

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070616\
 Data File : BF088732.D
 Acq On : 6 Jul 2016 11:58
 Operator : UM/SJ
 Sample : PB91742BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB91742BS

Quant Time: Jul 06 16:19:07 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 05 17:15:08 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	91724	20.00	ng	-0.02
21) Naphthalene-d8	8.04	136	396908	20.00	ng	-0.02
38) Acenaphthene-d10	9.79	164	183801	20.00	ng	-0.02
63) Phenanthrene-d10	11.27	188	354252	20.00	ng	-0.02
75) Chrysene-d12	13.90	240	228168	20.00	ng	-0.02
86) Perylene-d12	15.28	264	183749	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	651665	106.48	ng	-0.01
7) Phenol-d6	6.40	99	954874	120.75	ng	-0.01
23) Nitrobenzene-d5	7.32	82	549523	72.55	ng	-0.02
41) 2,4,6-Tribromophenol	10.58	330	209071	122.49	ng	-0.02
44) 2-Fluorobiphenyl	9.12	172	999184	85.87	ng	-0.02
78) Terphenyl-d14	12.86	244	923668	90.17	ng	-0.01

Target Compounds				Qvalue		
3) Pyridine	3.04	79	250548	28.46	ng	92
4) n-Nitrosodimethylamine	2.99	42	110610	32.88	ng	90
6) Aniline	6.42	93	275095	23.87	ng	# 54
8) 2-Chlorophenol	6.55	128	283372	43.08	ng	91
9) Benzaldehyde	6.30	77	197559	36.88	ng	81
10) Phenol	6.42	94	296672	32.87	ng	# 60
11) bis(2-Chloroethyl)ether	6.50	93	264005	39.23	ng	89
12) 1,3-Dichlorobenzene	6.78	146	281301	38.86	ng	99
13) 1,4-Dichlorobenzene	6.78	146	281301	39.15	ng	97
14) 1,2-Dichlorobenzene	6.92	146	243565	36.22	ng	# 86
15) Benzyl Alcohol	6.90	79	238152	40.92	ng	93
16) 2,2'-oxybis(1-Chloropropan	7.05	45	332508	34.11	ng	88
17) 2-Methylphenol	7.03	107	244683	45.60	ng	98
18) Hexachloroethane	7.27	117	105802	38.07	ng	# 81
19) n-Nitroso-di-n-propylamine	7.19	70	210704	39.67	ng	# 83
20) 3+4-Methylphenols	7.18	107	265385	41.21	ng	# 83
22) Acetophenone	7.18	105	380194	39.47	ng	# 87
24) Nitrobenzene	7.35	77	333509	43.67	ng	92
25) Isophorone	7.59	82	550060	39.21	ng	97
26) 2-Nitrophenol	7.66	139	140989	45.02	ng	90
27) 2,4-Dimethylphenol	7.70	122	249606	38.27	ng	87
28) bis(2-Chloroethoxy)methane	7.80	93	379797	41.60	ng	# 96
29) 2,4-Dichlorophenol	7.91	162	246170	46.70	ng	95
30) 1,2,4-Trichlorobenzene	7.99	180	229755	39.72	ng	99
31) Naphthalene	8.07	128	820923	41.95	ng	99
32) Benzoic acid	7.70	122	249606	52.71	ng	# 18
33) 4-Chloroaniline	8.11	127	172635	19.83	ng	98
34) Hexachlorobutadiene	8.19	225	128012	41.33	ng	98
35) Caprolactam	8.54	113	25542	14.27	ng	92
36) 4-Chloro-3-methylphenol	8.60	107	263452	42.27	ng	93
37) 2-Methylnaphthalene	8.75	142	473469	37.58	ng	# 95
39) 1,2,4,5-Tetrachlorobenzene	8.92	216	219182	35.85	ng	# 1
40) Hexachlorocyclopentadiene	8.91	237	228712	76.22	ng	100
42) 2,4,6-Trichlorophenol	9.04	196	185457	46.01	ng	98

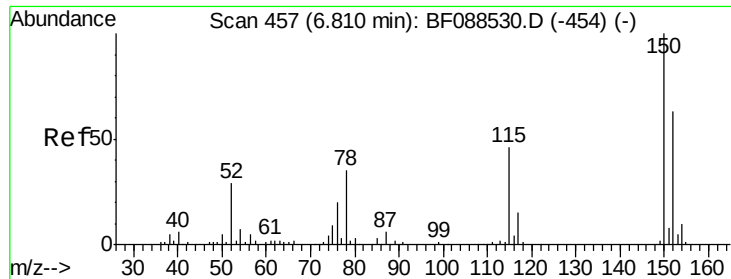
Data Path : Z:\HPCHEM1\BNA F\DATA\BF070616\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.07	196	146232	42.17	nq	# 83
45) 1,1'-Biphenyl	9.22	154	630248	41.41	nq	98
46) 2-Chloronaphthalene	9.24	162	498163	41.69	nq	99
47) 2-Nitroaniline	9.34	65	156477	36.90	nq	95
48) Acenaphthylene	9.66	152	741968	39.03	nq	99
49) Dimethylphthalate	9.53	163	598527	45.71	nq	100
50) 2,6-Dinitrotoluene	9.59	165	146842	50.60	nq	# 70
51) Acenaphthene	9.83	154	432816	37.14	nq	98
52) 3-Nitroaniline	9.75	138	90612	24.56	nq	91
53) 2,4-Dinitrophenol	9.85	184	10728	8.37	nq	# 81
54) Dibenzofuran	10.00	168	656595	43.05	nq	# 87
55) 4-Nitrophenol	9.92	139	207312	73.95	nq	94
56) 2,4-Dinitrotoluene	9.99	165	168687	44.46	nq	# 51
57) Fluorene	10.34	166	493917	42.02	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.12	232	115863	43.18	nq	# 55
59) Diethylphthalate	10.23	149	568205	43.24	nq	99
60) 4-Chlorophenyl-phenylether	10.34	204	250622	45.89	nq	91
61) 4-Nitroaniline	10.36	138	130624	36.79	nq	81
62) Azobenzene	10.50	77	698916	46.63	nq	90
64) 4,6-Dinitro-2-methylphenol	10.40	198	18866	9.96	nq	# 56
65) n-Nitrosodiphenylamine	10.46	169	459346	38.31	nq	99
66) 4-Bromophenyl-phenylether	10.82	248	141725	39.70	nq	# 72
67) Hexachlorobenzene	10.89	284	172237	43.58	nq	# 90
68) Atrazine	10.99	200	175833	47.06	nq	97
69) Pentachlorophenol	11.08	266	79214	33.87	nq	98
70) Phenanthrene	11.30	178	881449	45.52	nq	99
71) Anthracene	11.35	178	759052	39.42	nq	99
72) Carbazole	11.51	167	841325	46.42	nq	99
73) Di-n-butylphthalate	11.84	149	941552	44.66	nq	# 99
74) Fluoranthene	12.48	202	832954	42.43	nq	100
76) Benzidine	12.61	184	489149	42.41	nq	98
77) Pyrene	12.71	202	874684	45.21	nq	99
79) Butylbenzylphthalate	13.34	149	402672	46.66	nq	98
80) Benzo(a)anthracene	13.89	228	641452	43.66	nq	100
81) 3,3'-Dichlorobenzidine	13.85	252	93053	16.85	nq	# 97
82) Chrysene	13.93	228	636827	43.81	nq	97
83) Bis(2-ethylhexyl)phthalate	13.90	149	482138	48.94	nq	# 100
84) Di-n-octyl phthalate	14.50	149	720208	43.03	nq	# 100
85) Indeno(1,2,3-cd)pyrene	16.61	276	505594	45.21	nq	# 100
87) Benzo(b)fluoranthene	14.93	252	984236	85.39	nq	99
88) Benzo(k)fluoranthene	14.93	252	984236	98.08	nq	# 93
89) Benzo(a)pyrene	15.22	252	432702	44.34	nq	98
90) Dibenzo(a,h)anthracene	16.62	278	414598	50.87	nq	99
91) Benzo(g,h,i)perylene	17.01	276	436502	51.76	nq	# 94

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 452

Delta R.T. -0.02 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

Instrument :

BNA_F

ClientSampleId :

PB91742BS

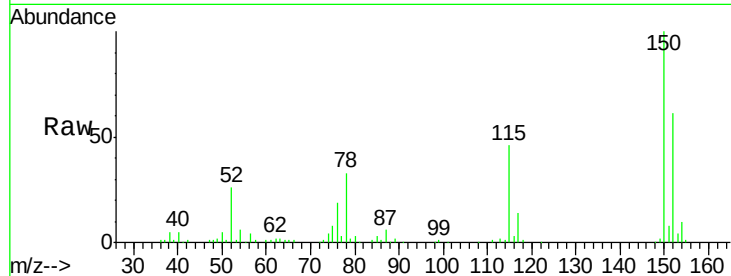
Tot Ion:152 Resp: 91724

Ion Ratio Lower Upper

152 100

150 162.9 123.8 185.6

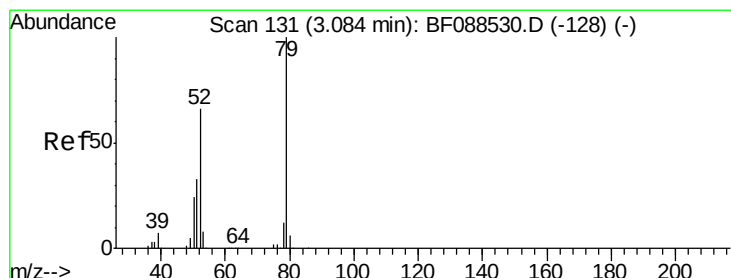
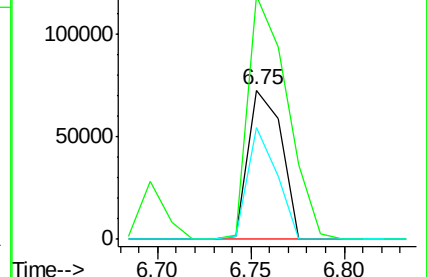
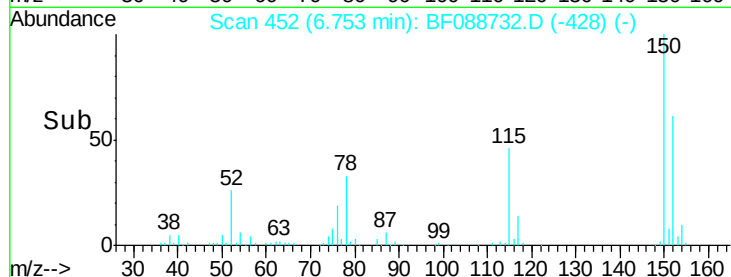
115 74.4 39.6 59.4#



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



#3

Pyridine

Concen: 28.46 ng

RT: 3.04 min Scan# 127

Delta R.T. 0.03 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

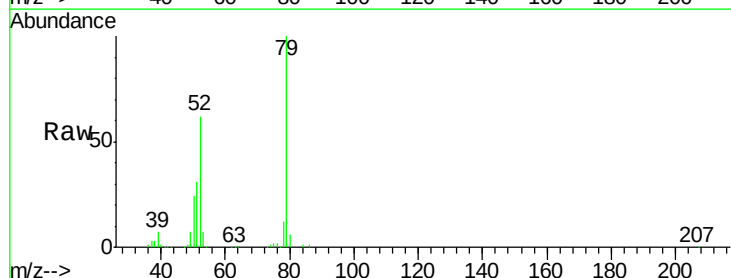
Tgt Ion: 79 Resp: 250548

Ion Ratio Lower Upper

79 100

52 62.3 56.3 84.5

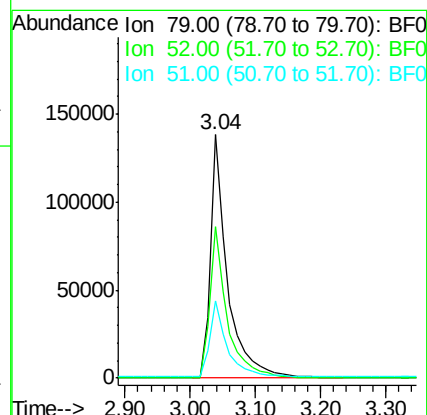
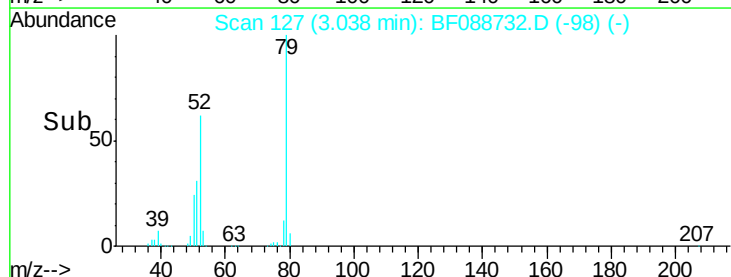
51 31.5 27.4 41.2

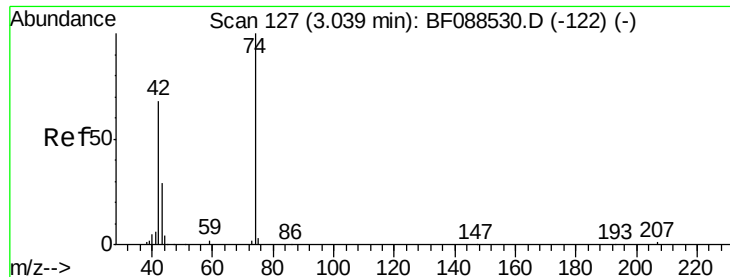


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



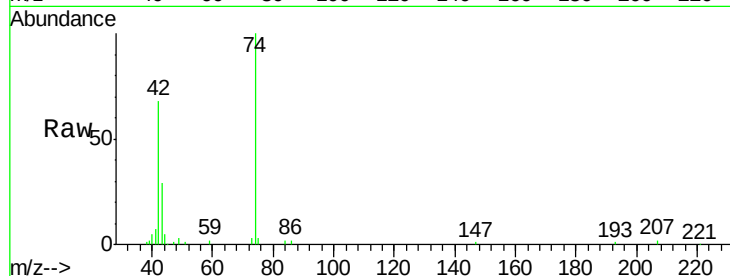


#4

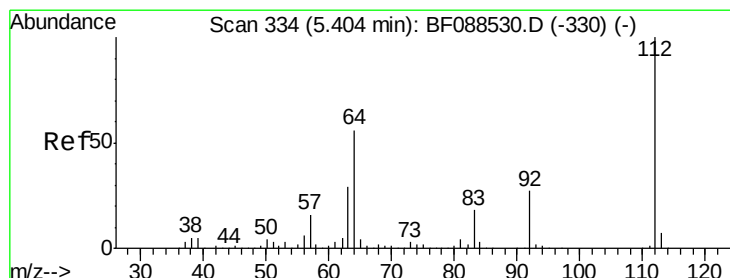
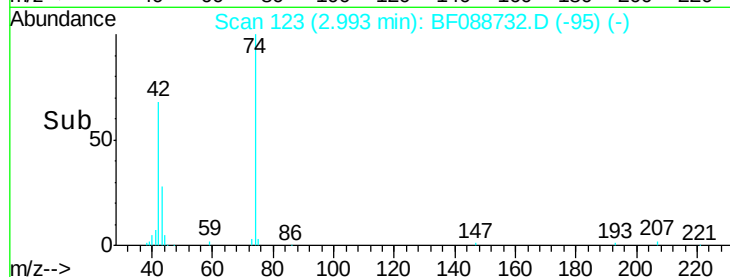
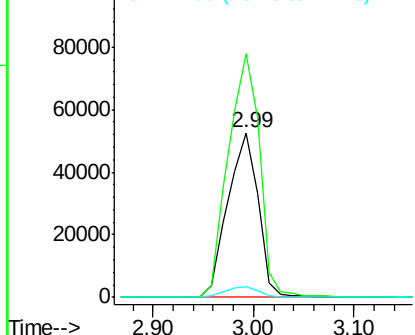
n-Nitrosodimethylamine
 Concen: 32.88 ng
 RT: 2.99 min Scan# 123
 Delta R.T. 0.02 min
 Lab File: BF088732.D
 Acq: 6 Jul 2016 11:58

Instrument :
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 PB91742BS

Tot Ion	Ratio	Lower	Upper
42	100		
74	148.1	108.6	163.0
44	6.9	5.5	8.3



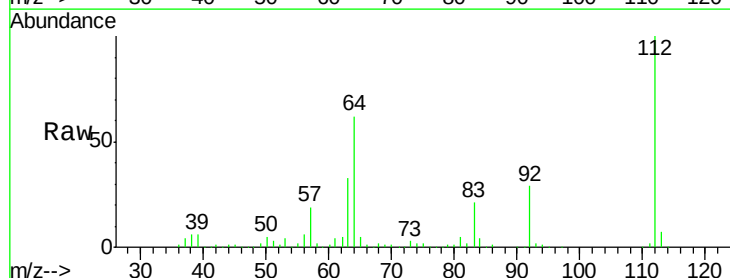
Abundance Ion 42.00 (41.70 to 42.70): BF0
 Ion 74.00 (73.70 to 74.70): BF0
 Ion 44.00 (43.70 to 44.70): BF0



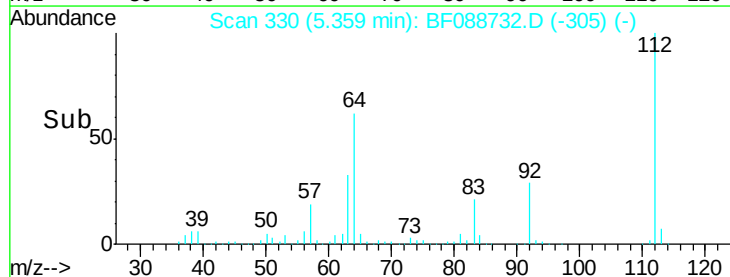
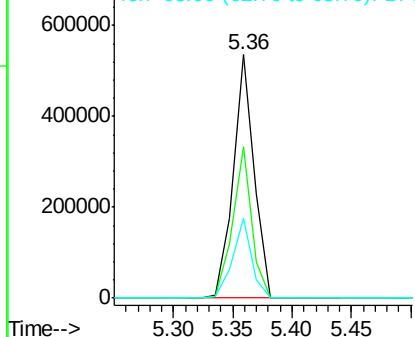
#5

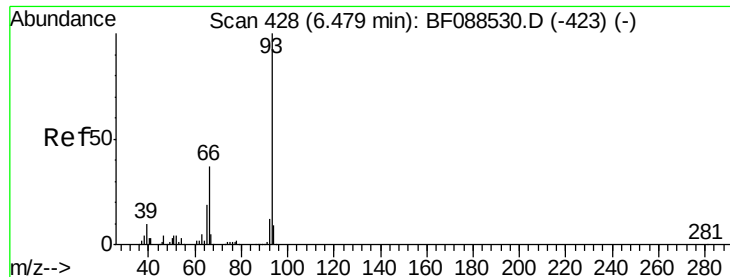
2-Fluorophenol
 Concen: 106.48 ng
 RT: 5.36 min Scan# 330
 Delta R.T. -0.01 min
 Lab File: BF088732.D
 Acq: 6 Jul 2016 11:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.2	42.2	63.2
63	33.0	21.8	32.8



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 23.87 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.01 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

Instrument :

BNA_F

ClientSampleId :

PB91742BS

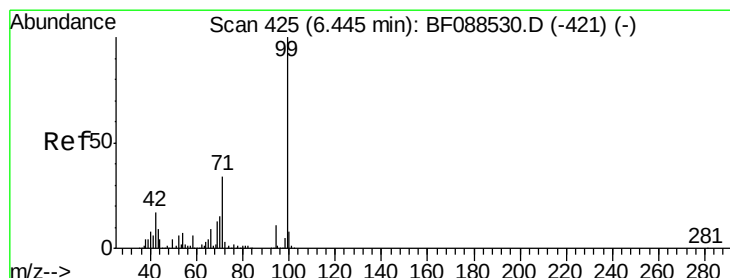
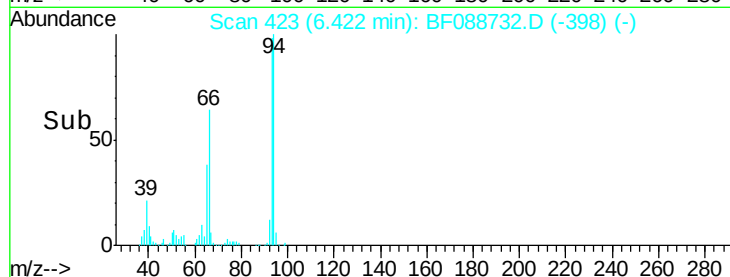
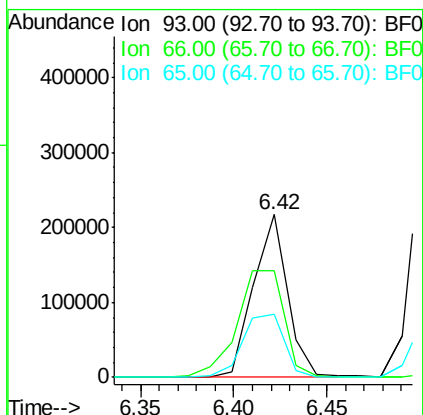
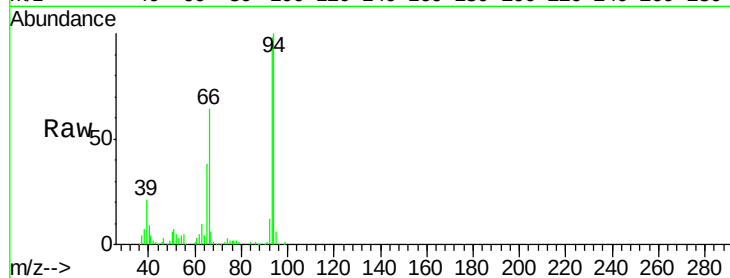
Tot Ion: 93 Resp: 275095

Ion Ratio Lower Upper

93 100

66 65.2 29.8 44.8#

65 38.5 14.9 22.3#



#7

Phenol-d6

Concen: 120.75 ng

RT: 6.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

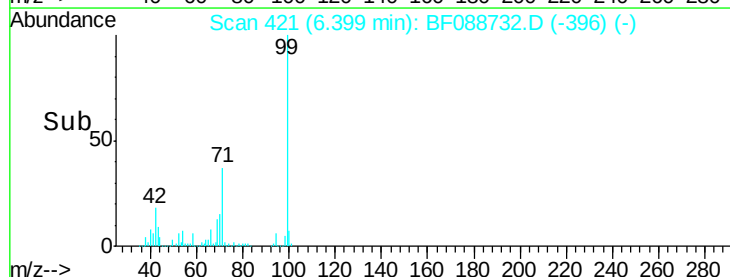
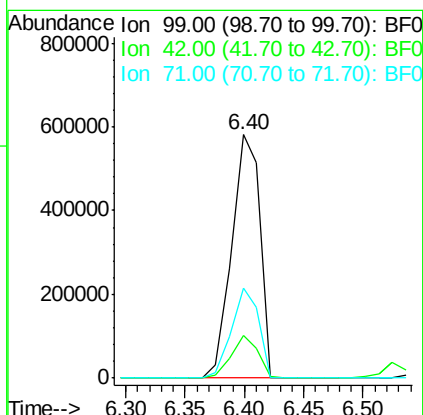
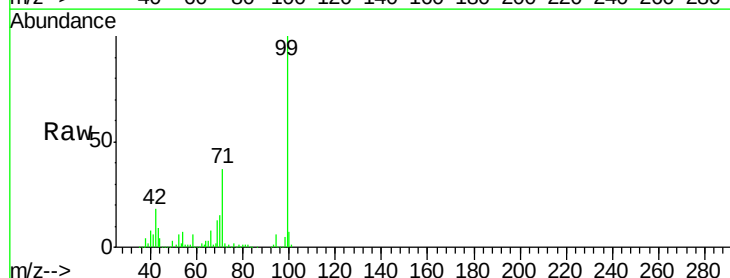
Tgt Ion: 99 Resp: 954874

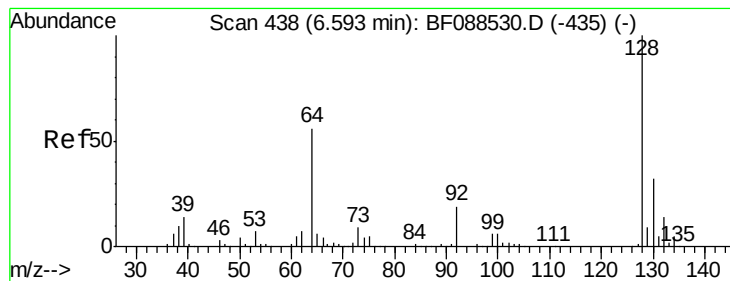
Ion Ratio Lower Upper

99 100

42 17.6 12.2 18.2

71 37.1 23.4 35.0#





#8

2-Chlorophenol

Concen: 43.08 ng

RT: 6.55 min Scan# 434

Delta R.T. -0.01 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

Instrument :

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ClientSampleId :

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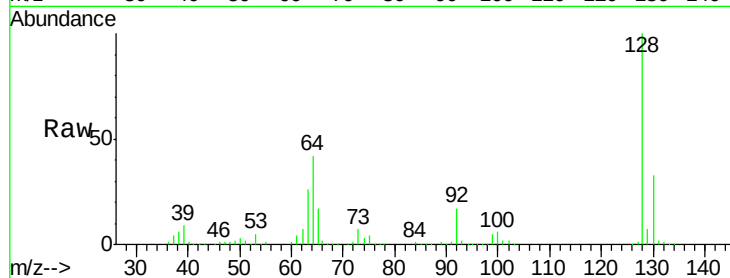
Tot Ion:128 Resp: 283372

Ion Ratio Lower Upper

128 100

130 33.1 12.0 52.0

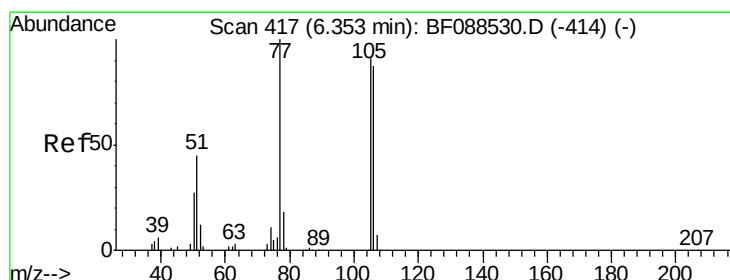
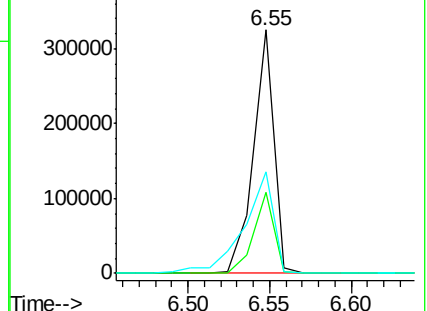
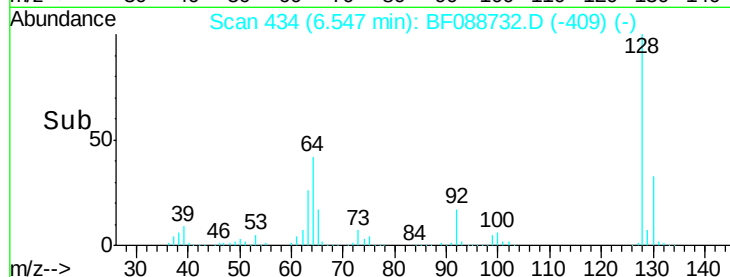
64 41.6 30.8 70.8



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: 36.88 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.02 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

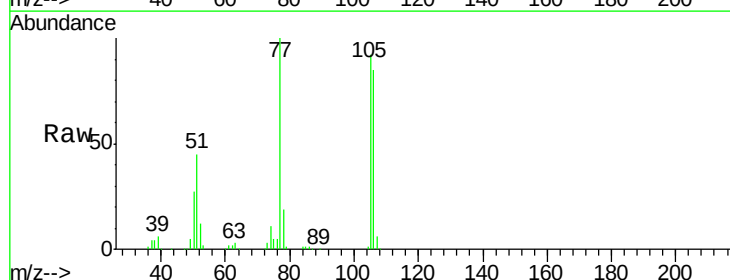
Tgt Ion: 77 Resp: 197559

Ion Ratio Lower Upper

77 100

105 91.5 90.6 130.6

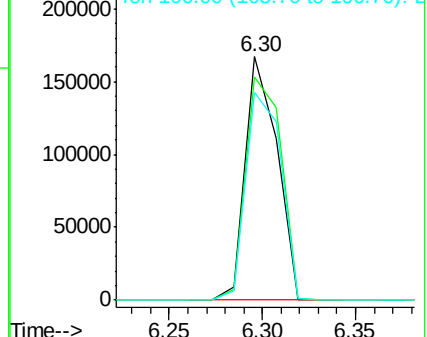
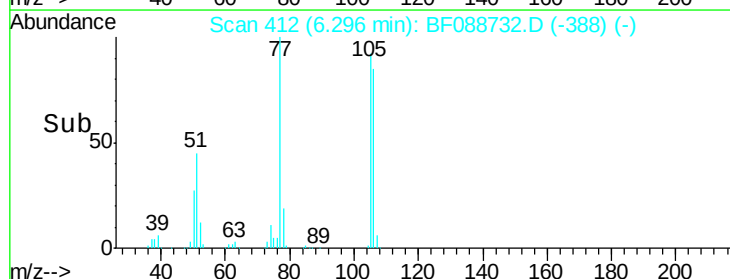
106 85.4 85.3 125.3

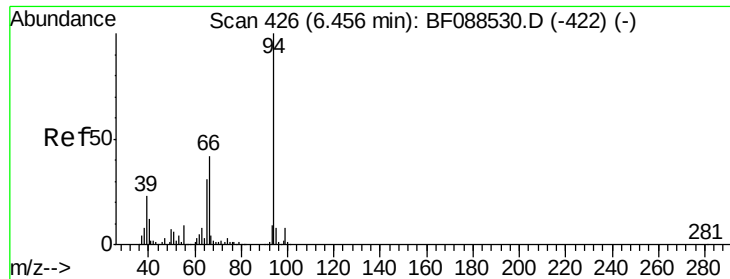


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 32.87 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.01 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

Instrument :

BNA_F

ClientSampleId :

PB91742BS

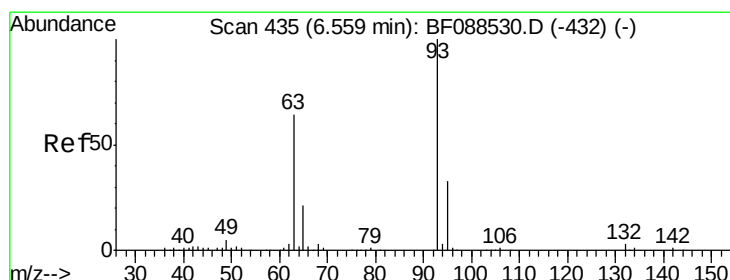
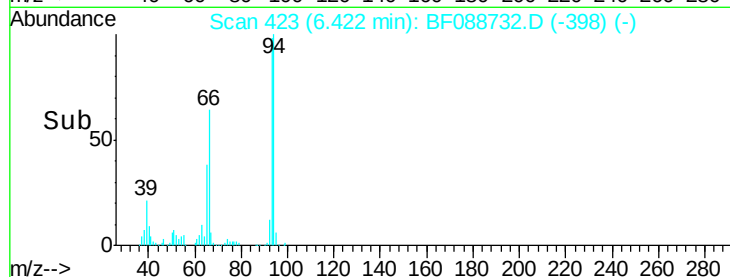
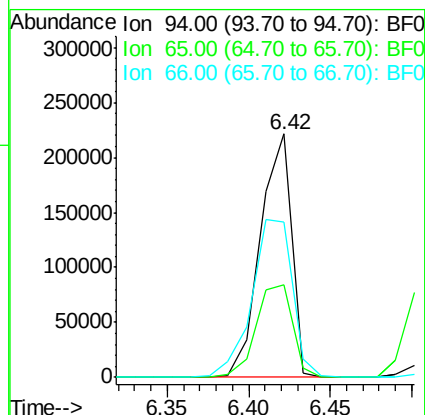
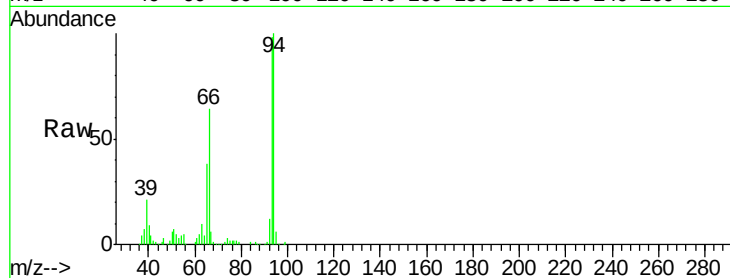
Tot Ion: 94 Resp: 296672

