

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
 Data File : BF104756.D
 Acq On : 24 Apr 2018 15:13
 Operator : JU/SJ
 Sample : J2501-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 21:55:20 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	95560	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	354322	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	17166	20.00	ng	0.01
63) Phenanthrene-d10	11.41	188	9713	20.00	ng	0.08
75) Chrysene-d12	14.07	240	4822	20.00	ng	0.09
86) Perylene-d12	15.64	264	108892	20.00	ng	0.19

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	403046	64.49	ng	0.00
7) Phenol-d6	6.45	99	300147	39.09	ng	0.00
23) Nitrobenzene-d5	7.37	82	568640	104.79	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	48043	269.80	ng	0.06
44) 2-Fluorobiphenyl	9.17	172	621141	571.62	ng	0.00
78) Terphenyl-d14	12.99	244	46399	219.37	ng	0.06

Target Compounds

						Qvalue
19) n-Nitroso-di-n-propylamine	7.33	70	15584	3.106	ng	# 45
22) Acetophenone	7.22	105	18746	2.149	ng	# 93
25) Isophorone	7.37	82	568423	49.538	ng	# 64
35) Caprolactam	8.52	113	6242	3.703	ng	# 1
37) 2-Methylnaphthalene	8.80	142	31762	2.783	ng	# 95
45) 1,1'-Biphenyl	9.36	154	4589	3.182	ng	# 74
47) 2-Nitroaniline	9.35	65	32174	114.219	ng	# 62
48) Acenaphthylene	9.72	152	11507	6.439	ng	# 1
49) Dimethylphthalate	9.49	163	56621	41.828	ng	# 5
50) 2,6-Dinitrotoluene	9.51	165	43682	174.392	ng	# 40
51) Acenaphthene	9.89	154	2291	2.101	ng	# 1
52) 3-Nitroaniline	9.80	138	7410	25.269	ng	# 24
53) 2,4-Dinitrophenol	9.95	184	665	14.233	ng	# 1
55) 4-Nitrophenol	9.97	139	3435	14.912	ng	# 1
56) 2,4-Dinitrotoluene	10.07	165	1132	3.445	ng	# 58
57) Fluorene	10.43	166	10659	9.637	ng	# 1
58) 2,3,4,6-Tetrachlorophenol	10.12	232	630	2.212	ng	# 1
59) Diethylphthalate	10.31	149	3071	2.278	ng	# 14
60) 4-Chlorophenyl-phenylether	10.45	204	2388	4.848	ng	# 1
61) 4-Nitroaniline	10.35	138	25321	88.312	ng	# 93
64) 4,6-Dinitro-2-methylphenol	10.45	198	4329	84.853	ng	# 1
65) n-Nitrosodiphenylamine	10.67	169	125743	373.374	ng	# 60
66) 4-Bromophenyl-phenylether	10.91	248	585	5.662	ng	# 1
68) Atrazine	11.07	200	4125	40.579	ng	# 1
69) Pentachlorophenol	11.22	266	326	4.533	ng	# 1
70) Phenanthrene	11.42	178	6062	11.207	ng	# 1
71) Anthracene	11.50	178	12219	22.223	ng	# 1
72) Carbazole	11.74	167	5713	10.633	ng	# 1
73) Di-n-butylphthalate	11.97	149	59662	90.902	ng	# 1
74) Fluoranthene	12.65	202	1191	2.107	ng	# 1
76) Benzidine	12.80	184	325	Below Cal		# 1
77) Pyrene	12.86	202	1728	4.835	ng	# 1
79) Butylbenzylphthalate	13.54	149	1484	8.813	ng	# 1
80) Benzo(a)anthracene	14.03	228	2607	9.050	ng	# 1

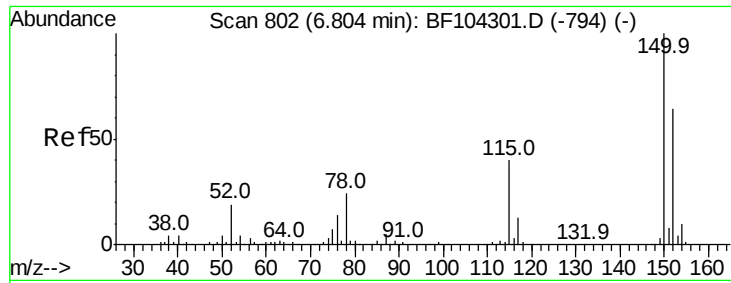
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
 Data File : BF104756.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) 3,3'-Dichlorobenzidine	14.00	252	264	2.458	ng	# 1
82) Chrysene	14.09	228	8053	27.216	ng	# 1
83) Bis(2-ethylhexyl)phthalate	14.06	149	608	2.807	ng	# 1
84) Di-n-octyl phthalate	14.66	149	3397	9.387	ng	# 51
85) Indeno(1,2,3-cd)pyrene	17.03	276	20178	80.276	ng	92
87) Benzo(b)fluoranthene	15.24	252	25127	3.654	ng	# 1
88) Benzo(k)fluoranthene	15.24	252	25246	3.888	ng	# 1
89) Benzo(a)pyrene	15.58	252	17574	2.856	ng	# 1

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

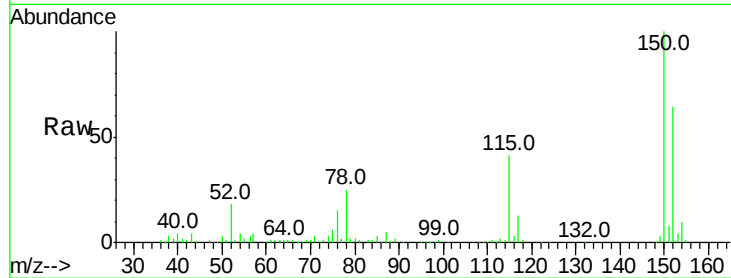


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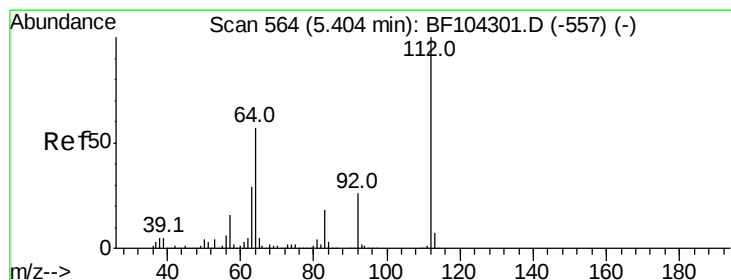
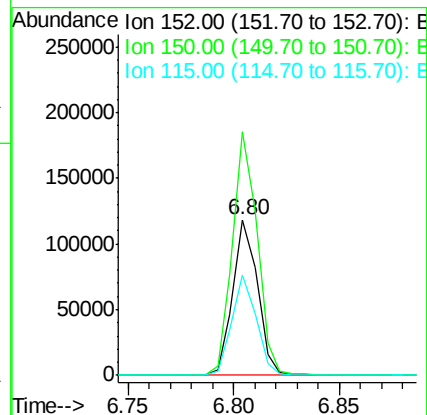
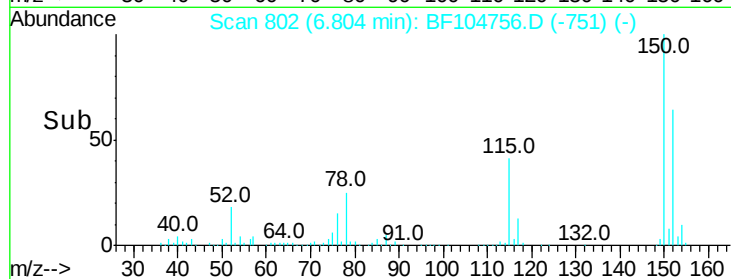
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104756.D
Acq: 24 Apr 2018 15:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 95560
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 64.0 50.1 75.1



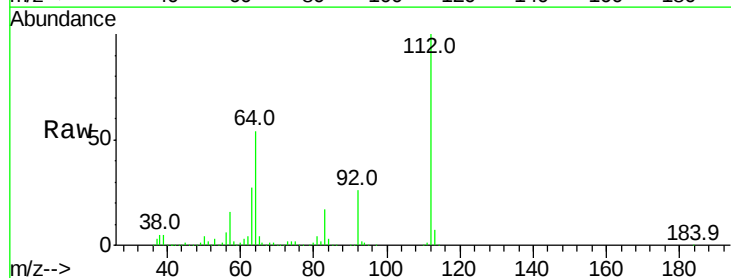
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



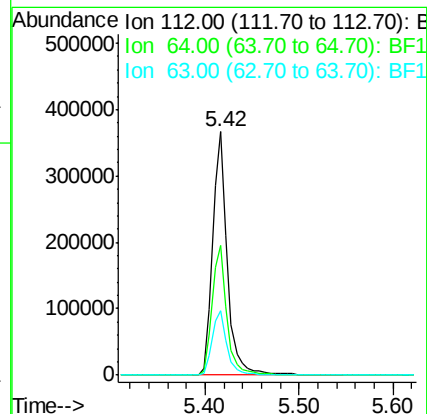
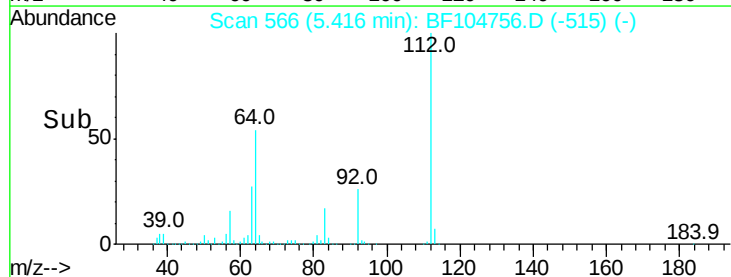
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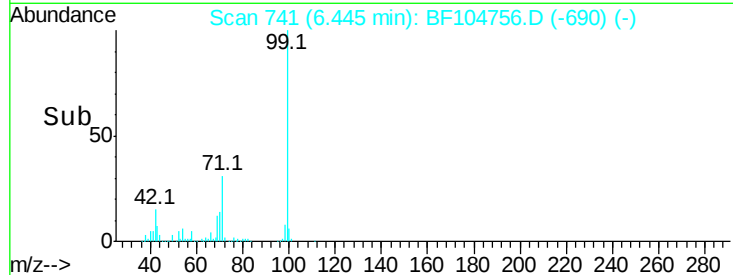
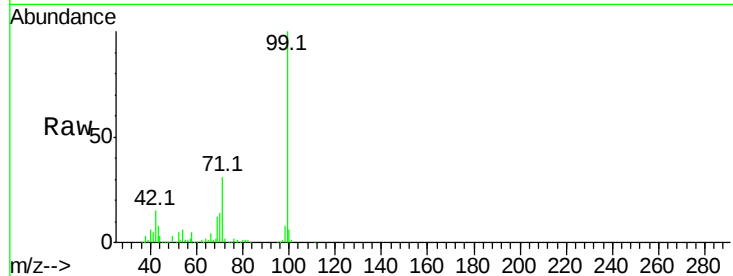
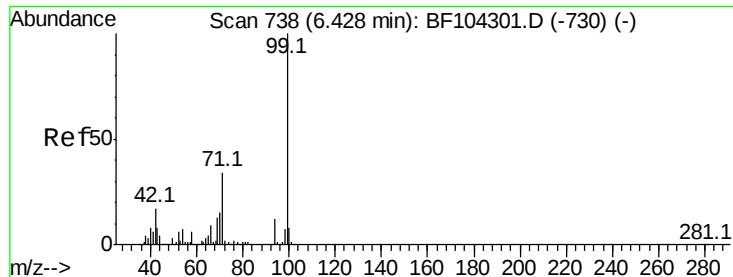
2-Fluorophenol
Concen: 64.491 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104756.D
Acq: 24 Apr 2018 15:13

