

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090716\
 Data File : BF090004.D
 Acq On : 7 Sep 2016 14:52
 Operator : UM/SJ
 Sample : H4676-05MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEMP-AB(0-2)-8MSD

Quant Time: Sep 07 16:44:23 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 02 13:29:08 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	185722	20.00	ng	-0.02
21) Naphthalene-d8	7.91	136	772179	20.00	ng	-0.02
38) Acenaphthene-d10	9.64	164	385807	20.00	ng	-0.02
63) Phenanthrene-d10	11.12	188	759580	20.00	ng	-0.02
75) Chrysene-d12	13.74	240	524227	20.00	ng	-0.02
86) Perylene-d12	15.07	264	450083	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.20	112	1337505	115.27	ng	-0.01
7) Phenol-d6	6.27	99	1705072	120.94	ng	-0.01
23) Nitrobenzene-d5	7.19	82	987959	74.20	ng	-0.02
41) 2,4,6-Tribromophenol	10.43	330	440252	115.66	ng	-0.02
44) 2-Fluorobiphenyl	8.98	172	1751563	74.53	ng	-0.02
78) Terphenyl-d14	12.70	244	1896316	89.36	ng	-0.03

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.12	88	202696	36.87	ng	# 96
3) Pyridine	2.74	79	577449	39.37	ng	97
4) n-Nitrosodimethylamine	2.71	42	294434	40.71	ng	97
6) Aniline	6.28	93	567125	29.48	ng	# 42
8) 2-Chlorophenol	6.40	128	526997	41.87	ng	88
9) Benzaldehyde	6.16	77	77273	8.50	ng	96
10) Phenol	6.28	94	743607	45.36	ng	84
11) bis(2-Chloroethyl)ether	6.36	93	562380	45.33	ng	90
12) 1,3-Dichlorobenzene	6.56	146	609272	43.34	ng	99
13) 1,4-Dichlorobenzene	6.64	146	617900	42.96	ng	92
14) 1,2-Dichlorobenzene	6.79	146	573214	44.45	ng	99
15) Benzyl Alcohol	6.78	79	447714	50.69	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.91	45	971232	41.06	ng	91
17) 2-Methylphenol	6.89	107	445218	44.29	ng	99
18) Hexachloroethane	7.13	117	210742	42.77	ng	91
19) n-Nitroso-di-n-propylamine	7.05	70	398858	43.41	ng	96
20) 3+4-Methylphenols	7.05	107	580407	47.63	ng	# 77
22) Acetophenone	7.04	105	683132	39.44	ng	# 91
24) Nitrobenzene	7.21	77	569634	40.24	ng	# 80
25) Isophorone	7.45	82	1090781	40.29	ng	100
26) 2-Nitrophenol	7.52	139	305273	45.12	ng	98
27) 2,4-Dimethylphenol	7.58	122	521430	41.66	ng	100
28) bis(2-Chloroethoxy)methane	7.67	93	656222	40.19	ng	98
29) 2,4-Dichlorophenol	7.77	162	513006	45.72	ng	95
30) 1,2,4-Trichlorobenzene	7.85	180	529968	43.20	ng	98
31) Naphthalene	7.93	128	1614488	41.97	ng	99
32) Benzoic acid	7.70	122	197890	23.47	ng	91
33) 4-Chloroaniline	7.99	127	367433	23.67	ng	94
34) Hexachlorobutadiene	8.04	225	289764	40.31	ng	98
35) Caprolactam	8.35	113	89488	25.27	ng	93
36) 4-Chloro-3-methylphenol	8.48	107	528584	44.48	ng	88
37) 2-Methylnaphthalene	8.62	142	1113049	43.79	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.79	216	438460	38.79	ng	99
40) Hexachlorocyclopentadiene	8.78	237	523474	90.33	ng	94

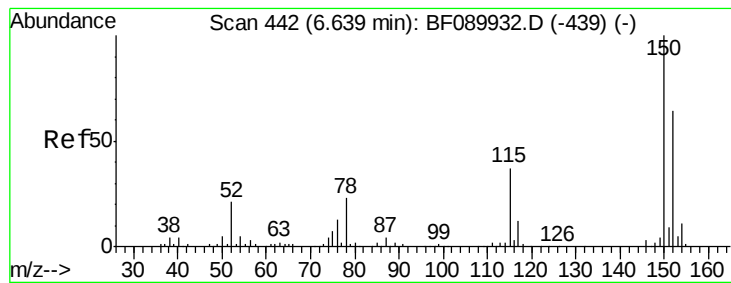
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.90	196	381293	48.68	nq	98
43) 2,4,5-Trichlorophenol	8.95	196	371974	49.39	nq	# 89
45) 1,1'-Biphenyl	9.08	154	1233512	39.71	nq	97
46) 2-Chloronaphthalene	9.10	162	971192	44.20	nq	98
47) 2-Nitroaniline	9.20	65	320744	44.65	nq	97
48) Acenaphthylene	9.51	152	1489422	40.99	nq	99
49) Dimethylphthalate	9.39	163	1487831	53.36	nq	99
50) 2,6-Dinitrotoluene	9.45	165	310226	50.02	nq	87
51) Acenaphthene	9.68	154	1069080	46.44	nq	99
52) 3-Nitroaniline	9.61	138	233610	33.03	nq	97
53) 2,4-Dinitrophenol	9.72	184	234931	62.00	nq	# 57
54) Dibenzofuran	9.85	168	1380907	44.76	nq	98
55) 4-Nitrophenol	9.79	139	422175	79.13	nq	# 66
56) 2,4-Dinitrotoluene	9.85	165	385821	49.06	nq	94
57) Fluorene	10.19	166	950060	42.15	nq	100
58) 2,3,4,6-Tetrachlorophenol	9.98	232	312861	48.52	nq	99
59) Diethylphthalate	10.09	149	1238856	47.22	nq	99
60) 4-Chlorophenyl-phenylether	10.19	204	465775	43.91	nq	# 87
61) 4-Nitroaniline	10.23	138	288673	41.54	nq	92
62) Azobenzene	10.35	77	1293537	49.37	nq	91
64) 4,6-Dinitro-2-methylphenol	10.25	198	182236	37.47	nq	96
65) n-Nitrosodiphenylamine	10.32	169	1061127	46.47	nq	100
66) 4-Bromophenyl-phenylether	10.67	248	345224	45.15	nq	# 90
67) Hexachlorobenzene	10.74	284	385033	44.08	nq	# 73
68) Atrazine	10.84	200	311885	40.91	nq	99
69) Pentachlorophenol	10.94	266	399355	84.98	nq	99
70) Phenanthrene	11.14	178	1558312	41.20	nq	100
71) Anthracene	11.20	178	1821755	47.48	nq	99
72) Carbazole	11.36	167	1691860	47.03	nq	99
73) Di-n-butylphthalate	11.70	149	1950119	46.51	nq	99
74) Fluoranthene	12.32	202	1640109	41.37	nq	96
76) Benzidine	12.46	184	686854	34.59	nq	96
77) Pyrene	12.55	202	1826439	49.41	nq	99
79) Butylbenzylphthalate	13.18	149	744733	49.96	nq	98
80) Benzo(a)anthracene	13.73	228	1458645	45.43	nq	99
81) 3,3'-Dichlorobenzidine	13.70	252	331393	28.59	nq	# 94
82) Chrysene	13.76	228	1096672	36.56	nq	100
83) Bis(2-ethylhexyl)phthalate	13.75	149	947074	45.94	nq	99
84) Di-n-octyl phthalate	14.35	149	1513791	45.49	nq	99
85) Indeno(1,2,3-cd)pyrene	16.30	276	1292405	58.29	nq	99
87) Benzo(b)fluoranthene	14.74	252	2311555	81.98	nq	# 98
88) Benzo(k)fluoranthene	14.74	252	2311555	96.61	nq	99
89) Benzo(a)pyrene	15.03	252	1127195	46.66	nq	99
90) Dibenzo(a,h)anthracene	16.32	278	1079072	60.96	nq	97
91) Benzo(g,h,i)perylene	16.66	276	1135234	63.72	nq	# 95

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.02 min

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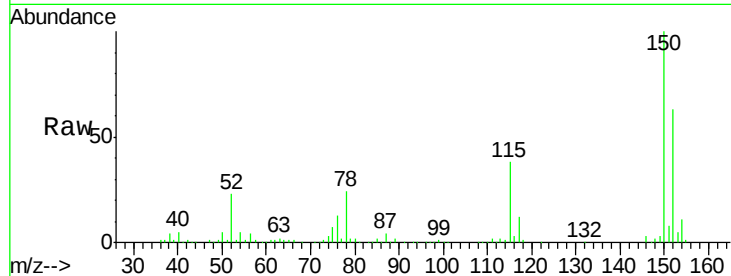
Tot Ion:152 Resp: 185722

Ion Ratio Lower Upper

152 100

150 157.7 127.4 191.2

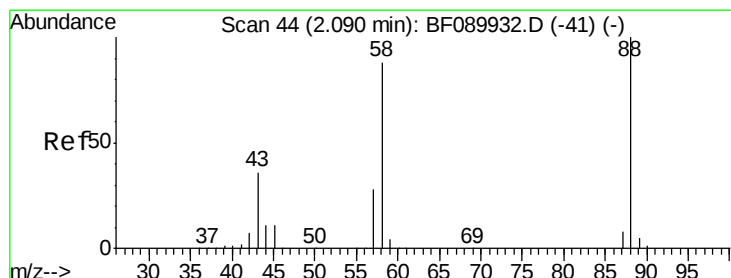
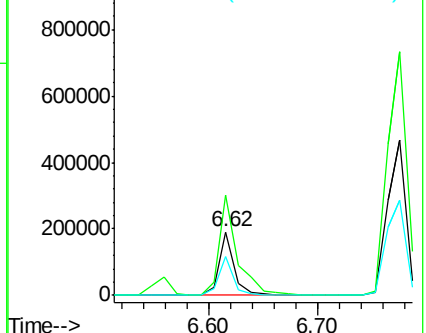
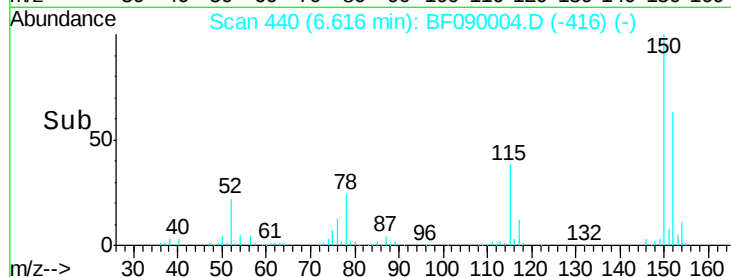
115 60.3 46.3 69.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 36.87 ng

RT: 2.12 min Scan# 47

Delta R.T. 0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

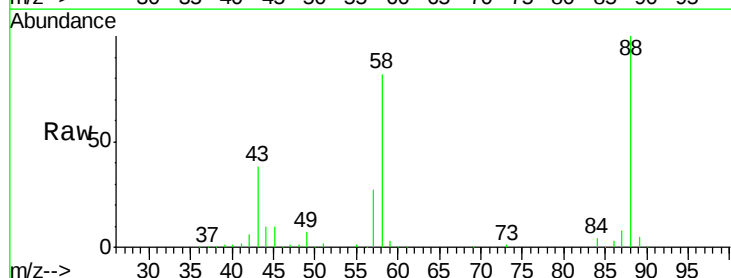
Tgt Ion: 88 Resp: 202696

Ion Ratio Lower Upper

88 100

58 86.0 68.8 103.2

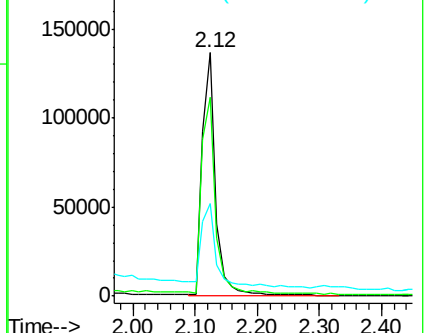
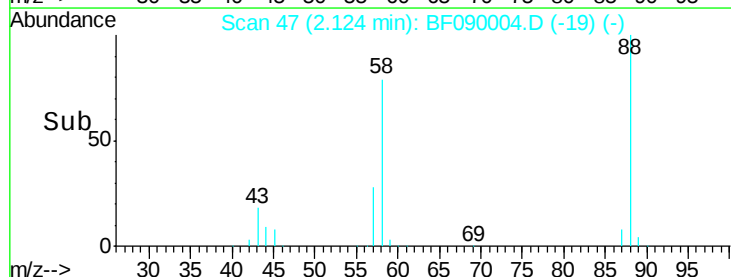
43 41.9 27.0 40.6#

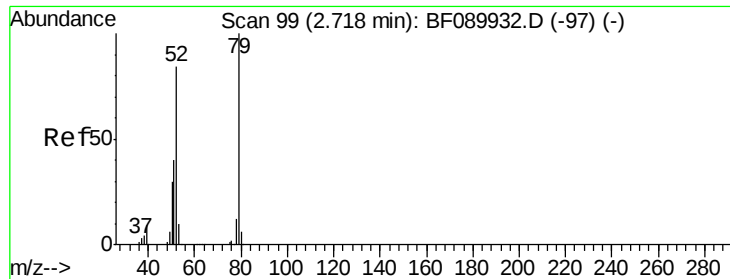


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 39.37 ng

RT: 2.74 min Scan# 101

Delta R.T. 0.01 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

Instrument :

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ClientSampleId :

TEMP-AB(0-2)-8MSD

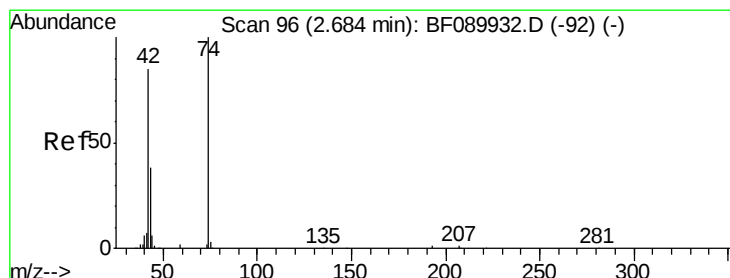
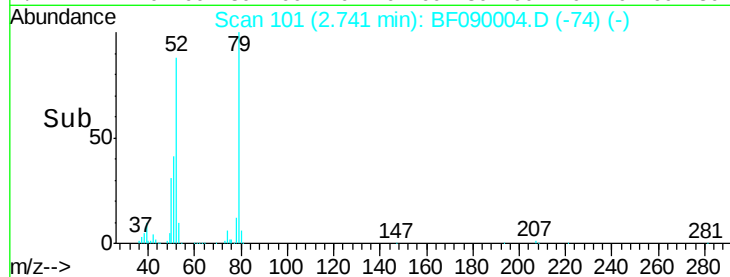
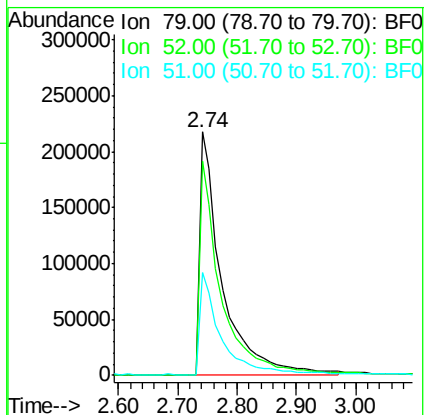
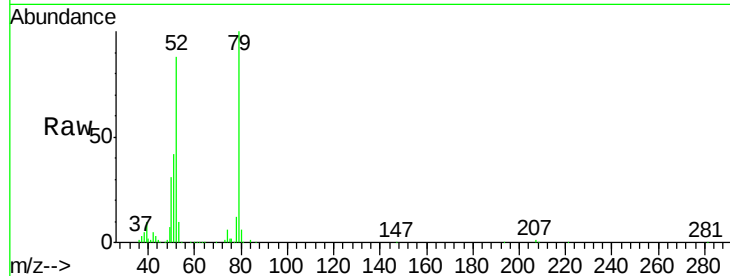
Tot Ion: 79 Resp: 577449

Ion Ratio Lower Upper

79 100

52 88.2 67.8 101.6

51 42.0 32.9 49.3



#4

n-Nitrosodimethylamine

Concen: 40.71 ng

RT: 2.71 min Scan# 98

Delta R.T. 0.01 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

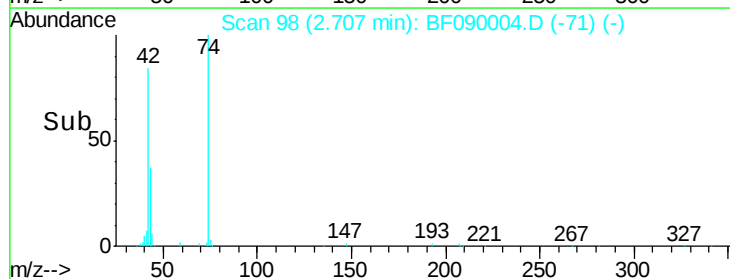
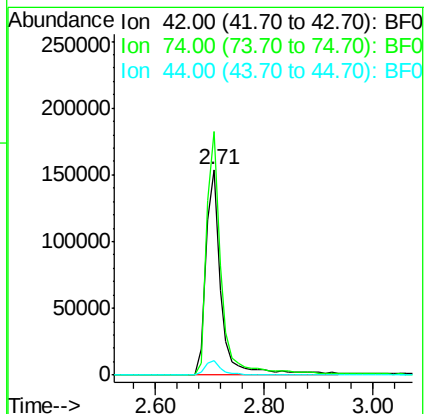
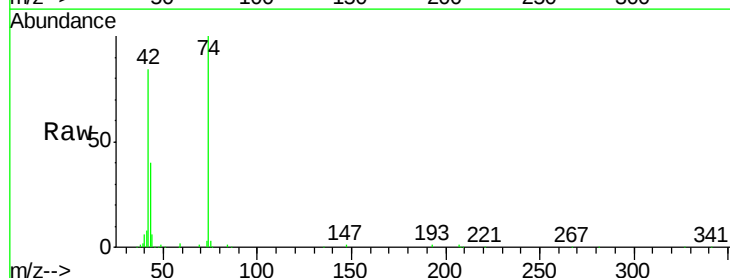
Tgt Ion: 42 Resp: 294434

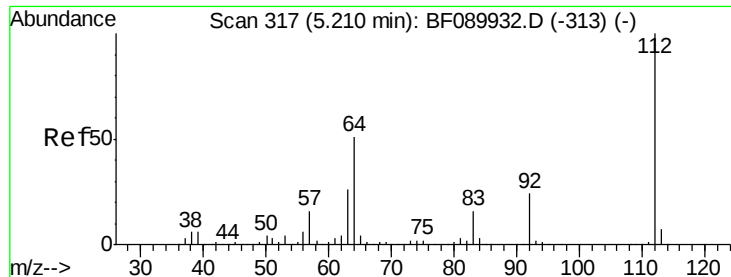
Ion Ratio Lower Upper

42 100

74 118.5 92.0 138.0

44 7.1 5.8 8.8





#5

2-Fluorophenol

Concen: 115.27 ng

RT: 5.20 min Scan# 316

Delta R.T. -0.01 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

Instrument :

BNA_F

ClientSampleId :

TEMP-AB(0-2)-8MSD

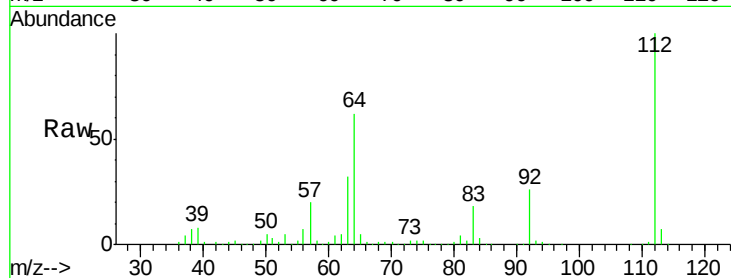
Tot Ion:112 Resp: 1337505

Ion Ratio Lower Upper

112 100

64 61.7 41.1 61.7#

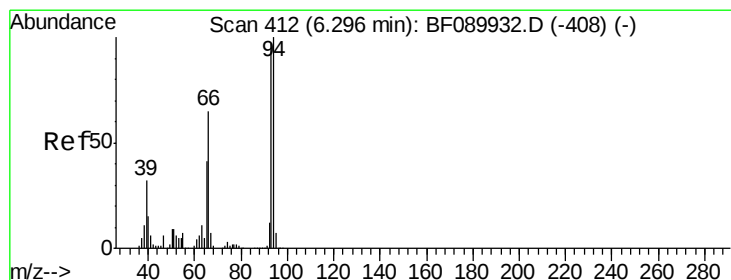
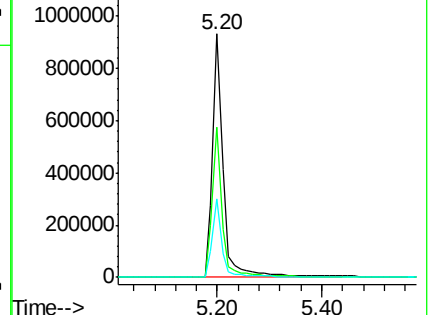
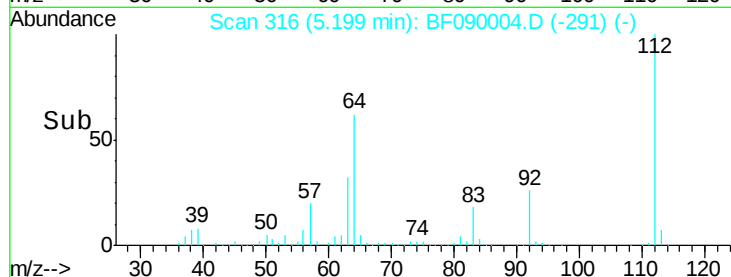
63 32.1 21.2 31.8#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 29.48 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

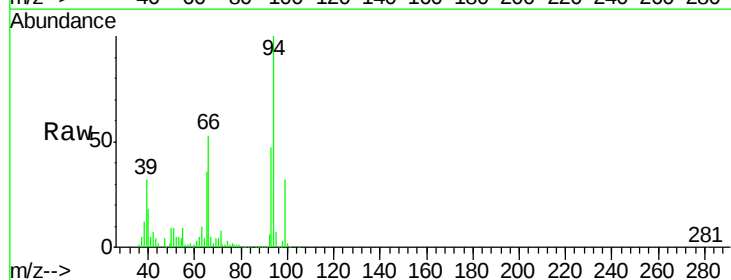
Tgt Ion: 93 Resp: 567125

Ion Ratio Lower Upper

93 100

66 113.1 52.9 79.3#

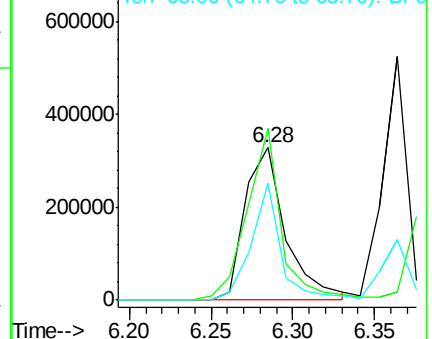
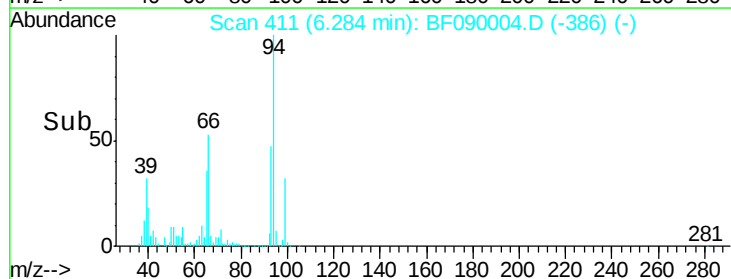
65 77.1 33.0 49.6#

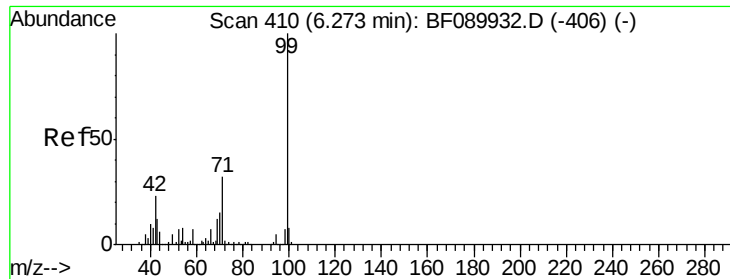


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 120.94 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

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TEMP-AB(0-2)-8MSD

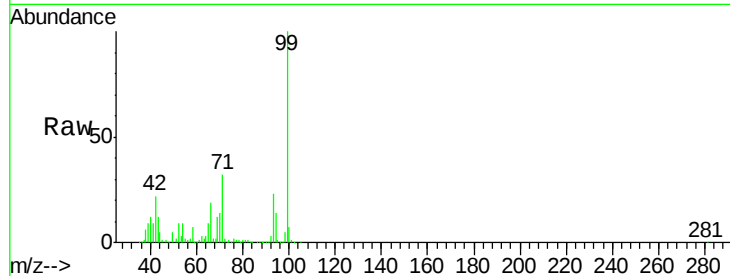
Tot Ion: 99 Resp: 1705072

Ion Ratio Lower Upper

99 100

42 22.2 18.6 27.8

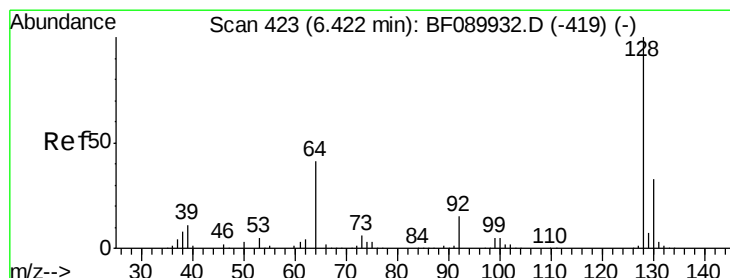
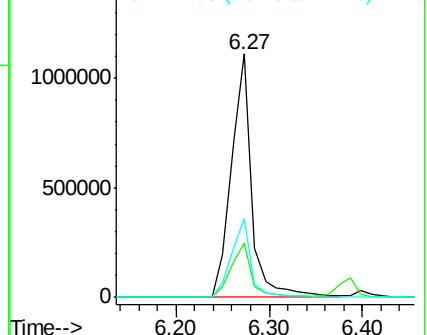
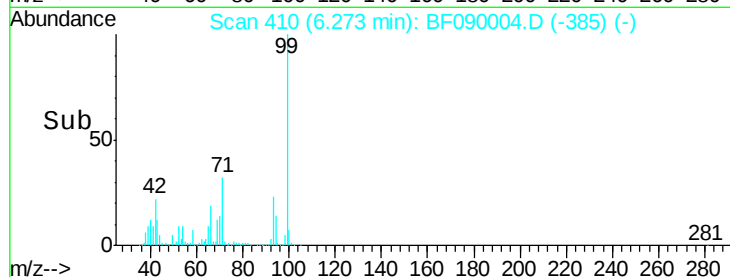
71 32.2 25.8 38.6



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 41.87 ng

RT: 6.40 min Scan# 421

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

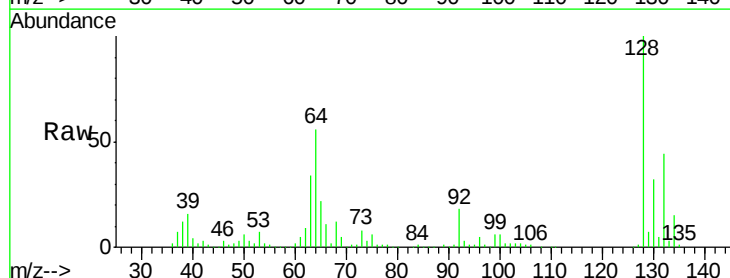
Tgt Ion: 128 Resp: 526997

Ion Ratio Lower Upper

128 100

130 31.6 12.8 52.8

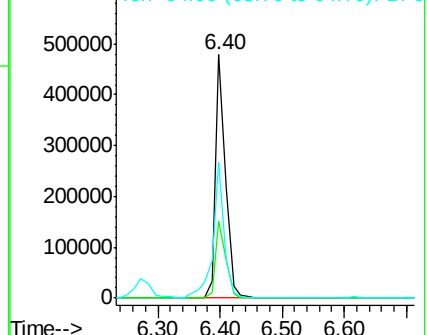
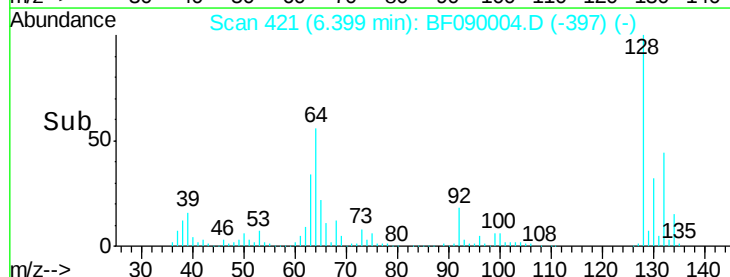
64 55.9 23.2 63.2

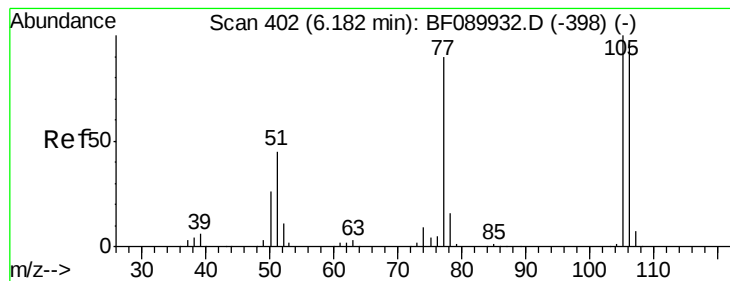


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 8.50 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF090004.D

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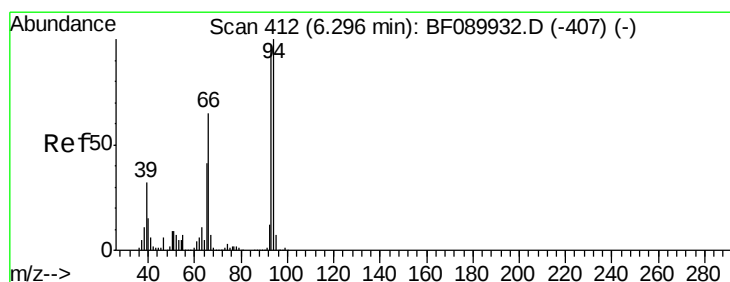
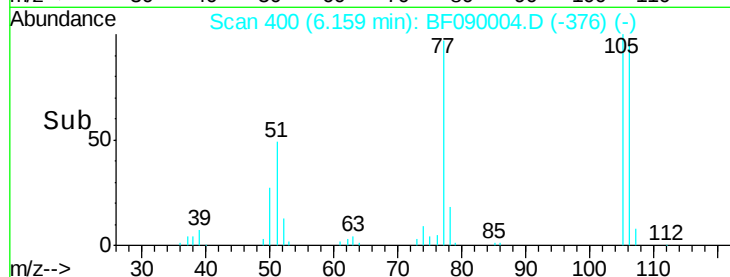
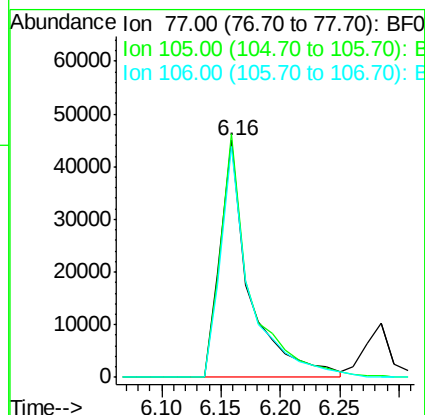
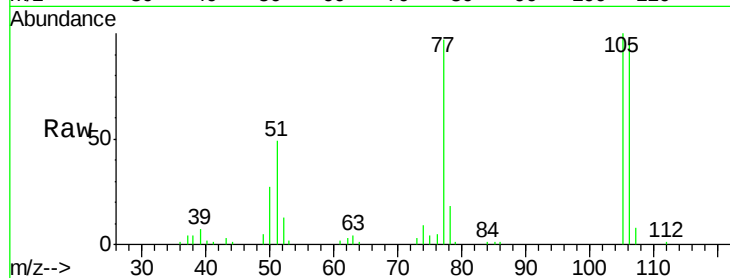
Tot Ion: 77 Resp: 77273