Ion Ratio Lower Upper

94 100

65 37.8 5.9 45.9

66 64.0 14.0 54.0#



#11

bis(2-Chloroethyl)ether

Concen: 39.23 ng

RT: 6.50 min Scan# 430

Delta R.T. -0.01 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

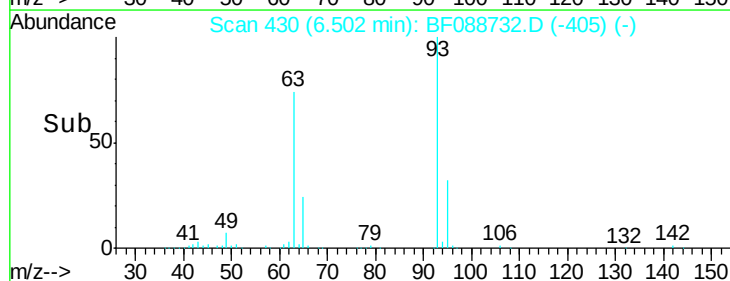
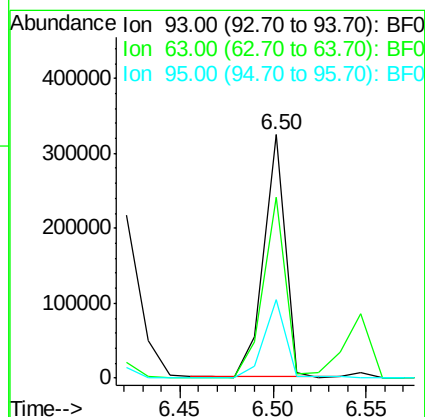
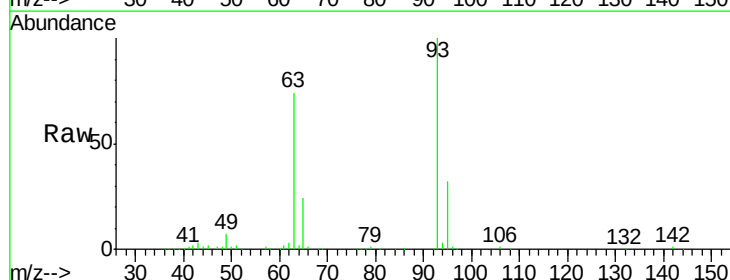
Tgt Ion: 93 Resp: 264005

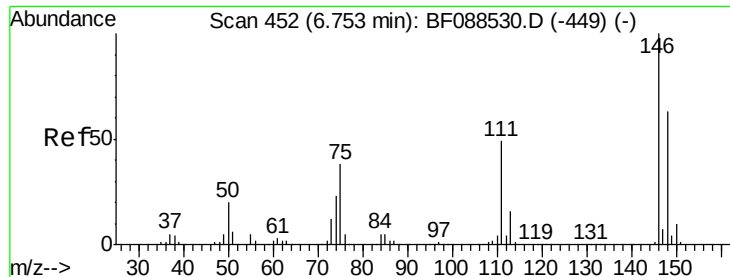
Ion Ratio Lower Upper

93 100

63 74.1 67.6 107.6

95 32.1 12.5 52.5





#12

1,3-Dichlorobenzene

Concen: 38.86 ng

RT: 6.78 min Scan# 454

Delta R.T. 0.06 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

Instrument :

BNA_F

ClientSampleId :

PB91742BS

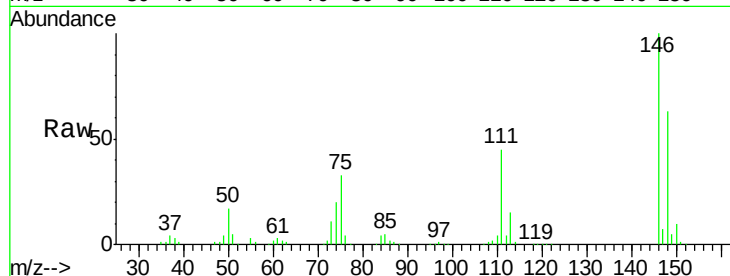
Tot Ion:146 Resp: 281301

Ion Ratio Lower Upper

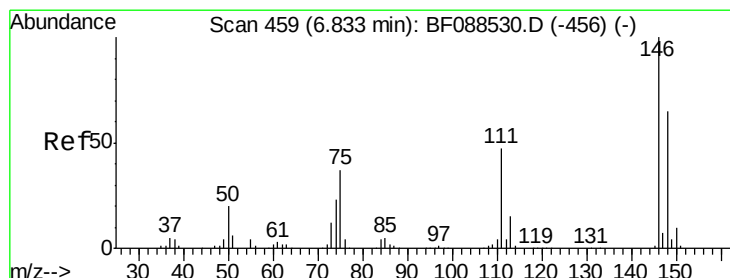
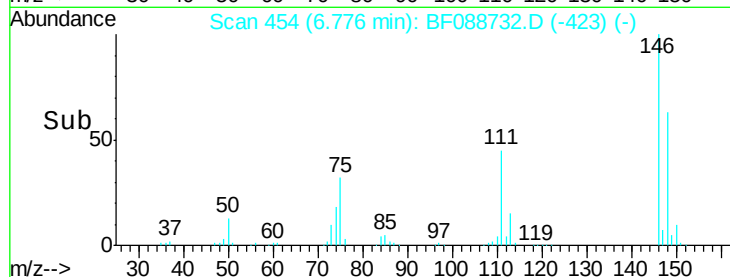
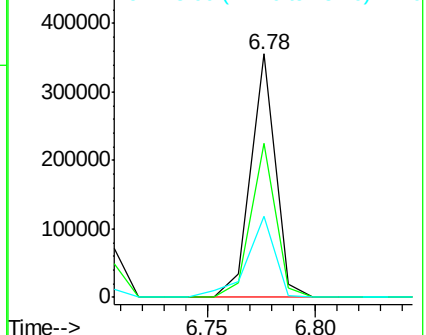
146 100

148 63.4 50.9 76.3

75 33.5 25.6 38.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 39.15 ng

RT: 6.78 min Scan# 454

Delta R.T. -0.02 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

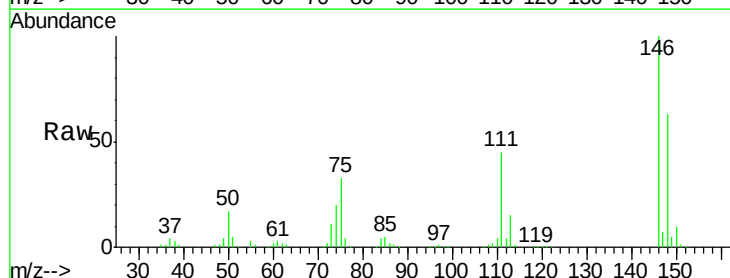
Tgt Ion:146 Resp: 281301

Ion Ratio Lower Upper

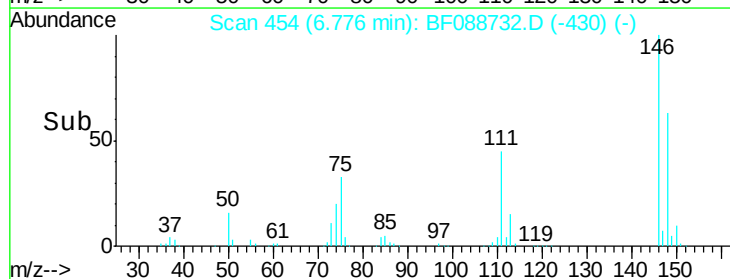
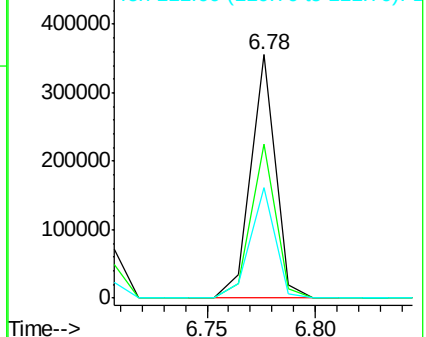
146 100

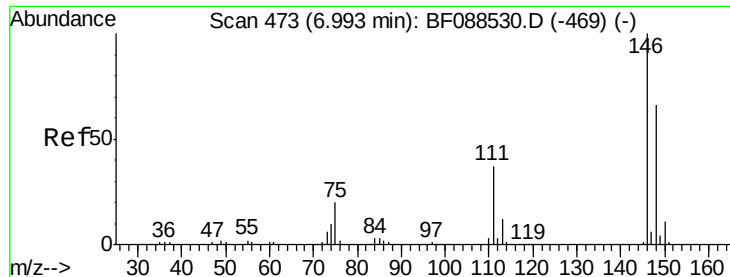
148 63.4 52.0 78.0

111 45.5 33.8 50.8



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

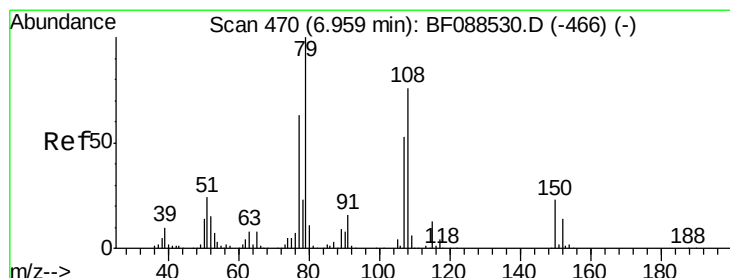
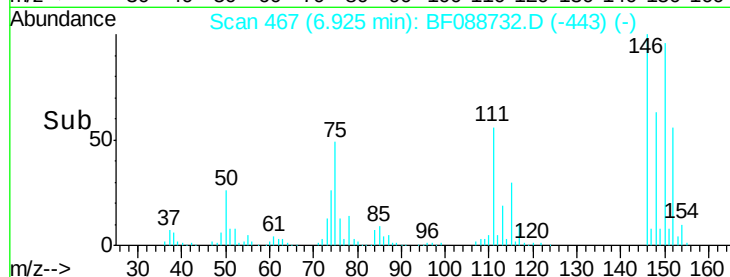
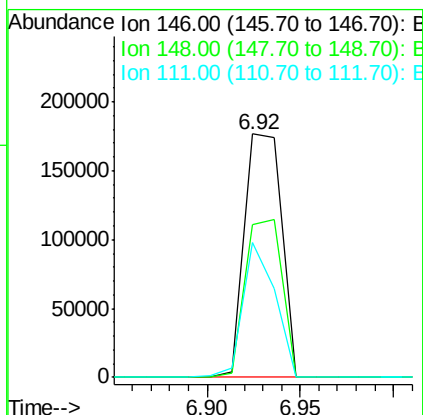
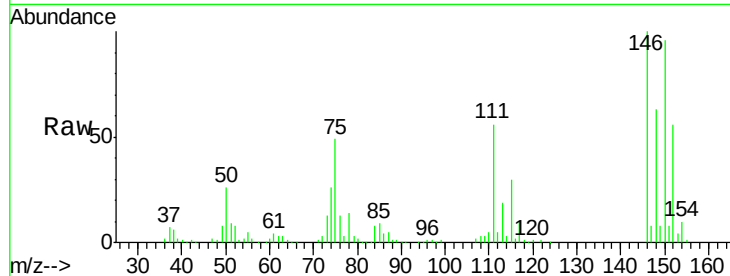




#14
 1,2-Dichlorobenzene
 Concen: 36.22 ng
 RT: 6.92 min Scan# 467
 Delta R.T. -0.02 min
 Lab File: BF088732.D
 Acq: 6 Jul 2016 11:58

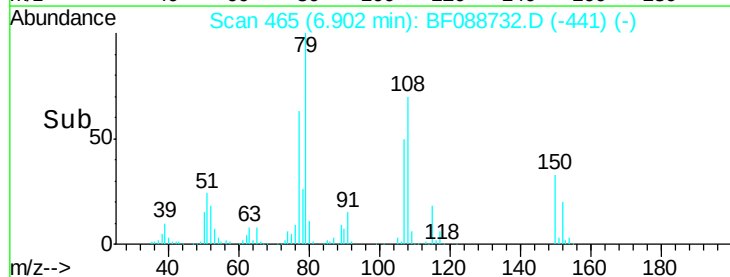
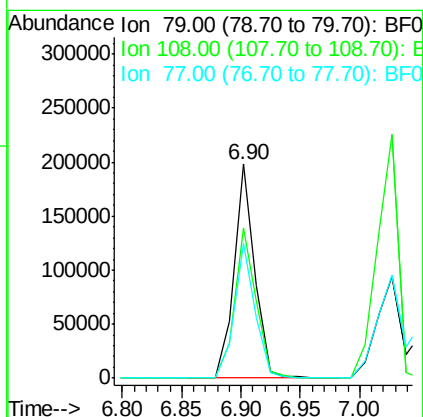
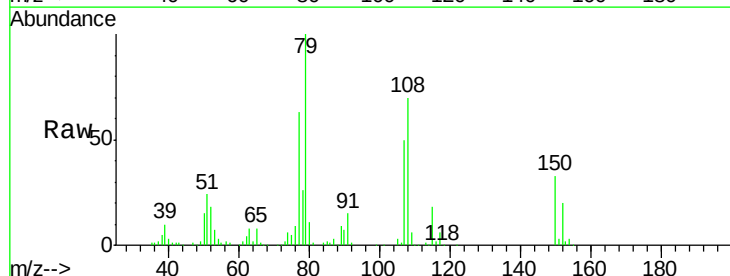
Instrument :
 BNA_F
 ClientSampleId :
 PB91742BS

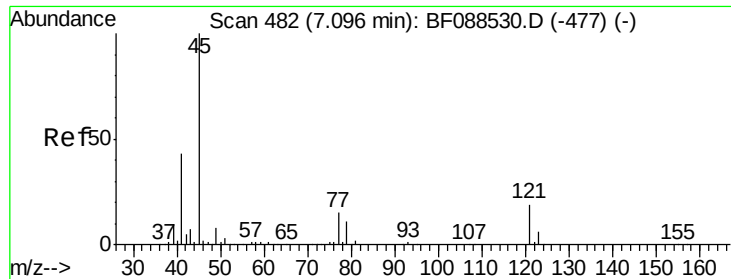
Tot Ion:146 Resp: 243565
 Ion Ratio Lower Upper
 146 100
 148 62.5 52.3 78.5
 111 55.6 28.7 43.1#



#15
 Benzyl Alcohol
 Concen: 40.92 ng
 RT: 6.90 min Scan# 465
 Delta R.T. -0.02 min
 Lab File: BF088732.D
 Acq: 6 Jul 2016 11:58

Tgt Ion: 79 Resp: 238152
 Ion Ratio Lower Upper
 79 100
 108 70.1 65.0 97.6
 77 63.1 50.3 75.5

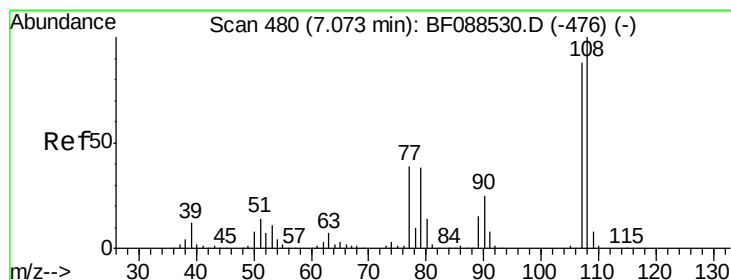
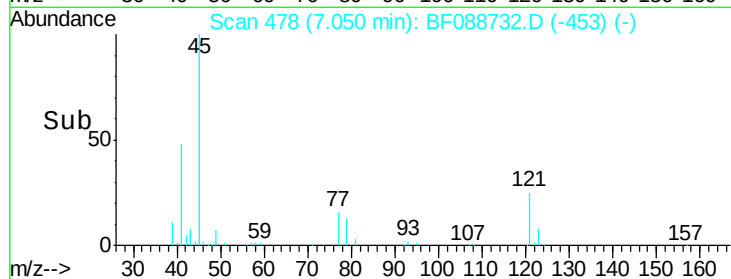
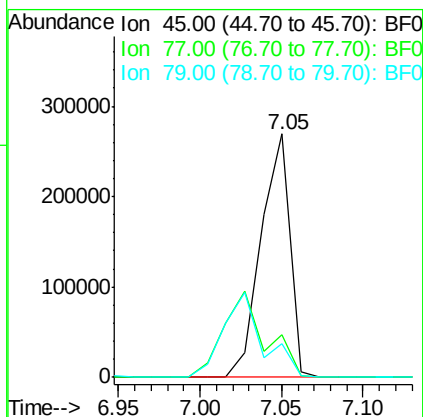
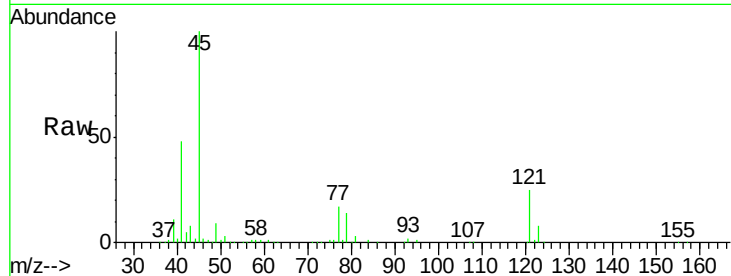




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 34.11 ng
RT: 7.05 min Scan# 478
Delta R.T. -0.01 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

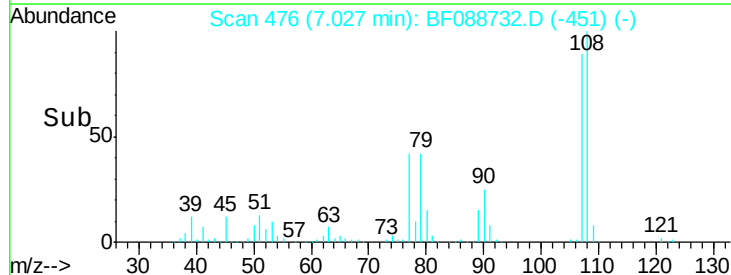
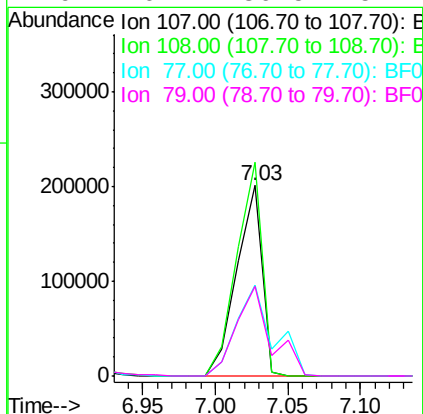
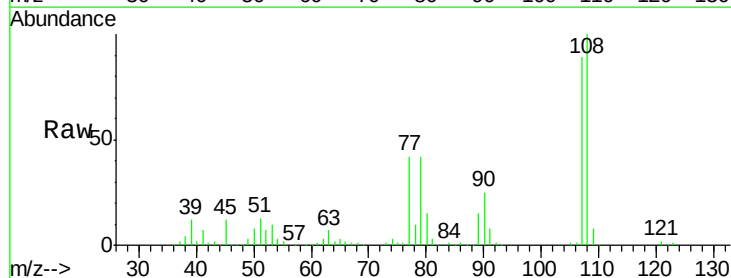
Instrument :
BNA_F
ClientSampleId :
PB91742BS

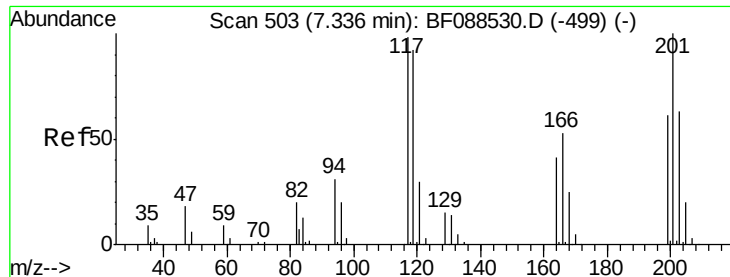
Tot Ion: 45 Resp: 332508
Ion Ratio Lower Upper
45 100
77 17.5 0.0 32.5
79 13.9 0.0 29.5



#17
2-Methylphenol
Concen: 45.60 ng
RT: 7.03 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

Tgt Ion: 107 Resp: 244683
Ion Ratio Lower Upper
107 100
108 112.1 90.9 136.3
77 47.4 36.6 55.0
79 46.7 36.5 54.7

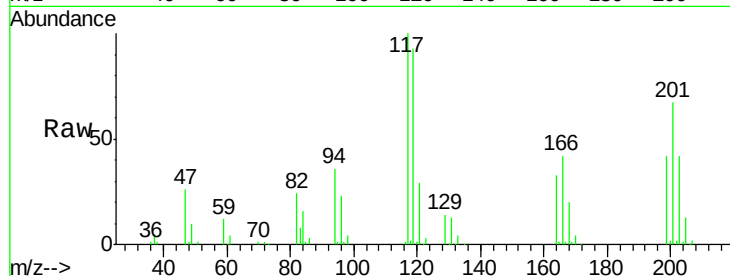




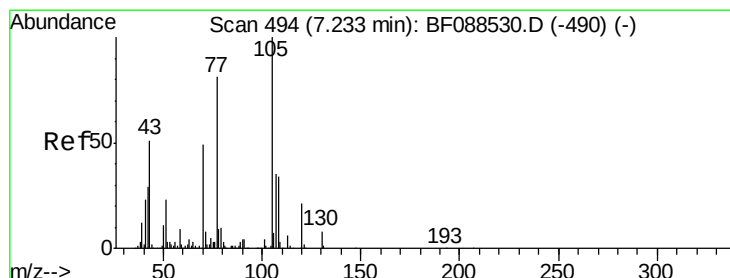
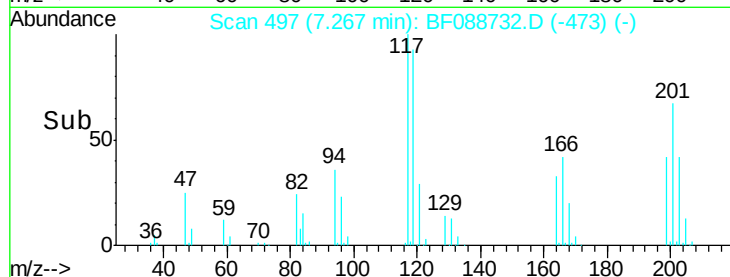
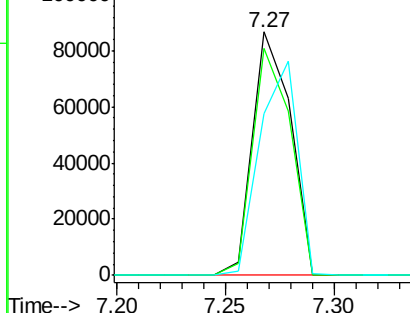
#18
Hexachloroethane
Concen: 38.07 ng
RT: 7.27 min Scan# 497
Delta R.T. -0.02 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

Instrument :
BNA_F
ClientSampleId :
PB91742BS

Tot Ion:117 Resp: 105802
Ion Ratio Lower Upper
117 100
119 93.1 77.4 116.2
201 66.5 80.4 120.6#

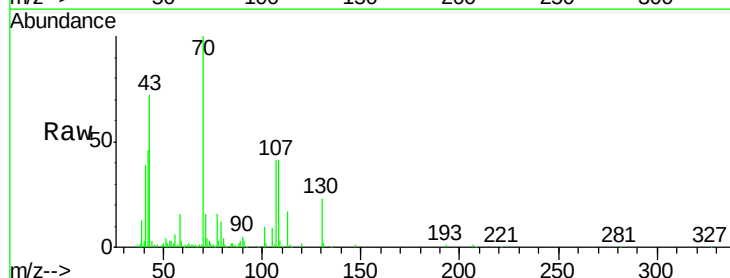


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

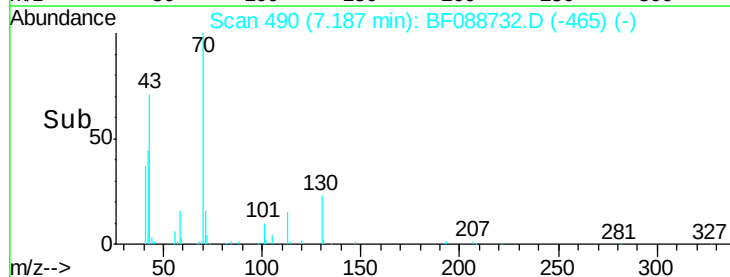
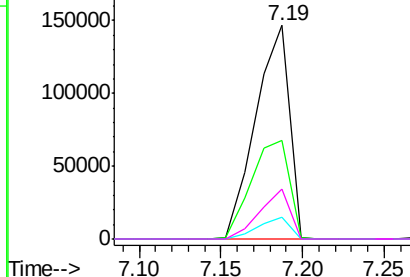


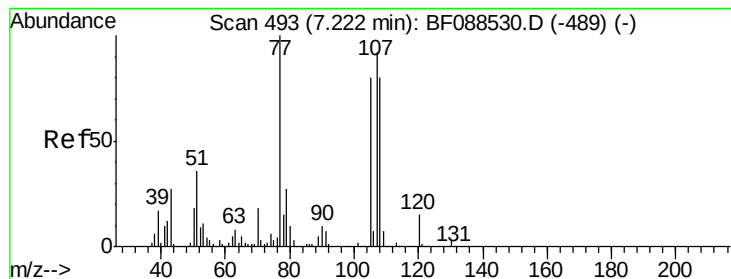
#19
n-Nitroso-di-n-propylamine
Concen: 39.67 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.01 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

Tgt Ion: 70 Resp: 210704
Ion Ratio Lower Upper
70 100
42 45.9 49.6 74.4#
101 10.4 7.1 10.7
130 23.3 15.4 23.2#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 41.21 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.02 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

Instrument :

BNA_F

ClientSampleId :

PB91742BS

Tot Ion:107 Resp: 265385

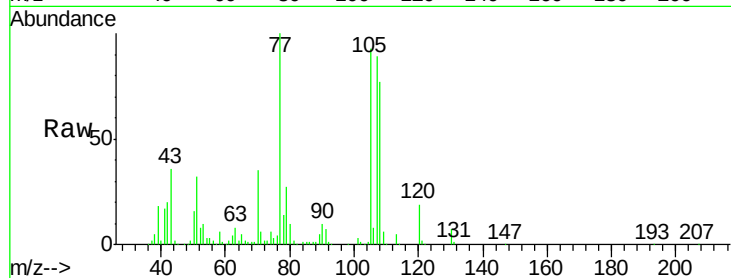
Ion Ratio Lower Upper

107 100

108 86.4 67.8 107.8

77 112.2 59.3 99.3#

79 30.7 7.0 47.0

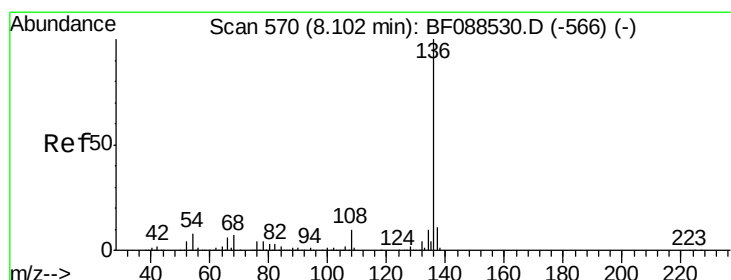
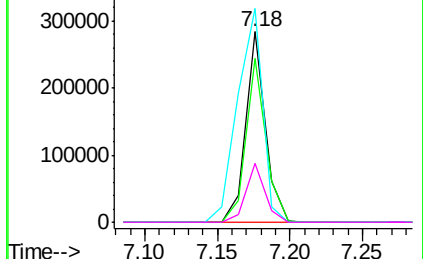
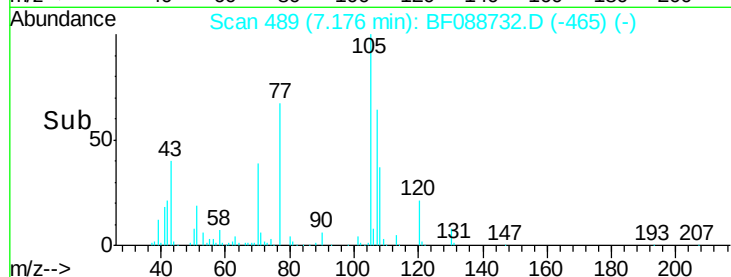


Abundance Ion 107.00 (106.70 to 107.70): E

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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 565

Delta R.T. -0.02 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

Tgt Ion:136 Resp: 396908

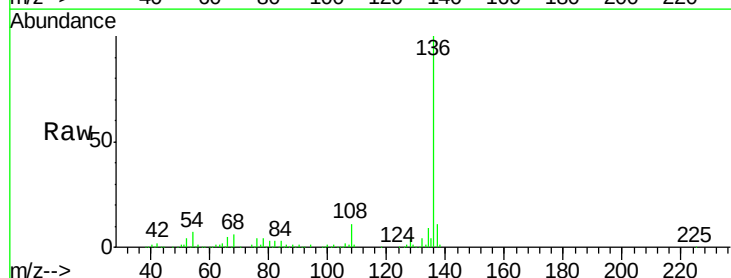
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 7.2 6.6 10.0

68 5.9 5.1 7.7

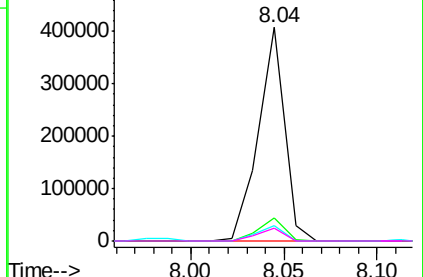
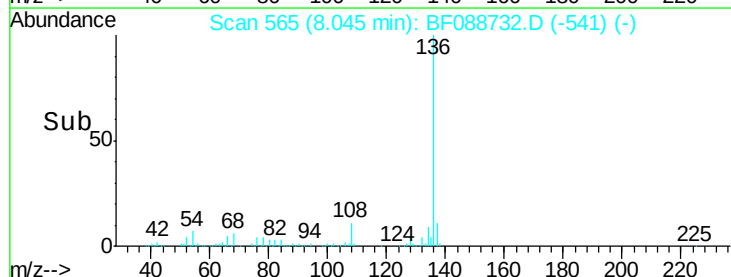


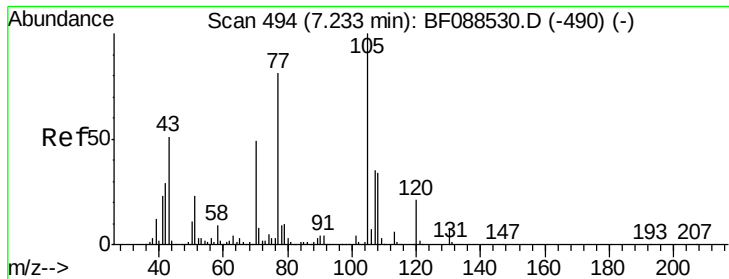
Abundance Ion 136.00 (135.70 to 136.70): E