Tgt Ion:112 Resp: 403046
Ion Ratio Lower Upper
112 100
64 53.5 47.9 71.9
63 26.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 39.088 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

Instrument :

BNA_F

ClientSampleId :

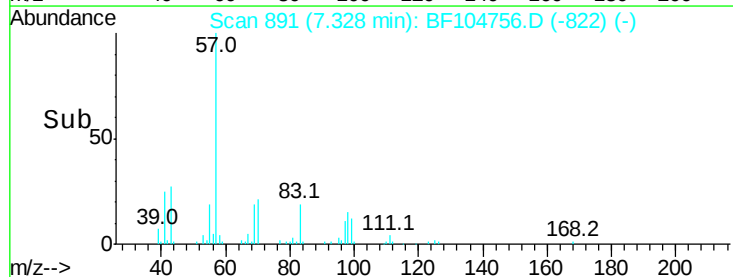
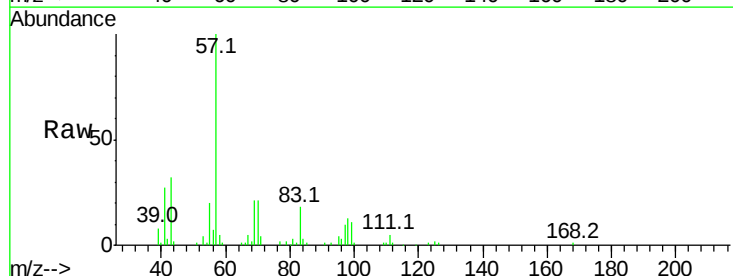
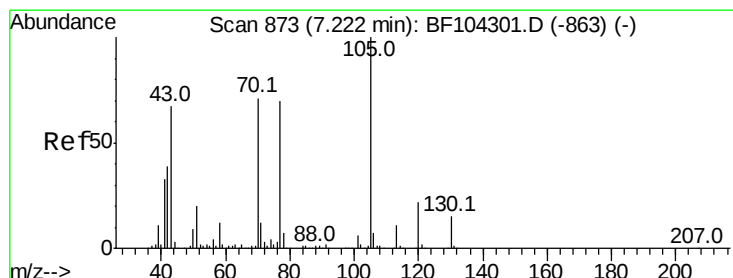
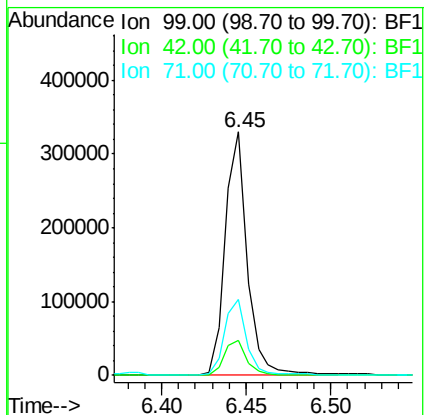
Tot Ion: 99 Resp: 300147

Ion Ratio Lower Upper

99 100

42 14.6 14.5 21.7

71 31.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 3.106 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.11 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

Tgt Ion: 70 Resp: 15584

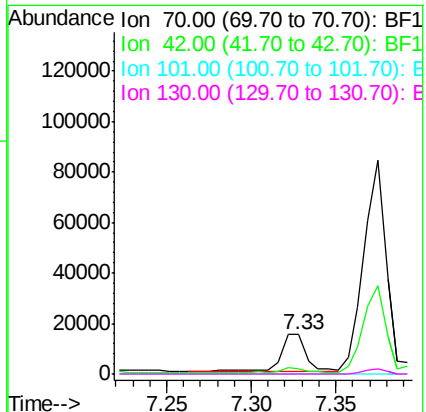
Ion Ratio Lower Upper

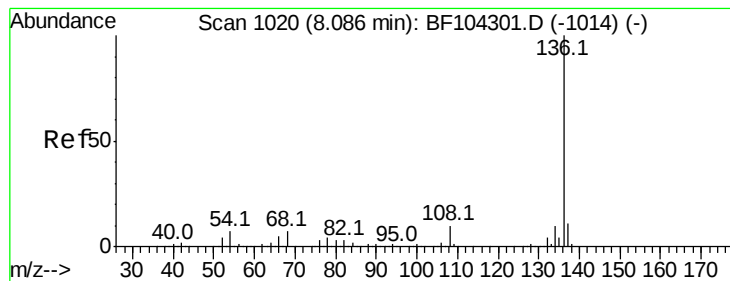
70 100

42 12.0 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 354322

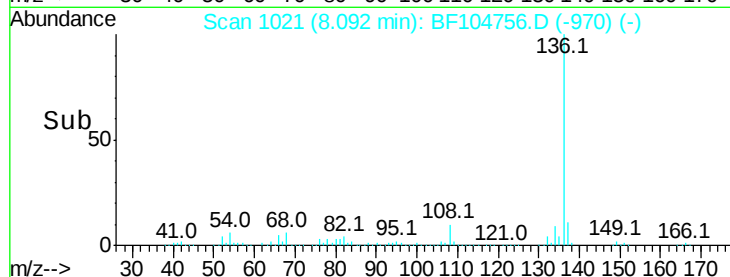
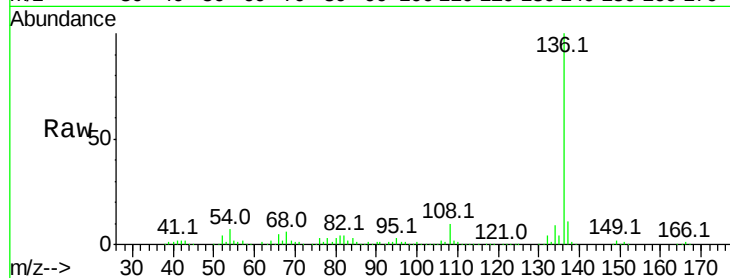
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 6.6 6.6 9.8

68 6.3 5.0 7.4

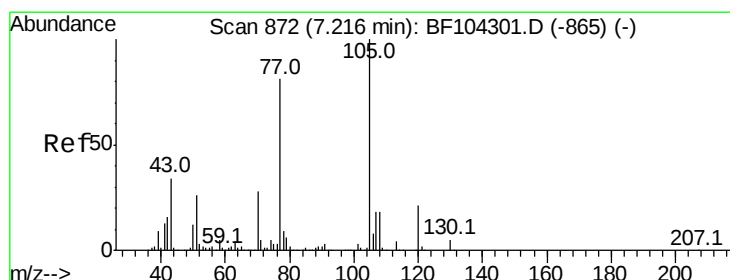
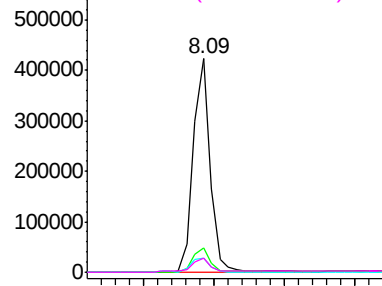


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 2.149 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.00 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

Tgt Ion:105 Resp: 18746

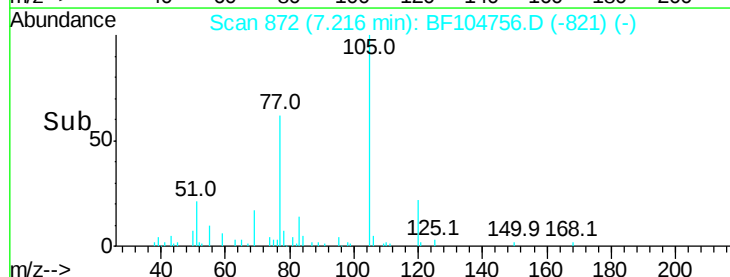
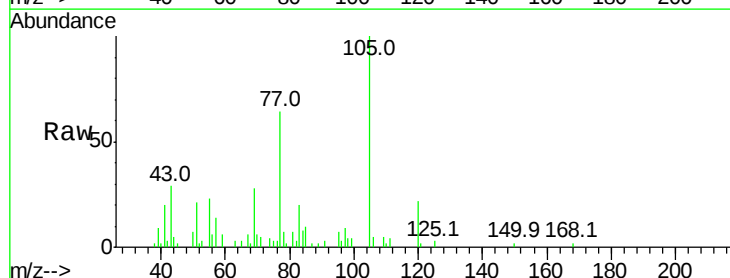
Ion Ratio Lower Upper

105 100

71 5.0 4.4 6.6

51 21.4 22.3 33.5#

120 22.1 16.9 25.3

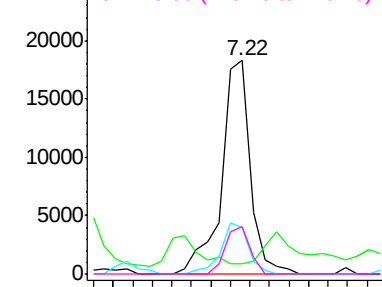


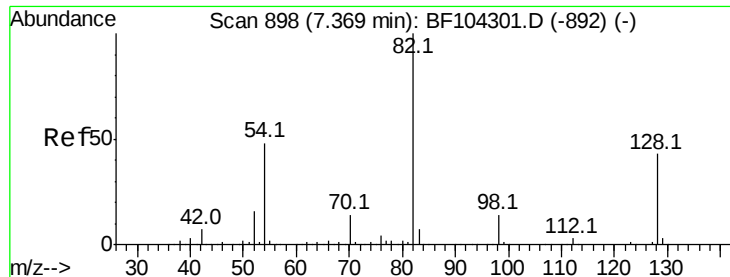
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

