

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
 Data File : BF089147.D
 Acq On : 20 Jul 2016 22:53
 Operator : UM/SJ
 Sample : PB92306BS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB92306BS

Quant Time: Jul 21 01:40:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 19:03:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	54685	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	235111	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	113827	20.00	ng	0.00
63) Phenanthrene-d10	11.11	188	217339	20.00	ng	0.00
75) Chrysene-d12	13.73	240	153945	20.00	ng	0.00
86) Perylene-d12	15.07	264	129592	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.21	112	442479	123.06	ng	0.02
7) Phenol-d6	6.27	99	573079	123.59	ng	0.00
23) Nitrobenzene-d5	7.18	82	362614	81.95	ng	0.00
41) 2,4,6-Tribromophenol	10.42	330	115126	112.34	ng	0.00
44) 2-Fluorobiphenyl	8.97	172	694339	84.05	ng	0.00
78) Terphenyl-d14	12.68	244	548694	77.31	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.16	88	49442	31.67	ng	91
3) Pyridine	2.78	79	133384	33.63	ng	98
4) n-Nitrosodimethylamine	2.74	42	63577	38.08	ng	98
6) Aniline	6.27	93	120181	19.18	ng	# 50
8) 2-Chlorophenol	6.39	128	161964	40.59	ng	83
9) Benzaldehyde	6.15	77	45052	15.86	ng	98
10) Phenol	6.28	94	214510	40.15	ng	97
11) bis(2-Chloroethyl)ether	6.35	93	169399	42.22	ng	100
12) 1,3-Dichlorobenzene	6.54	146	165414	37.54	ng	98
13) 1,4-Dichlorobenzene	6.62	146	176773	39.84	ng	97
14) 1,2-Dichlorobenzene	6.78	146	154147	36.84	ng	97
15) Benzyl Alcohol	6.76	79	151748	44.69	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.89	45	172943	37.83	ng	90
17) 2-Methylphenol	6.89	107	132643	42.20	ng	99
18) Hexachloroethane	7.11	117	64839	38.87	ng	92
19) n-Nitroso-di-n-propylamine	7.03	70	118020	38.92	ng	# 90
20) 3+4-Methylphenols	7.04	107	178128	41.75	ng	# 87
22) Acetophenone	7.03	105	241205	38.42	ng	# 97
24) Nitrobenzene	7.20	77	172570	36.98	ng	95
25) Isophorone	7.44	82	326535	40.04	ng	98
26) 2-Nitrophenol	7.51	139	86414	39.70	ng	94
27) 2,4-Dimethylphenol	7.56	122	145326	39.63	ng	98
28) bis(2-Chloroethoxy)methane	7.66	93	209102	40.99	ng	99
29) 2,4-Dichlorophenol	7.76	162	140108	42.39	ng	96
30) 1,2,4-Trichlorobenzene	7.83	180	137343	37.54	ng	# 96
31) Naphthalene	7.91	128	496513	39.13	ng	100
32) Benzoic acid	7.72	122	87573	31.05	ng	92
33) 4-Chloroaniline	7.96	127	55265	10.36	ng	# 91
34) Hexachlorobutadiene	8.03	225	75839	37.25	ng	98
35) Caprolactam	8.41	113	10737	10.46	ng	92
36) 4-Chloro-3-methylphenol	8.47	107	159955	40.17	ng	99
37) 2-Methylnaphthalene	8.59	142	311265	38.46	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.76	216	131519	31.09	ng	96
40) Hexachlorocyclopentadiene	8.75	237	121944	85.45	ng	99

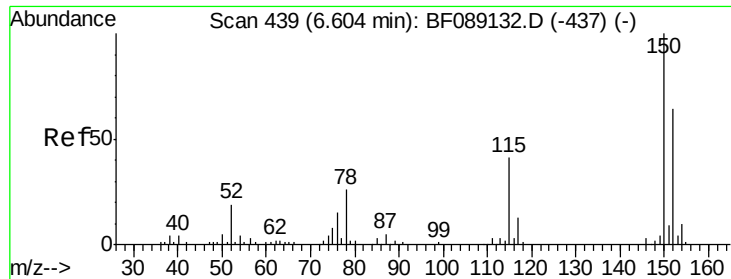
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.89	196	94594	39.95	ng	100
43) 2,4,5-Trichlorophenol	8.94	196	100464	42.27	ng	96
45) 1,1'-Biphenyl	9.06	154	368152	35.91	ng	99
46) 2-Chloronaphthalene	9.08	162	300962	38.64	ng	97
47) 2-Nitroaniline	9.19	65	92518	34.62	ng	97
48) Acenaphthylene	9.50	152	485155	39.62	ng	100
49) Dimethylphthalate	9.38	163	371525	42.53	ng	100
50) 2,6-Dinitrotoluene	9.44	165	84285	42.74	ng	99
51) Acenaphthene	9.67	154	291994	40.31	ng	99
52) 3-Nitroaniline	9.60	138	42333	18.08	ng	# 72
53) 2,4-Dinitrophenol	9.71	184	70995	71.60	ng	# 86
54) Dibenzofuran	9.84	168	413109	42.20	ng	99
55) 4-Nitrophenol	9.79	139	104998	74.10	ng	# 83
56) 2,4-Dinitrotoluene	9.84	165	99930	39.34	ng	92
57) Fluorene	10.18	166	357511	43.02	ng	100
58) 2,3,4,6-Tetrachlorophenol	9.96	232	79478	46.56	ng	98
59) Diethylphthalate	10.07	149	358480	41.39	ng	99
60) 4-Chlorophenyl-phenylether	10.17	204	145770	38.43	ng	# 69
61) 4-Nitroaniline	10.23	138	83802	36.78	ng	86
62) Azobenzene	10.33	77	386672	41.08	ng	98
64) 4,6-Dinitro-2-methylphenol	10.25	198	55601	43.94	ng	95
65) n-Nitrosodiphenylamine	10.30	169	280803	38.66	ng	99
66) 4-Bromophenyl-phenylether	10.66	248	93420	43.44	ng	95
67) Hexachlorobenzene	10.72	284	85501	36.96	ng	# 54
68) Atrazine	10.83	200	90492	39.84	ng	98
69) Pentachlorophenol	10.92	266	91902	86.12	ng	98
70) Phenanthrene	11.13	178	473607	39.72	ng	100
71) Anthracene	11.19	178	521926	42.12	ng	100
72) Carbazole	11.35	167	484615	44.52	ng	99
73) Di-n-butylphthalate	11.68	149	518952	38.55	ng	100
74) Fluoranthene	12.31	202	493667	39.39	ng	99
76) Benzidine	12.44	184	156296	29.53	ng	99
77) Pyrene	12.54	202	537753	42.30	ng	100
79) Butylbenzylphthalate	13.16	149	228557	42.50	ng	98
80) Benzo(a)anthracene	13.71	228	397707	40.56	ng	100
81) 3,3'-Dichlorobenzidine	13.69	252	77909	23.96	ng	# 97
82) Chrysene	13.76	228	377080	40.26	ng	100
83) Bis(2-ethylhexyl)phthalate	13.73	149	295261	41.39	ng	98
84) Di-n-octyl phthalate	14.33	149	490204	41.65	ng	99
85) Indeno(1,2,3-cd)pyrene	16.30	276	288825	42.46	ng	100
87) Benzo(b)fluoranthene	14.74	252	683770	72.85	ng	# 91
88) Benzo(k)fluoranthene	14.74	252	683770	101.87	ng	99
89) Benzo(a)pyrene	15.02	252	306257	42.03	ng	98
90) Dibenzo(a,h)anthracene	16.31	278	237797	41.33	ng	# 95
91) Benzo(g,h,i)perylene	16.66	276	237442	40.93	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 439

Delta R.T. 0.00 min

Lab File: BF089147.D

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PB92306BS

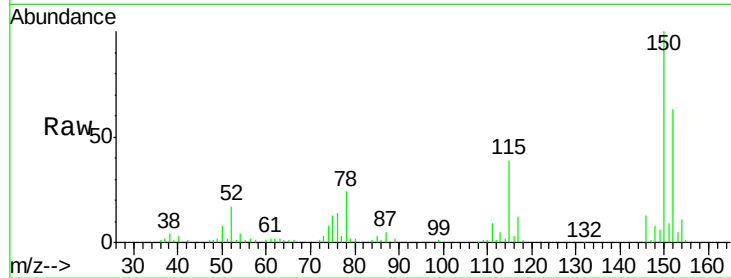
Tgt Ion:152 Resp: 54685

Ion Ratio Lower Upper

152 100

150 159.5 125.1 187.7

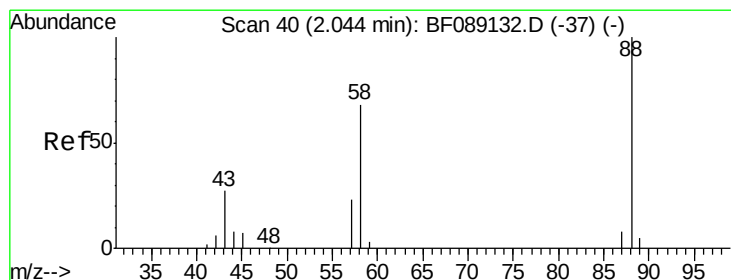
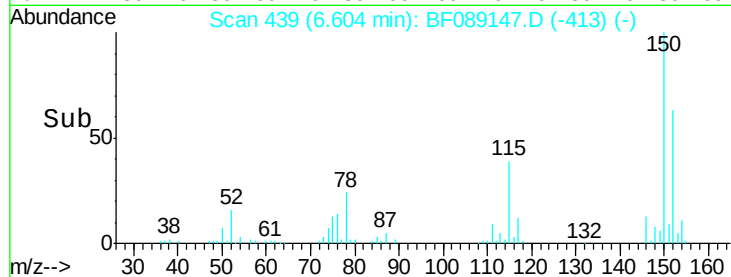
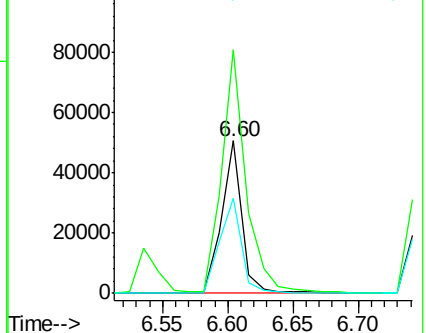
115 62.5 51.1 76.7



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: 31.67 ng

RT: 2.16 min Scan# 50

Delta R.T. 0.11 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

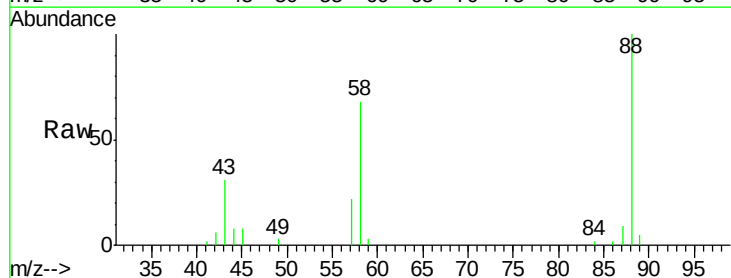
Tgt Ion: 88 Resp: 49442

Ion Ratio Lower Upper

88 100

58 68.6 49.2 73.8

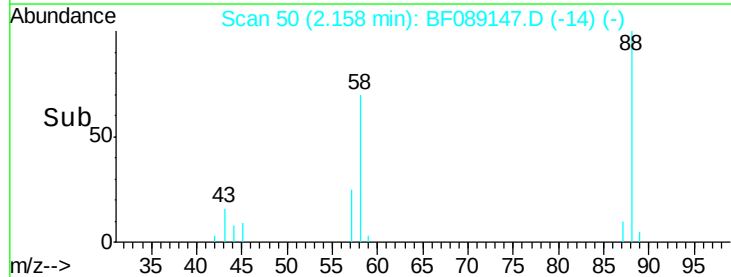
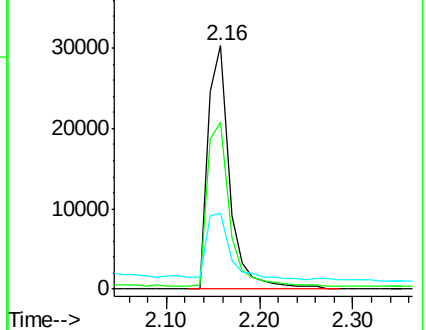
43 29.7 20.6 30.8

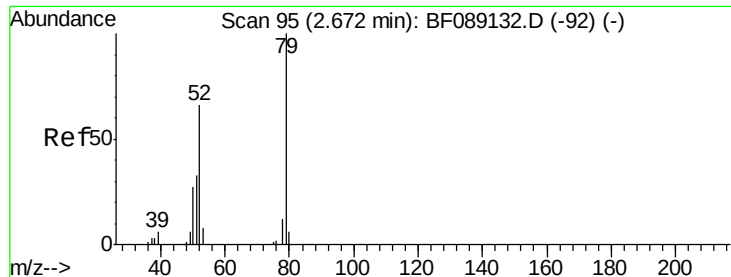


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

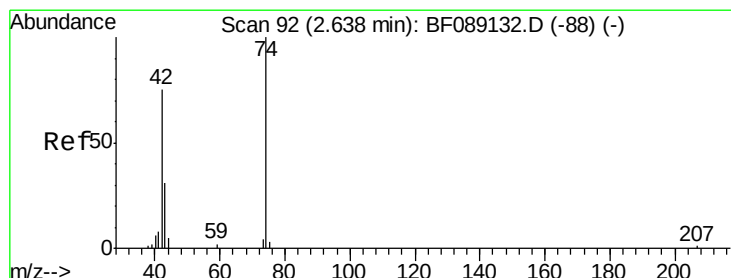
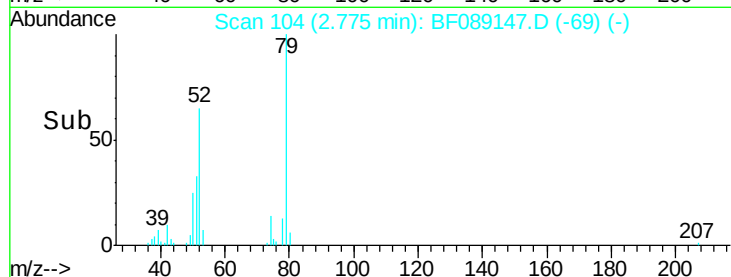
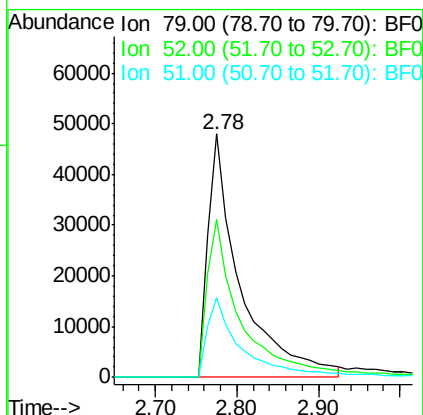
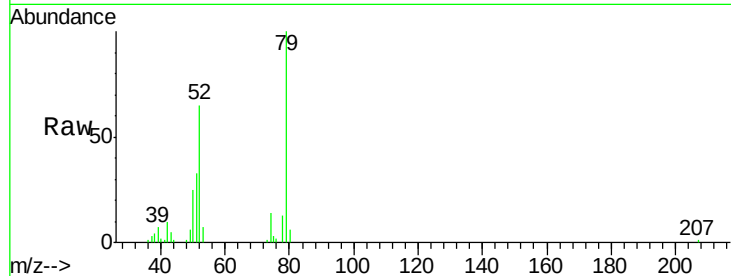




#3
 Pyridine
 Concen: 33.63 ng
 RT: 2.78 min Scan# 104
 Delta R.T. 0.10 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

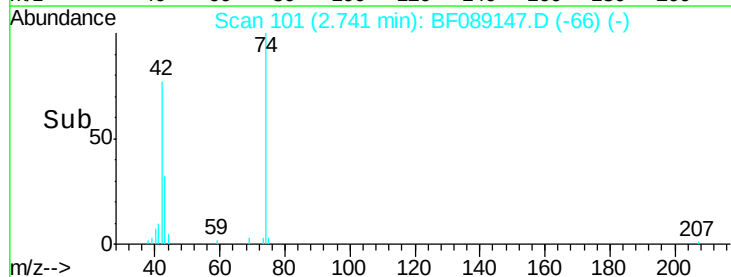
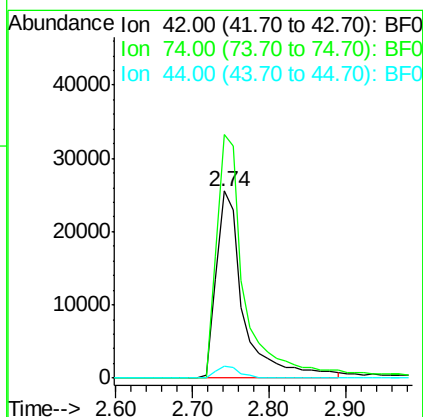
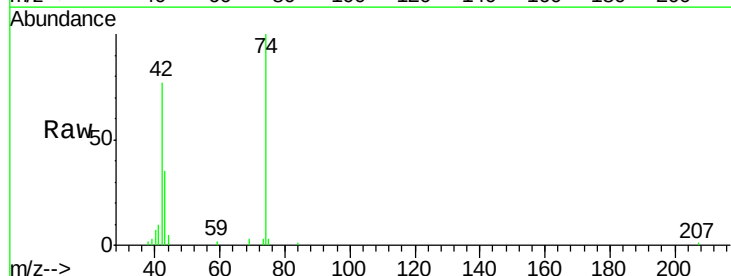
Instrument :
 BNA_F
 ClientSampleId :
 PB92306BS

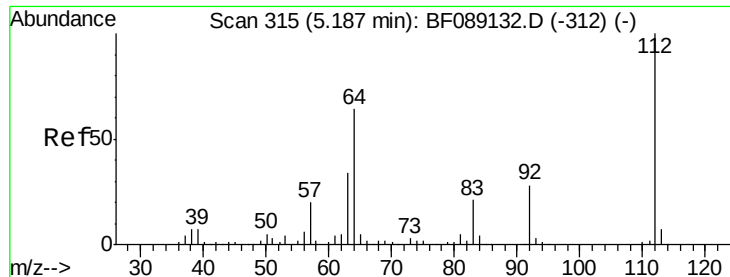
Tgt Ion: 79 Resp: 133384
 Ion Ratio Lower Upper
 79 100
 52 64.7 52.9 79.3
 51 32.6 27.0 40.6



#4
 n-Nitrosodimethylamine
 Concen: 38.08 ng
 RT: 2.74 min Scan# 101
 Delta R.T. 0.10 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

Tgt Ion: 42 Resp: 63577
 Ion Ratio Lower Upper
 42 100
 74 130.2 106.4 159.6
 44 6.4 5.2 7.8





#5

2-Fluorophenol

Concen: 123.06 ng

RT: 5.21 min Scan# 317

Delta R.T. 0.02 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

Instrument :

BNA_F

ClientSampleId :

PB92306BS

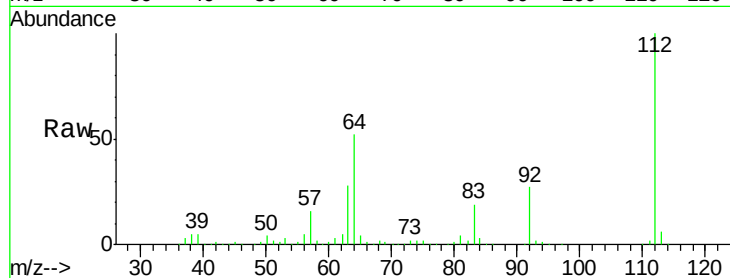
Tgt Ion: 112 Resp: 442479

Ion Ratio Lower Upper

112 100

64 51.8 51.0 76.4

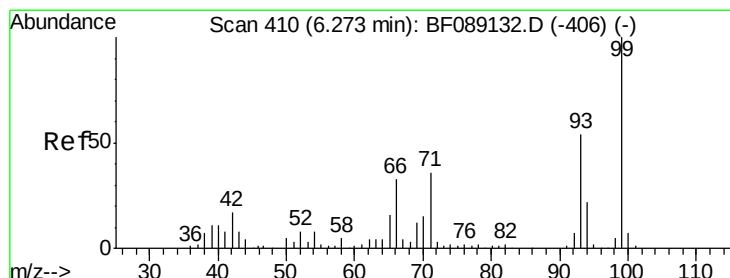
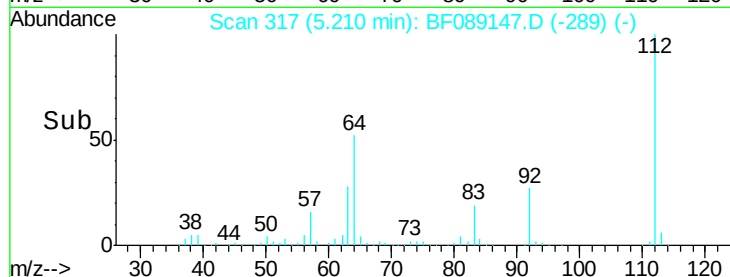
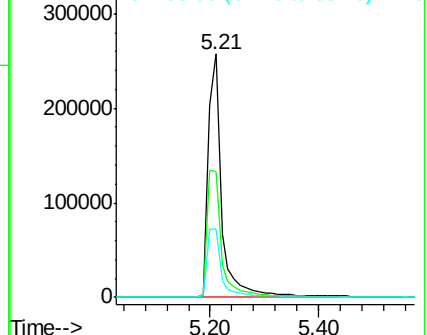
63 28.1 27.3 40.9



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: 19.18 ng

RT: 6.27 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

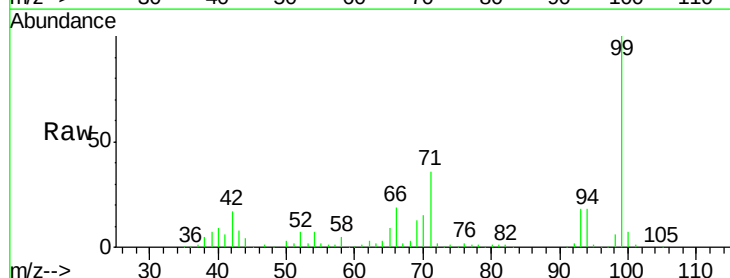
Tgt Ion: 93 Resp: 120181

Ion Ratio Lower Upper

93 100

66 102.6 48.9 73.3#

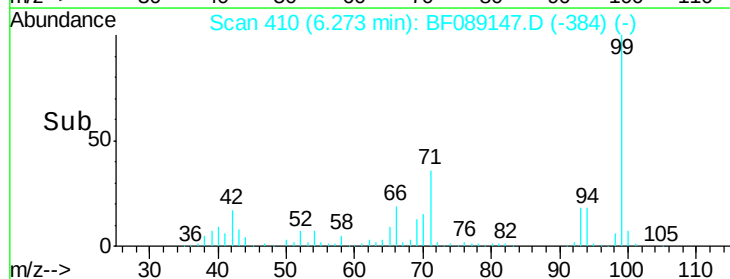
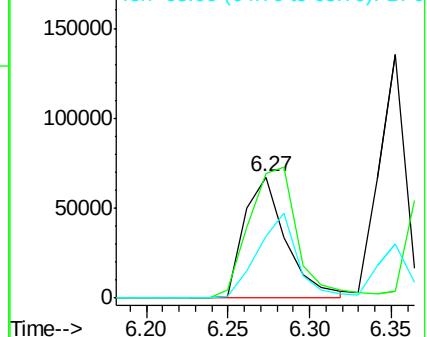
65 51.5 23.9 35.9#

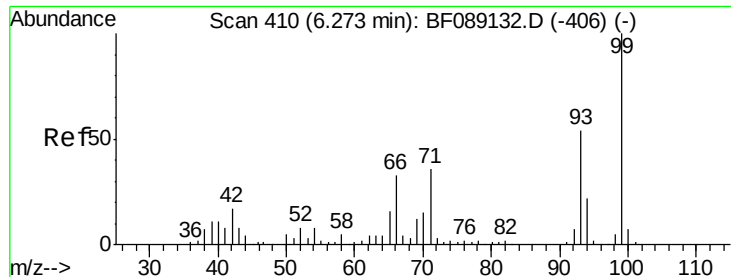


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 123.59 ng

RT: 6.27 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

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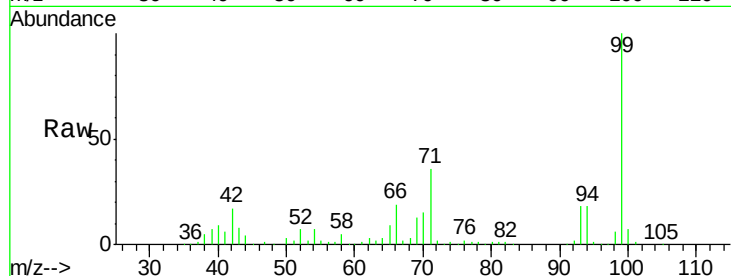
Tgt Ion: 99 Resp: 573079

Ion Ratio Lower Upper

99 100

42 16.6 13.5 20.3

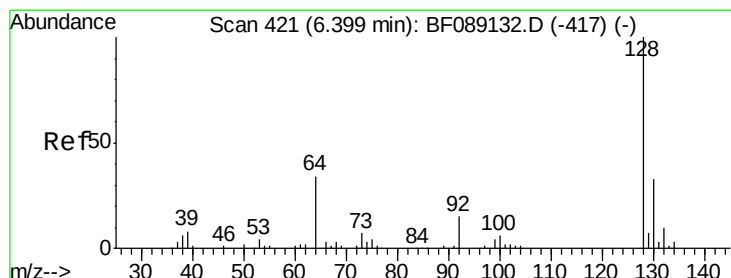
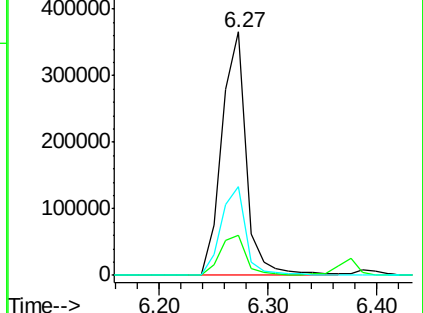
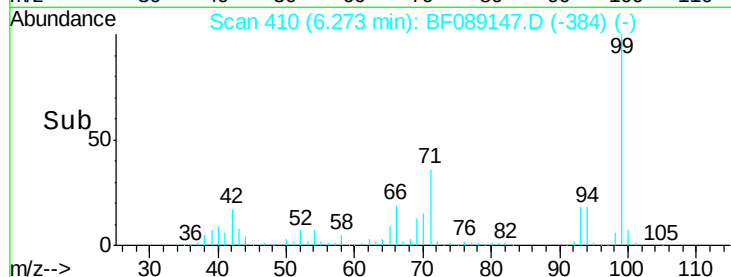
71 36.4 28.9 43.3



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: 40.59 ng

RT: 6.39 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

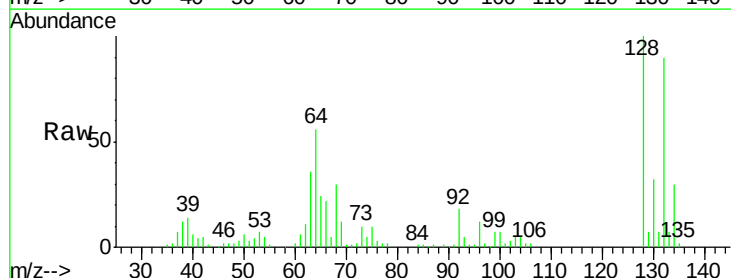
Tgt Ion: 128 Resp: 161964

Ion Ratio Lower Upper

128 100

130 32.0 12.6 52.6

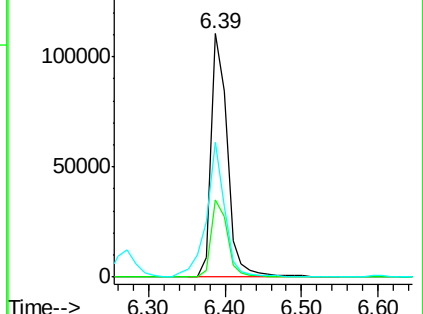
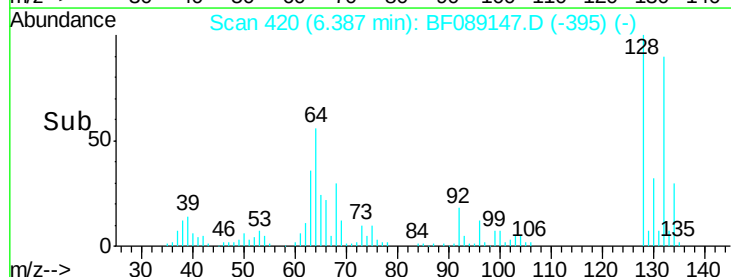
64 55.6 17.5 57.5

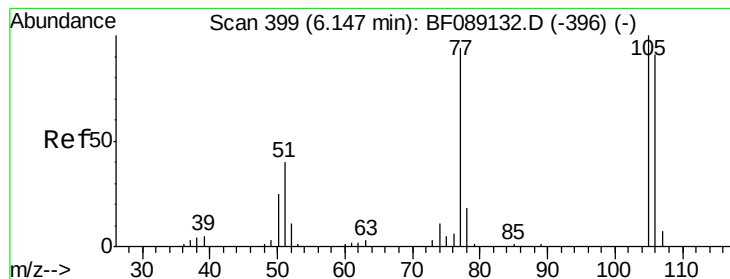


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 15.86 ng

RT: 6.15 min Scan# 399

Delta R.T. 0.00 min

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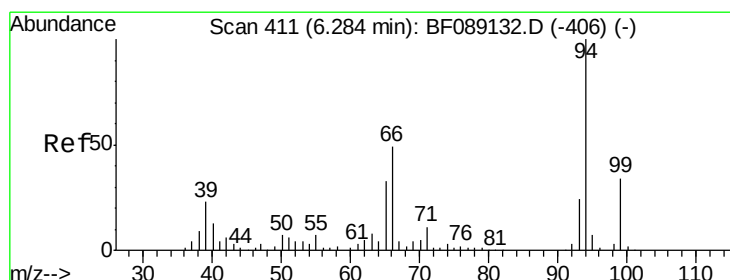
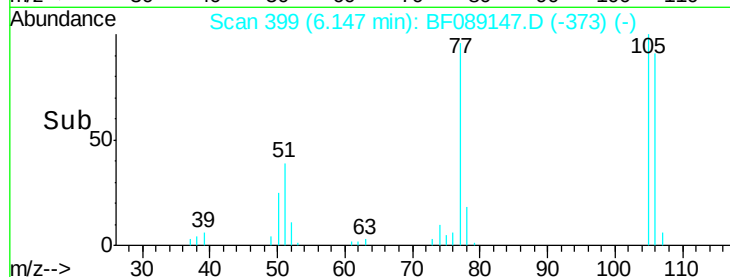
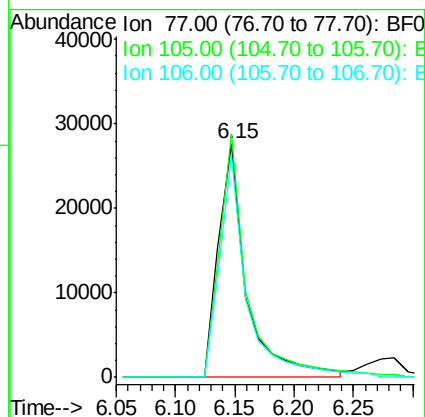
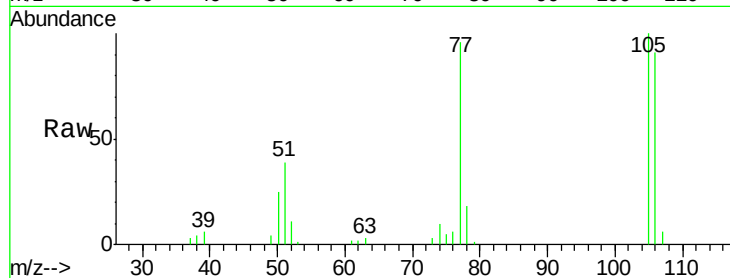
Tgt Ion: 77 Resp: 45052