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: 39.47 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.02 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

Instrument :

BNA_F

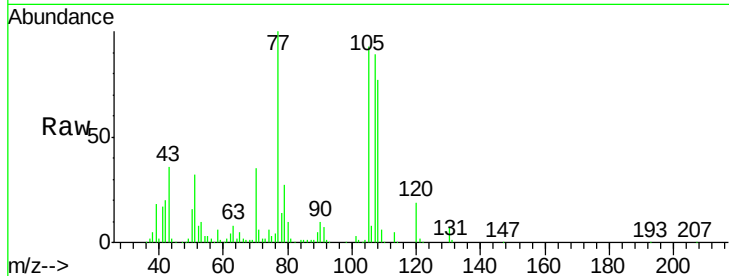
ClientSampleId :

PB91742BS

Tot Ion:105 Resp: 380194

Ion Ratio Lower Upper

105	100		
71	6.2	5.3	7.9
51	34.6	18.2	27.4
120	20.3	18.0	27.0

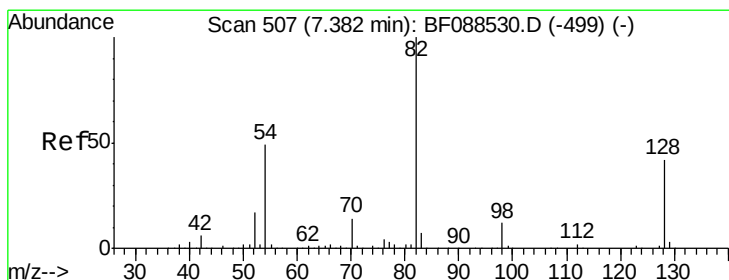
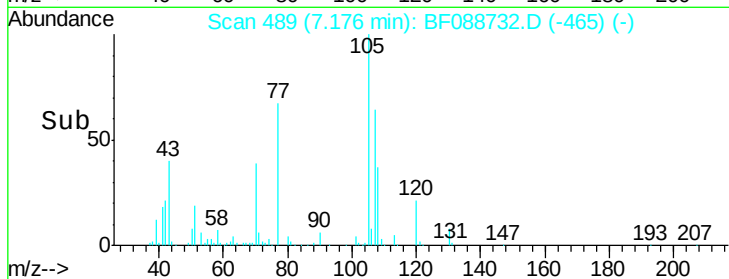
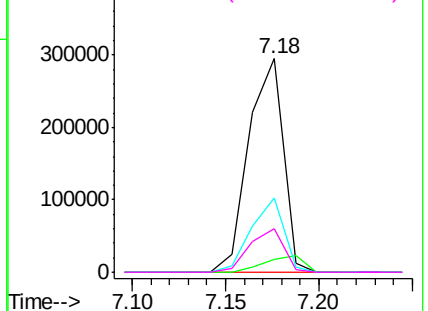


Abundance Ion 105.00 (104.70 to 105.70): E

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: 72.55 ng

RT: 7.32 min Scan# 502

Delta R.T. -0.02 min

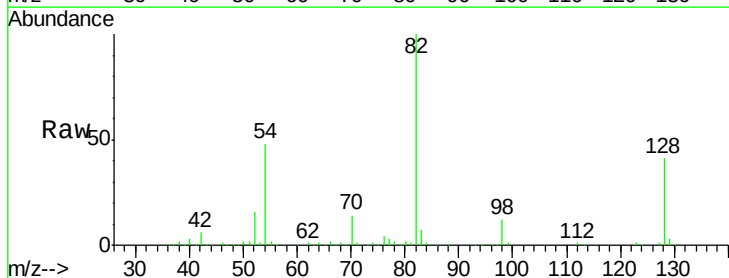
Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

Tgt Ion: 82 Resp: 549523

Ion Ratio Lower Upper

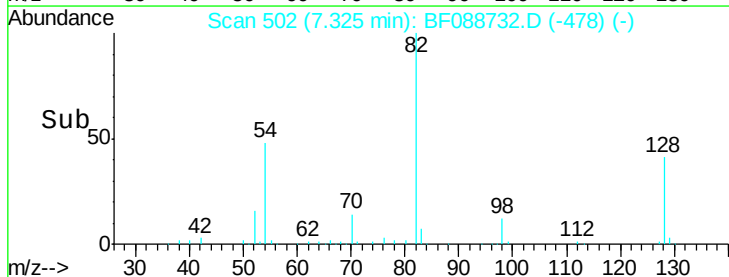
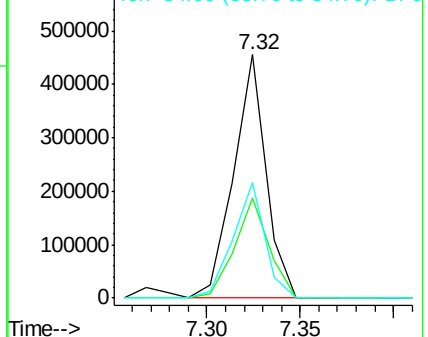
82	100		
128	41.3	35.9	53.9
54	47.6	40.9	61.3

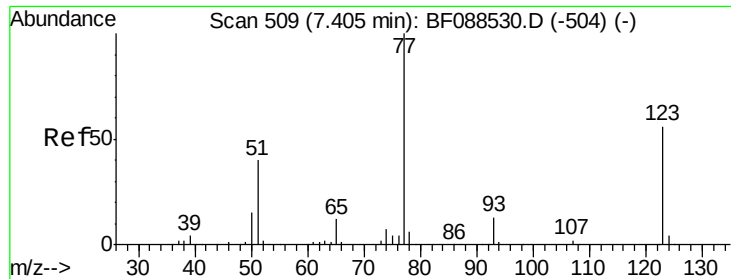


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 43.67 ng

RT: 7.35 min Scan# 504

Delta R.T. -0.01 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

Instrument :

BNA_F

ClientSampleId :

PB91742BS

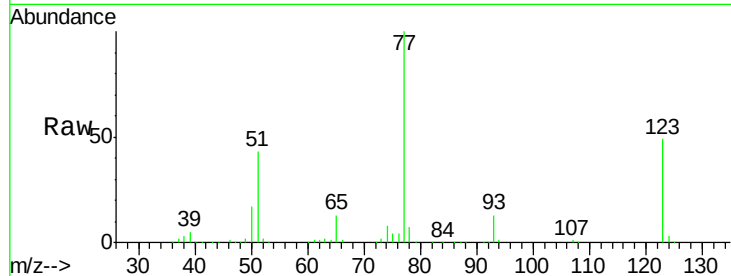
Tot Ion: 77 Resp: 333509

Ion Ratio Lower Upper

77 100

123 49.5 45.0 67.4

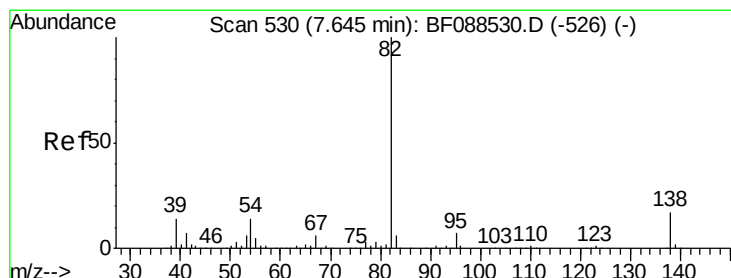
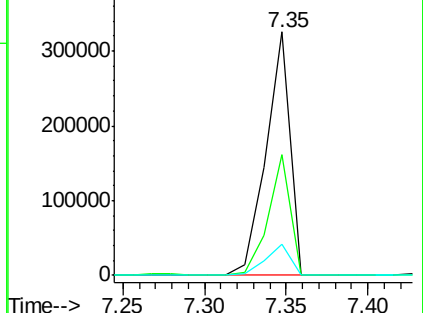
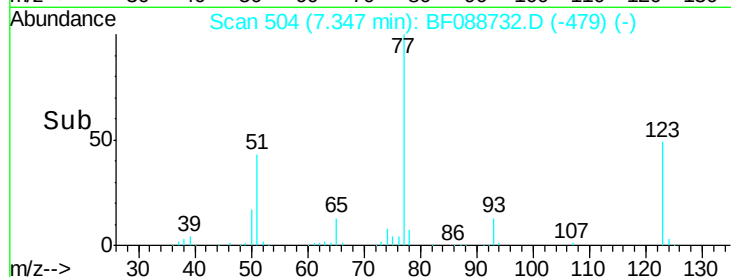
65 12.7 10.2 15.2



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: 39.21 ng

RT: 7.59 min Scan# 525

Delta R.T. -0.02 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

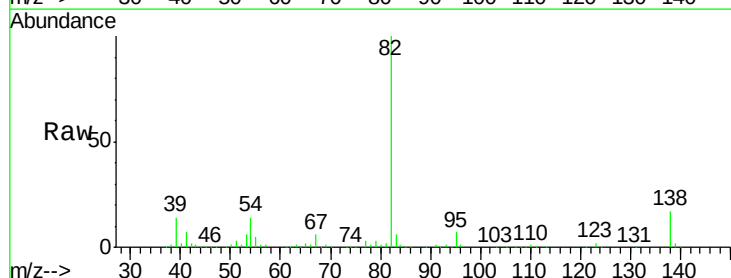
Tgt Ion: 82 Resp: 550060

Ion Ratio Lower Upper

82 100

95 7.5 5.4 8.2

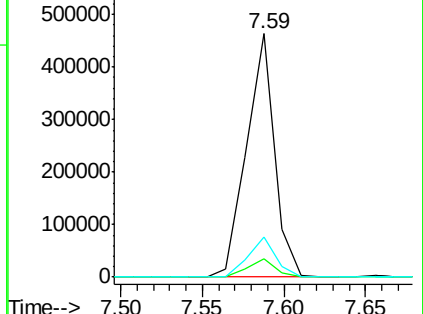
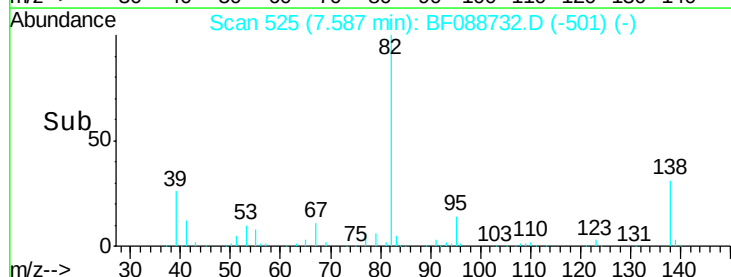
138 16.6 14.6 21.8

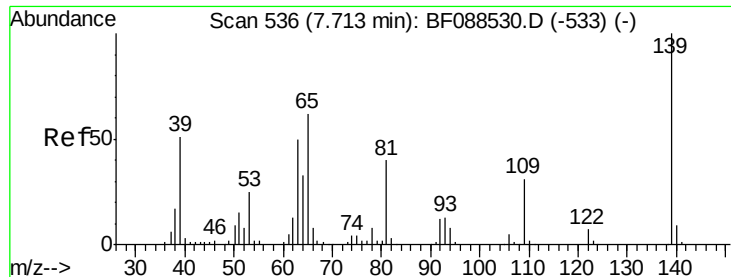


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

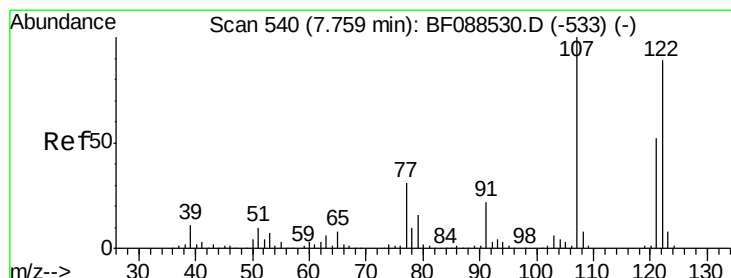
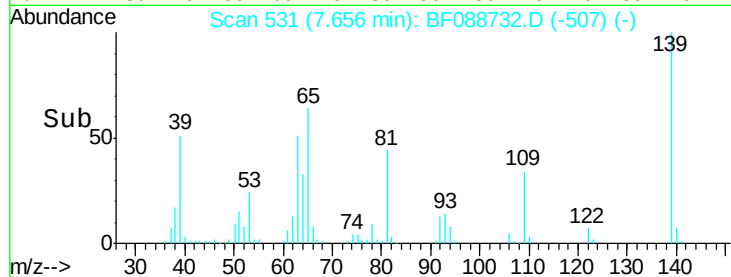
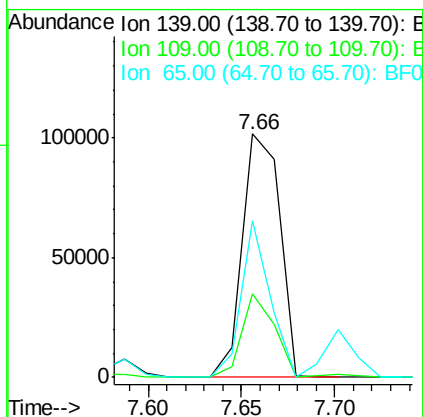
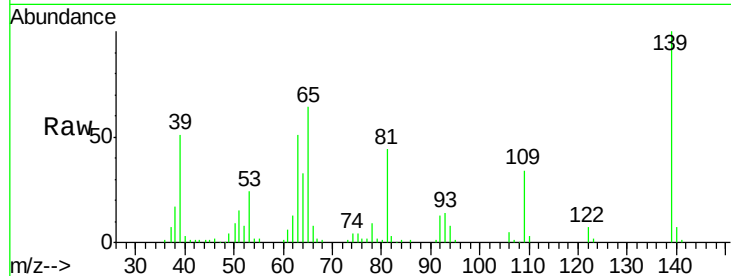




#26
2-Nitrophenol
Concen: 45.02 ng
RT: 7.66 min Scan# 531
Delta R.T. -0.02 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

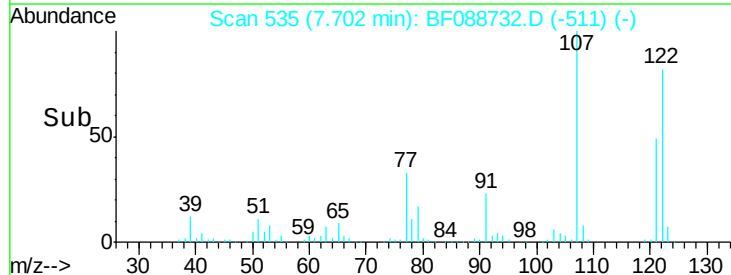
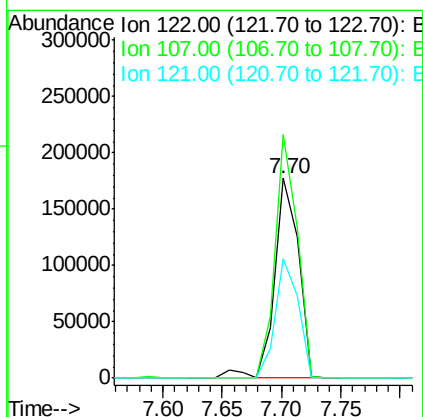
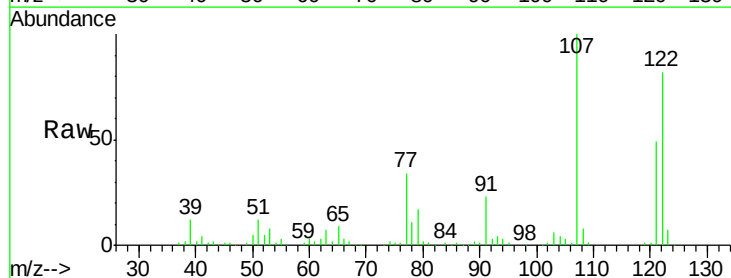
Instrument :
BNA_F
ClientSampleId :
PB91742BS

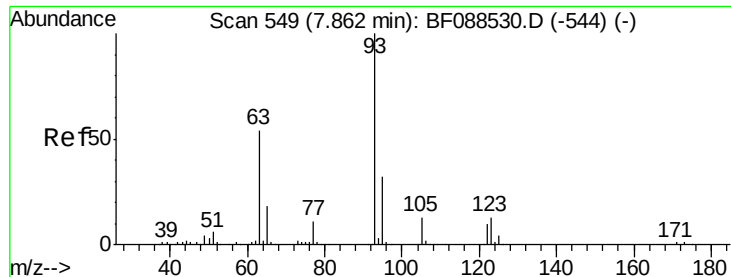
Tot Ion:139 Resp: 140989
Ion Ratio Lower Upper
139 100
109 34.3 23.0 34.4
65 64.1 45.8 68.8



#27
2,4-Dimethylphenol
Concen: 38.27 ng
RT: 7.70 min Scan# 535
Delta R.T. -0.02 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

Tgt Ion:122 Resp: 249606
Ion Ratio Lower Upper
122 100
107 122.0 82.4 123.6
121 60.2 46.3 69.5

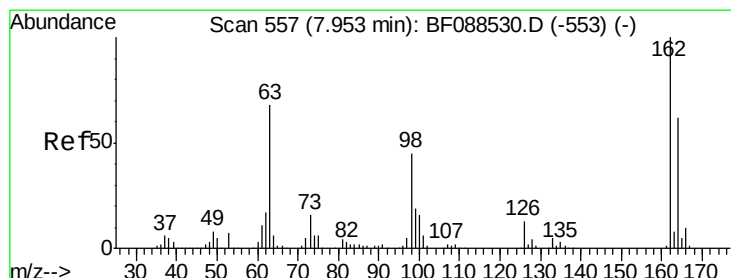
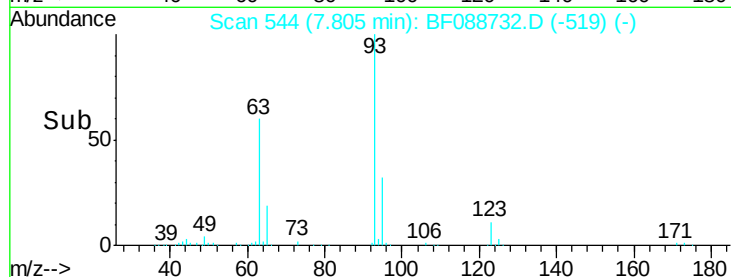
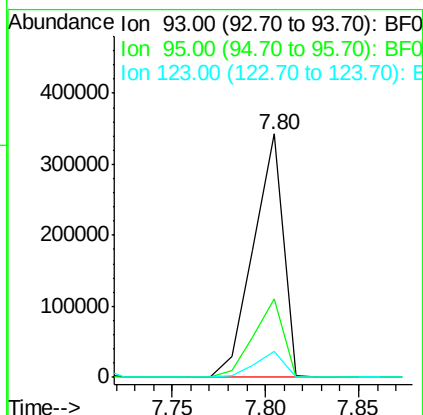
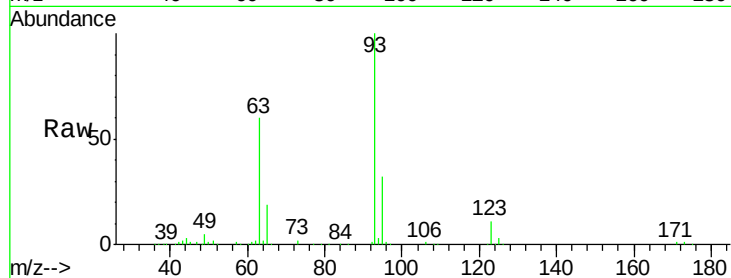




#28
bis(2-Chloroethoxy)methane
Concen: 41.60 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

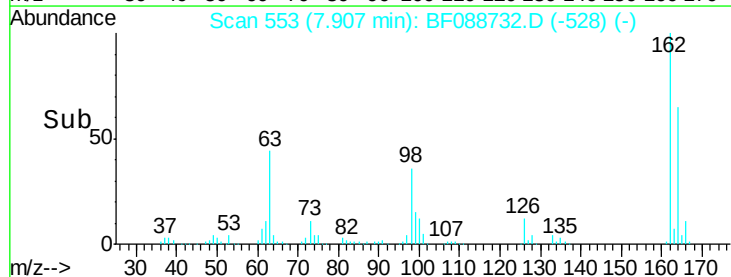
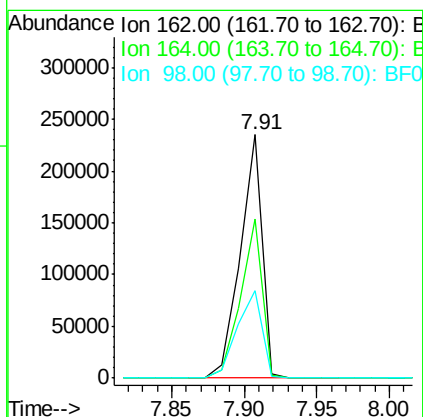
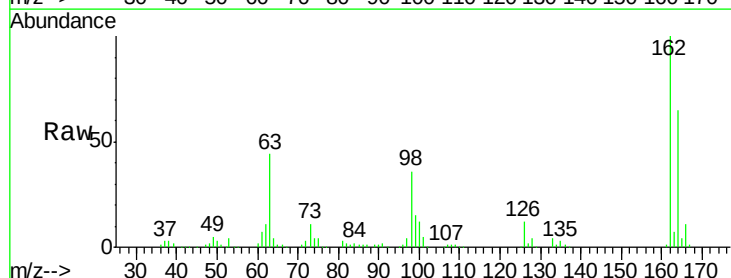
Instrument :
BNA_F
ClientSampleId :
PB91742BS

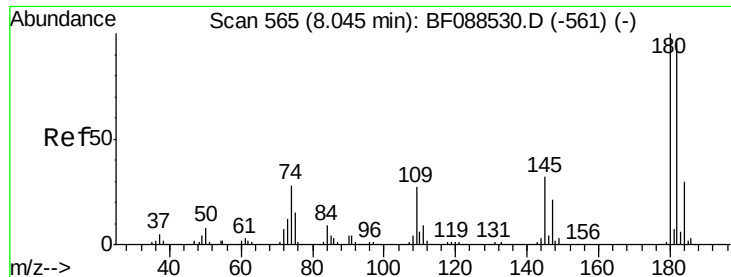
Tot Ion: 93 Resp: 379797
Ion Ratio Lower Upper
93 100
95 32.1 26.5 39.7
123 10.8 11.6 17.4#



#29
2,4-Dichlorophenol
Concen: 46.70 ng
RT: 7.91 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

Tgt Ion: 162 Resp: 246170
Ion Ratio Lower Upper
162 100
164 65.2 43.8 83.8
98 35.8 21.3 61.3

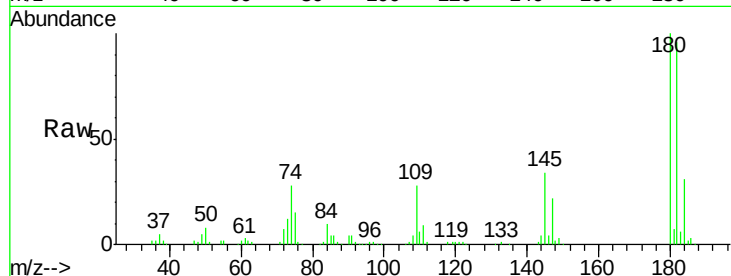




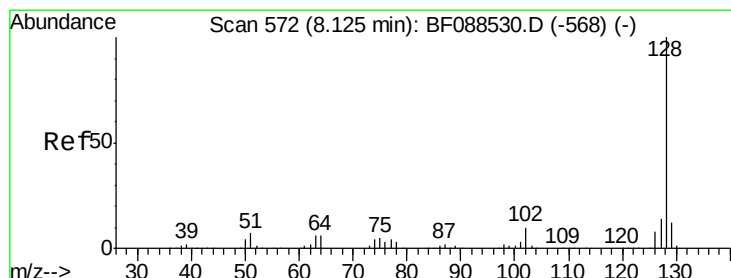
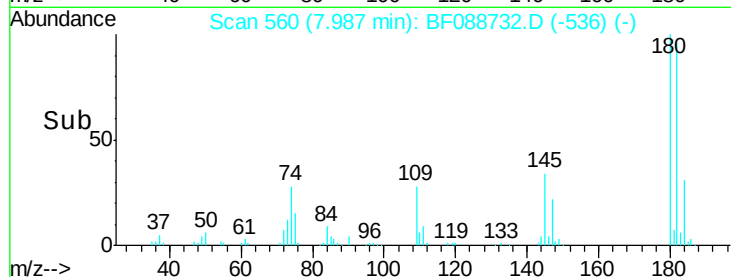
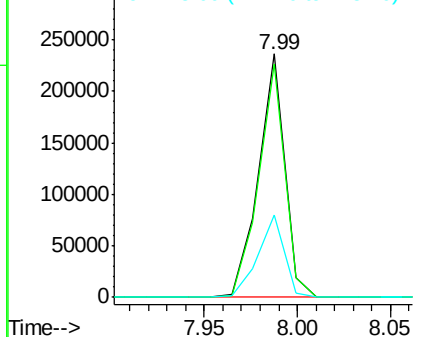
#30
 1,2,4-Trichlorobenzene
 Concen: 39.72 ng
 RT: 7.99 min Scan# 560
 Delta R.T. -0.02 min
 Lab File: BF088732.D
 Acq: 6 Jul 2016 11:58

Instrument :
 BNA_F
 ClientSampleId :
 PB91742BS

Tot Ion:180 Resp: 229755
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.0 114.0
 145 33.9 26.5 39.7

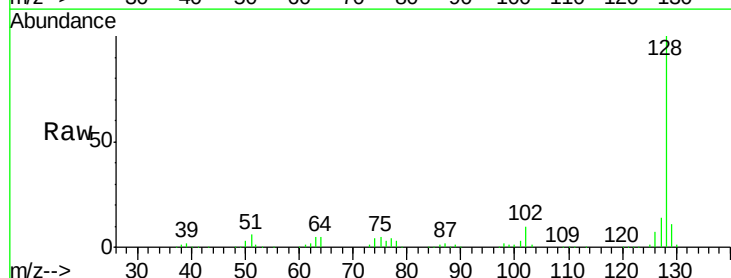


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

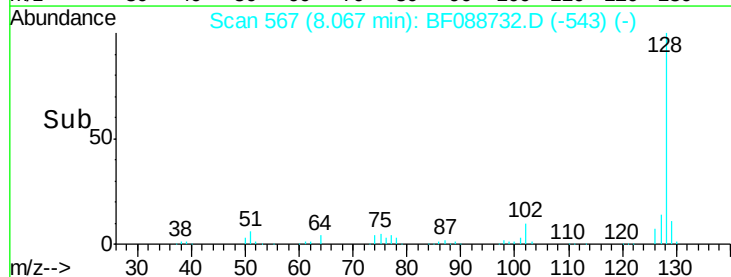
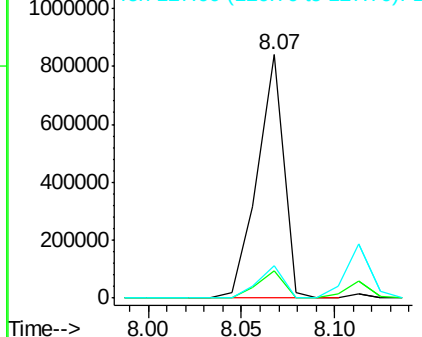


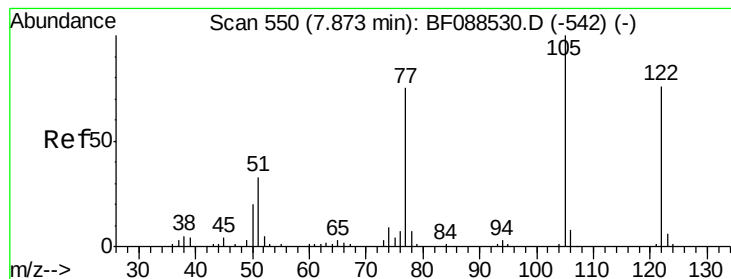
#31
 Naphthalene
 Concen: 41.95 ng
 RT: 8.07 min Scan# 567
 Delta R.T. -0.02 min
 Lab File: BF088732.D
 Acq: 6 Jul 2016 11:58

Tgt Ion:128 Resp: 820923
 Ion Ratio Lower Upper
 128 100
 129 11.2 9.4 14.2
 127 13.6 10.9 16.3



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: 52.71 ng

RT: 7.70 min Scan# 535

Delta R.T. -0.16 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

Instrument :

BNA_F

ClientSampleId :

PB91742BS

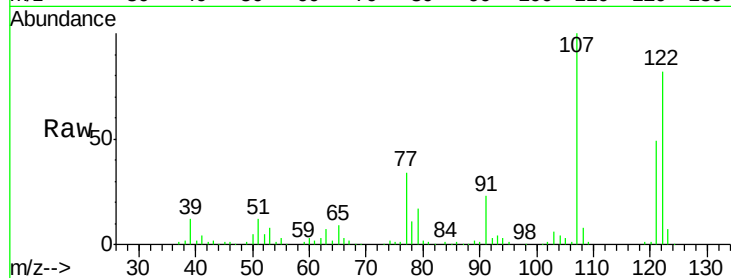
Tot Ion:122 Resp: 249606

Ion Ratio Lower Upper

122 100

105 4.0 101.6 141.6#

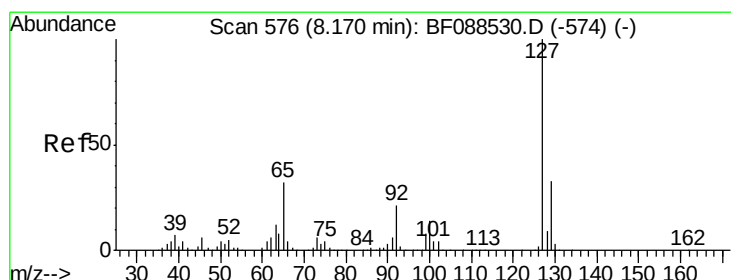
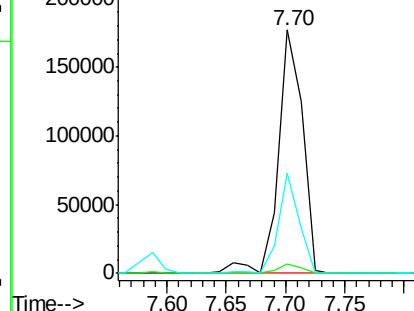
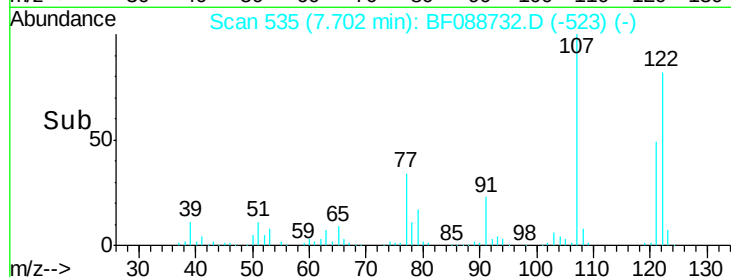
77 41.3 70.6 110.6#