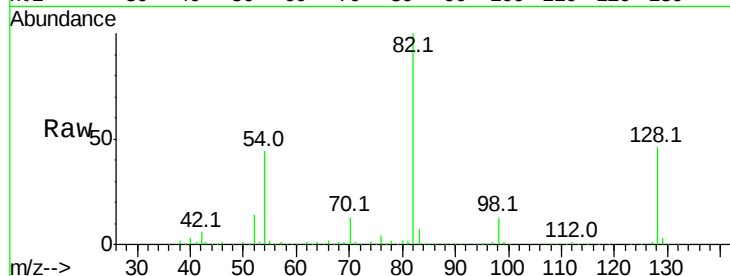




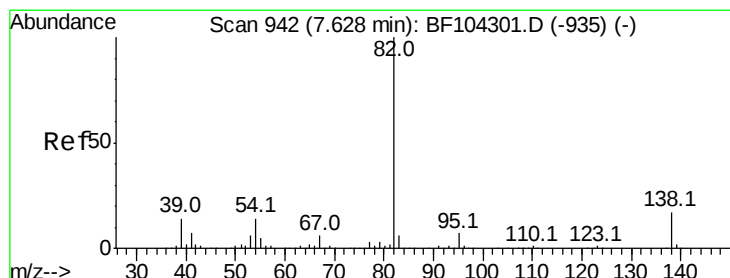
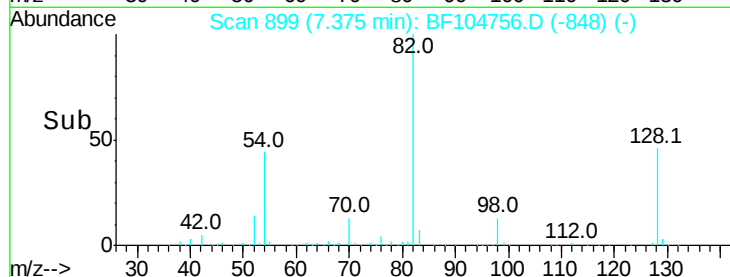
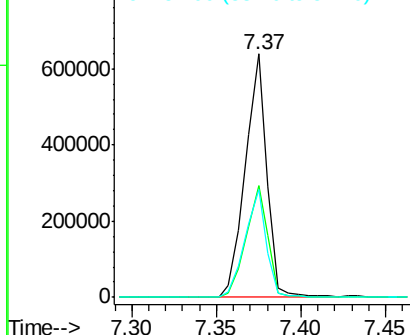
#23
 Nitrobenzene-d5
 Concen: 104.795 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: BF104756.D
 Acq: 24 Apr 2018 15:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 568640
 Ion Ratio Lower Upper
 82 100
 128 45.7 36.1 54.1
 54 44.4 41.4 62.2

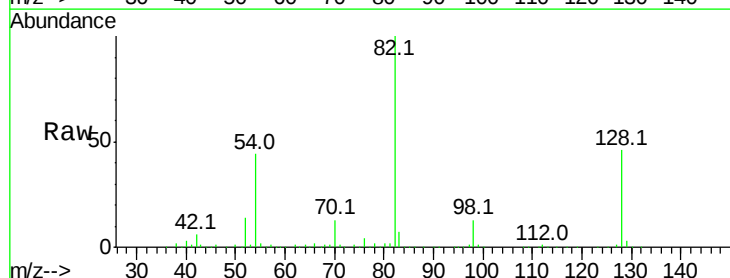


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

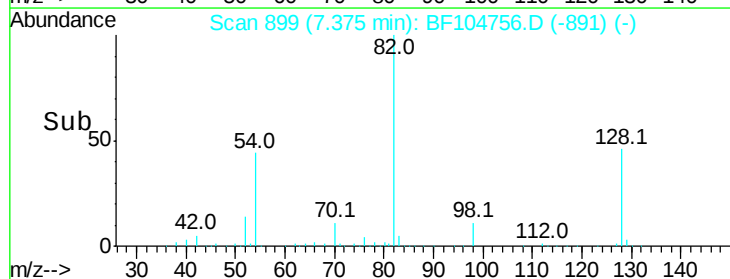
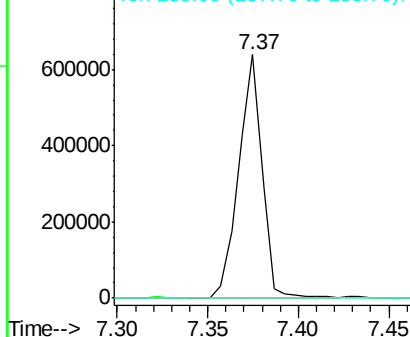


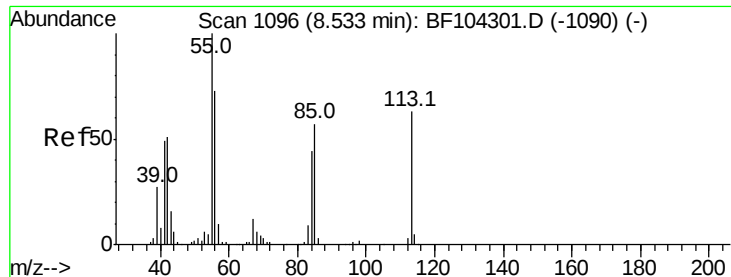
#25
 Isophorone
 Concen: 49.538 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.25 min
 Lab File: BF104756.D
 Acq: 24 Apr 2018 15:13

Tgt Ion: 82 Resp: 568423
 Ion Ratio Lower Upper
 82 100
 95 0.2 5.2 7.8#
 138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

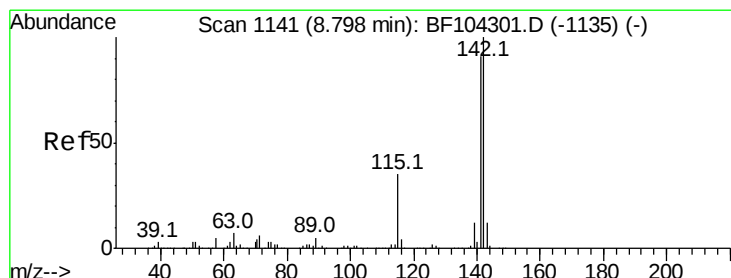
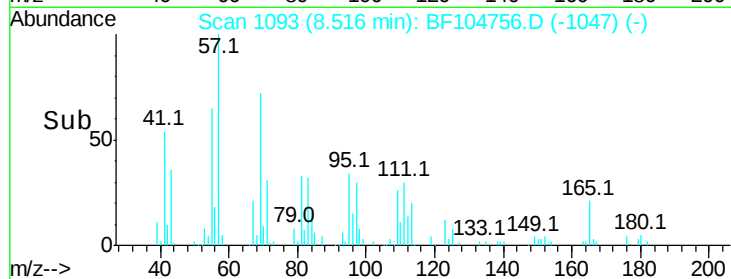
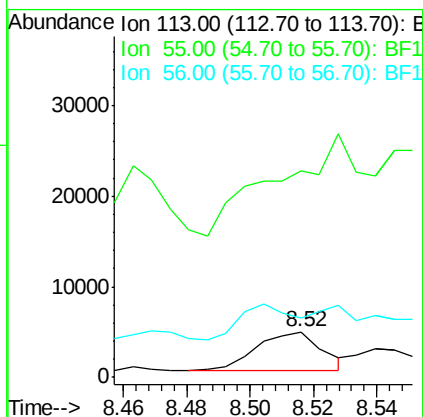
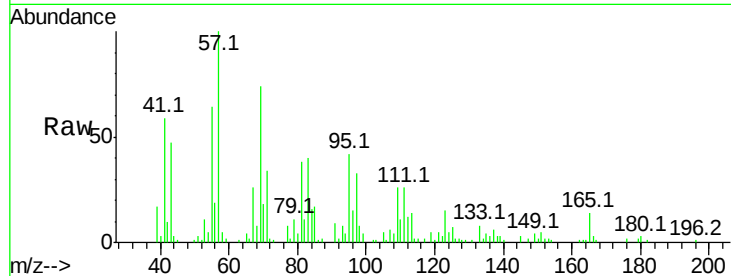




#35
 Caprolactam
 Concen: 3.703 ng
 RT: 8.52 min Scan# 1093
 Delta R.T. -0.03 min
 Lab File: BF104756.D
 Acq: 24 Apr 2018 15:13

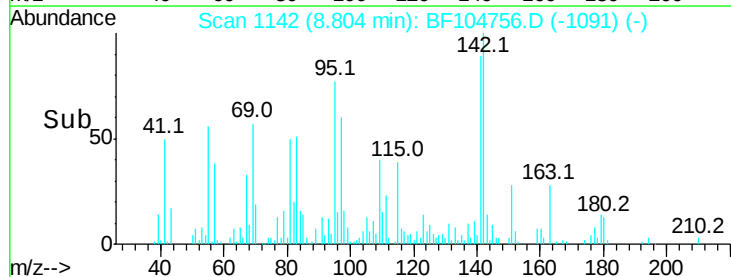
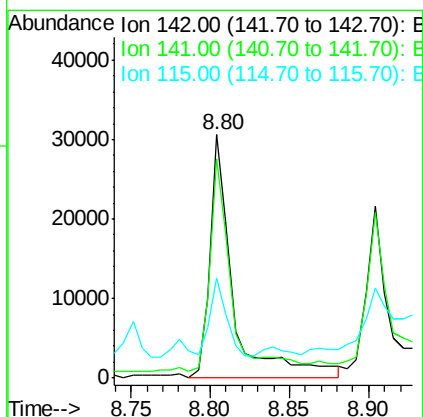
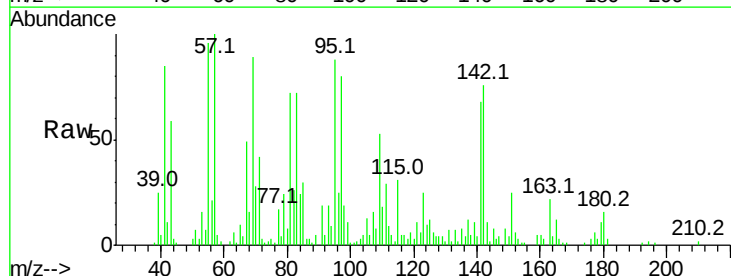
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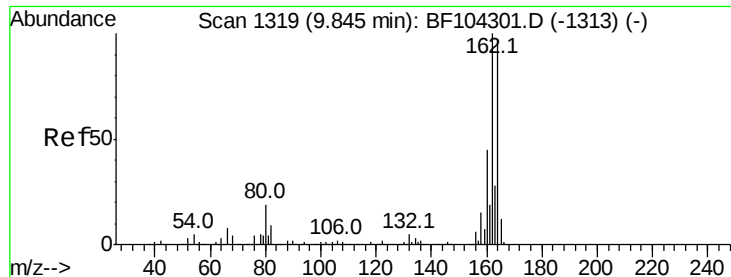
Tot Ion:113 Resp: 6242
 Ion Ratio Lower Upper
 113 100
 55 457.2 163.3 203.3#
 56 131.9 115.7 155.7