Ion Ratio Lower Upper

77 100

105 102.8 85.4 125.4

106 97.3 83.4 123.4



#10

Phenol

Concen: 45.36 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

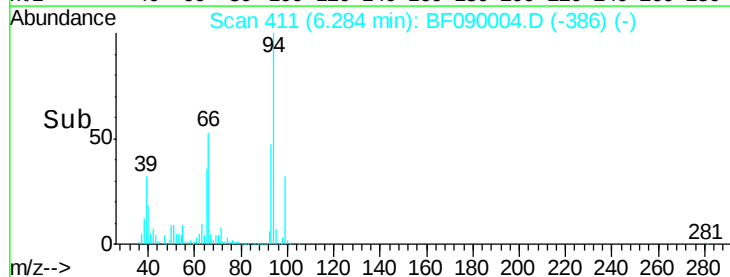
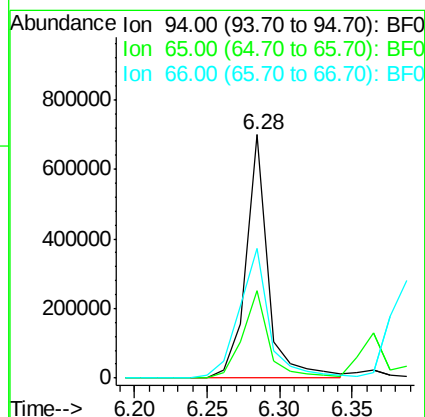
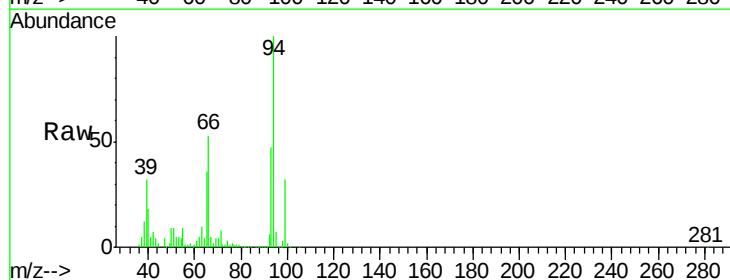
Tgt Ion: 94 Resp: 743607

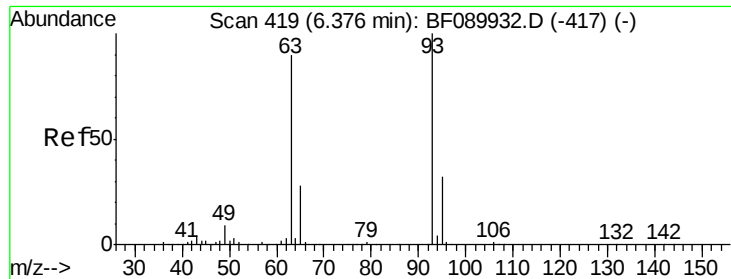
Ion Ratio Lower Upper

94 100

65 36.1 23.2 63.2

66 53.0 49.2 89.2





#11

bis(2-Chloroethyl)ether

Concen: 45.33 ng

RT: 6.36 min Scan# 418

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

Instrument :

BNA_F

ClientSampleId :

TEMP-AB(0-2)-8MSD

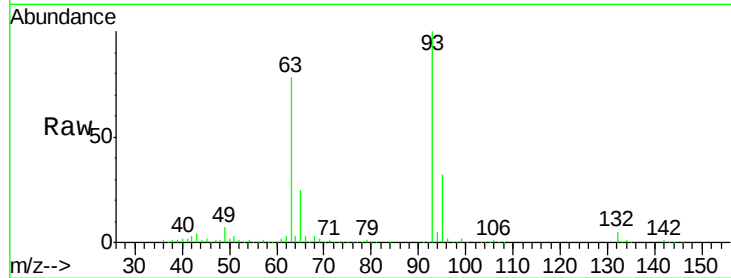
Tot Ion: 93 Resp: 562380

Ion Ratio Lower Upper

93 100

63 78.2 71.1 111.1

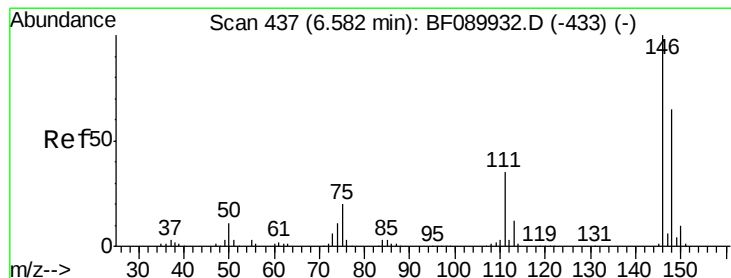
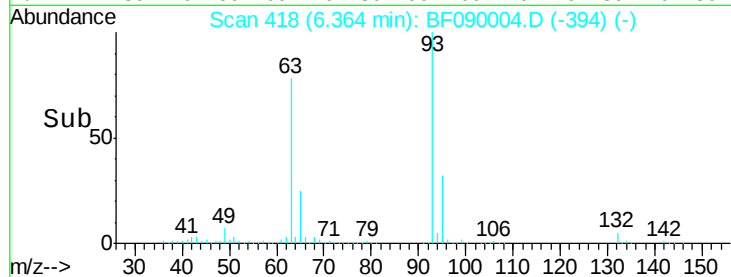
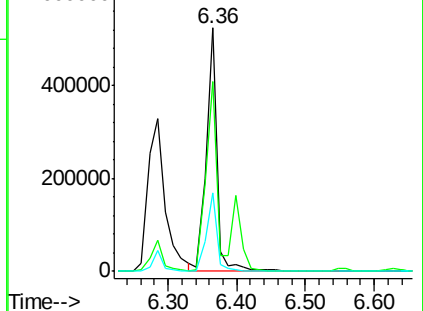
95 32.2 12.4 52.4



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 43.34 ng

RT: 6.56 min Scan# 435

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

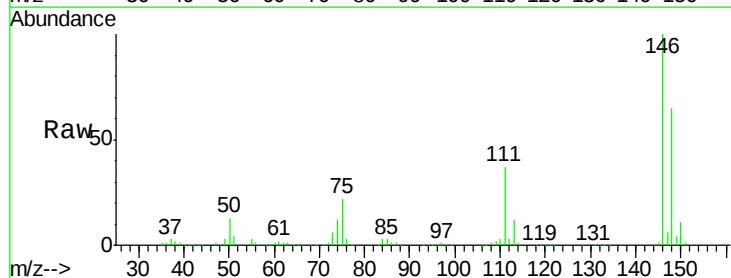
Tgt Ion: 146 Resp: 609272

Ion Ratio Lower Upper

146 100

148 65.1 52.5 78.7

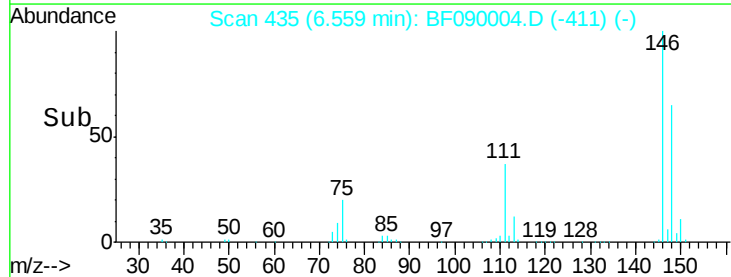
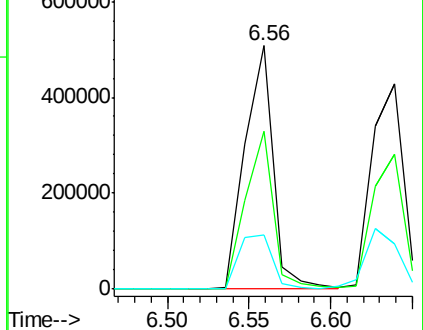
75 22.0 16.6 24.8

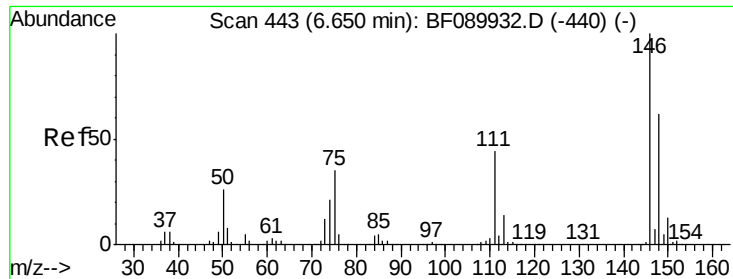


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 42.96 ng

RT: 6.64 min Scan# 442

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

Instrument :

BNA_F

ClientSampleId :

TEMP-AB(0-2)-8MSD

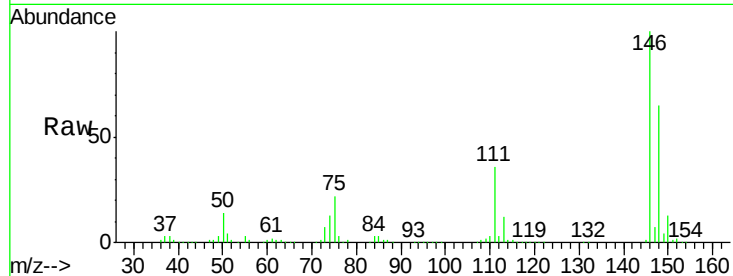
Tot Ion:146 Resp: 617900

Ion Ratio Lower Upper

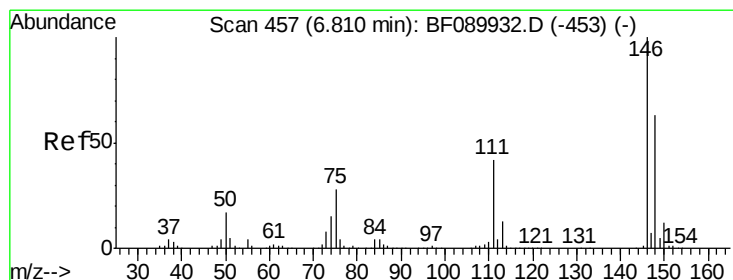
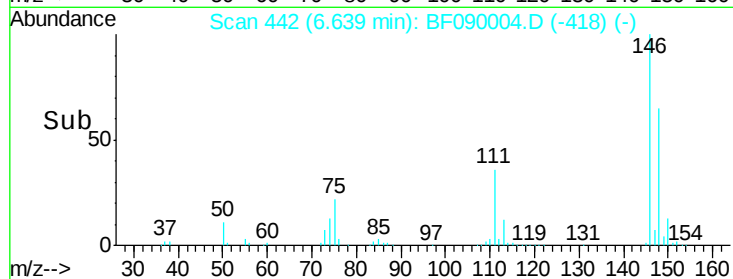
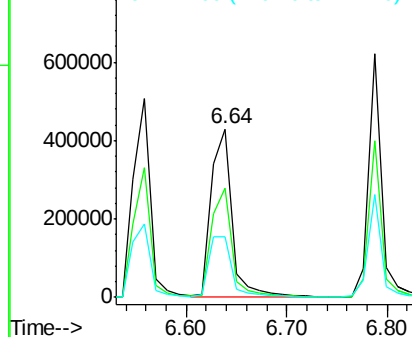
146 100

148 65.3 50.1 75.1

111 36.1 35.8 53.6



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 44.45 ng

RT: 6.79 min Scan# 455

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

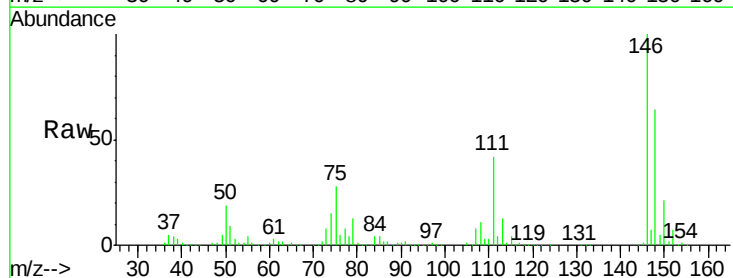
Tgt Ion:146 Resp: 573214

Ion Ratio Lower Upper

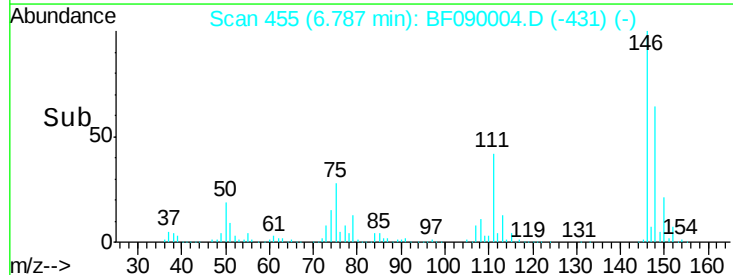
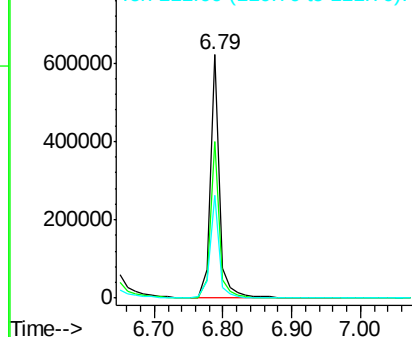
146 100

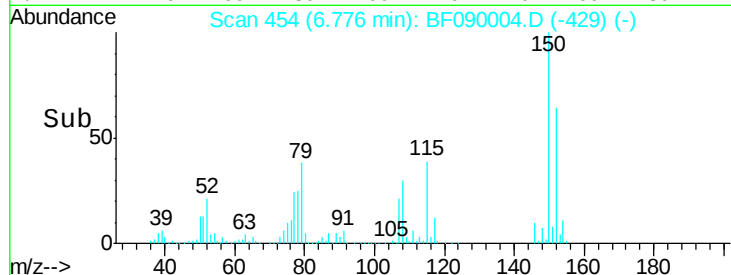
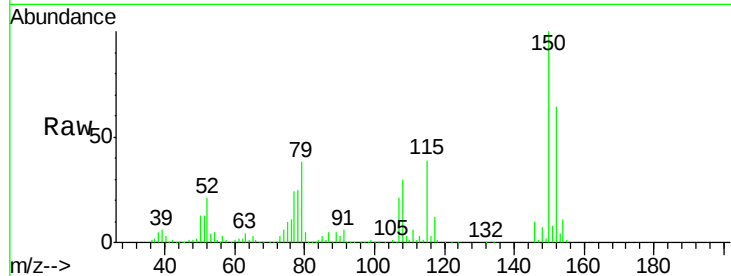
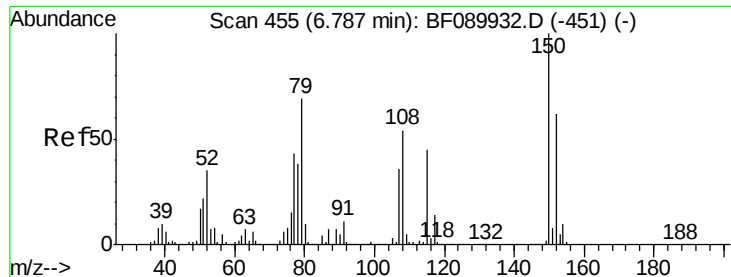
148 64.4 51.4 77.2

111 42.0 34.6 51.8



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 50.69 ng

RT: 6.78 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

Instrument :

BNA_F

ClientSampleId :

TEMP-AB(0-2)-8MSD

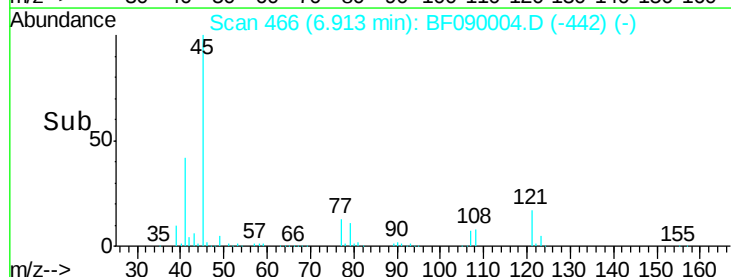
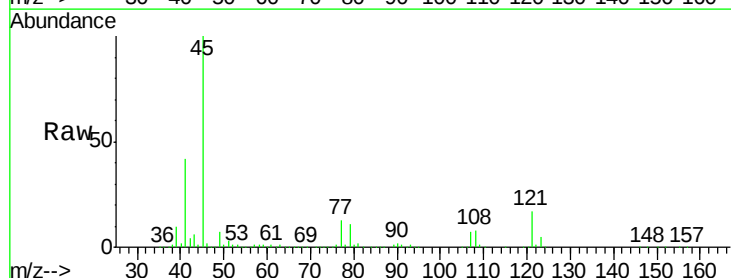
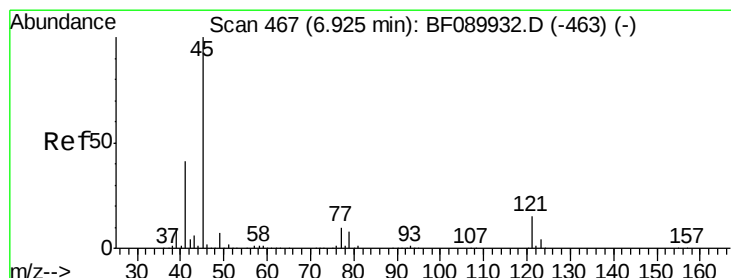
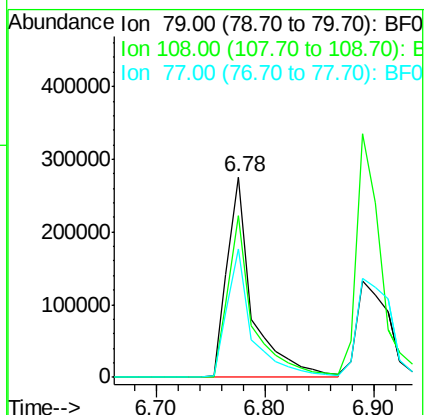
Tot Ion: 79 Resp: 447714

Ion Ratio Lower Upper

79 100

108 80.6 62.1 93.1

77 63.9 50.1 75.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.06 ng

RT: 6.91 min Scan# 466

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

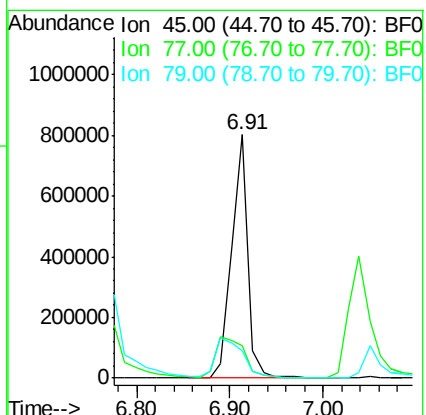
Tgt Ion: 45 Resp: 971232

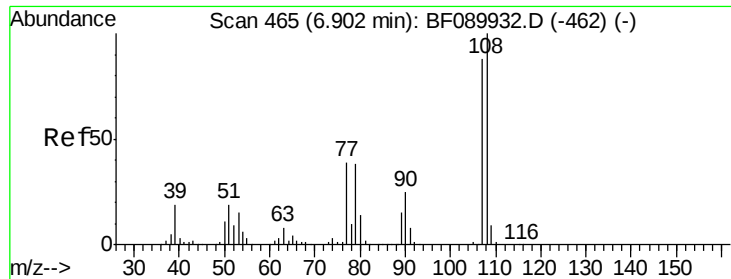
Ion Ratio Lower Upper

45 100

77 13.5 0.0 30.3

79 11.3 0.0 27.5

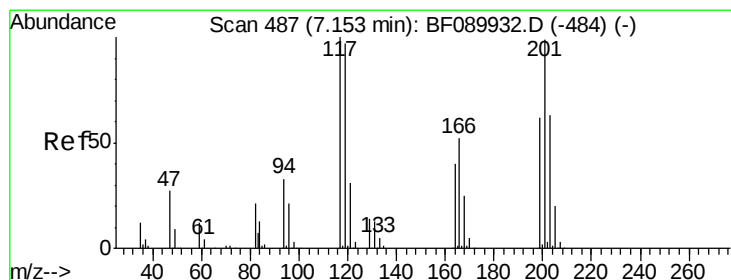
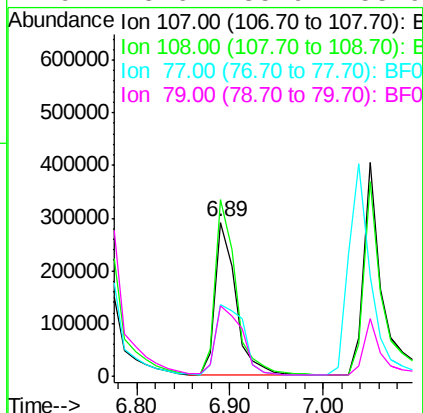
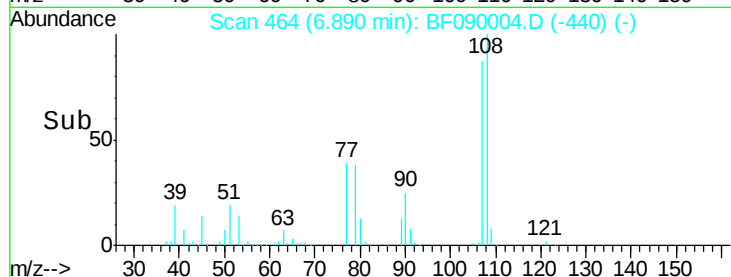
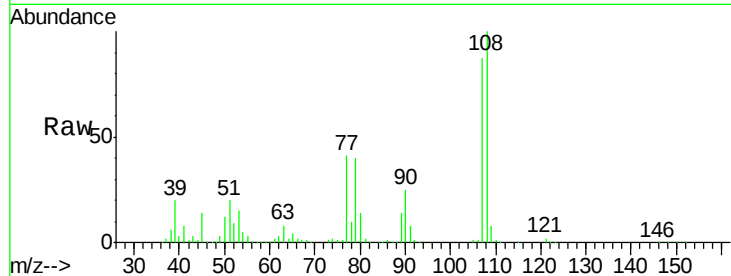




#17
2-Methylphenol
Concen: 44.29 ng
RT: 6.89 min Scan# 464
Delta R.T. -0.02 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

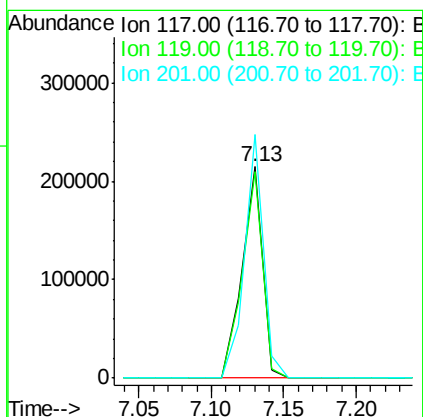
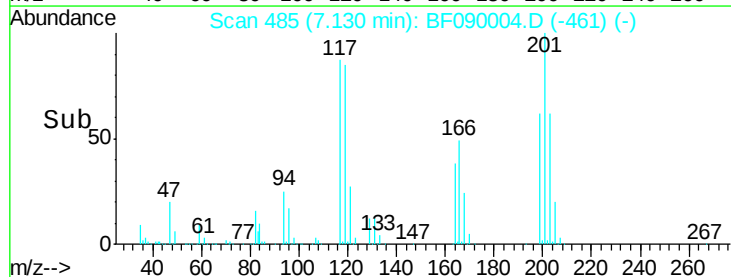
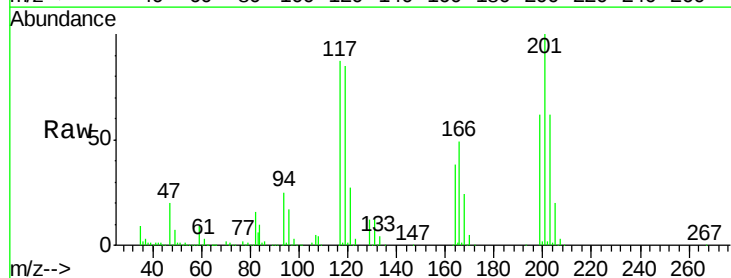
Instrument :
BNA_F
ClientSampleId :
TEMP-AB(0-2)-8MSD

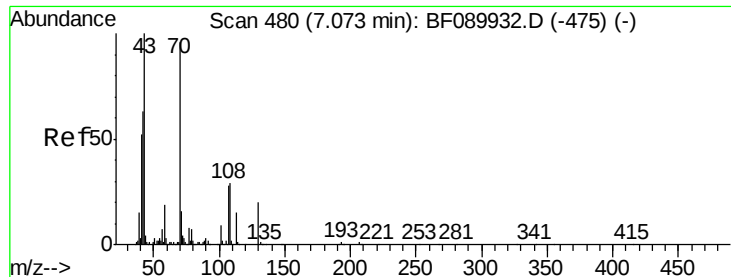
Tot Ion:107 Resp: 445218
Ion Ratio Lower Upper
107 100
108 114.6 91.8 137.6
77 46.5 36.0 54.0
79 45.6 35.9 53.9



#18
Hexachloroethane
Concen: 42.77 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.02 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

Tgt Ion:117 Resp: 210742
Ion Ratio Lower Upper
117 100
119 97.4 76.2 114.2
201 115.1 80.2 120.2

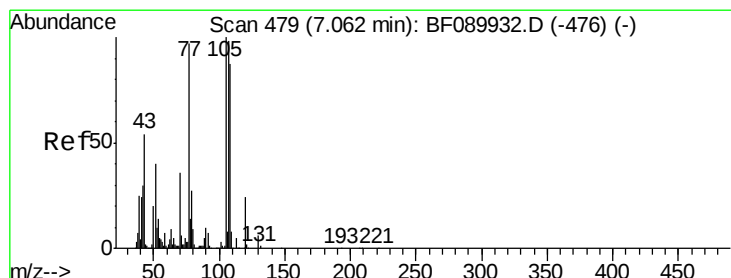
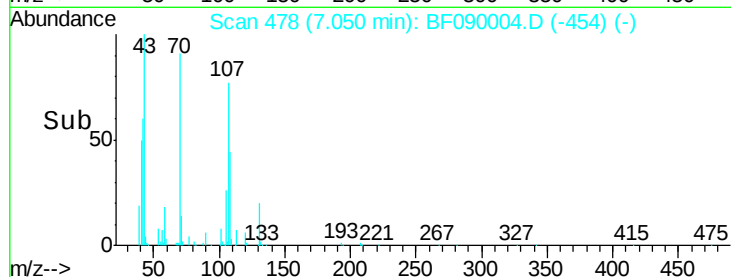
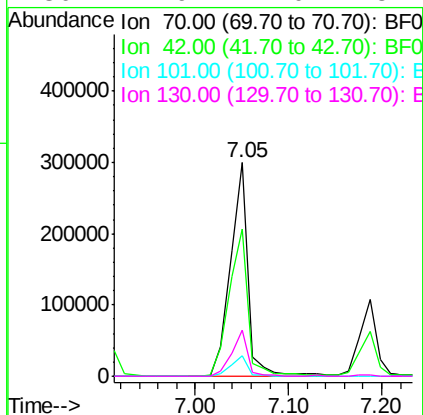
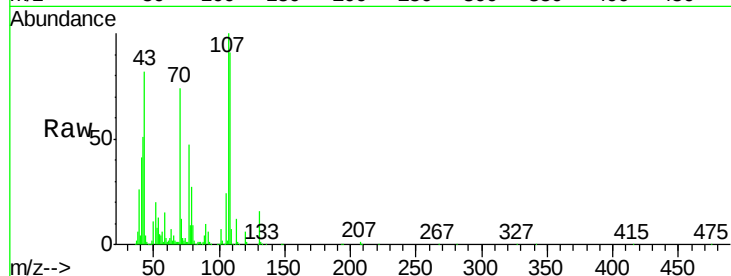




#19
n-Nitroso-di-n-propylamine
Concen: 43.41 ng
RT: 7.05 min Scan# 478
Delta R.T. -0.02 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

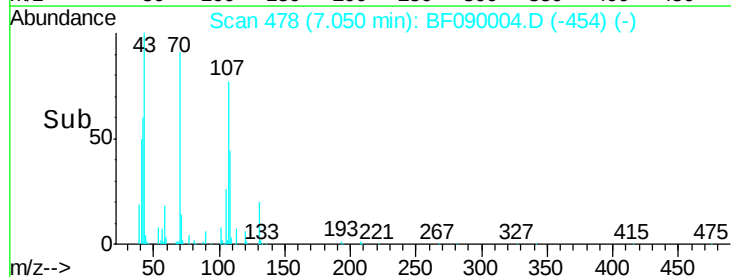
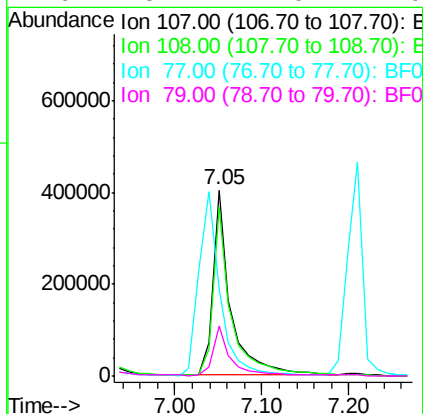
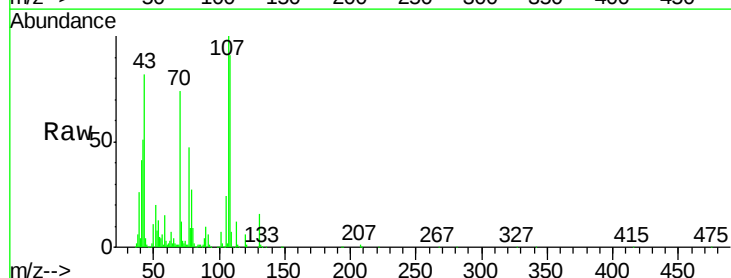
Instrument :
BNA_F
ClientSampleId :
TEMP-AB(0-2)-8MSD

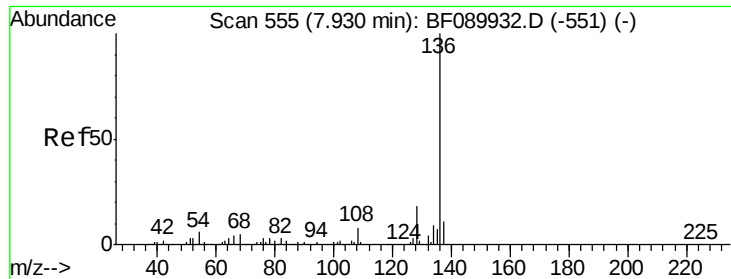
Tot Ion: 70 Resp: 398858
Ion Ratio Lower Upper
70 100
42 69.2 52.1 78.1
101 9.4 7.4 11.2
130 21.9 17.0 25.4



#20
3+4-Methylphenols
Concen: 47.63 ng
RT: 7.05 min Scan# 478
Delta R.T. -0.02 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

Tgt Ion: 107 Resp: 580407
Ion Ratio Lower Upper
107 100
108 90.8 70.2 110.2
77 46.6 75.7 115.7#
79 26.7 7.0 47.0