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: 19.83 ng

RT: 8.11 min Scan# 571

Delta R.T. -0.02 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

Tgt Ion:127 Resp: 172635

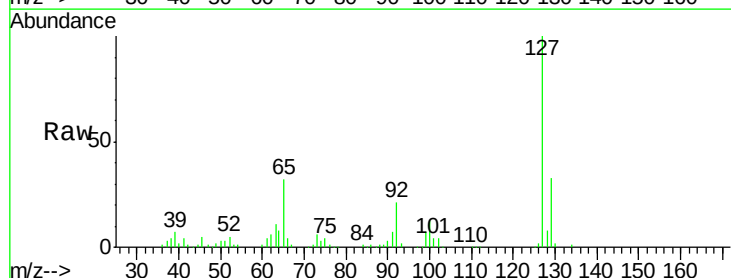
Ion Ratio Lower Upper

127 100

129 32.7 26.3 39.5

65 32.1 24.7 37.1

92 21.1 15.4 23.0

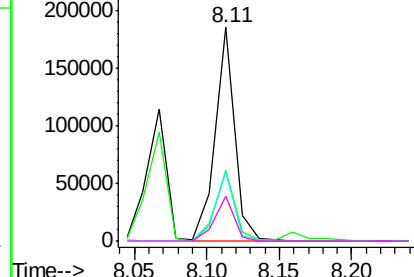
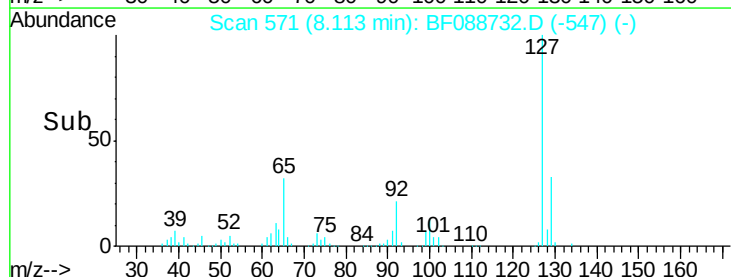


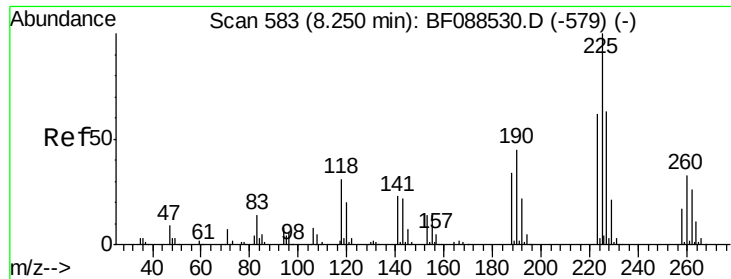
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

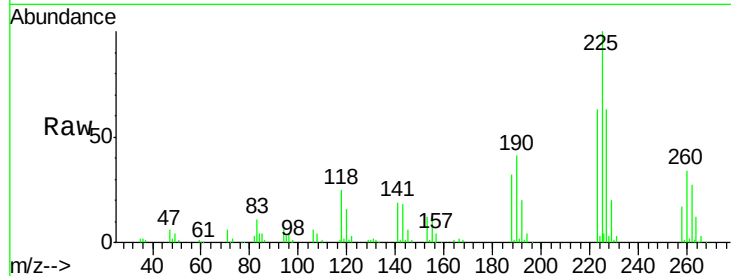




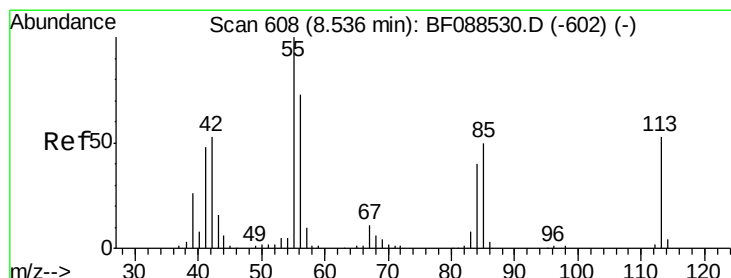
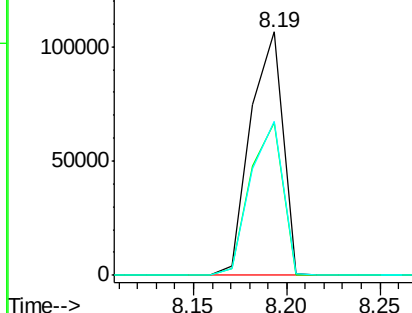
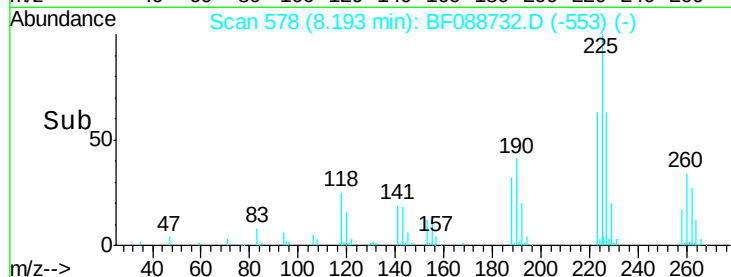
#34
Hexachlorobutadiene
Concen: 41.33 ng
RT: 8.19 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

Instrument :
BNA_F
ClientSampleId :
PB91742BS

Tot Ion:225 Resp: 128012
Ion Ratio Lower Upper
225 100
223 62.6 50.9 76.3
227 63.2 51.9 77.9

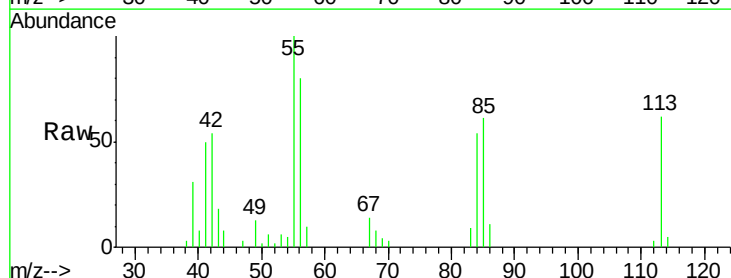


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

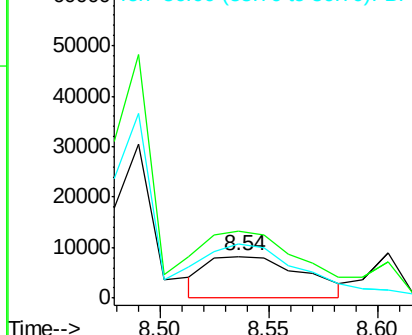
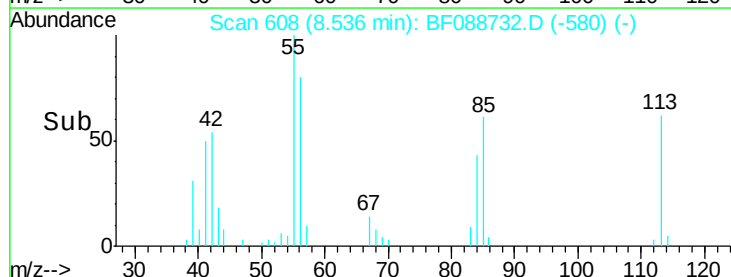


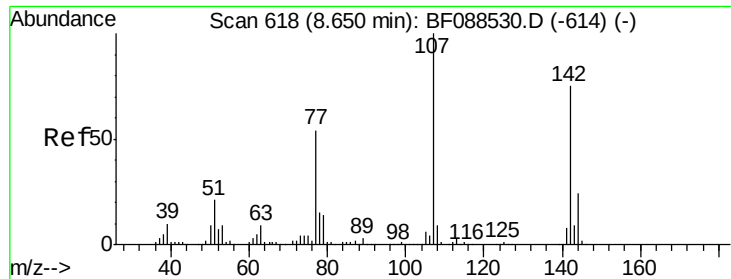
#35
Caprolactam
Concen: 14.27 ng
RT: 8.54 min Scan# 608
Delta R.T. 0.02 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

Tgt Ion:113 Resp: 25542
Ion Ratio Lower Upper
113 100
55 161.1 158.6 198.6
56 128.6 110.6 150.6



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

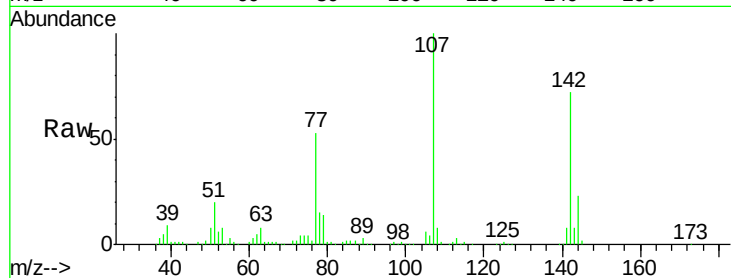




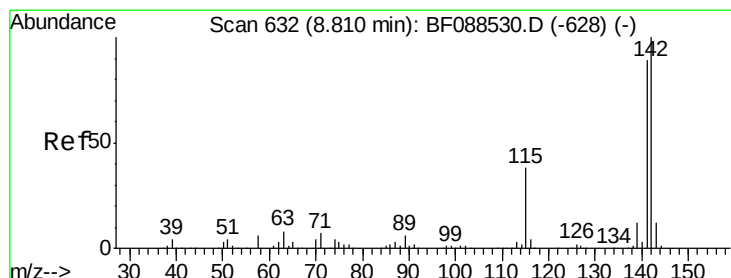
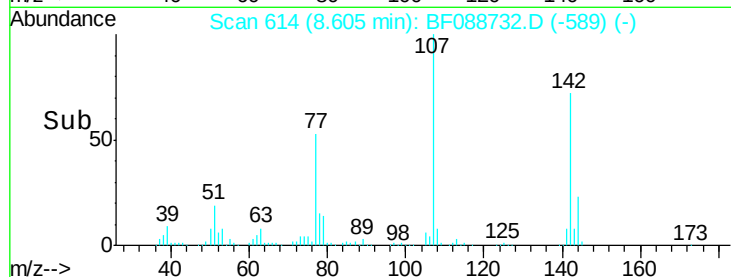
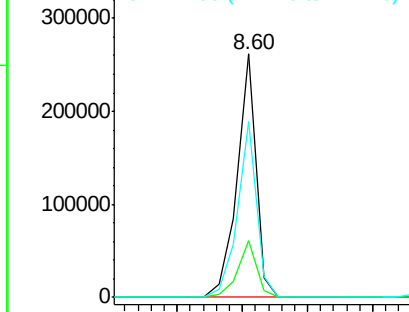
#36
 4-Chloro-3-methylphenol
 Concen: 42.27 ng
 RT: 8.60 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF088732.D
 Acq: 6 Jul 2016 11:58

Instrument :
 BNA_F
 ClientSampleId :
 PB91742BS

Tot Ion	Ratio	Lower	Upper
107	100		
144	23.3	20.8	31.2
142	72.5	63.4	95.2

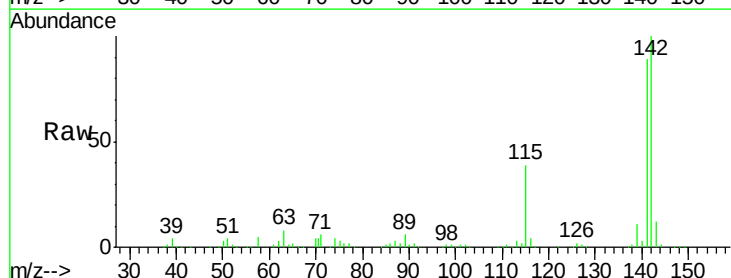


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

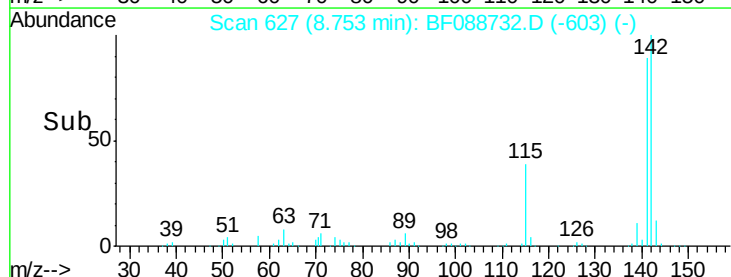
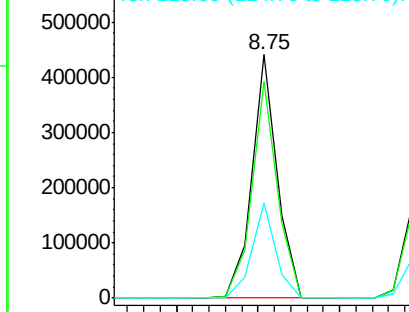


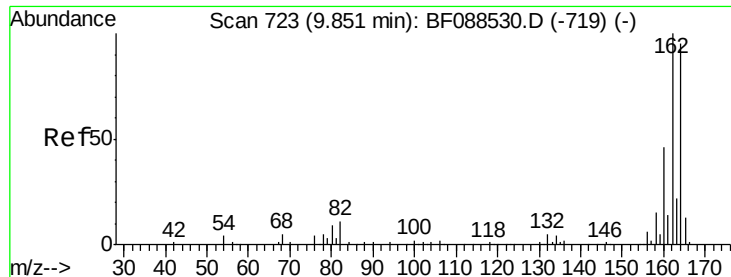
#37
 2-Methylnaphthalene
 Concen: 37.58 ng
 RT: 8.75 min Scan# 627
 Delta R.T. -0.02 min
 Lab File: BF088732.D
 Acq: 6 Jul 2016 11:58

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.0	106.6
115	39.3	22.6	33.8



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.79 min Scan# 718

Delta R.T. -0.02 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

Instrument :

BNA_F

ClientSampleId :

PB91742BS

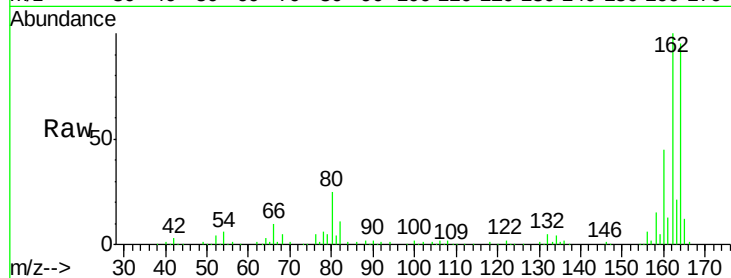
Tot Ion:164 Resp: 183801

Ion Ratio Lower Upper

164 100

162 105.1 85.4 128.2

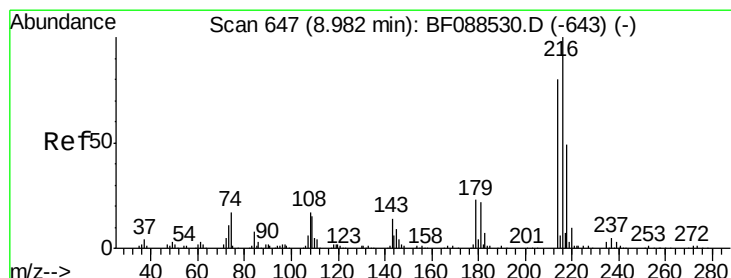
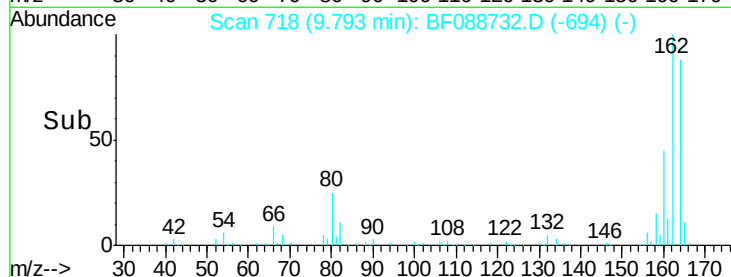
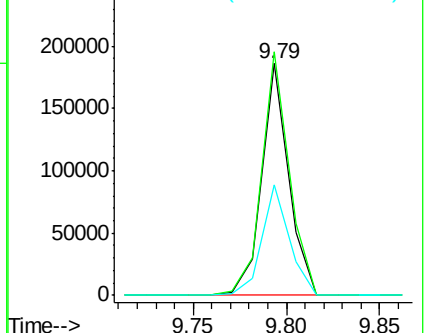
160 47.4 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 35.85 ng

RT: 8.92 min Scan# 642

Delta R.T. -0.02 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

Tgt Ion:216 Resp: 219182

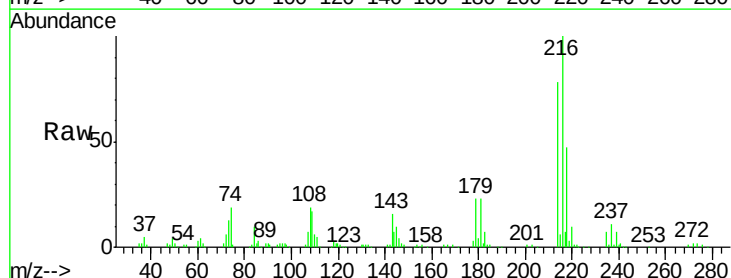
Ion Ratio Lower Upper

216 100

214 78.7 2.9 4.3#

179 23.5 0.0 0.0#

108 25.0 0.5 0.7#

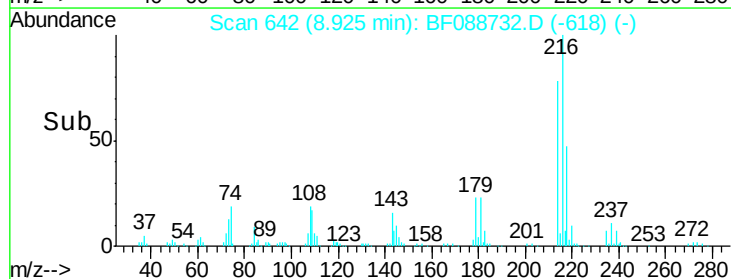
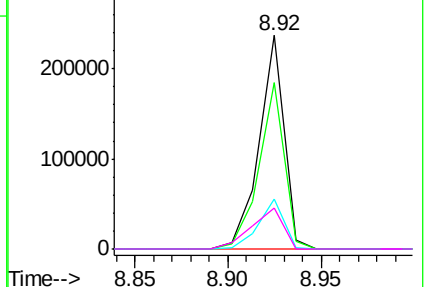


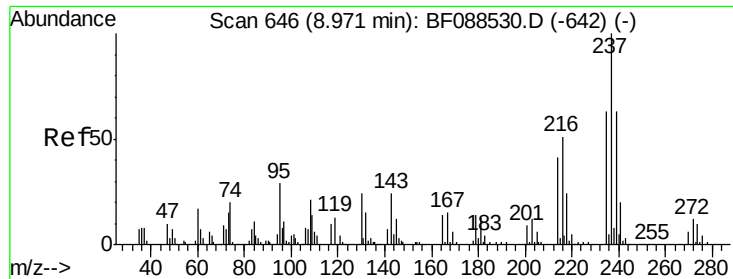
Abundance Ion 216.00 (215.70 to 216.70): E

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

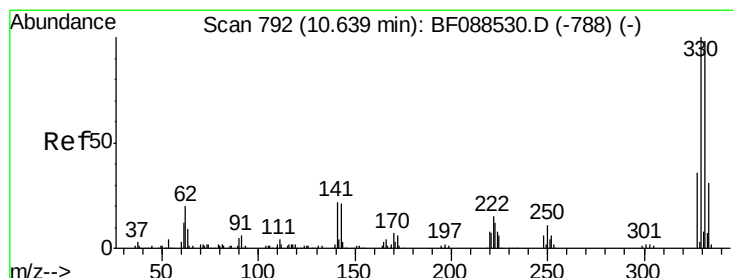
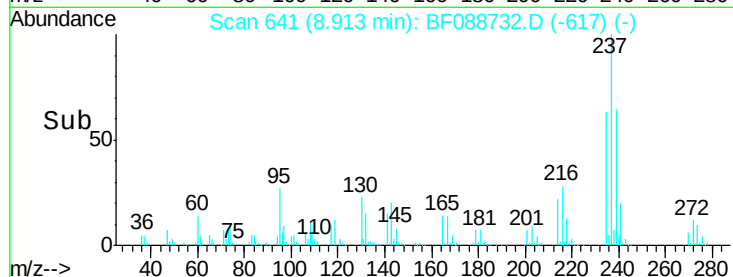
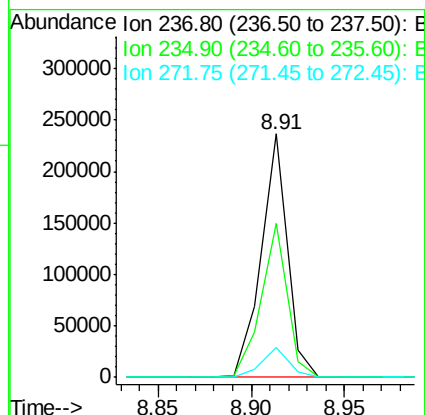
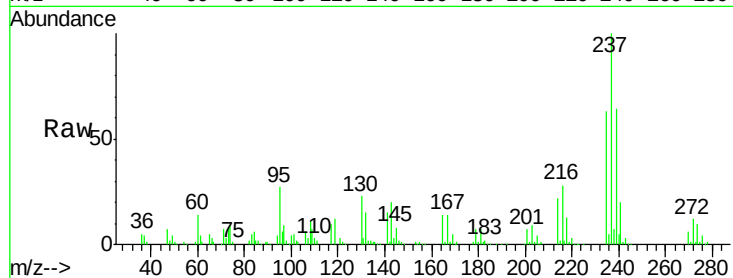




#40
Hexachlorocyclopentadiene
Concen: 76.22 ng
RT: 8.91 min Scan# 641
Delta R.T. -0.02 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

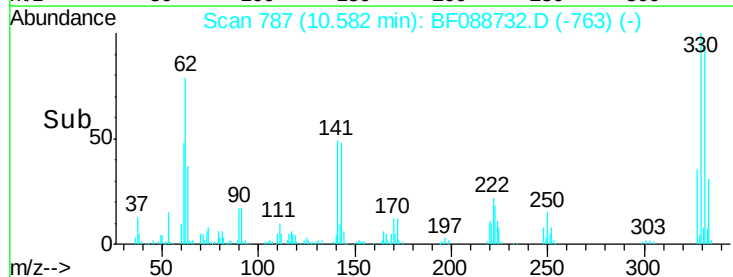
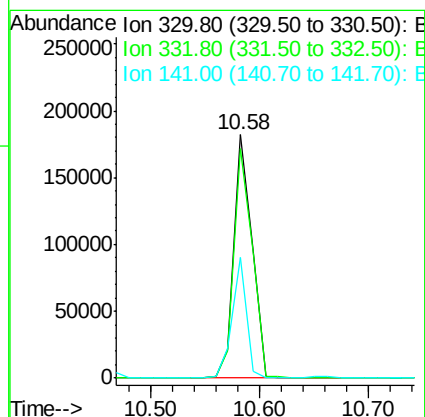
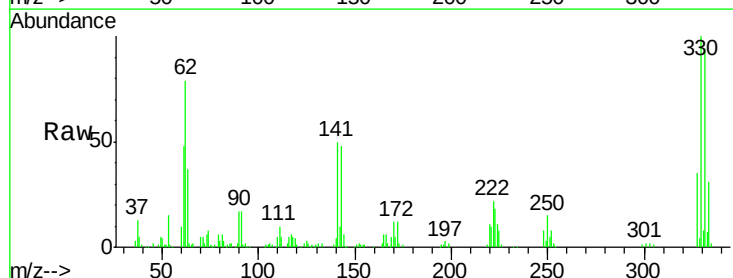
Instrument :
BNA_F
ClientSampleId :
PB91742BS

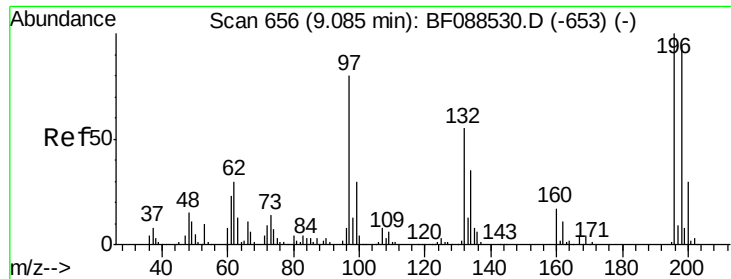
Tot Ion:237 Resp: 228712
Ion Ratio Lower Upper
237 100
235 63.1 43.4 83.4
272 12.0 0.0 32.3



#41
2,4,6-Tribromophenol
Concen: 122.49 ng
RT: 10.58 min Scan# 787
Delta R.T. -0.02 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

Tgt Ion:330 Resp: 209071
Ion Ratio Lower Upper
330 100
332 95.5 0.0 0.0#
141 39.3 0.0 0.0#

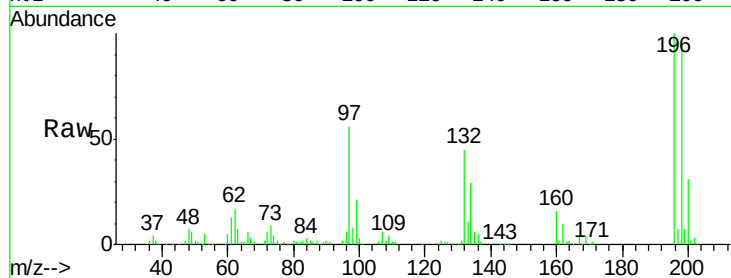




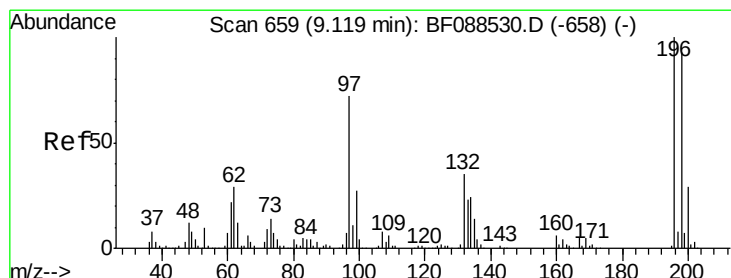
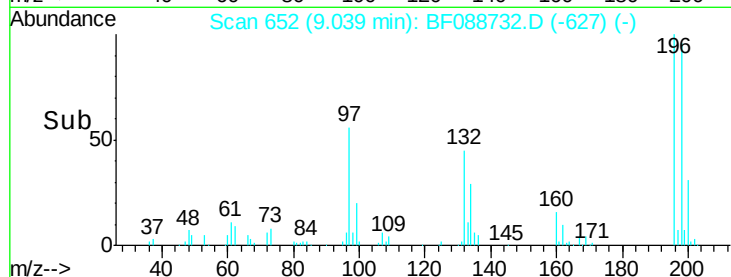
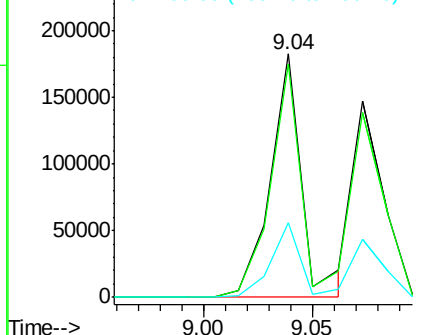
#42
2,4,6-Trichlorophenol
Concen: 46.01 ng
RT: 9.04 min Scan# 652
Delta R.T. -0.01 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

Instrument :
BNA_F
ClientSampleId :
PB91742BS

Tot Ion:196 Resp: 185457
Ion Ratio Lower Upper
196 100
198 95.7 78.0 117.0
200 30.6 25.4 38.2

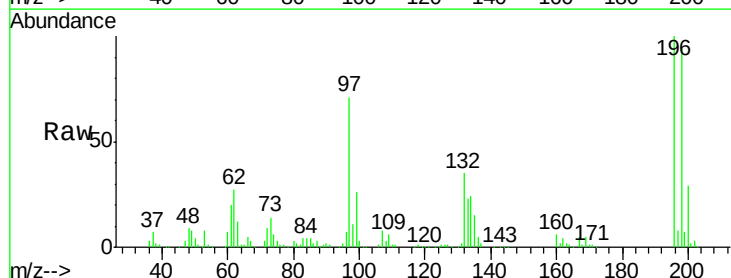


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E

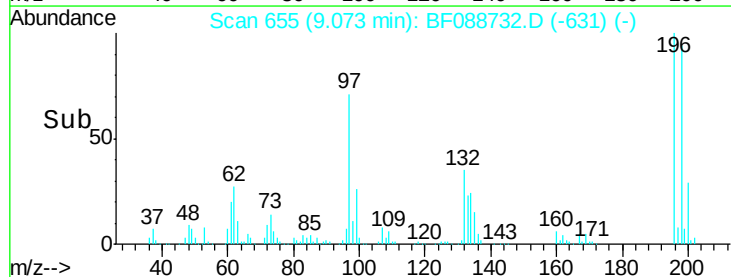
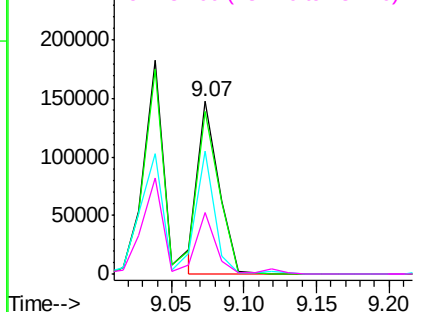


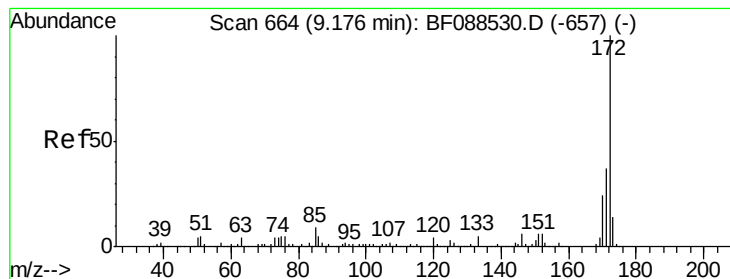
#43
2,4,5-Trichlorophenol
Concen: 42.17 ng
RT: 9.07 min Scan# 655
Delta R.T. -0.02 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

Tgt Ion:196 Resp: 146232
Ion Ratio Lower Upper
196 100
198 94.0 77.5 116.3
97 71.1 32.0 48.0#
132 35.4 20.9 31.3#



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: 85.87 ng

RT: 9.12 min Scan# 659

Delta R.T. -0.02 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

Instrument :

BNA_F

ClientSampleId :

PB91742BS

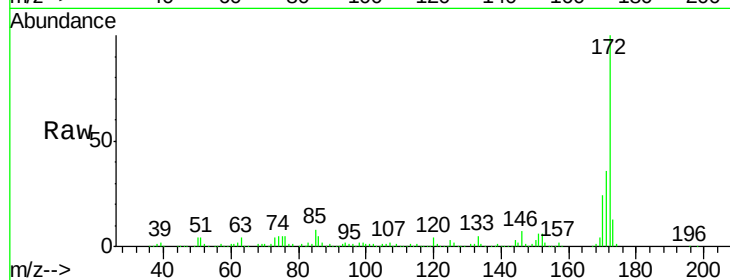
Tot Ion:172 Resp: 999184

Ion Ratio Lower Upper

172 100

171 36.1 28.6 43.0

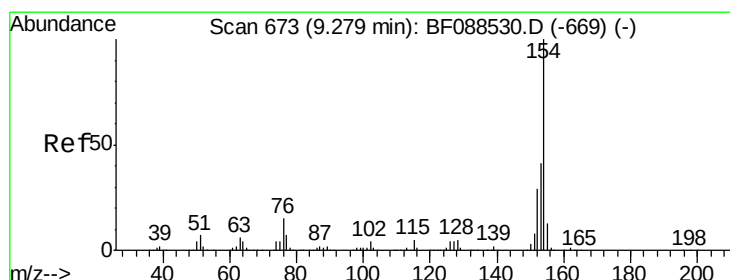
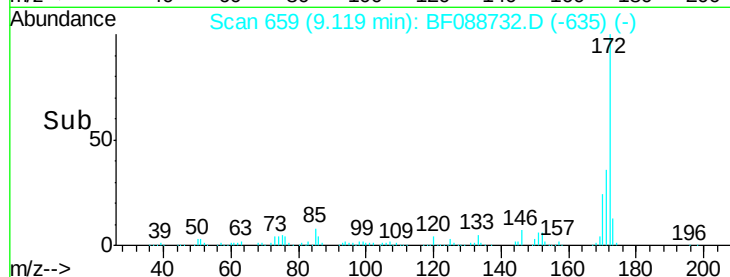
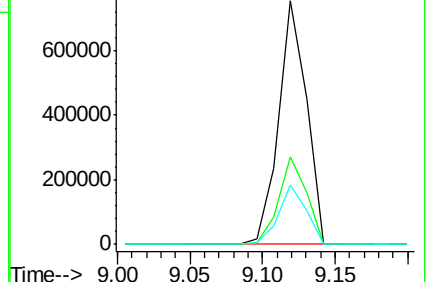
170 24.2 19.2 28.8