#37
 2-Methylnaphthalene
 Concen: 2.783 ng
 RT: 8.80 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: BF104756.D
 Acq: 24 Apr 2018 15:13

Tgt Ion:142 Resp: 31762
 Ion Ratio Lower Upper
 142 100
 141 90.3 70.8 106.2
 115 40.9 26.1 39.1#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.01 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

Instrument :

BNA_F

ClientSampled :

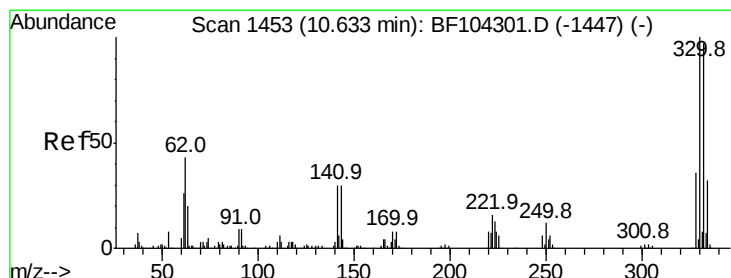
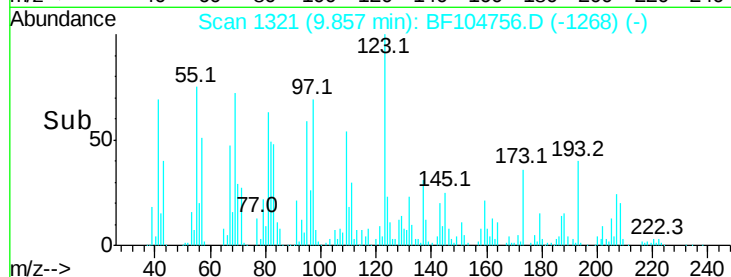
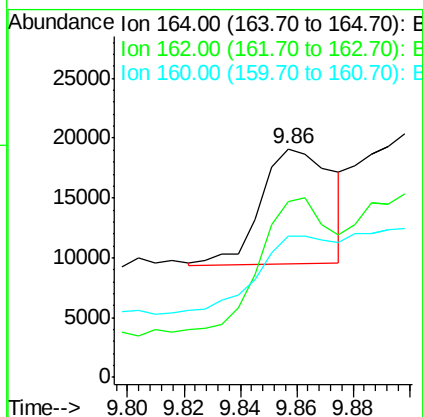
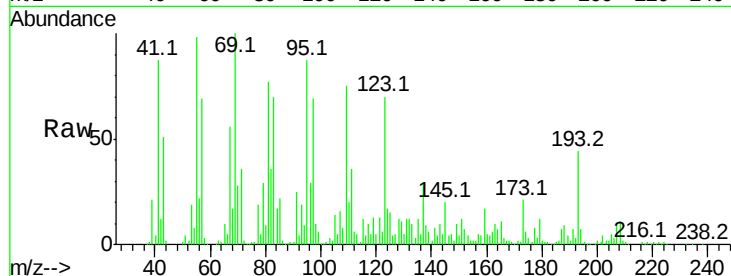
Tot Ion:164 Resp: 17166

Ion Ratio Lower Upper

164 100

162 77.1 86.1 129.1#

160 61.4 38.3 57.5#



#41

2,4,6-Tribromophenol

Concen: 269.802 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.06 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

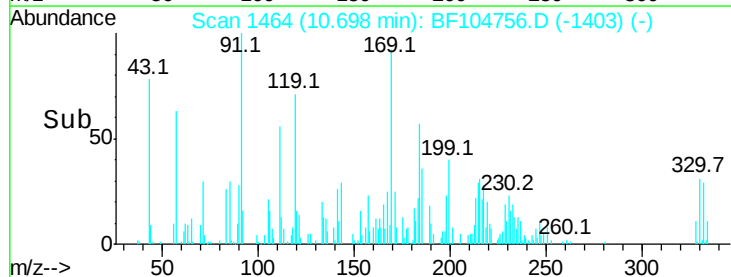
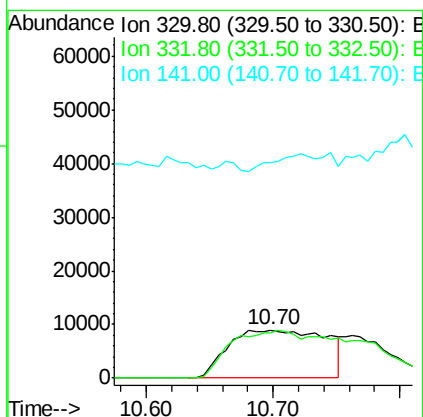
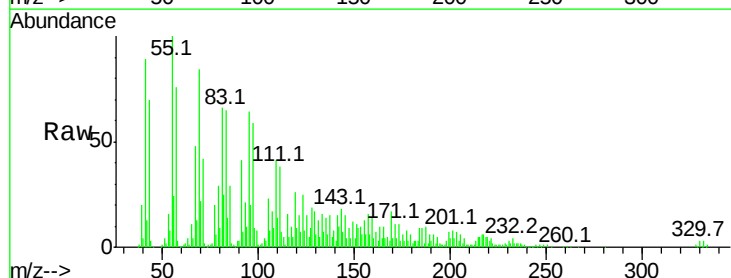
Tgt Ion:330 Resp: 48043

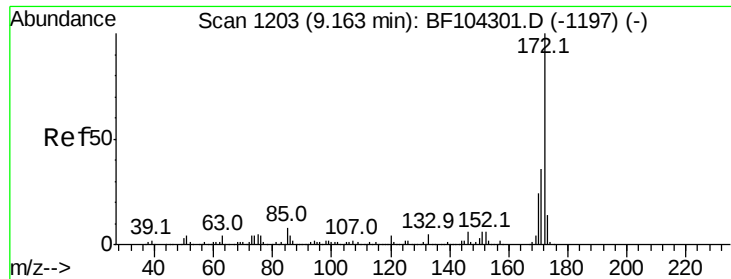
Ion Ratio Lower Upper

330 100

332 67.9 77.0 115.6#

141 0.0 29.9 44.9#

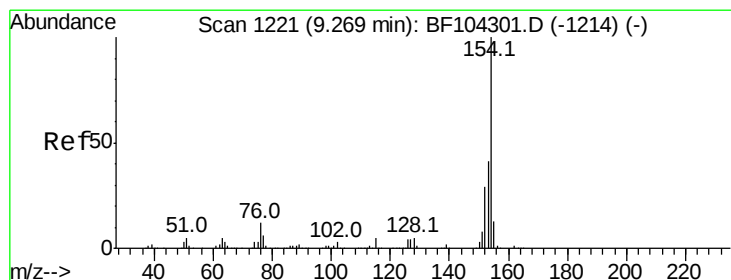
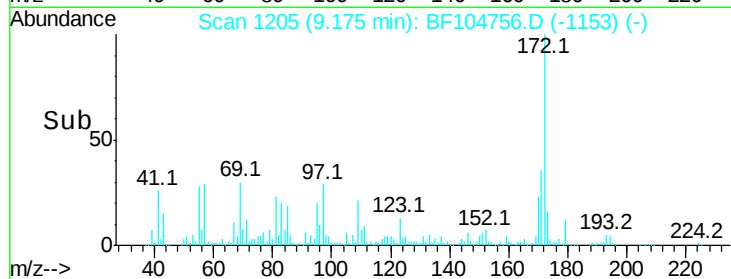
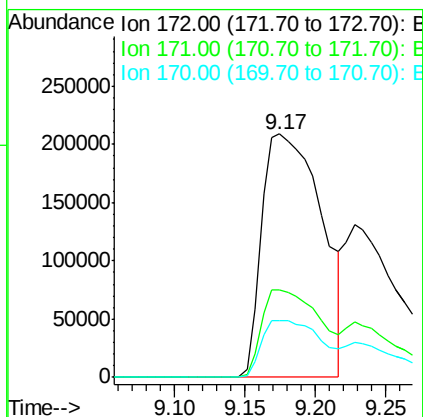
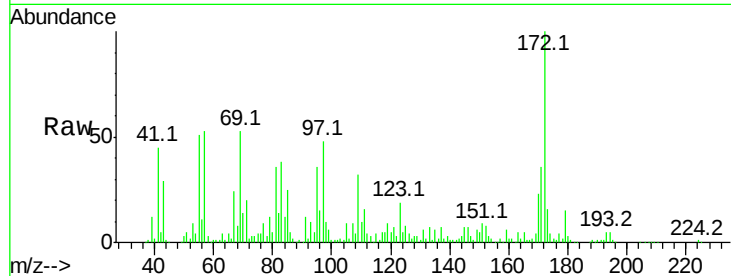




#44
2-Fluorobiphenyl
Concen: 571.623 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.01 min
Lab File: BF104756.D
Acq: 24 Apr 2018 15:13

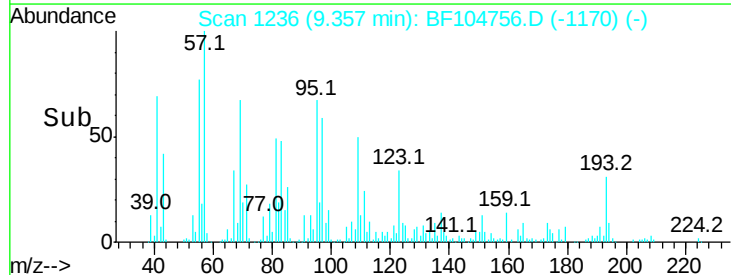
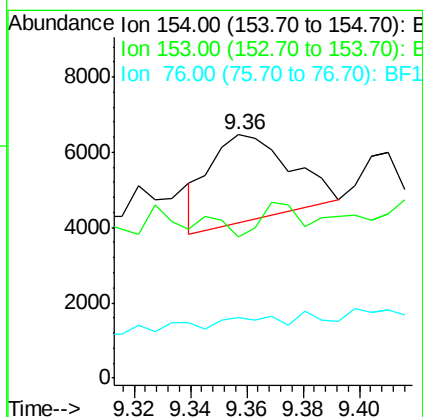
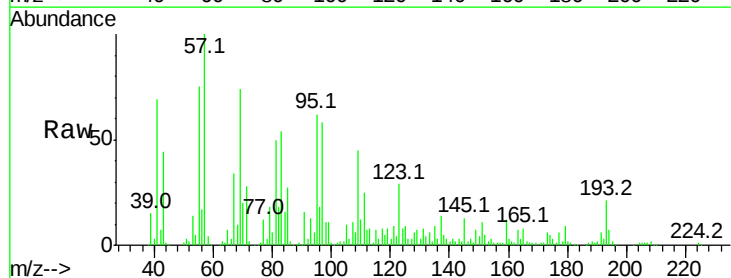
Instrument :
BNA_F
ClientSampleId :