Ion Ratio Lower Upper

77 100

105 104.2 86.2 126.2

106 94.9 76.3 116.3



#10

Phenol

Concen: 40.15 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

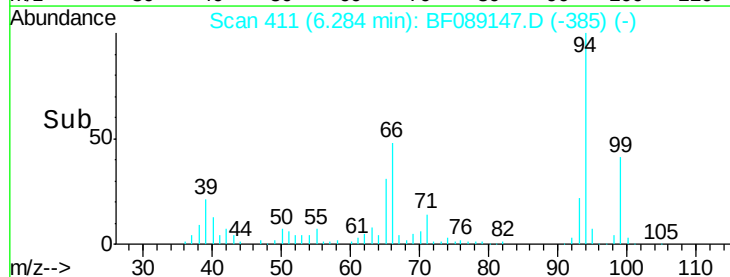
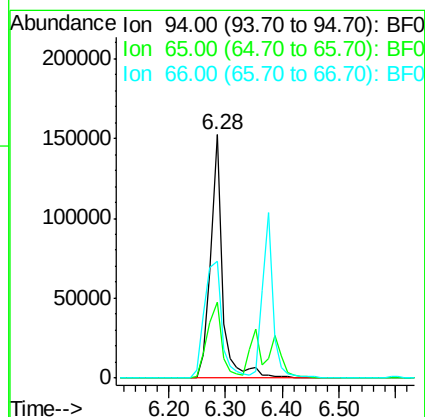
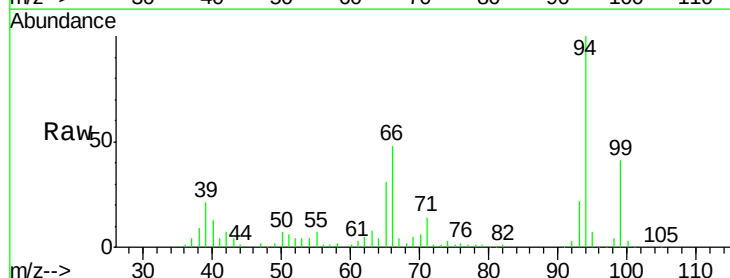
Tgt Ion: 94 Resp: 214510

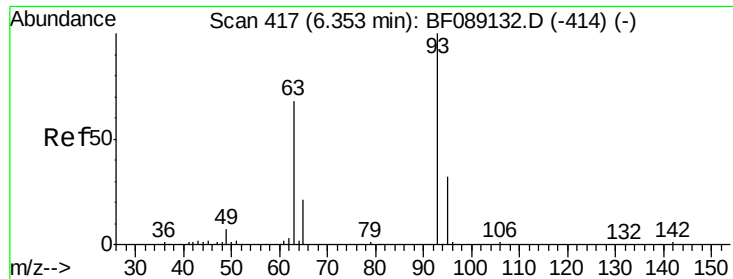
Ion Ratio Lower Upper

94 100

65 31.2 13.3 53.3

66 48.0 29.3 69.3

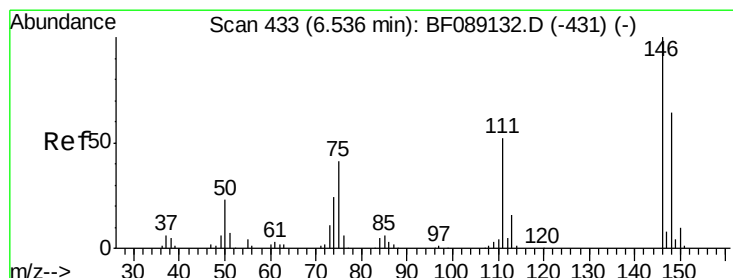
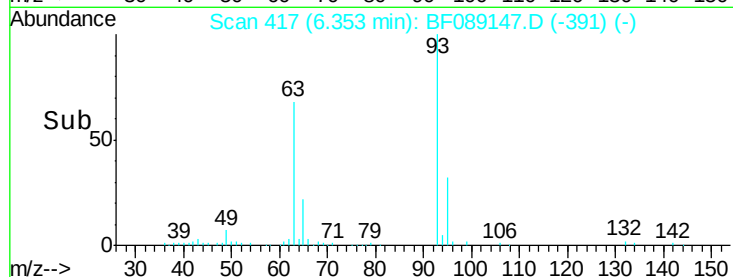
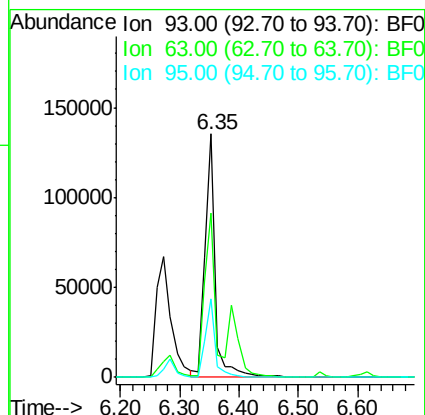
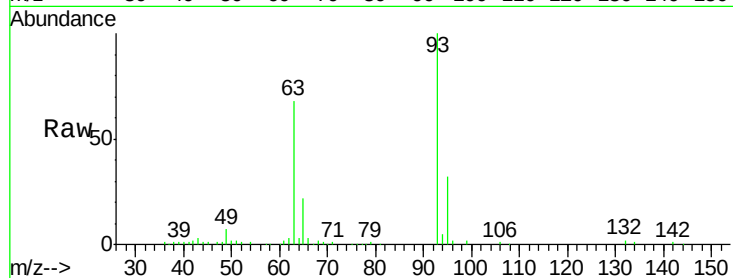




#11
 bis(2-Chloroethyl)ether
 Concen: 42.22 ng
 RT: 6.35 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

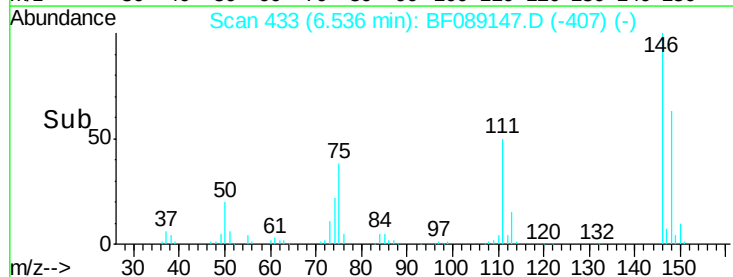
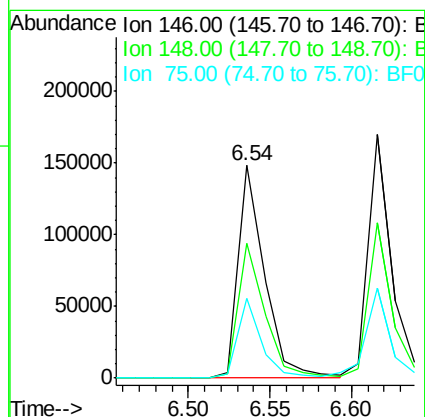
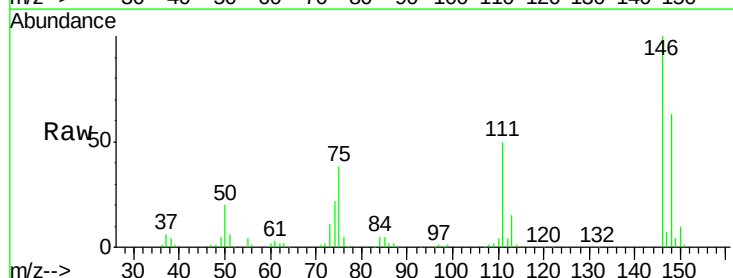
Instrument :
 BNA_F
 ClientSampleId :
 PB92306BS

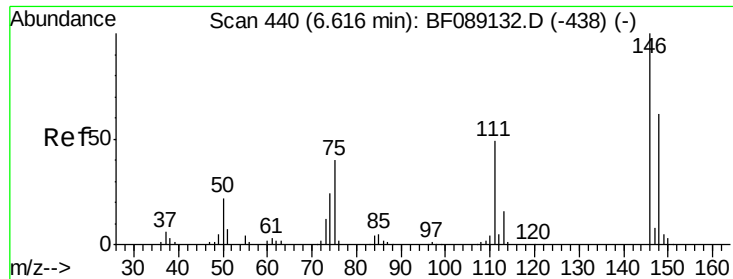
Tgt Ion:	93	Resp:	169399
Ion	Ratio	Lower	Upper
93	100		
63	67.6	47.3	87.3
95	32.3	11.8	51.8



#12
 1,3-Dichlorobenzene
 Concen: 37.54 ng
 RT: 6.54 min Scan# 433
 Delta R.T. 0.00 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

Tgt Ion:	146	Resp:	165414
Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.0	76.6
75	37.6	32.5	48.7

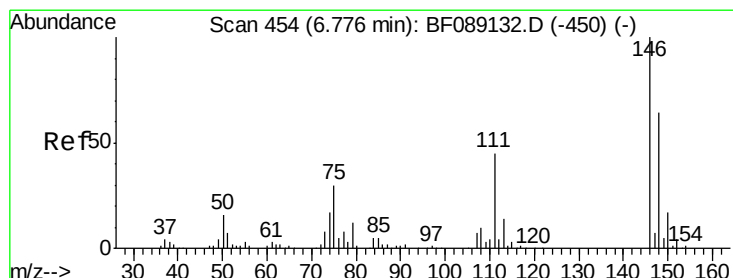
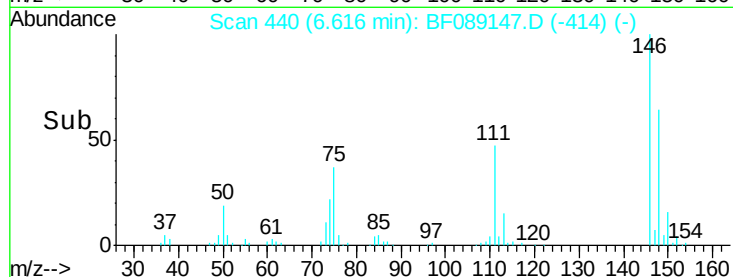
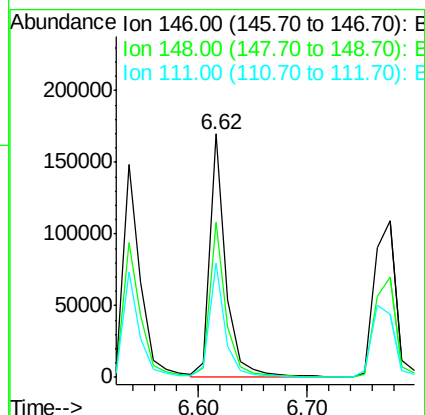
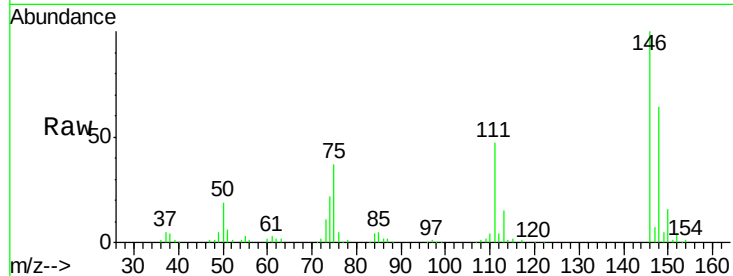




#13
 1,4-Dichlorobenzene
 Concen: 39.84 ng
 RT: 6.62 min Scan# 440
 Delta R.T. 0.00 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

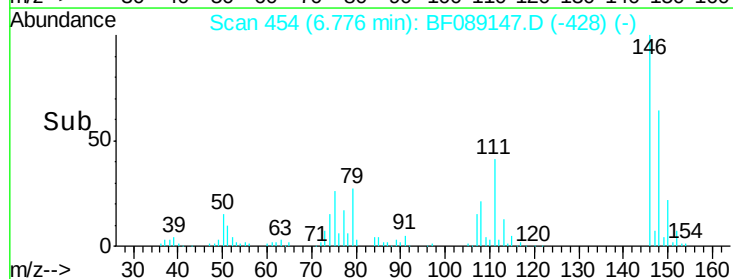
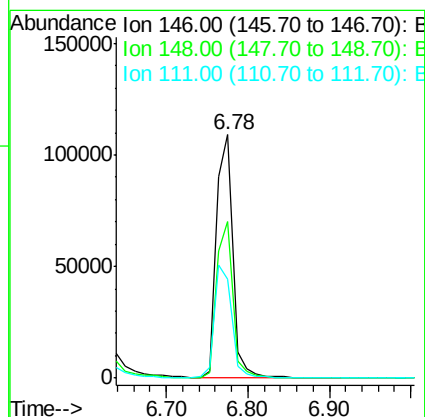
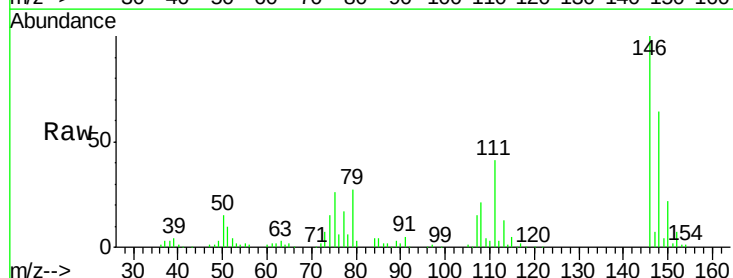
Instrument :
 BNA_F
 ClientSampleId :
 PB92306BS

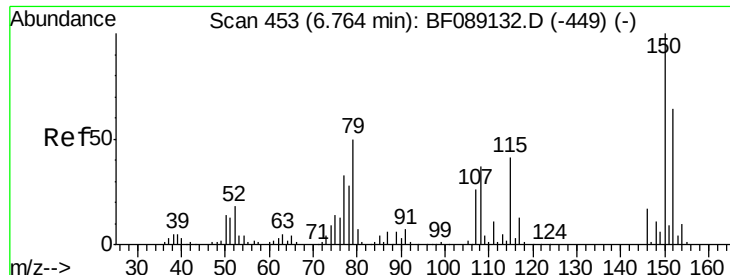
Tgt Ion:146 Resp: 176773
 Ion Ratio Lower Upper
 146 100
 148 64.0 49.9 74.9
 111 47.2 39.8 59.6



#14
 1,2-Dichlorobenzene
 Concen: 36.84 ng
 RT: 6.78 min Scan# 454
 Delta R.T. 0.00 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

Tgt Ion:146 Resp: 154147
 Ion Ratio Lower Upper
 146 100
 148 64.4 51.4 77.0
 111 40.7 35.9 53.9

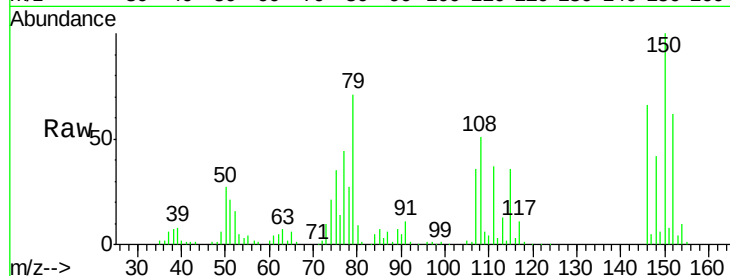




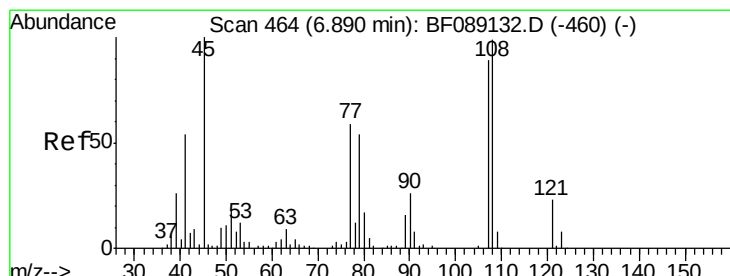
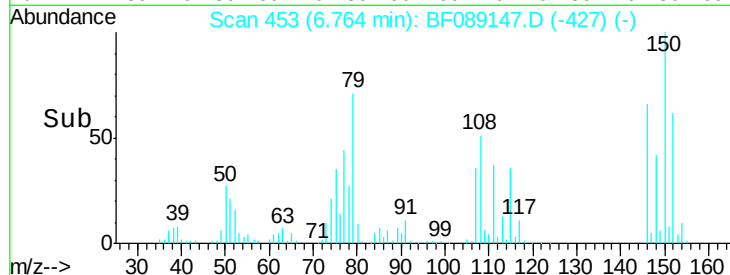
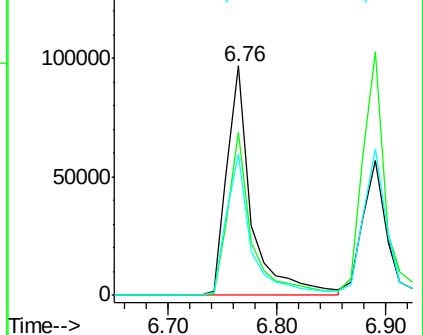
#15
Benzyl Alcohol
Concen: 44.69 ng
RT: 6.76 min Scan# 453
Delta R.T. 0.00 min
Lab File: BF089147.D
Acq: 20 Jul 2016 22:53

Instrument :
BNA_F
ClientSampleId :
PB92306BS

Tgt Ion: 79 Resp: 151748
Ion Ratio Lower Upper
79 100
108 71.3 58.2 87.4
77 61.7 52.2 78.4

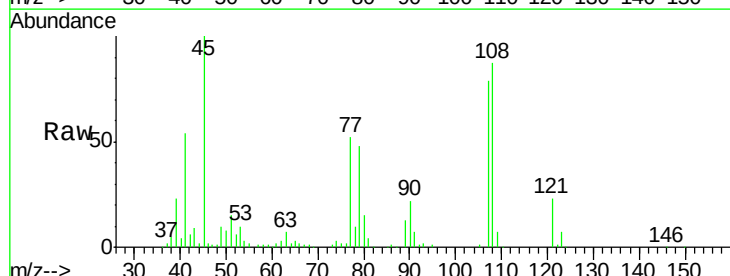


Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0

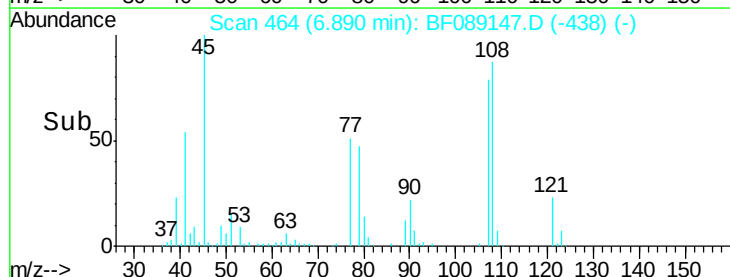
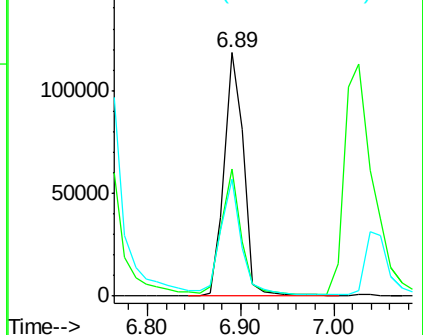


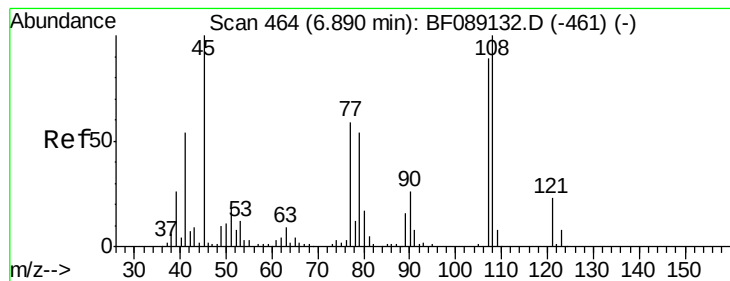
#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.83 ng
RT: 6.89 min Scan# 464
Delta R.T. 0.00 min
Lab File: BF089147.D
Acq: 20 Jul 2016 22:53

Tgt Ion: 45 Resp: 172943
Ion Ratio Lower Upper
45 100
77 52.1 39.7 79.7
79 48.1 34.7 74.7



Abundance Ion 45.00 (44.70 to 45.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 42.20 ng

RT: 6.89 min Scan# 464

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

Instrument :

BNA_F

ClientSampleId :

PB92306BS

Tgt Ion:107 Resp: 132643

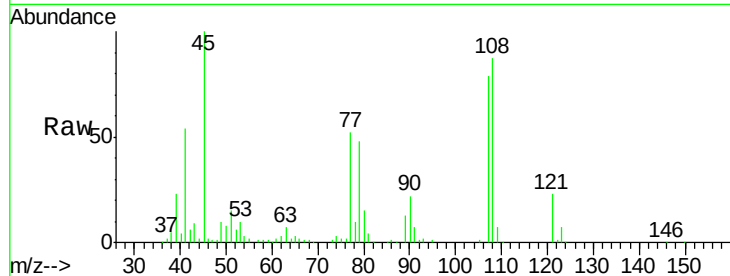
Ion Ratio Lower Upper

107 100

108 110.0 89.4 134.2

77 66.0 53.4 80.0

79 60.9 49.0 73.4

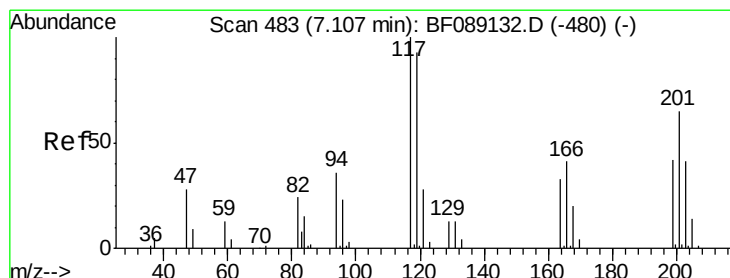
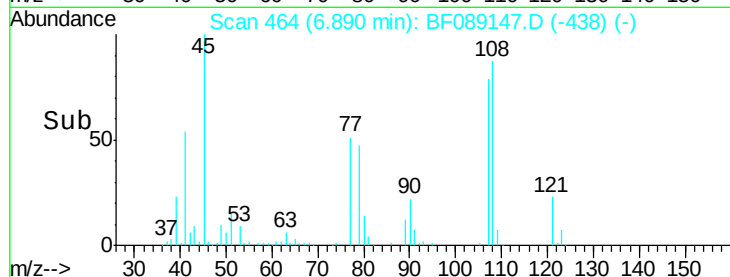
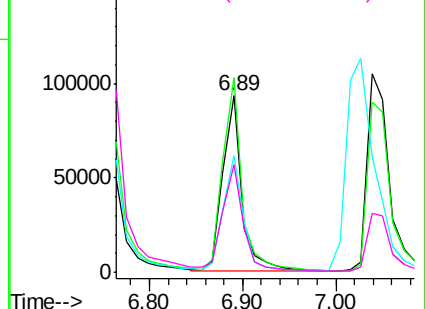


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 38.87 ng

RT: 7.11 min Scan# 483

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

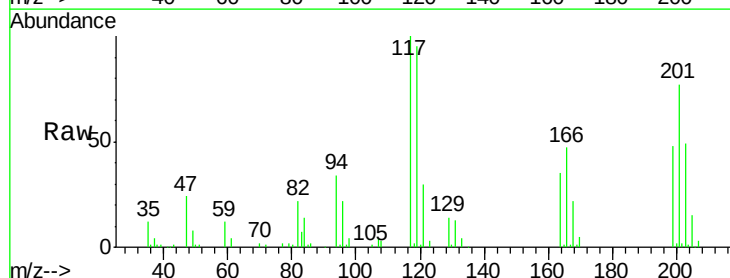
Tgt Ion:117 Resp: 64839

Ion Ratio Lower Upper

117 100

119 94.6 74.5 111.7

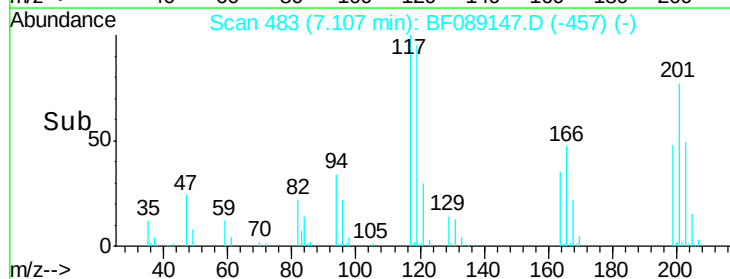
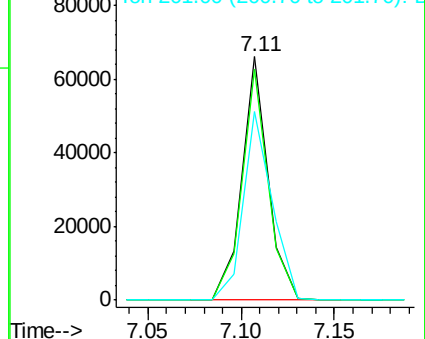
201 77.4 51.8 77.6

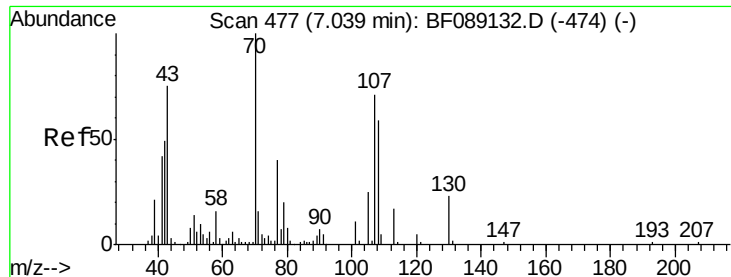


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

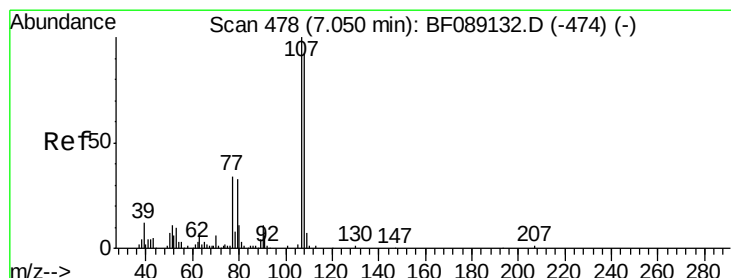
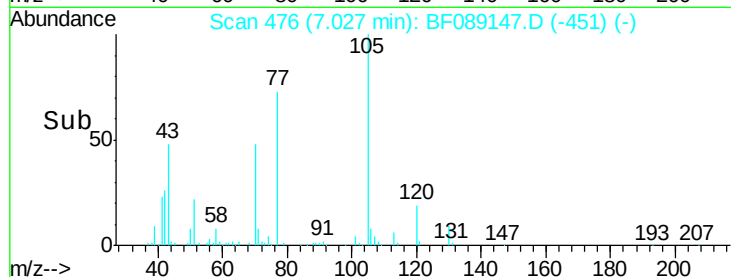
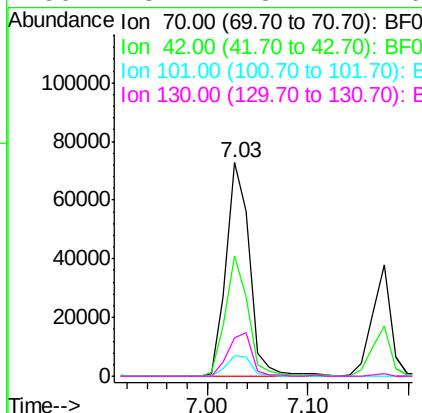
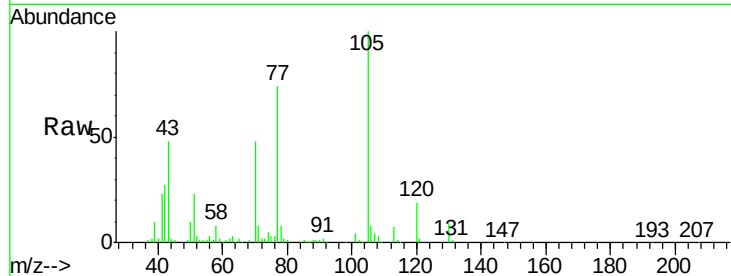




#19
n-Nitroso-di-n-propylamine
Concen: 38.92 ng
RT: 7.03 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF089147.D
Acq: 20 Jul 2016 22:53

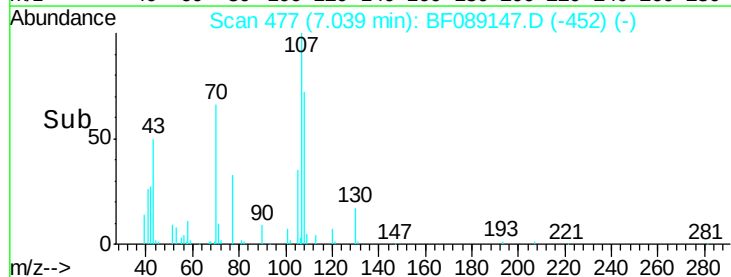
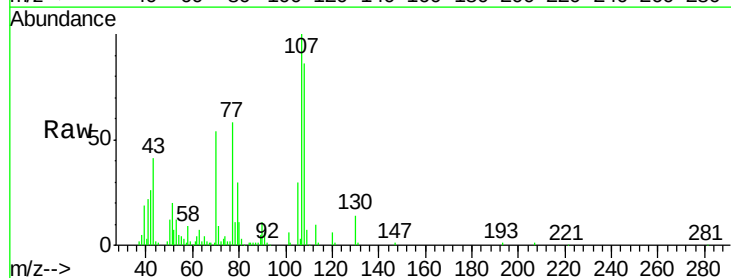
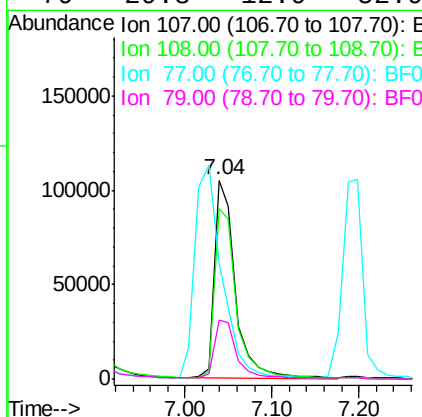
Instrument :
BNA_F
ClientSampleId :
PB92306BS

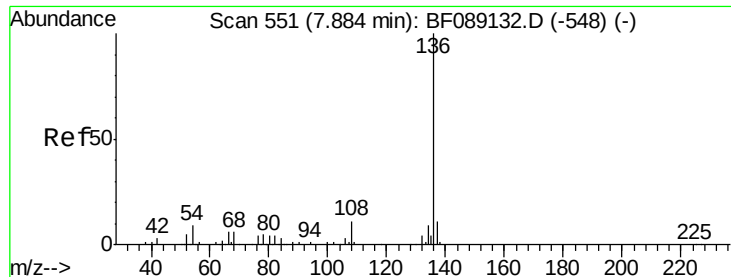
Tgt Ion: 70 Resp: 118020
Ion Ratio Lower Upper
70 100
42 56.3 39.2 58.8
101 9.3 8.5 12.7
130 18.2 18.4 27.6#



#20
3+4-Methylphenols
Concen: 41.75 ng
RT: 7.04 min Scan# 477
Delta R.T. -0.01 min
Lab File: BF089147.D
Acq: 20 Jul 2016 22:53

Tgt Ion: 107 Resp: 178128
Ion Ratio Lower Upper
107 100
108 86.0 72.5 112.5
77 58.0 17.7 57.7#
79 29.8 12.9 52.9