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: 41.41 ng

RT: 9.22 min Scan# 668

Delta R.T. -0.02 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

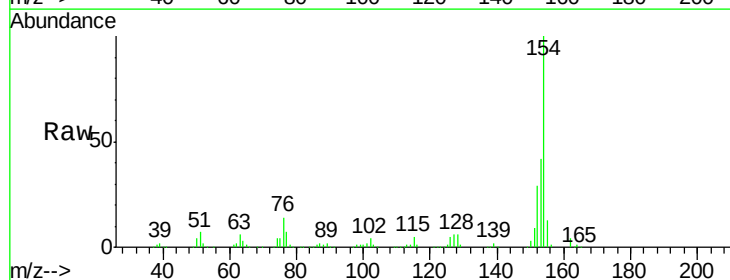
Tgt Ion:154 Resp: 630248

Ion Ratio Lower Upper

154 100

153 41.7 20.6 60.6

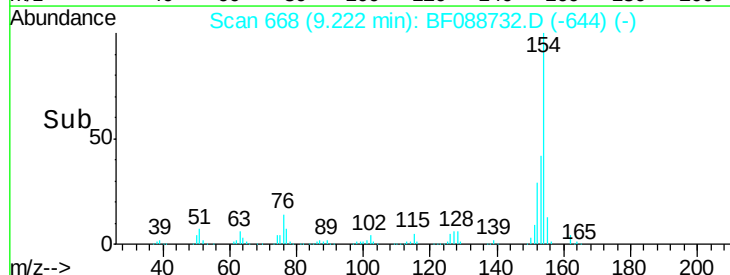
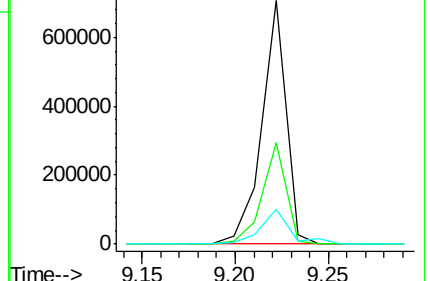
76 14.1 0.0 35.1

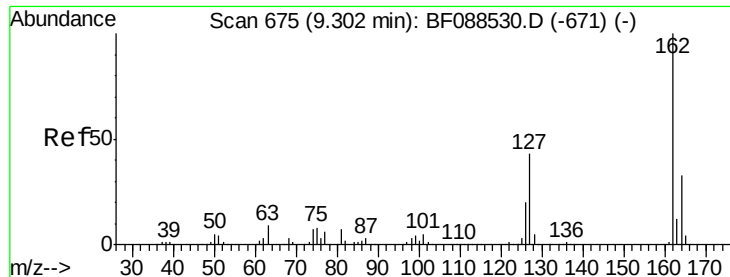


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

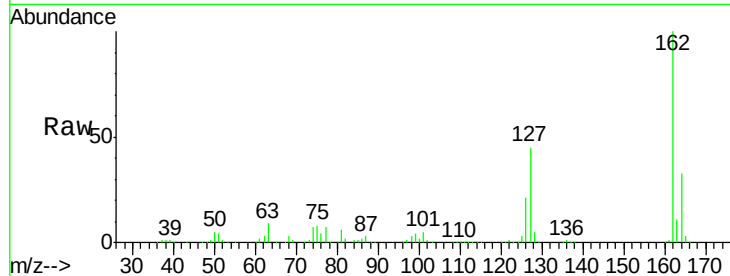




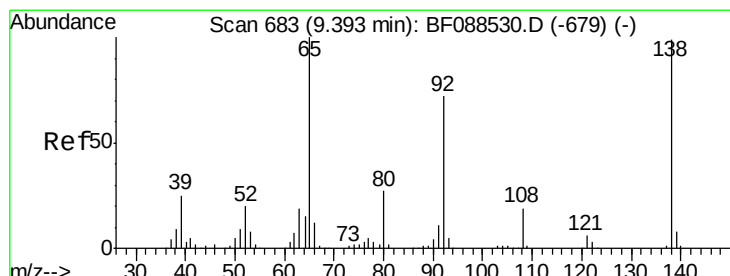
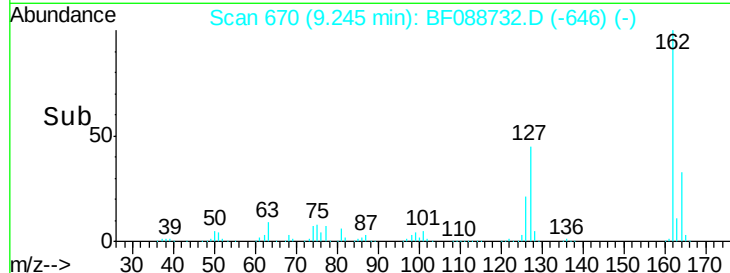
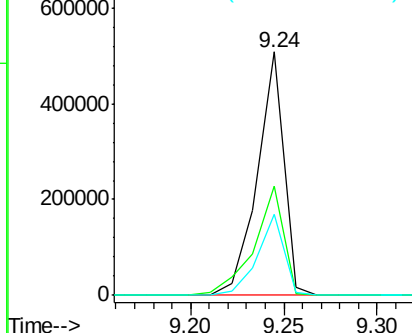
#46
 2-Chloronaphthalene
 Concen: 41.69 ng
 RT: 9.24 min Scan# 670
 Delta R.T. -0.02 min
 Lab File: BF088732.D
 Acq: 6 Jul 2016 11:58

Instrument :
 BNA_F
 ClientSampleId :
 PB91742BS

Tot Ion:162 Resp: 498163
 Ion Ratio Lower Upper
 162 100
 127 45.0 35.2 52.8
 164 33.1 26.6 39.8

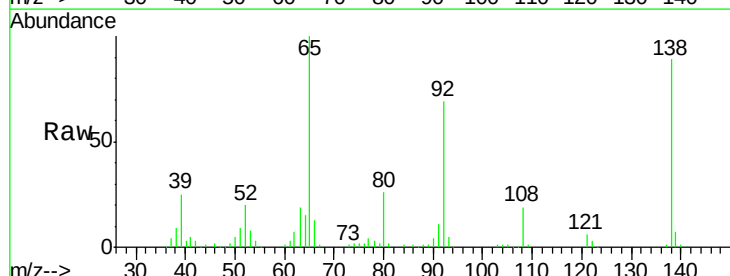


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

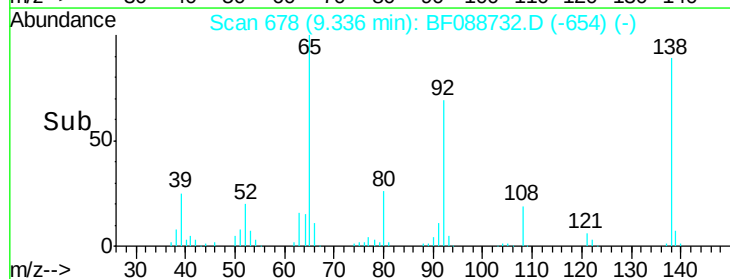
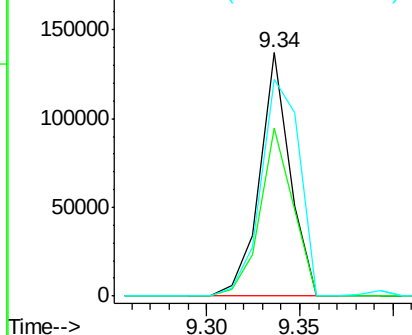


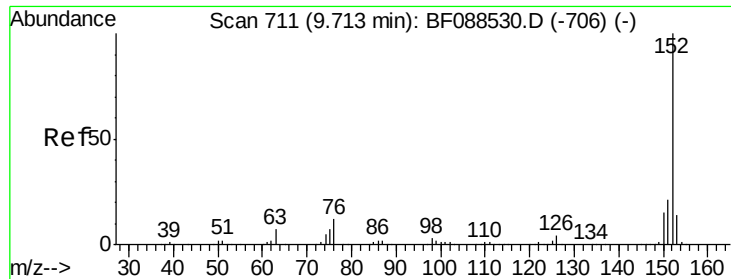
#47
 2-Nitroaniline
 Concen: 36.90 ng
 RT: 9.34 min Scan# 678
 Delta R.T. -0.02 min
 Lab File: BF088732.D
 Acq: 6 Jul 2016 11:58

Tgt Ion: 65 Resp: 156477
 Ion Ratio Lower Upper
 65 100
 92 69.1 54.6 82.0
 138 89.1 77.0 115.4



Abundance Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 39.03 ng

RT: 9.66 min Scan# 706

Delta R.T. -0.02 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

Instrument :

BNA_F

ClientSampleId :

PB91742BS

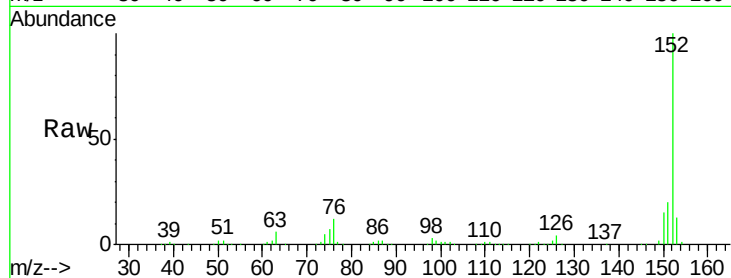
Tot Ion:152 Resp: 741968

Ion Ratio Lower Upper

152 100

151 20.4 16.2 24.4

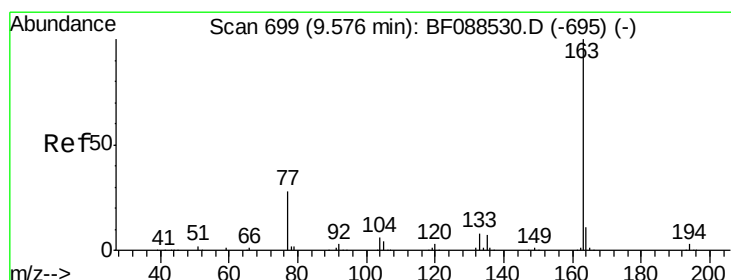
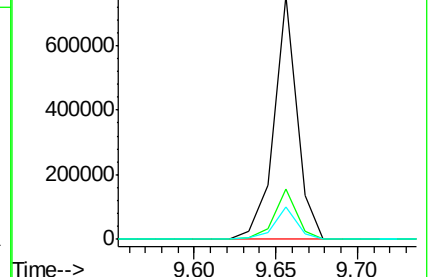
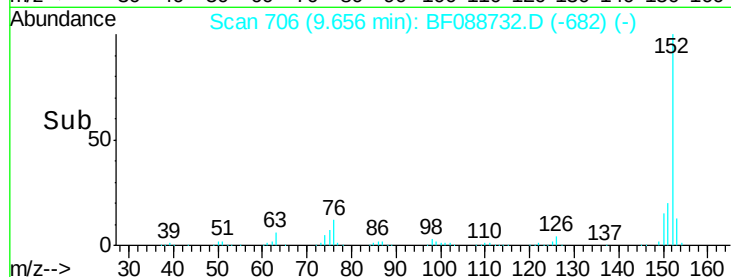
153 13.3 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 45.71 ng

RT: 9.53 min Scan# 695

Delta R.T. -0.01 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

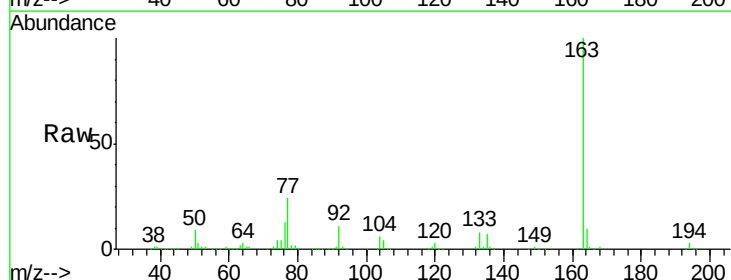
Tgt Ion:163 Resp: 598527

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

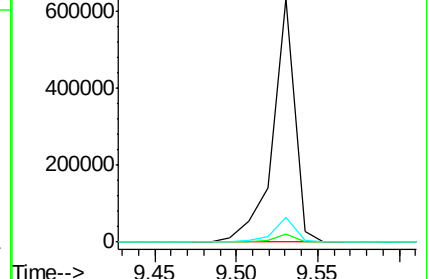
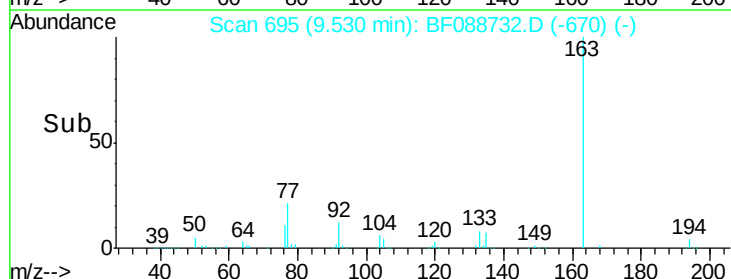
164 10.4 8.3 12.5

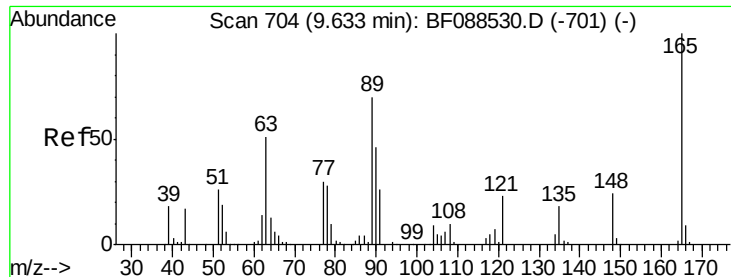


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

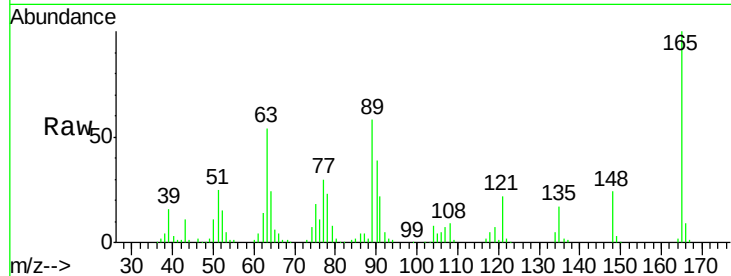




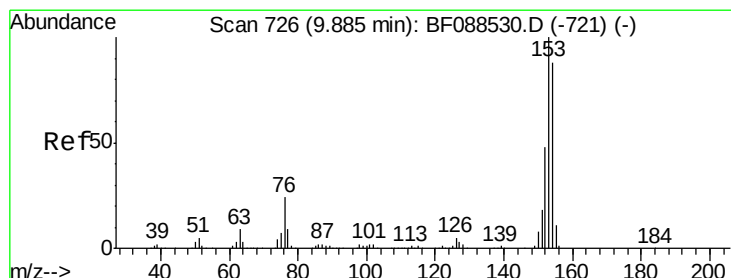
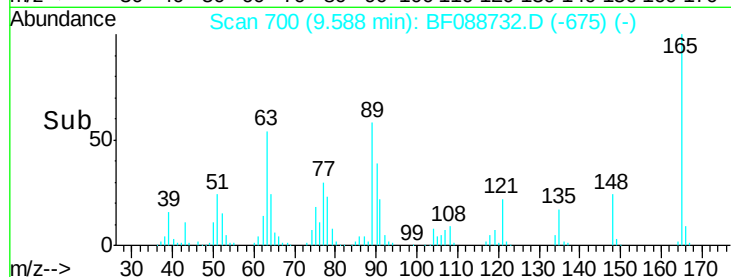
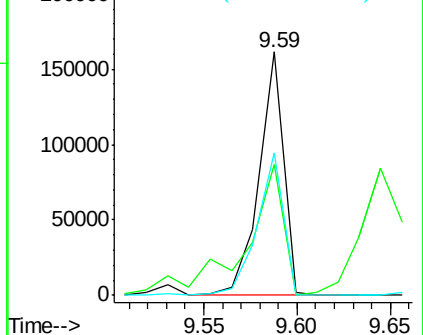
#50
2,6-Dinitrotoluene
Concen: 50.60 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.01 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

Instrument :
BNA_F
ClientSampleId :
PB91742BS

Tot Ion:165 Resp: 146842
Ion Ratio Lower Upper
165 100
63 53.6 28.1 42.1#
89 58.3 32.2 48.2#

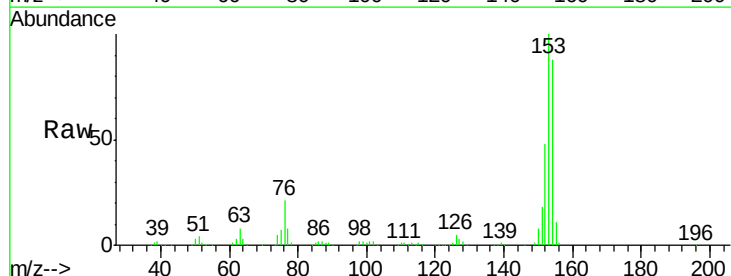


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

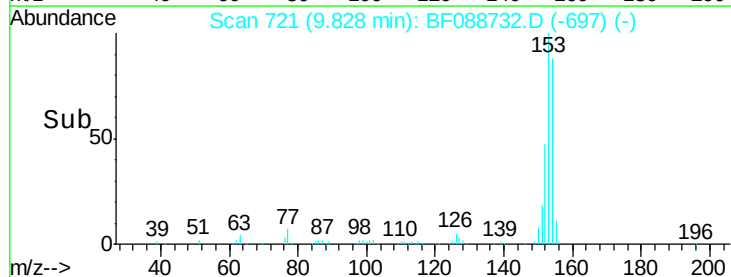
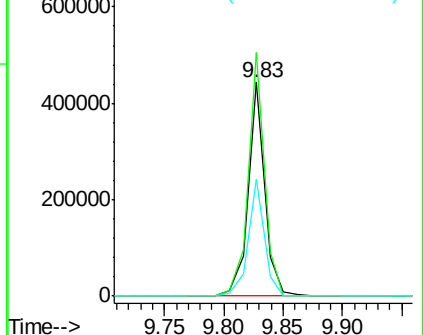


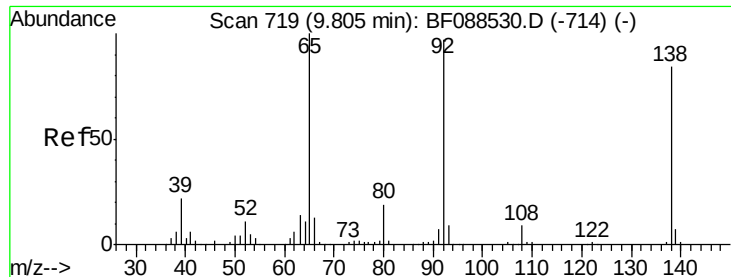
#51
Acenaphthene
Concen: 37.14 ng
RT: 9.83 min Scan# 721
Delta R.T. -0.02 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

Tgt Ion:154 Resp: 432816
Ion Ratio Lower Upper
154 100
153 113.8 89.5 134.3
152 54.8 42.7 64.1



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

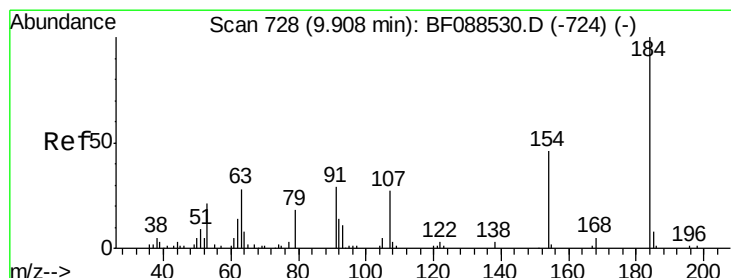
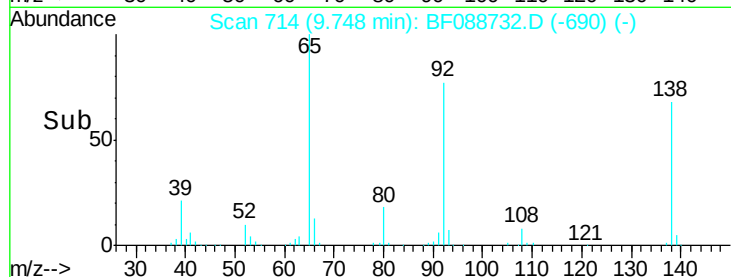
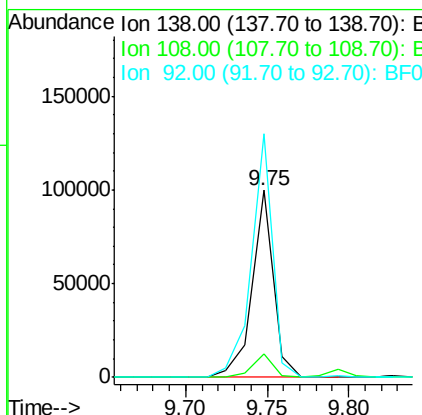
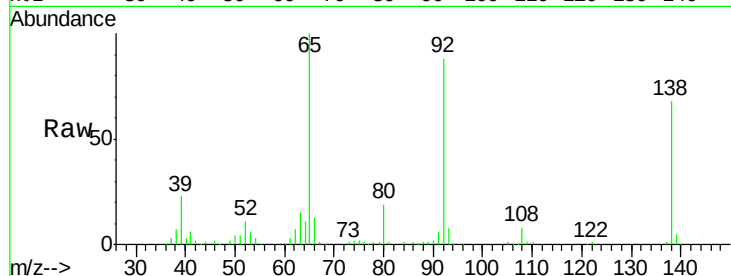




#52
 3-Nitroaniline
 Concen: 24.56 ng
 RT: 9.75 min Scan# 714
 Delta R.T. -0.02 min
 Lab File: BF088732.D
 Acq: 6 Jul 2016 11:58

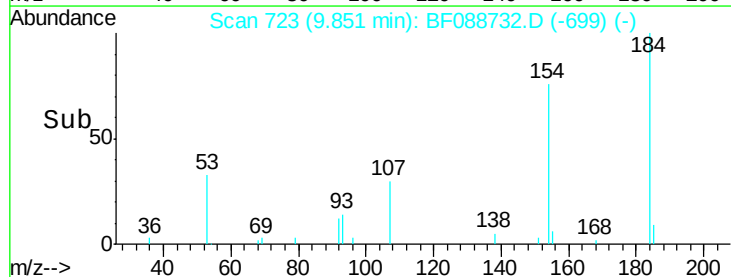
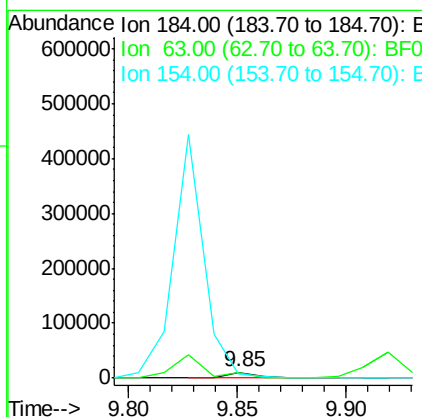
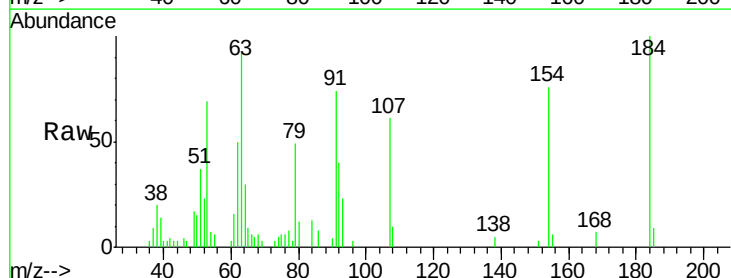
Instrument :
 BNA_F
 ClientSampleId :
 PB91742BS

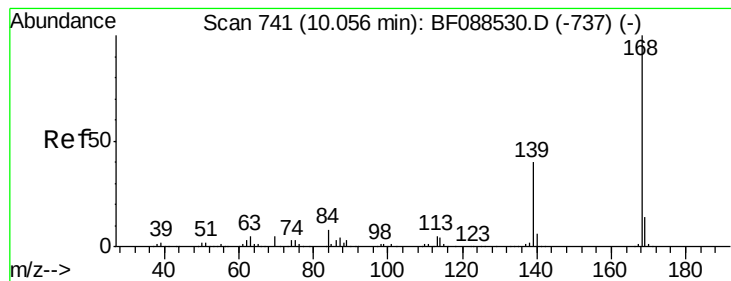
Tot Ion:138 Resp: 90612
 Ion Ratio Lower Upper
 138 100
 108 12.3 8.5 12.7
 92 130.3 95.7 143.5



#53
 2,4-Dinitrophenol
 Concen: 8.37 ng
 RT: 9.85 min Scan# 723
 Delta R.T. -0.02 min
 Lab File: BF088732.D
 Acq: 6 Jul 2016 11:58

Tgt Ion:184 Resp: 10728
 Ion Ratio Lower Upper
 184 100
 63 92.9 57.6 86.4#
 154 76.1 53.5 80.3





#54

Dibenzofuran

Concen: 43.05 ng

RT: 10.00 min Scan# 736

Delta R.T. -0.02 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

Instrument :

BNA_F

ClientSampleId :

PB91742BS

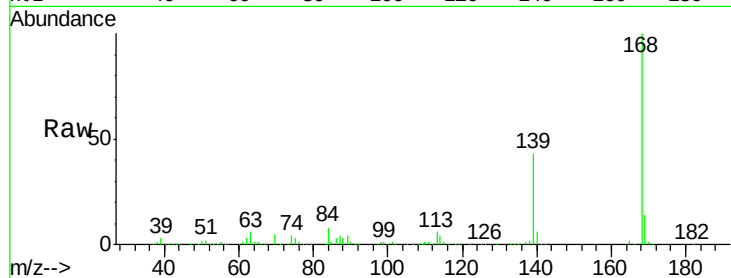
Tot Ion:168 Resp: 656595

Ion Ratio Lower Upper

168 100

139 43.0 26.4 39.6#

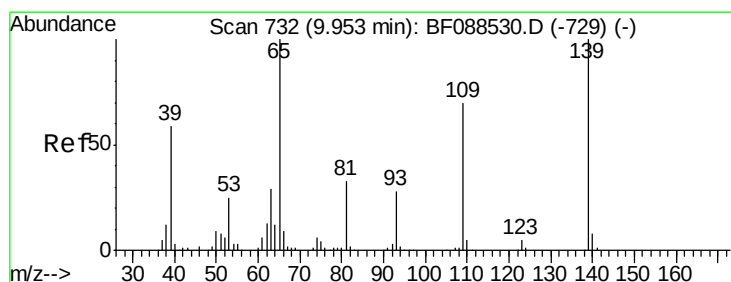
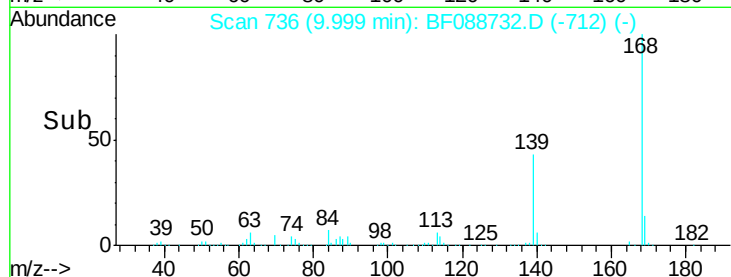
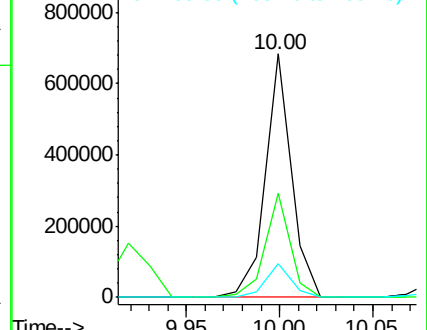
169 13.8 10.4 15.6



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: 73.95 ng

RT: 9.92 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

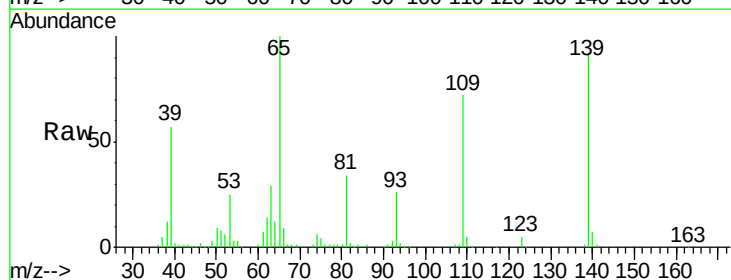
Tgt Ion:139 Resp: 207312

Ion Ratio Lower Upper

139 100

109 77.7 48.9 88.9

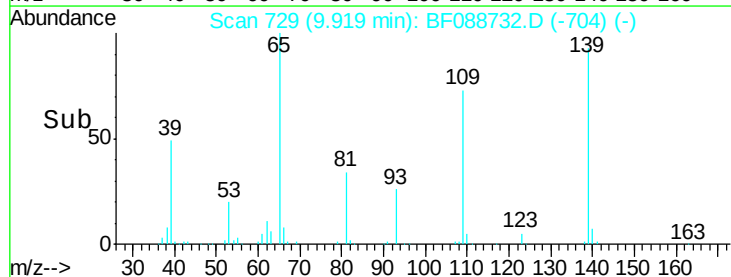
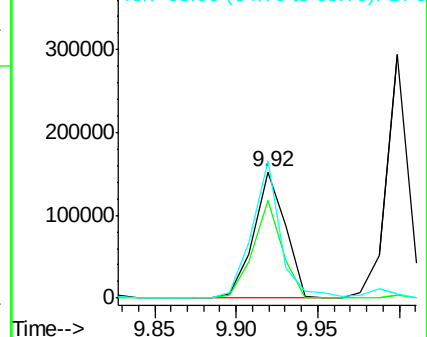
65 108.5 84.9 124.9

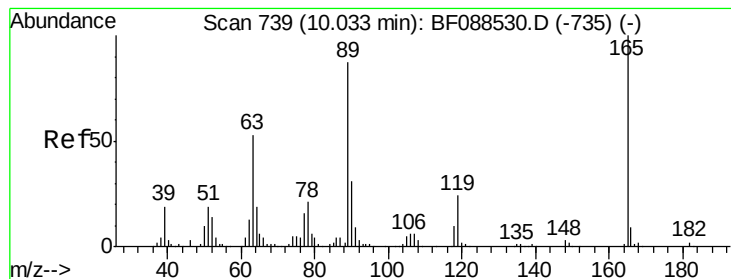


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 44.46 ng

RT: 9.99 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

Instrument :

BNA_F

ClientSampleId :