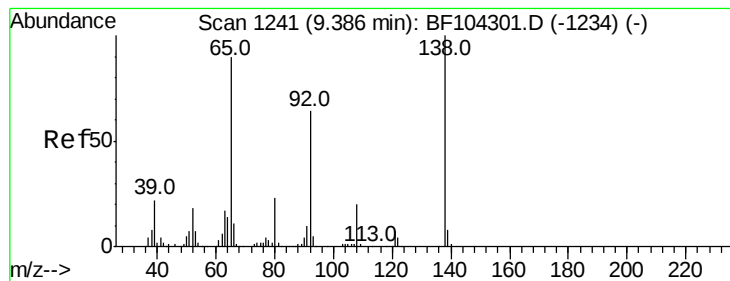
Tot Ion:172 Resp: 621141
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 23.4 19.6 29.4



#45
1,1'-Biphenyl
Concen: 3.182 ng
RT: 9.36 min Scan# 1236
Delta R.T. 0.09 min
Lab File: BF104756.D
Acq: 24 Apr 2018 15:13

Tgt Ion:154 Resp: 4589
Ion Ratio Lower Upper
154 100
153 57.8 21.3 61.3
76 24.6 0.0 34.0





#47

2-Nitroaniline

Concen: 114.219 ng

RT: 9.35 min Scan# 1235

Delta R.T. -0.04 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

Instrument :

BNA_F

ClientSampled :

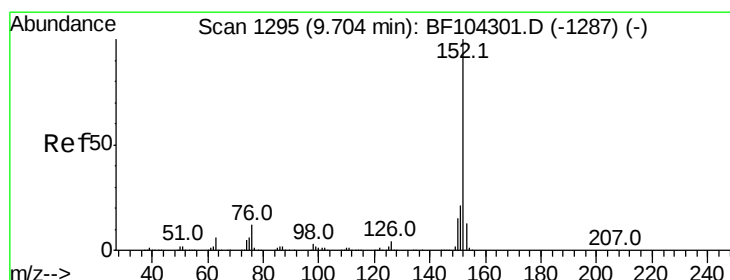
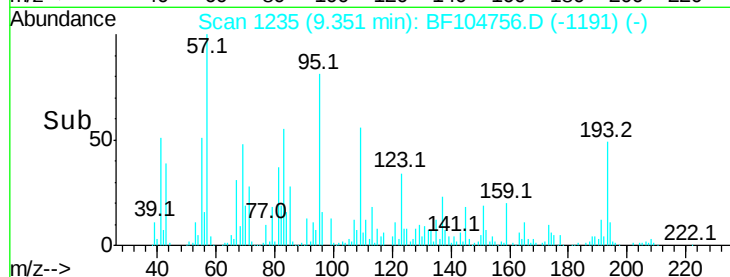
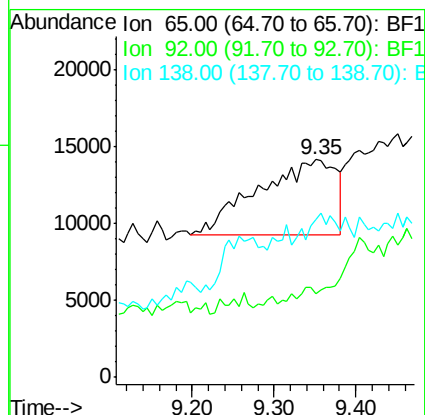
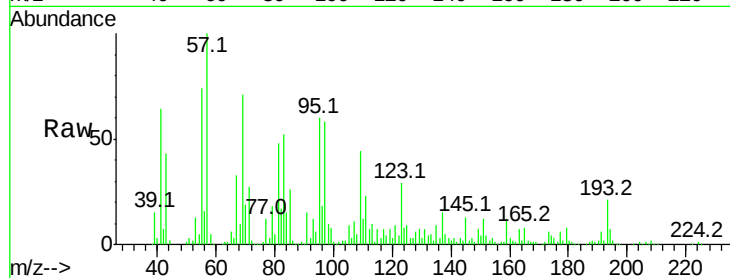
Tot Ion: 65 Resp: 32174

Ion Ratio Lower Upper

65 100

92 38.7 55.8 83.6#

138 72.7 91.2 136.8#



#48

Acenaphthylene

Concen: 6.439 ng

RT: 9.72 min Scan# 1297

Delta R.T. 0.01 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

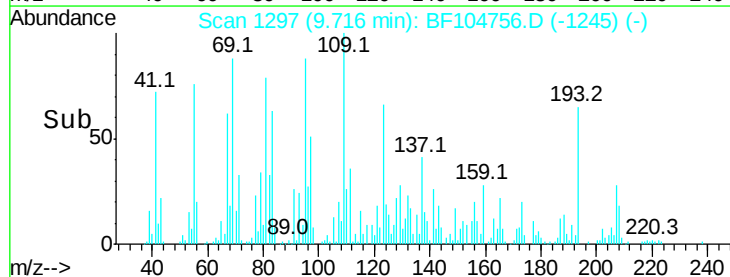
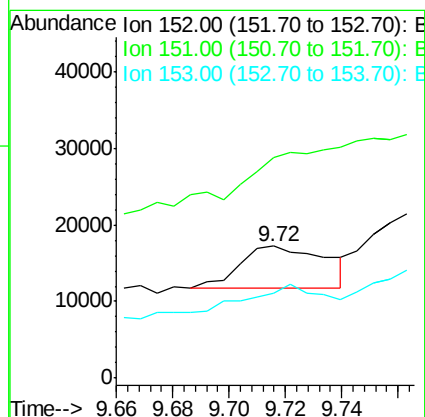
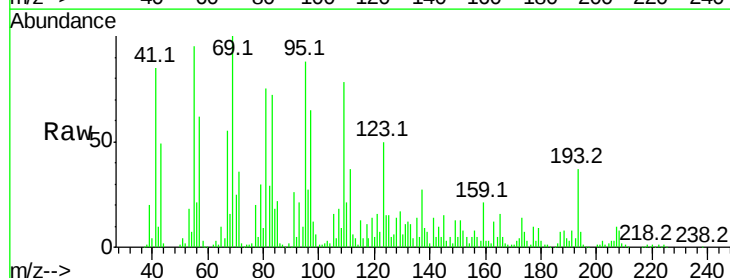
Tgt Ion:152 Resp: 11507

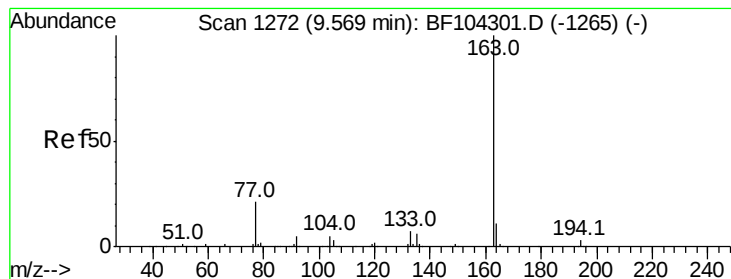
Ion Ratio Lower Upper

152 100

151 167.2 16.3 24.5#

153 64.3 10.7 16.1#





#49

Dimethylphthalate

Concen: 41.828 ng

RT: 9.49 min Scan# 1259

Delta R.T. -0.08 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

Instrument :

BNA_F

ClientSampled :

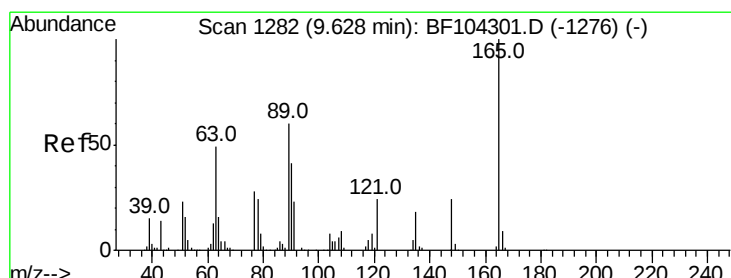
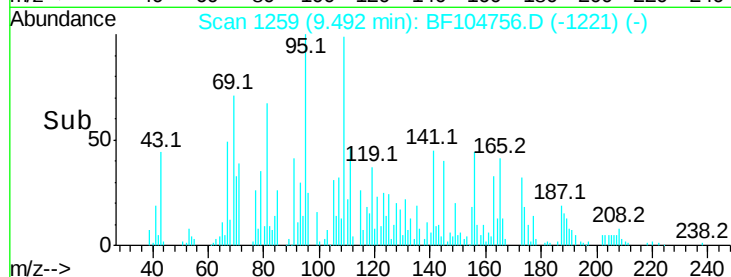
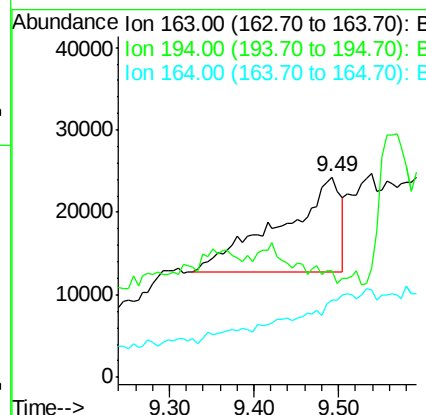
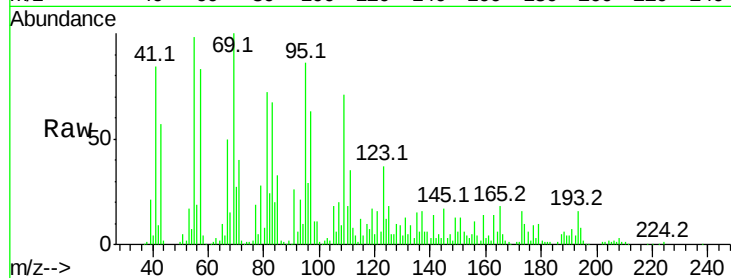
Tot Ion:163 Resp: 56621