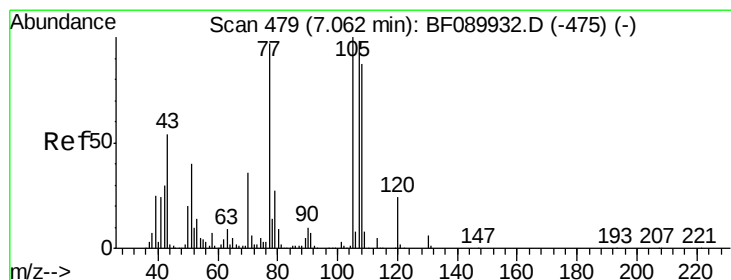
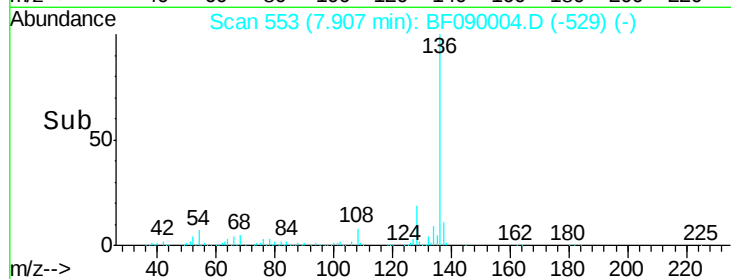
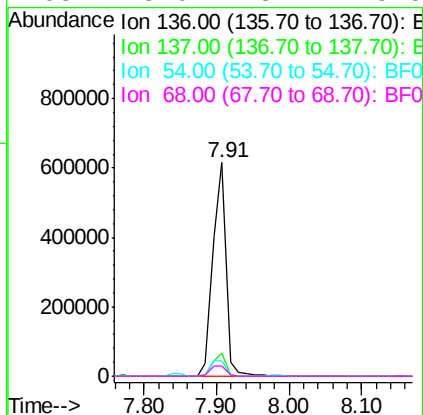
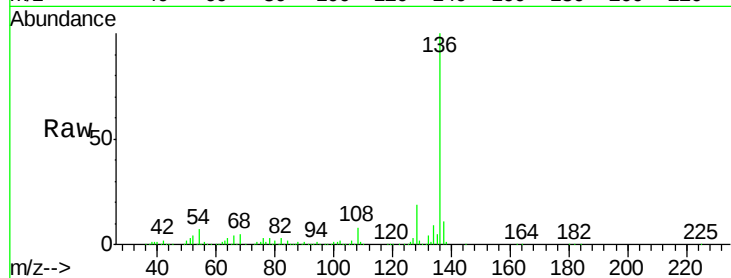




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 553
Delta R.T. -0.02 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

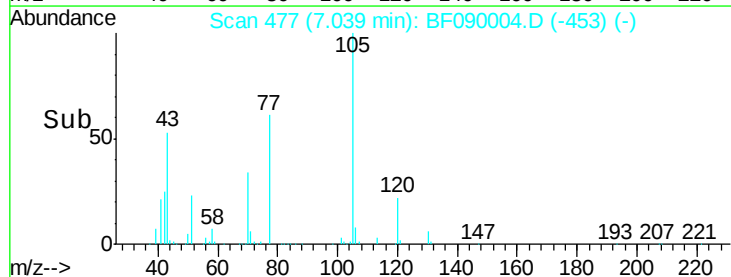
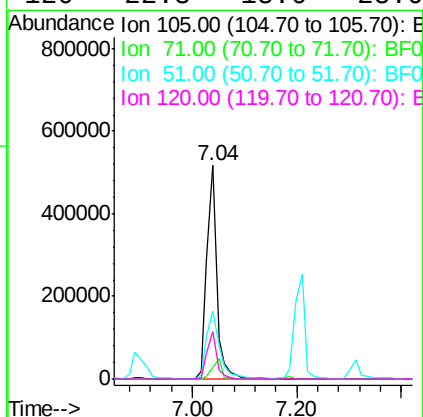
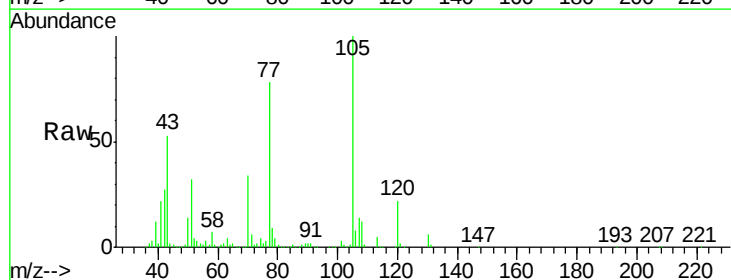
Instrument :
BNA_F
ClientSampleId :
TEMP-AB(0-2)-8MSD

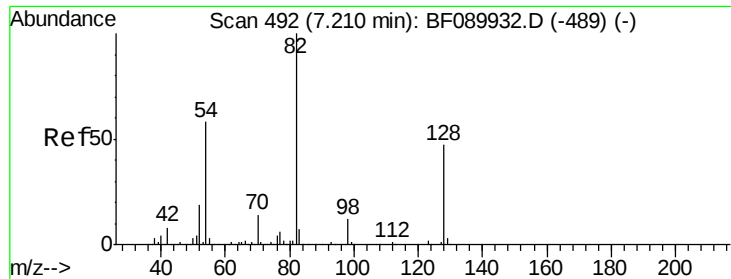
Tot Ion:136	Resp:	772179
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.3 12.5
54	7.1	4.8 7.2
68	5.0	3.7 5.5



#22
Acetophenone
Concen: 39.44 ng
RT: 7.04 min Scan# 477
Delta R.T. -0.02 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

Tgt Ion:105	Resp:	683132
Ion Ratio	Lower	Upper
105	100	
71	5.7	5.3 7.9
51	32.1	32.6 48.8#
120	22.3	18.6 28.0

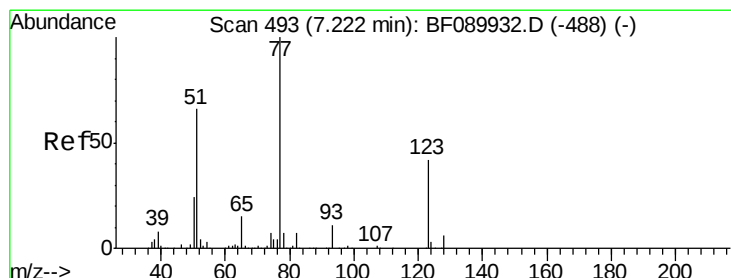
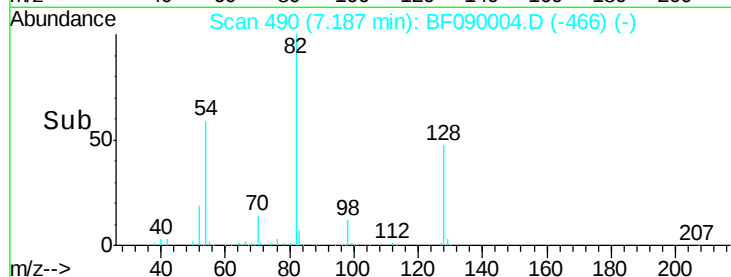
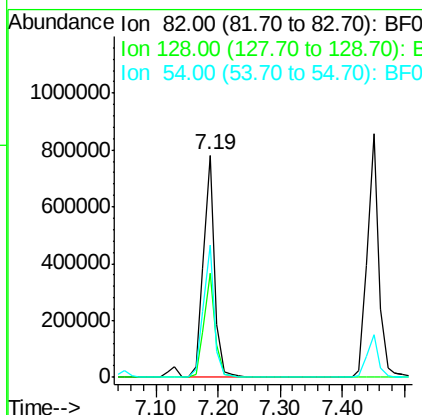
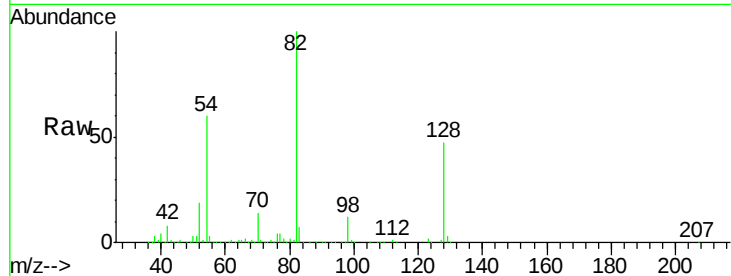




#23
Nitrobenzene-d5
Concen: 74.20 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.02 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

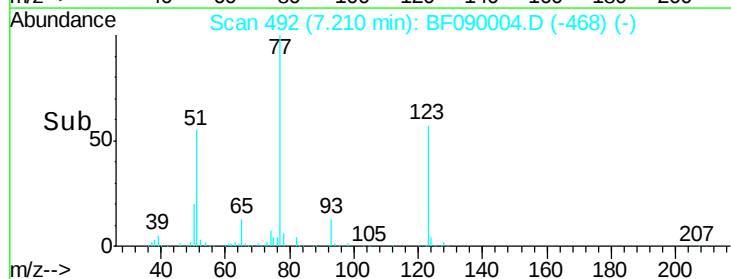
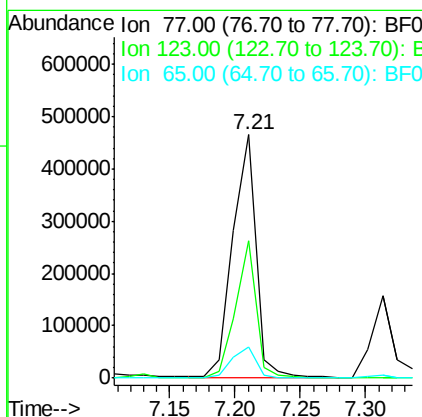
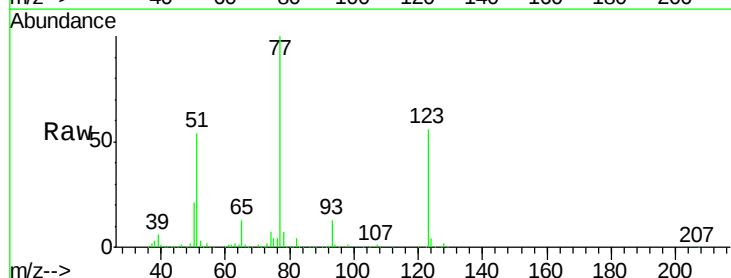
Instrument :
BNA_F
ClientSampleId :
TEMP-AB(0-2)-8MSD

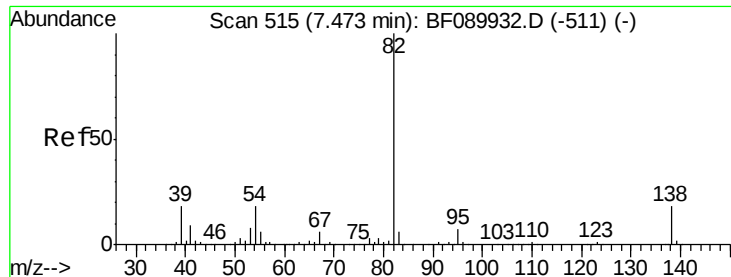
Tot Ion	82	Resp	987959
Ion Ratio	Lower	Upper	
82	100		
128	46.7	37.8	56.8
54	59.6	46.9	70.3



#24
Nitrobenzene
Concen: 40.24 ng
RT: 7.21 min Scan# 492
Delta R.T. -0.02 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

Tgt Ion	77	Resp	569634
Ion Ratio	Lower	Upper	
77	100		
123	56.5	32.0	48.0#
65	13.0	11.2	16.8





#25

Isophorone

Concen: 40.29 ng

RT: 7.45 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

Instrument :

BNA_F

ClientSampleId :

TEMP-AB(0-2)-8MSD

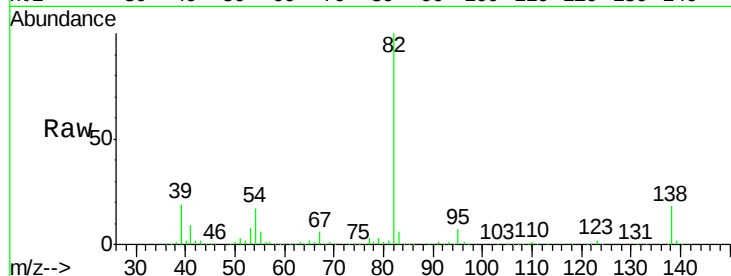
Tot Ion: 82 Resp: 1090781

Ion Ratio Lower Upper

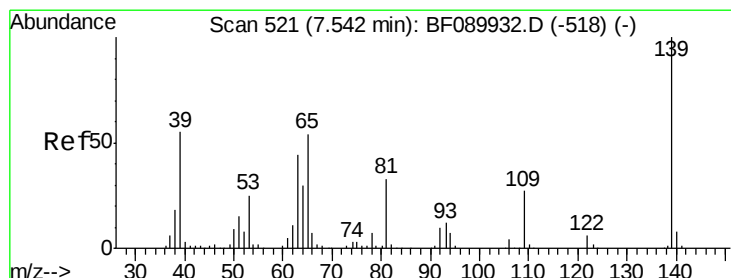
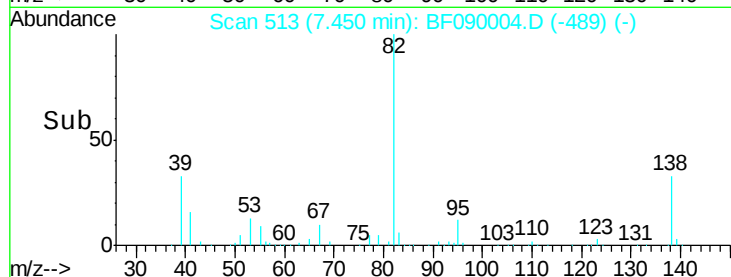
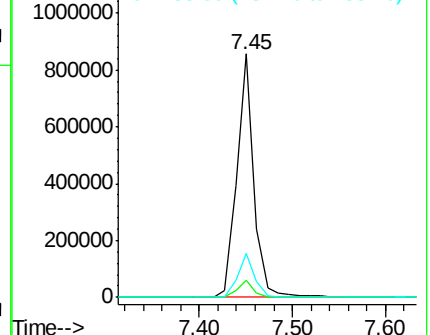
82 100

95 6.8 5.5 8.3

138 18.2 14.4 21.6



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 45.12 ng

RT: 7.52 min Scan# 519

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

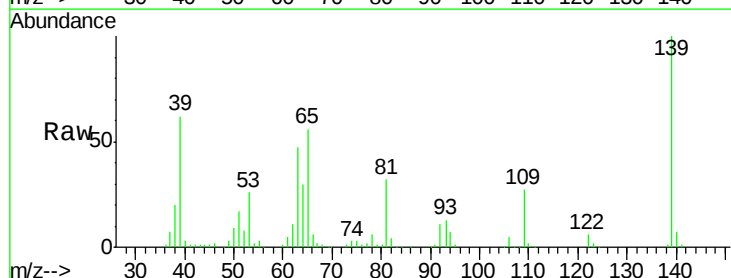
Tgt Ion: 139 Resp: 305273

Ion Ratio Lower Upper

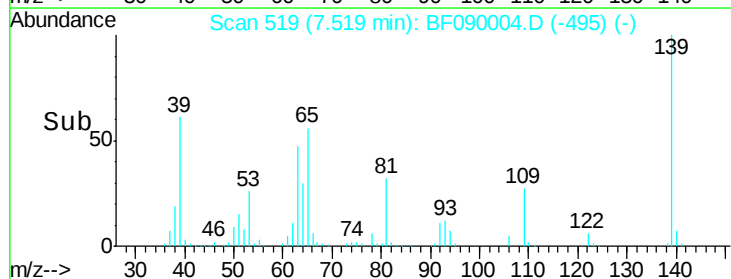
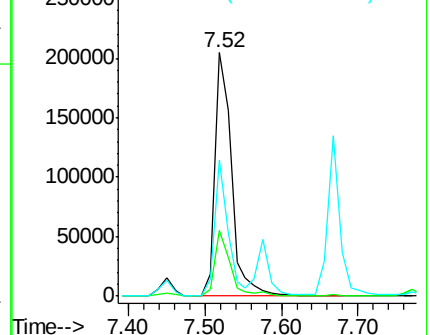
139 100

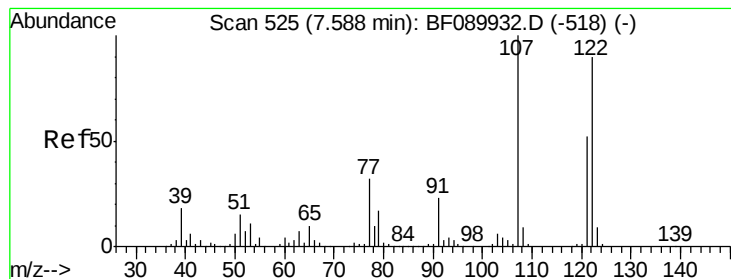
109 26.9 21.0 31.4

65 56.1 43.4 65.0



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 41.66 ng

RT: 7.58 min Scan# 524

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

Instrument :

BNA_F

ClientSampleId :

TEMP-AB(0-2)-8MSD

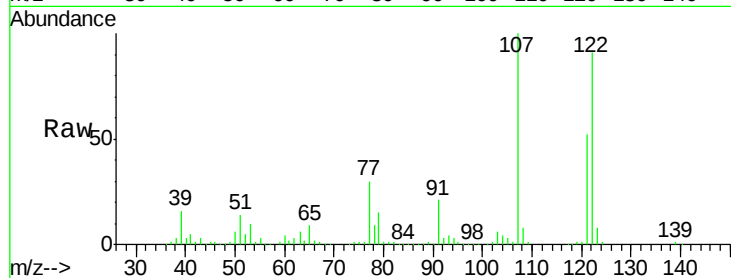
Tot Ion:122 Resp: 521430

Ion Ratio Lower Upper

122 100

107 109.9 88.5 132.7

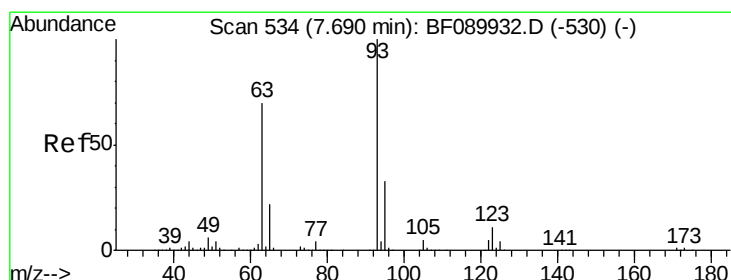
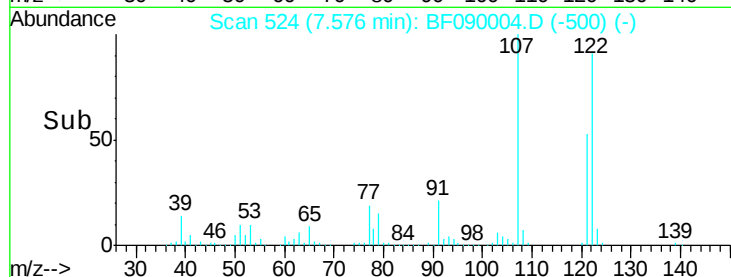
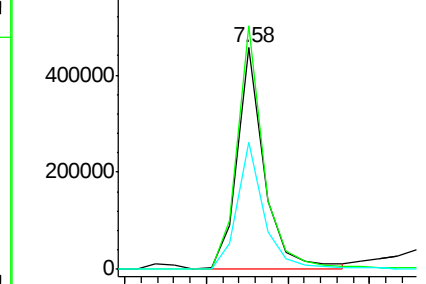
121 57.7 46.0 69.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 40.19 ng

RT: 7.67 min Scan# 532

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

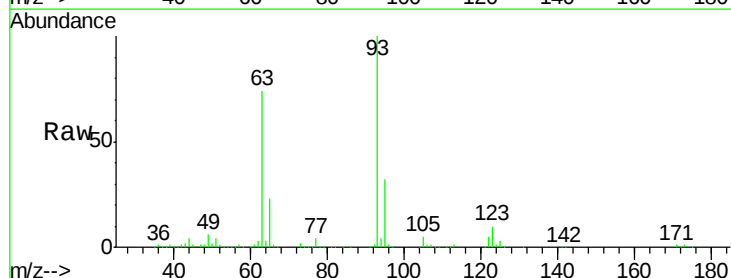
Tgt Ion: 93 Resp: 656222

Ion Ratio Lower Upper

93 100

95 32.2 26.6 40.0

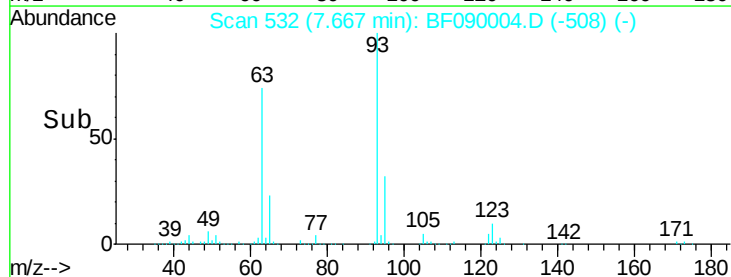
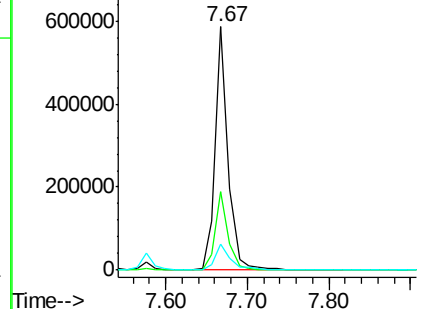
123 10.5 9.1 13.7

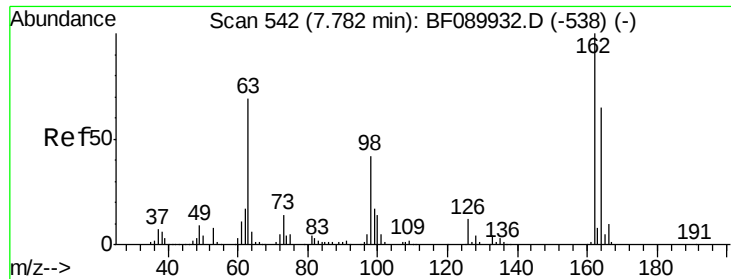


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 45.72 ng

RT: 7.77 min Scan# 541

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

Instrument :

BNA_F

ClientSampleId :

TEMP-AB(0-2)-8MSD

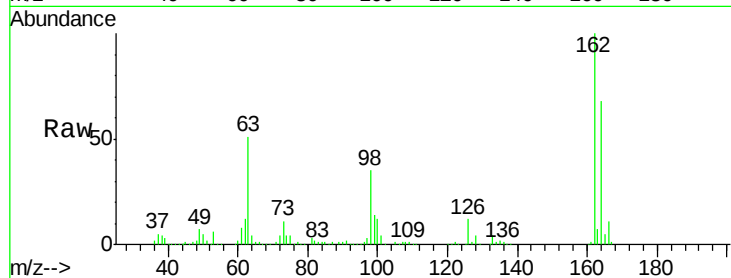
Tot Ion:162 Resp: 513006

Ion Ratio Lower Upper

162 100

164 68.0 46.6 86.6

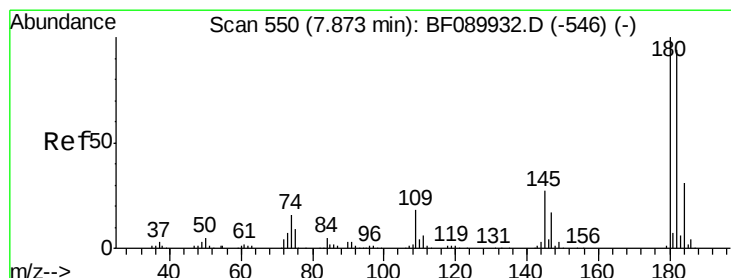
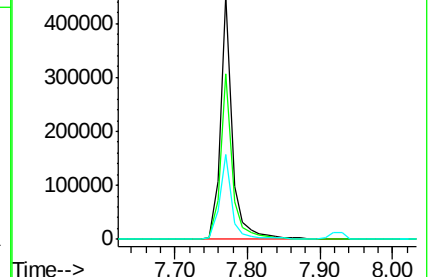
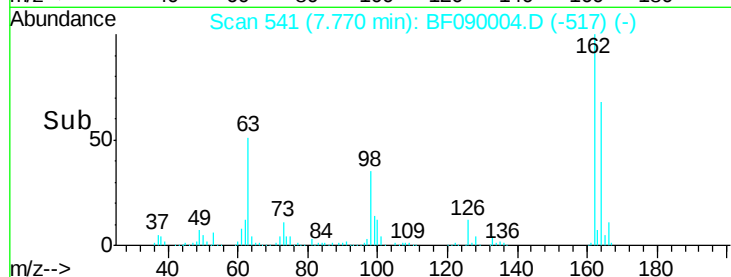
98 35.1 22.0 62.0



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 43.20 ng

RT: 7.85 min Scan# 548

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

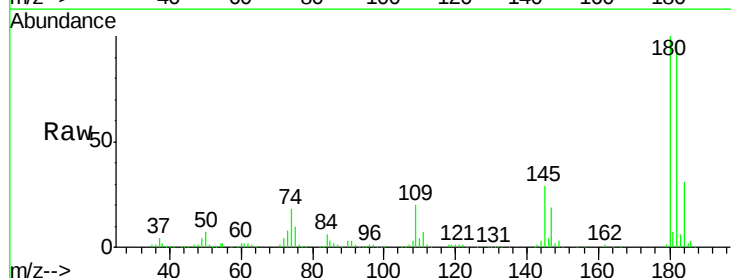
Tgt Ion:180 Resp: 529968

Ion Ratio Lower Upper

180 100

182 96.7 76.2 114.2

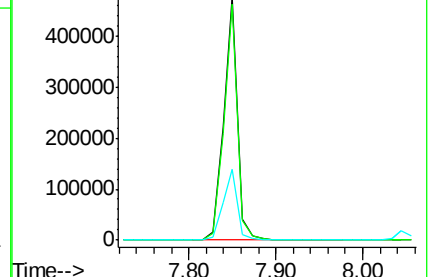
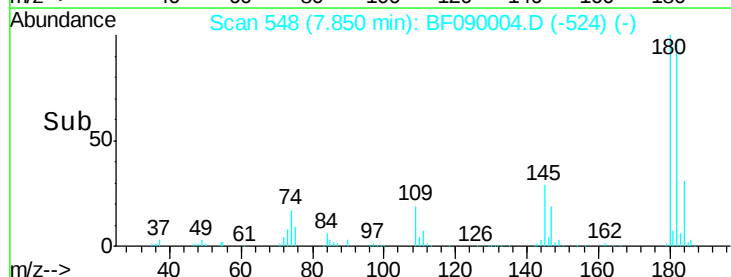
145 29.2 22.2 33.4

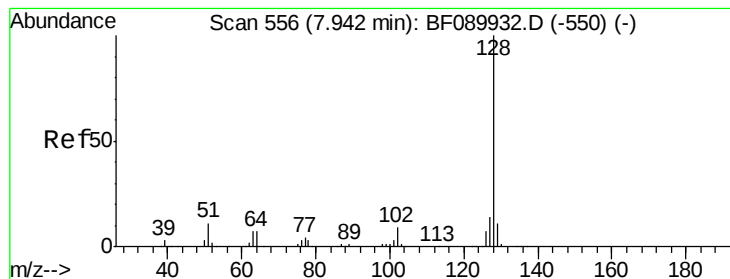


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 41.97 ng

RT: 7.93 min Scan# 555

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

Instrument :

BNA_F

ClientSampleId :

TEMP-AB(0-2)-8MSD

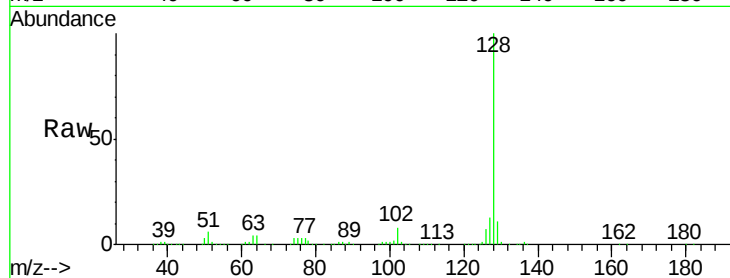
Tot Ion:128 Resp: 1614488

Ion Ratio Lower Upper

128 100

129 11.1 9.4 14.0

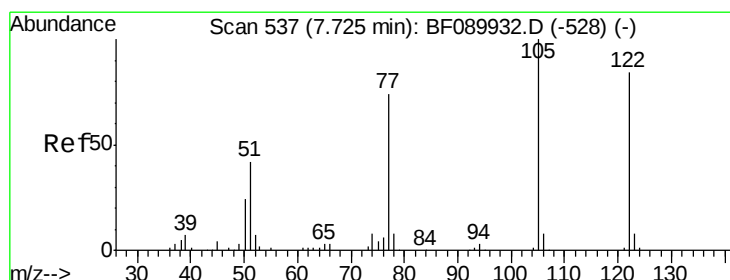
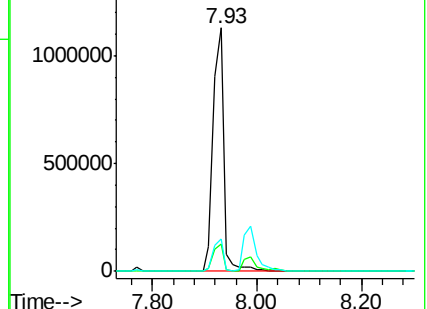
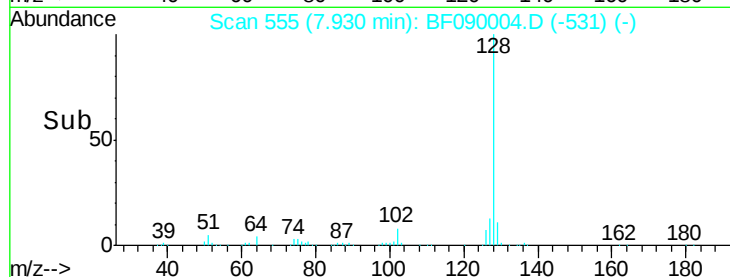
127 13.3 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 23.47 ng

RT: 7.70 min Scan# 535

Delta R.T. -0.03 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

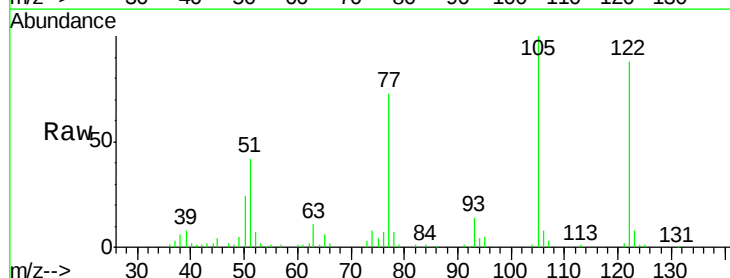
Tgt Ion:122 Resp: 197890

Ion Ratio Lower Upper

122 100

105 113.7 102.2 142.2

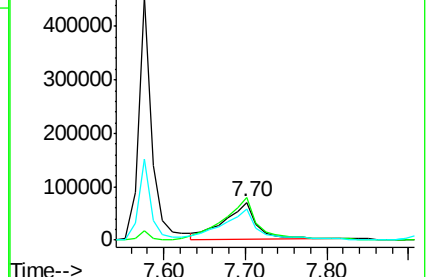
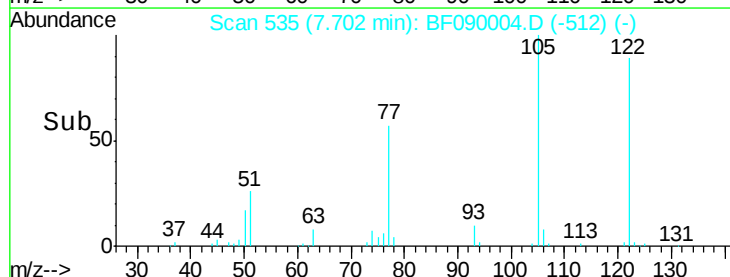
77 83.1 74.1 114.1