PB91742BS

Tot Ion:165 Resp: 168687

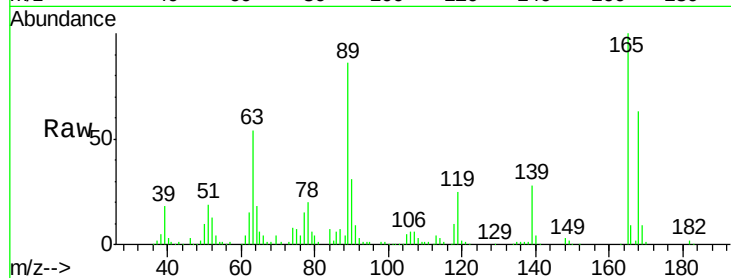
Ion Ratio Lower Upper

165 100

63 53.8 22.0 33.0#

89 86.3 41.1 61.7#

182 2.3 2.0 3.0

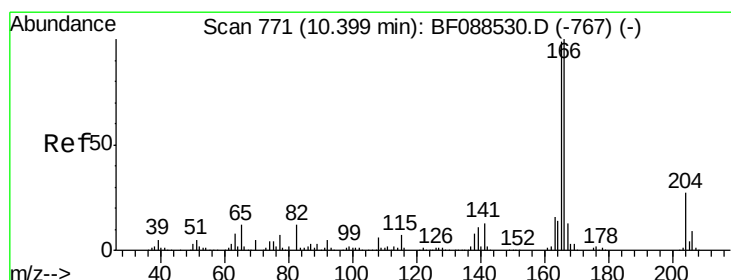
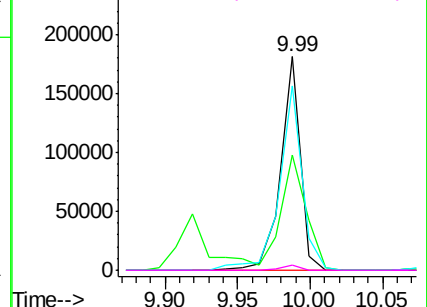
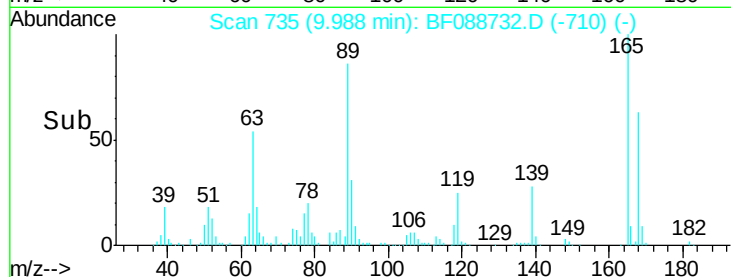


Abundance Ion 165.00 (164.70 to 165.70): E

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: 42.02 ng

RT: 10.34 min Scan# 766

Delta R.T. -0.02 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

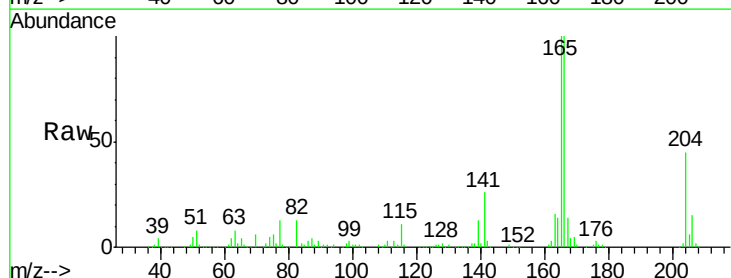
Tgt Ion:166 Resp: 493917

Ion Ratio Lower Upper

166 100

165 99.6 77.8 116.8

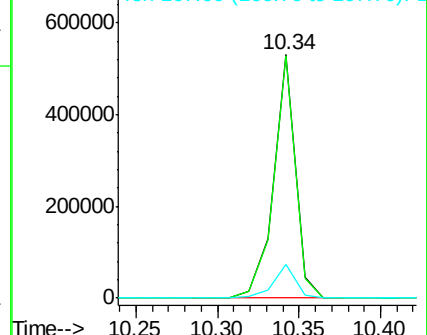
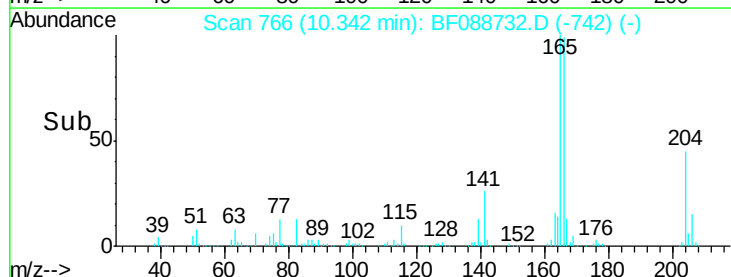
167 13.7 11.2 16.8

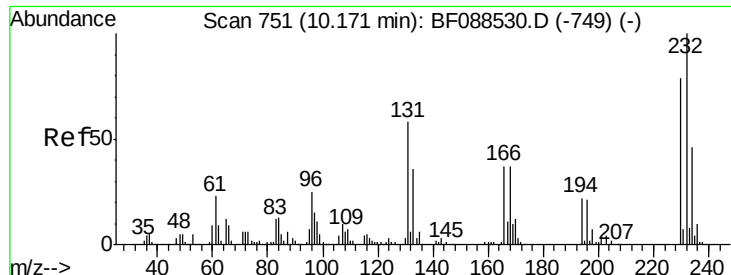


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

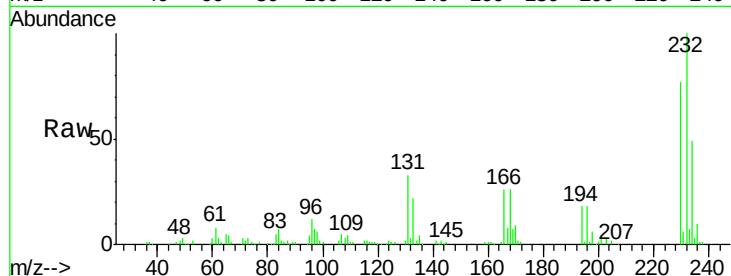




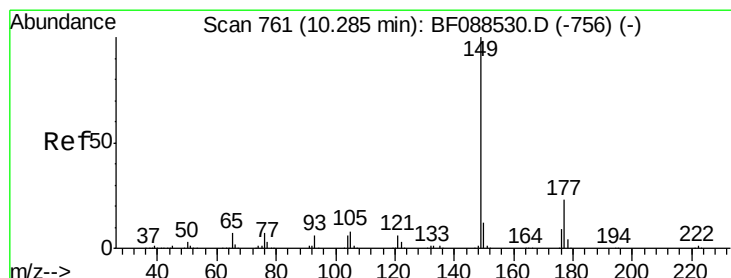
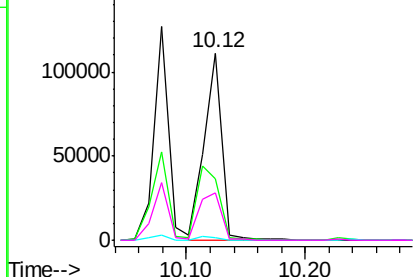
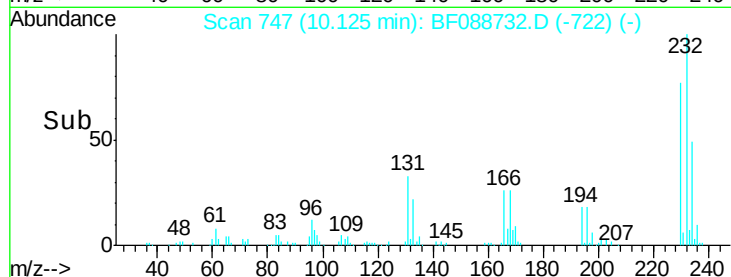
#58
2,3,4,6-Tetrachlorophenol
Concen: 43.18 ng
RT: 10.12 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

Instrument :
BNA_F
ClientSampleId :
PB91742BS

Tot Ion:232 Resp: 115863
Ion Ratio Lower Upper
232 100
131 49.8 0.9 1.3#
130 2.5 1.5 2.3#
166 32.4 0.5 0.7#

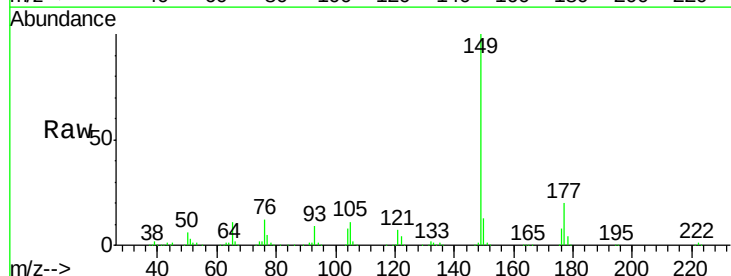


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

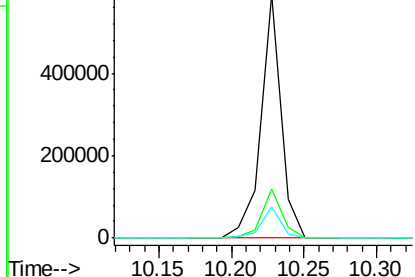
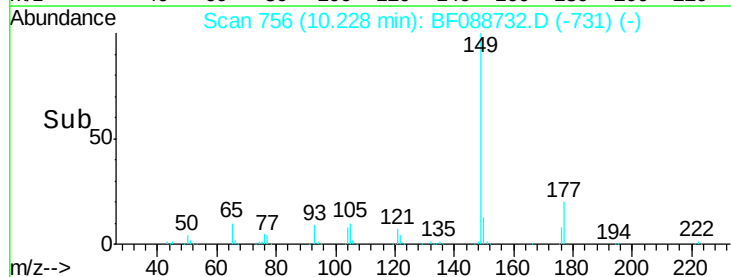


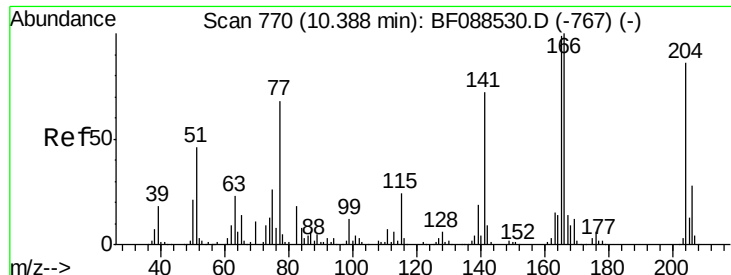
#59
Diethylphthalate
Concen: 43.24 ng
RT: 10.23 min Scan# 756
Delta R.T. -0.01 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

Tgt Ion:149 Resp: 568205
Ion Ratio Lower Upper
149 100
177 20.3 16.9 25.3
150 12.9 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

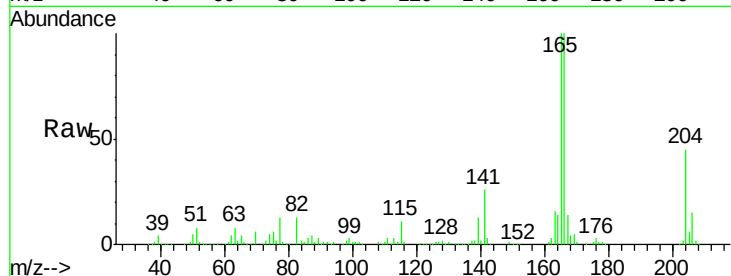




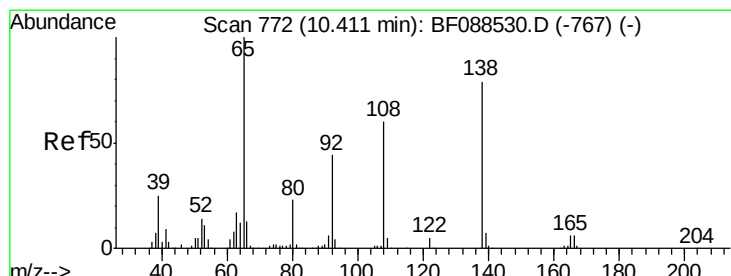
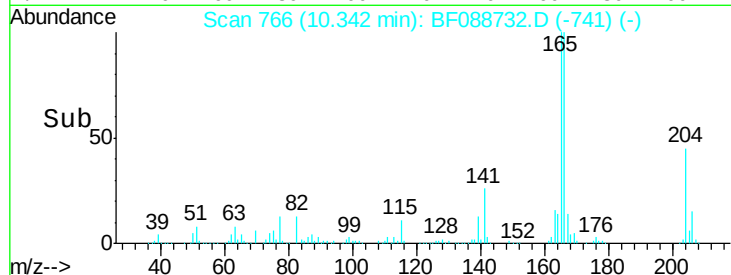
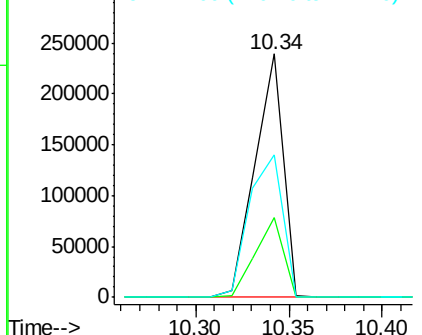
#60
 4-Chlorophenyl-phenylether
 Concen: 45.89 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.01 min
 Lab File: BF088732.D
 Acq: 6 Jul 2016 11:58

Instrument :
 BNA_F
 ClientSampleId :
 PB91742BS

Tot Ion:204 Resp: 250622
 Ion Ratio Lower Upper
 204 100
 206 33.0 26.3 39.5
 141 58.4 55.0 82.6

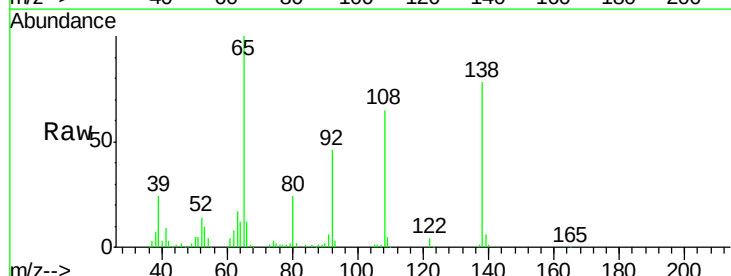


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

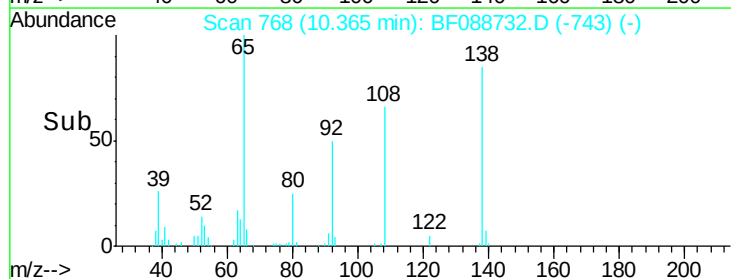
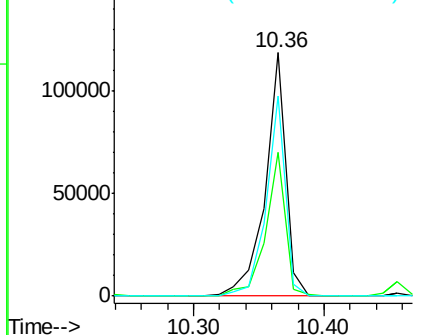


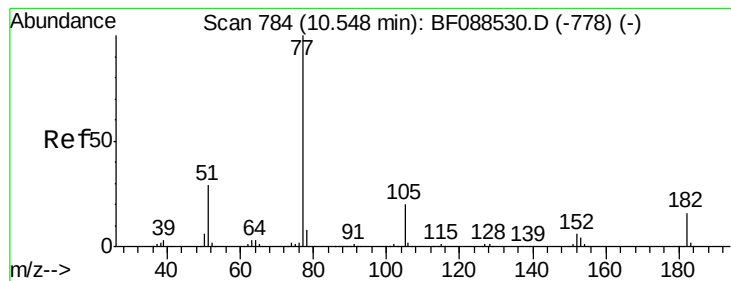
#61
 4-Nitroaniline
 Concen: 36.79 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BF088732.D
 Acq: 6 Jul 2016 11:58

Tgt Ion:138 Resp: 130624
 Ion Ratio Lower Upper
 138 100
 92 58.9 27.3 67.3
 108 82.4 46.7 86.7



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 46.63 ng

RT: 10.50 min Scan# 780

Delta R.T. -0.01 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

Instrument :

BNA_F

ClientSampleId :

PB91742BS

Tot Ion: 77 Resp: 698916

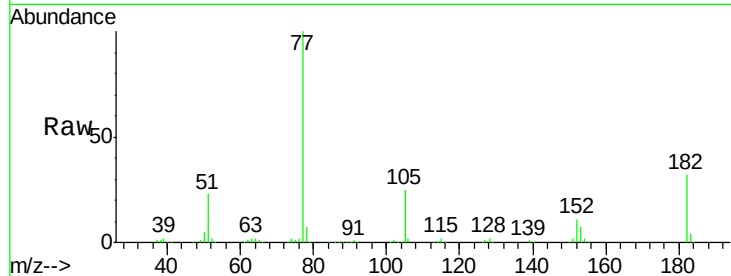
Ion Ratio Lower Upper

77 100

182 31.9 4.4 44.4

105 25.0 3.8 43.8

51 23.1 9.3 49.3

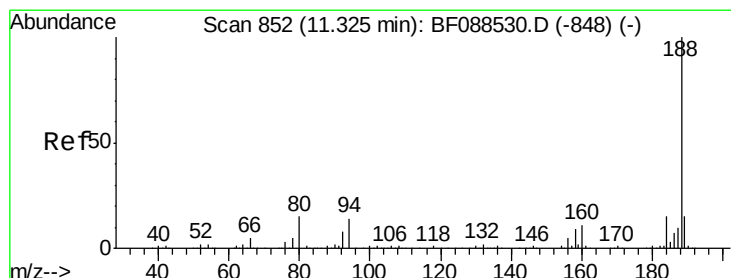
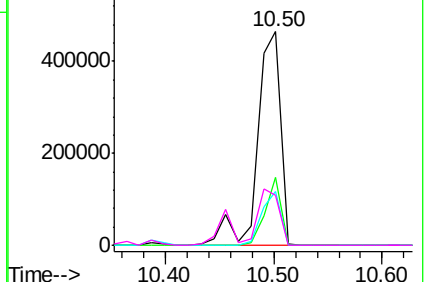
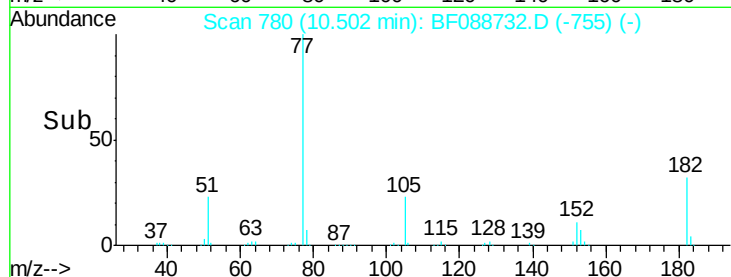


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.27 min Scan# 847

Delta R.T. -0.02 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

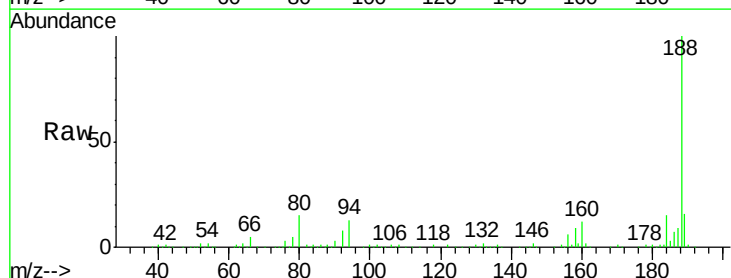
Tgt Ion: 188 Resp: 354252

Ion Ratio Lower Upper

188 100

94 12.7 9.0 13.6

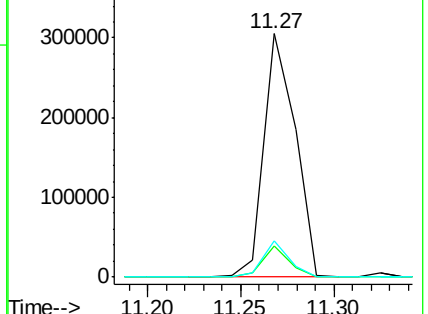
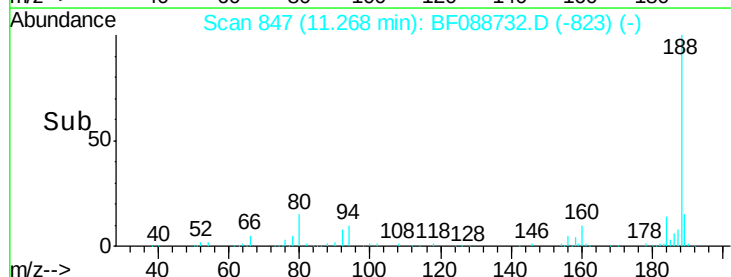
80 14.9 10.0 15.0

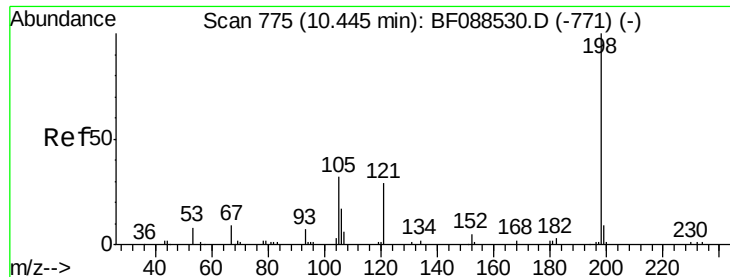


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

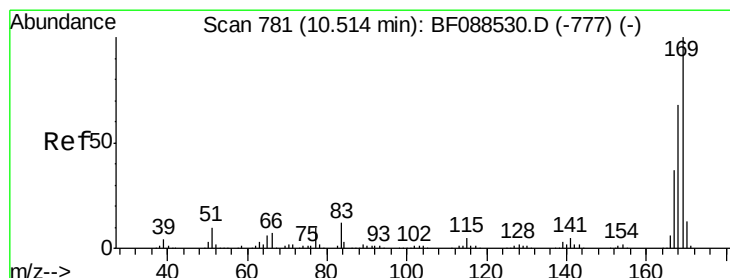
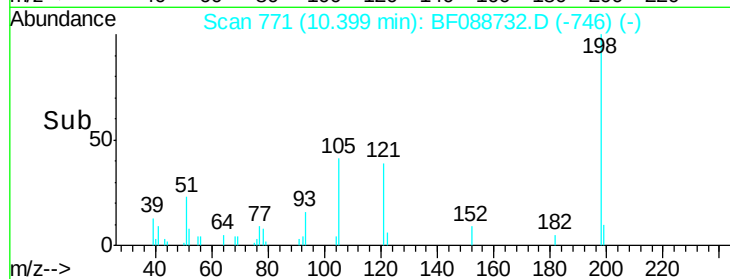
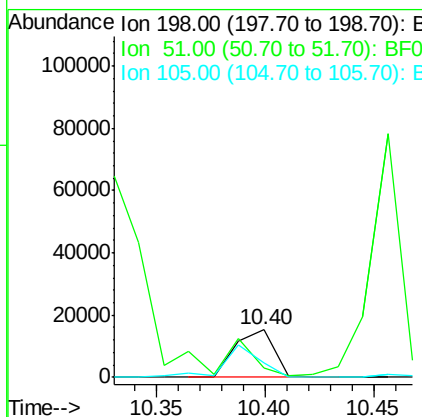
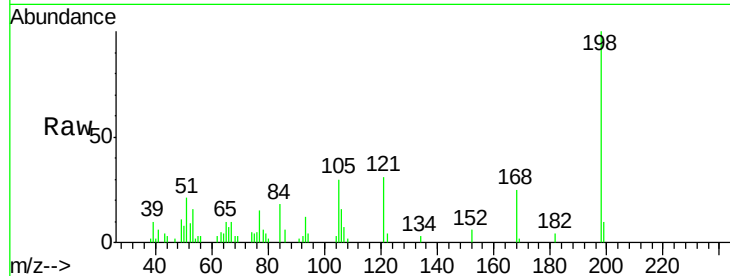




#64
4,6-Dinitro-2-methylphenol
Concen: 9.96 ng
RT: 10.40 min Scan# 771
Delta R.T. -0.01 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

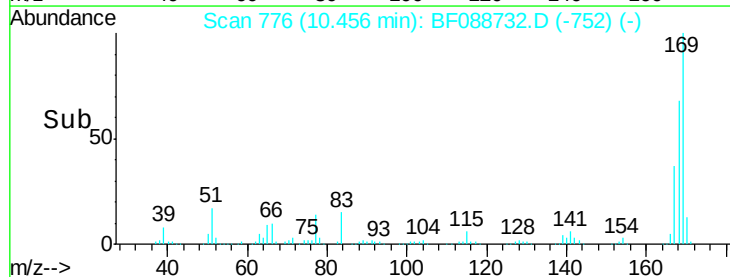
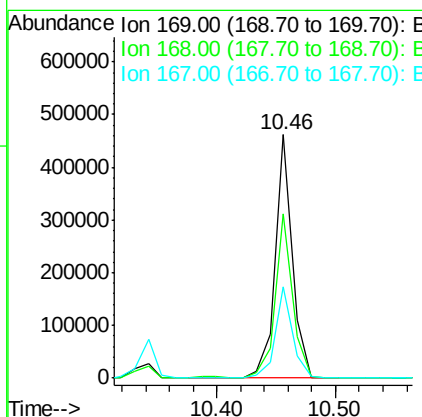
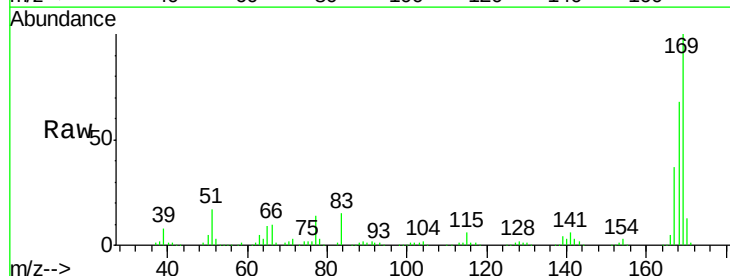
Instrument :
BNA_F
ClientSampleID :
PB91742BS

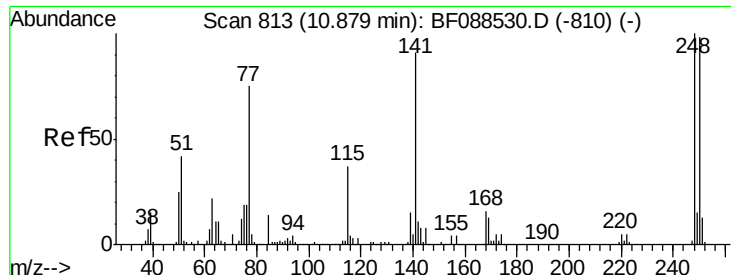
Tot Ion:198 Resp: 18866
Ion Ratio Lower Upper
198 100
51 20.7 39.6 79.6#
105 30.3 36.6 76.6#



#65
n-Nitrosodiphenylamine
Concen: 38.31 ng
RT: 10.46 min Scan# 776
Delta R.T. -0.02 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

Tgt Ion:169 Resp: 459346
Ion Ratio Lower Upper
169 100
168 67.7 53.4 80.0
167 37.4 29.4 44.0

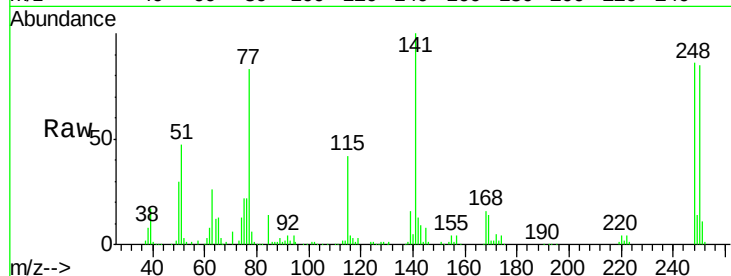




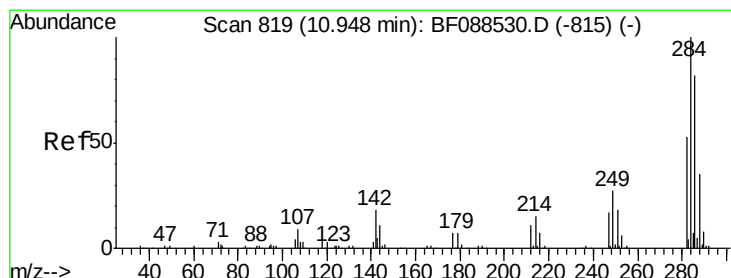
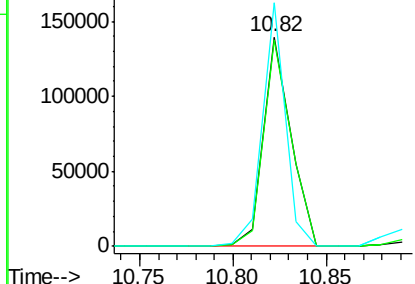
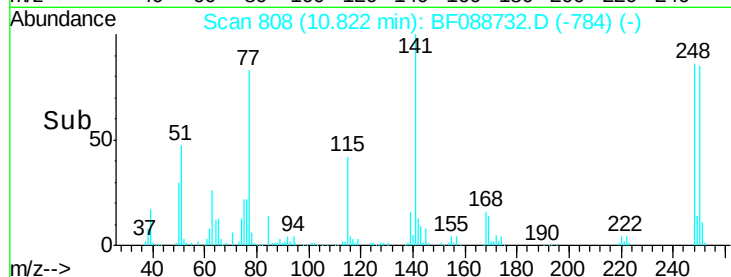
#66
4-Bromophenyl-phenylether
Concen: 39.70 ng
RT: 10.82 min Scan# 808
Delta R.T. -0.02 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

Instrument :
BNA_F
ClientSampleId :
PB91742BS

Tot Ion:248 Resp: 141725
Ion Ratio Lower Upper
248 100
250 98.8 77.1 115.7
141 116.3 50.6 76.0#

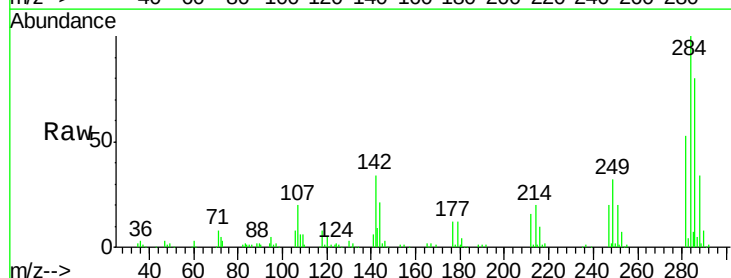


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

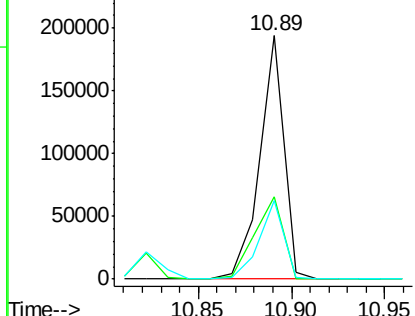
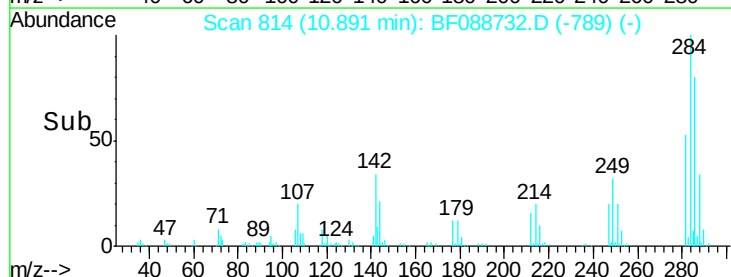


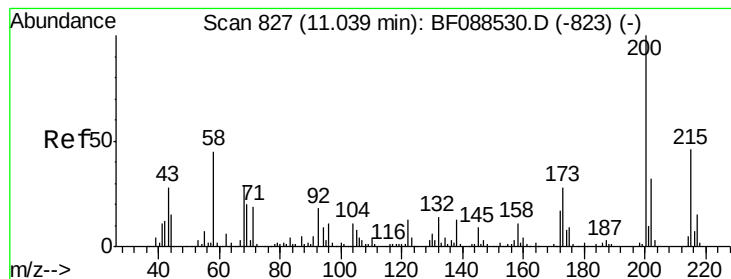
#67
Hexachlorobenzene
Concen: 43.58 ng
RT: 10.89 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