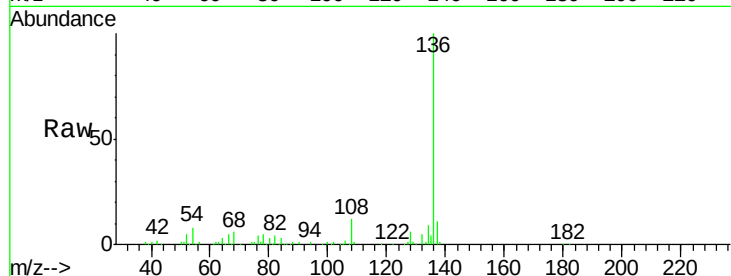




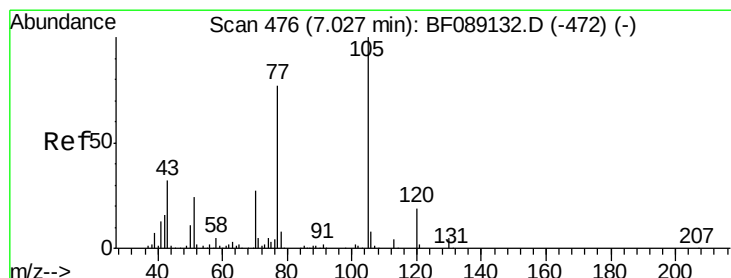
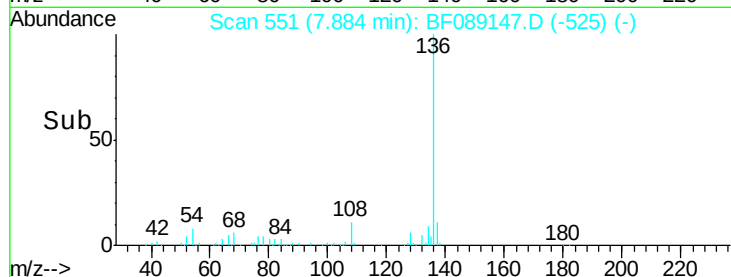
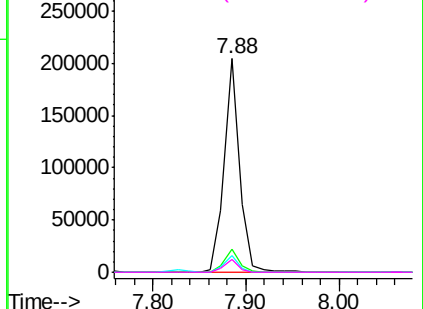
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 551
Delta R.T. 0.00 min
Lab File: BF089147.D
Acq: 20 Jul 2016 22:53

Instrument :
BNA_F
ClientSampleId :
PB92306BS

Tgt Ion:	136	Resp:	235111
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.5	7.0	10.4
68	5.9	5.0	7.6

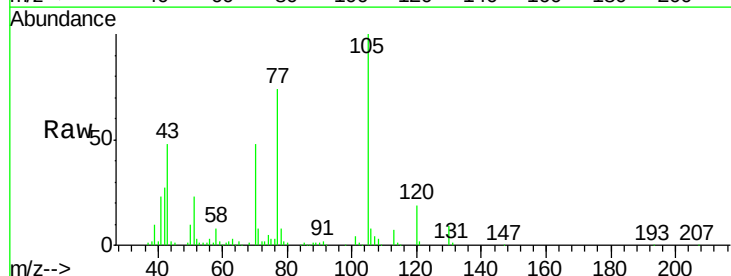


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

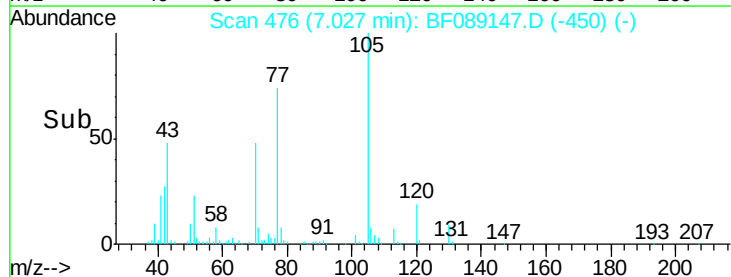
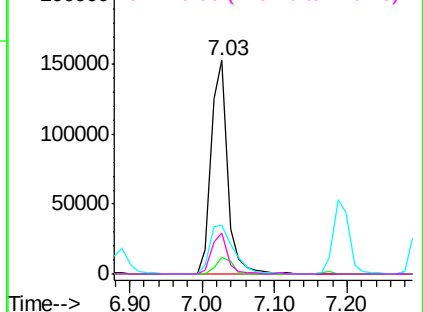


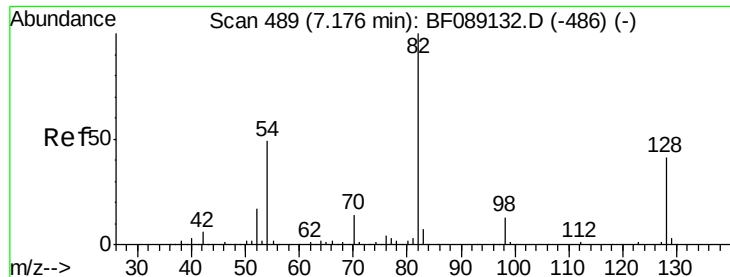
#22
Acetophenone
Concen: 38.42 ng
RT: 7.03 min Scan# 476
Delta R.T. 0.00 min
Lab File: BF089147.D
Acq: 20 Jul 2016 22:53

Tgt Ion:	105	Resp:	241205
Ion	Ratio	Lower	Upper
105	100		
71	7.8	3.8	5.6#
51	22.9	19.6	29.4
120	19.3	15.5	23.3



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 81.95 ng

RT: 7.18 min Scan# 489

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

Instrument :

BNA_F

ClientSampleId :

PB92306BS

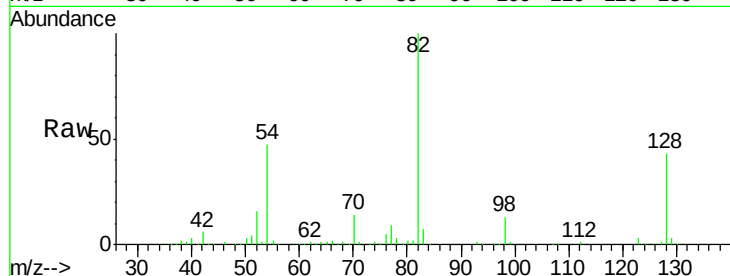
Tgt Ion: 82 Resp: 362614

Ion Ratio Lower Upper

82 100

128 43.1 33.0 49.6

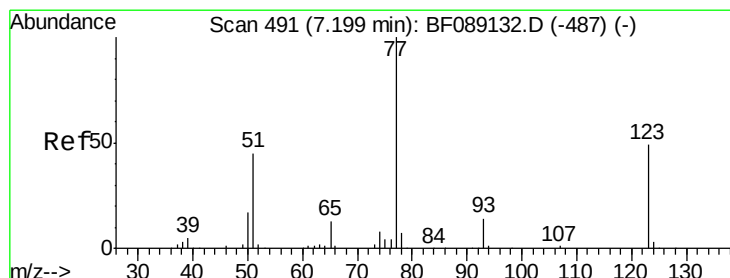
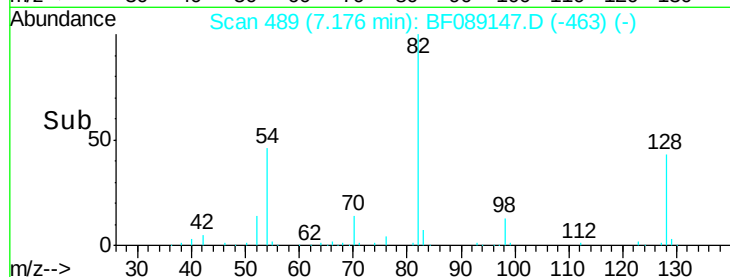
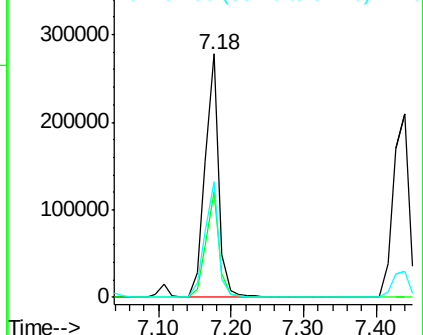
54 47.3 39.0 58.4



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 36.98 ng

RT: 7.20 min Scan# 491

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

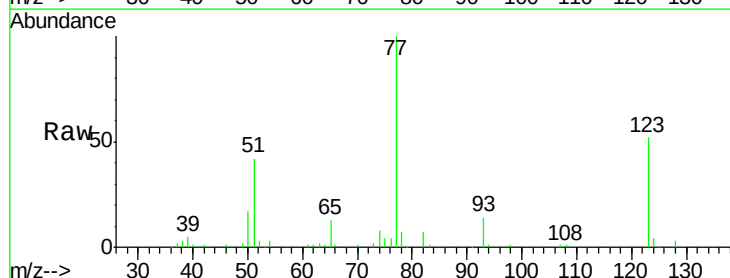
Tgt Ion: 77 Resp: 172570

Ion Ratio Lower Upper

77 100

123 52.4 38.9 58.3

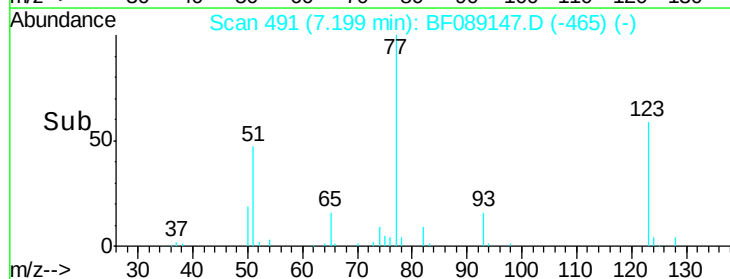
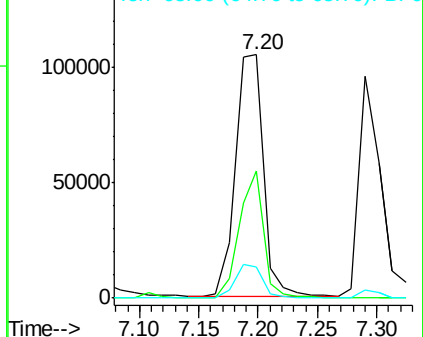
65 12.8 10.6 15.8

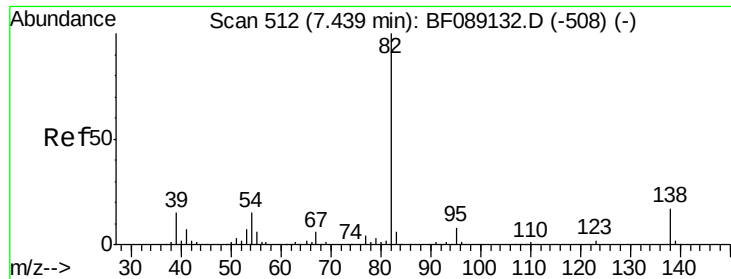


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 40.04 ng

RT: 7.44 min Scan# 512

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

Instrument :

BNA_F

ClientSampled :

PB92306BS

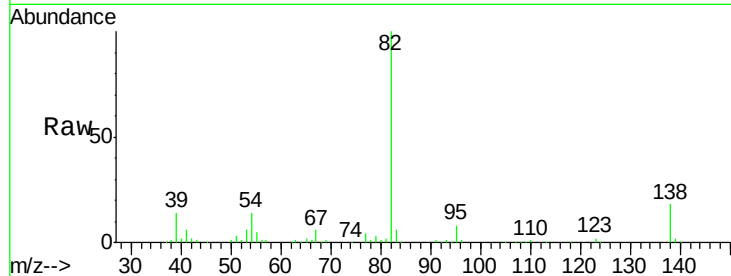
Tgt Ion: 82 Resp: 326535

Ion Ratio Lower Upper

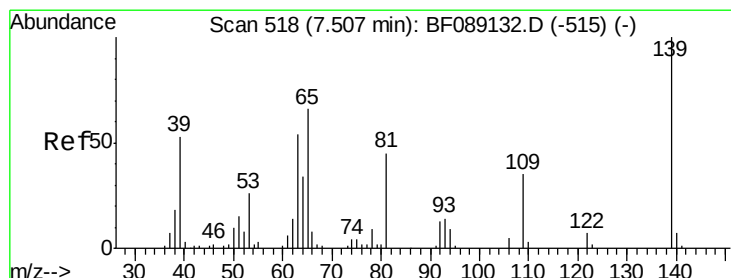
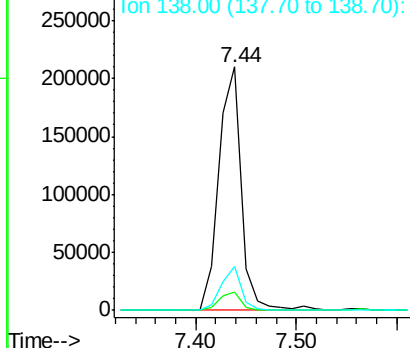
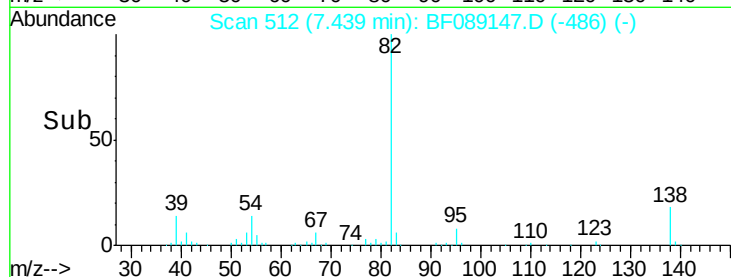
82 100

95 7.8 6.1 9.1

138 18.2 13.6 20.4



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: 39.70 ng

RT: 7.51 min Scan# 518

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

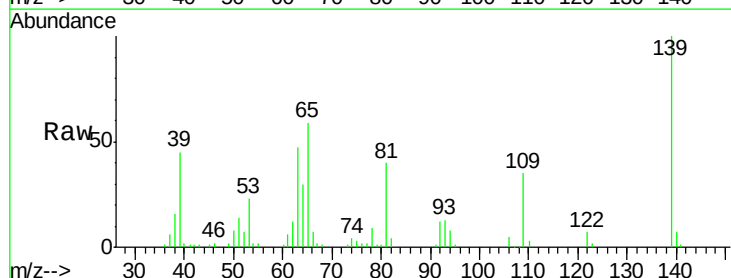
Tgt Ion: 139 Resp: 86414

Ion Ratio Lower Upper

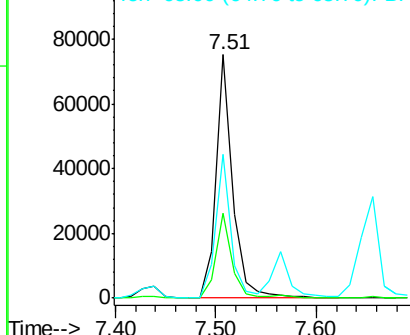
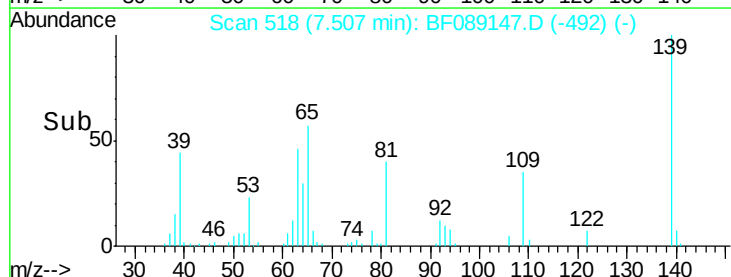
139 100

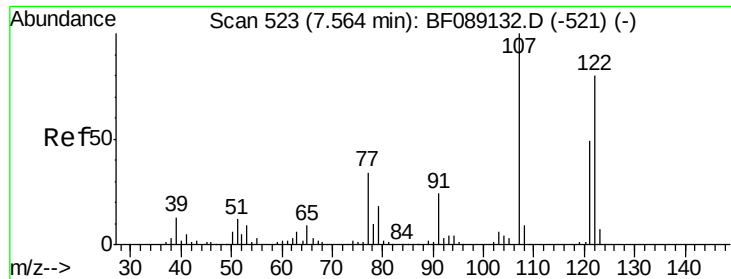
109 34.6 28.1 42.1

65 58.9 52.7 79.1



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

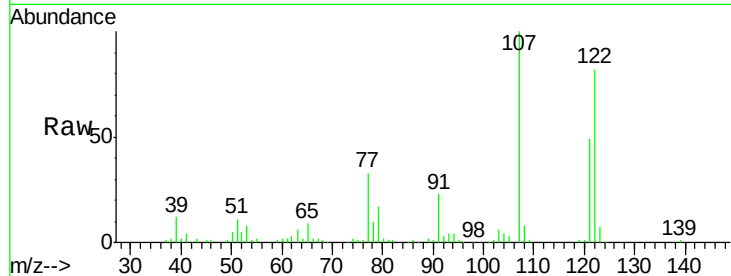




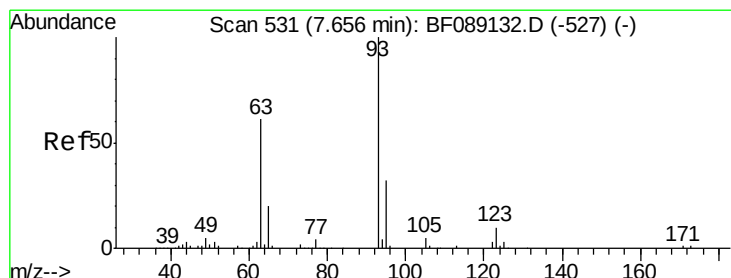
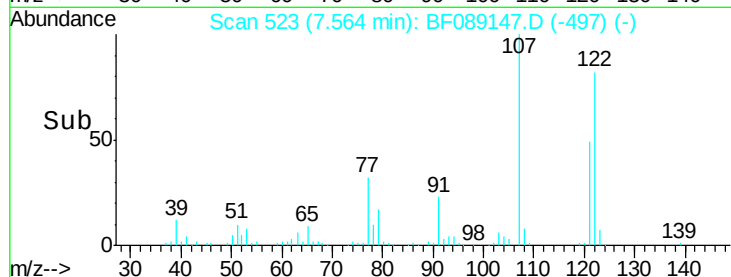
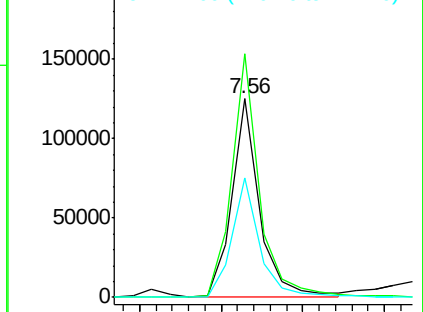
#27
 2,4-Dimethylphenol
 Concen: 39.63 ng
 RT: 7.56 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

Instrument :
 BNA_F
 ClientSampleId :
 PB92306BS

Tgt Ion	Ratio	Lower	Upper
122	100		
107	122.6	99.7	149.5
121	59.8	48.5	72.7

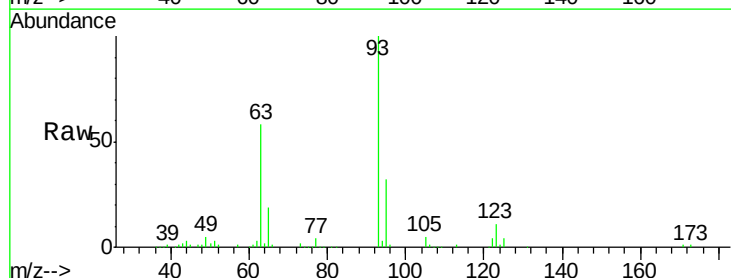


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

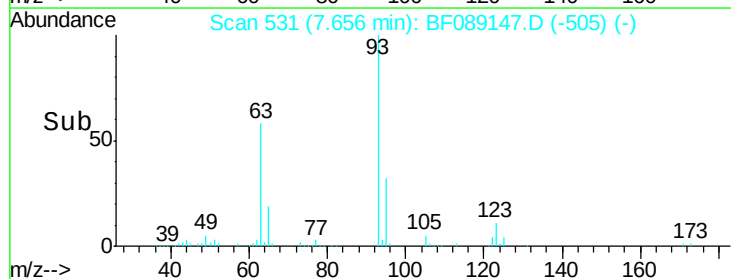
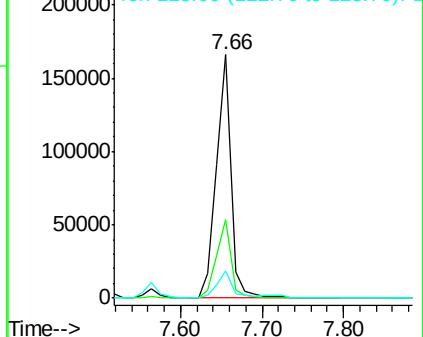


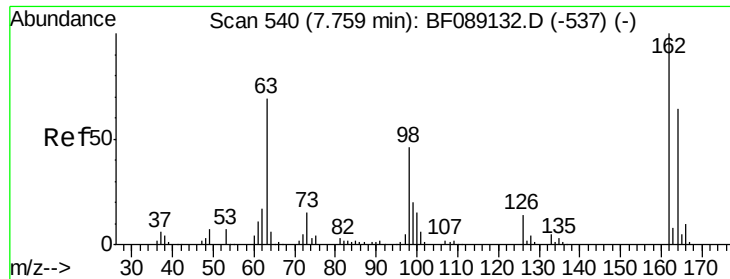
#28
 bis(2-Chloroethoxy)methane
 Concen: 40.99 ng
 RT: 7.66 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.4	38.0
123	11.0	8.3	12.5



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

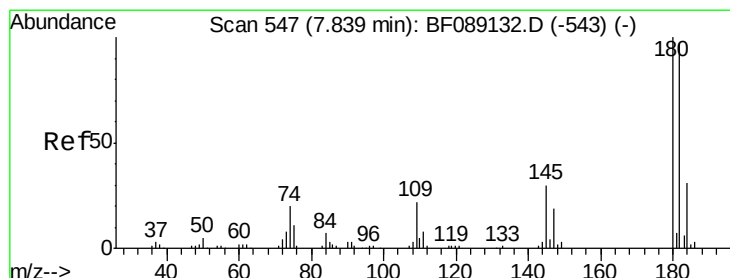
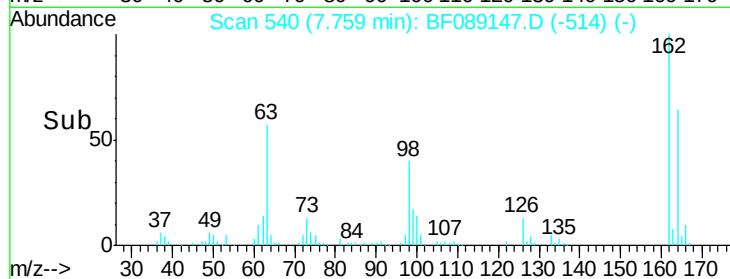
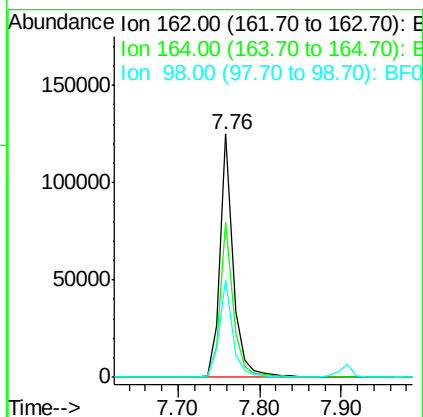
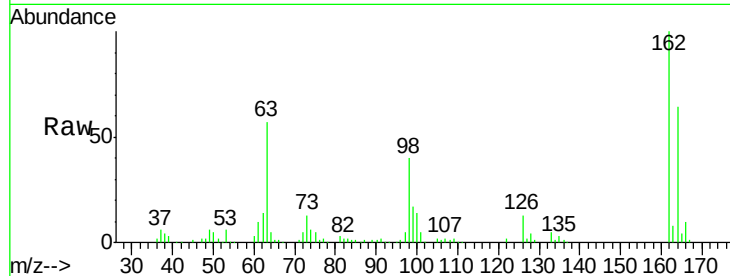




#29
 2,4-Dichlorophenol
 Concen: 42.39 ng
 RT: 7.76 min Scan# 540
 Delta R.T. 0.00 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

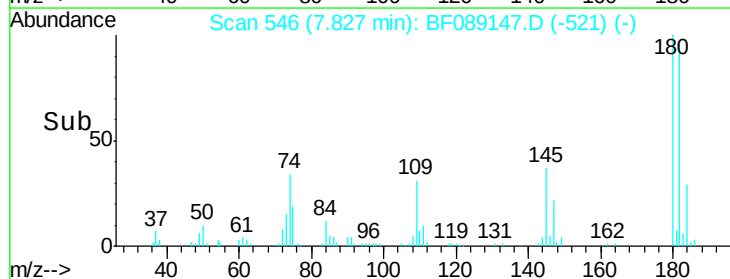
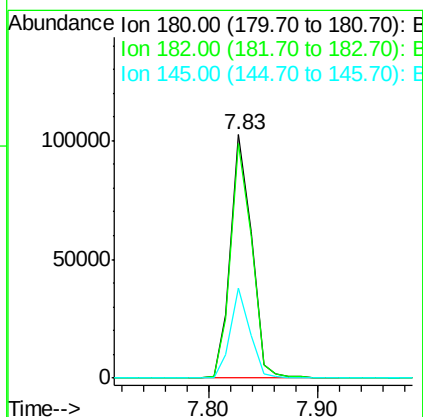
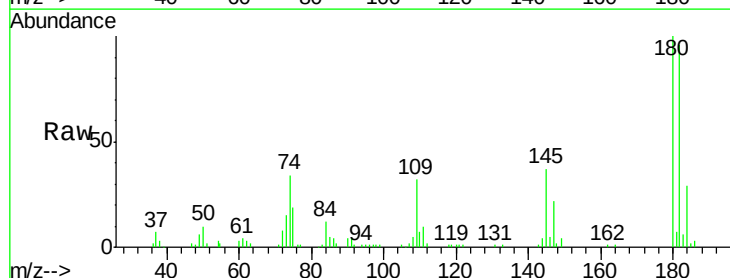
Instrument :
 BNA_F
 ClientSampleId :
 PB92306BS

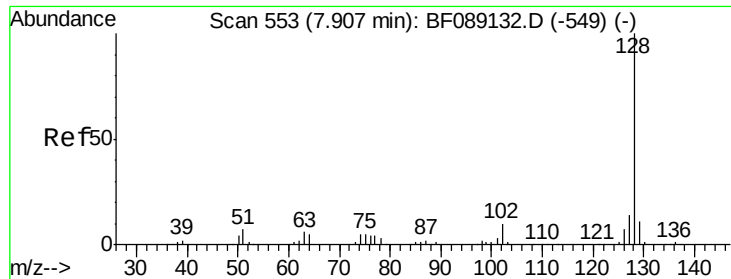
Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.7	44.0	84.0
98	40.2	26.0	66.0



#30
 1,2,4-Trichlorobenzene
 Concen: 37.54 ng
 RT: 7.83 min Scan# 546
 Delta R.T. -0.01 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.6	116.4
145	37.0	24.0	36.0#

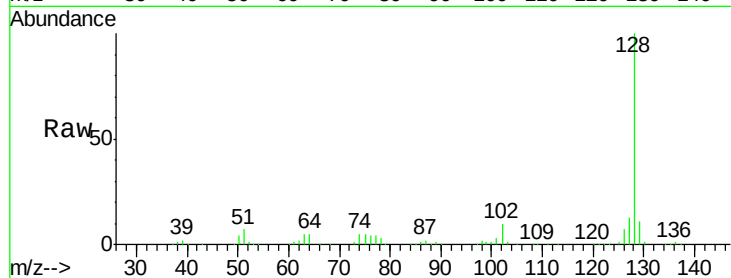




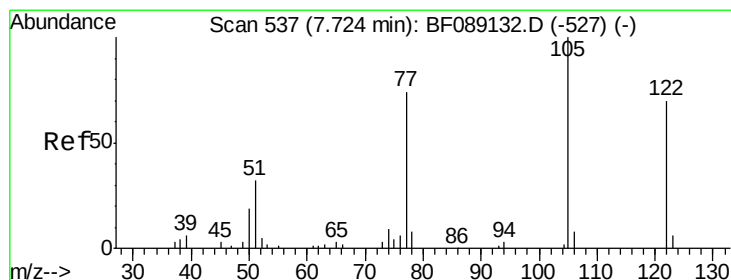
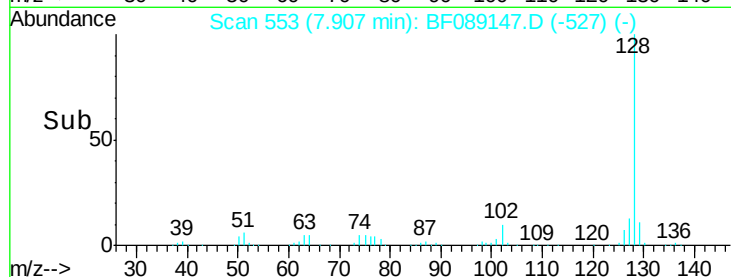
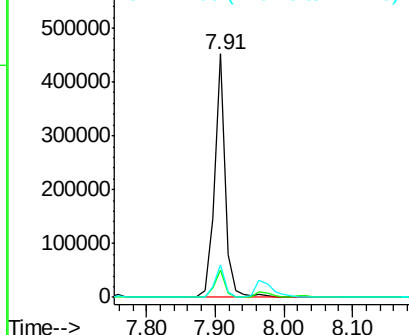
#31
Naphthalene
Concen: 39.13 ng
RT: 7.91 min Scan# 553
Delta R.T. 0.00 min
Lab File: BF089147.D
Acq: 20 Jul 2016 22:53

Instrument :
BNA_F
ClientSampleId :
PB92306BS

Tgt Ion:128 Resp: 496513
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.4 10.8 16.2

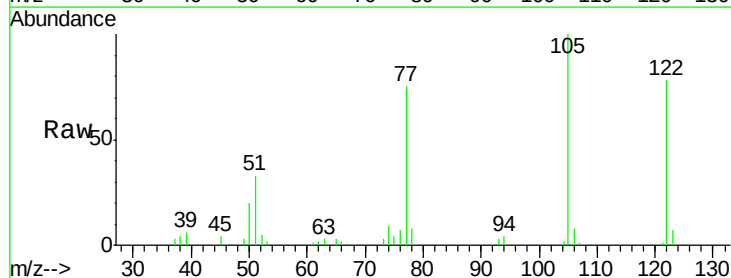


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

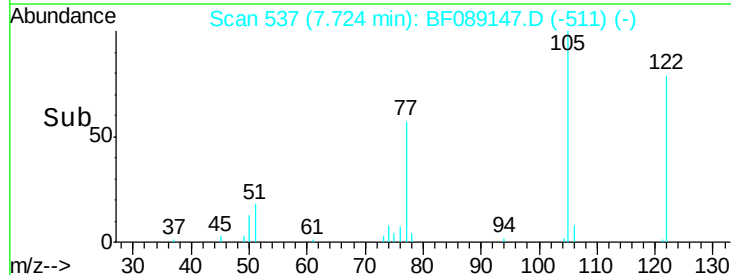
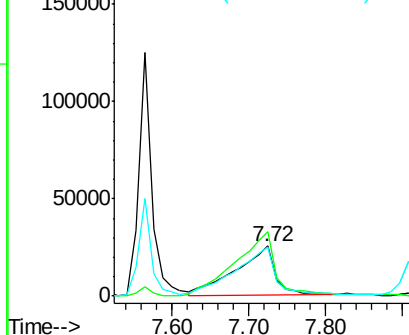


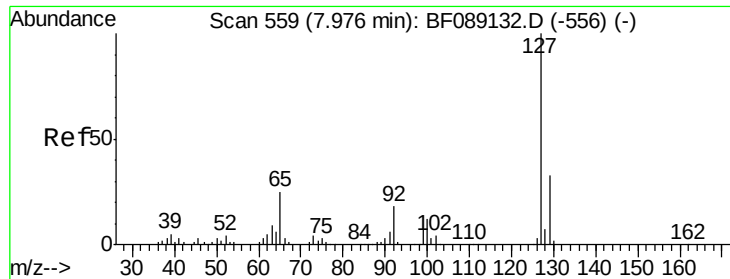
#32
Benzoic acid
Concen: 31.05 ng
RT: 7.72 min Scan# 537
Delta R.T. 0.00 min
Lab File: BF089147.D
Acq: 20 Jul 2016 22:53

Tgt Ion:122 Resp: 87573
Ion Ratio Lower Upper
122 100
105 128.7 119.0 159.0
77 97.0 84.7 124.7