Ion Ratio Lower Upper

163 100

194 53.4 2.7 4.1#

164 38.7 8.2 12.2#



#50

2,6-Dinitrotoluene

Concen: 174.392 ng

RT: 9.51 min Scan# 1262

Delta R.T. -0.13 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

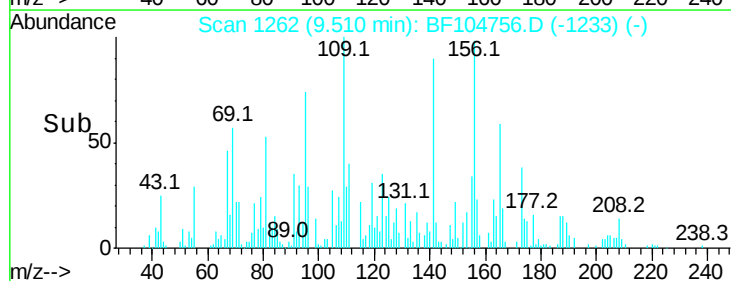
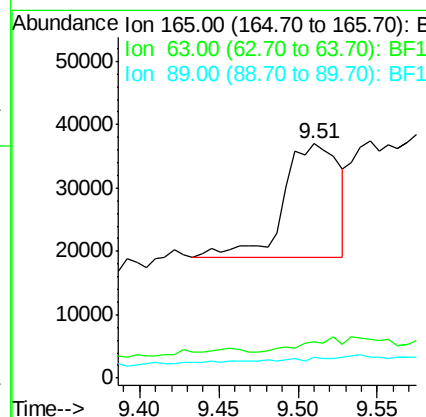
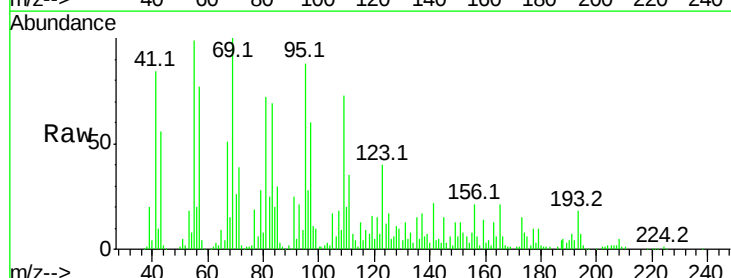
Tgt Ion:165 Resp: 43682

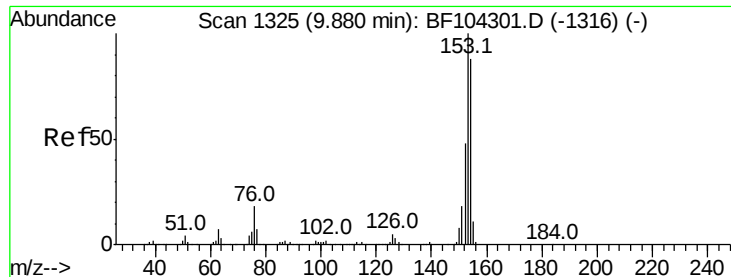
Ion Ratio Lower Upper

165 100

63 15.4 44.7 67.1#

89 8.9 44.0 66.0#





#51

Acenaphthene

Concen: 2.101 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.01 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

Instrument :

BNA_F

ClientSampled :

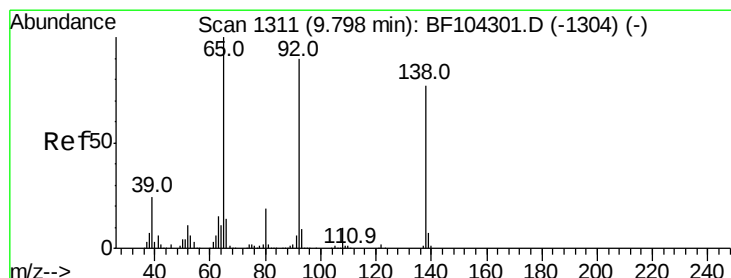
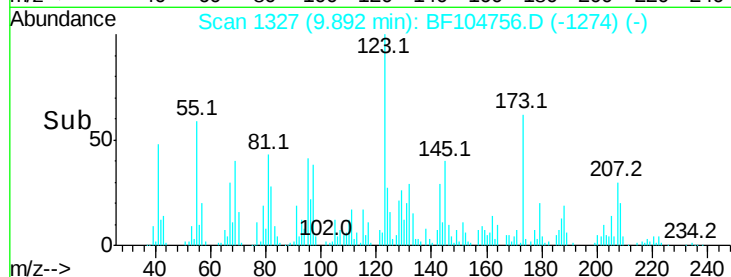
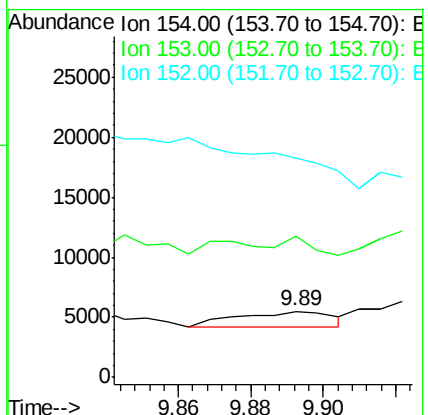
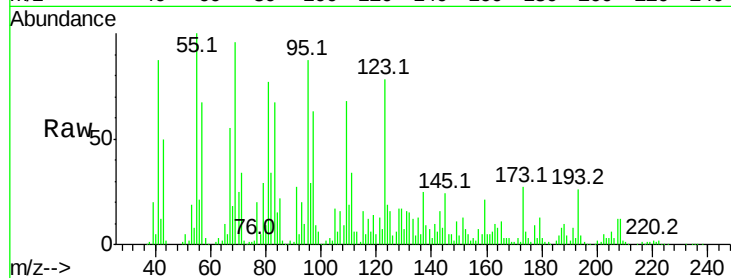
Tot Ion:154 Resp: 2291

Ion Ratio Lower Upper

154 100

153 214.5 91.2 136.8#

152 333.0 43.8 65.8#



#52

3-Nitroaniline

Concen: 25.269 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

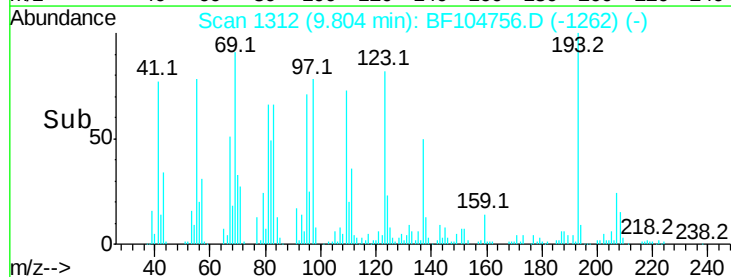
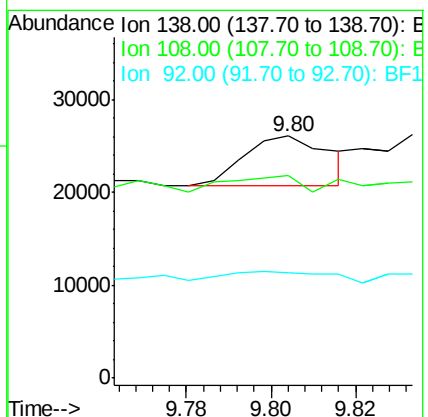
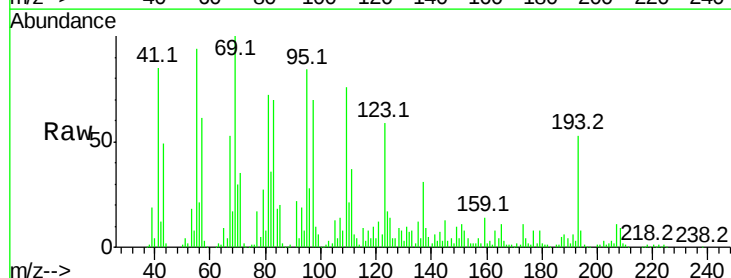
Tgt Ion:138 Resp: 7410

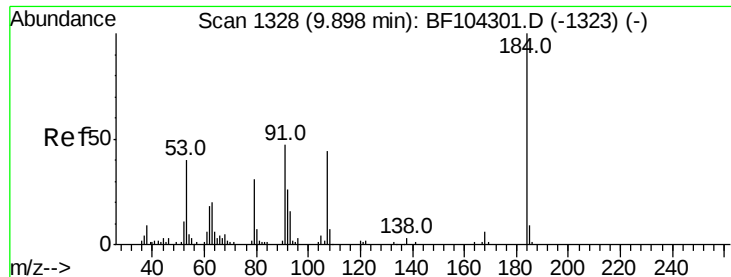
Ion Ratio Lower Upper

138 100

108 83.6 9.4 14.0#

92 43.3 89.4 134.2#

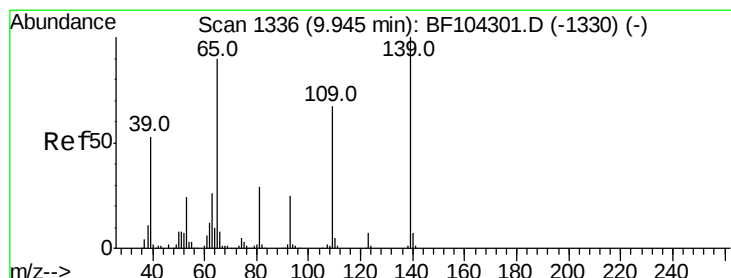
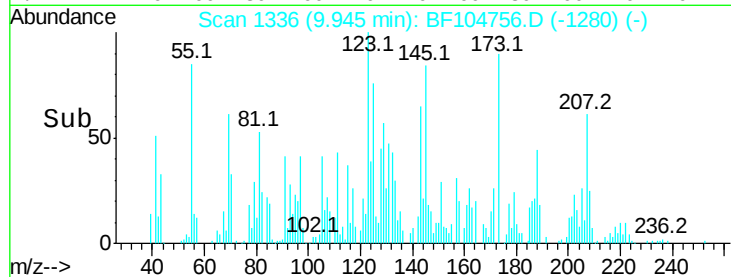
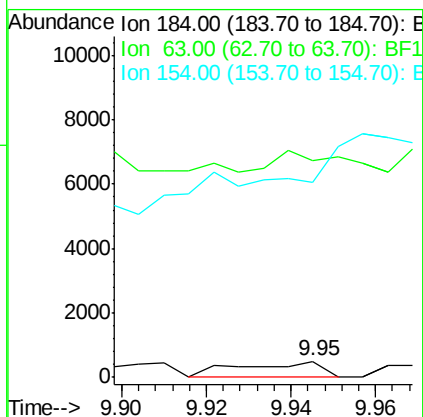
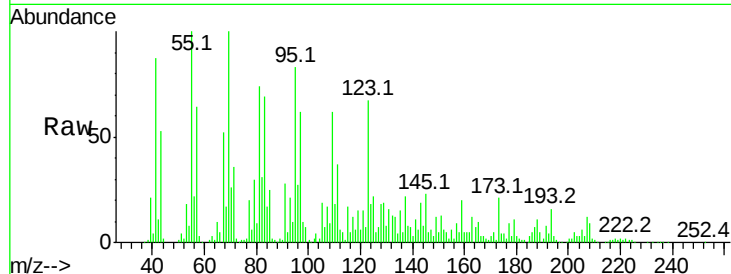