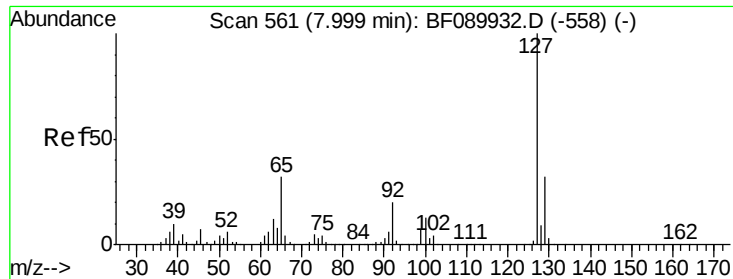


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

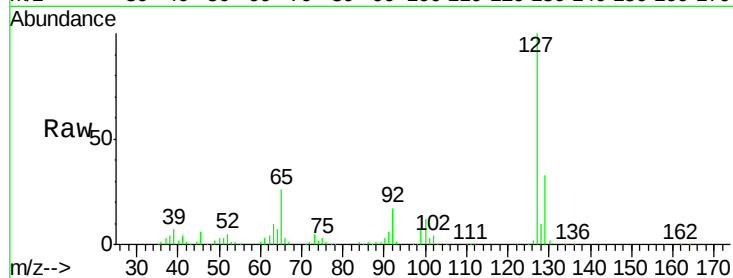




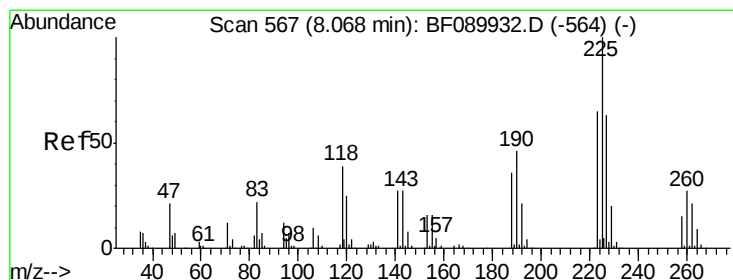
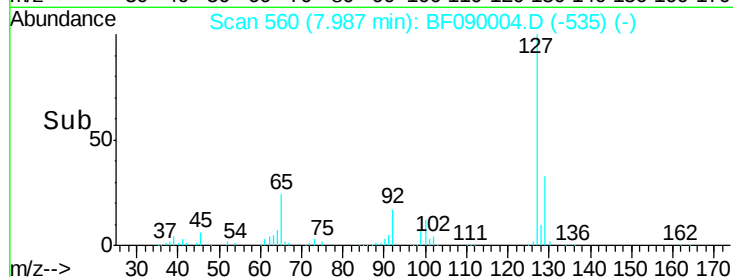
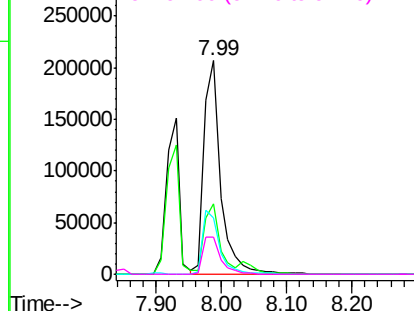
#33
4-Chloroaniline
Concen: 23.67 ng
RT: 7.99 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

Instrument :
BNA_F
ClientSampleId :
TEMP-AB(0-2)-8MSD

Tot Ion:	127	Resp:	367433
Ion	Ratio	Lower	Upper
127	100		
129	33.0	25.9	38.9
65	26.4	26.0	39.0
92	17.4	15.9	23.9

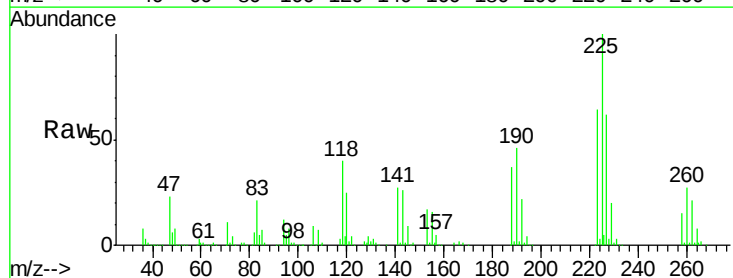


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

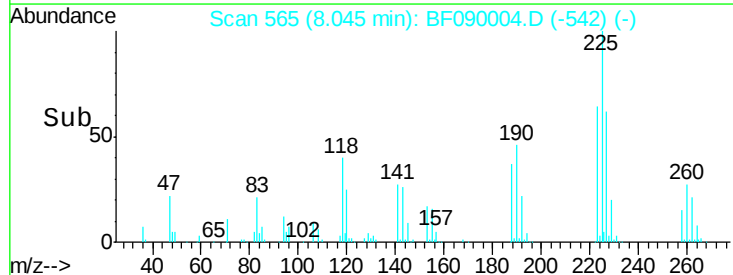
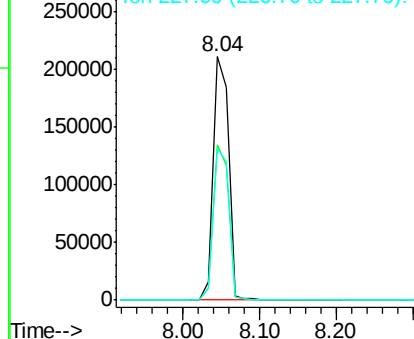


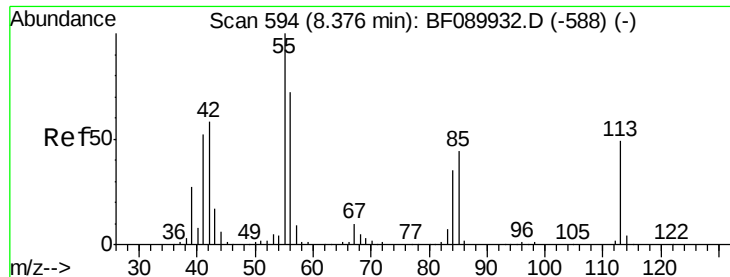
#34
Hexachlorobutadiene
Concen: 40.31 ng
RT: 8.04 min Scan# 565
Delta R.T. -0.03 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

Tgt Ion:	225	Resp:	289764
Ion	Ratio	Lower	Upper
225	100		
223	63.7	52.6	78.8
227	62.2	50.8	76.2



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 25.27 ng

RT: 8.35 min Scan# 592

Delta R.T. -0.03 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

Instrument :

BNA_F

ClientSampleId :

TEMP-AB(0-2)-8MSD

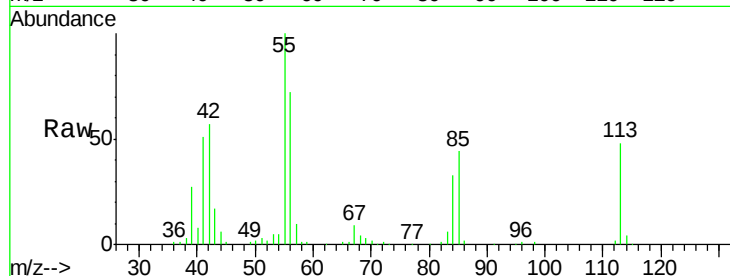
Tot Ion:113 Resp: 89488

Ion Ratio Lower Upper

113 100

55 209.4 178.5 218.5

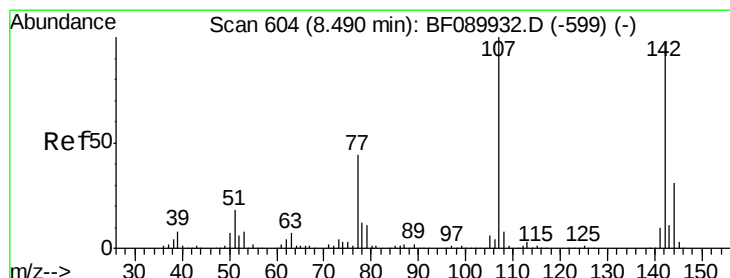
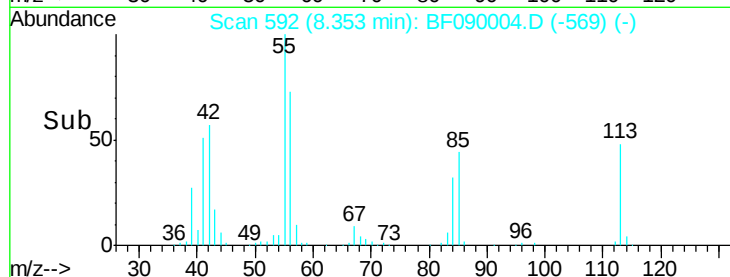
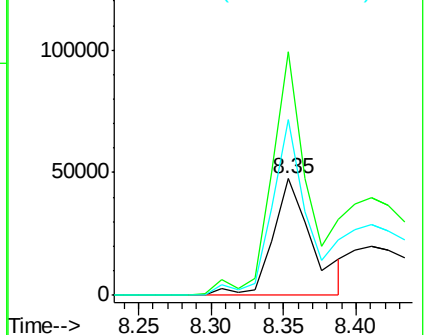
56 151.4 122.7 162.7



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 44.48 ng

RT: 8.48 min Scan# 603

Delta R.T. -0.01 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

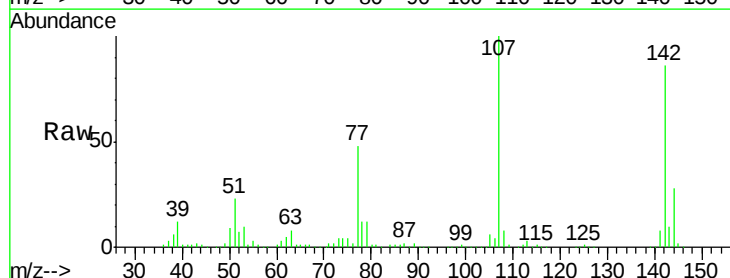
Tgt Ion:107 Resp: 528584

Ion Ratio Lower Upper

107 100

144 27.8 25.8 38.8

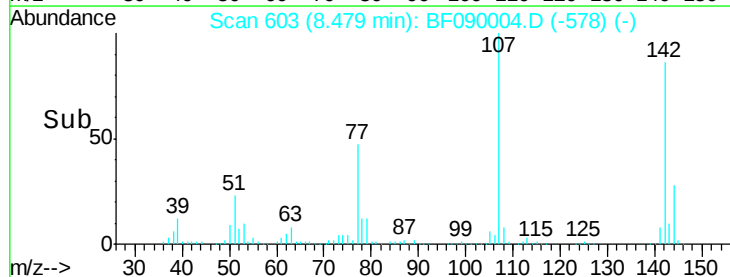
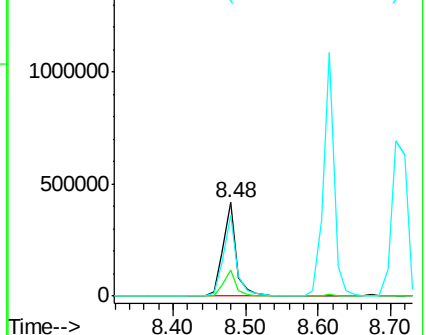
142 86.3 79.2 118.8

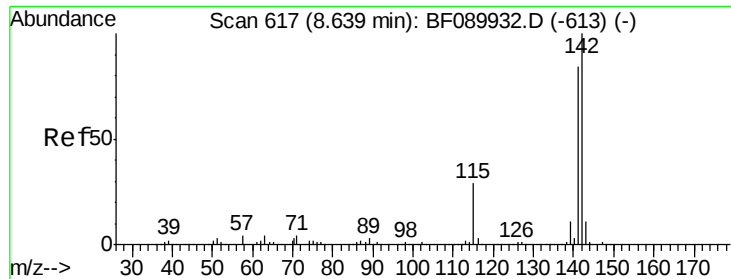


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

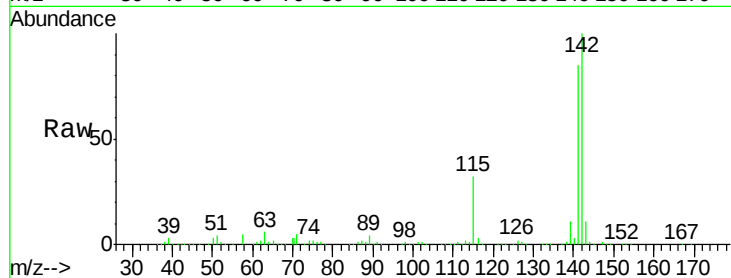




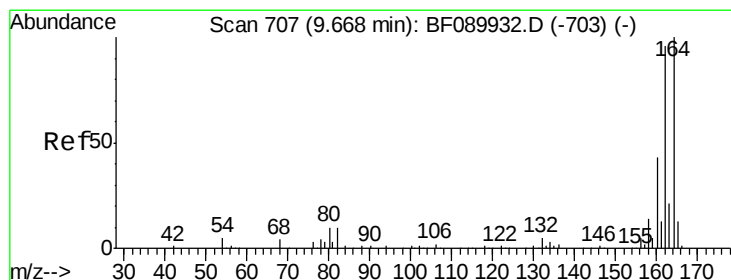
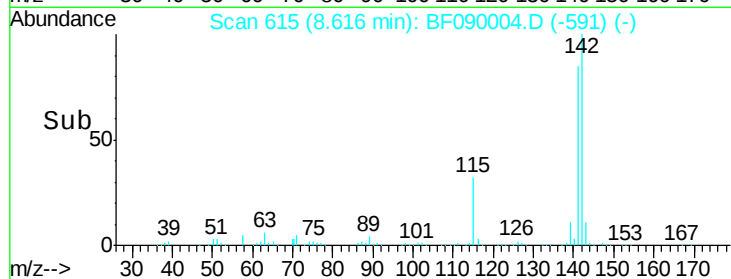
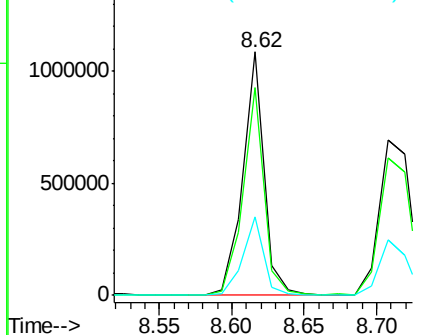
#37
2-Methylnaphthalene
Concen: 43.79 ng
RT: 8.62 min Scan# 615
Delta R.T. -0.02 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

Instrument :
BNA_F
ClientSampleId :
TEMP-AB(0-2)-8MSD

Tot Ion:142 Resp: 1113049
Ion Ratio Lower Upper
142 100
141 85.2 68.3 102.5
115 32.0 23.8 35.8

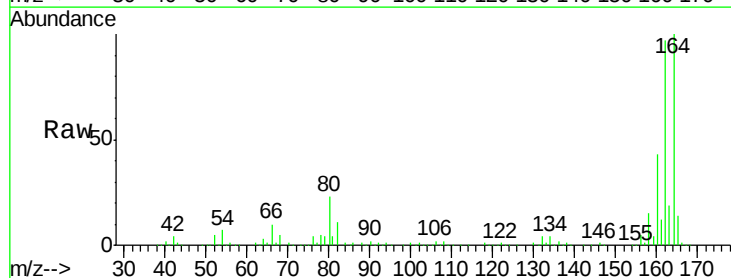


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

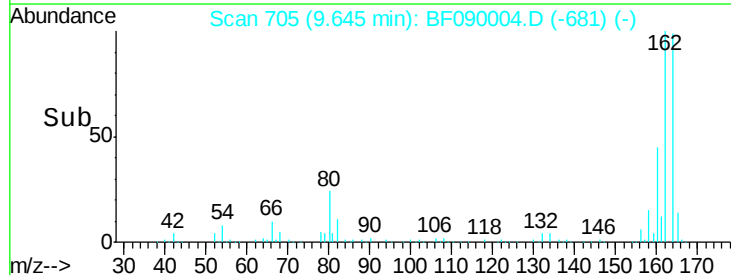
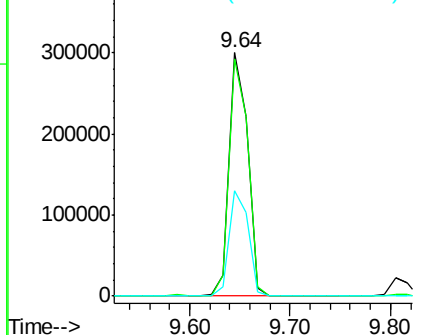


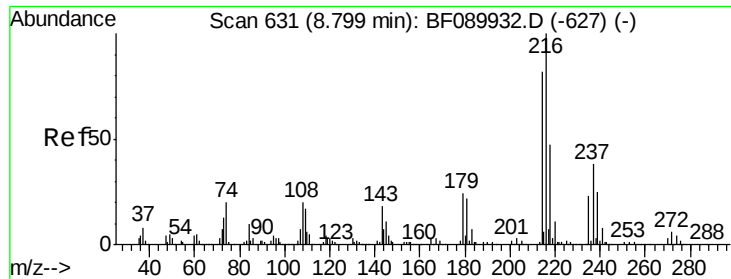
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.64 min Scan# 705
Delta R.T. -0.02 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

Tgt Ion:164 Resp: 385807
Ion Ratio Lower Upper
164 100
162 97.3 77.1 115.7
160 43.3 35.3 52.9



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 38.79 ng

RT: 8.79 min Scan# 630

Delta R.T. -0.01 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

Instrument :

BNA_F

ClientSampleId :

TEMP-AB(0-2)-8MSD

Tot Ion:216 Resp: 438460

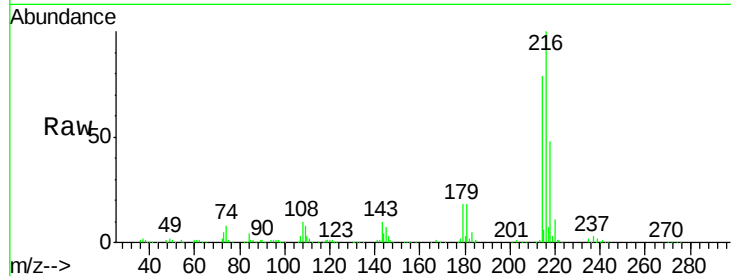
Ion Ratio Lower Upper

216 100

214 79.2 63.4 95.2

179 20.4 17.3 25.9

108 17.6 15.5 23.3

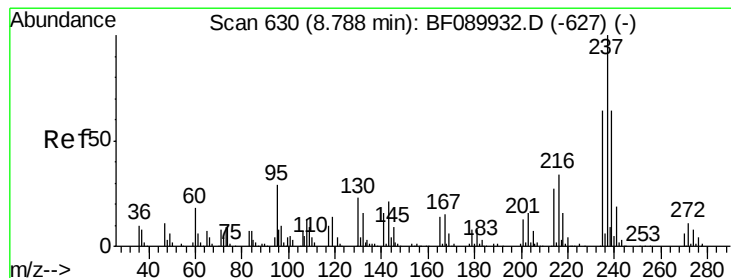
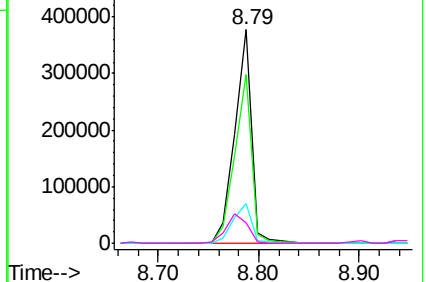
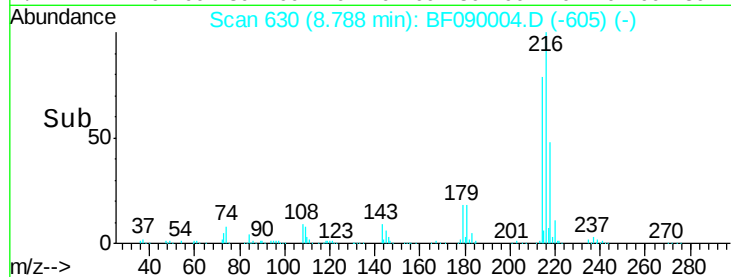


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 90.33 ng

RT: 8.78 min Scan# 629

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

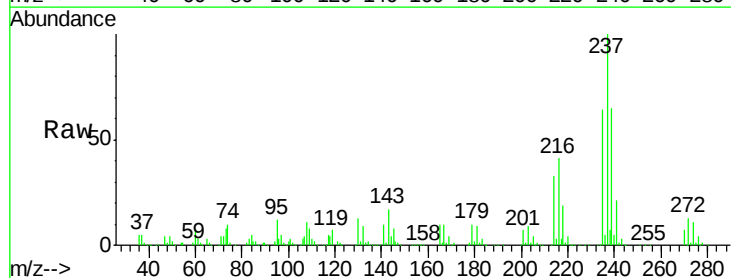
Tgt Ion:237 Resp: 523474

Ion Ratio Lower Upper

237 100

235 64.2 39.6 79.6

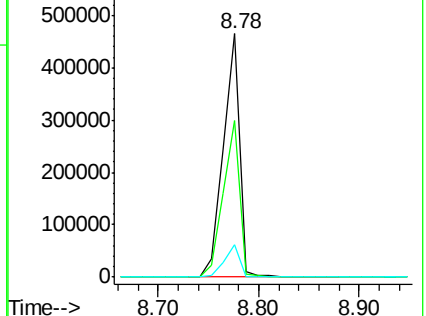
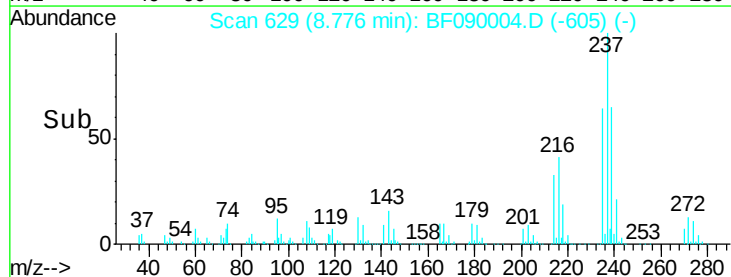
272 13.4 0.0 34.6

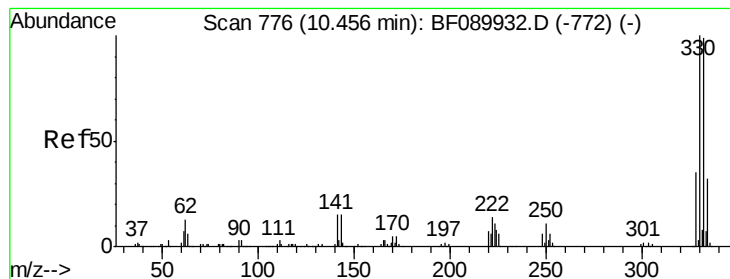


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 115.66 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

Instrument :

BNA_F

ClientSampleId :

TEMP-AB(0-2)-8MSD

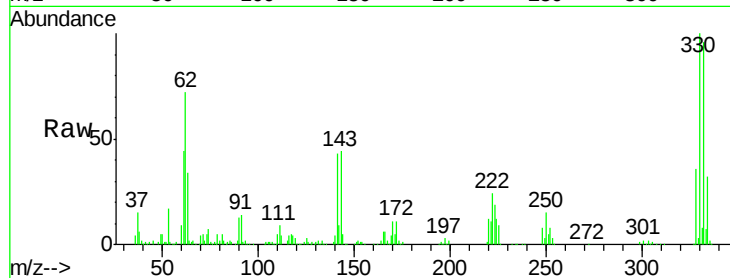
Tot Ion:330 Resp: 440252

Ion Ratio Lower Upper

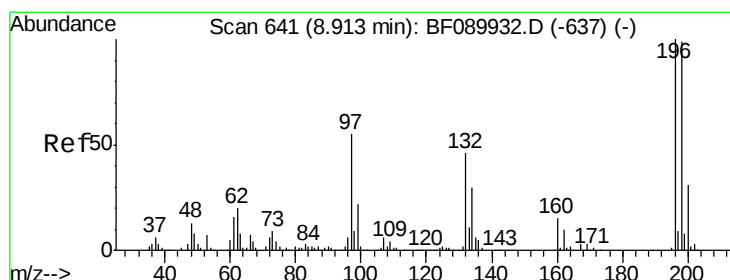
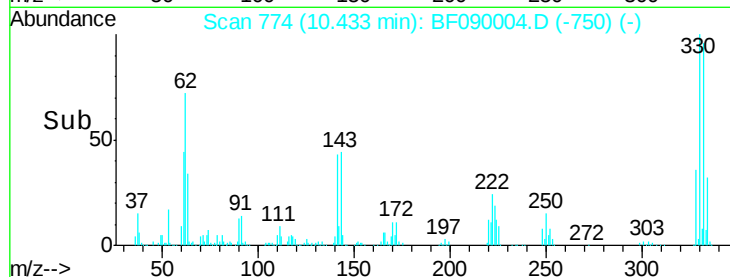
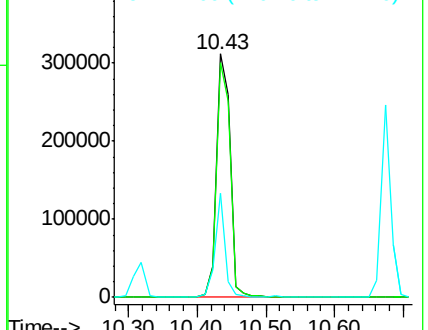
330 100

332 96.9 78.6 117.8

141 30.8 23.3 34.9



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 48.68 ng

RT: 8.90 min Scan# 640

Delta R.T. -0.01 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

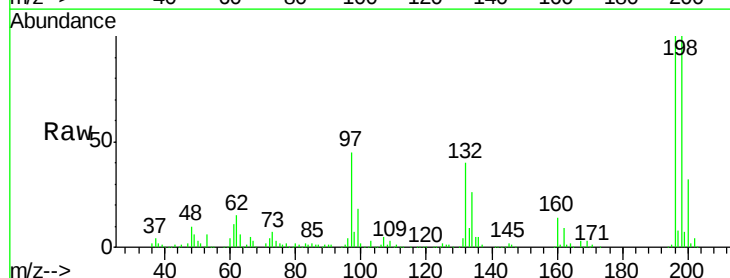
Tgt Ion:196 Resp: 381293

Ion Ratio Lower Upper

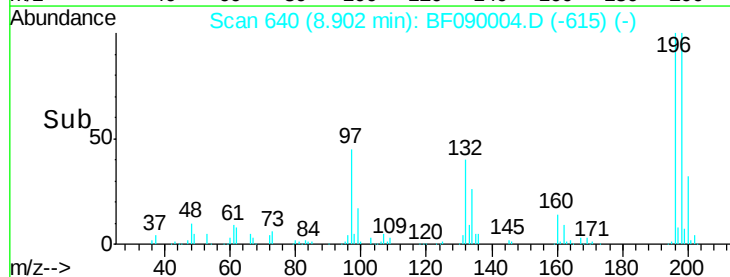
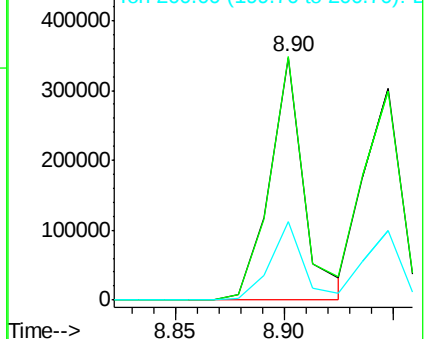
196 100

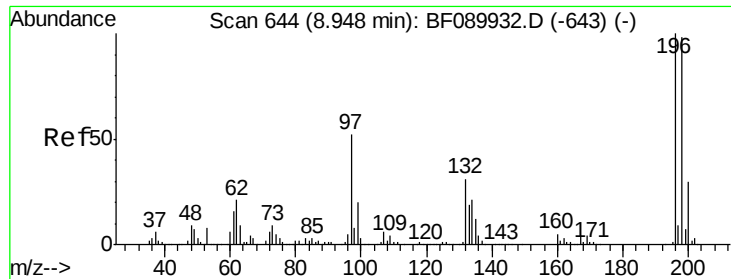
198 100.3 78.3 117.5

200 32.2 24.8 37.2



Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E

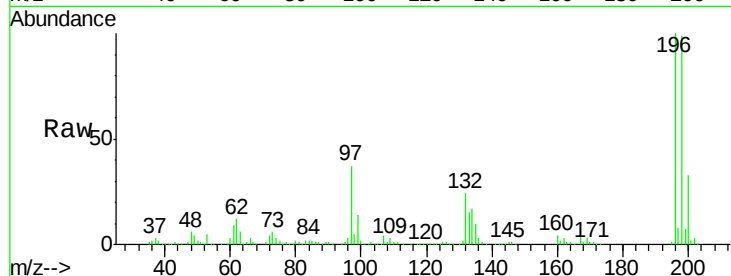




#43
 2,4,5-Trichlorophenol
 Concen: 49.39 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: BF090004.D
 Acq: 7 Sep 2016 14:52

Instrument :
 BNA_F
 ClientSampleId :
 TEMP-AB(0-2)-8MSD

Tot Ion	Ratio	Lower	Upper
196	100		
198	98.7	80.8	121.2
97	36.7	44.2	66.4#
132	24.4	25.8	38.6#



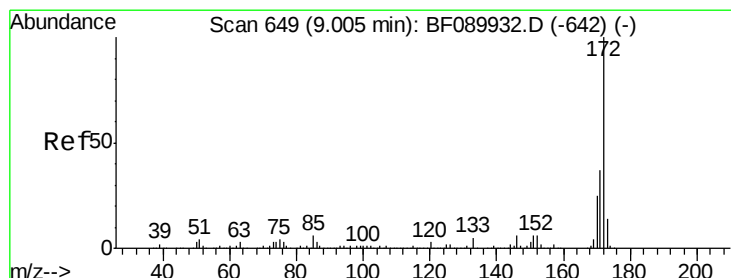
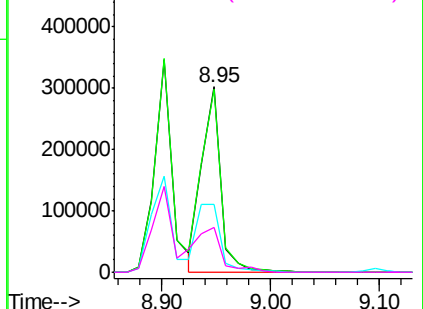
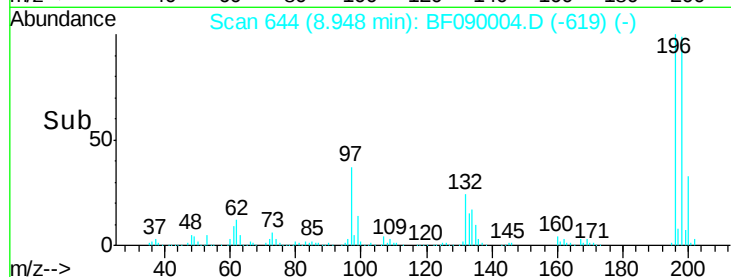
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

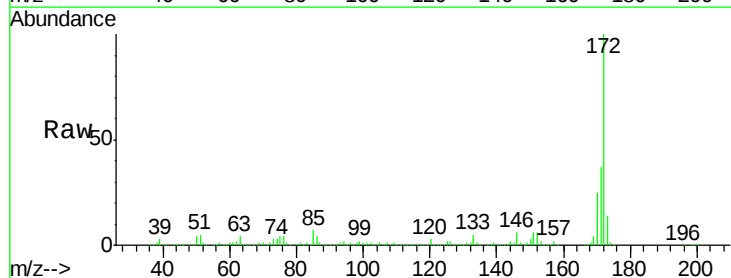
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 74.53 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.02 min
 Lab File: BF090004.D
 Acq: 7 Sep 2016 14:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.4	44.2
170	24.8	20.1	30.1

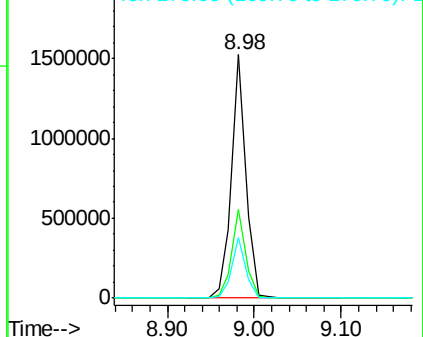
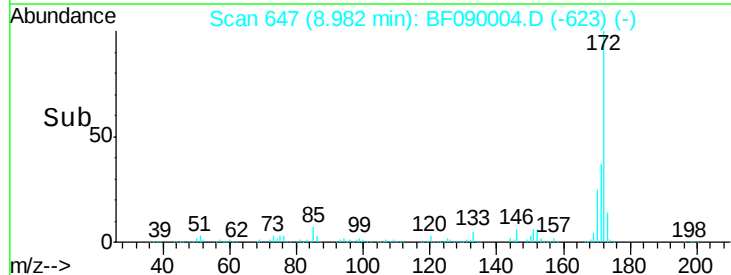