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

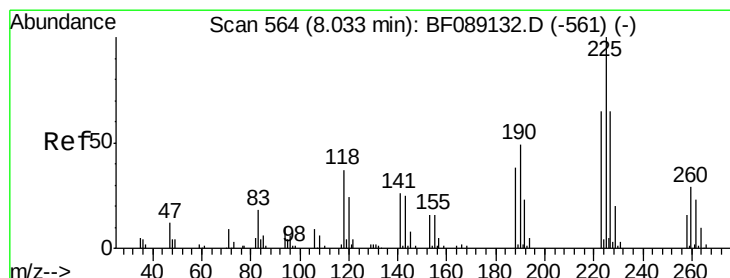
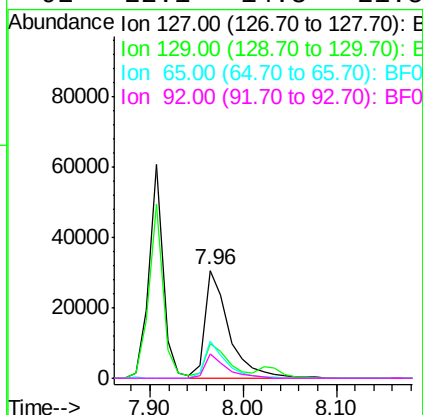
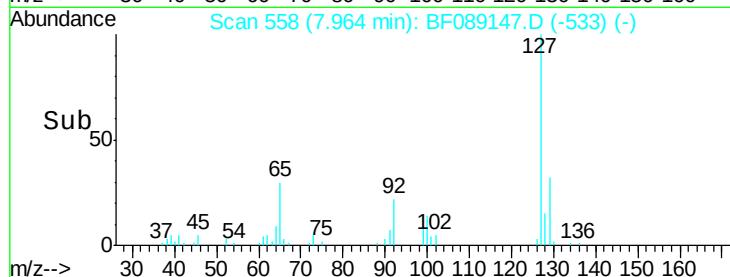
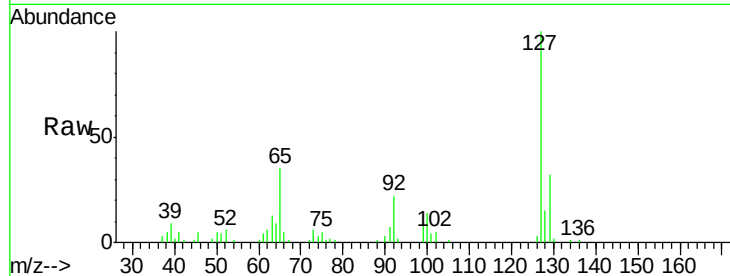




#33
4-Chloroaniline
Concen: 10.36 ng
RT: 7.96 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF089147.D
Acq: 20 Jul 2016 22:53

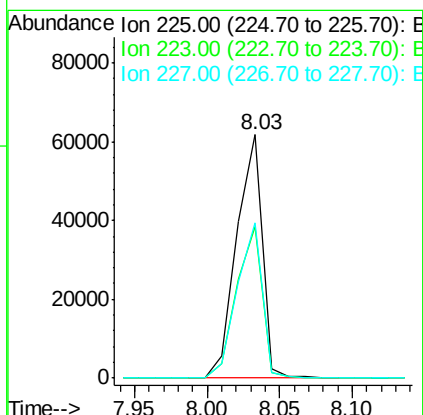
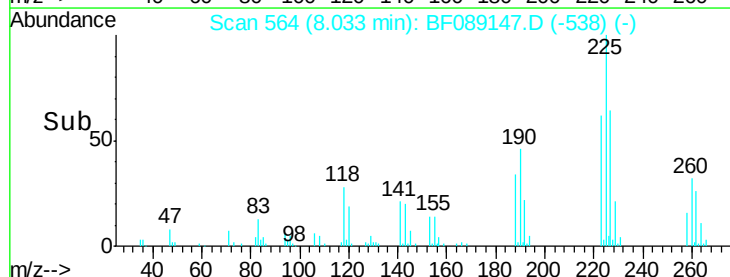
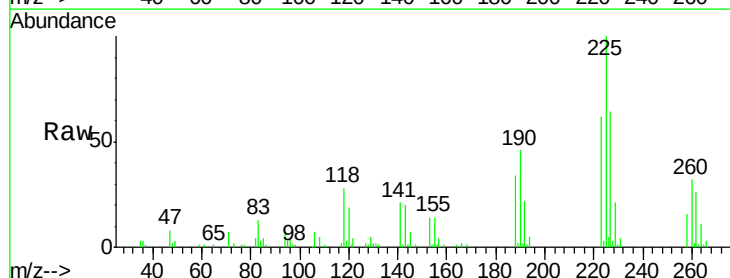
Instrument :
BNA_F
ClientSampleId :
PB92306BS

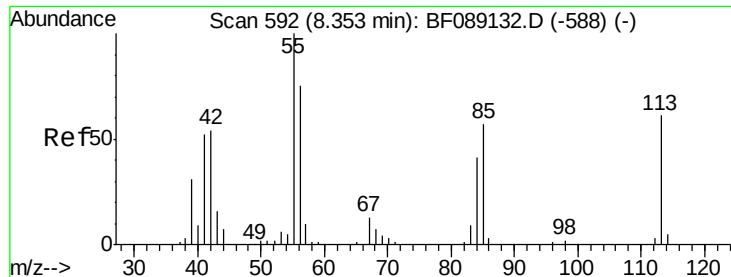
Tgt Ion:127 Resp: 55265
Ion Ratio Lower Upper
127 100
129 32.3 25.9 38.9
65 34.8 19.7 29.5#
92 22.1 14.3 21.5#



#34
Hexachlorobutadiene
Concen: 37.25 ng
RT: 8.03 min Scan# 564
Delta R.T. 0.00 min
Lab File: BF089147.D
Acq: 20 Jul 2016 22:53

Tgt Ion:225 Resp: 75839
Ion Ratio Lower Upper
225 100
223 62.2 51.6 77.4
227 63.6 51.6 77.4





#35

Caprolactam

Concen: 10.46 ng

RT: 8.41 min Scan# 597

Delta R.T. 0.06 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

Instrument :

BNA_F

ClientSampleId :

PB92306BS

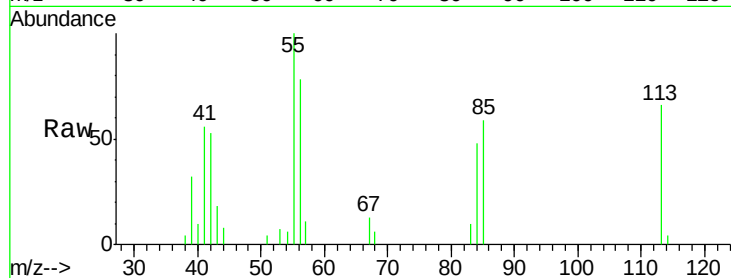
Tgt Ion:113 Resp: 10737

Ion Ratio Lower Upper

113 100

55 151.2 145.3 185.3

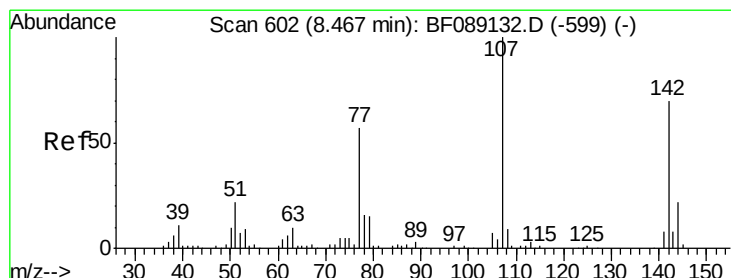
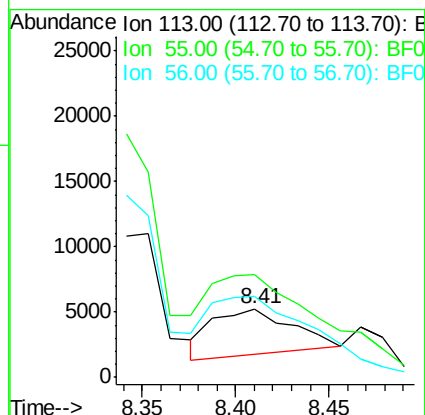
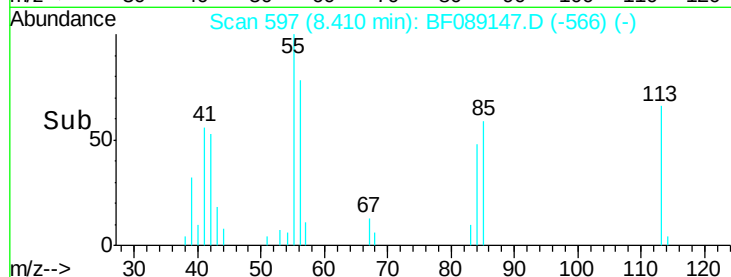
56 118.2 104.3 144.3



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: 40.17 ng

RT: 8.47 min Scan# 602

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

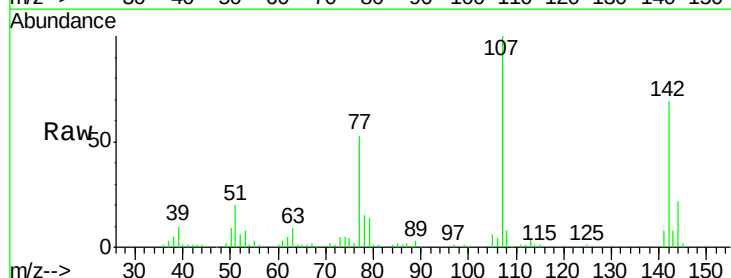
Tgt Ion:107 Resp: 159955

Ion Ratio Lower Upper

107 100

144 21.6 17.8 26.6

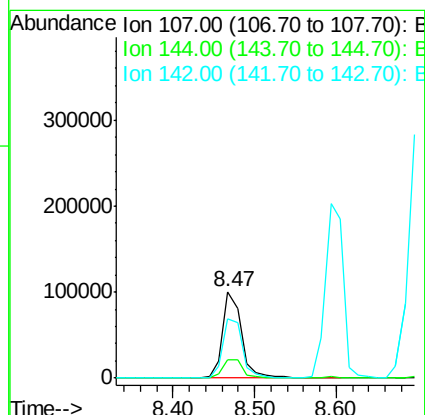
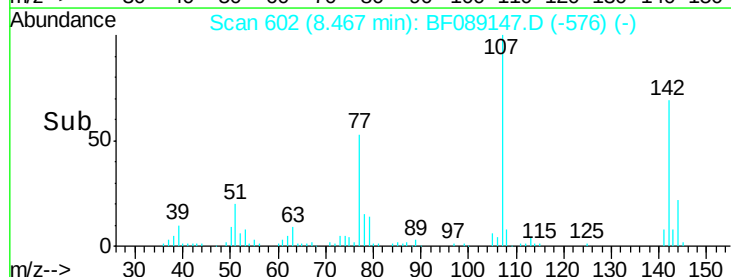
142 68.9 56.1 84.1

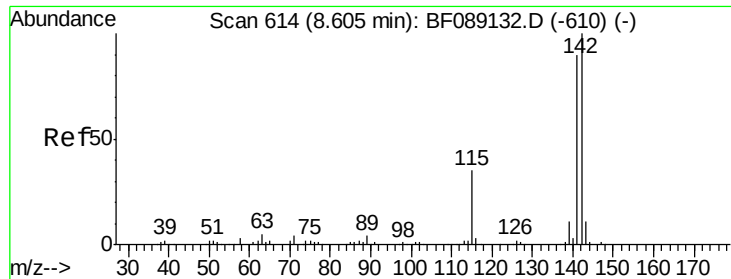


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

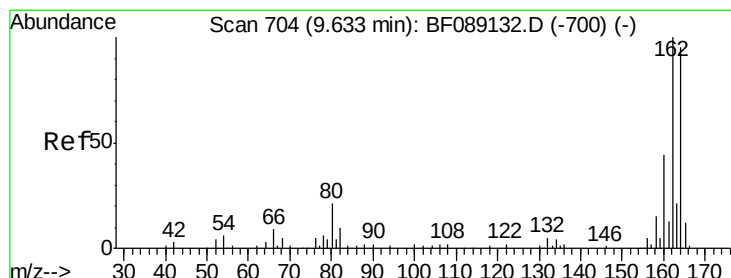
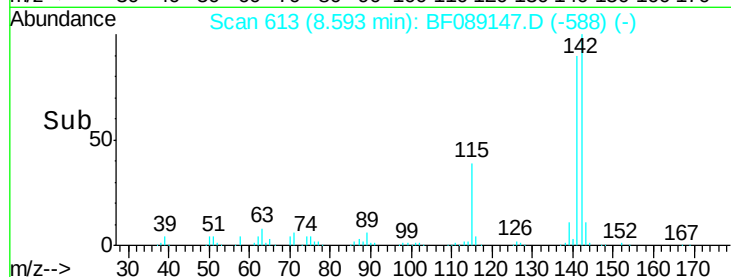
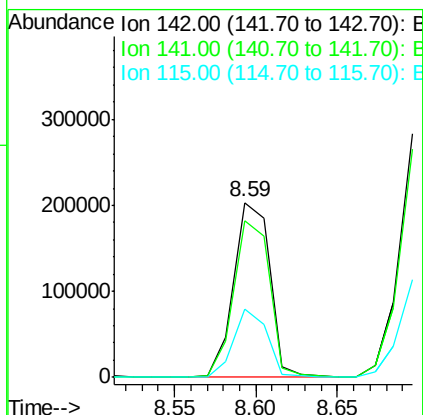
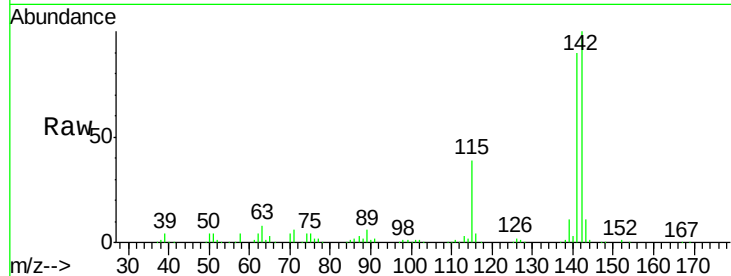




#37
 2-Methylnaphthalene
 Concen: 38.46 ng
 RT: 8.59 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

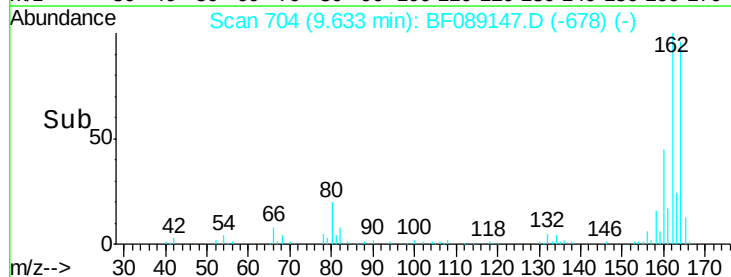
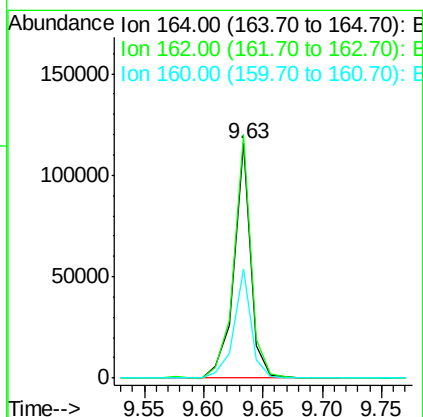
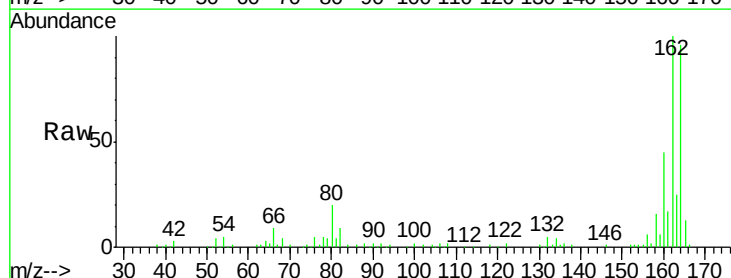
Instrument :
 BNA_F
 ClientSampleId :
 PB92306BS

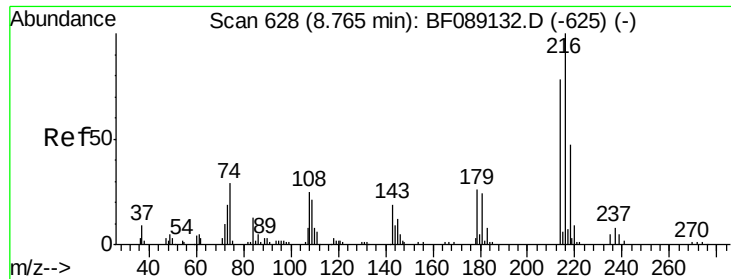
Tgt Ion:142 Resp: 311265
 Ion Ratio Lower Upper
 142 100
 141 89.5 71.6 107.4
 115 39.4 27.6 41.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.63 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

Tgt Ion:164 Resp: 113827
 Ion Ratio Lower Upper
 164 100
 162 103.8 84.1 126.1
 160 46.8 37.1 55.7





#39

1,2,4,5-Tetrachlorobenzene

Concen: 31.09 ng

RT: 8.76 min Scan# 628

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

Instrument :

BNA_F

ClientSampleId :

PB92306BS

Tgt Ion:216 Resp: 131519

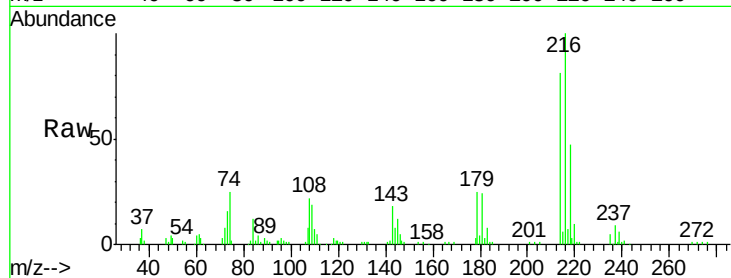
Ion Ratio Lower Upper

216 100

214 80.4 61.9 92.9

179 23.6 18.4 27.6

108 24.6 17.0 25.6

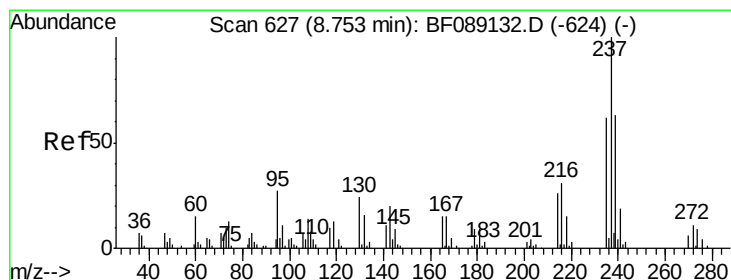
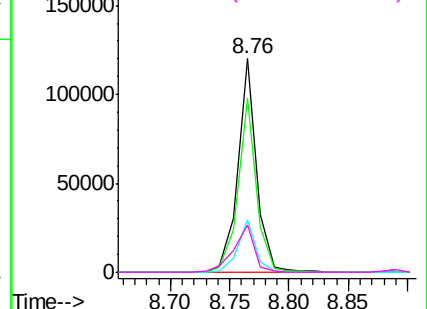
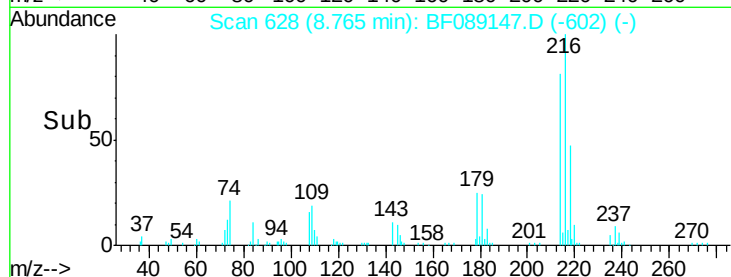


Abundance Ion 216.00 (215.70 to 216.70): E

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: 85.45 ng

RT: 8.75 min Scan# 627

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

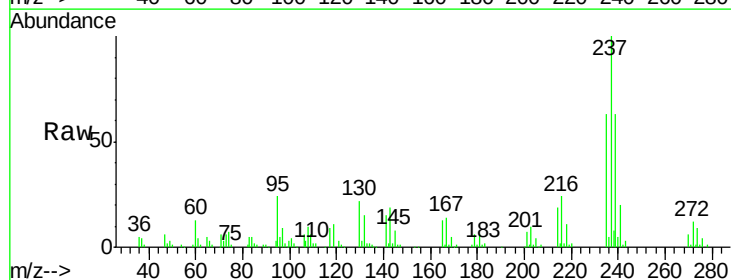
Tgt Ion:237 Resp: 121944

Ion Ratio Lower Upper

237 100

235 63.2 42.1 82.1

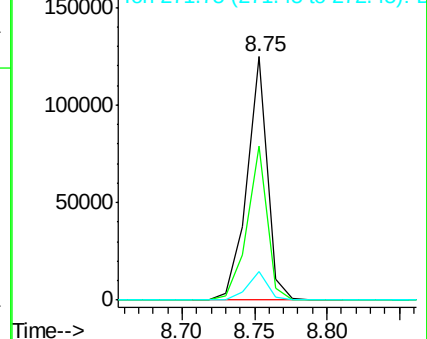
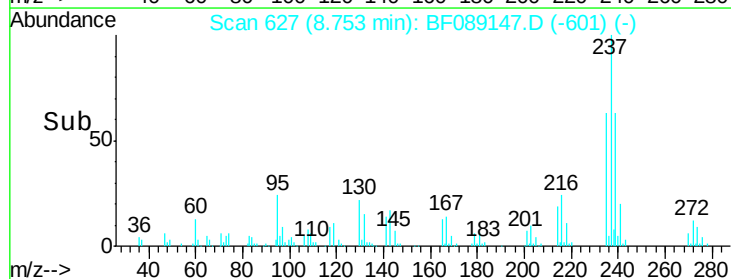
272 11.6 0.0 31.4

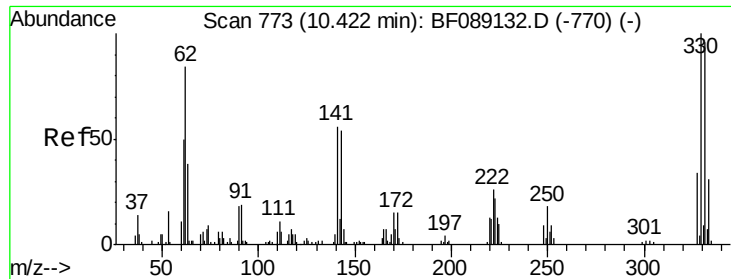


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

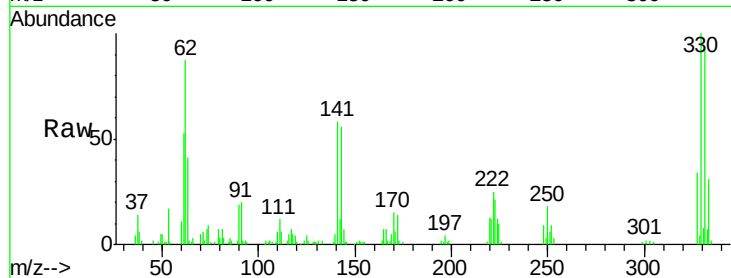




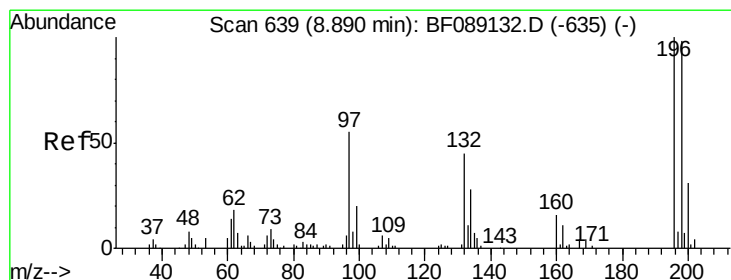
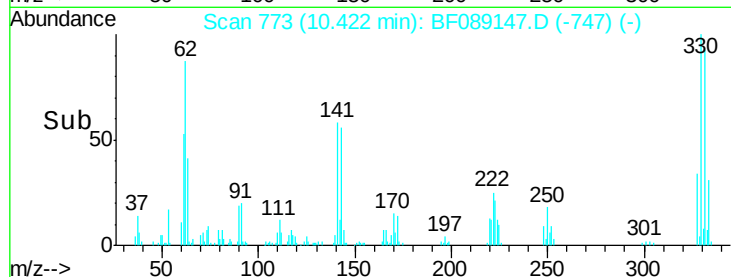
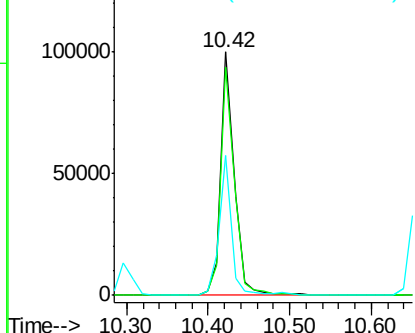
#41
 2,4,6-Tribromophenol
 Concen: 112.34 ng
 RT: 10.42 min Scan# 773
 Delta R.T. 0.00 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

Instrument :
 BNA_F
 ClientSampleId :
 PB92306BS

Tgt Ion:330 Resp: 115126
 Ion Ratio Lower Upper
 330 100
 332 95.2 77.2 115.8
 141 51.5 42.2 63.2

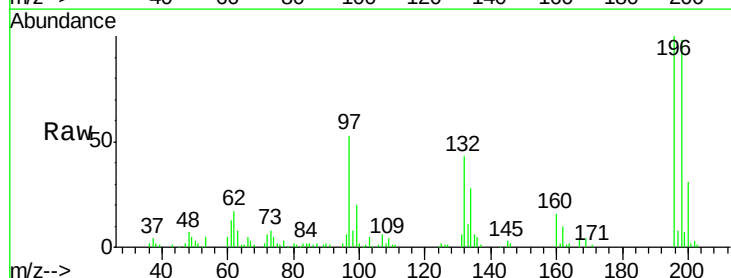


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

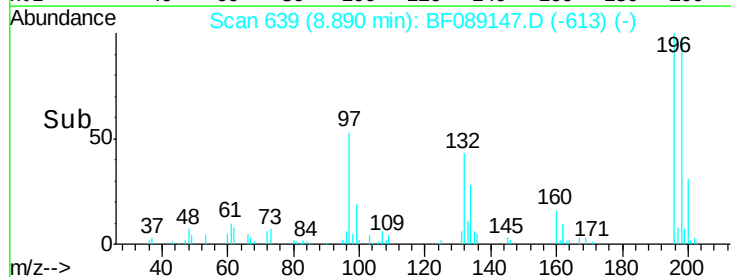
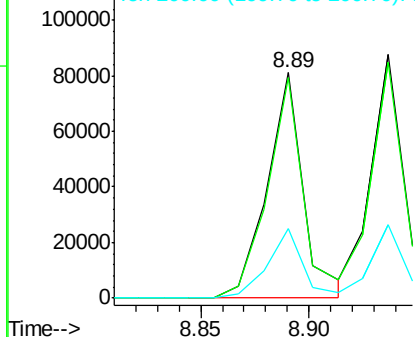


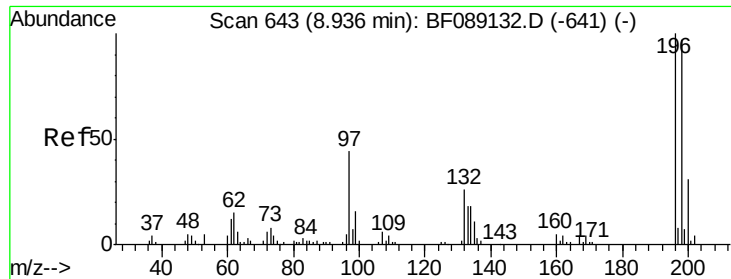
#42
 2,4,6-Trichlorophenol
 Concen: 39.95 ng
 RT: 8.89 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

Tgt Ion:196 Resp: 94594
 Ion Ratio Lower Upper
 196 100
 198 97.7 78.3 117.5
 200 31.1 25.0 37.4



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

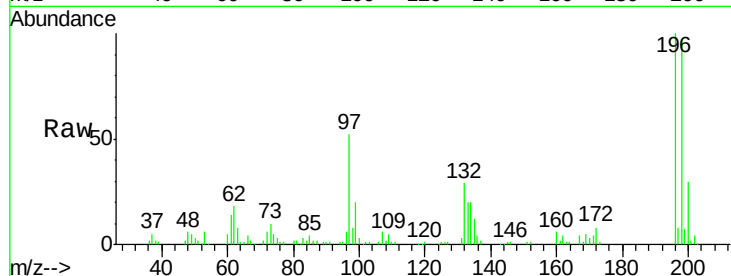




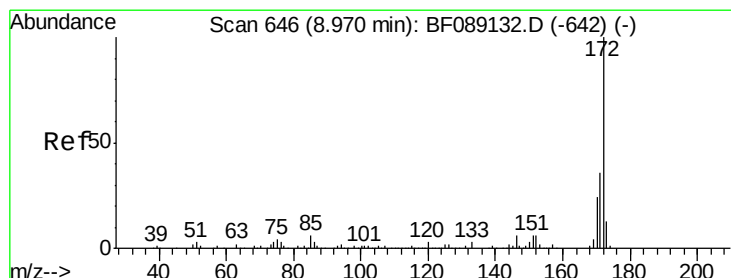
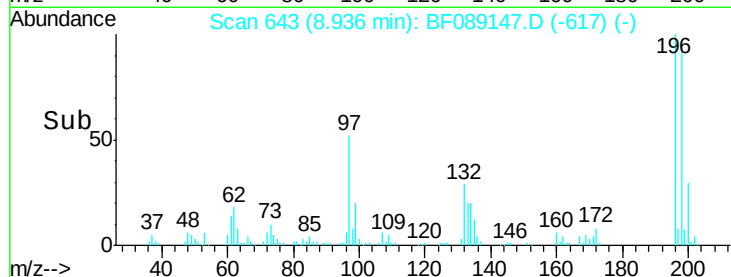
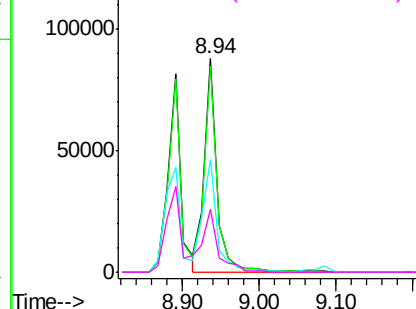
#43
 2,4,5-Trichlorophenol
 Concen: 42.27 ng
 RT: 8.94 min Scan# 643
 Delta R.T. 0.00 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

Instrument :
 BNA_F
 ClientSampleId :
 PB92306BS

Tgt Ion	Resp	Lower	Upper
196	100		
198	96.8	77.6	116.4
97	52.5	36.5	54.7
132	29.3	21.2	31.8

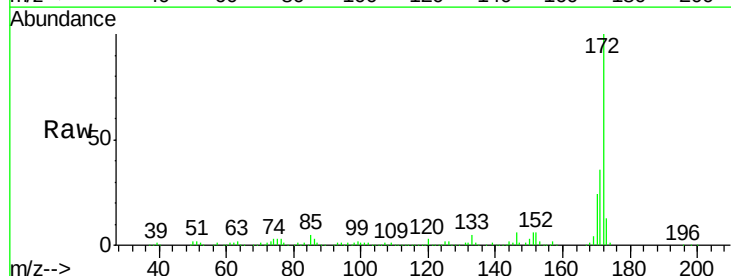


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

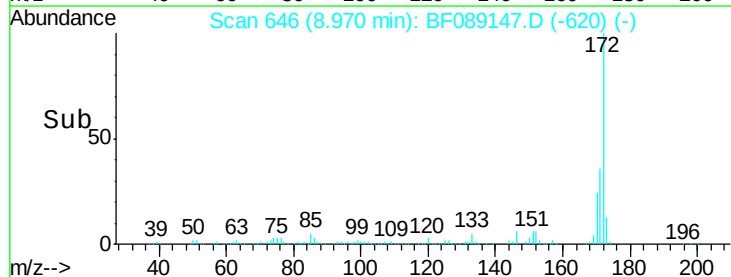
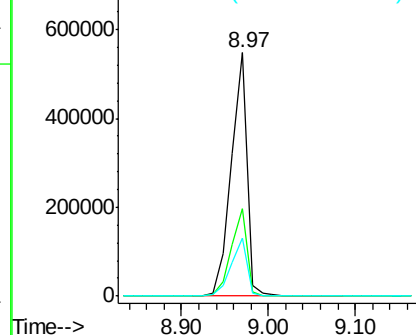