#53
 2,4-Dinitrophenol
 Concen: 14.233 ng
 RT: 9.95 min Scan# 1336
 Delta R.T. 0.03 min
 Lab File: BF104756.D
 Acq: 24 Apr 2018 15:13

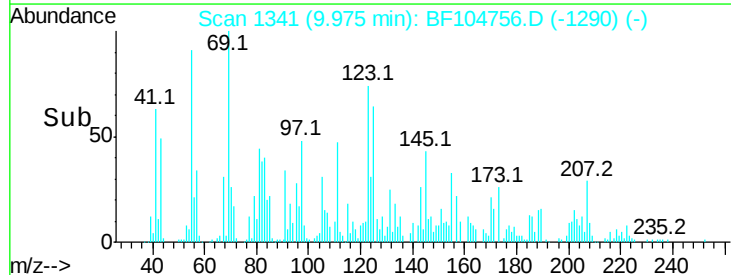
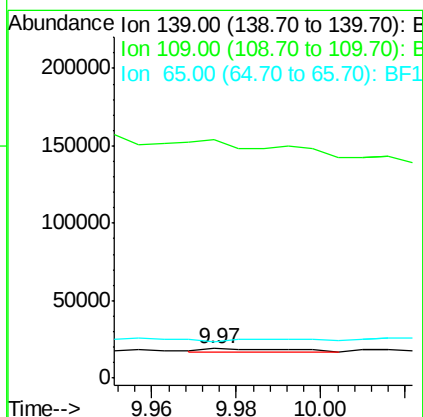
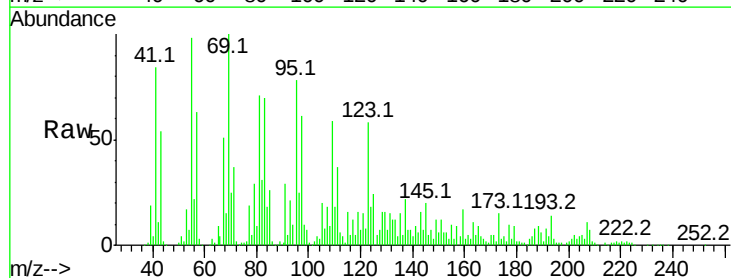
Instrument :
 BNA_F
 ClientSampleId :

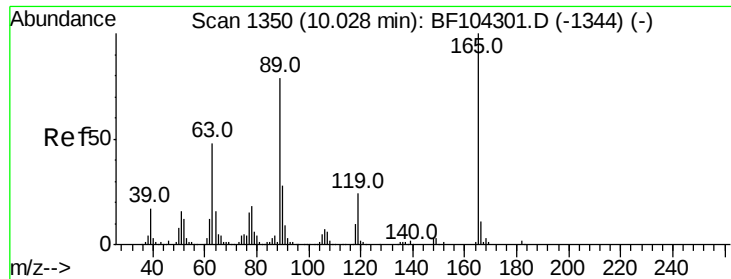
Tot Ion:184 Resp: 665
 Ion Ratio Lower Upper
 184 100
 63 1320.2 54.2 81.2#
 154 1189.2 184.0 276.0#



#55
 4-Nitrophenol
 Concen: 14.912 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. -0.00 min
 Lab File: BF104756.D
 Acq: 24 Apr 2018 15:13

Tgt Ion:139 Resp: 3435
 Ion Ratio Lower Upper
 139 100
 109 815.2 48.4 88.4#
 65 125.9 72.6 112.6#

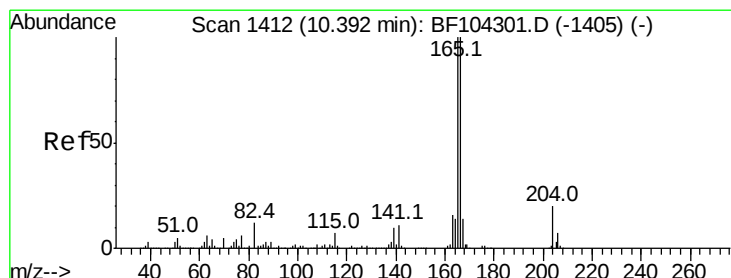
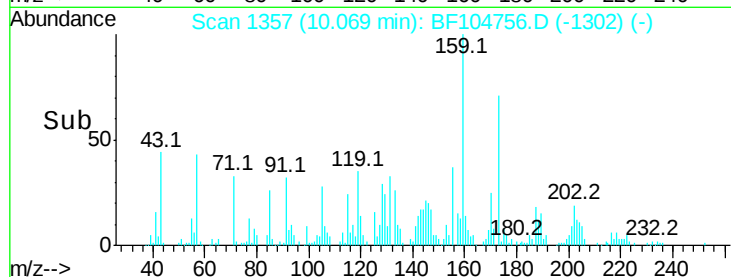
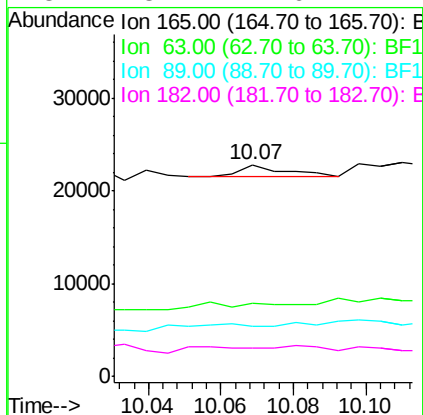
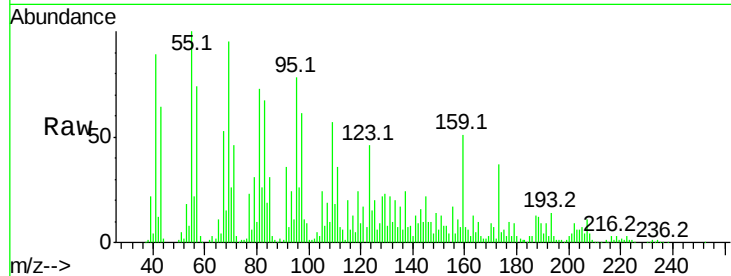




#56
2,4-Dinitrotoluene
Concen: 3.445 ng
RT: 10.07 min Scan# 1357
Delta R.T. 0.02 min
Lab File: BF104756.D
Acq: 24 Apr 2018 15:13

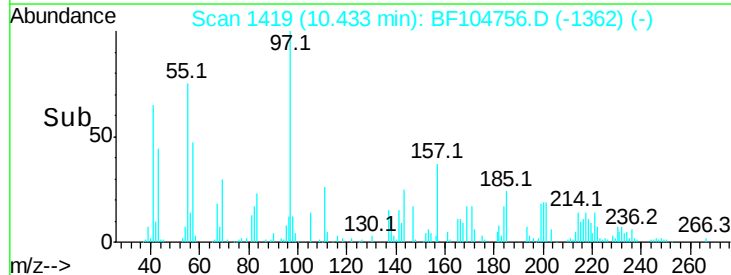
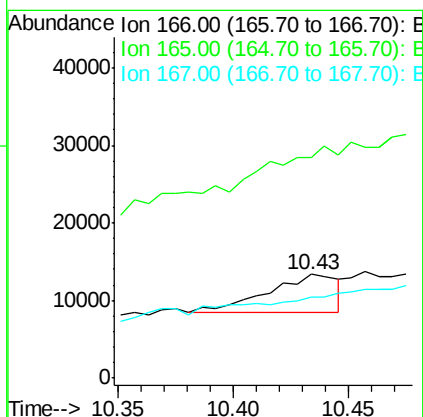
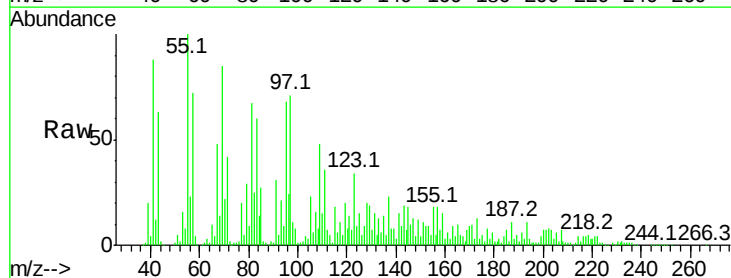
Instrument :
BNA_F
ClientSampleId :

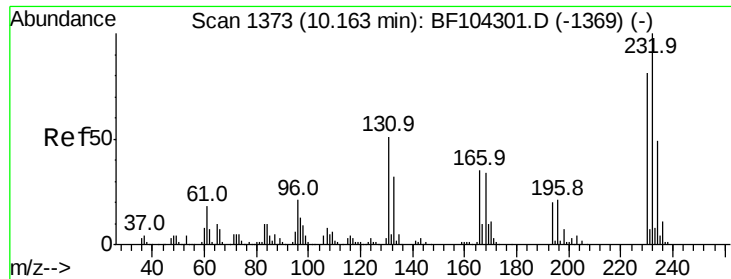
Tot Ion:165 Resp: 1132
Ion Ratio Lower Upper
165 100
63 34.7 36.4 54.6#
89 23.6 57.8 86.6#
182 13.4 1.6 2.4#



#57
Fluorene
Concen: 9.637 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.04 min
Lab File: BF104756.D
Acq: 24 Apr 2018 15:13

Tgt Ion:166 Resp: 10659
Ion Ratio Lower Upper
166 100
165 213.4 79.8 119.8#
167 78.2 10.6 16.0#