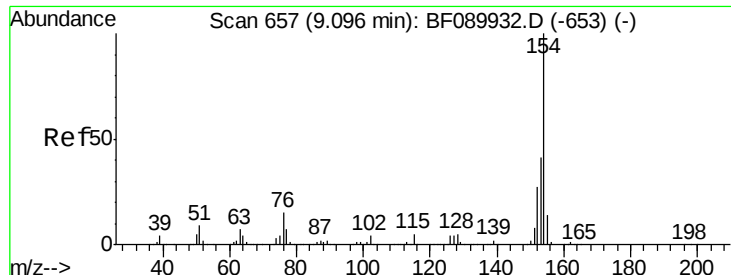
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

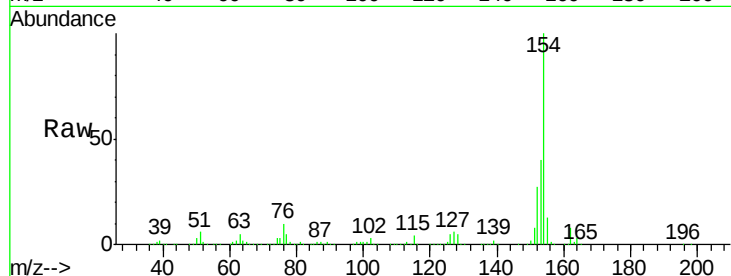




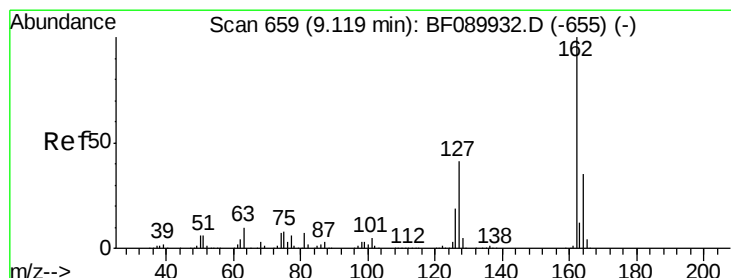
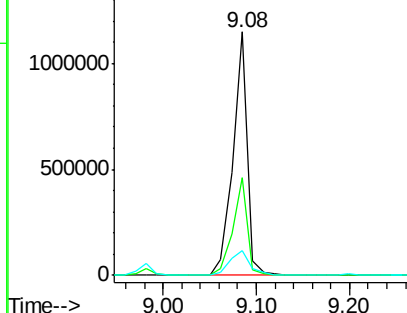
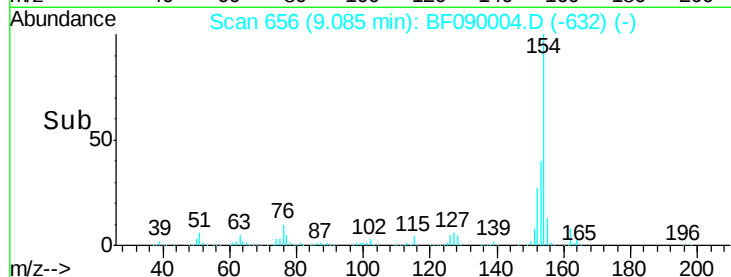
#45
 1,1'-Biphenyl
 Concen: 39.71 ng
 RT: 9.08 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: BF090004.D
 Acq: 7 Sep 2016 14:52

Instrument :
 BNA_F
 ClientSampleId :
 TEMP-AB(0-2)-8MSD

Tot Ion:154 Resp: 1233512
 Ion Ratio Lower Upper
 154 100
 153 40.4 20.6 60.6
 76 10.0 0.0 34.9

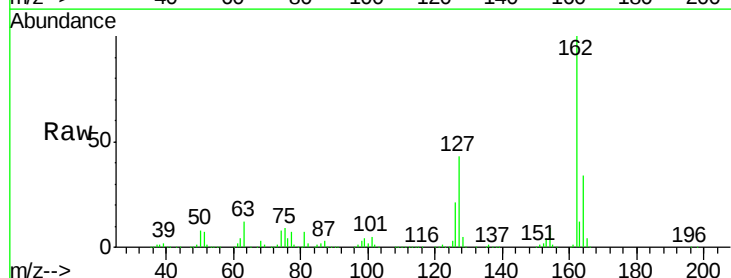


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

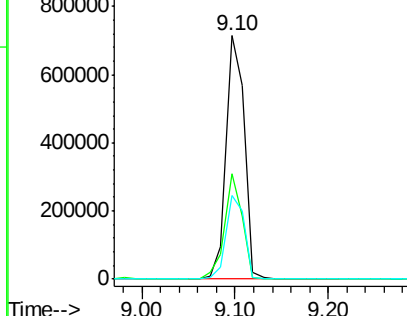
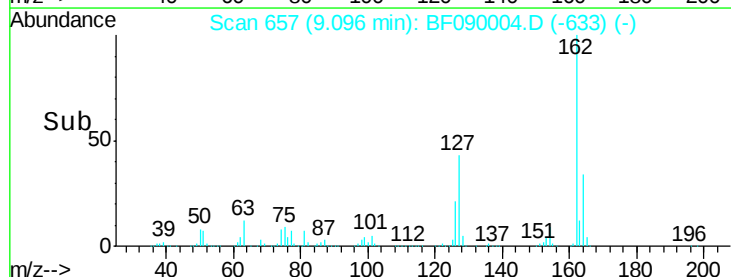


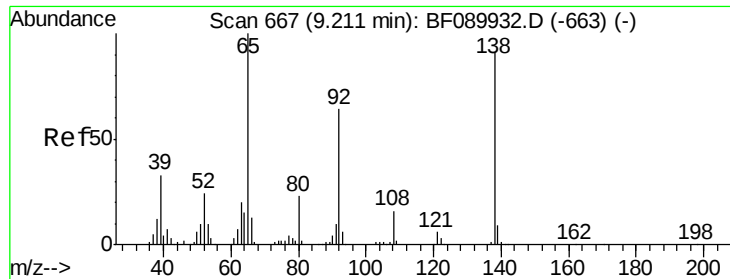
#46
 2-Chloronaphthalene
 Concen: 44.20 ng
 RT: 9.10 min Scan# 657
 Delta R.T. -0.02 min
 Lab File: BF090004.D
 Acq: 7 Sep 2016 14:52

Tgt Ion:162 Resp: 971192
 Ion Ratio Lower Upper
 162 100
 127 43.0 33.5 50.3
 164 34.1 28.2 42.4



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

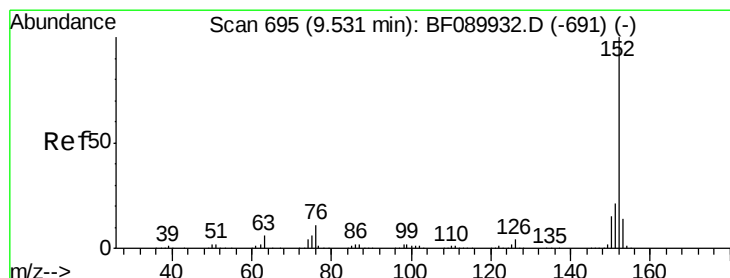
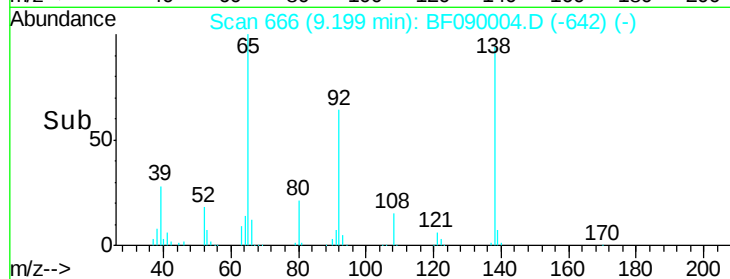
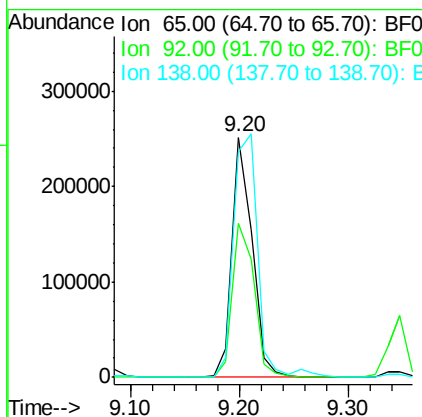
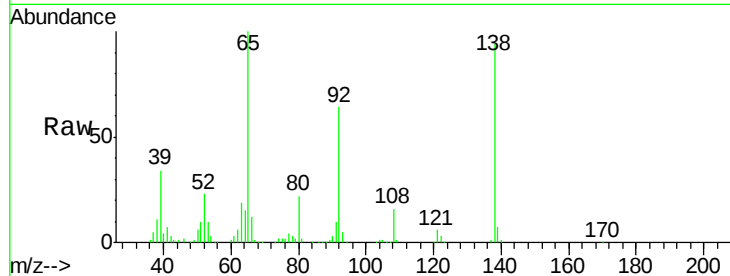




#47
2-Nitroaniline
Concen: 44.65 ng
RT: 9.20 min Scan# 666
Delta R.T. -0.02 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

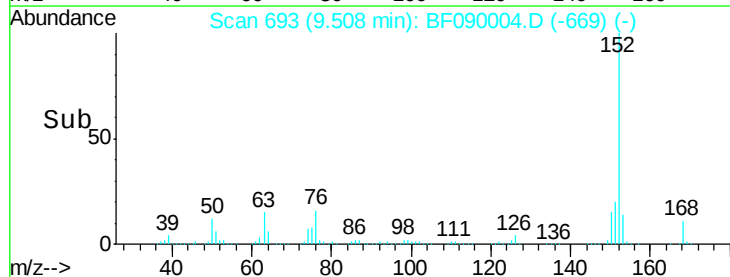
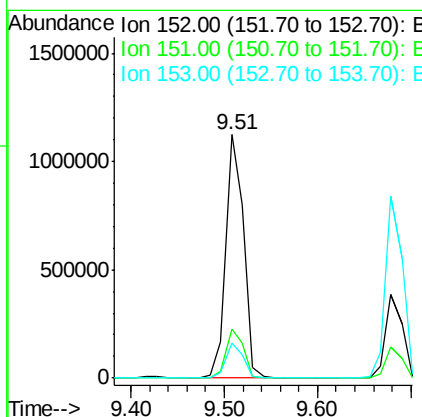
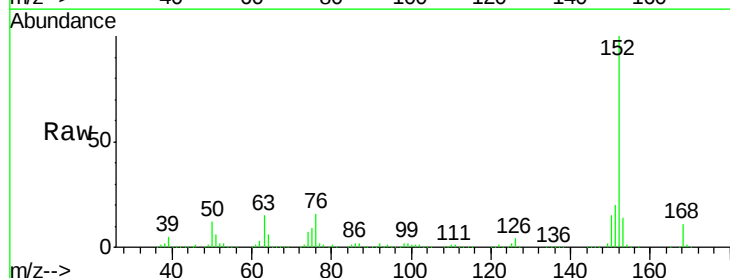
Instrument :
BNA_F
ClientSampleId :
TEMP-AB(0-2)-8MSD

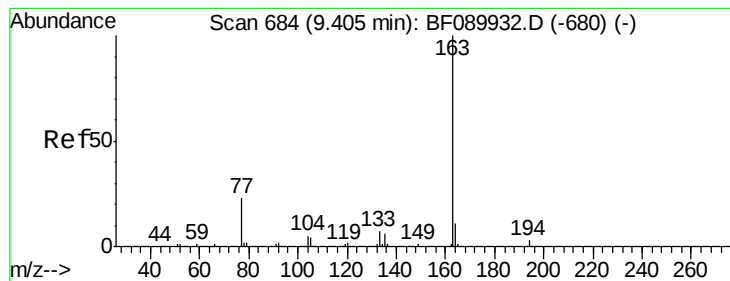
Tot Ion: 65 Resp: 320744
Ion Ratio Lower Upper
65 100
92 64.3 52.0 78.0
138 94.0 72.1 108.1



#48
Acenaphthylene
Concen: 40.99 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.02 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

Tgt Ion: 152 Resp: 1489422
Ion Ratio Lower Upper
152 100
151 20.4 16.7 25.1
153 14.5 11.6 17.4





#49

Dimethylphthalate

Concen: 53.36 ng

RT: 9.39 min Scan# 683

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

Instrument :

BNA_F

ClientSampleId :

TEMP-AB(0-2)-8MSD

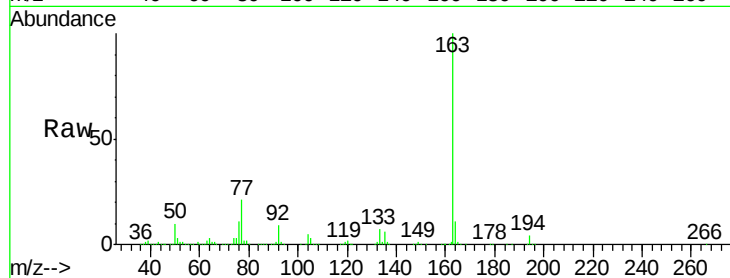
Tot Ion:163 Resp: 1487831

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

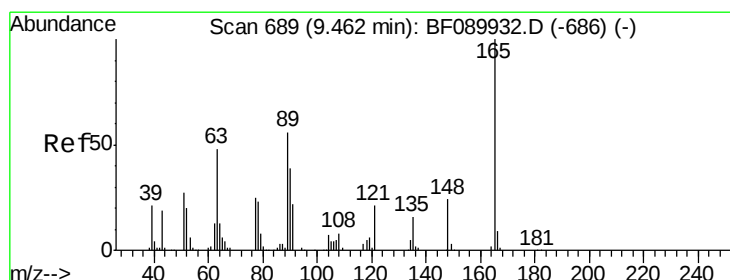
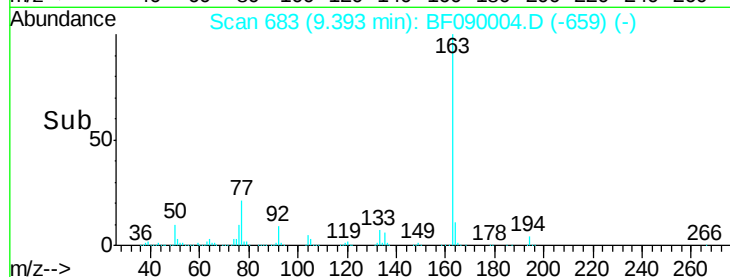
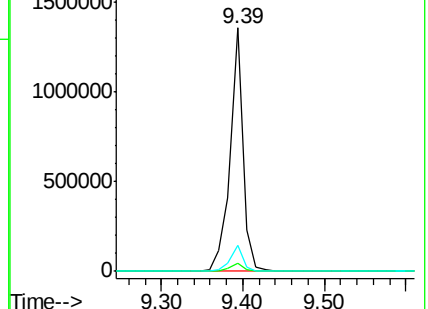
164 10.9 9.0 13.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 50.02 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

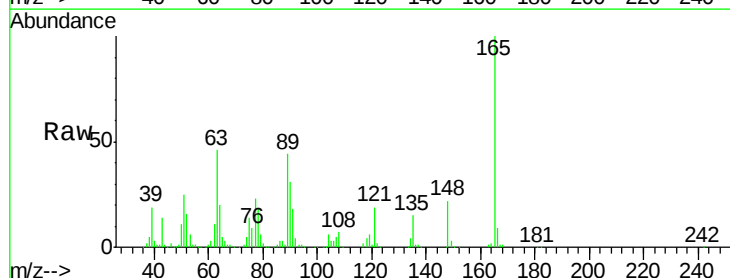
Tgt Ion:165 Resp: 310226

Ion Ratio Lower Upper

165 100

63 45.6 45.0 67.4

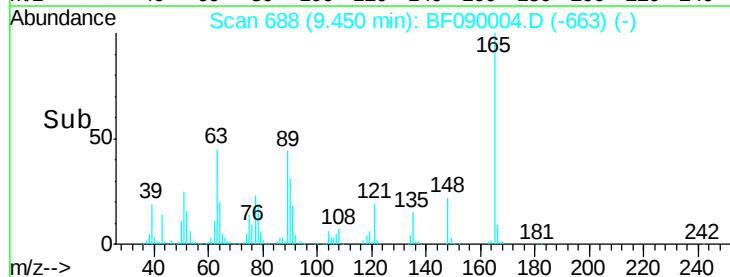
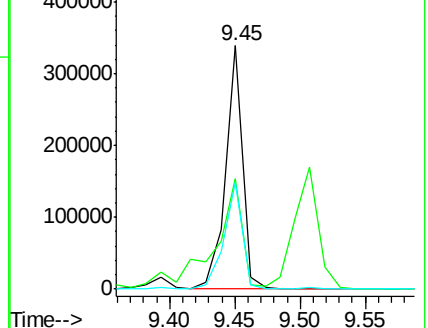
89 44.1 41.5 62.3

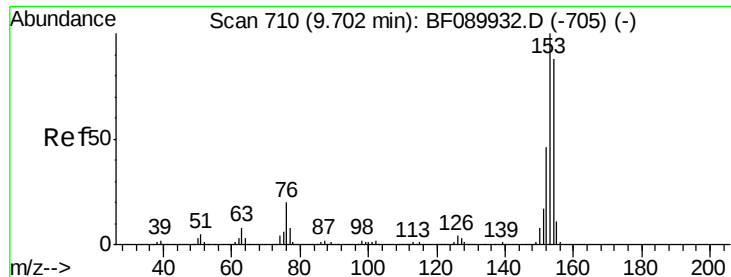


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 46.44 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

Instrument :

BNA_F

ClientSampleId :

TEMP-AB(0-2)-8MSD

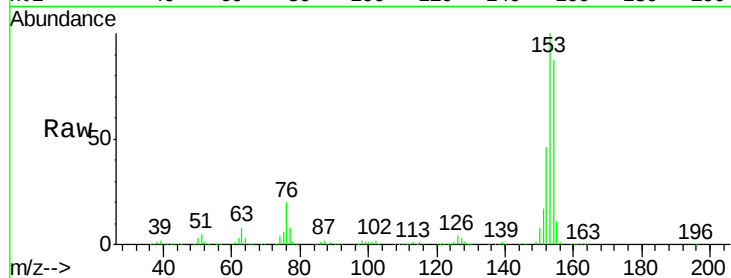
Tot Ion:154 Resp: 1069080

Ion Ratio Lower Upper

154 100

153 114.6 90.6 135.8

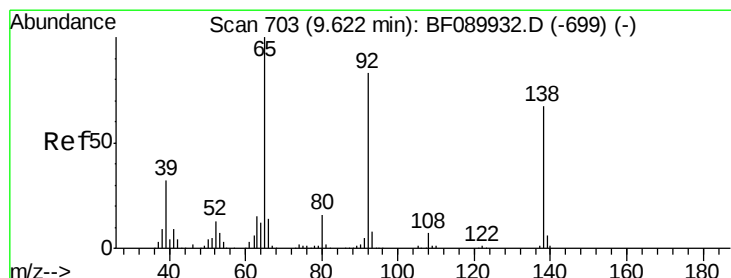
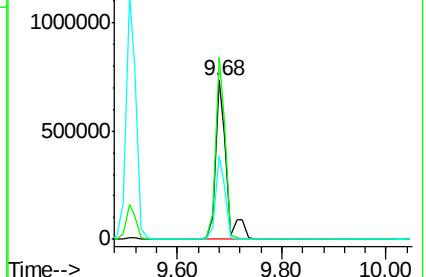
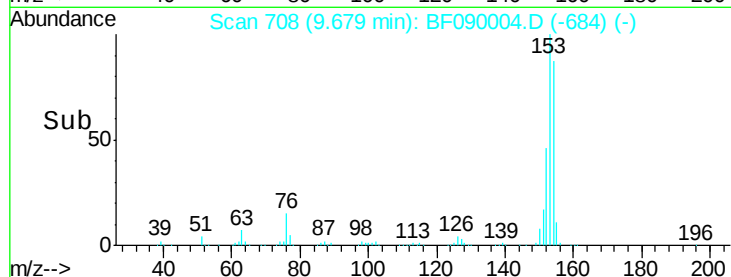
152 52.5 42.4 63.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 33.03 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

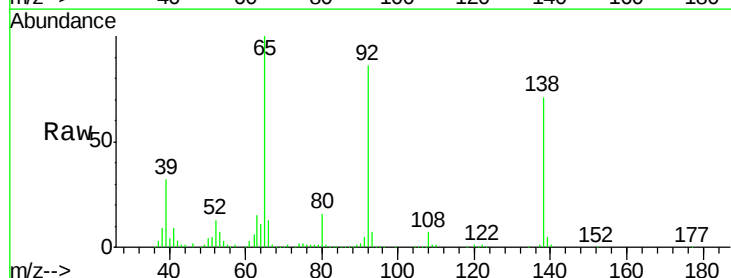
Tgt Ion:138 Resp: 233610

Ion Ratio Lower Upper

138 100

108 9.9 8.3 12.5

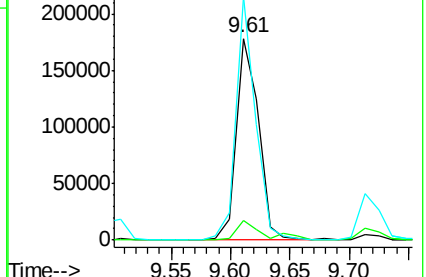
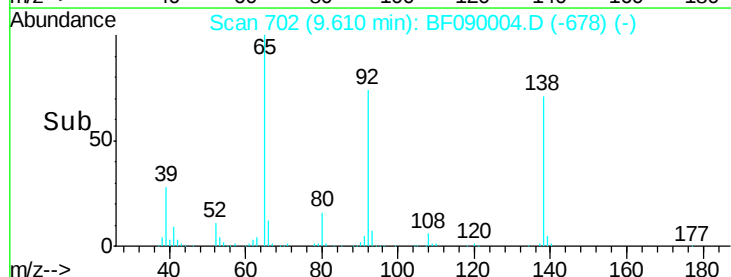
92 120.8 99.1 148.7

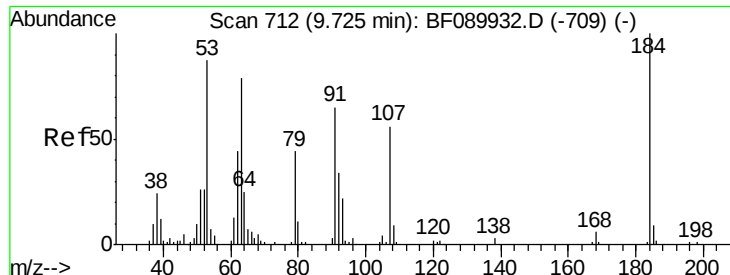


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

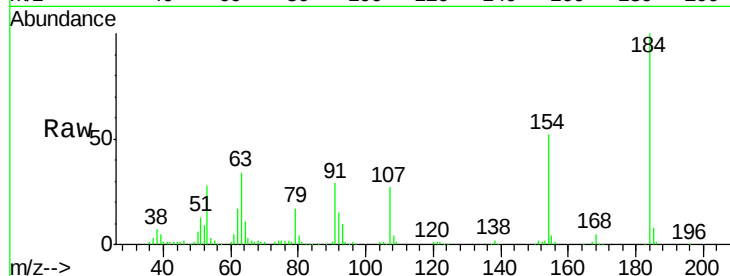




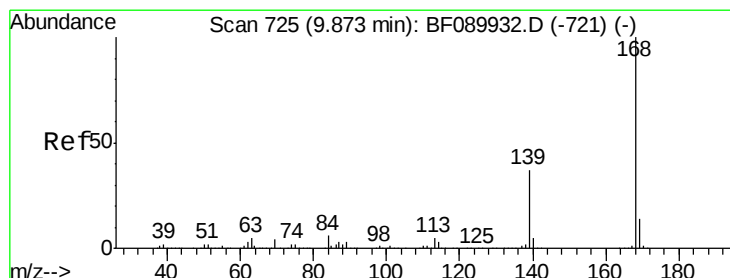
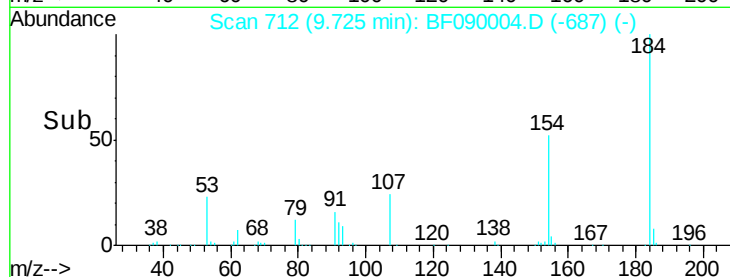
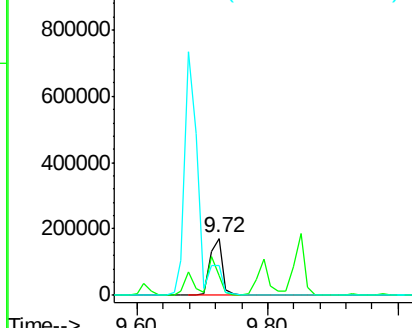
#53
2,4-Dinitrophenol
Concen: 62.00 ng
RT: 9.72 min Scan# 712
Delta R.T. -0.01 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

Instrument :
BNA_F
ClientSampleId :
TEMP-AB(0-2)-8MSD

Tot Ion:184 Resp: 234931
Ion Ratio Lower Upper
184 100
63 34.0 73.9 110.9#
154 52.2 53.5 80.3#

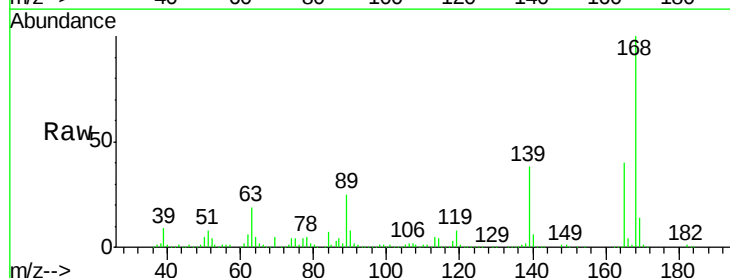


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

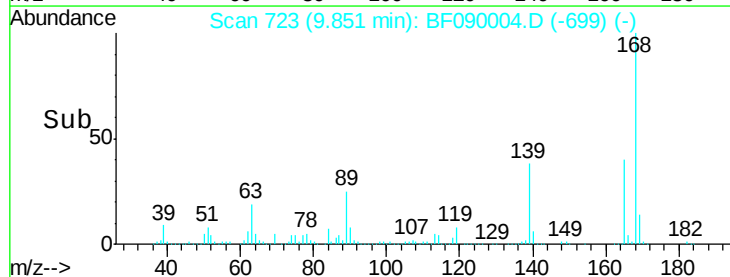
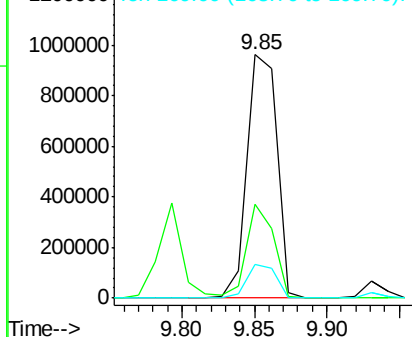


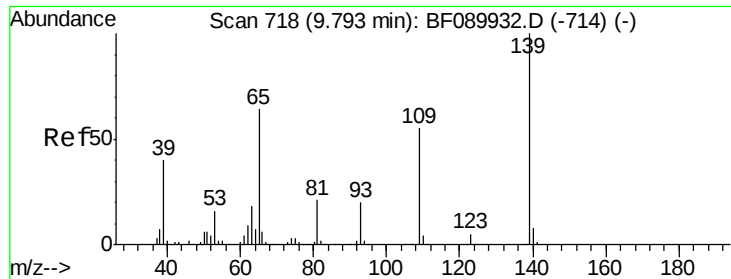
#54
Dibenzofuran
Concen: 44.76 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.02 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

Tgt Ion:168 Resp: 1380907
Ion Ratio Lower Upper
168 100
139 38.3 29.5 44.3
169 13.9 10.8 16.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

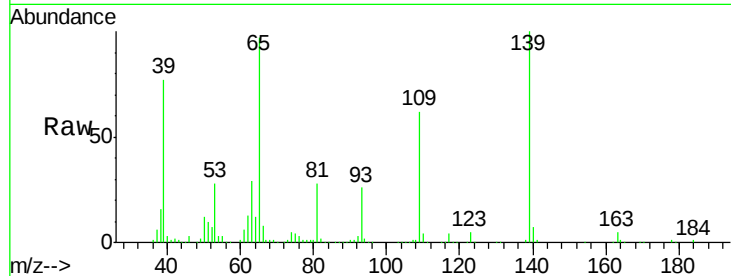




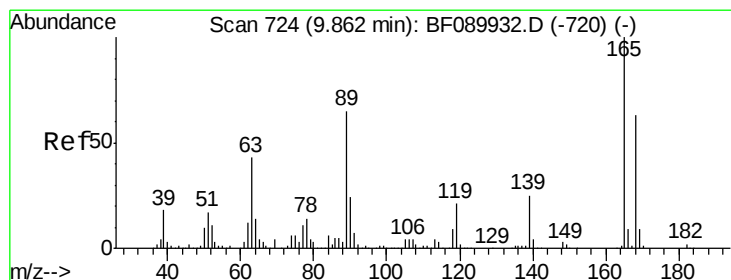
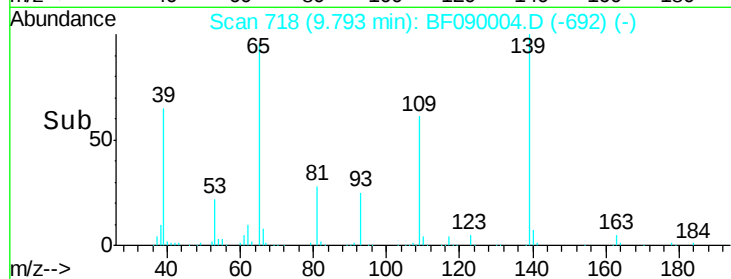
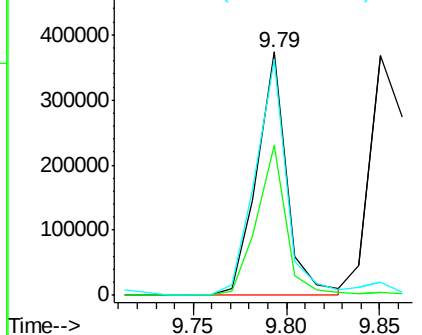
#55
4-Nitrophenol
Concen: 79.13 ng
RT: 9.79 min Scan# 718
Delta R.T. 0.00 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

Instrument :
BNA_F
ClientSampleId :
TEMP-AB(0-2)-8MSD

Tot Ion	Ratio	Lower	Upper
139	100		
109	61.5	31.3	71.3
65	97.0	38.5	78.5



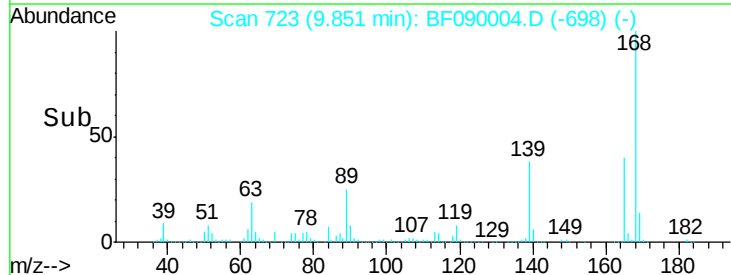
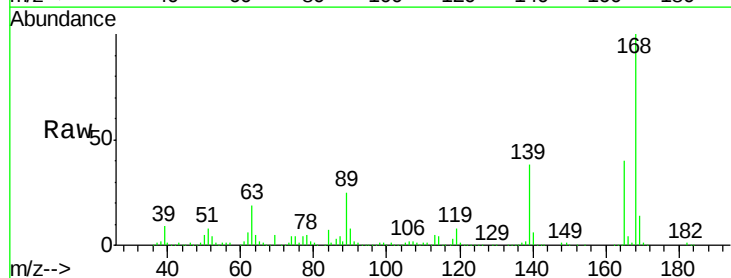
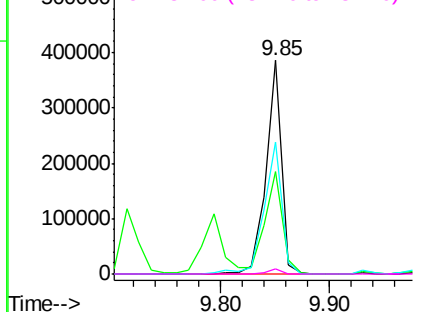
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