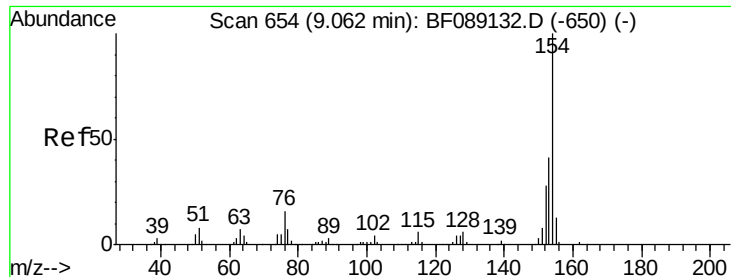
#44
 2-Fluorobiphenyl
 Concen: 84.05 ng
 RT: 8.97 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

Tgt Ion	Resp	Lower	Upper
172	100		
171	35.9	29.2	43.8
170	23.7	19.1	28.7



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: 35.91 ng

RT: 9.06 min Scan# 654

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

Instrument :

BNA_F

ClientSampleId :

PB92306BS

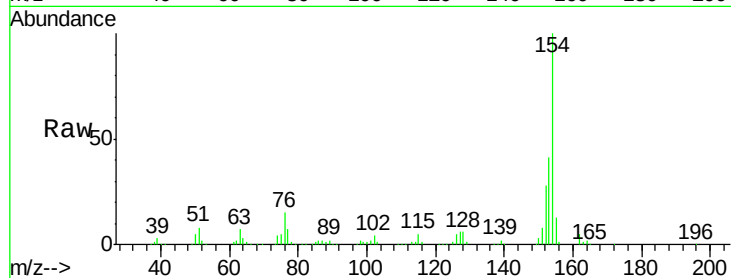
Tgt Ion:154 Resp: 368152

Ion Ratio Lower Upper

154 100

153 41.2 21.1 61.1

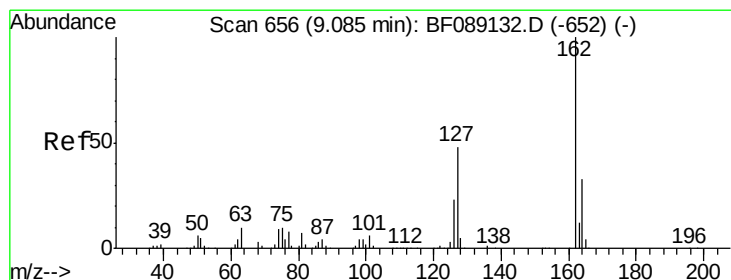
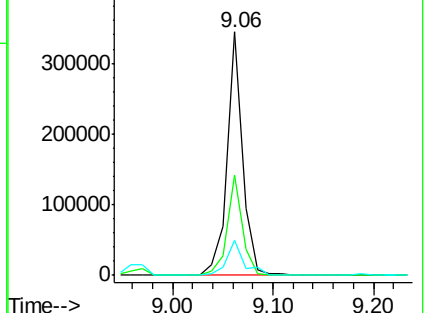
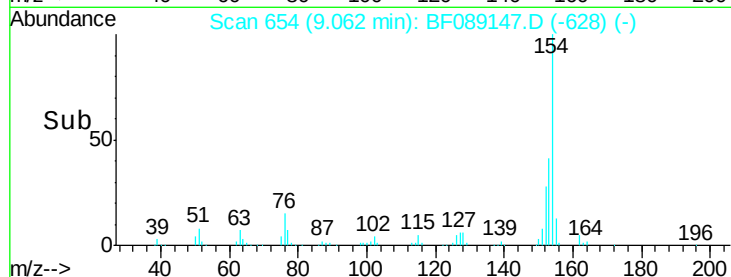
76 14.6 0.0 35.8



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: 38.64 ng

RT: 9.08 min Scan# 656

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

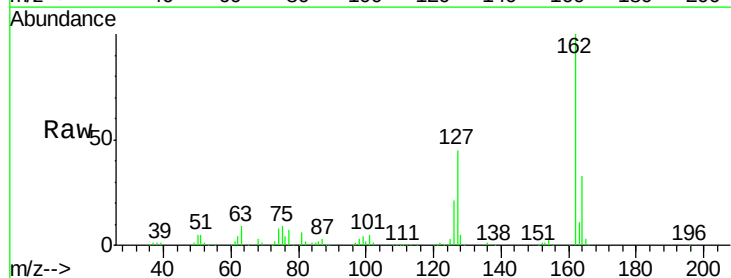
Tgt Ion:162 Resp: 300962

Ion Ratio Lower Upper

162 100

127 44.8 38.1 57.1

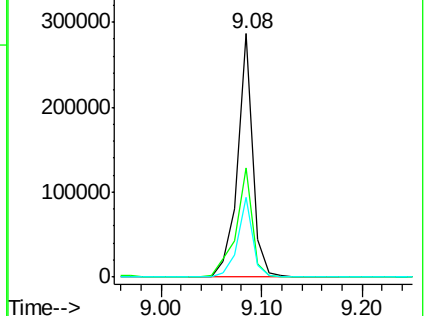
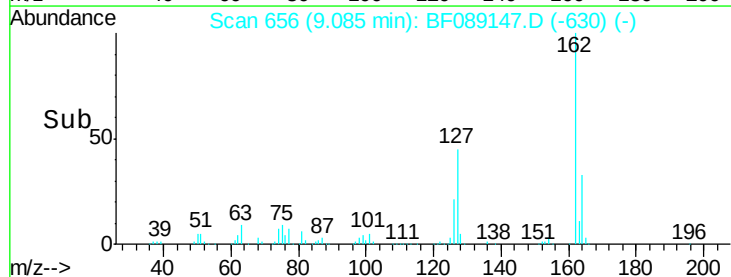
164 32.8 26.1 39.1

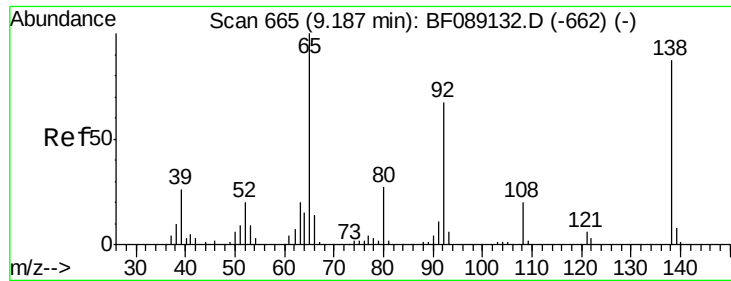


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

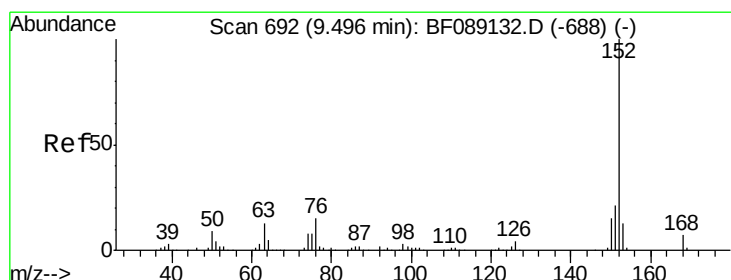
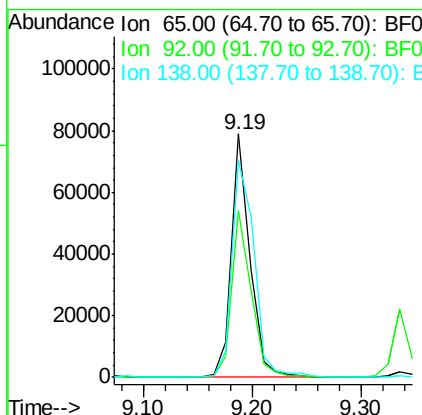
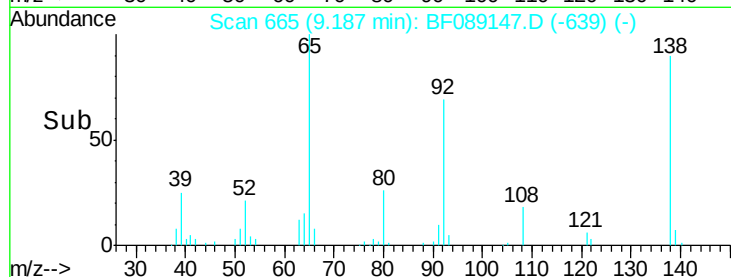
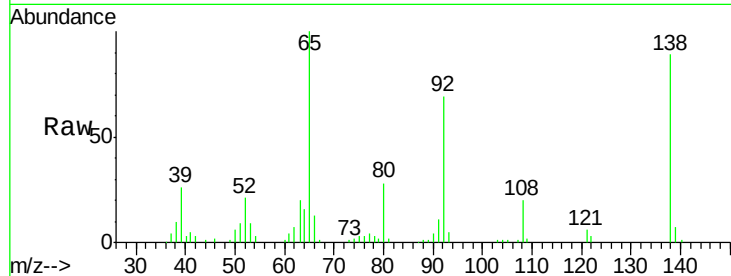




#47
 2-Nitroaniline
 Concen: 34.62 ng
 RT: 9.19 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

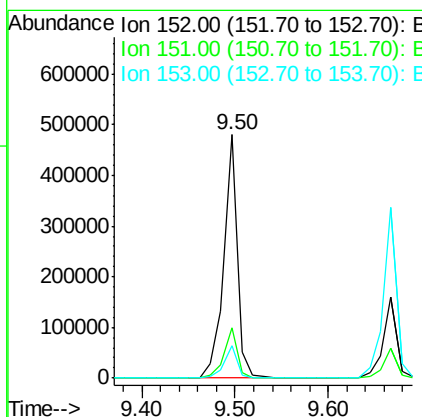
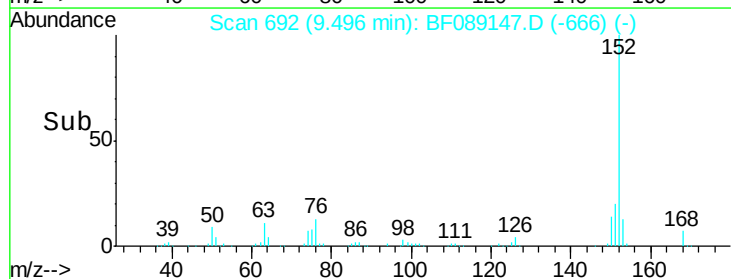
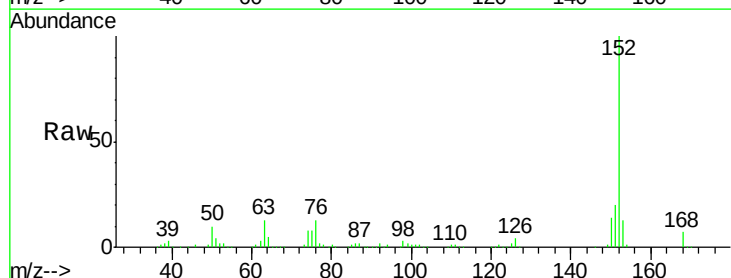
Instrument :
 BNA_F
 ClientSampleId :
 PB92306BS

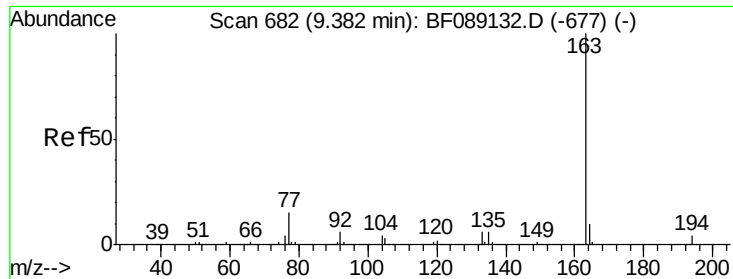
Tgt Ion:	65	Resp:	92518
Ion	Ratio	Lower	Upper
65	100		
92	68.7	53.2	79.8
138	89.2	69.4	104.2



#48
 Acenaphthylene
 Concen: 39.62 ng
 RT: 9.50 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

Tgt Ion:	152	Resp:	485155
Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.5	24.7
153	13.1	10.7	16.1

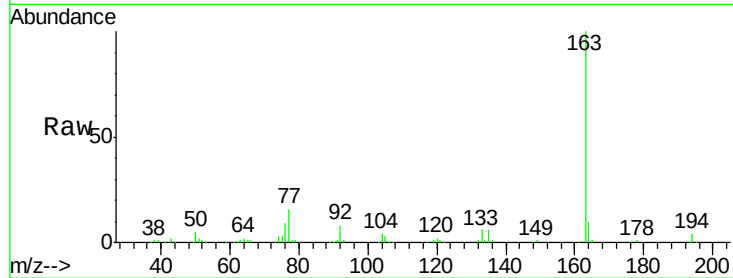




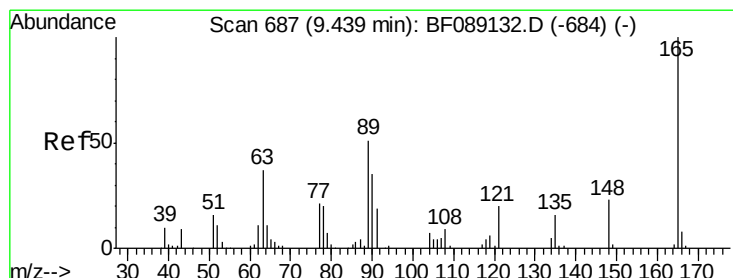
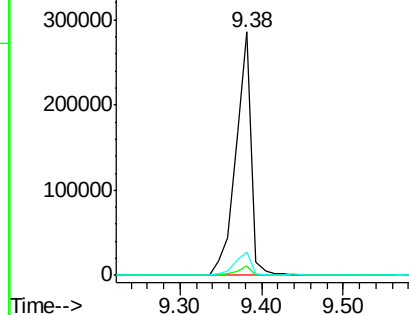
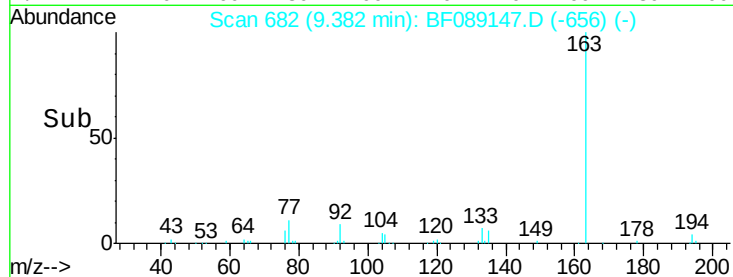
#49
Dimethylphthalate
Concen: 42.53 ng
RT: 9.38 min Scan# 682
Delta R.T. 0.00 min
Lab File: BF089147.D
Acq: 20 Jul 2016 22:53

Instrument :
BNA_F
ClientSampleId :
PB92306BS

Tgt Ion:163 Resp: 371525
Ion Ratio Lower Upper
163 100
194 3.6 2.9 4.3
164 9.7 7.6 11.4

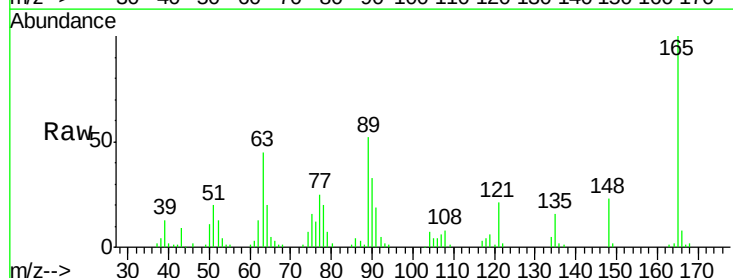


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

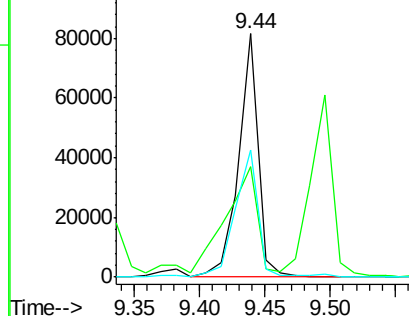
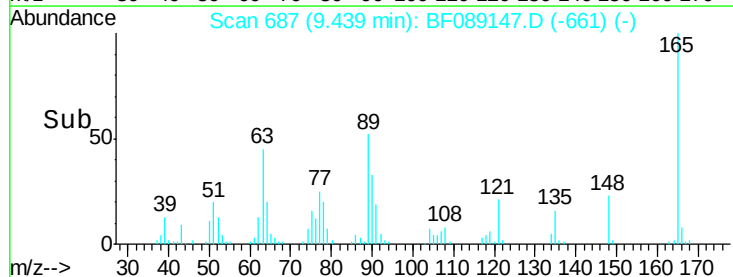


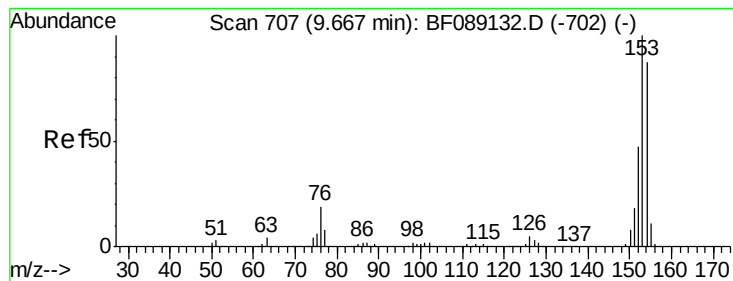
#50
2,6-Dinitrotoluene
Concen: 42.74 ng
RT: 9.44 min Scan# 687
Delta R.T. 0.00 min
Lab File: BF089147.D
Acq: 20 Jul 2016 22:53

Tgt Ion:165 Resp: 84285
Ion Ratio Lower Upper
165 100
63 45.5 37.0 55.4
89 52.2 40.9 61.3



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: 40.31 ng

RT: 9.67 min Scan# 707

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

Instrument :

BNA_F

ClientSampleId :

PB92306BS

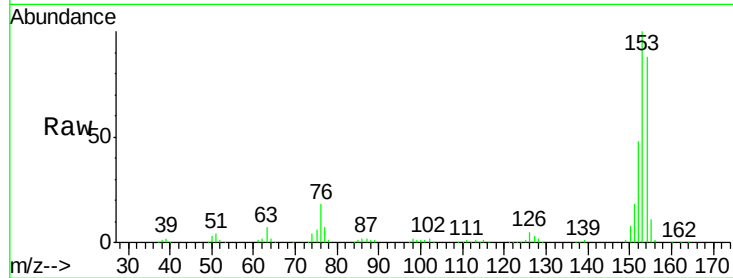
Tgt Ion:154 Resp: 291994

Ion Ratio Lower Upper

154 100

153 113.5 91.9 137.9

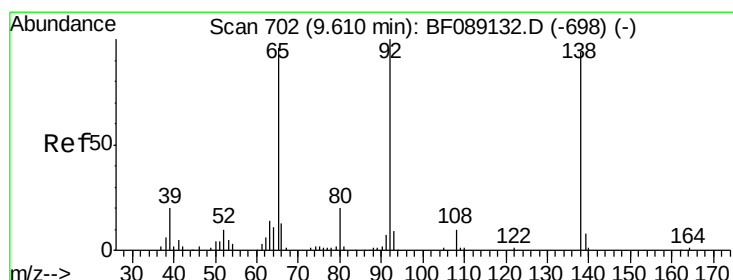
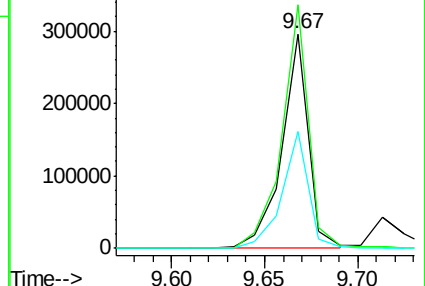
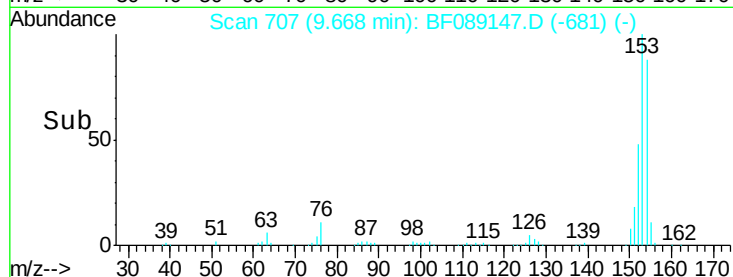
152 54.2 42.8 64.2



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: 18.08 ng

RT: 9.60 min Scan# 701

Delta R.T. -0.01 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

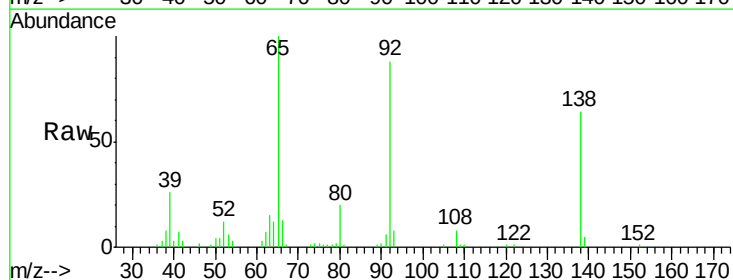
Tgt Ion:138 Resp: 42333

Ion Ratio Lower Upper

138 100

108 12.5 8.8 13.2

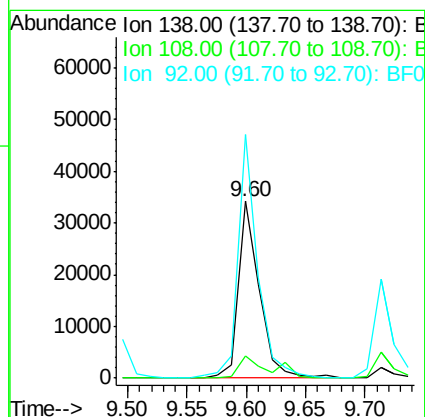
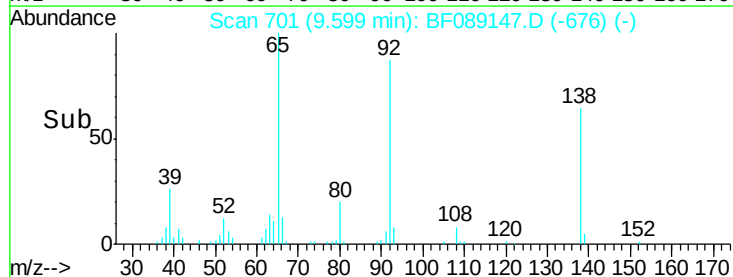
92 137.8 85.3 127.9#

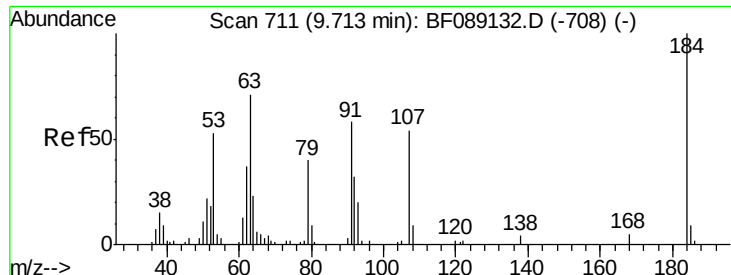


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

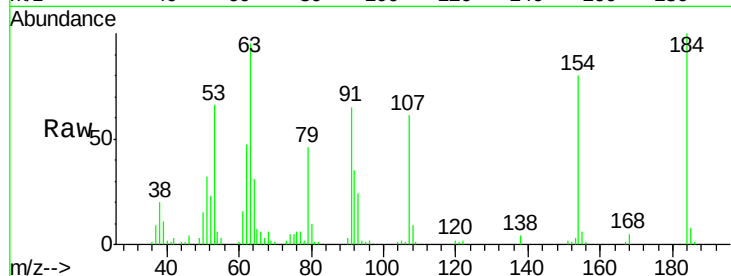




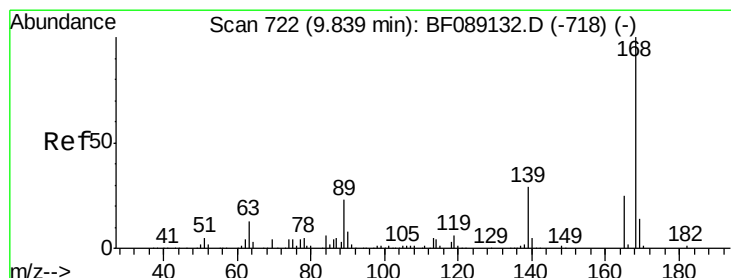
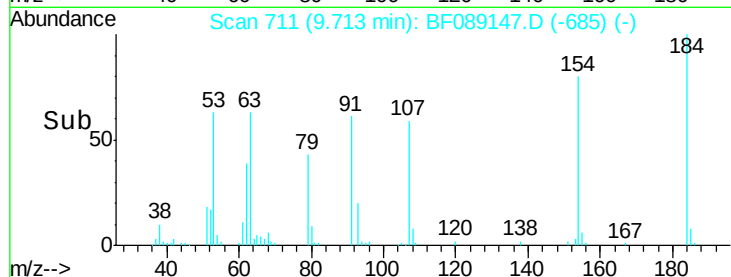
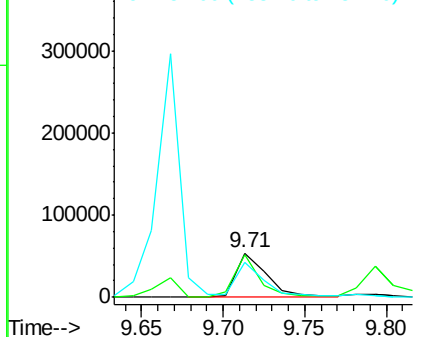
#53
2,4-Dinitrophenol
Concen: 71.60 ng
RT: 9.71 min Scan# 711
Delta R.T. 0.00 min
Lab File: BF089147.D
Acq: 20 Jul 2016 22:53

Instrument :
BNA_F
ClientSampleId :
PB92306BS

Tgt Ion:184 Resp: 70995
Ion Ratio Lower Upper
184 100
63 95.0 60.3 90.5#
154 79.9 60.7 91.1

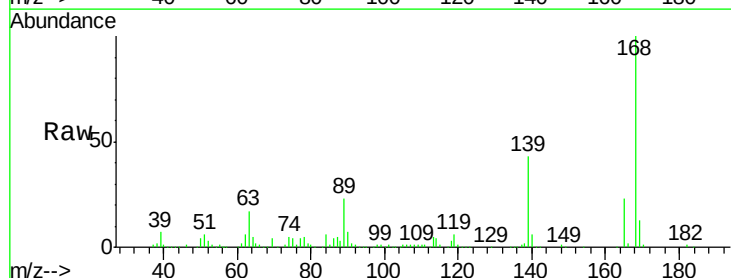


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

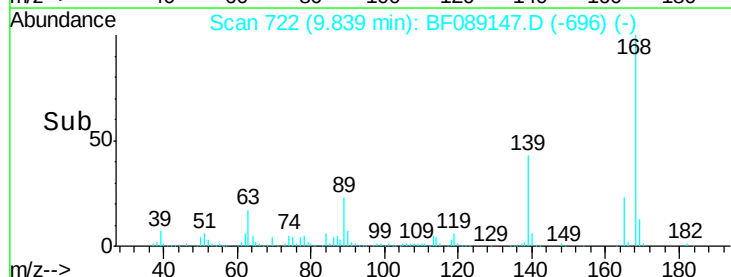
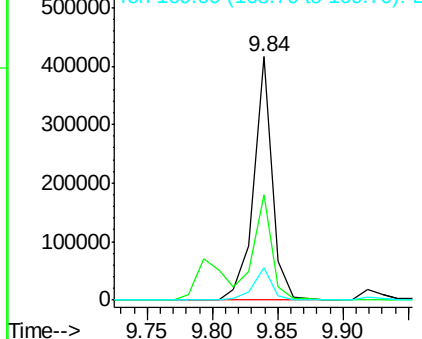


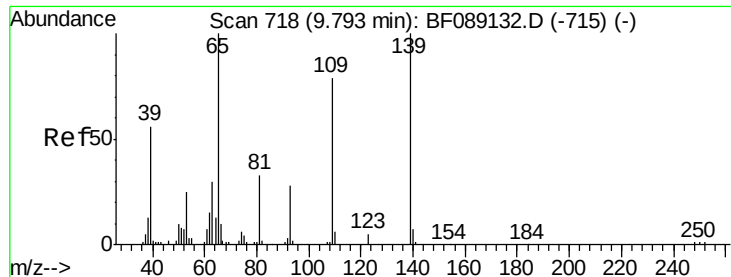
#54
Dibenzofuran
Concen: 42.20 ng
RT: 9.84 min Scan# 722
Delta R.T. 0.00 min
Lab File: BF089147.D
Acq: 20 Jul 2016 22:53

Tgt Ion:168 Resp: 413109
Ion Ratio Lower Upper
168 100
139 43.3 34.4 51.6
169 13.2 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

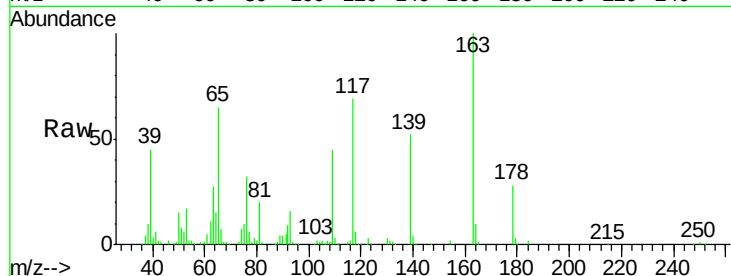




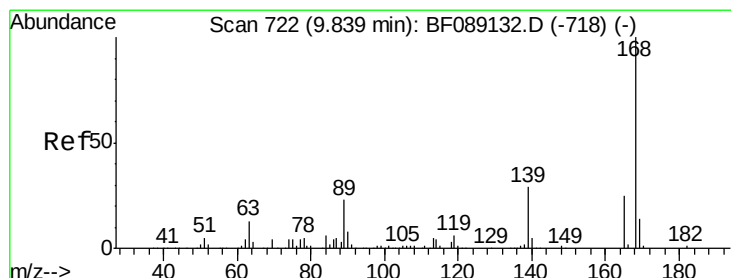
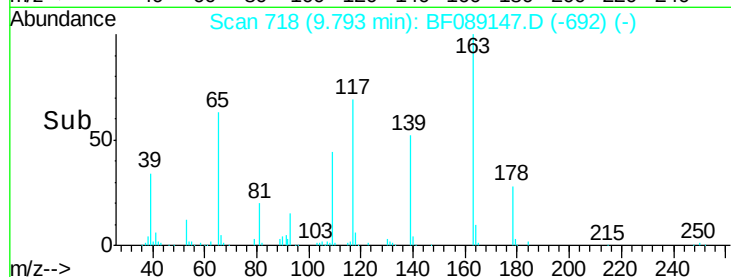
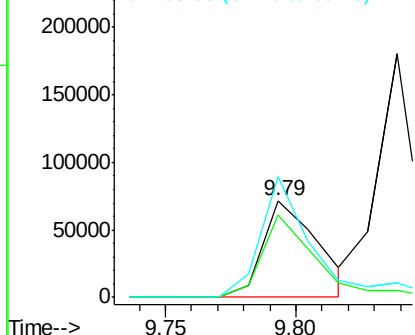
#55
4-Nitrophenol
Concen: 74.10 ng
RT: 9.79 min Scan# 718
Delta R.T. 0.00 min
Lab File: BF089147.D
Acq: 20 Jul 2016 22:53

Instrument :
BNA_F
ClientSampleId :
PB92306BS

Tgt Ion:139 Resp: 104998
Ion Ratio Lower Upper
139 100
109 85.8 58.7 98.7
65 124.6 80.2 120.2#