Tgt Ion:284 Resp: 172237
Ion Ratio Lower Upper
284 100
142 33.9 35.8 53.8#
249 32.4 25.8 38.6



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: 47.06 ng

RT: 10.99 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

Instrument :

BNA_F

ClientSampleId :

PB91742BS

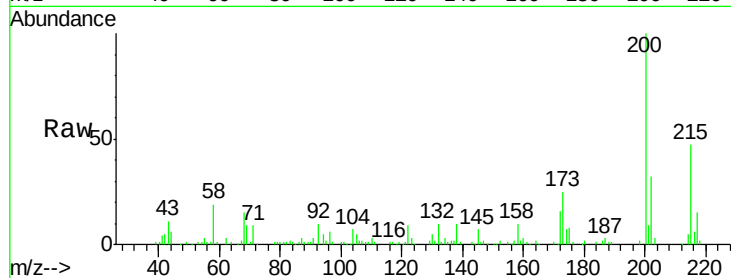
Tot Ion:200 Resp: 175833

Ion Ratio Lower Upper

200 100

173 25.2 4.0 44.0

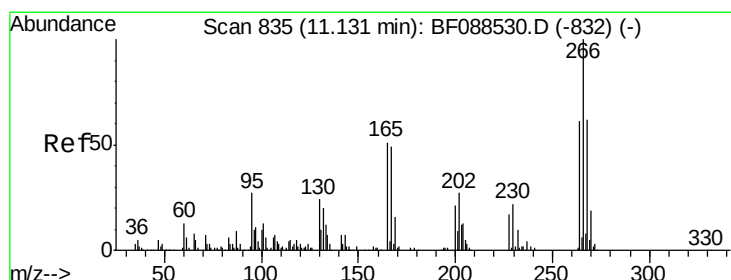
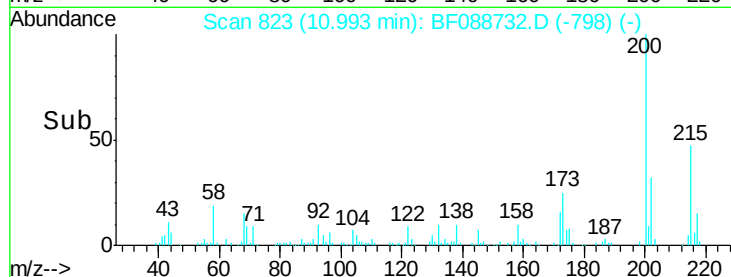
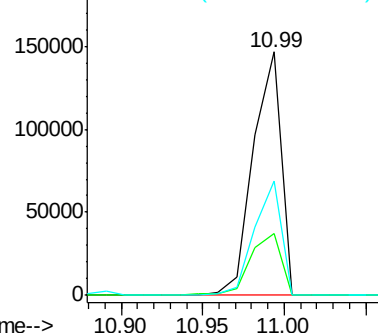
215 47.0 29.3 69.3



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: 33.87 ng

RT: 11.08 min Scan# 831

Delta R.T. -0.01 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

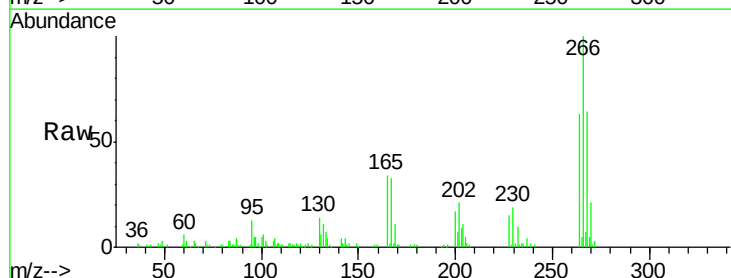
Tgt Ion:266 Resp: 79214

Ion Ratio Lower Upper

266 100

268 63.9 52.8 79.2

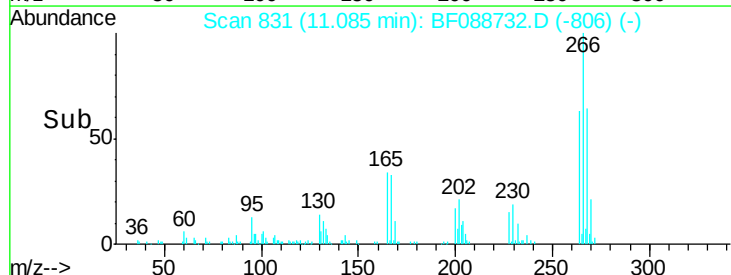
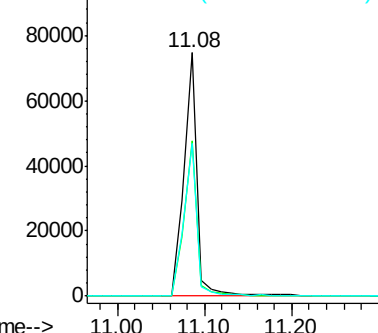
264 62.9 49.6 74.4

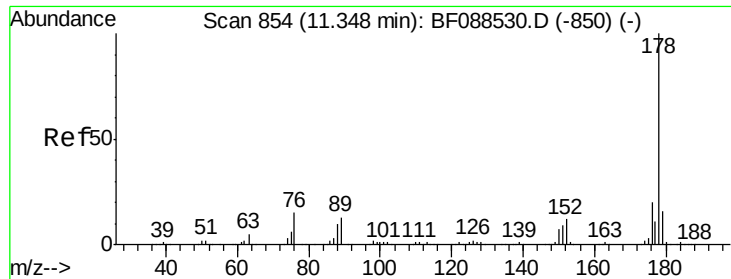


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

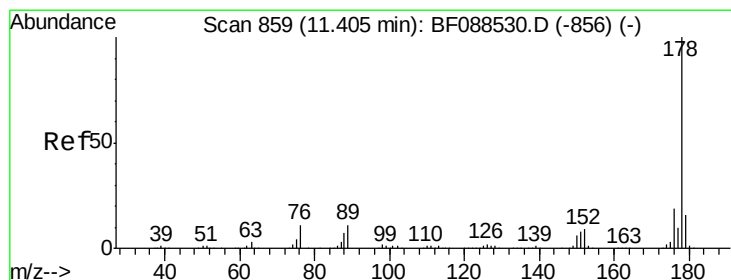
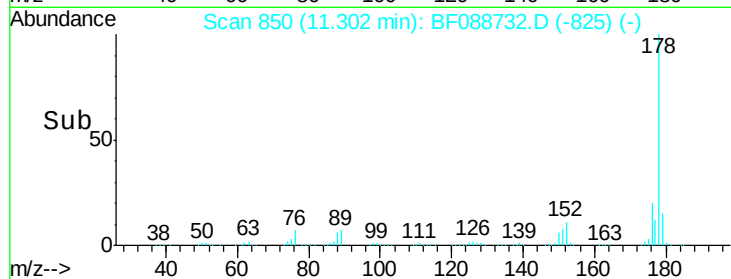
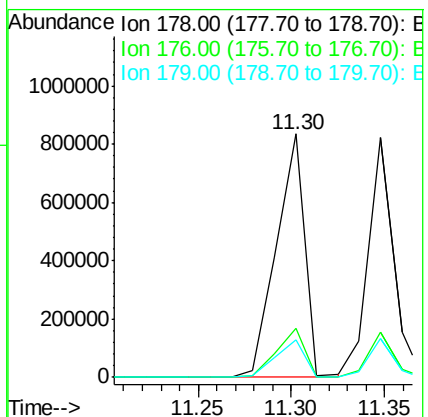
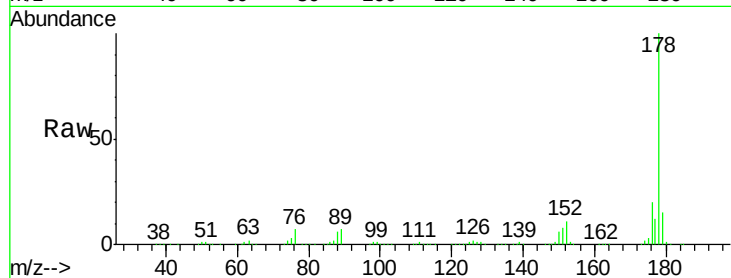




#70
Phenanthrene
Concen: 45.52 ng
RT: 11.30 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

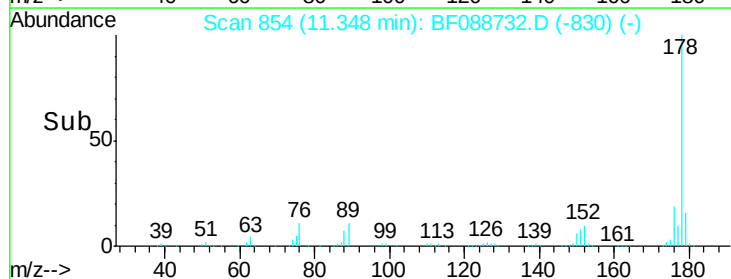
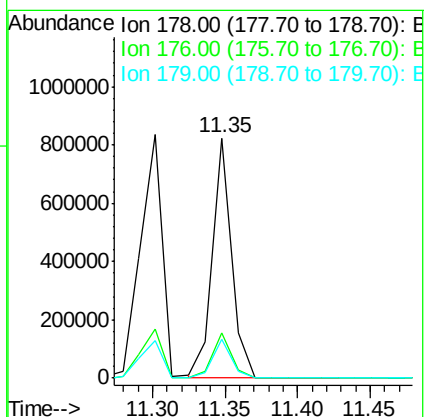
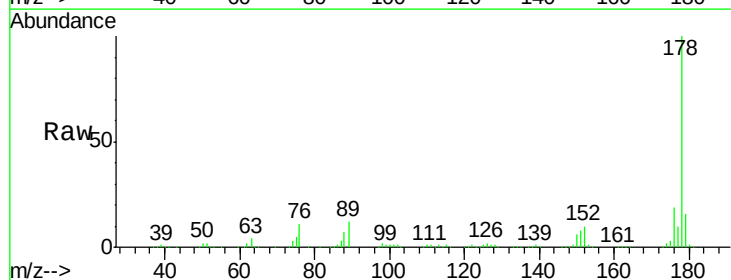
Instrument :
BNA_F
ClientSampleId :
PB91742BS

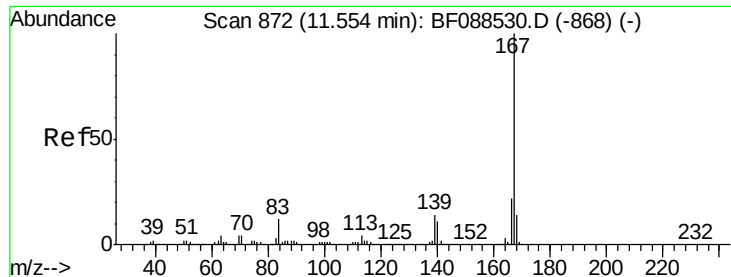
Tot Ion:178 Resp: 881449
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.6
179 15.3 13.0 19.4



#71
Anthracene
Concen: 39.42 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.02 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

Tgt Ion:178 Resp: 759052
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 16.0 12.8 19.2

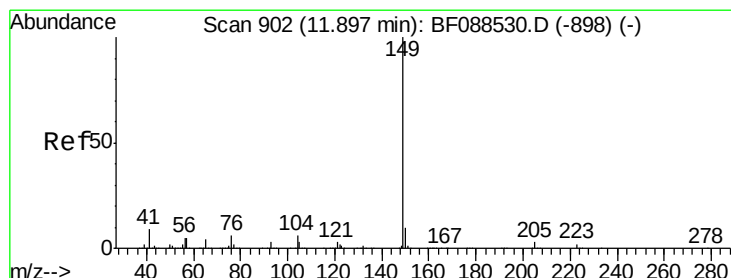
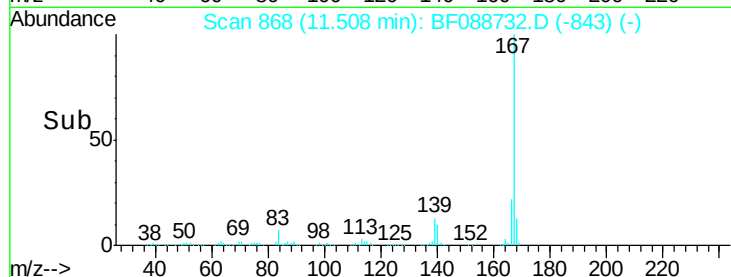
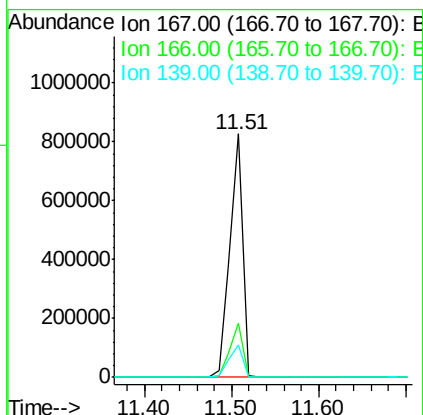
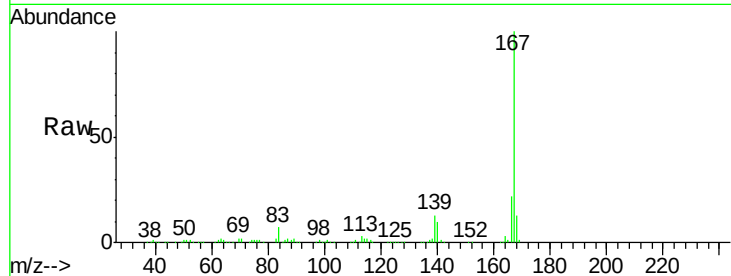




#72
 Carbazole
 Concen: 46.42 ng
 RT: 11.51 min Scan# 868
 Delta R.T. -0.01 min
 Lab File: BF088732.D
 Acq: 6 Jul 2016 11:58

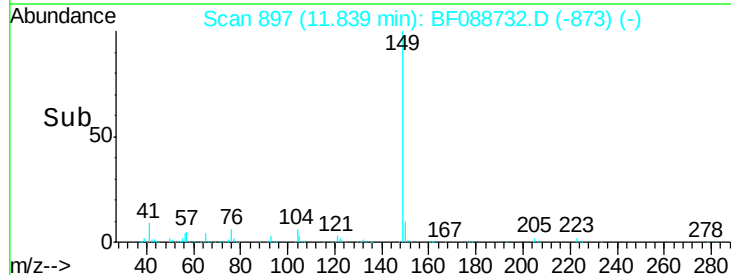
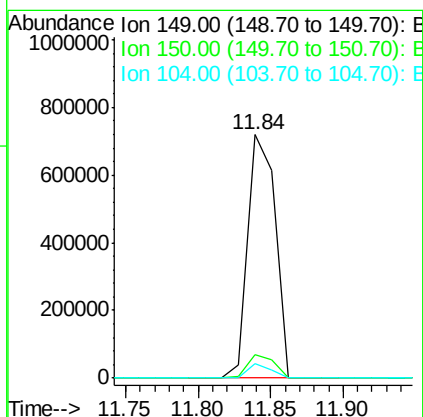
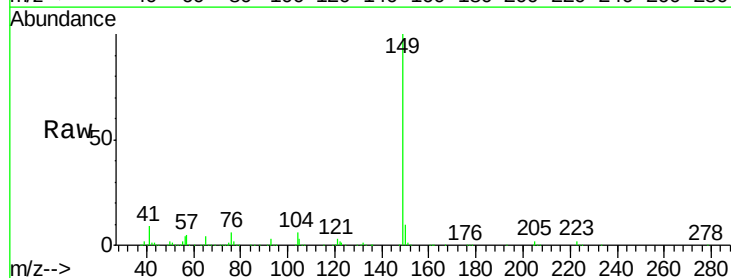
Instrument :
 BNA_F
 ClientSampleId :
 PB91742BS

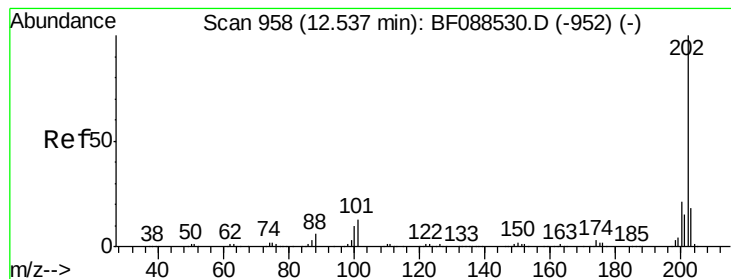
Tot Ion:167 Resp: 841325
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.8 26.6
 139 13.4 11.2 16.8



#73
 Di-n-butylphthalate
 Concen: 44.66 ng
 RT: 11.84 min Scan# 897
 Delta R.T. -0.02 min
 Lab File: BF088732.D
 Acq: 6 Jul 2016 11:58

Tgt Ion:149 Resp: 941552
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.8 11.6
 104 6.1 4.0 6.0#

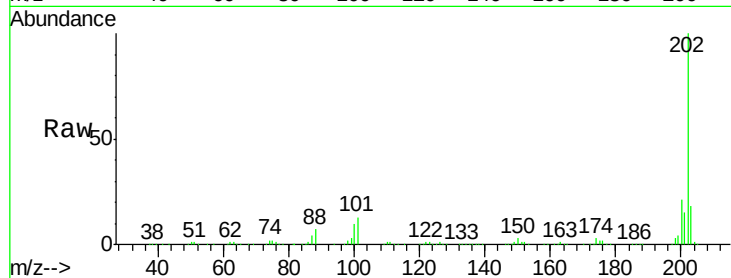




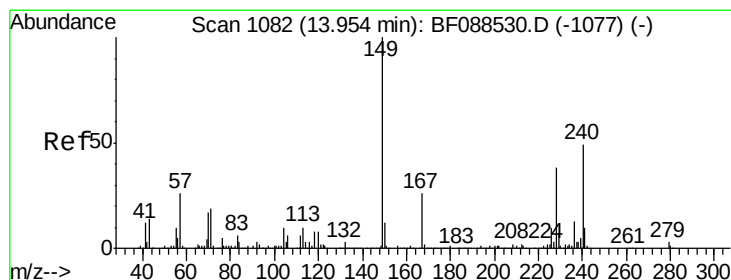
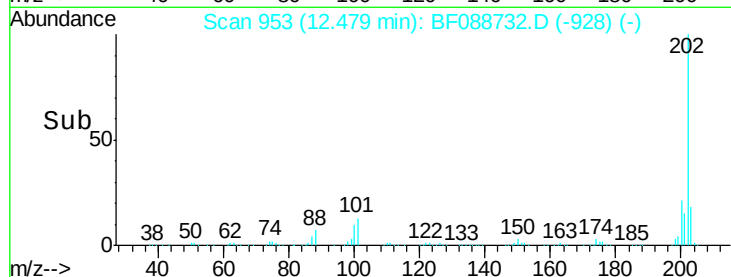
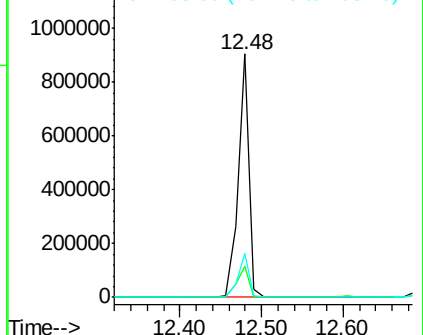
#74
 Fluoranthene
 Concen: 42.43 ng
 RT: 12.48 min Scan# 953
 Delta R.T. -0.01 min
 Lab File: BF088732.D
 Acq: 6 Jul 2016 11:58

Instrument :
 BNA_F
 ClientSampleId :
 PB91742BS

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.1
203	18.0	0.0	38.1

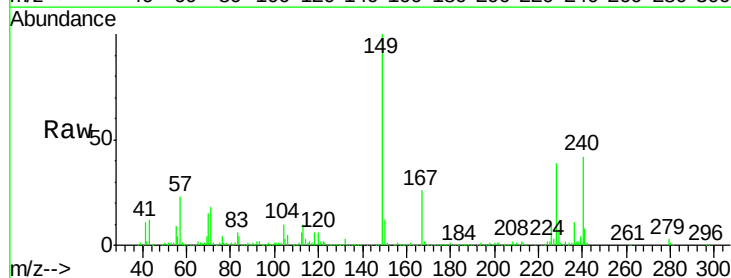


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

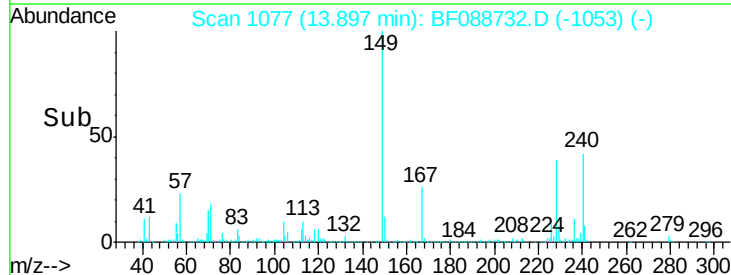
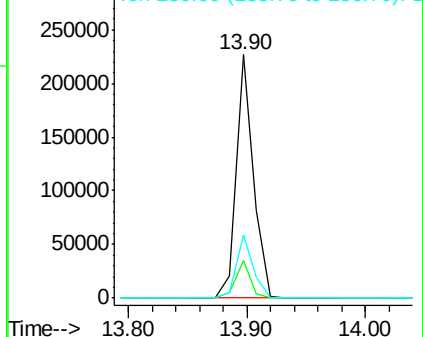


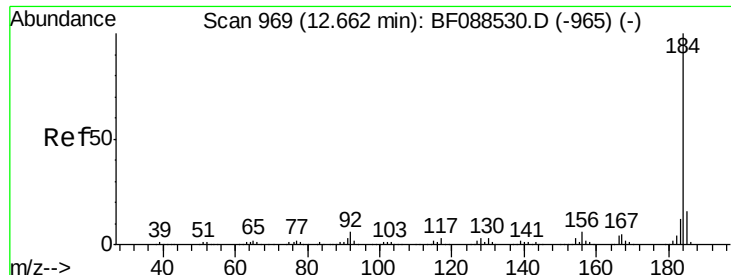
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.90 min Scan# 1077
 Delta R.T. -0.02 min
 Lab File: BF088732.D
 Acq: 6 Jul 2016 11:58

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.4	6.8	10.2#
236	25.9	20.2	30.2



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

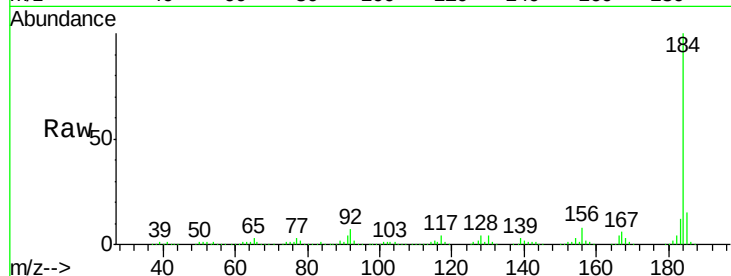




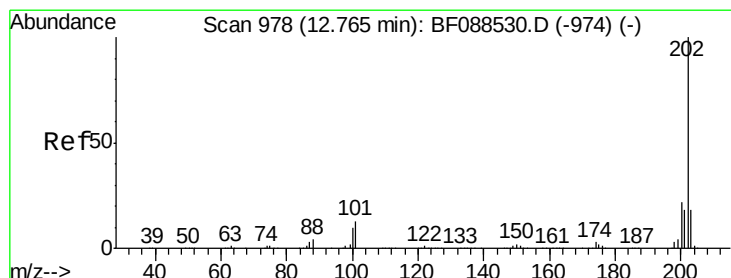
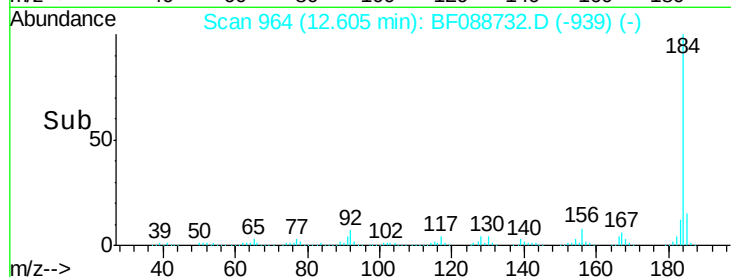
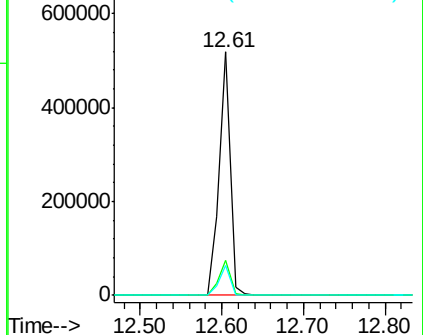
#76
Benzidine
Concen: 42.41 ng
RT: 12.61 min Scan# 964
Delta R.T. -0.01 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

Instrument :
BNA_F
ClientSampleId :
PB91742BS

Tot Ion:184 Resp: 489149
Ion Ratio Lower Upper
184 100
185 14.5 12.5 18.7
183 12.1 9.3 13.9

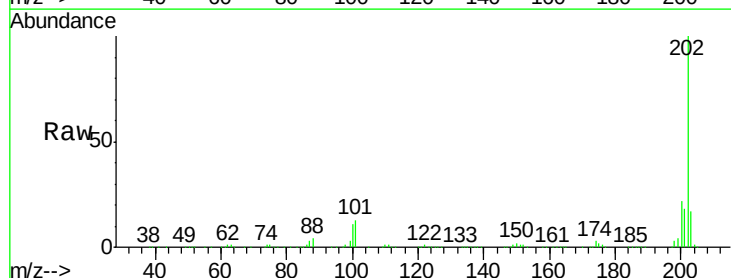


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

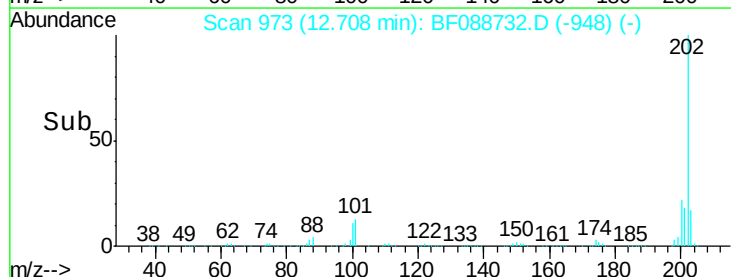
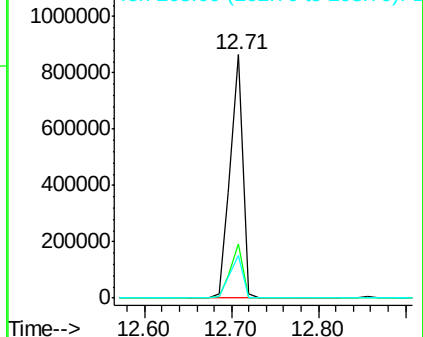


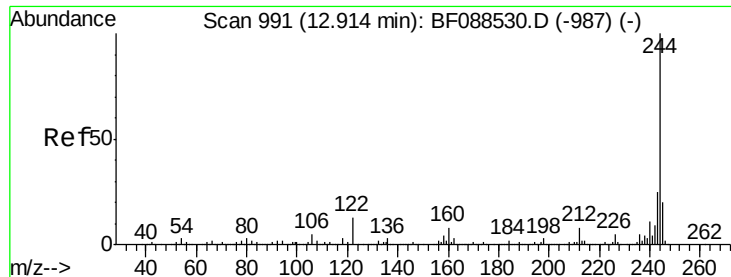
#77
Pyrene
Concen: 45.21 ng
RT: 12.71 min Scan# 973
Delta R.T. -0.01 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

Tgt Ion:202 Resp: 874684
Ion Ratio Lower Upper
202 100
200 22.1 17.4 26.2
203 17.4 14.5 21.7



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: 90.17 ng

RT: 12.86 min Scan# 986

Delta R.T. -0.01 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

Instrument :

BNA_F

ClientSampleId :

PB91742BS

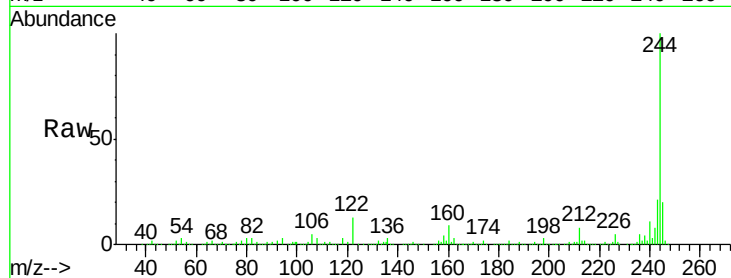
Tot Ion:244 Resp: 923668

Ion Ratio Lower Upper

244 100

212 7.9 6.0 9.0

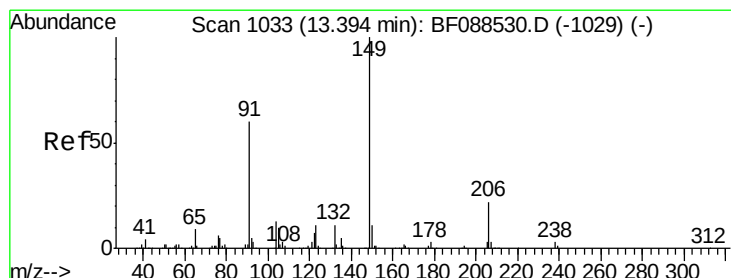
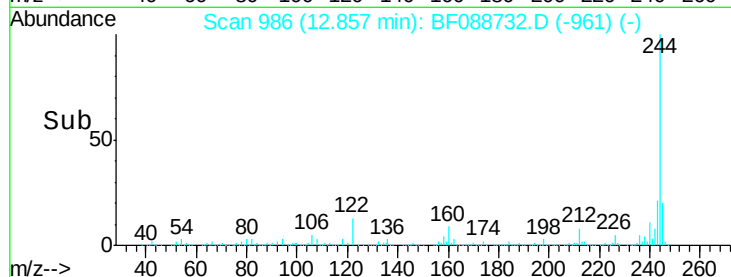
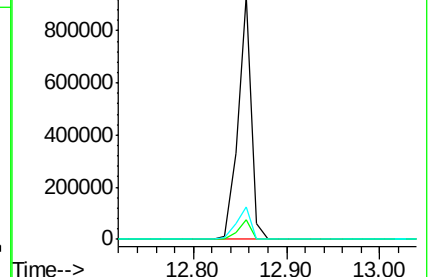
122 13.2 11.2 16.8



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: 46.66 ng

RT: 13.34 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

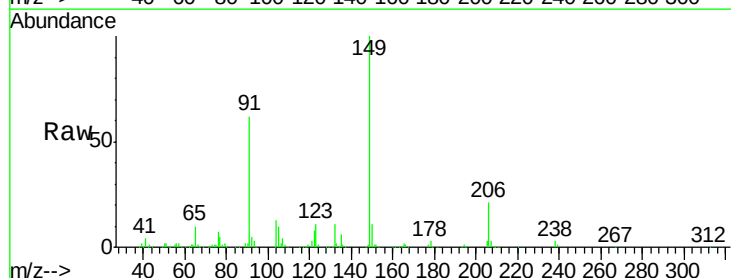
Tgt Ion:149 Resp: 402672

Ion Ratio Lower Upper

149 100

91 61.9 48.0 72.0

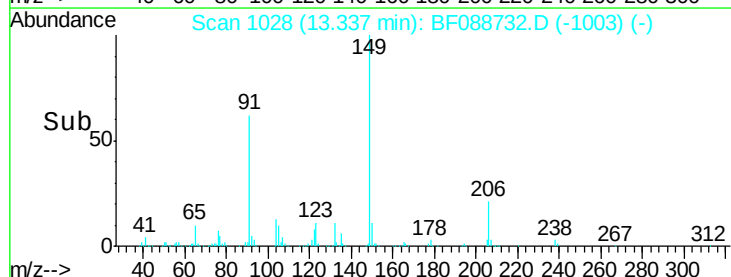
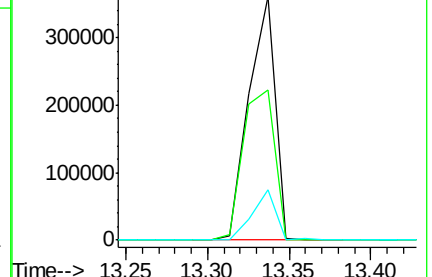
206 20.9 16.0 24.0