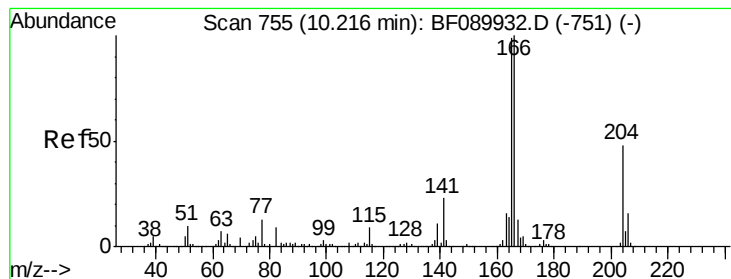


#56
2,4-Dinitrotoluene
Concen: 49.06 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.01 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	47.9	32.5	48.7
89	61.6	48.3	72.5
182	2.2	1.7	2.5

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 42.15 ng

RT: 10.19 min Scan# 753

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

Instrument :

BNA_F

ClientSampleId :

TEMP-AB(0-2)-8MSD

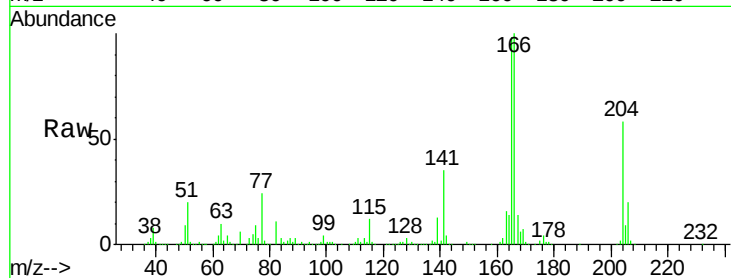
Tot Ion:166 Resp: 950060

Ion Ratio Lower Upper

166 100

165 98.4 78.6 118.0

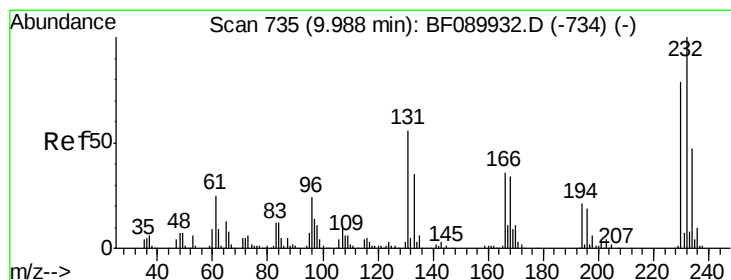
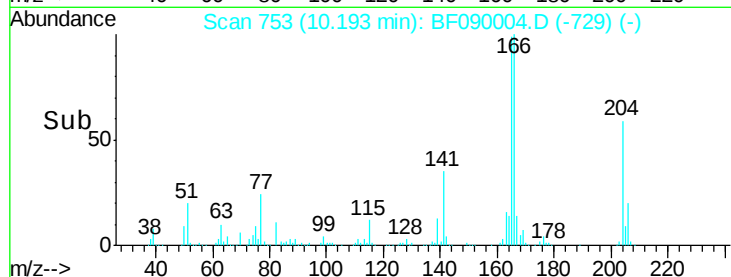
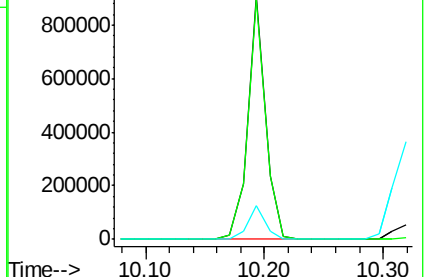
167 13.7 10.6 15.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 48.52 ng

RT: 9.98 min Scan# 734

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

Tgt Ion:232 Resp: 312861

Ion Ratio Lower Upper

232 100

131 46.0 36.3 54.5

130 2.0 1.7 2.5

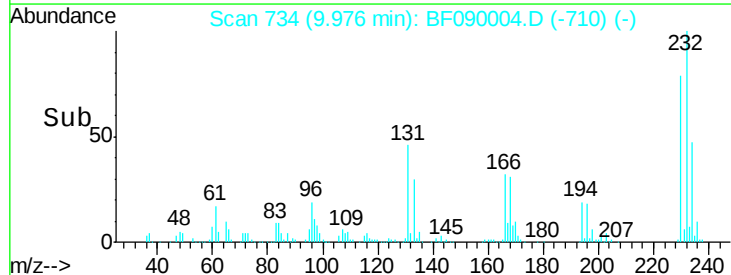
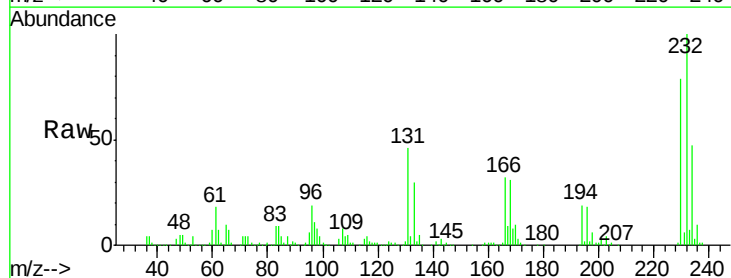
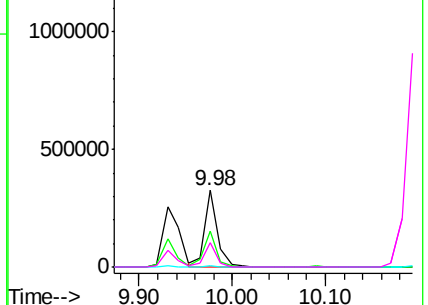
166 30.9 24.4 36.6

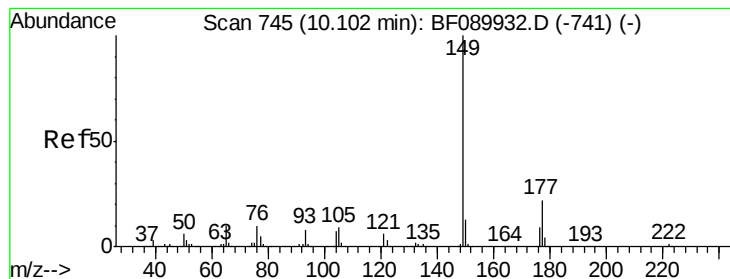
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 47.22 ng

RT: 10.09 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

Instrument :

BNA_F

ClientSampleId :

TEMP-AB(0-2)-8MSD

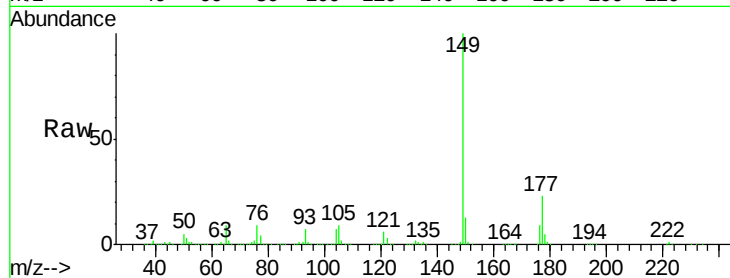
Tot Ion:149 Resp: 1238856

Ion Ratio Lower Upper

149 100

177 22.9 17.7 26.5

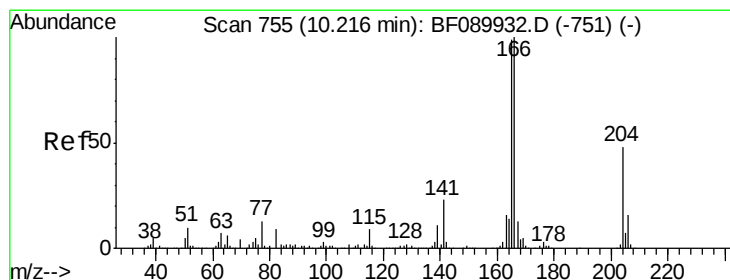
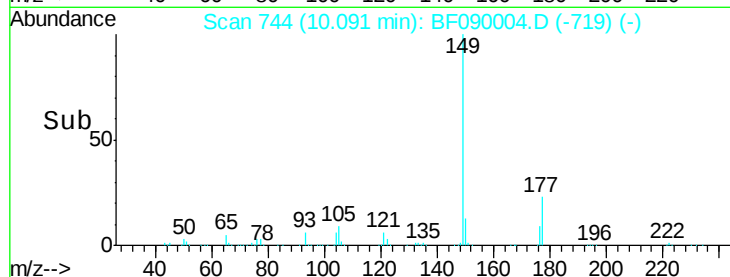
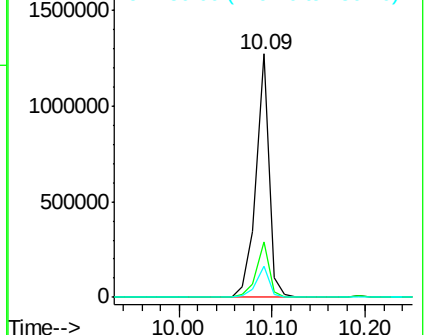
150 12.7 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 43.91 ng

RT: 10.19 min Scan# 753

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

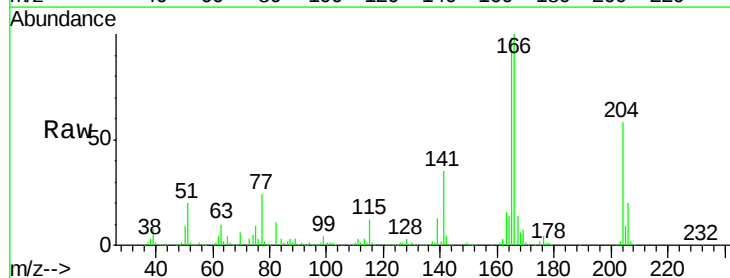
Tgt Ion:204 Resp: 465775

Ion Ratio Lower Upper

204 100

206 33.4 26.6 40.0

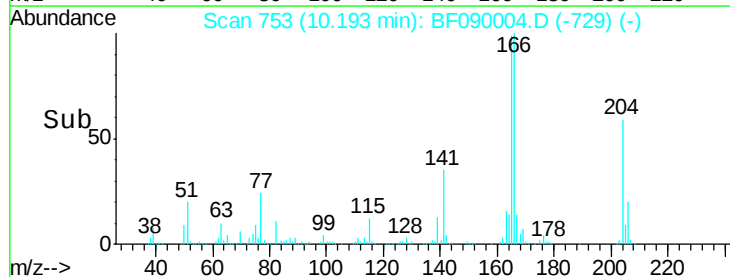
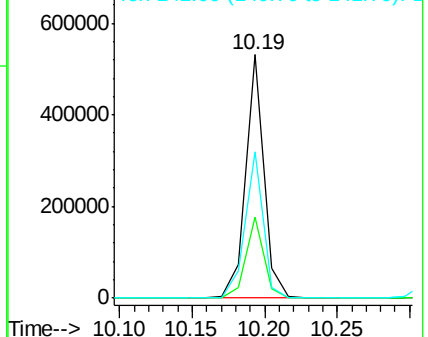
141 60.2 36.5 54.7#

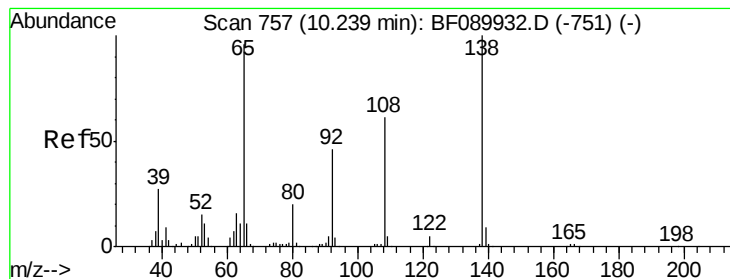


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 41.54 ng

RT: 10.23 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

Instrument :

BNA_F

ClientSampleId :

TEMP-AB(0-2)-8MSD

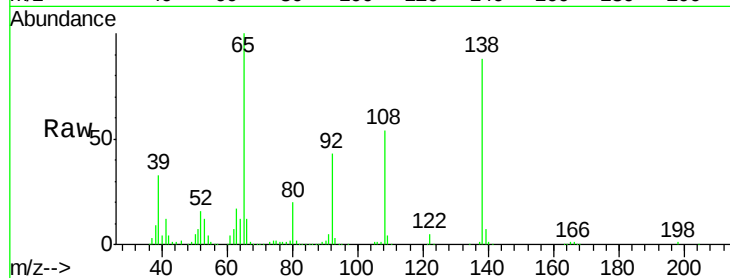
Tot Ion:138 Resp: 288673

Ion Ratio Lower Upper

138 100

92 48.7 21.2 61.2

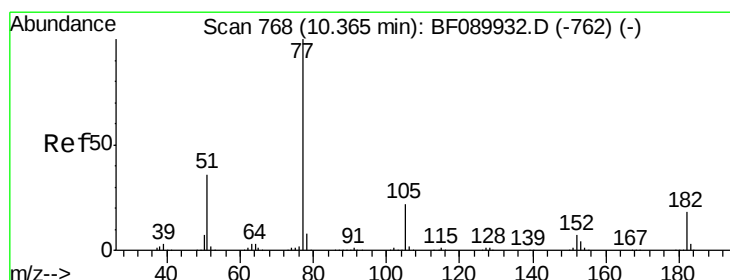
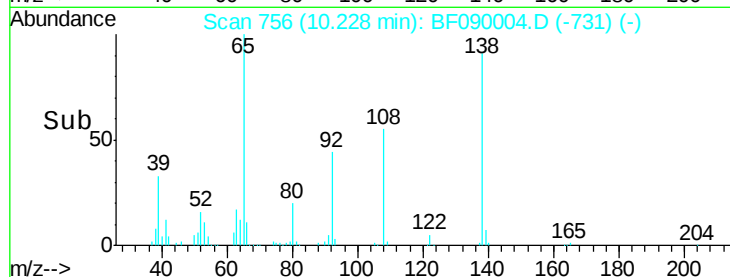
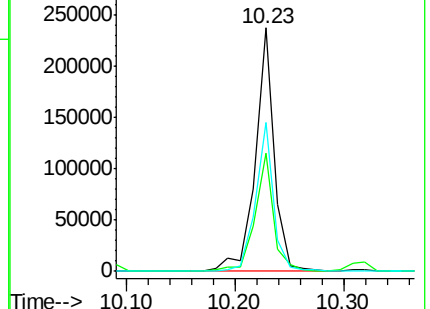
108 61.3 37.7 77.7



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 49.37 ng

RT: 10.35 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

Tgt Ion: 77 Resp: 1293537

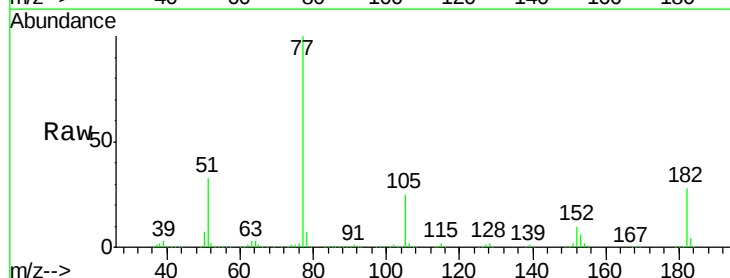
Ion Ratio Lower Upper

77 100

182 28.1 0.0 38.6

105 25.0 2.3 42.3

51 32.8 15.1 55.1

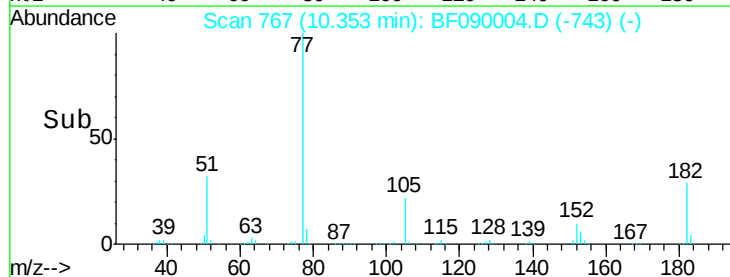
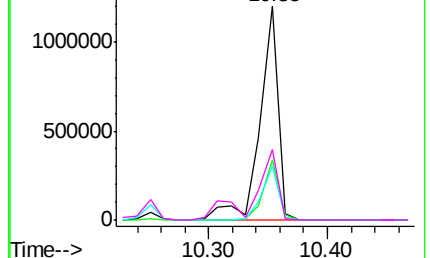


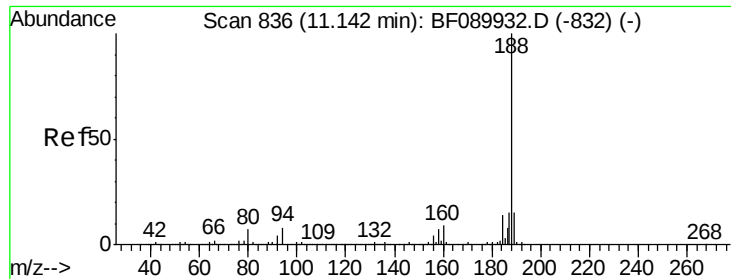
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

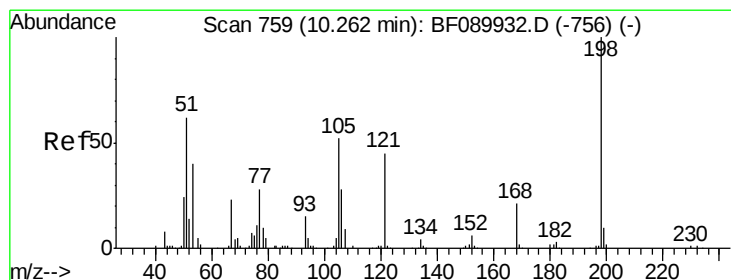
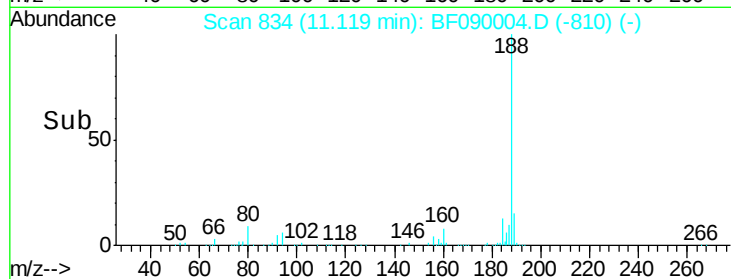
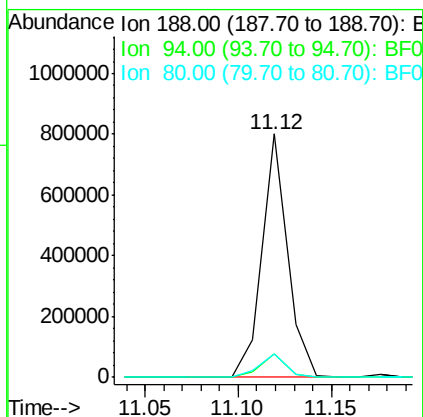
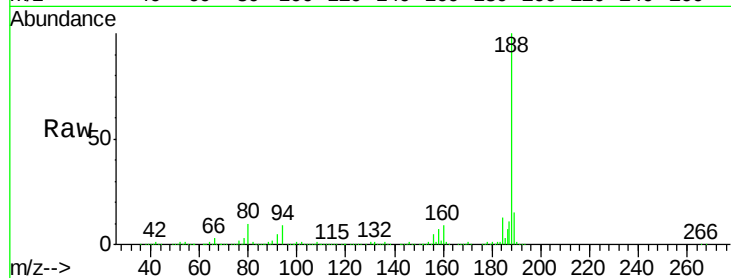




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.02 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

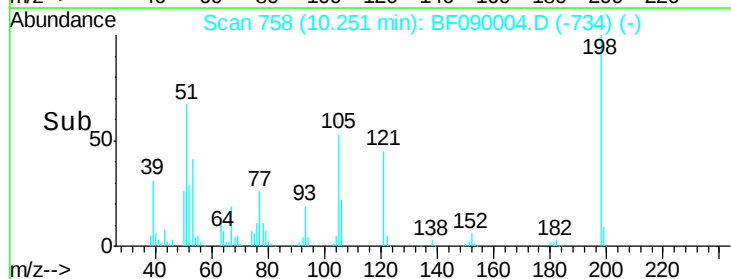
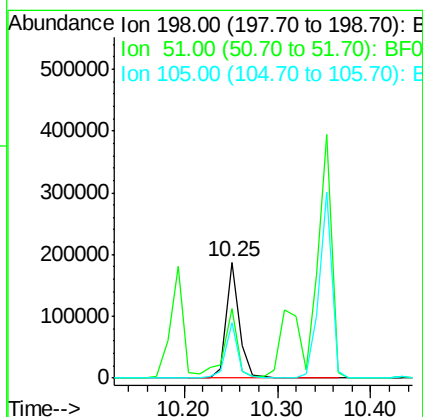
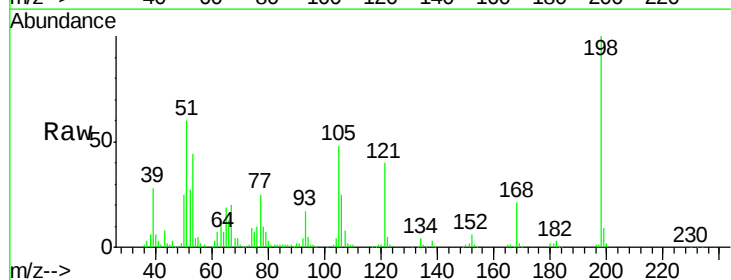
Instrument :
BNA_F
ClientSampleId :
TEMP-AB(0-2)-8MSD

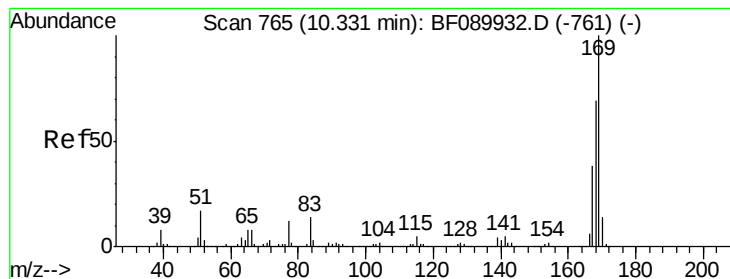
Tot Ion:188 Resp: 759580
Ion Ratio Lower Upper
188 100
94 9.4 5.9 8.9#
80 9.7 5.8 8.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 37.47 ng
RT: 10.25 min Scan# 758
Delta R.T. -0.02 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

Tgt Ion:198 Resp: 182236
Ion Ratio Lower Upper
198 100
51 59.9 43.0 83.0
105 47.5 30.3 70.3





#65

n-Nitrosodiphenylamine

Concen: 46.47 ng

RT: 10.32 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

Instrument :

BNA_F

ClientSampleId :

TEMP-AB(0-2)-8MSD

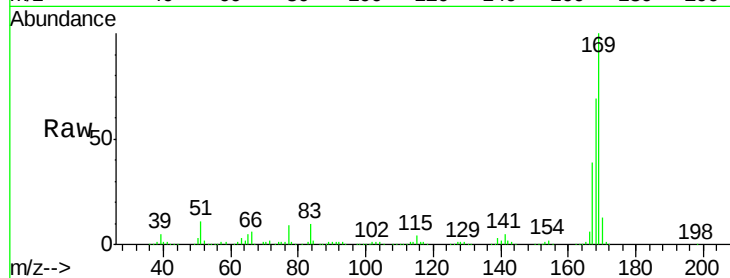
Tot Ion:169 Resp: 1061127

Ion Ratio Lower Upper

169 100

168 68.7 55.0 82.4

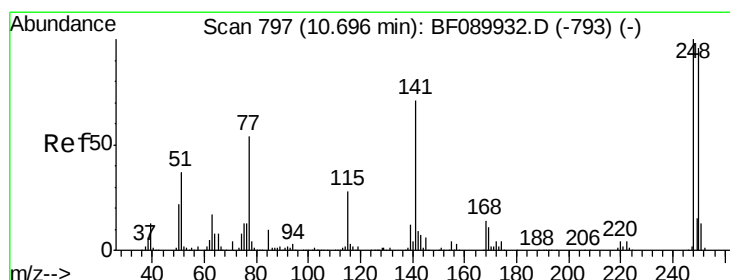
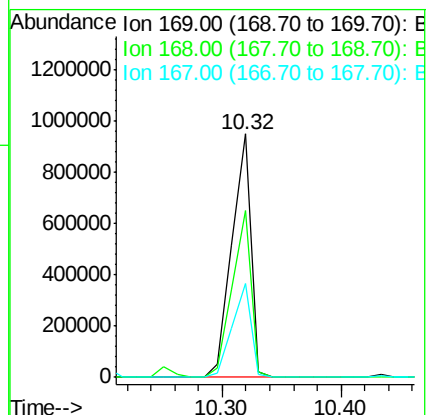
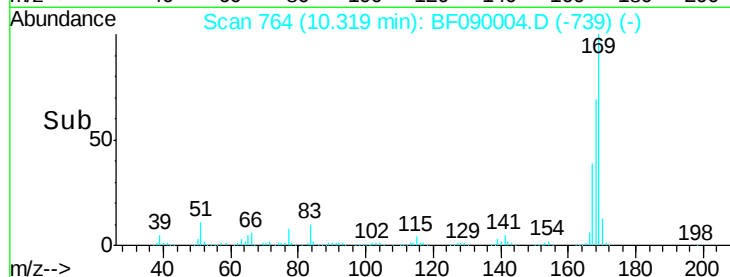
167 38.6 30.5 45.7



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 45.15 ng

RT: 10.67 min Scan# 795

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

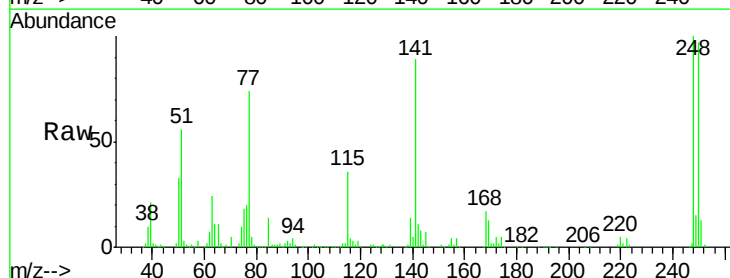
Tgt Ion:248 Resp: 345224

Ion Ratio Lower Upper

248 100

250 97.5 77.3 115.9

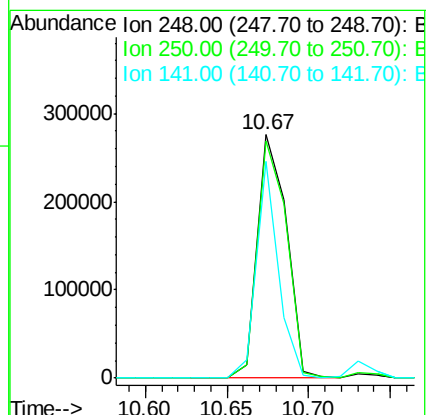
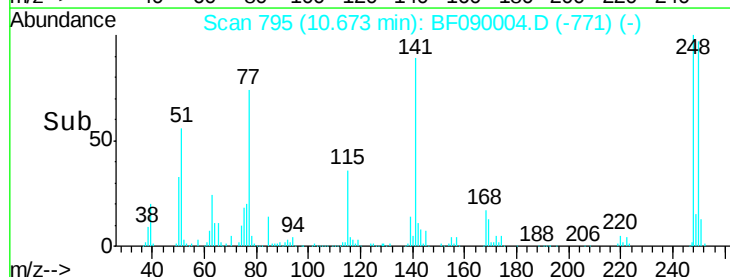
141 89.3 55.8 83.8#

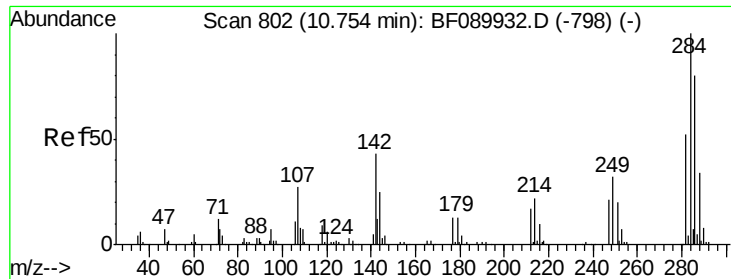


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

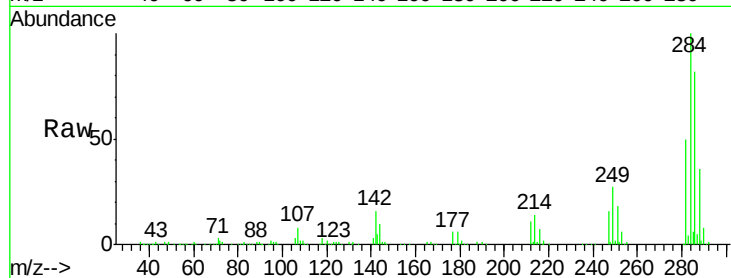




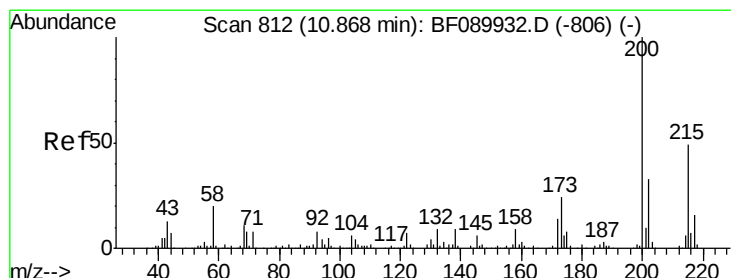
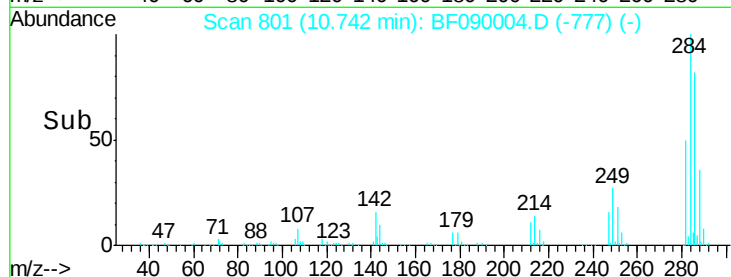
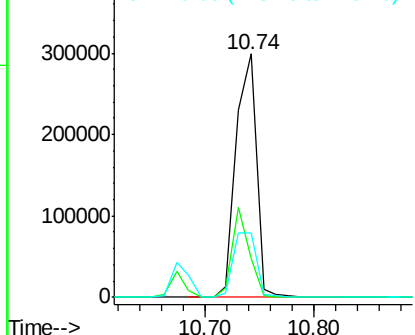
#67
Hexachlorobenzene
Concen: 44.08 ng
RT: 10.74 min Scan# 801
Delta R.T. -0.02 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

Instrument :
BNA_F
ClientSampleId :
TEMP-AB(0-2)-8MSD

Tot Ion:284 Resp: 385033
Ion Ratio Lower Upper
284 100
142 16.0 32.7 49.1#
249 26.7 26.9 40.3#