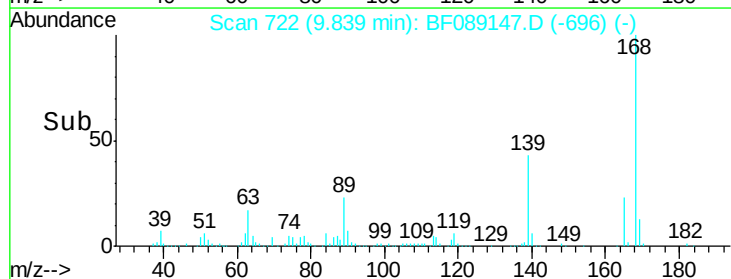
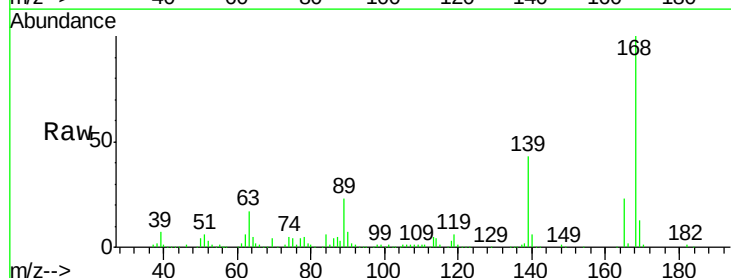
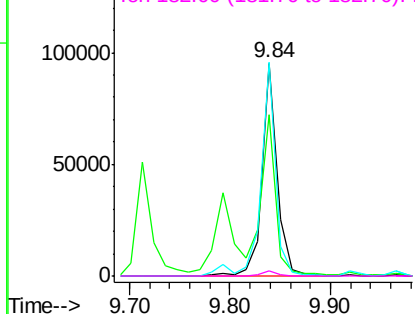
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

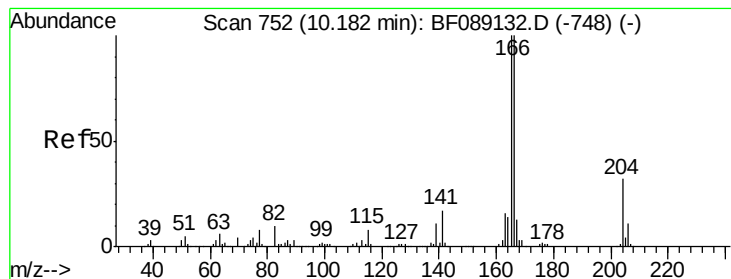


#56
2,4-Dinitrotoluene
Concen: 39.34 ng
RT: 9.84 min Scan# 722
Delta R.T. 0.00 min
Lab File: BF089147.D
Acq: 20 Jul 2016 22:53

Tgt Ion:165 Resp: 99930
Ion Ratio Lower Upper
165 100
63 76.1 55.4 83.2
89 100.3 74.3 111.5
182 2.6 2.0 3.0

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: 43.02 ng

RT: 10.18 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

Instrument :

BNA_F

ClientSampleId :

PB92306BS

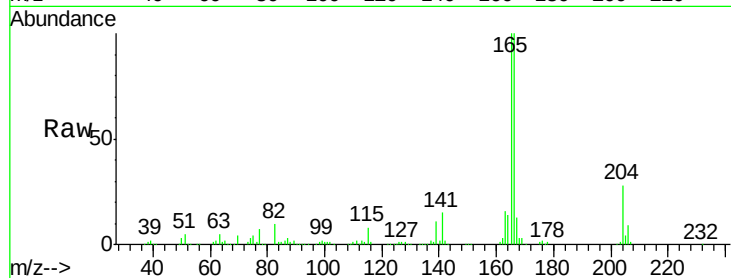
Tgt Ion:166 Resp: 357511

Ion Ratio Lower Upper

166 100

165 99.8 79.9 119.9

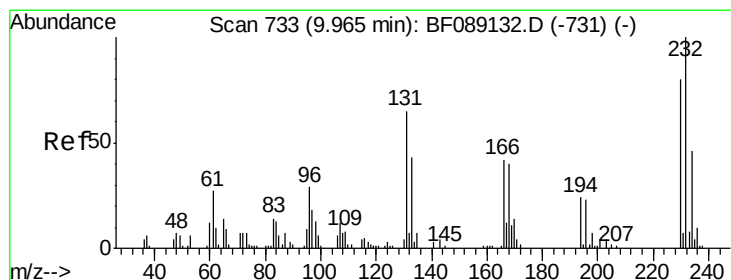
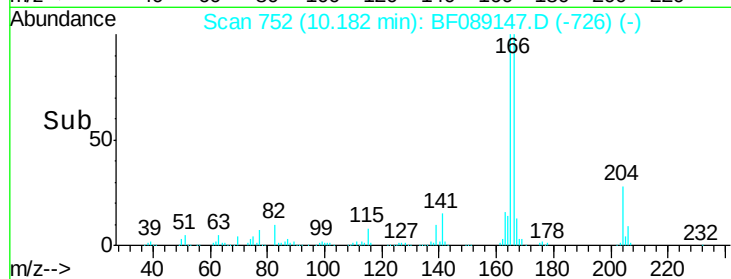
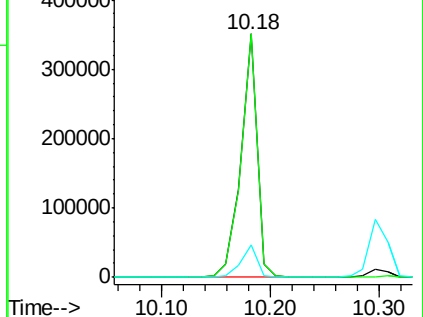
167 13.3 10.7 16.1



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: 46.56 ng

RT: 9.96 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

Tgt Ion:232 Resp: 79478

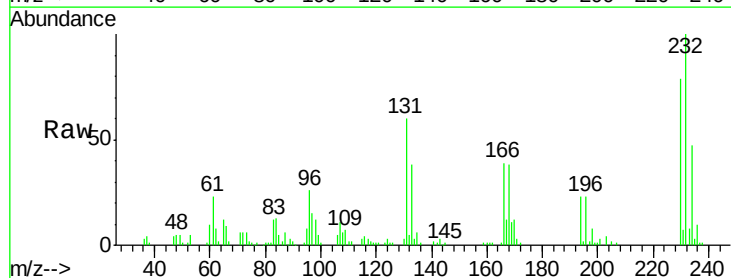
Ion Ratio Lower Upper

232 100

131 59.2 46.2 69.2

130 2.8 2.3 3.5

166 36.2 29.5 44.3

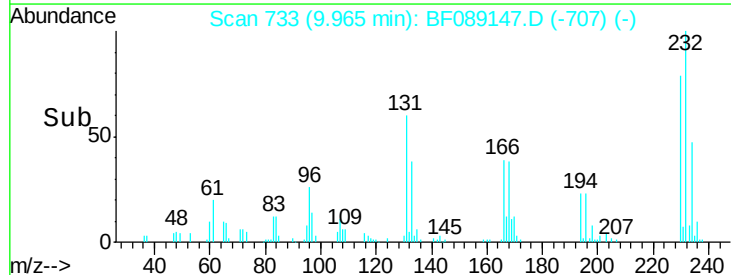
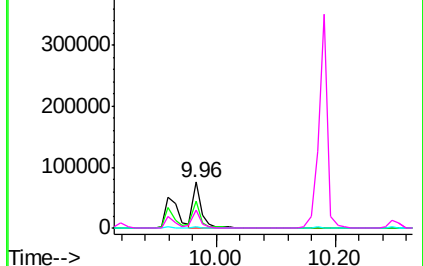


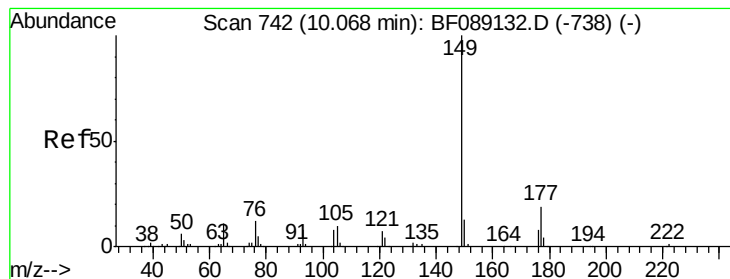
Abundance Ion 232.00 (231.70 to 232.70): E

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: 41.39 ng

RT: 10.07 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

Instrument :

BNA_F

ClientSampleId :

PB92306BS

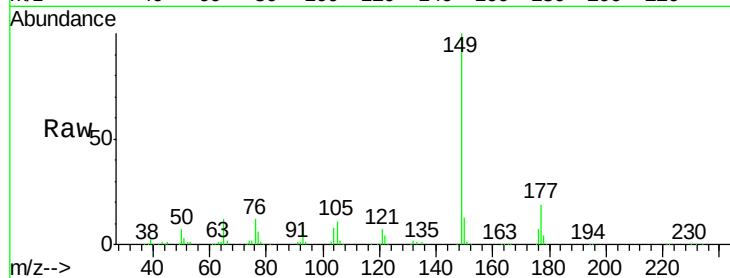
Tgt Ion:149 Resp: 358480

Ion Ratio Lower Upper

149 100

177 18.8 15.6 23.4

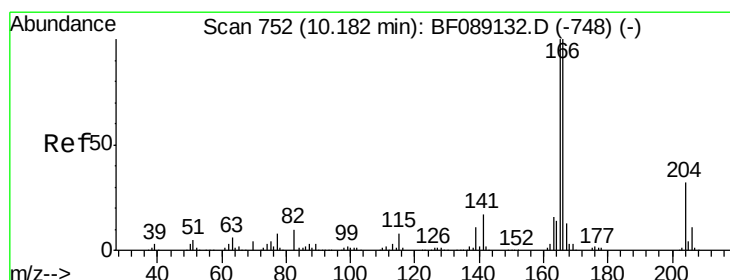
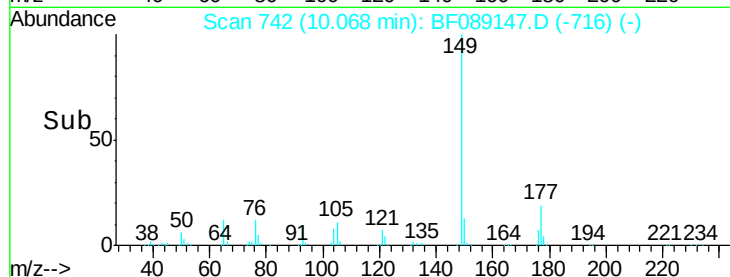
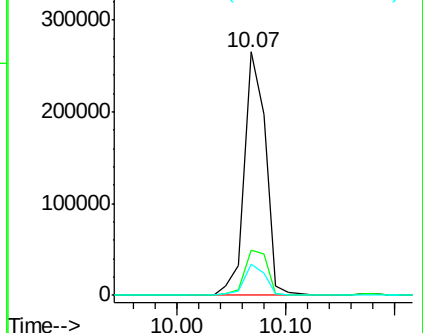
150 12.6 10.1 15.1



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: 38.43 ng

RT: 10.17 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

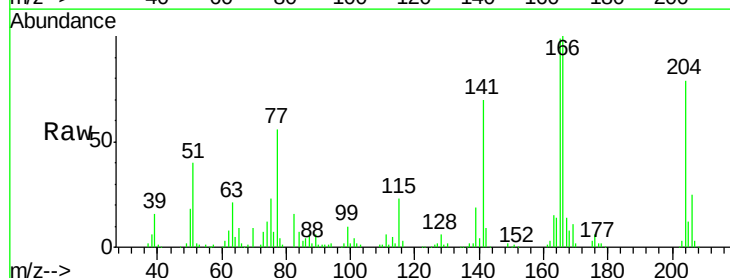
Tgt Ion:204 Resp: 145770

Ion Ratio Lower Upper

204 100

206 32.0 26.2 39.4

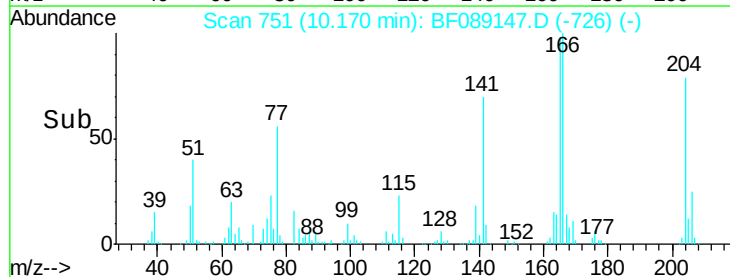
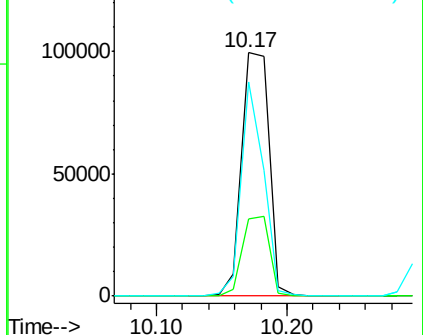
141 88.2 42.2 63.4#

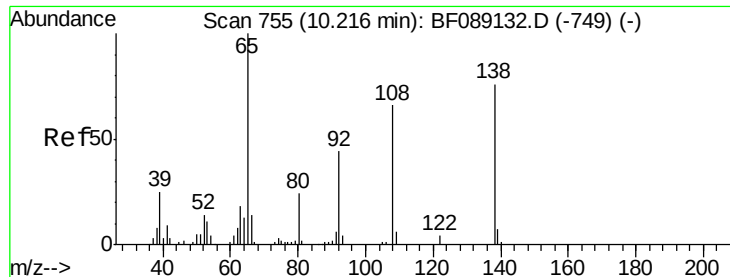


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 36.78 ng

RT: 10.23 min Scan# 756

Delta R.T. 0.01 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

Instrument :

BNA_F

ClientSampleId :

PB92306BS

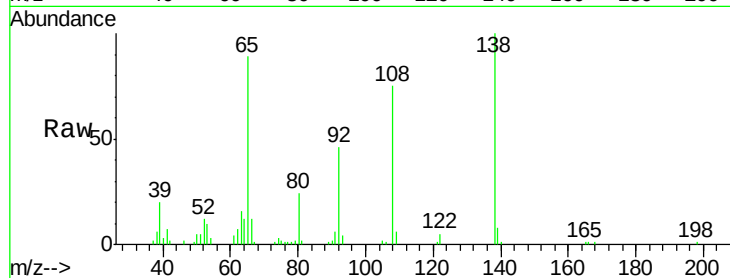
Tgt Ion:138 Resp: 83802

Ion Ratio Lower Upper

138 100

92 45.8 37.2 77.2

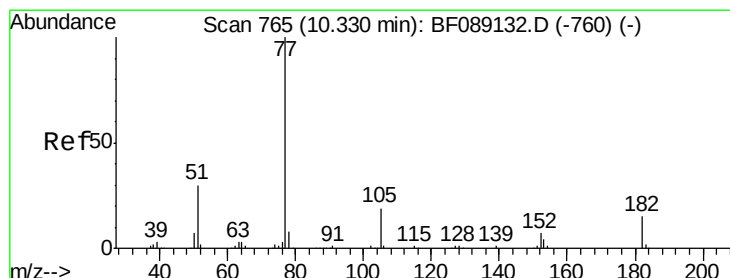
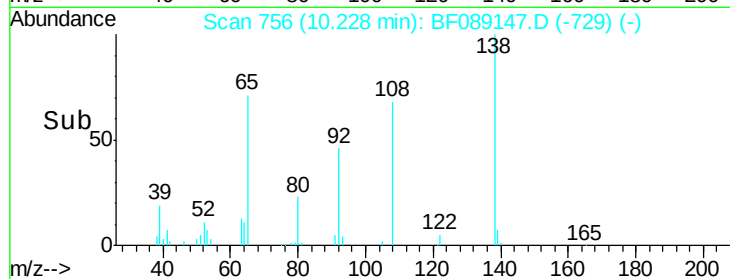
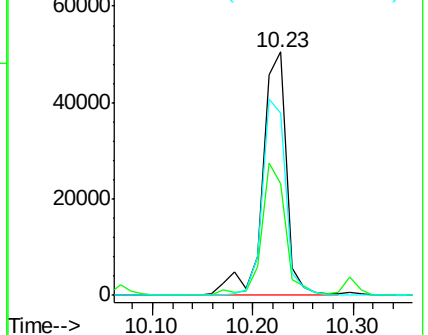
108 74.9 66.1 106.1



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: 41.08 ng

RT: 10.33 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

Tgt Ion: 77 Resp: 386672

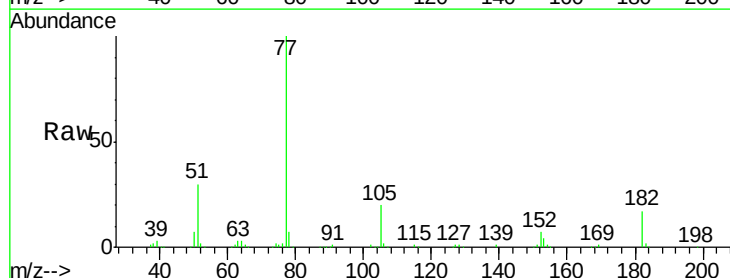
Ion Ratio Lower Upper

77 100

182 16.6 0.0 35.0

105 20.0 0.0 39.4

51 30.0 10.7 50.7

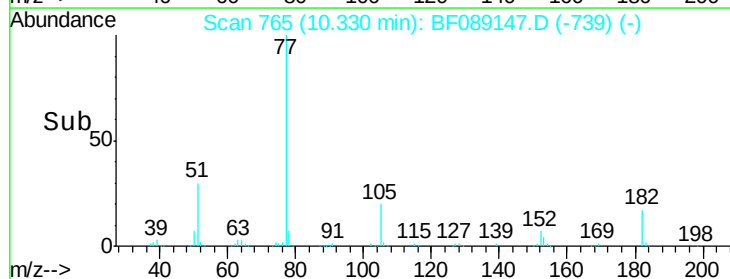
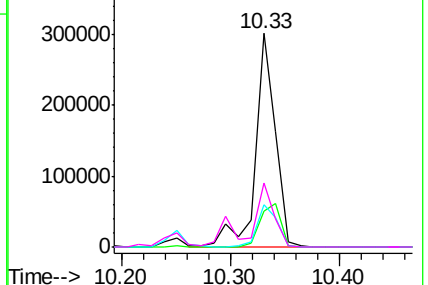


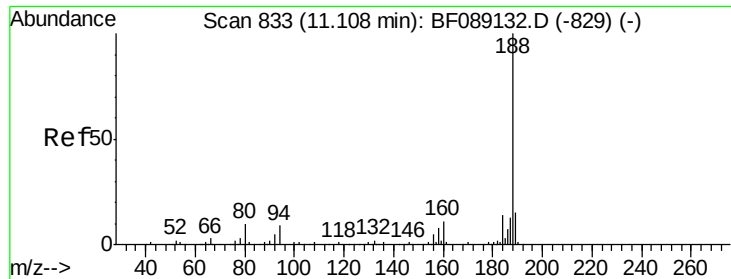
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

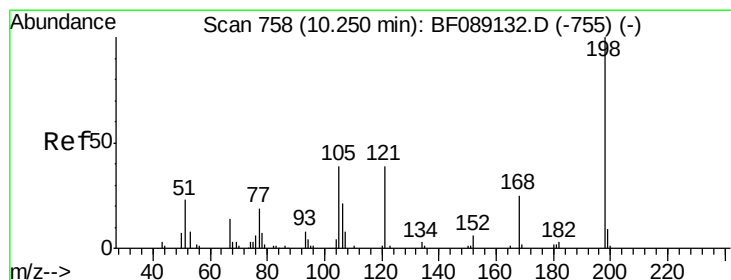
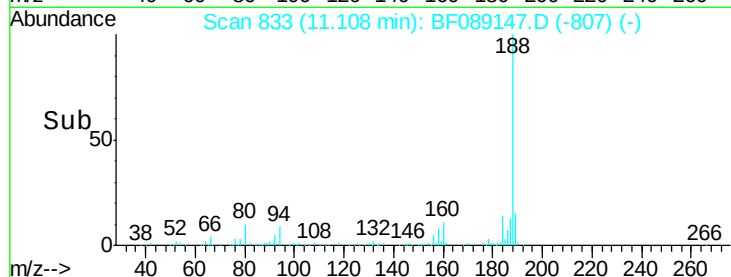
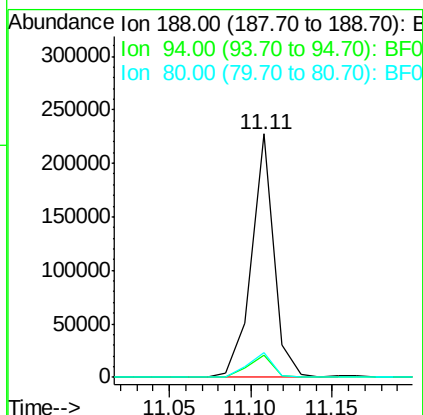
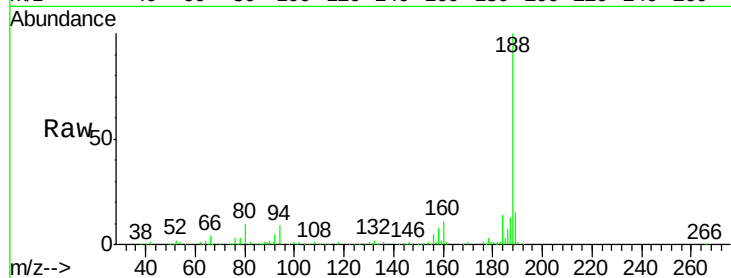




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 833
Delta R.T. 0.00 min
Lab File: BF089147.D
Acq: 20 Jul 2016 22:53

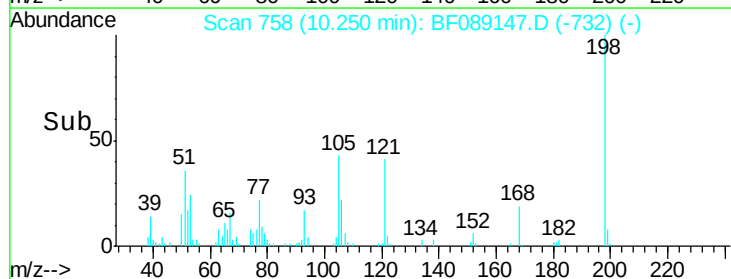
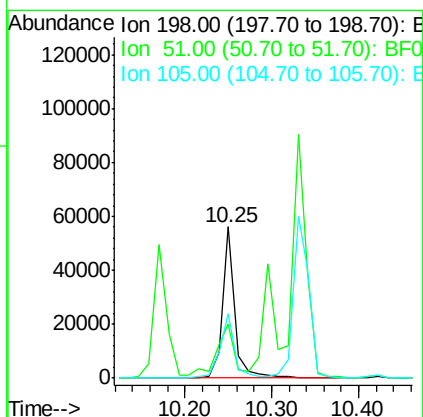
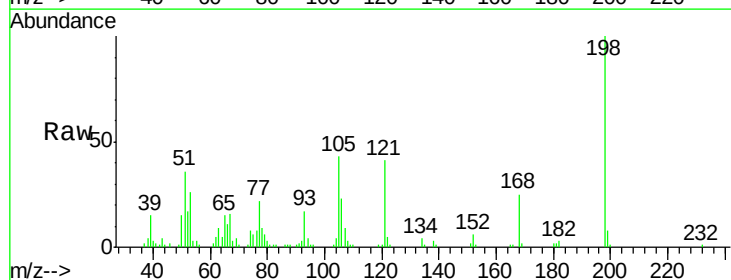
Instrument :
BNA_F
ClientSampleId :
PB92306BS

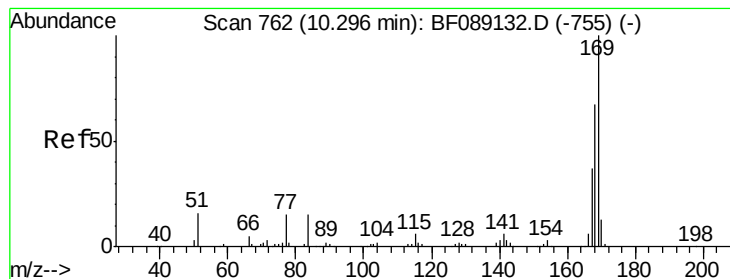
Tgt Ion:188 Resp: 217339
Ion Ratio Lower Upper
188 100
94 9.1 7.0 10.4
80 10.1 7.7 11.5



#64
4,6-Dinitro-2-methylphenol
Concen: 43.94 ng
RT: 10.25 min Scan# 758
Delta R.T. 0.00 min
Lab File: BF089147.D
Acq: 20 Jul 2016 22:53

Tgt Ion:198 Resp: 55601
Ion Ratio Lower Upper
198 100
51 35.6 11.7 51.7
105 42.9 20.3 60.3





#65

n-Nitrosodiphenylamine

Concen: 38.66 ng

RT: 10.30 min Scan# 762

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

Instrument :

BNA_F

ClientSampleId :

PB92306BS

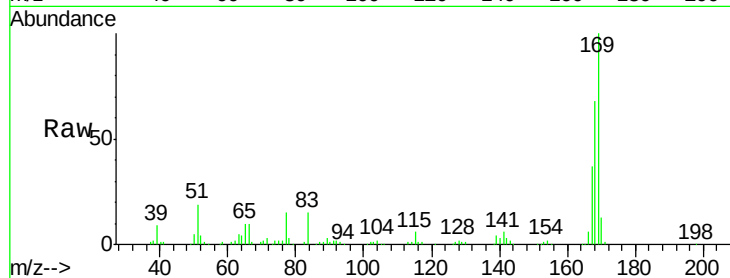
Tgt Ion:169 Resp: 280803

Ion Ratio Lower Upper

169 100

168 67.5 53.4 80.0

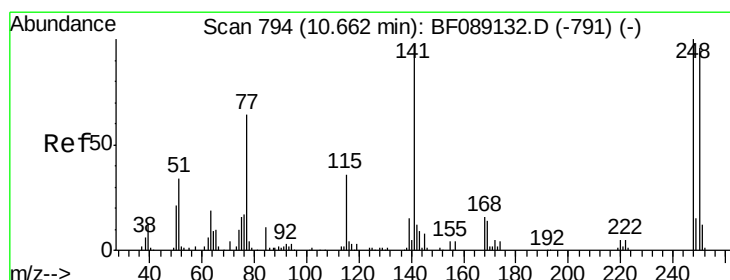
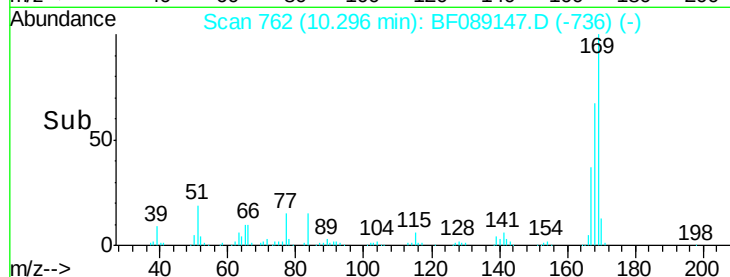
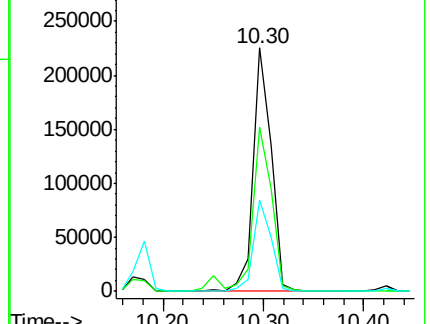
167 37.2 29.5 44.3



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: 43.44 ng

RT: 10.66 min Scan# 794

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

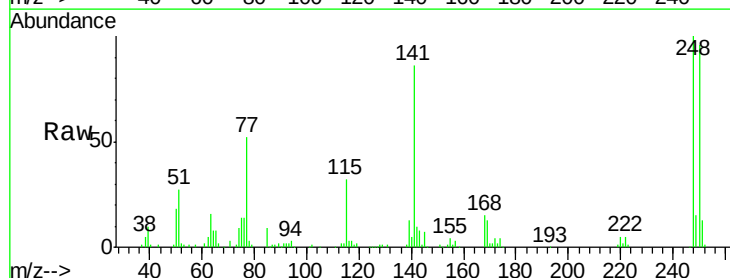
Tgt Ion:248 Resp: 93420

Ion Ratio Lower Upper

248 100

250 96.0 76.9 115.3

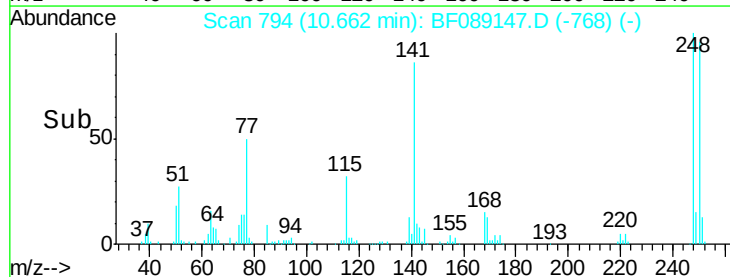
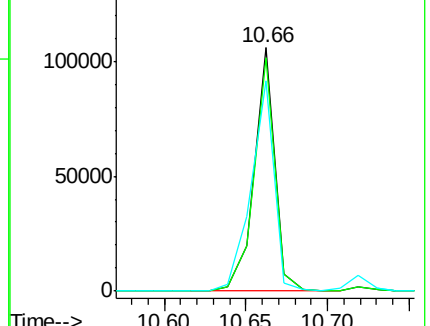
141 86.4 77.4 116.2

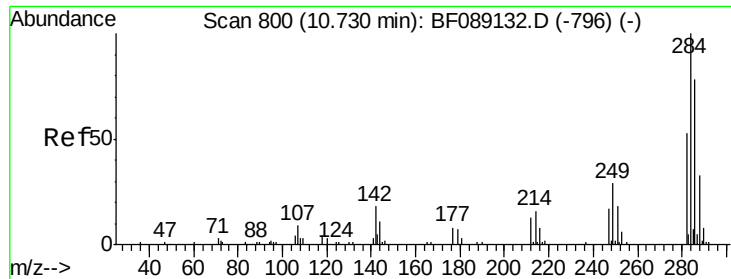


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

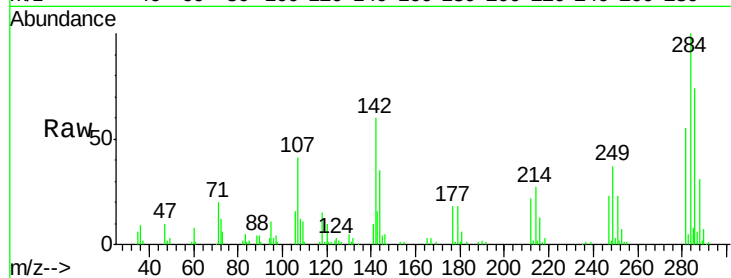




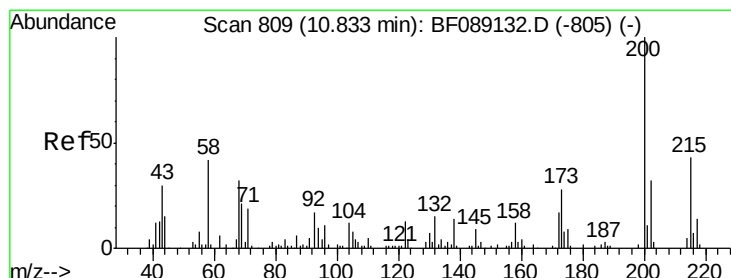
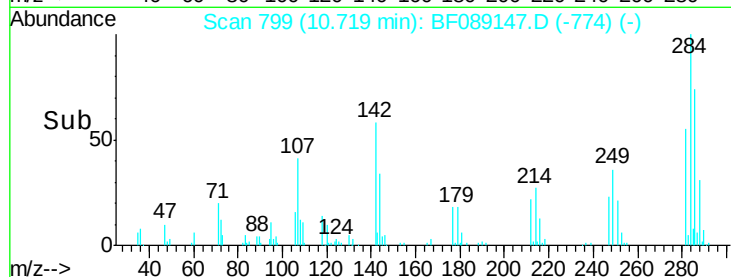
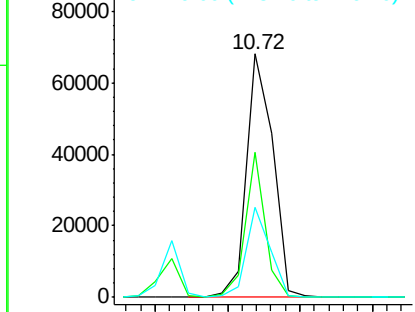
#67
Hexachlorobenzene
Concen: 36.96 ng
RT: 10.72 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF089147.D
Acq: 20 Jul 2016 22:53