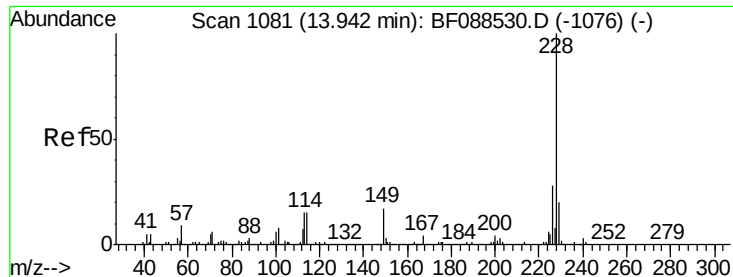


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 43.66 ng

RT: 13.89 min Scan# 1076

Delta R.T. -0.02 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

Instrument :

BNA_F

ClientSampleId :

PB91742BS

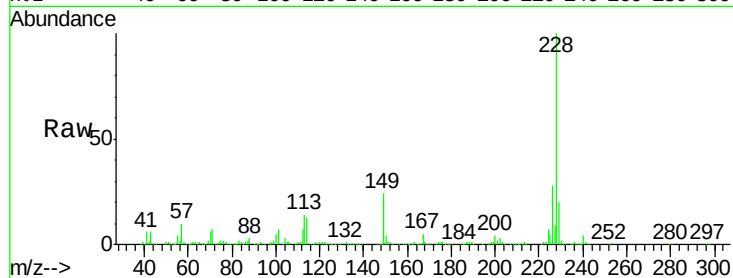
Tot Ion:228 Resp: 641452

Ion Ratio Lower Upper

228 100

226 27.8 22.3 33.5

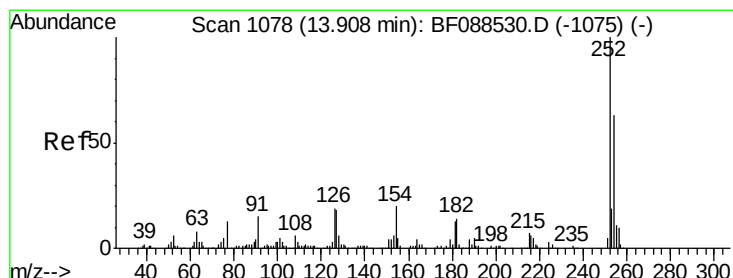
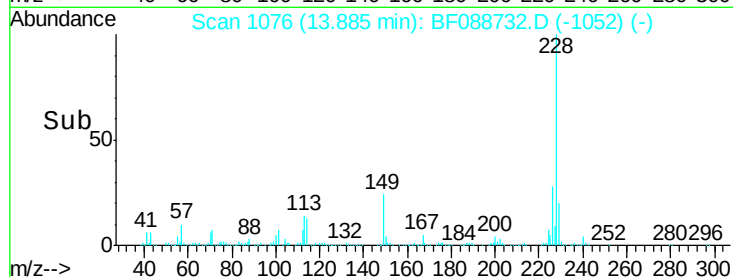
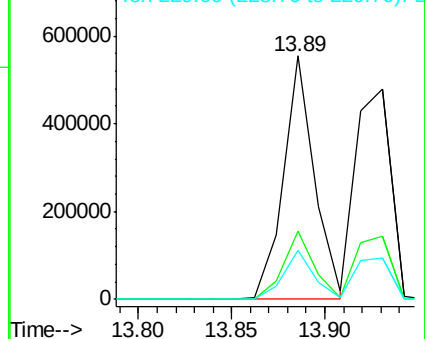
229 20.0 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 16.85 ng

RT: 13.85 min Scan# 1073

Delta R.T. -0.02 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

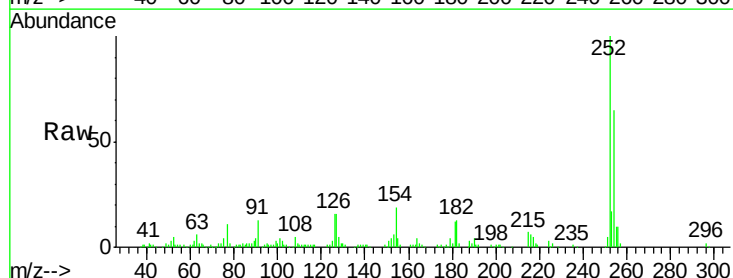
Tgt Ion:252 Resp: 93053

Ion Ratio Lower Upper

252 100

254 64.9 52.6 78.8

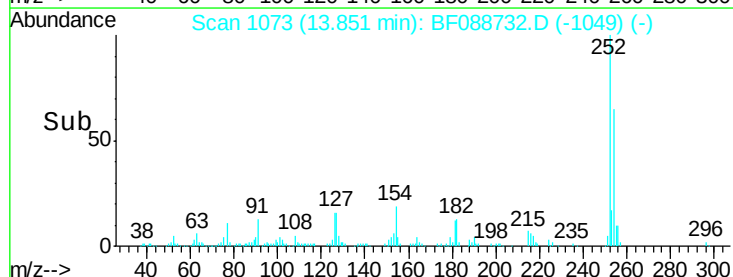
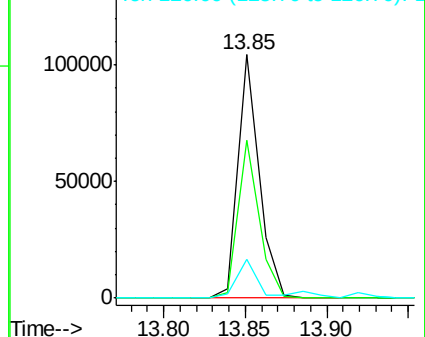
126 16.1 6.2 9.2#

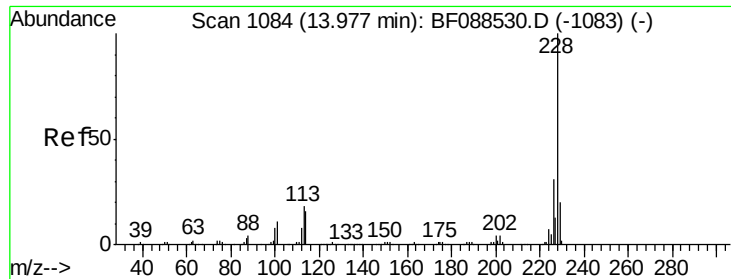


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 43.81 ng

RT: 13.93 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

Instrument :

BNA_F

ClientSampleId :

PB91742BS

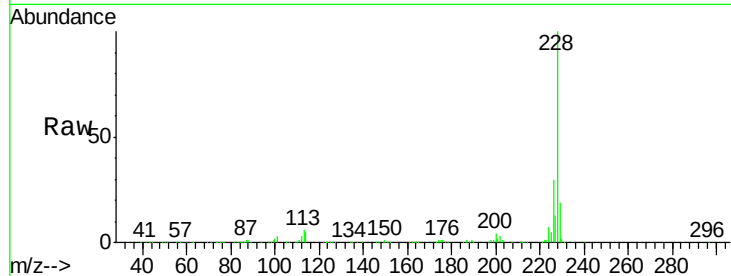
Tot Ion:228 Resp: 636827

Ion Ratio Lower Upper

228 100

226 30.2 25.4 38.2

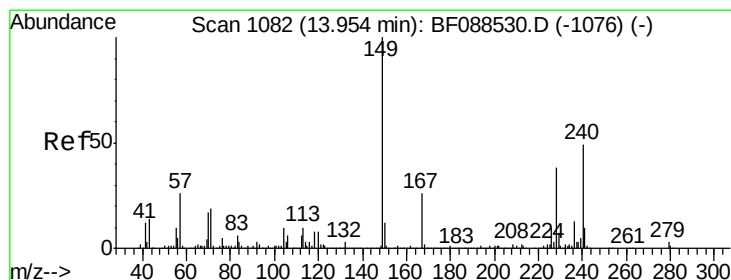
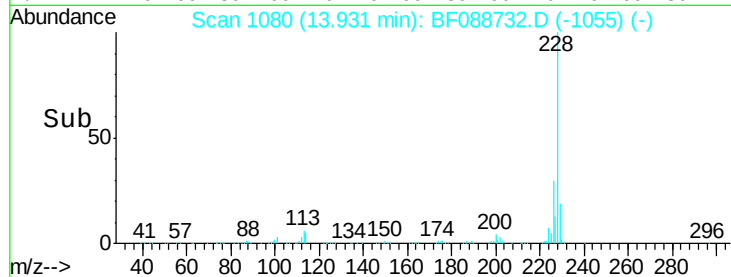
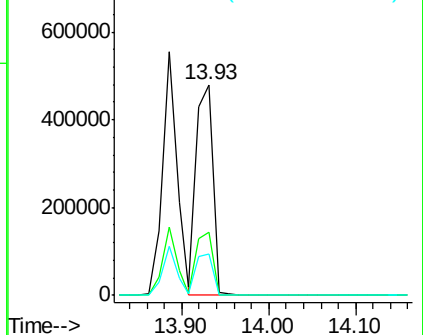
229 19.5 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 48.94 ng

RT: 13.90 min Scan# 1077

Delta R.T. -0.01 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

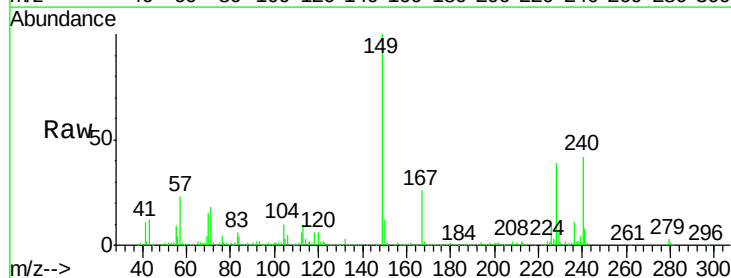
Tgt Ion:149 Resp: 482138

Ion Ratio Lower Upper

149 100

167 25.7 20.5 30.7

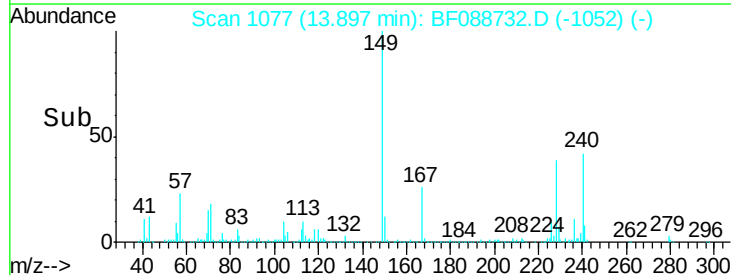
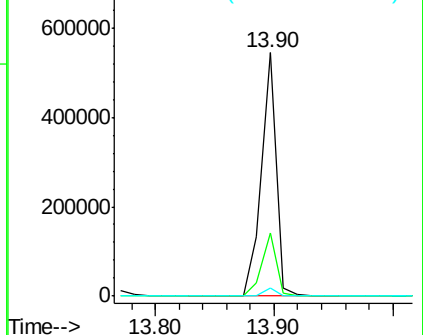
279 3.3 2.0 3.0#

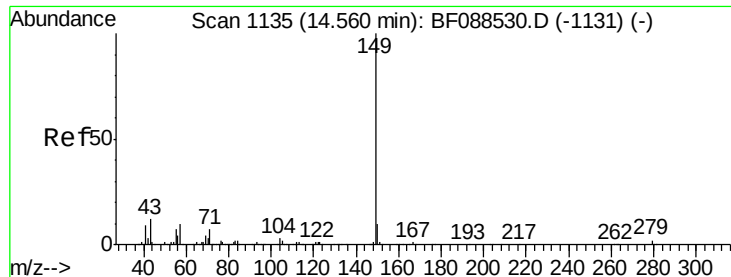


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 43.03 ng

RT: 14.50 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

Instrument :

BNA_F

ClientSampleId :

PB91742BS

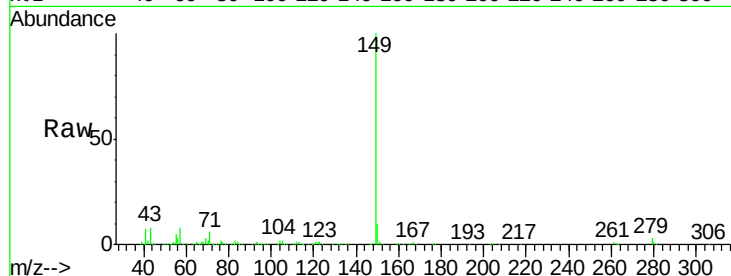
Tot Ion:149 Resp: 720208

Ion Ratio Lower Upper

149 100

167 1.5 0.0 0.0#

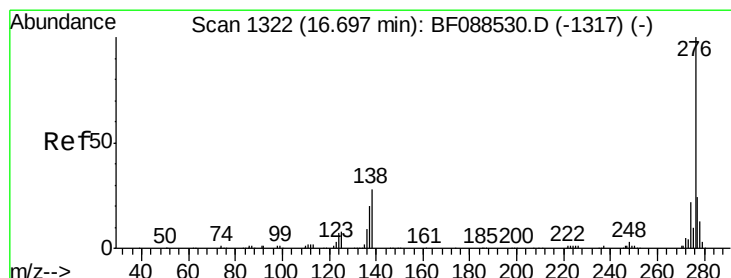
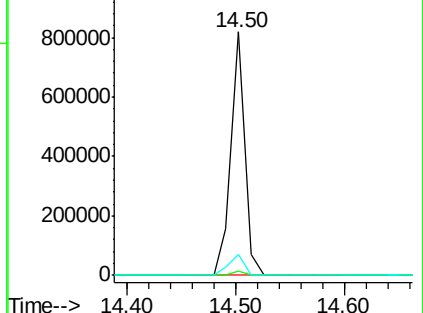
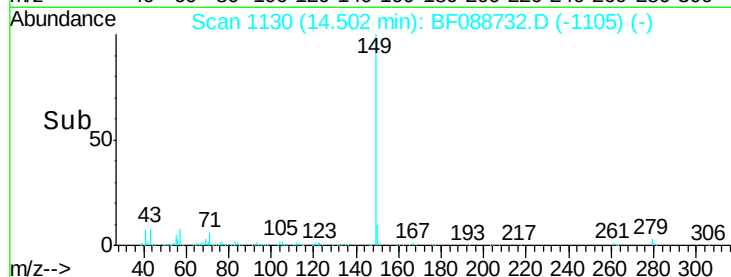
43 9.3 0.0 0.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 45.21 ng

RT: 16.61 min Scan# 1314

Delta R.T. -0.03 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

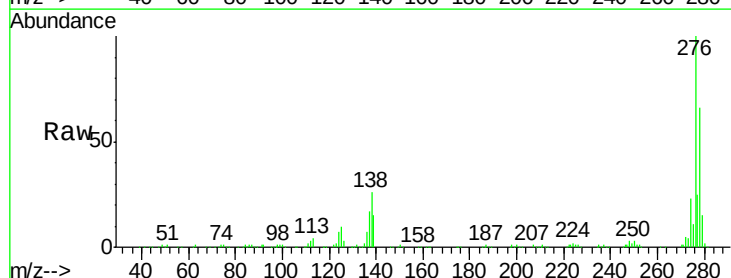
Tgt Ion:276 Resp: 505594

Ion Ratio Lower Upper

276 100

138 28.1 0.0 0.0#

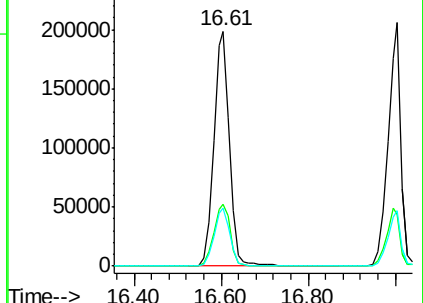
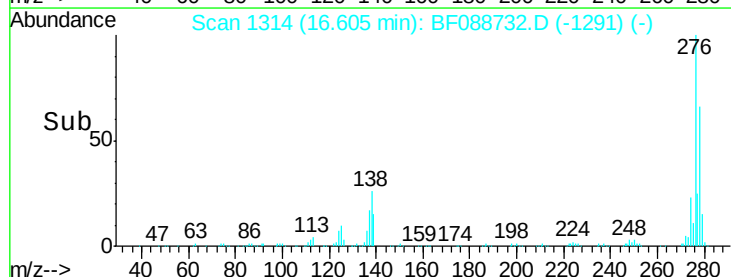
277 25.2 0.0 0.0#

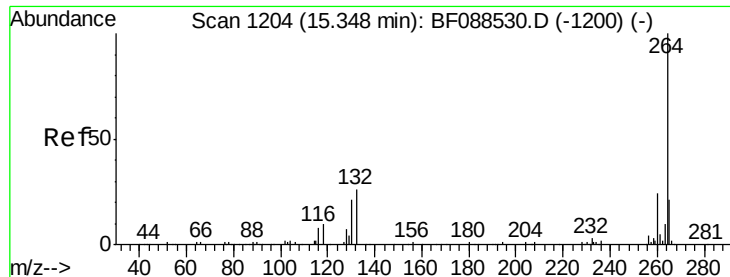


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

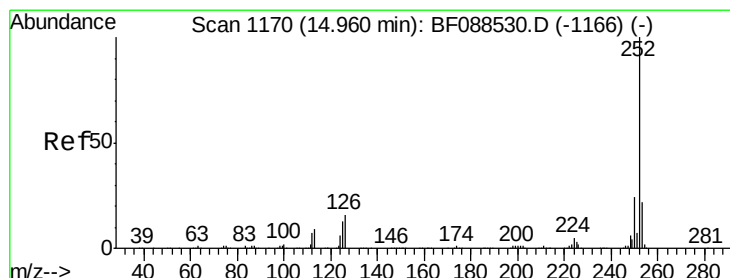
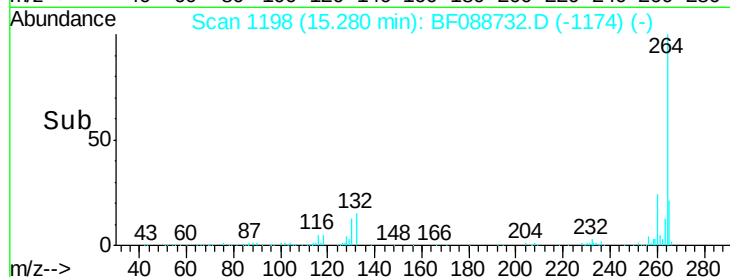
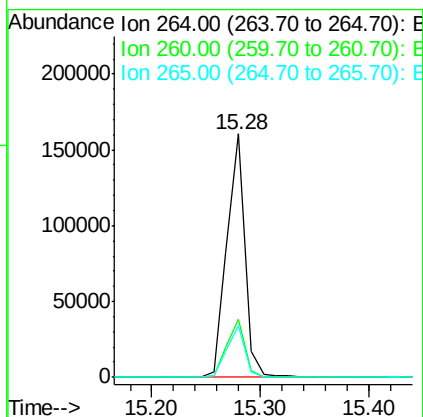
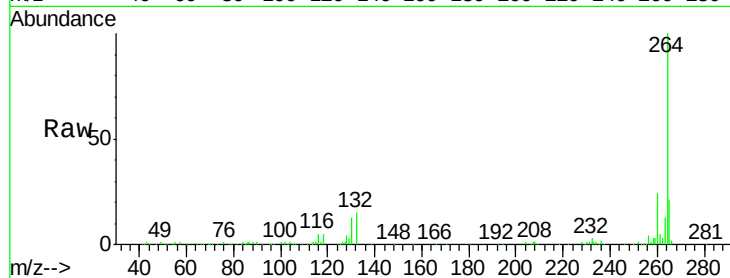




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 1198
Delta R.T. -0.02 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

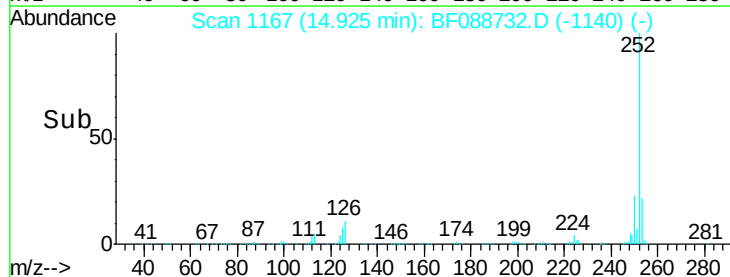
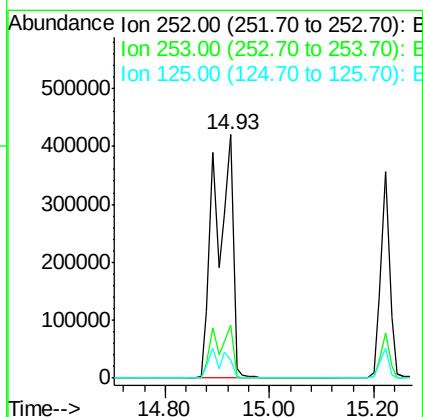
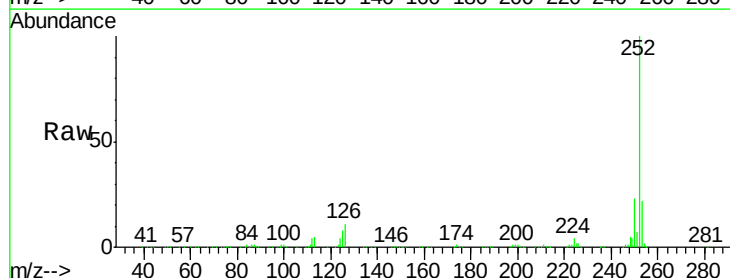
Instrument :
BNA_F
ClientSampleId :
PB91742BS

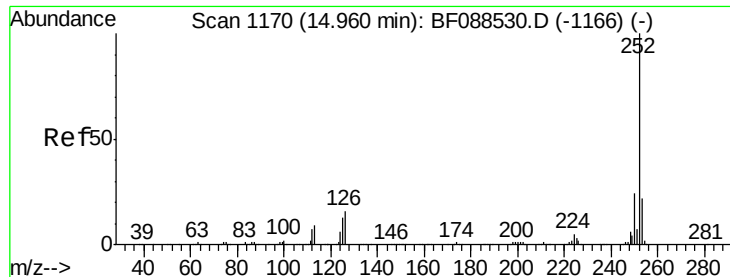
Tot Ion:264 Resp: 183749
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.1 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 85.39 ng
RT: 14.93 min Scan# 1167
Delta R.T. 0.01 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

Tgt Ion:252 Resp: 984236
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.2
125 7.7 7.1 10.7





#88

Benzo(k)fluoranthene

Concen: 98.08 ng

RT: 14.93 min Scan# 1167

Delta R.T. -0.02 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

Instrument :

BNA_F

ClientSampled :

PB91742BS

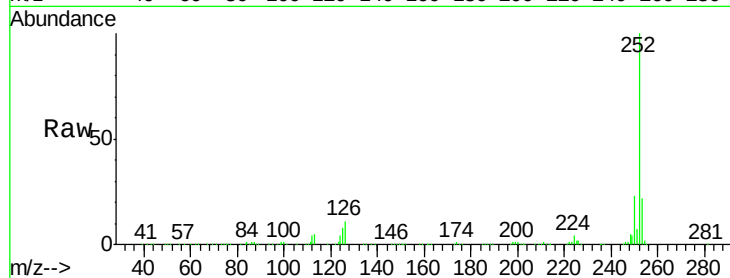
Tot Ion:252 Resp: 984236

Ion Ratio Lower Upper

252 100

253 21.8 18.0 27.0

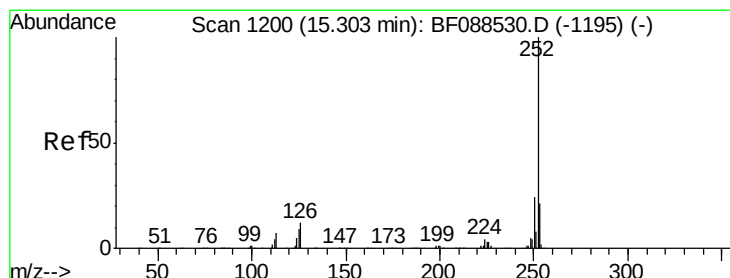
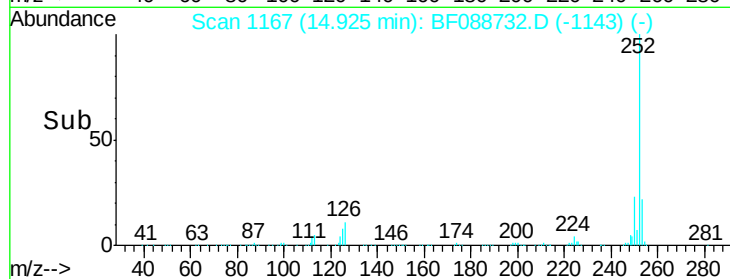
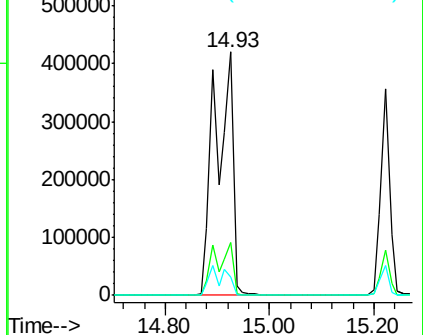
125 7.7 11.2 16.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 44.34 ng

RT: 15.22 min Scan# 1193

Delta R.T. -0.02 min

Lab File: BF088732.D

Acq: 6 Jul 2016 11:58

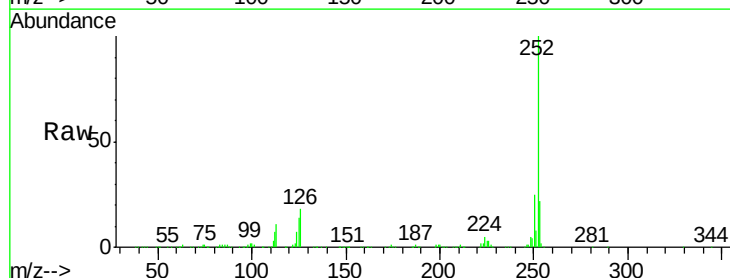
Tgt Ion:252 Resp: 432702

Ion Ratio Lower Upper

252 100

253 22.0 17.9 26.9

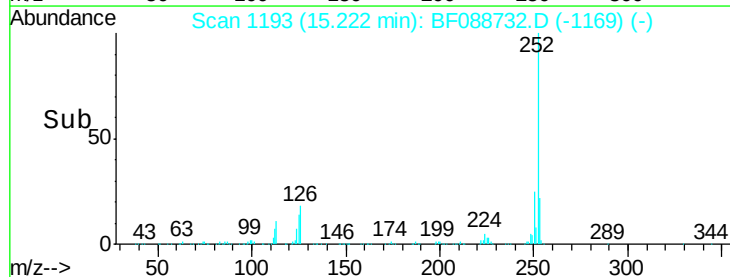
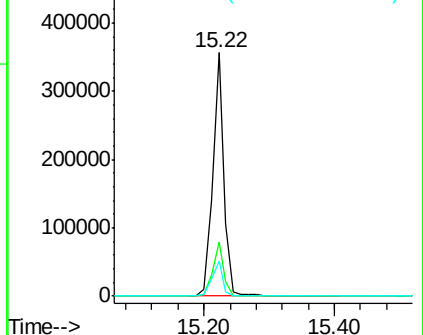
125 14.3 12.5 18.7

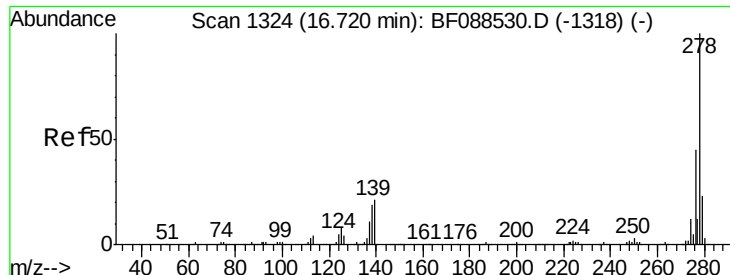


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



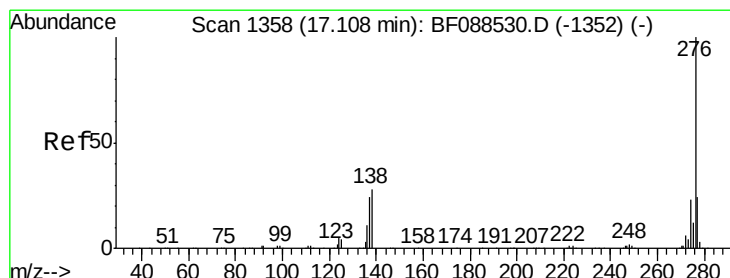
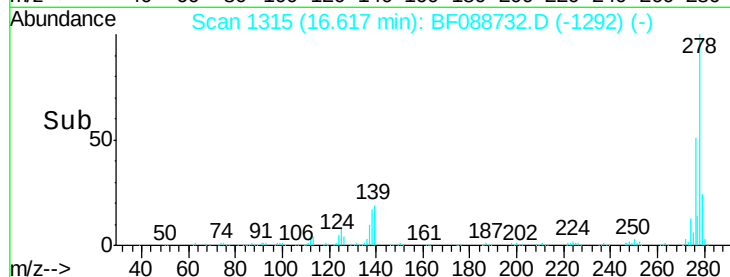
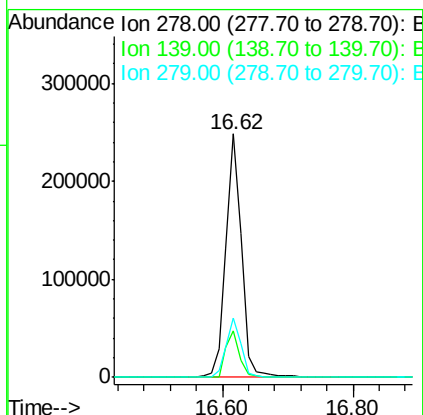
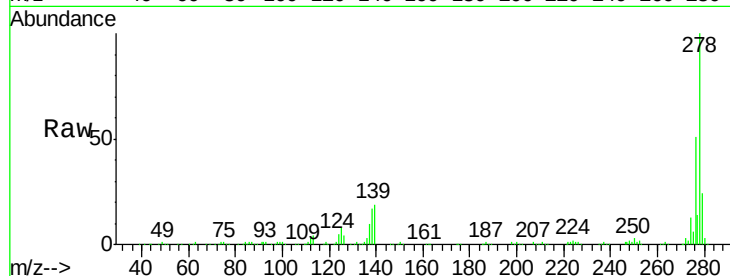


#90
Dibenzo(a,h)anthracene
Concen: 50.87 ng
RT: 16.62 min Scan# 1315
Delta R.T. -0.03 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

Instrument :
BNA_F
ClientSampleId :
PB91742BS

Tot Ion:278 Resp: 414598

Ion	Ratio	Lower	Upper
278	100		
139	19.0	15.7	23.5
279	24.3	19.4	29.2



#91
Benzo(g,h,i)perylene
Concen: 51.76 ng
RT: 17.01 min Scan# 1349
Delta R.T. -0.03 min
Lab File: BF088732.D
Acq: 6 Jul 2016 11:58

Tgt Ion:276 Resp: 436502

Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.9	28.3
138	21.2	21.4	32.2