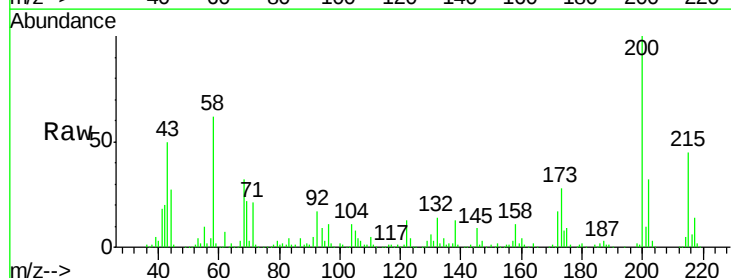


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

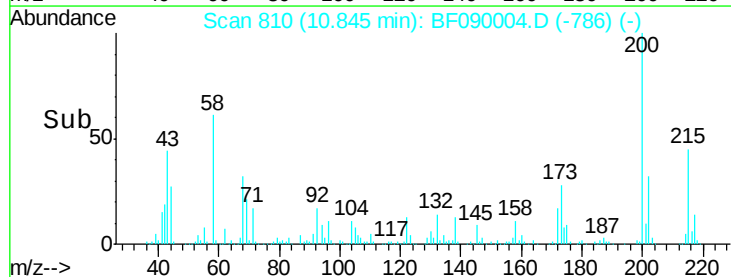
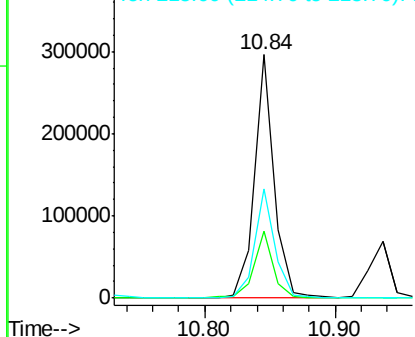


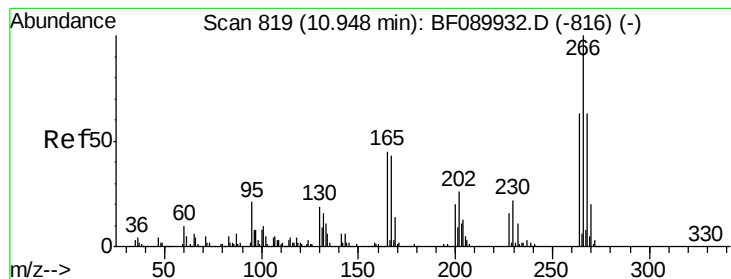
#68
Atrazine
Concen: 40.91 ng
RT: 10.84 min Scan# 810
Delta R.T. -0.02 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

Tgt Ion:200 Resp: 311885
Ion Ratio Lower Upper
200 100
173 27.8 9.4 49.4
215 44.7 24.5 64.5



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 84.98 ng

RT: 10.94 min Scan# 818

Delta R.T. -0.01 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

Instrument :

BNA_F

ClientSampleId :

TEMP-AB(0-2)-8MSD

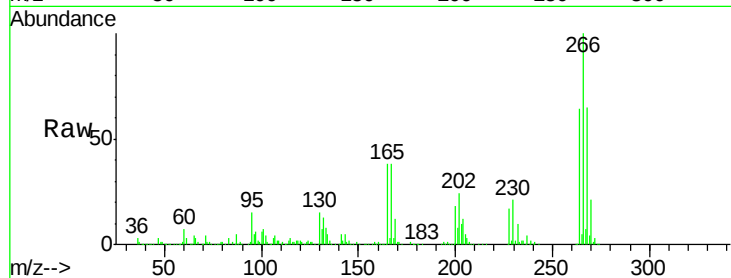
Tot Ion:266 Resp: 399355

Ion Ratio Lower Upper

266 100

268 64.9 51.0 76.6

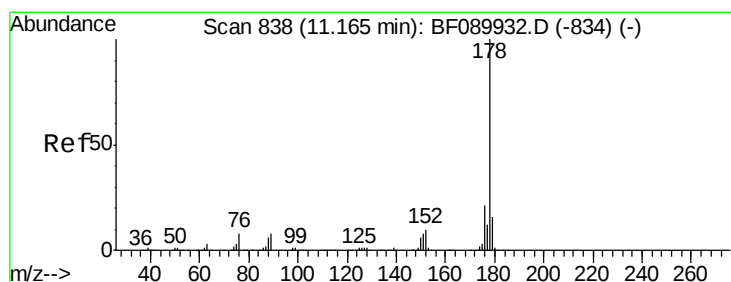
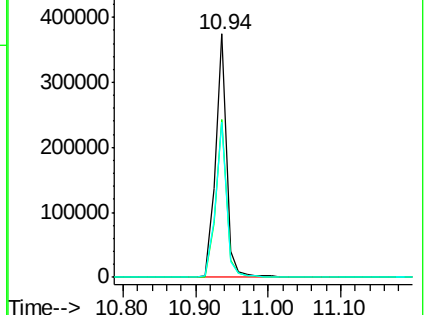
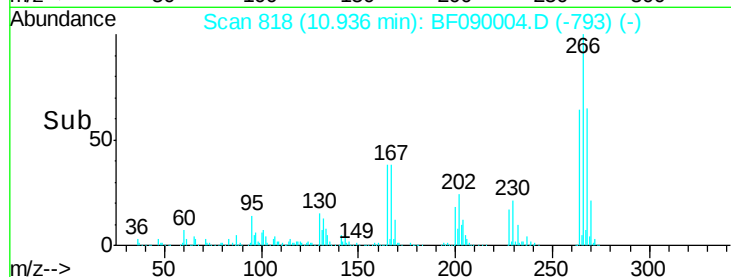
264 63.8 50.6 75.8



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 41.20 ng

RT: 11.14 min Scan# 836

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

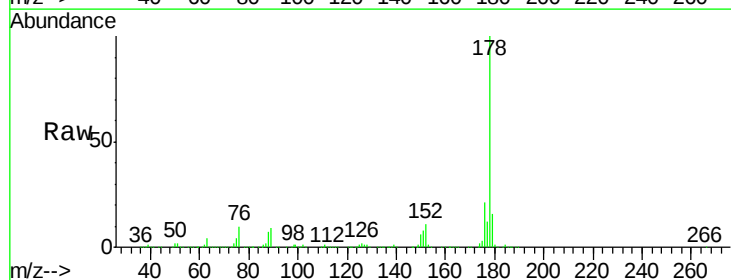
Tgt Ion:178 Resp: 1558312

Ion Ratio Lower Upper

178 100

176 20.5 16.5 24.7

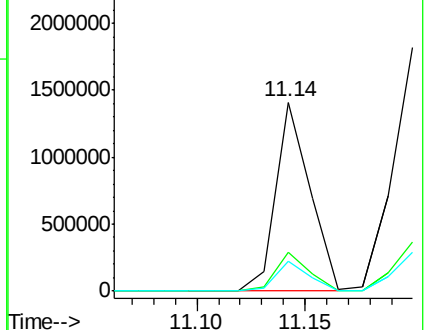
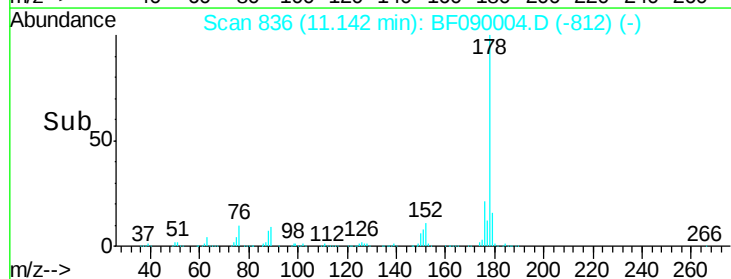
179 16.0 12.8 19.2

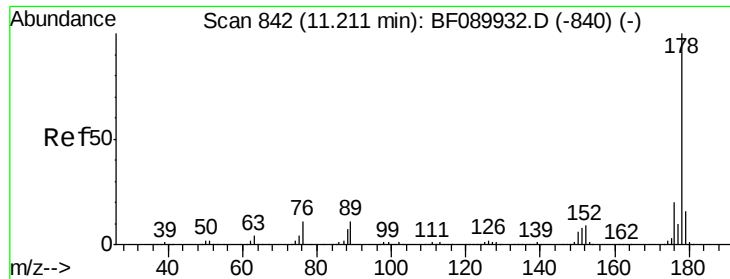


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

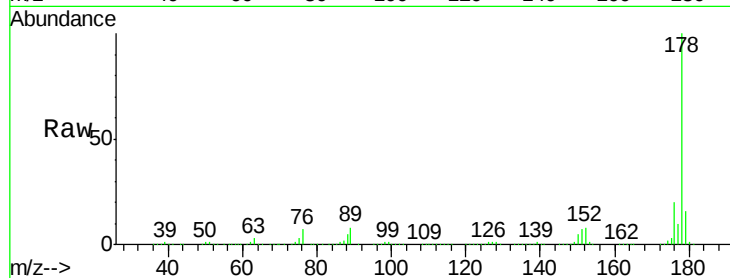




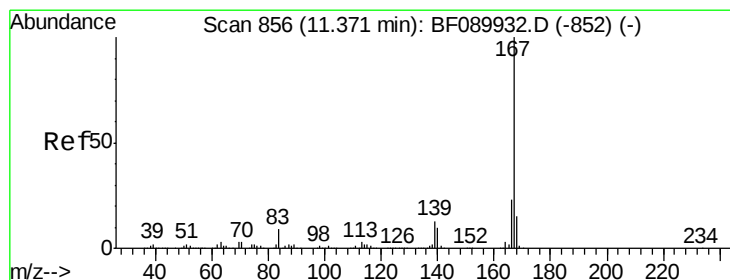
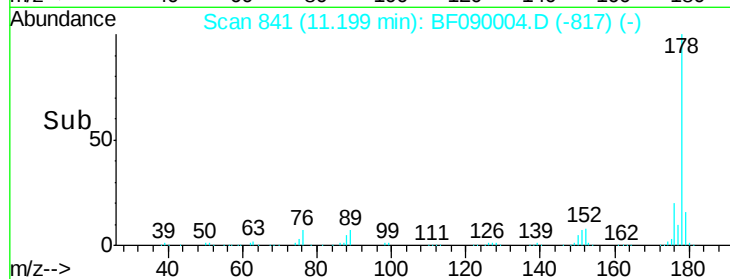
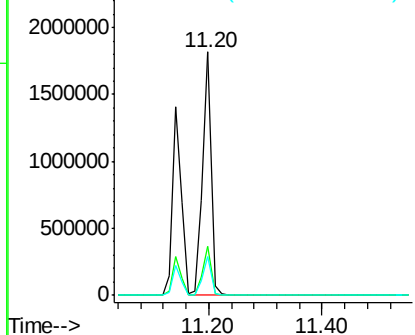
#71
 Anthracene
 Concen: 47.48 ng
 RT: 11.20 min Scan# 841
 Delta R.T. -0.02 min
 Lab File: BF090004.D
 Acq: 7 Sep 2016 14:52

Instrument :
 BNA_F
 ClientSampleId :
 TEMP-AB(0-2)-8MSD

Tot Ion:178 Resp: 1821755
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.8 23.8
 179 15.7 13.0 19.4

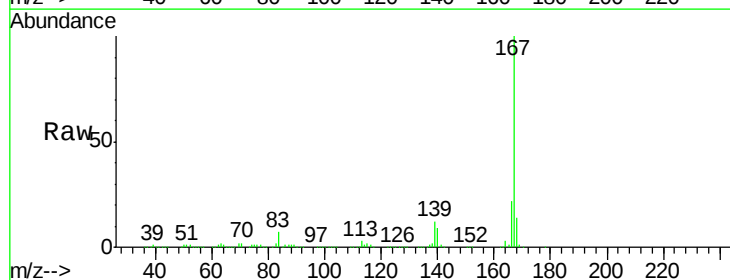


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

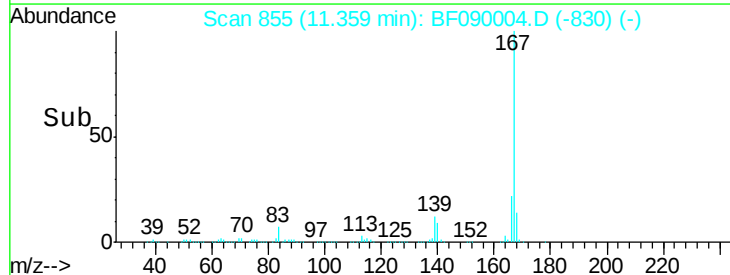
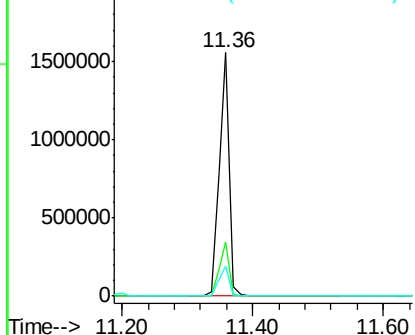


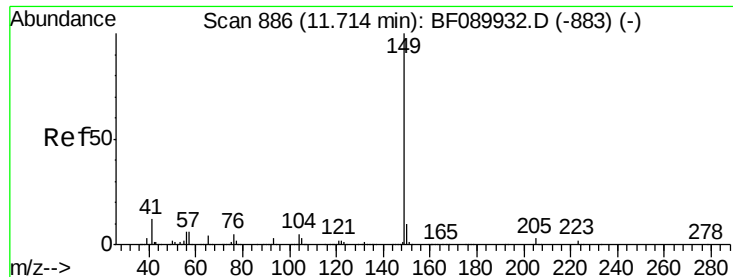
#72
 Carbazole
 Concen: 47.03 ng
 RT: 11.36 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: BF090004.D
 Acq: 7 Sep 2016 14:52

Tgt Ion:167 Resp: 1691860
 Ion Ratio Lower Upper
 167 100
 166 22.1 18.1 27.1
 139 12.3 10.4 15.6



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 46.51 ng

RT: 11.70 min Scan# 885

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

Instrument :

BNA_F

ClientSampleId :

TEMP-AB(0-2)-8MSD

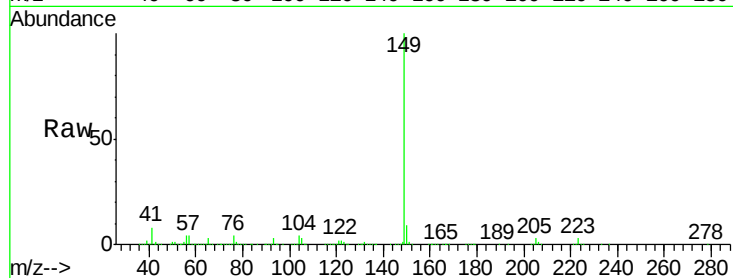
Tot Ion:149 Resp: 1950119

Ion Ratio Lower Upper

149 100

150 9.3 7.8 11.8

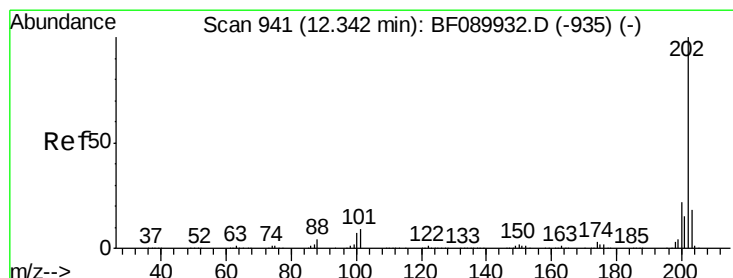
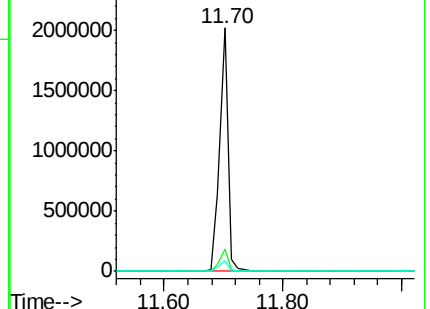
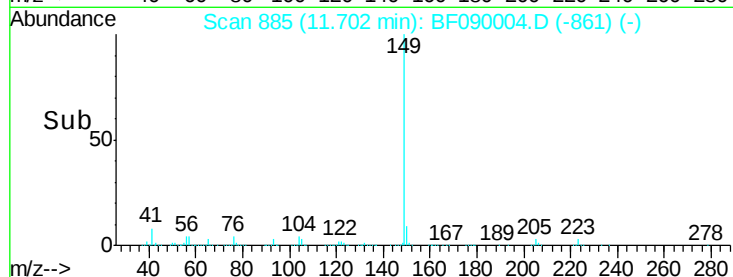
104 4.3 3.9 5.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 41.37 ng

RT: 12.32 min Scan# 939

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

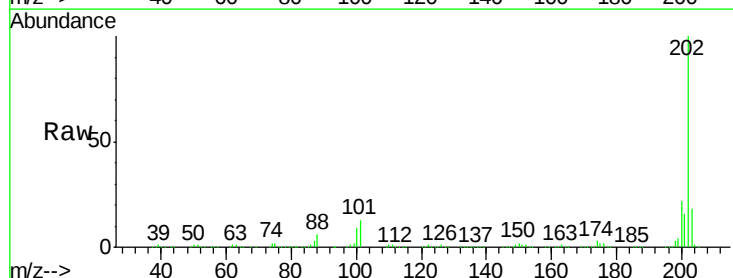
Tgt Ion:202 Resp: 1640109

Ion Ratio Lower Upper

202 100

101 12.6 0.0 28.5

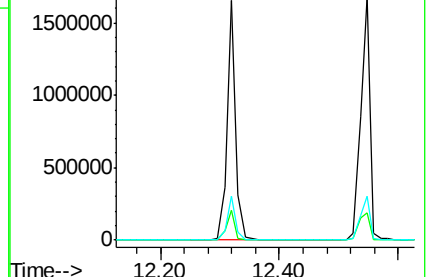
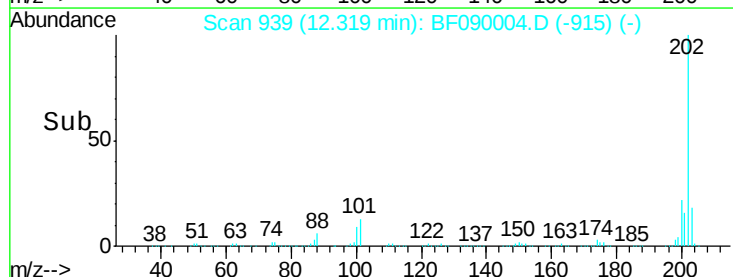
203 18.1 0.0 38.0

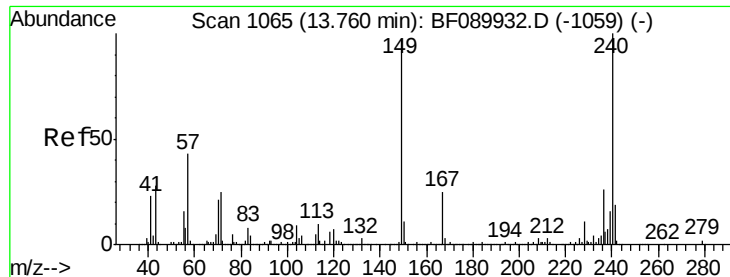


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

Instrument :

BNA_F

ClientSampleId :

TEMP-AB(0-2)-8MSD

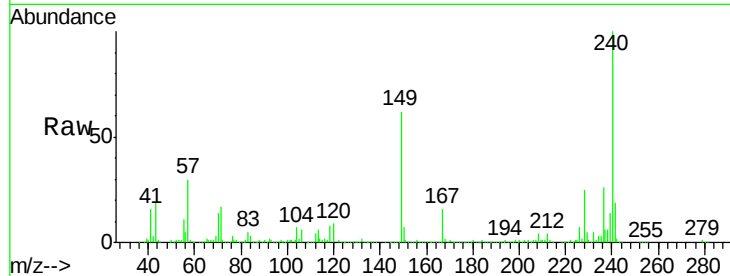
Tot Ion:240 Resp: 524227

Ion Ratio Lower Upper

240 100

120 9.0 5.7 8.5#

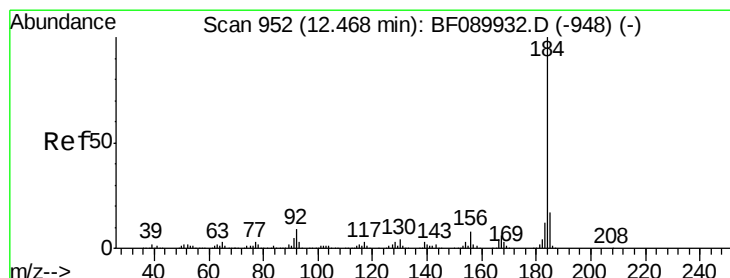
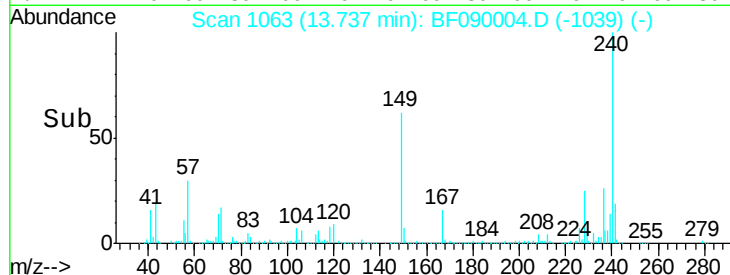
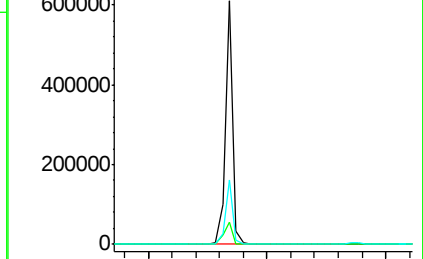
236 26.4 21.3 31.9



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 34.59 ng

RT: 12.46 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

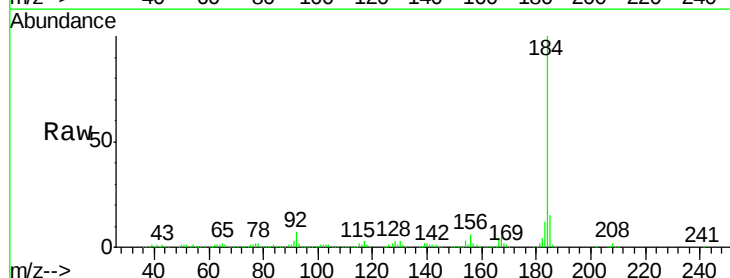
Tgt Ion:184 Resp: 686854

Ion Ratio Lower Upper

184 100

185 14.6 13.8 20.8

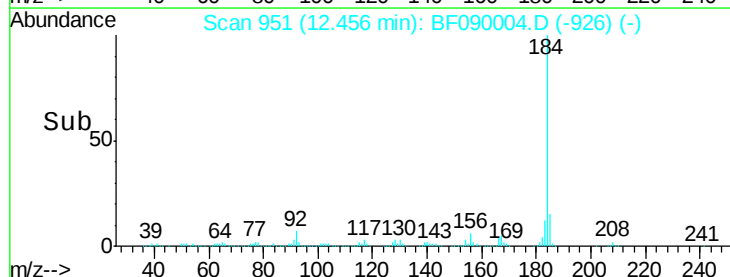
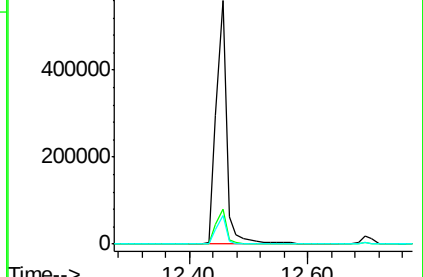
183 11.8 9.6 14.4

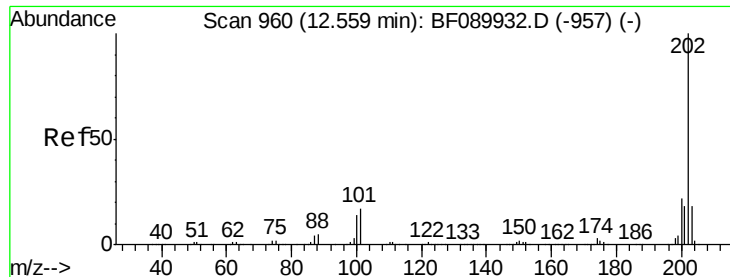


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

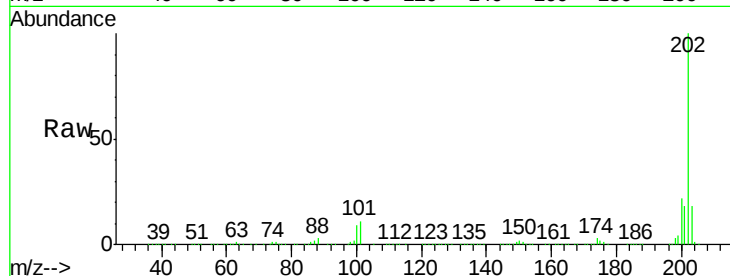




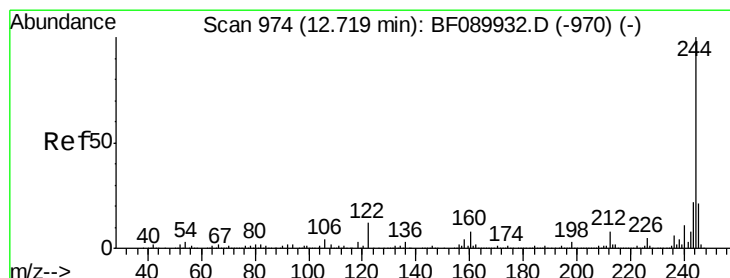
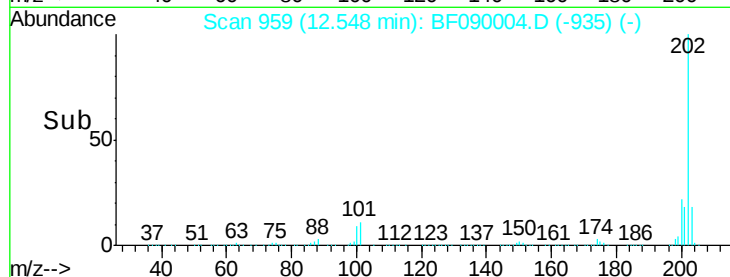
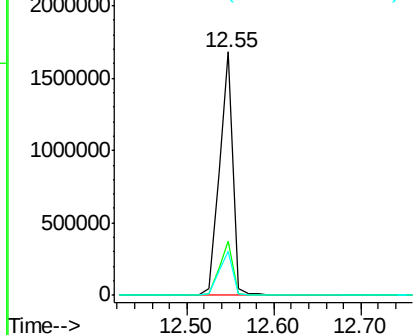
#77
Pvrene
Concen: 49.41 ng
RT: 12.55 min Scan# 959
Delta R.T. -0.02 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

Instrument :
BNA_F
ClientSampleId :
TEMP-AB(0-2)-8MSD

Tot Ion:202 Resp: 1826439
Ion Ratio Lower Upper
202 100
200 22.4 17.6 26.4
203 17.9 14.6 21.8

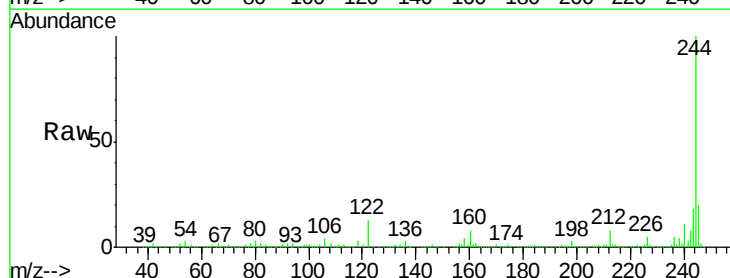


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

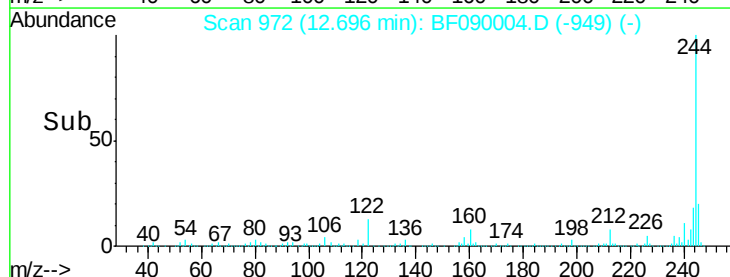
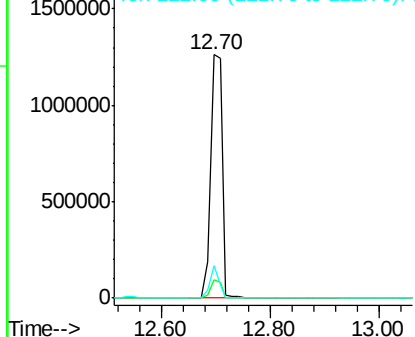


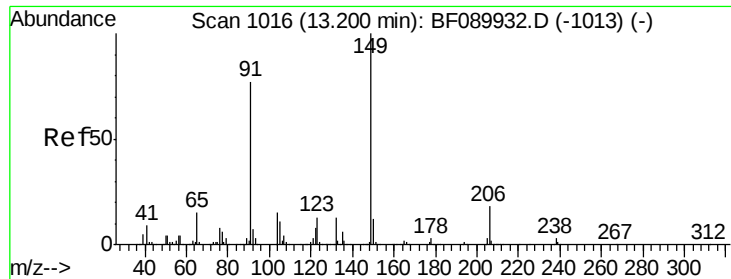
#78
Terphenyl-d14
Concen: 89.36 ng
RT: 12.70 min Scan# 972
Delta R.T. -0.03 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

Tgt Ion:244 Resp: 1896316
Ion Ratio Lower Upper
244 100
212 7.7 6.1 9.1
122 13.5 9.6 14.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

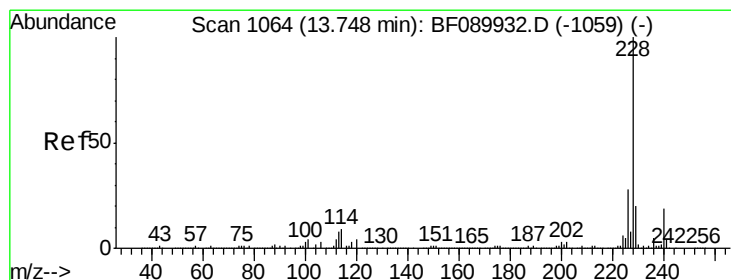
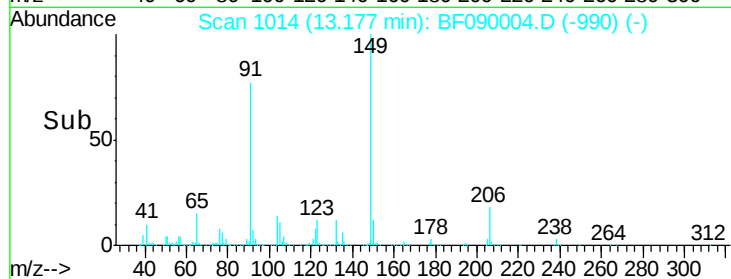
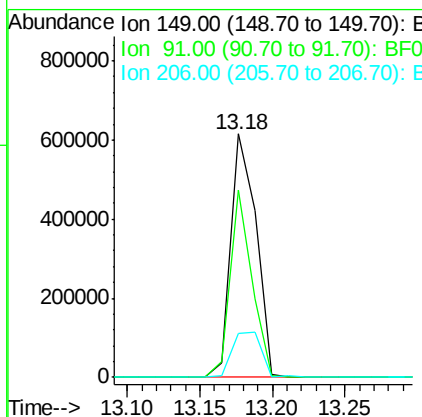
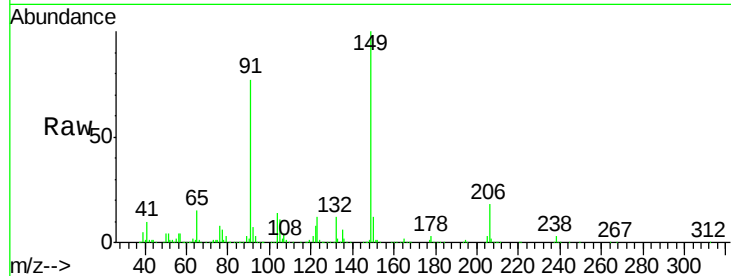