Instrument :
BNA_F
ClientSampleId :
PB92306BS

Tgt Ion:284 Resp: 85501
Ion Ratio Lower Upper
284 100
142 59.8 14.1 21.1#
249 37.0 23.0 34.4#

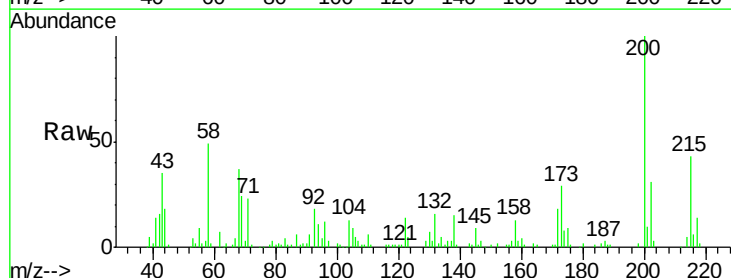


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

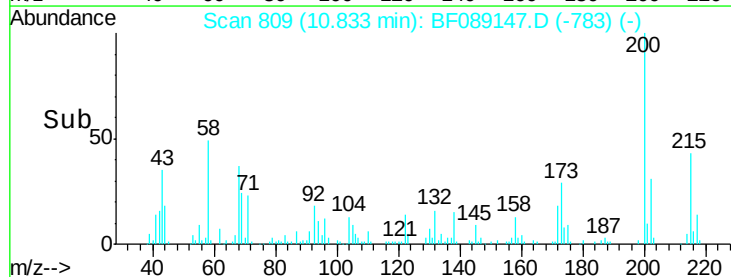
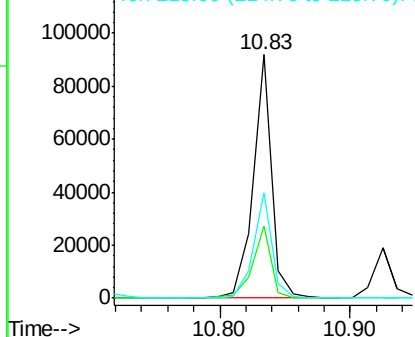


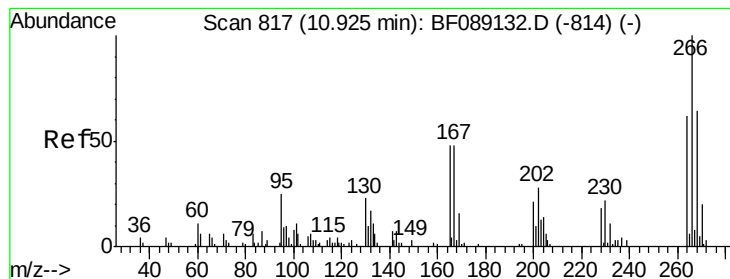
#68
Atrazine
Concen: 39.84 ng
RT: 10.83 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF089147.D
Acq: 20 Jul 2016 22:53

Tgt Ion:200 Resp: 90492
Ion Ratio Lower Upper
200 100
173 29.4 7.8 47.8
215 43.5 22.9 62.9



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: 86.12 ng

RT: 10.92 min Scan# 817

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

Instrument :

BNA_F

ClientSampleId :

PB92306BS

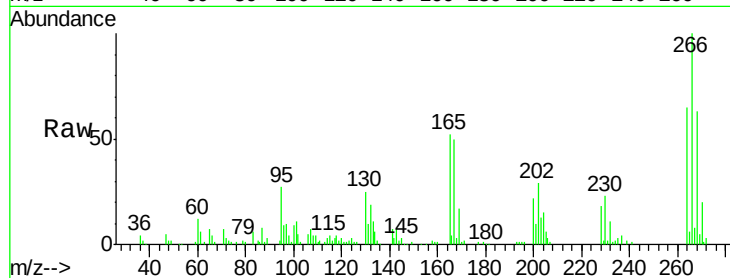
Tgt Ion:266 Resp: 91902

Ion Ratio Lower Upper

266 100

268 63.3 51.2 76.8

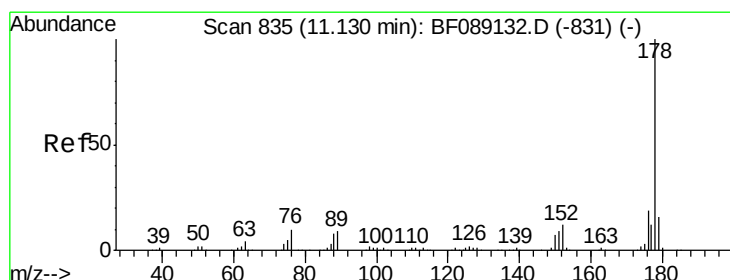
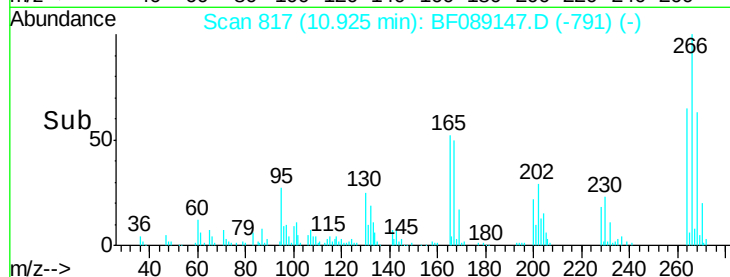
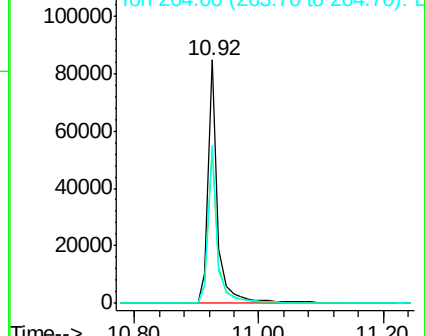
264 65.1 49.7 74.5



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: 39.72 ng

RT: 11.13 min Scan# 835

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

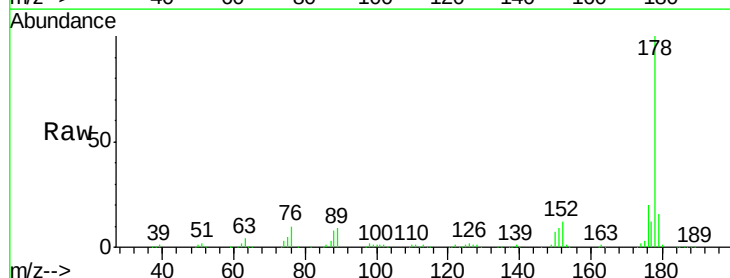
Tgt Ion:178 Resp: 473607

Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

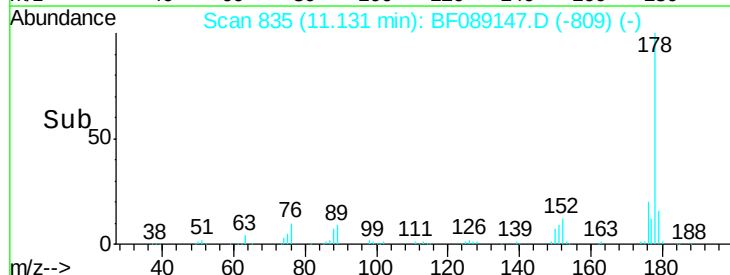
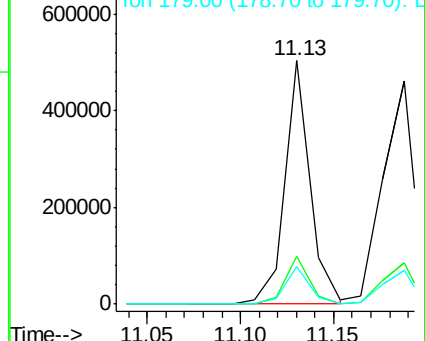
179 15.6 12.4 18.6

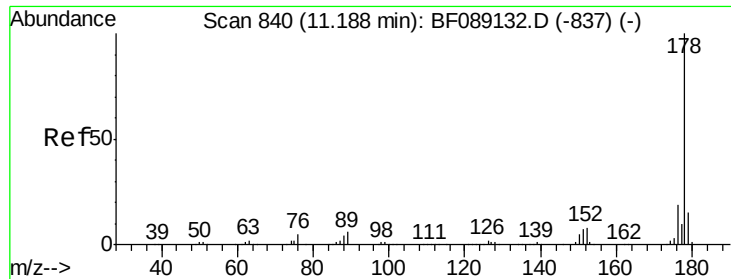


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

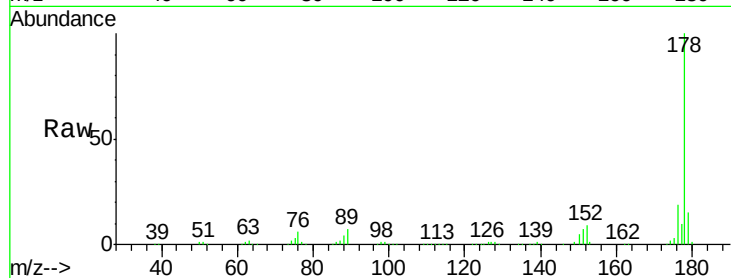




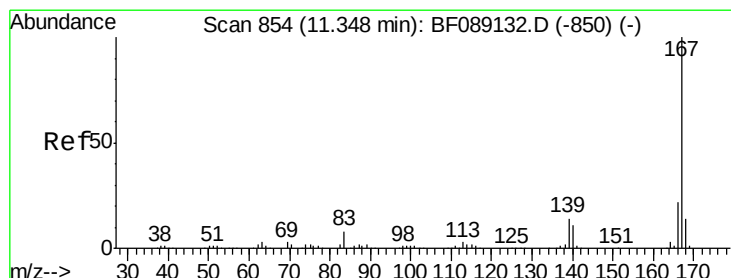
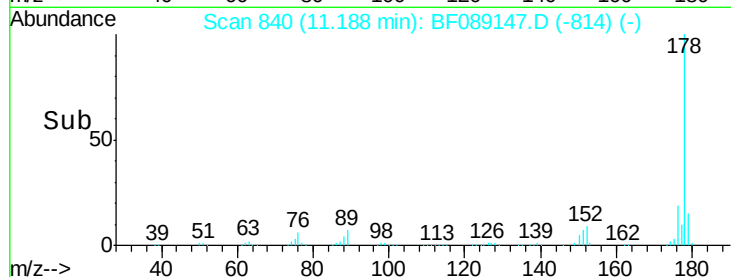
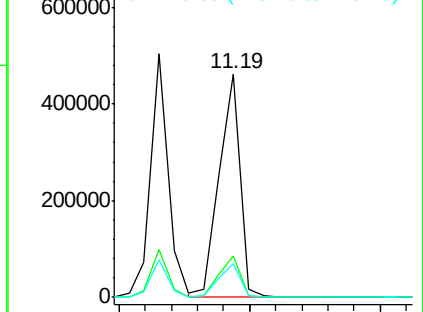
#71
 Anthracene
 Concen: 42.12 ng
 RT: 11.19 min Scan# 840
 Delta R.T. 0.00 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

Instrument :
 BNA_F
 ClientSampleId :
 PB92306BS

Tgt Ion:178 Resp: 521926
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.9 22.3
 179 15.1 12.0 18.0

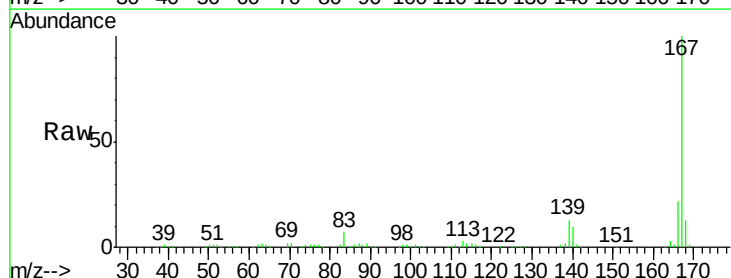


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

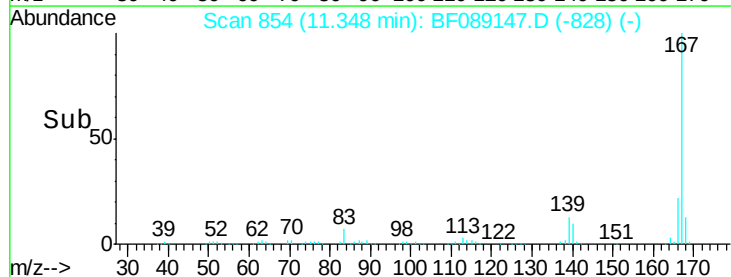
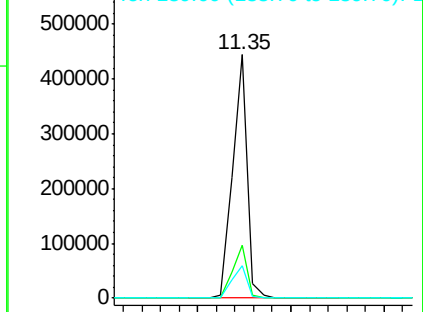


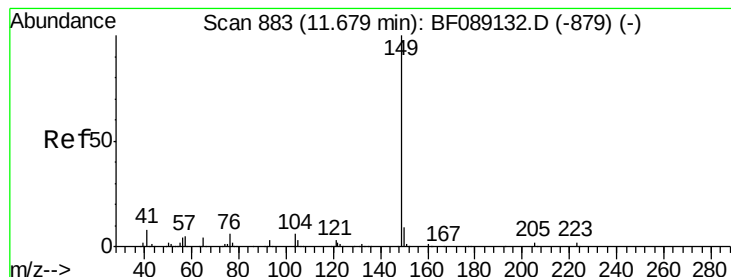
#72
 Carbazole
 Concen: 44.52 ng
 RT: 11.35 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

Tgt Ion:167 Resp: 484615
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.7 26.5
 139 13.1 11.0 16.4



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: 38.55 ng

RT: 11.68 min Scan# 883

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

Instrument :

BNA_F

ClientSampleId :

PB92306BS

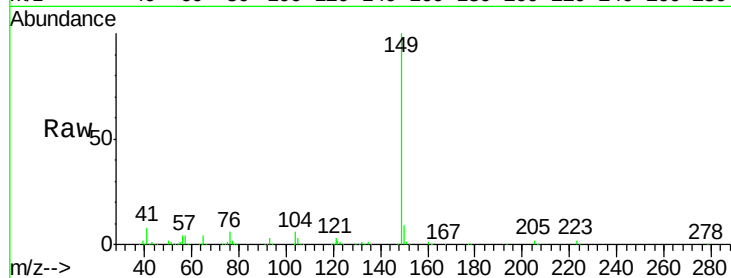
Tgt Ion:149 Resp: 518952

Ion Ratio Lower Upper

149 100

150 9.5 7.4 11.2

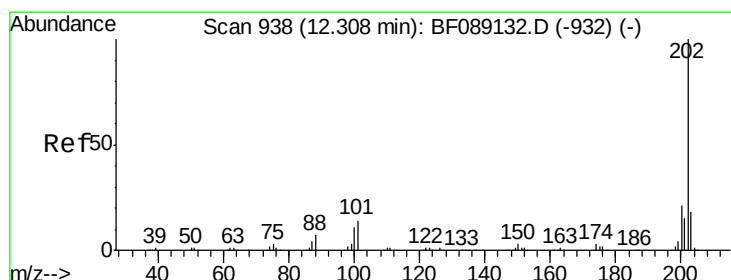
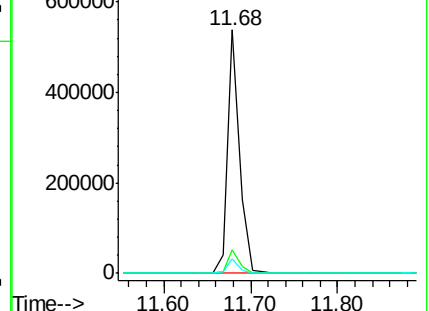
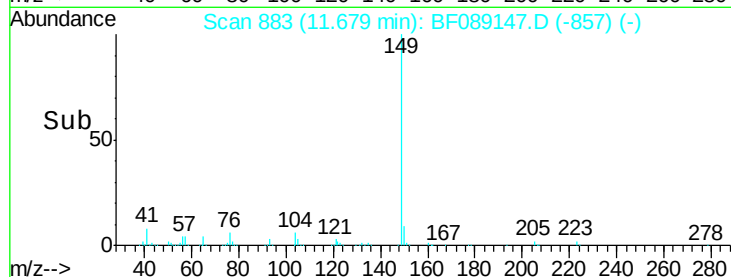
104 5.8 4.6 6.8



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: 39.39 ng

RT: 12.31 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

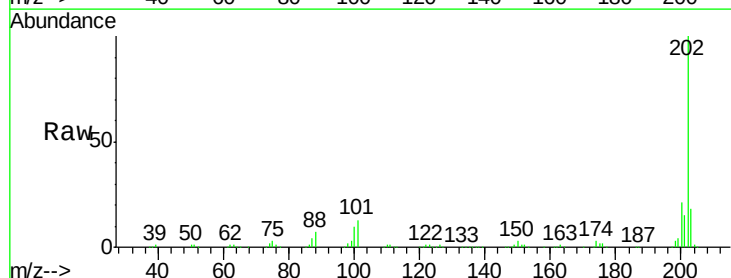
Tgt Ion:202 Resp: 493667

Ion Ratio Lower Upper

202 100

101 13.3 0.0 34.0

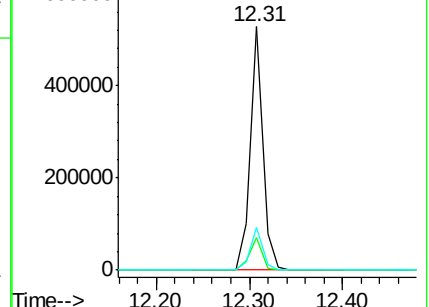
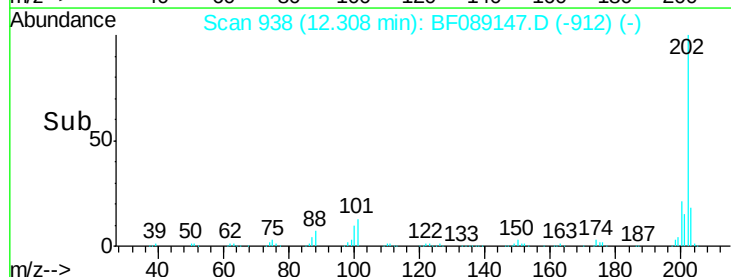
203 17.8 0.0 37.8

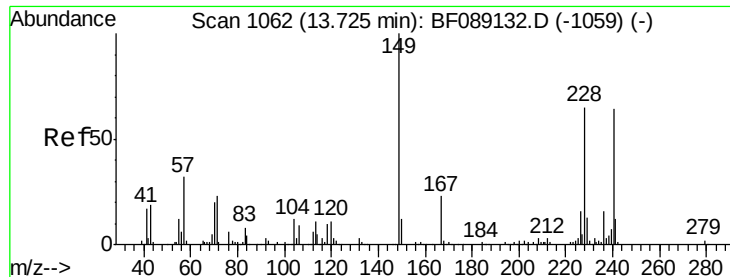


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.73 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

Instrument :

BNA_F

ClientSampleId :

PB92306BS

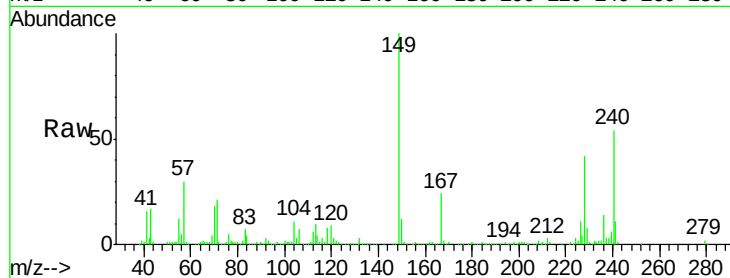
Tgt Ion:240 Resp: 153945

Ion Ratio Lower Upper

240 100

120 15.7 13.6 20.4

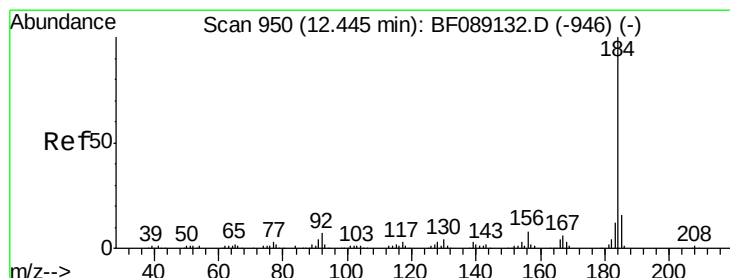
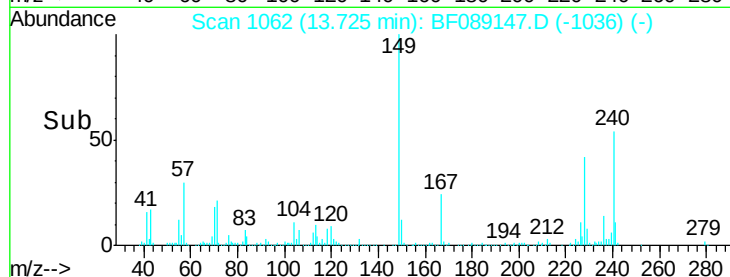
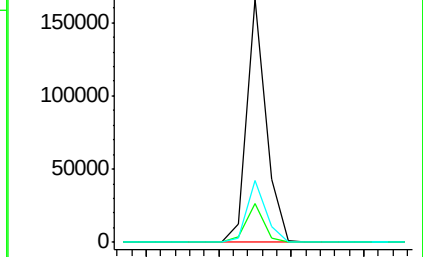
236 25.5 20.5 30.7



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: 29.53 ng

RT: 12.44 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

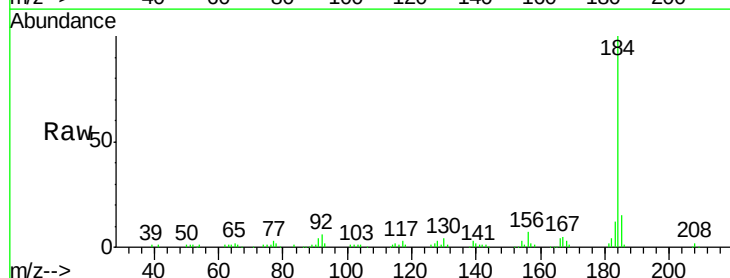
Tgt Ion:184 Resp: 156296

Ion Ratio Lower Upper

184 100

185 14.6 12.5 18.7

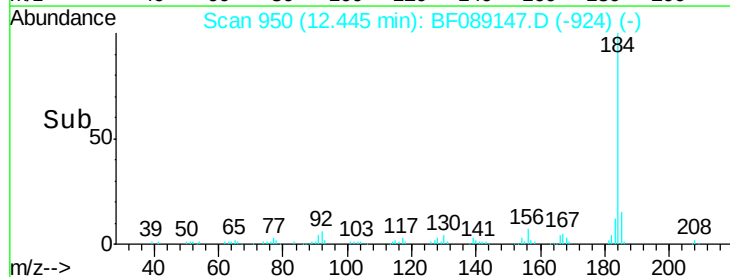
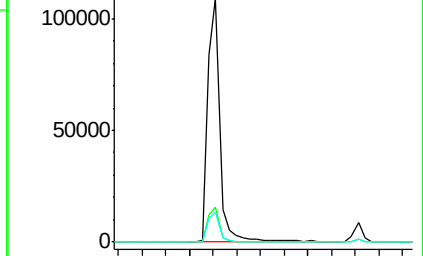
183 12.0 9.6 14.4

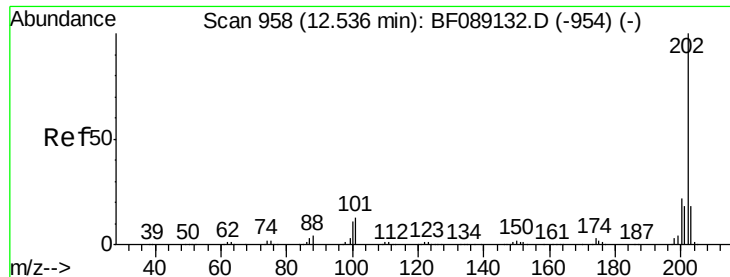


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

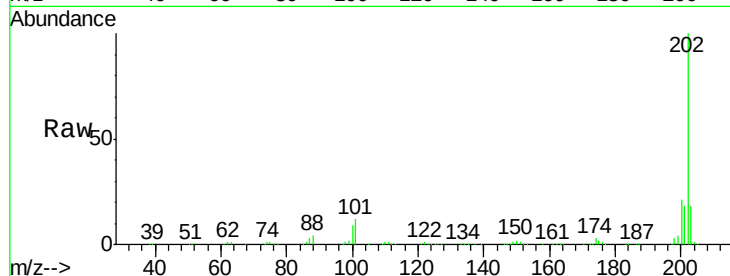




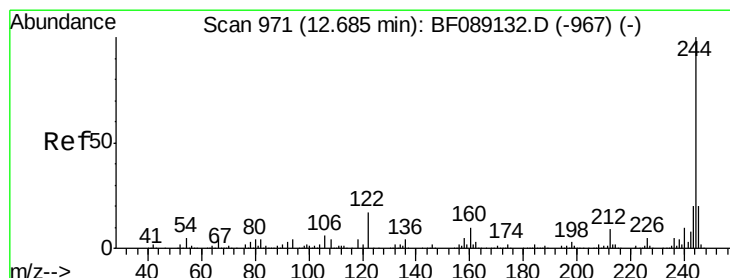
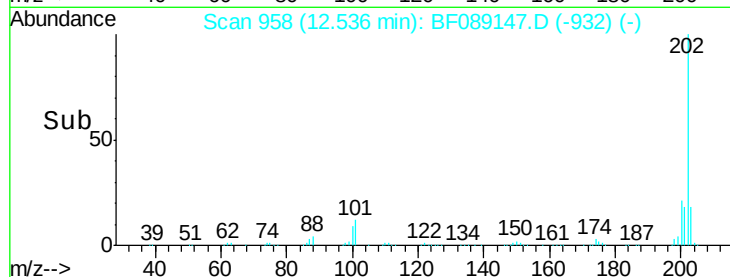
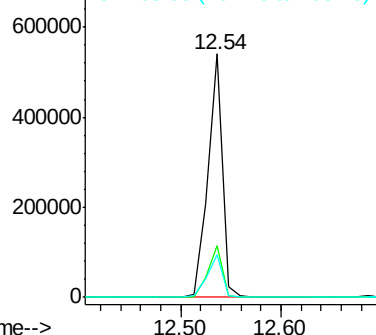
#77
Pyrene
 Concen: 42.30 ng
 RT: 12.54 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

Instrument :
 BNA_F
 ClientSampleId :
 PB92306BS

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.0
203	17.7	14.2	21.2

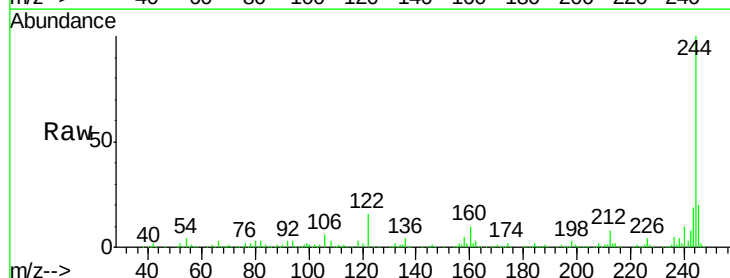


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

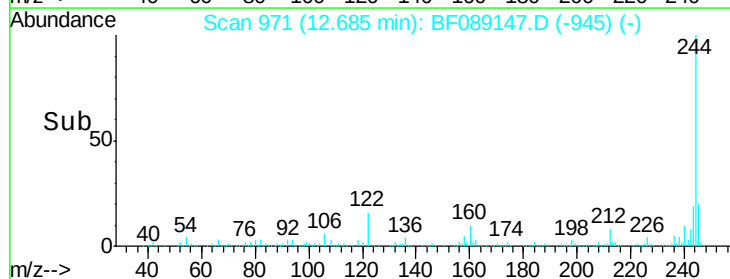
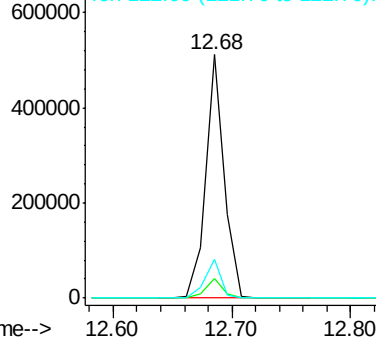


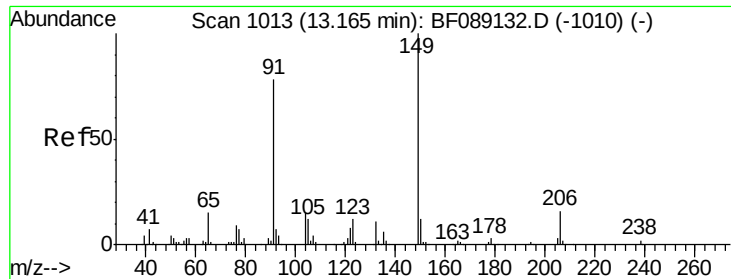
#78
Terphenyl-d14
 Concen: 77.31 ng
 RT: 12.68 min Scan# 971
 Delta R.T. 0.00 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.2	7.0	10.4
122	16.1	13.8	20.8



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

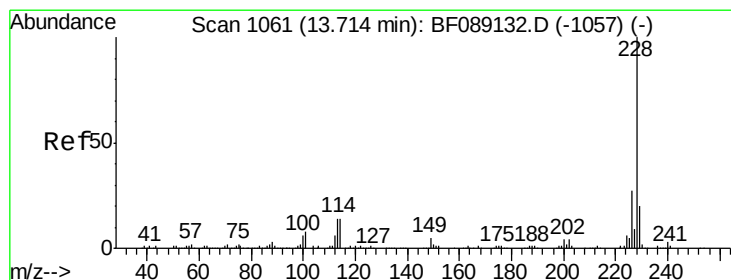
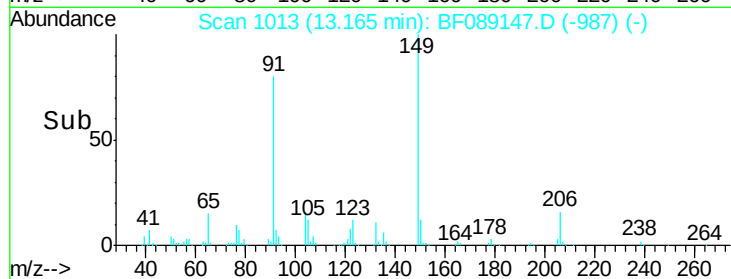
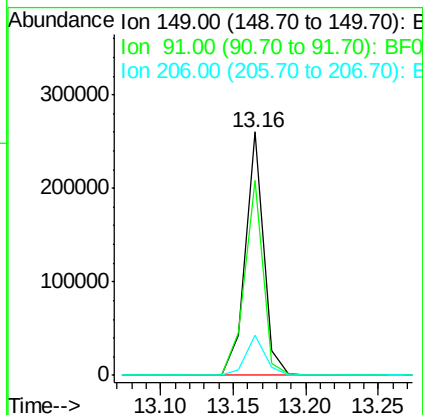
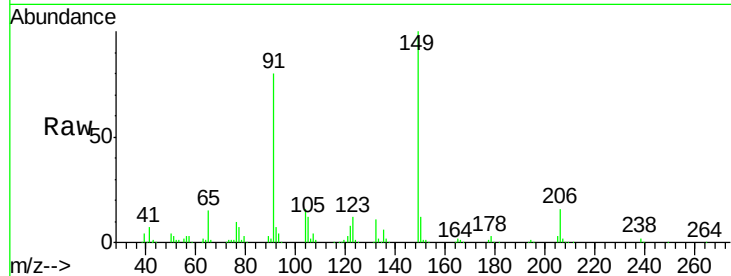