#79
Butylbenzylphthalate
Concen: 49.96 ng
RT: 13.18 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

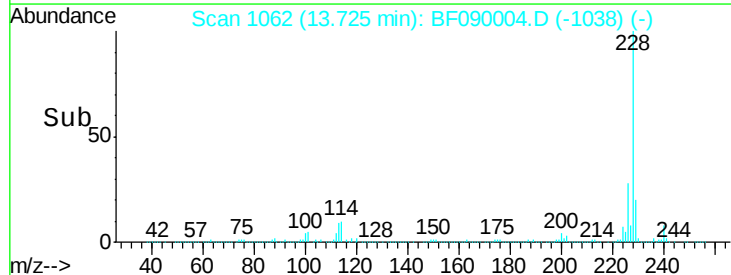
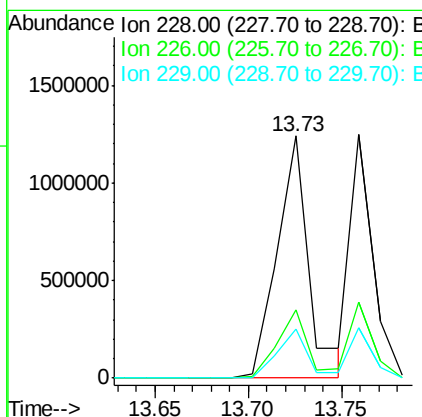
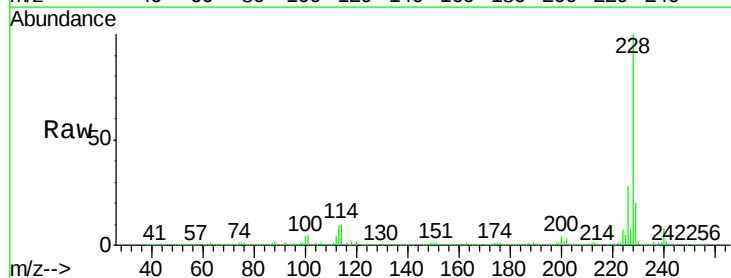
Instrument :
BNA_F
ClientSampleId :
TEMP-AB(0-2)-8MSD

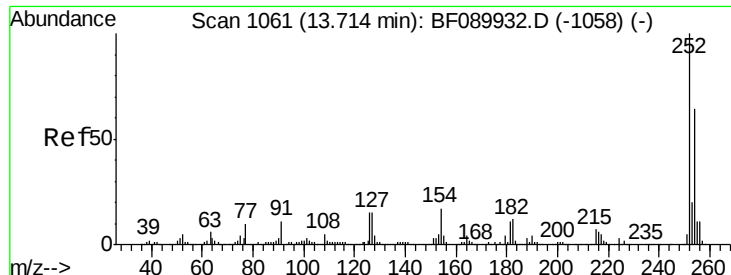
Tot Ion:149 Resp: 744733
Ion Ratio Lower Upper
149 100
91 76.8 60.0 90.0
206 17.8 15.1 22.7



#80
Benzo(a)anthracene
Concen: 45.43 ng
RT: 13.73 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

Tgt Ion:228 Resp: 1458645
Ion Ratio Lower Upper
228 100
226 28.3 22.2 33.2
229 20.4 15.8 23.6

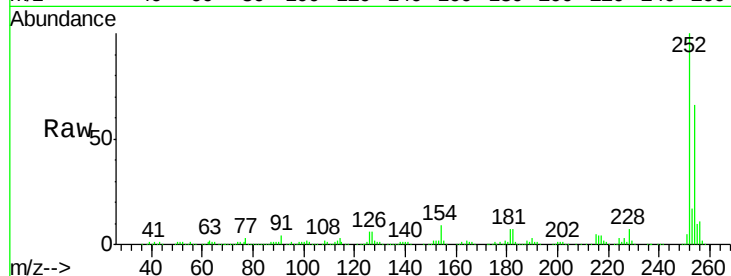




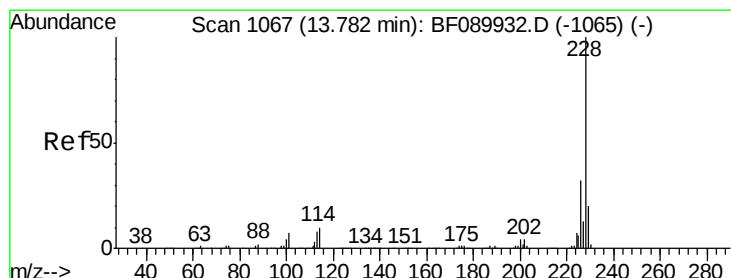
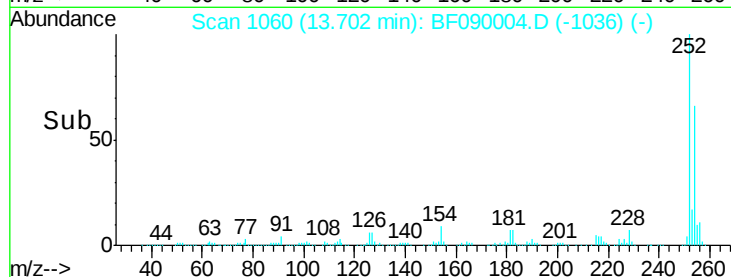
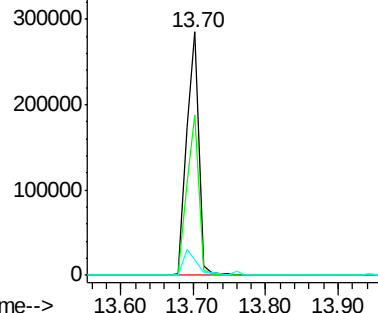
#81
 3,3'-Dichlorobenzidine
 Concen: 28.59 ng
 RT: 13.70 min Scan# 1060
 Delta R.T. -0.02 min
 Lab File: BF090004.D
 Acq: 7 Sep 2016 14:52

Instrument :
 BNA_F
 ClientSampleId :
 TEMP-AB(0-2)-8MSD

Tot Ion:252 Resp: 331393
 Ion Ratio Lower Upper
 252 100
 254 65.9 51.3 76.9
 126 6.2 12.3 18.5#

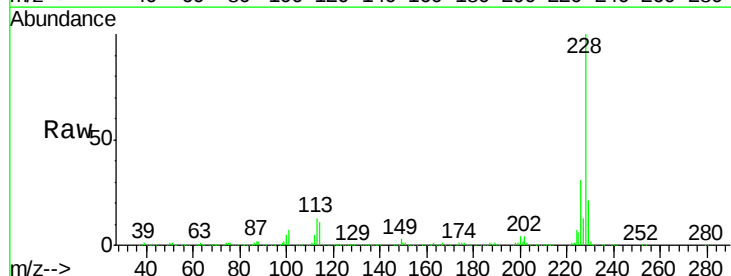


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

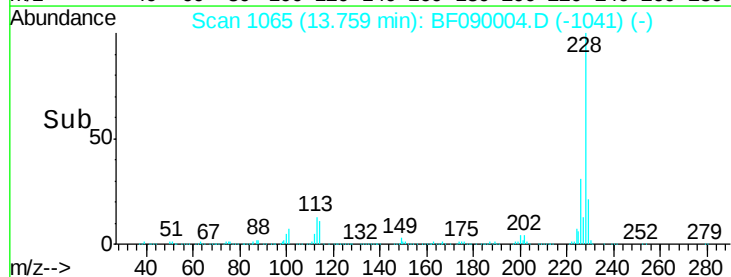
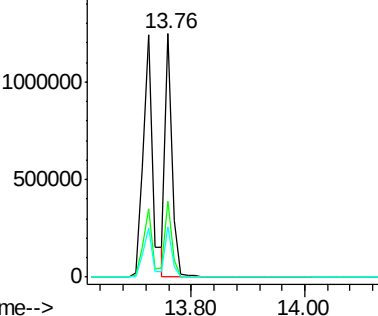


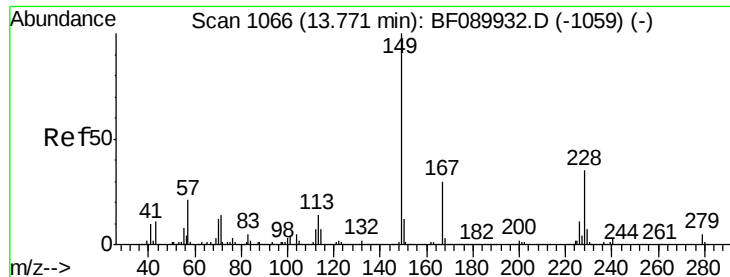
#82
 Chrysene
 Concen: 36.56 ng
 RT: 13.76 min Scan# 1065
 Delta R.T. -0.02 min
 Lab File: BF090004.D
 Acq: 7 Sep 2016 14:52

Tgt Ion:228 Resp: 1096672
 Ion Ratio Lower Upper
 228 100
 226 31.4 25.2 37.8
 229 20.5 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 45.94 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

Instrument :

BNA_F

ClientSampleId :

TEMP-AB(0-2)-8MSD

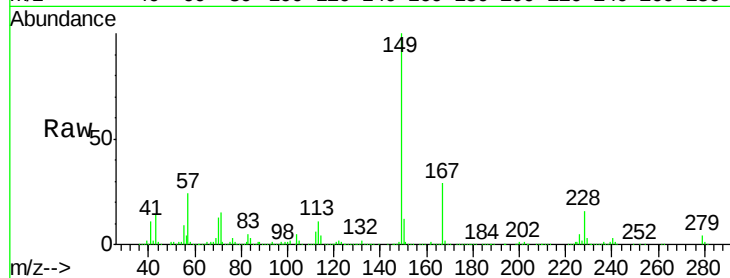
Tot Ion:149 Resp: 947074

Ion Ratio Lower Upper

149 100

167 28.7 23.6 35.4

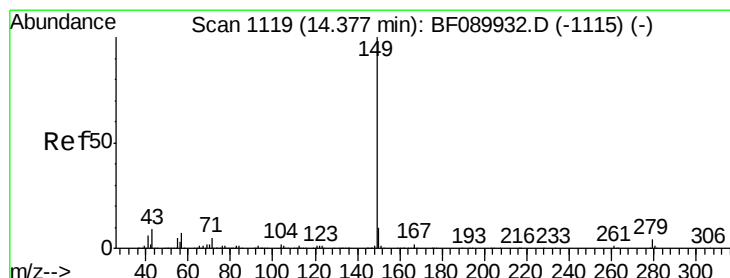
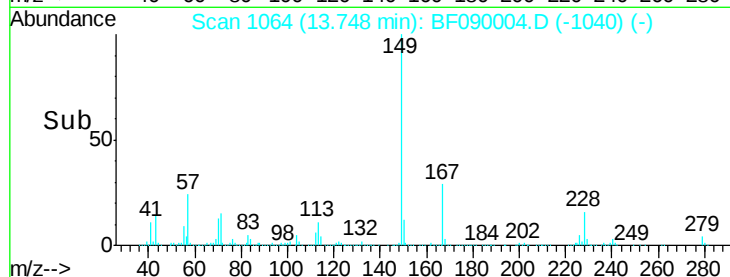
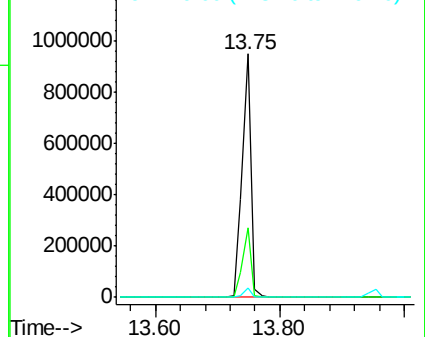
279 4.1 3.4 5.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 45.49 ng

RT: 14.35 min Scan# 1117

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

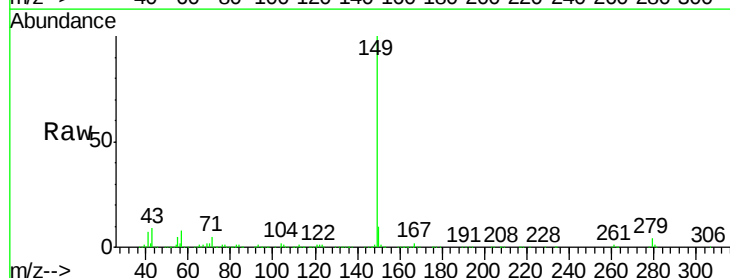
Tgt Ion:149 Resp: 1513791

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

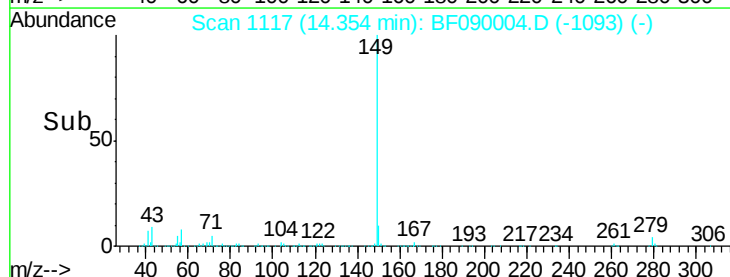
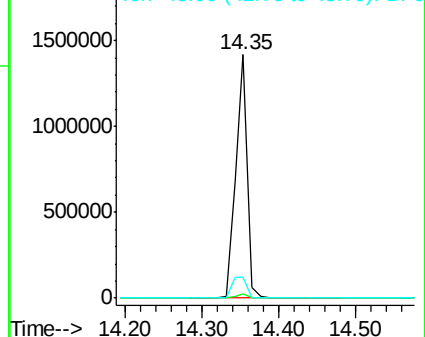
43 11.2 9.3 13.9

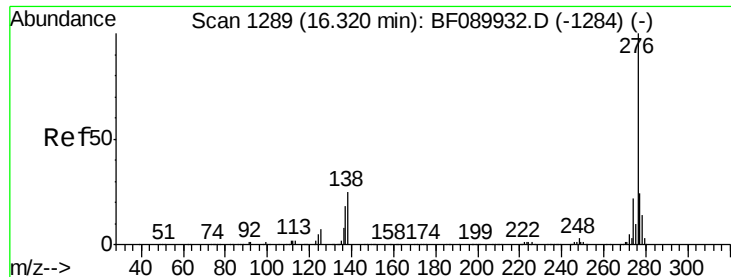


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0





#85

Indeno(1,2,3-cd)pyrene

Concen: 58.29 ng

RT: 16.30 min Scan# 1287

Delta R.T. -0.03 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

Instrument :

BNA_F

ClientSampleId :

TEMP-AB(0-2)-8MSD

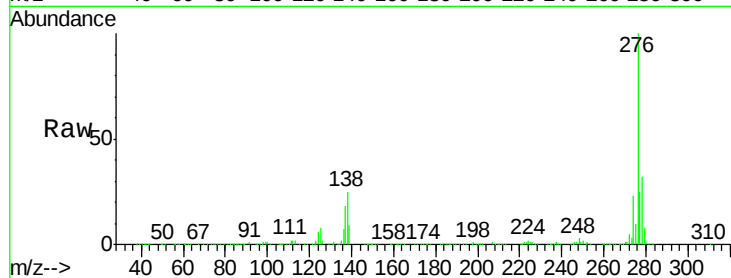
Tot Ion:276 Resp: 1292405

Ion Ratio Lower Upper

276 100

138 27.7 22.6 34.0

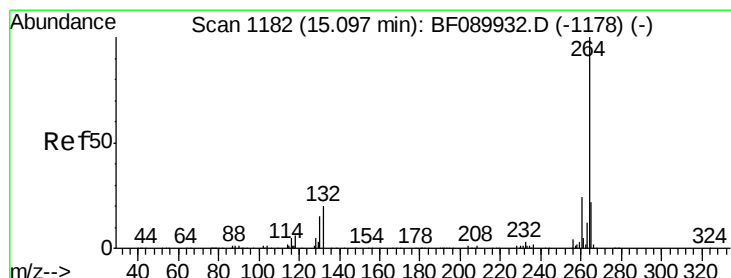
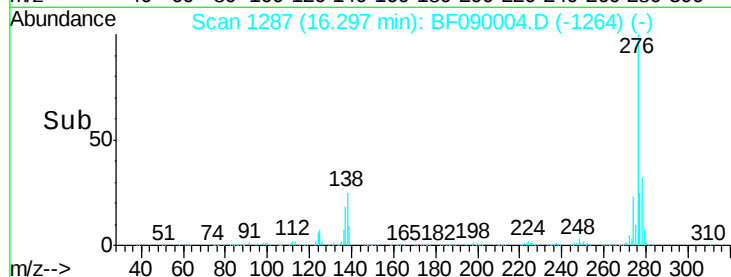
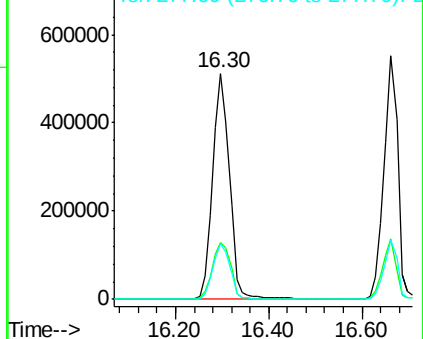
277 25.4 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.07 min Scan# 1180

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

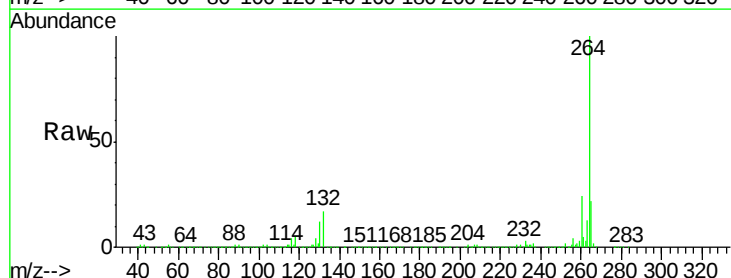
Tgt Ion:264 Resp: 450083

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.0

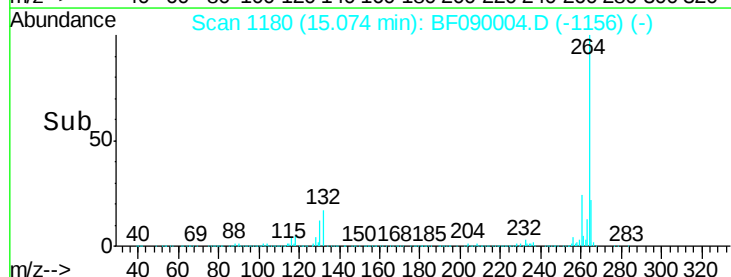
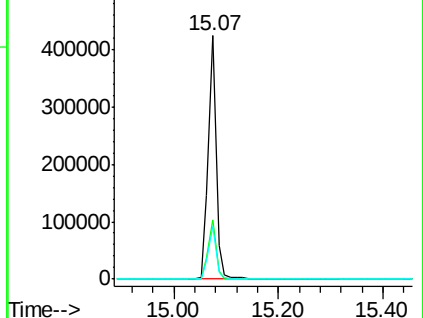
265 21.9 17.4 26.2

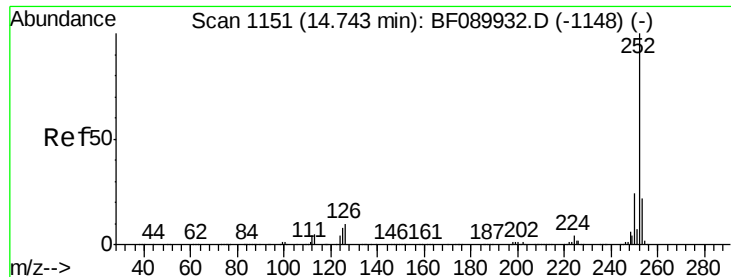


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 81.98 ng

RT: 14.74 min Scan# 1151

Delta R.T. 0.00 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

Instrument :

BNA_F

ClientSampleId :

TEMP-AB(0-2)-8MSD

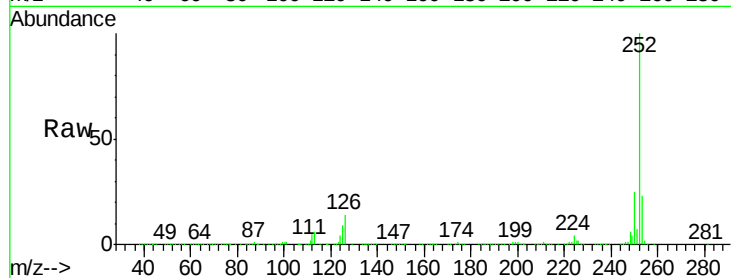
Tot Ion:252 Resp: 2311555

Ion Ratio Lower Upper

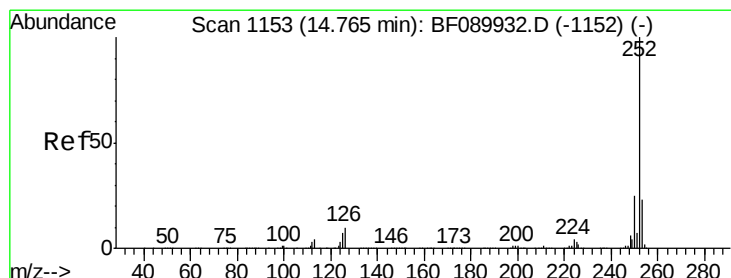
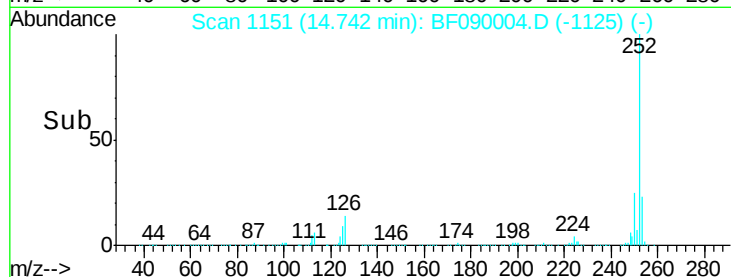
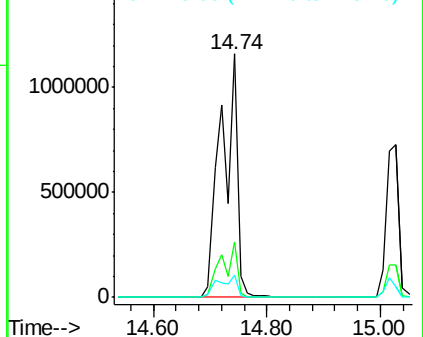
252 100

253 22.6 18.0 27.0

125 9.3 5.7 8.5#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 96.61 ng

RT: 14.74 min Scan# 1151

Delta R.T. -0.02 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

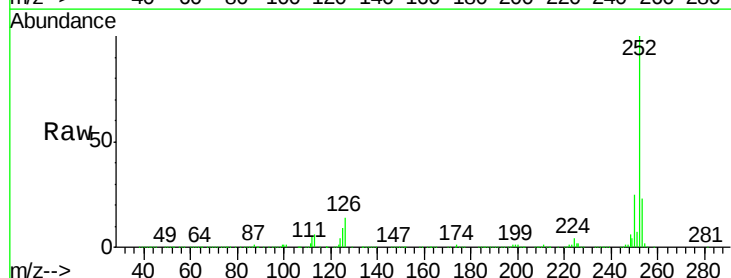
Tgt Ion:252 Resp: 2311555

Ion Ratio Lower Upper

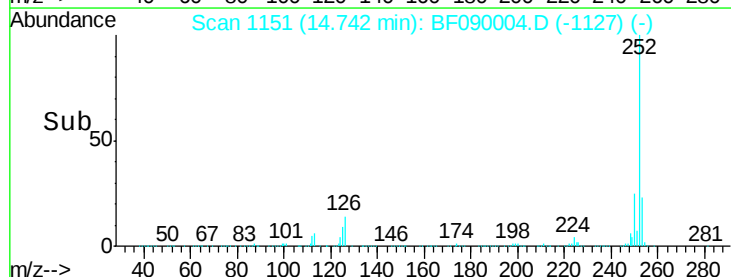
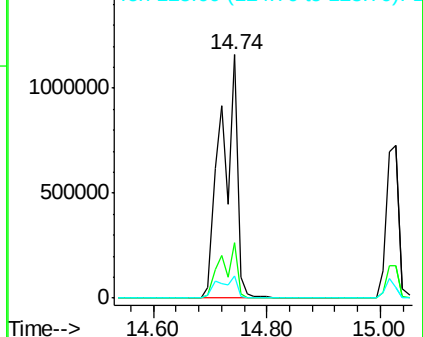
252 100

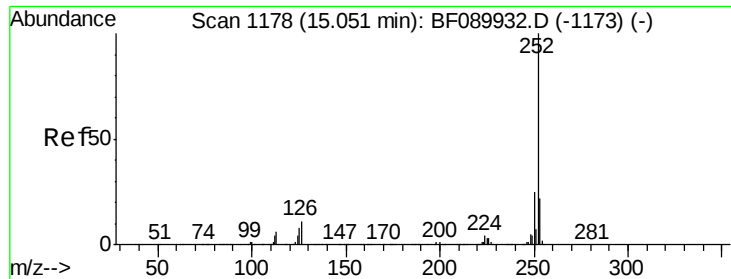
253 22.6 17.8 26.8

125 9.3 7.3 10.9



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

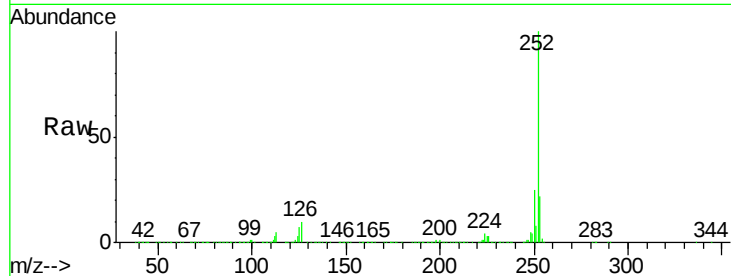




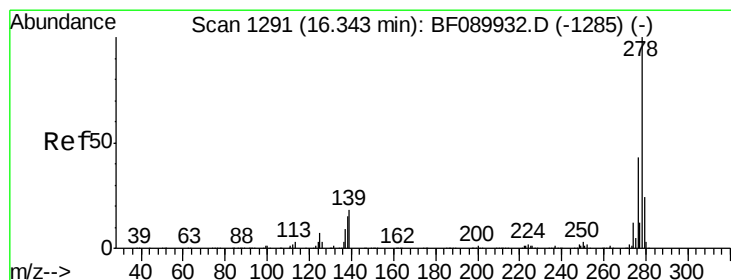
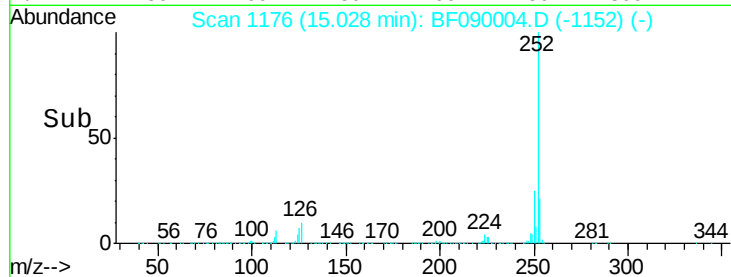
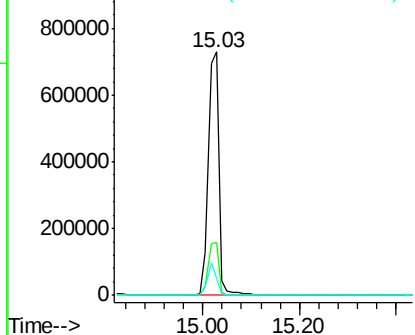
#89
Benzo(a)pyrene
Concen: 46.66 ng
RT: 15.03 min Scan# 1176
Delta R.T. -0.02 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

Instrument :
BNA_F
ClientSampleId :
TEMP-AB(0-2)-8MSD

Tot Ion:252 Resp: 1127195
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 6.9 6.3 9.5

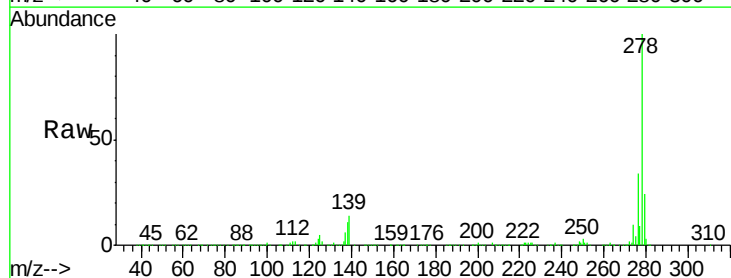


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

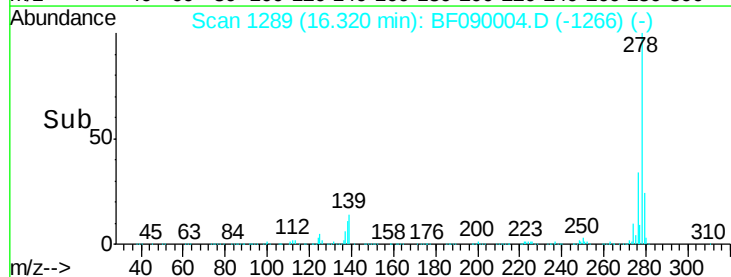
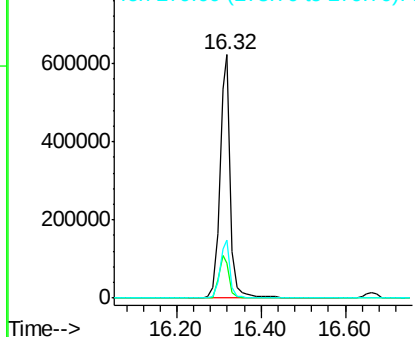


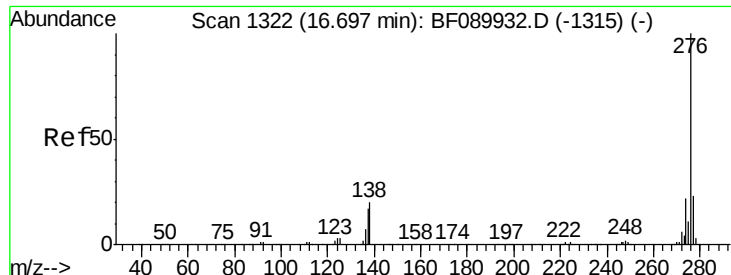
#90
Dibenzo(a,h)anthracene
Concen: 60.96 ng
RT: 16.32 min Scan# 1289
Delta R.T. -0.03 min
Lab File: BF090004.D
Acq: 7 Sep 2016 14:52

Tgt Ion:278 Resp: 1079072
Ion Ratio Lower Upper
278 100
139 14.3 13.4 20.2
279 24.0 19.4 29.2



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 63.72 ng

RT: 16.66 min Scan# 1319

Delta R.T. -0.05 min

Lab File: BF090004.D

Acq: 7 Sep 2016 14:52

Instrument :

BNA_F

ClientSampleId :

TEMP-AB(0-2)-8MSD

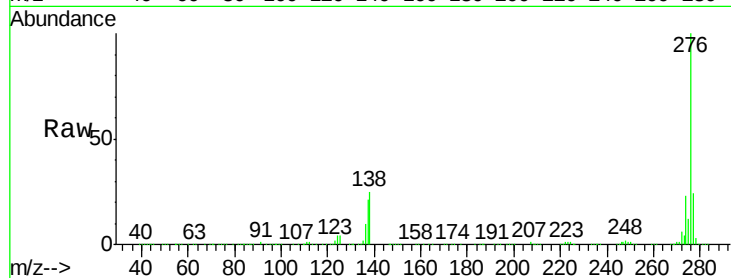
Tot Ion:276 Resp: 1135234

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.4

138 25.1 16.4 24.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