#79
Butylbenzylphthalate
Concen: 42.50 ng
RT: 13.16 min Scan# 1013
Delta R.T. 0.00 min
Lab File: BF089147.D
Acq: 20 Jul 2016 22:53

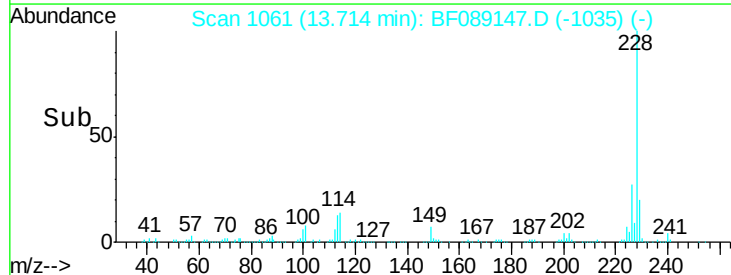
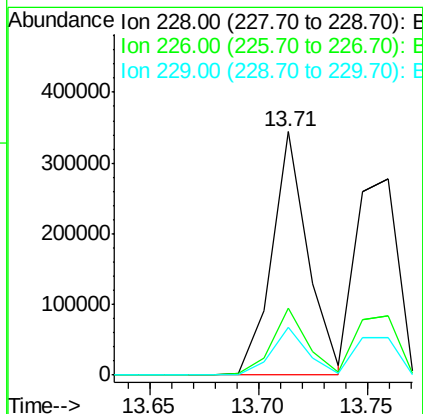
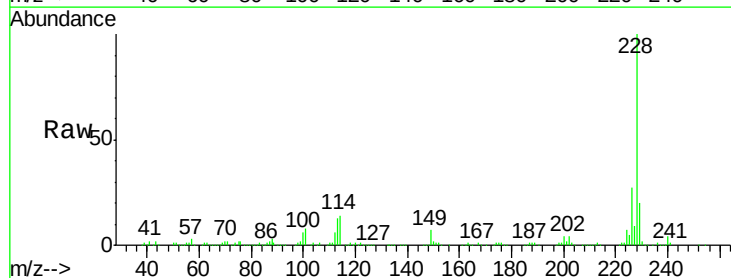
Instrument :
BNA_F
ClientSampleId :
PB92306BS

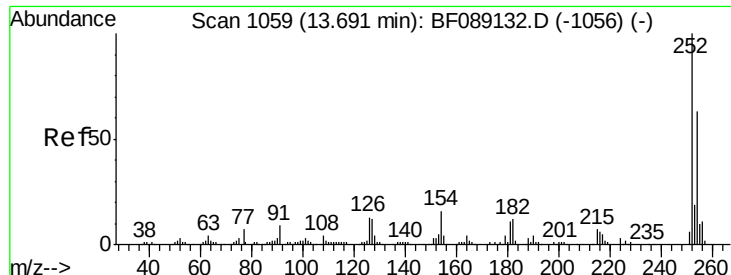
Tgt Ion	Ratio	Lower	Upper
149	100		
91	80.2	62.6	93.8
206	16.5	13.2	19.8



#80
Benzo(a)anthracene
Concen: 40.56 ng
RT: 13.71 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BF089147.D
Acq: 20 Jul 2016 22:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.8	32.8
229	19.8	15.8	23.8

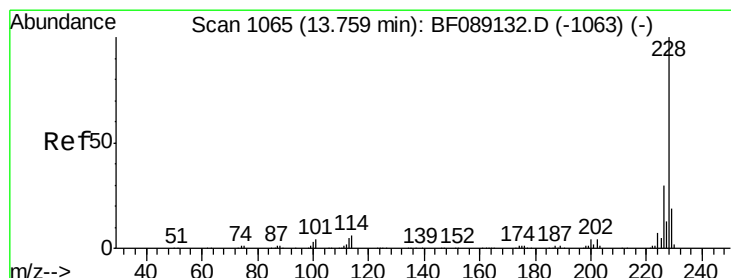
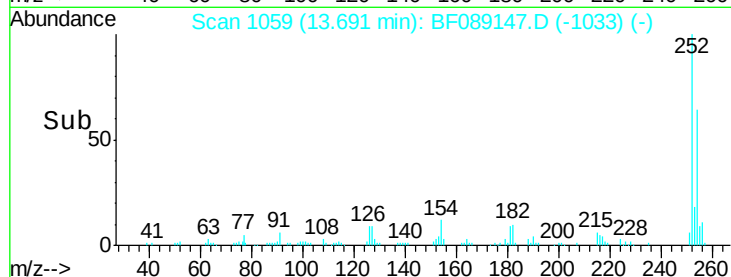
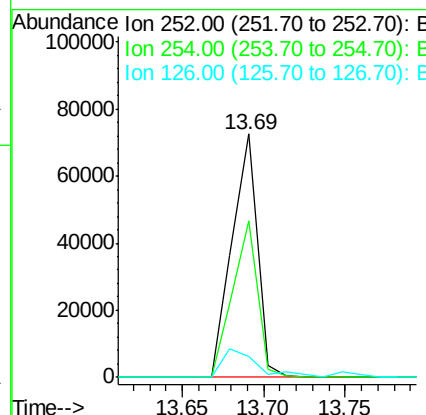
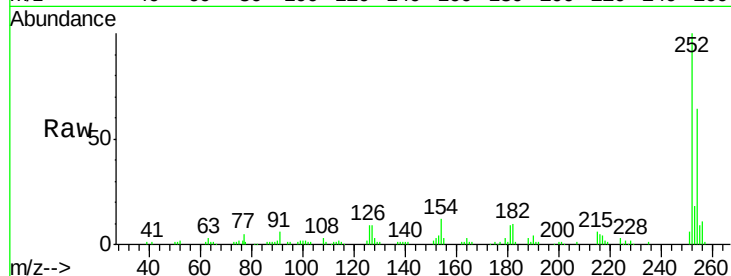




#81
 3,3'-Dichlorobenzidine
 Concen: 23.96 ng
 RT: 13.69 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

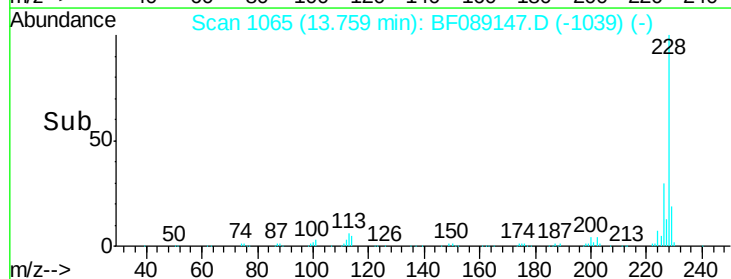
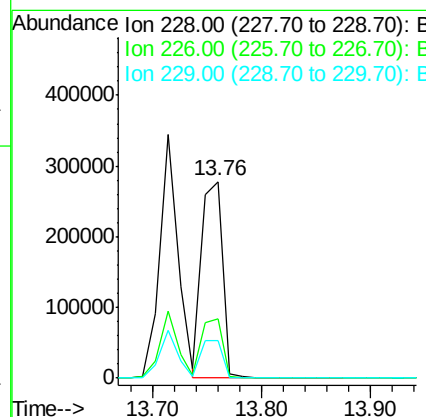
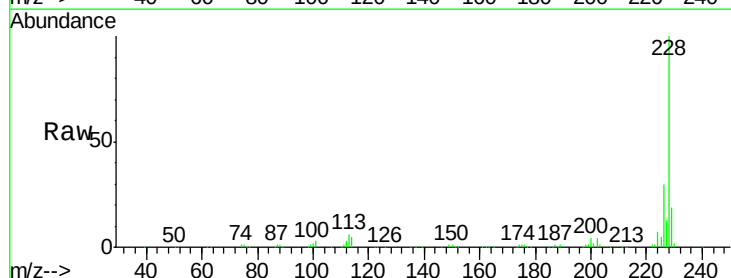
Instrument :
 BNA_F
 ClientSampleId :
 PB92306BS

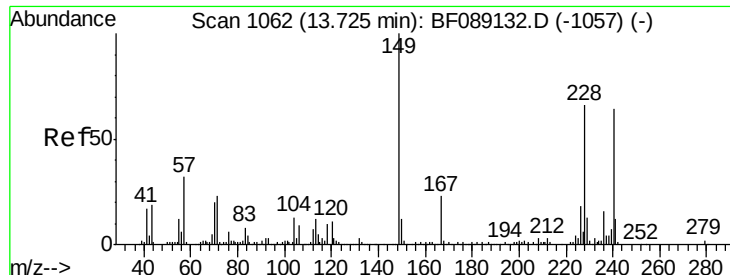
Tgt Ion: 252 Resp: 77909
 Ion Ratio Lower Upper
 252 100
 254 64.2 50.4 75.6
 126 8.7 10.2 15.2#



#82
 Chrysene
 Concen: 40.26 ng
 RT: 13.76 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

Tgt Ion: 228 Resp: 377080
 Ion Ratio Lower Upper
 228 100
 226 29.9 23.8 35.8
 229 18.9 15.4 23.0

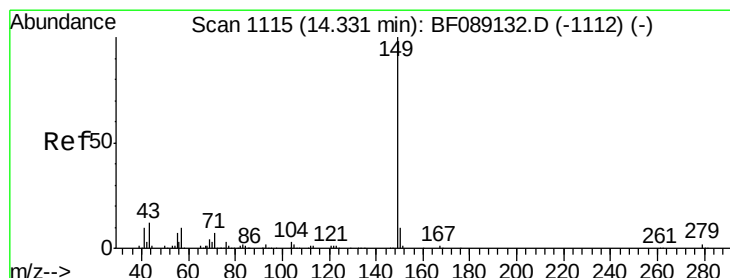
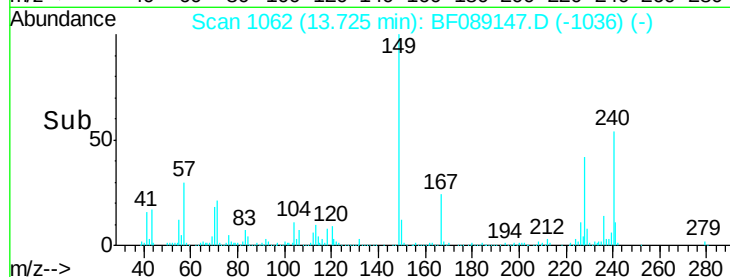
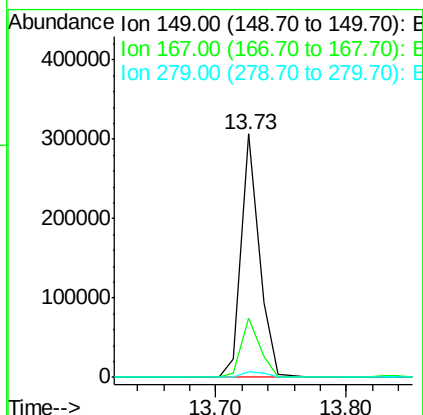
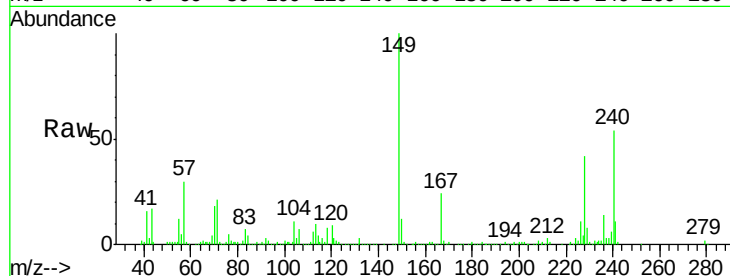




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 41.39 ng
 RT: 13.73 min Scan# 1062
 Delta R.T. 0.00 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

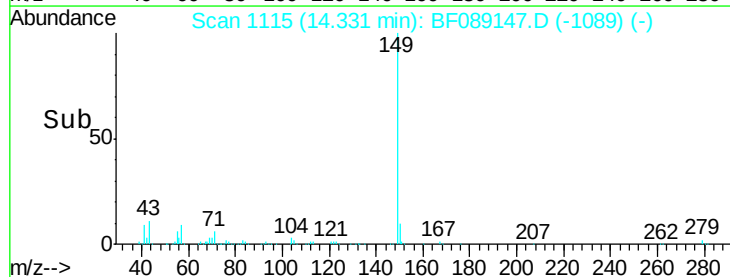
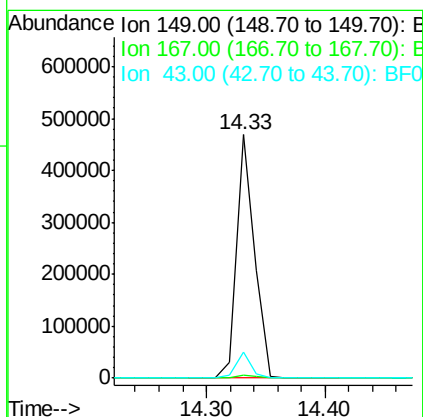
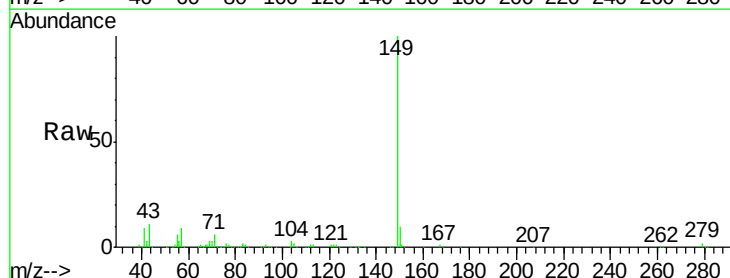
Instrument :
 BNA_F
 ClientSampleId :
 PB92306BS

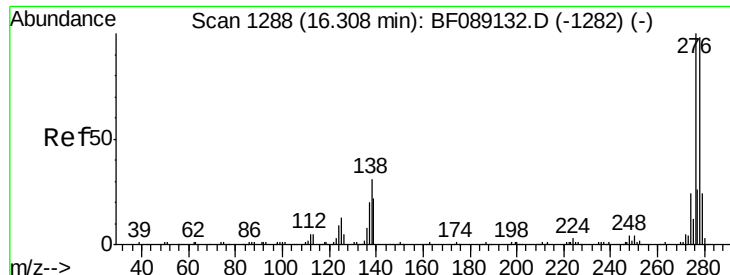
Tgt Ion:149 Resp: 295261
 Ion Ratio Lower Upper
 149 100
 167 24.5 18.6 28.0
 279 2.2 1.6 2.4



#84
 Di-n-octyl phthalate
 Concen: 41.65 ng
 RT: 14.33 min Scan# 1115
 Delta R.T. 0.00 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

Tgt Ion:149 Resp: 490204
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.2 1.8
 43 9.4 7.3 10.9

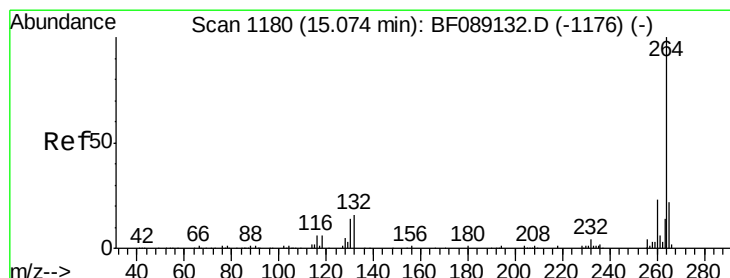
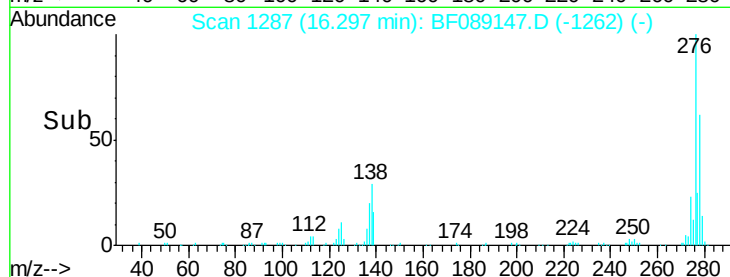
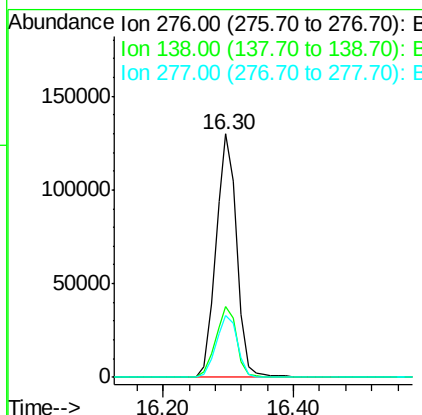
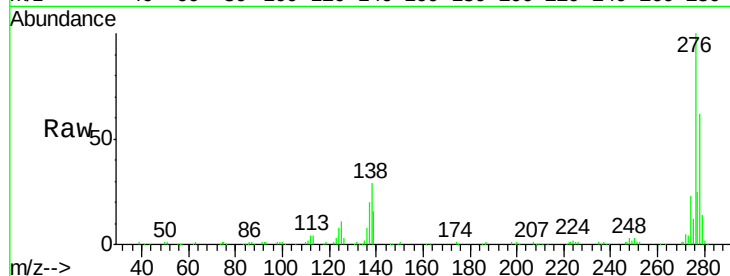




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 42.46 ng
 RT: 16.30 min Scan# 1287
 Delta R.T. -0.01 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

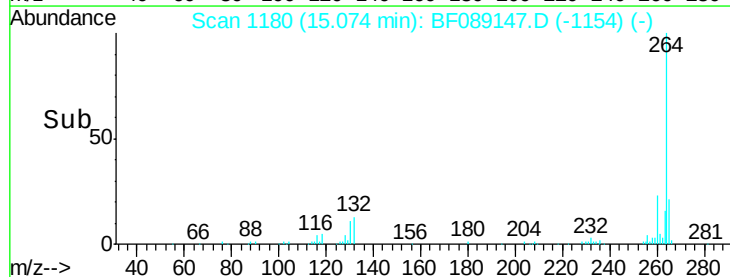
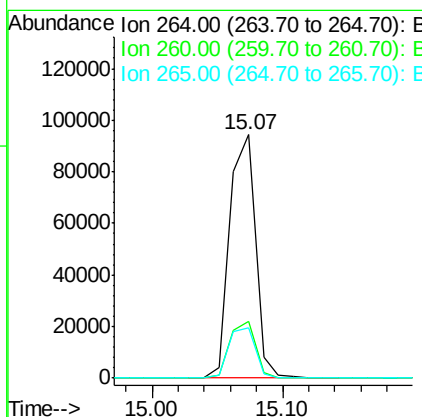
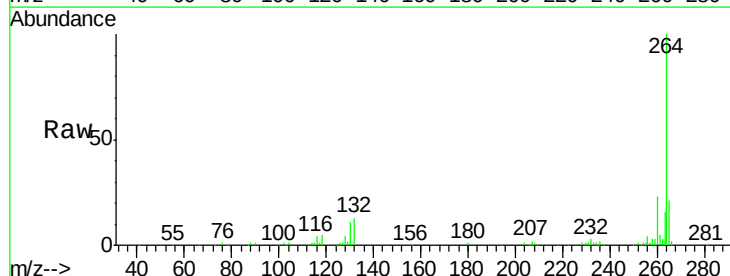
Instrument :
 BNA_F
 ClientSampleId :
 PB92306BS

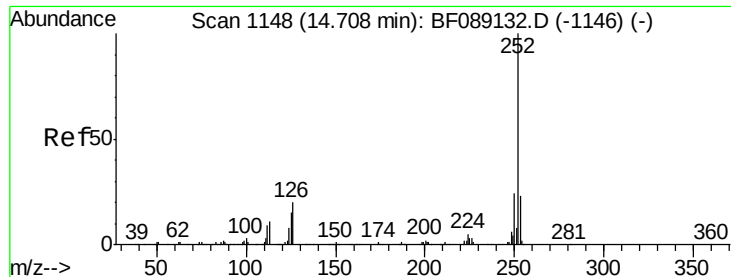
Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.2	23.7	35.5
277	25.8	20.6	31.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.07 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: BF089147.D
 Acq: 20 Jul 2016 22:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	20.7	17.3	25.9

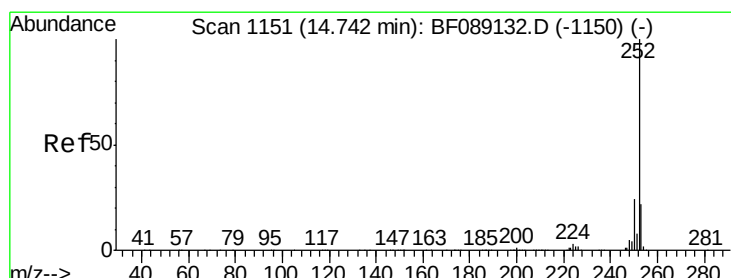
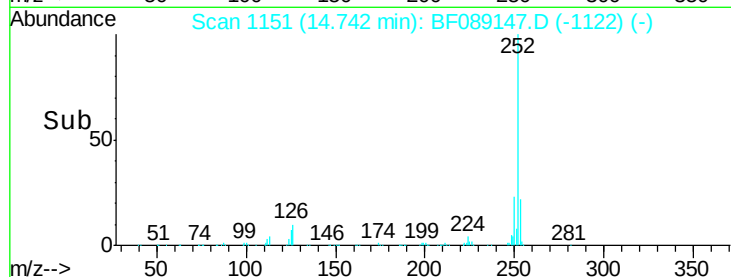
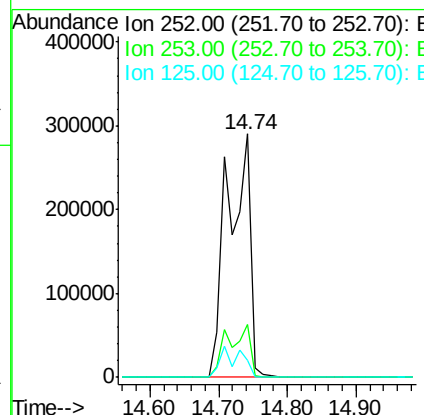
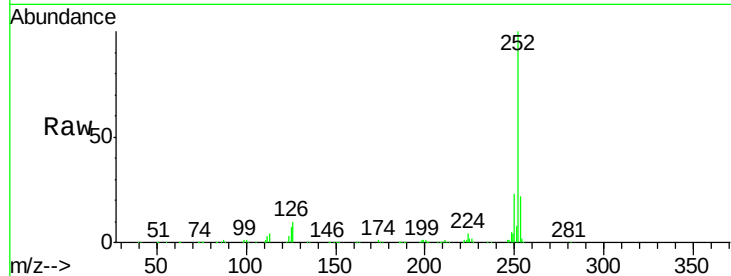




#87
Benzo(b)fluoranthene
Concen: 72.85 ng
RT: 14.74 min Scan# 1151
Delta R.T. 0.03 min
Lab File: BF089147.D
Acq: 20 Jul 2016 22:53

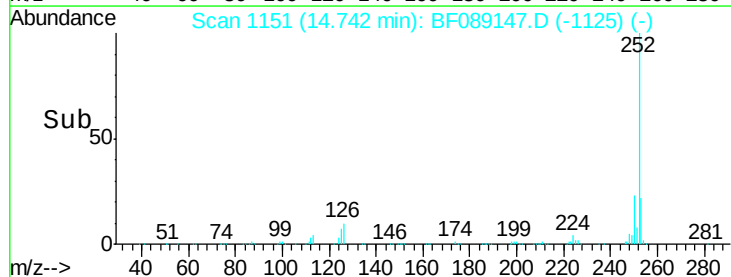
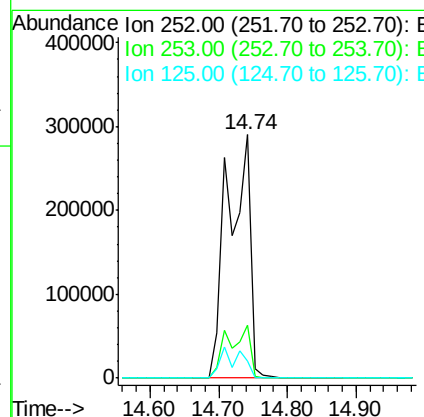
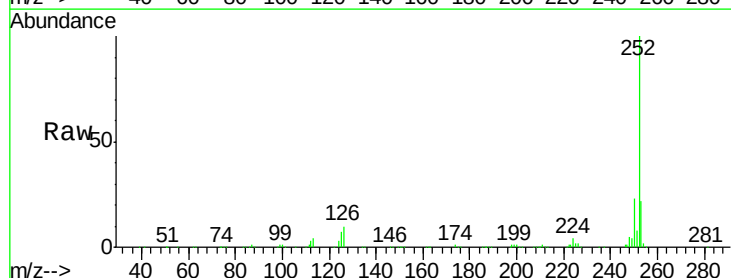
Instrument :
BNA_F
ClientSampleId :
PB92306BS

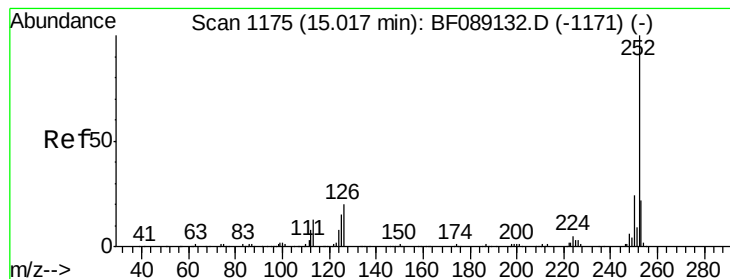
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.2	27.2
125	6.8	11.9	17.9



#88
Benzo(k)fluoranthene
Concen: 101.87 ng
RT: 14.74 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF089147.D
Acq: 20 Jul 2016 22:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.3	25.9
125	6.8	6.3	9.5





#89

Benzo(a)pyrene

Concen: 42.03 ng

RT: 15.02 min Scan# 1175

Delta R.T. 0.00 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

Instrument :

BNA_F

ClientSampleId :

PB92306BS

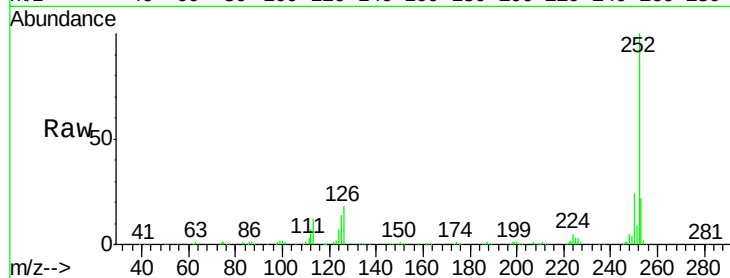
Tgt Ion:252 Resp: 306257

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

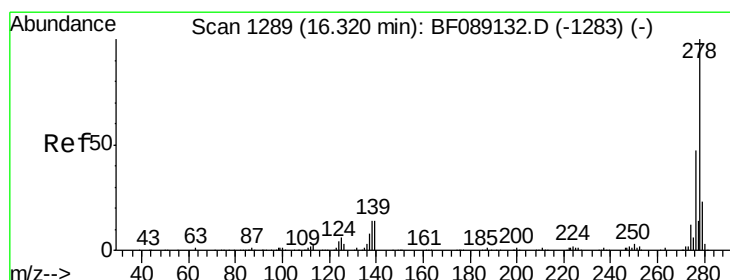
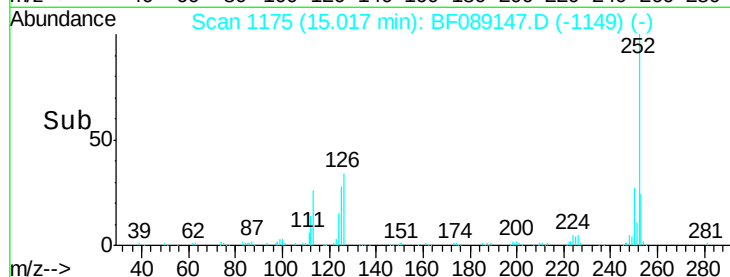
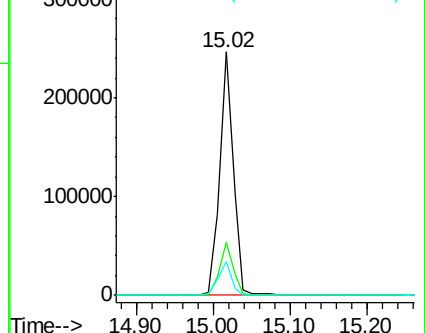
125 14.1 12.4 18.6



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: 41.33 ng

RT: 16.31 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

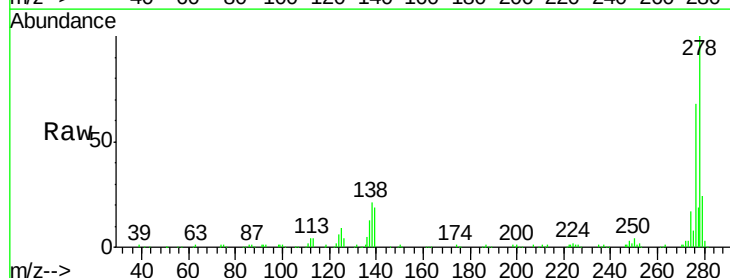
Tgt Ion:278 Resp: 237797

Ion Ratio Lower Upper

278 100

139 18.9 11.4 17.2#

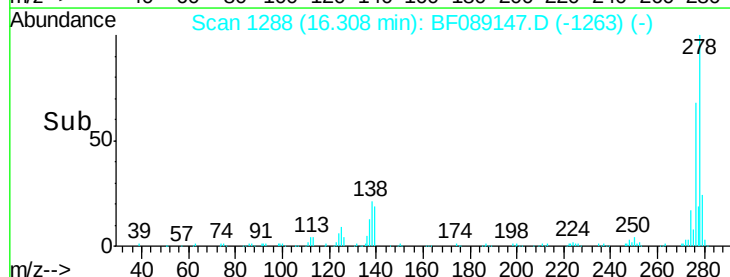
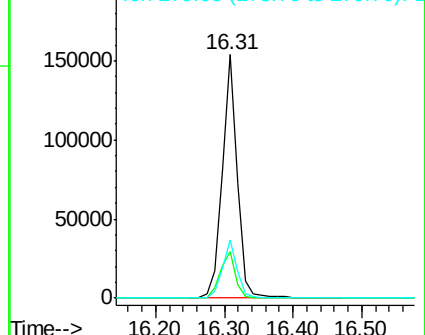
279 23.8 18.4 27.6

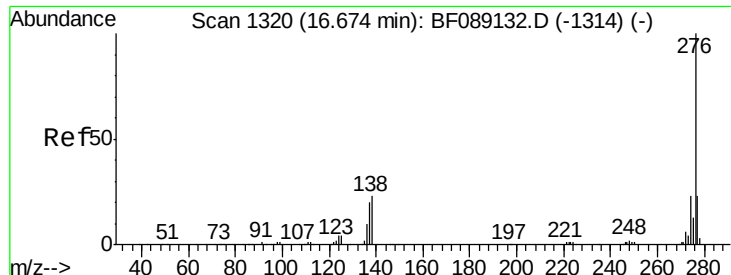


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 40.93 ng

RT: 16.66 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF089147.D

Acq: 20 Jul 2016 22:53

Instrument :

BNA_F

ClientSampleId :

PB92306BS

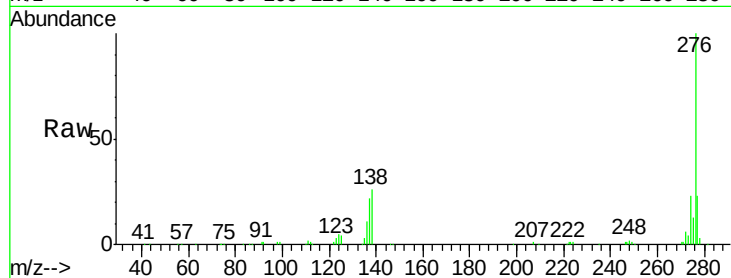
Tgt Ion: 276 Resp: 237442

Ion Ratio Lower Upper

276 100

277 23.1 18.5 27.7

138 25.9 18.5 27.7



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