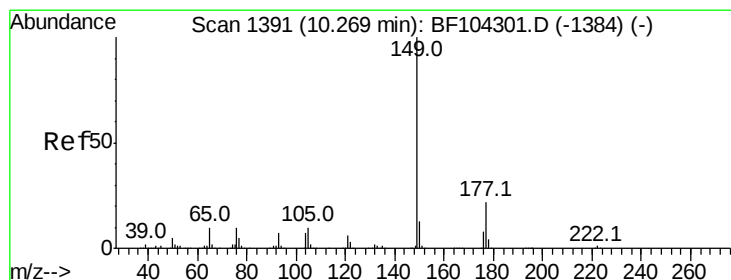
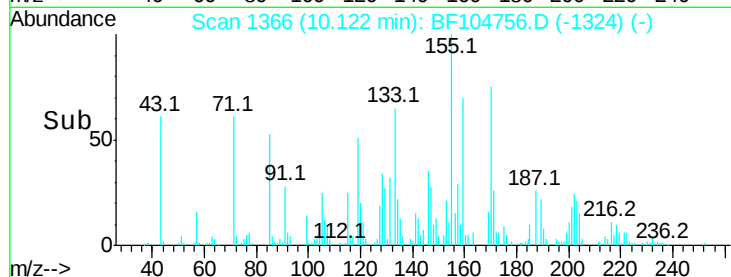
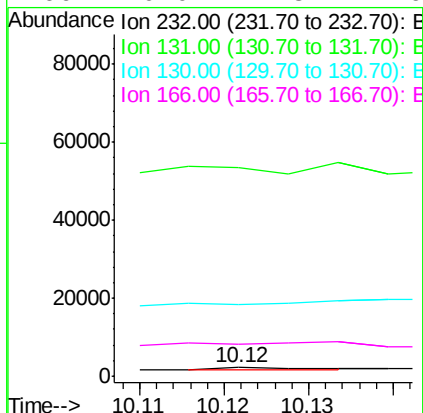
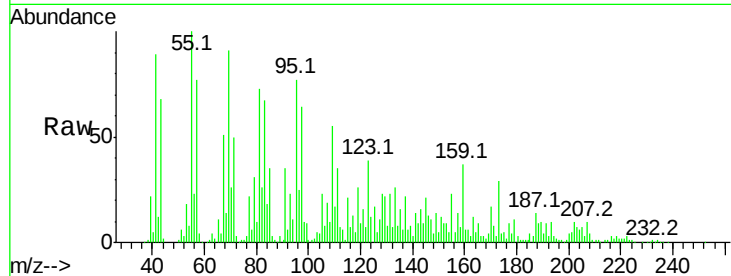




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 2.212 ng
 RT: 10.12 min Scan# 1366
 Delta R.T. -0.05 min
 Lab File: BF104756.D
 Acq: 24 Apr 2018 15:13

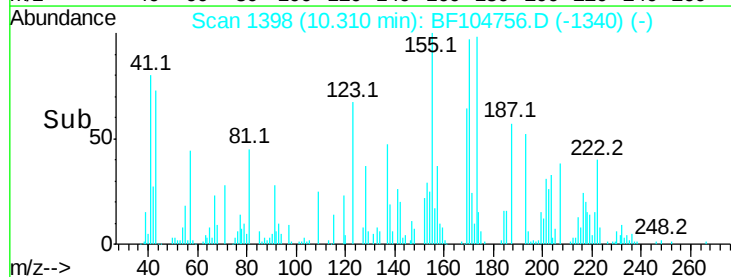
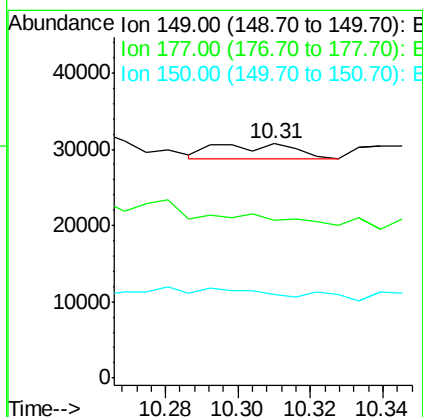
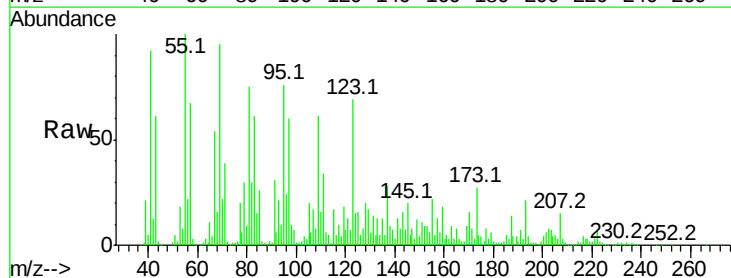
Instrument :
 BNA_F
 ClientSampled :

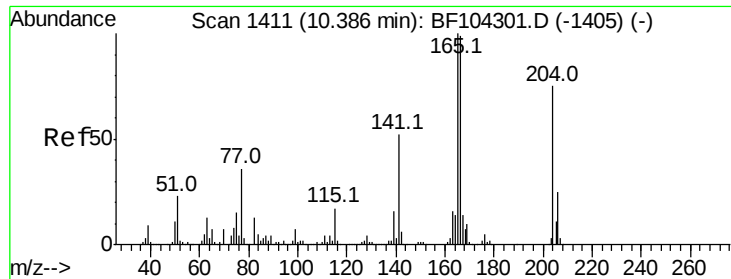
Tot Ion:232 Resp: 630
 Ion Ratio Lower Upper
 232 100
 131 9819.0 43.8 65.8#
 130 0.0 2.1 3.1#
 166 0.0 27.8 41.6#



#59
 Diethylphthalate
 Concen: 2.278 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. 0.04 min
 Lab File: BF104756.D
 Acq: 24 Apr 2018 15:13

Tgt Ion:149 Resp: 3071
 Ion Ratio Lower Upper
 149 100
 177 67.4 16.1 24.1#
 150 35.5 10.1 15.1#

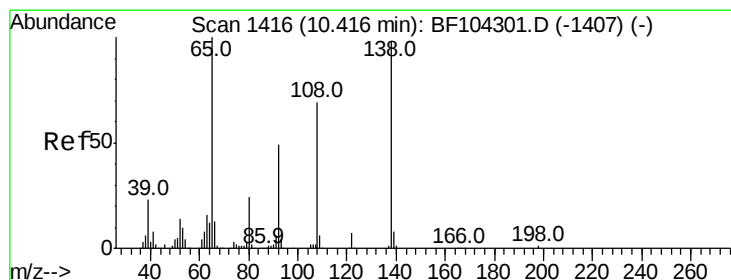
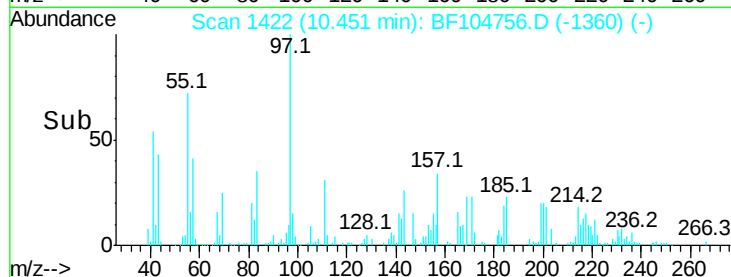
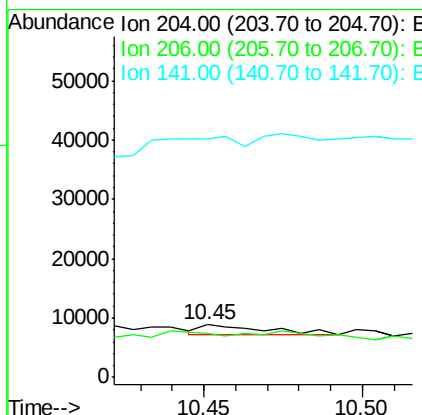
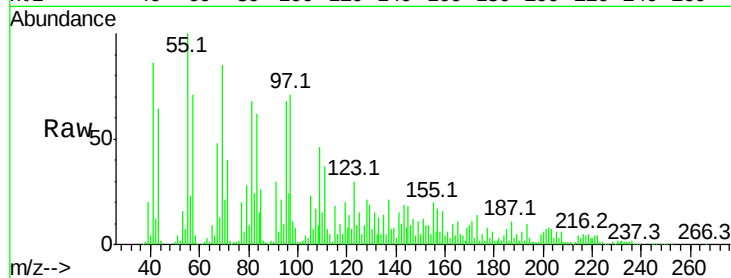




#60
4-Chlorophenyl-phenylether
Concen: 4.848 ng
RT: 10.45 min Scan# 1422
Delta R.T. 0.06 min
Lab File: BF104756.D
Acq: 24 Apr 2018 15:13

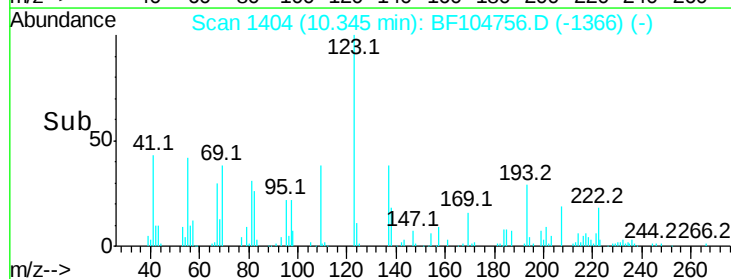
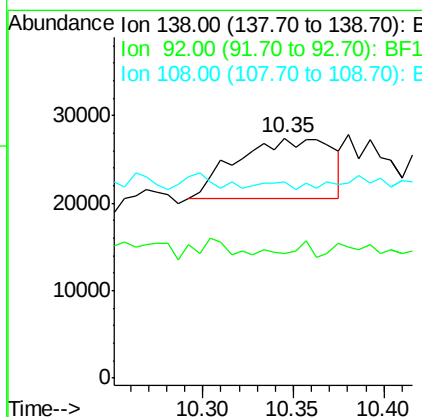
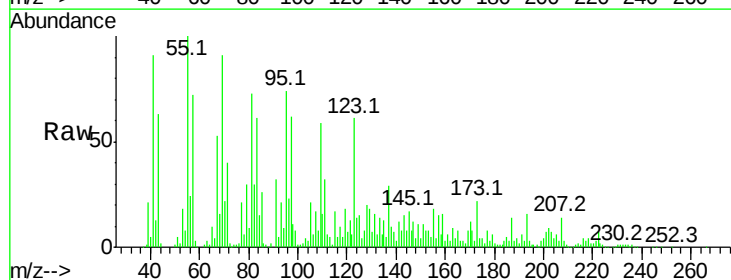
Instrument :
BNA_F
ClientSampleId :

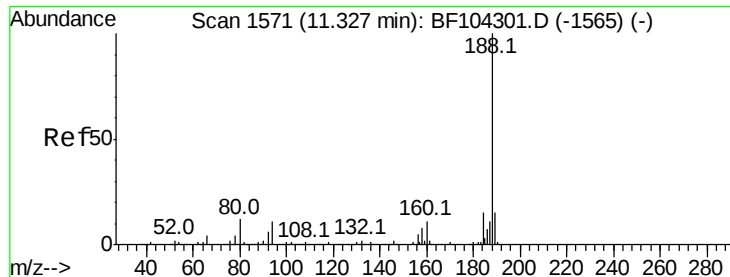
Tot Ion:204 Resp: 2388
Ion Ratio Lower Upper
204 100
206 83.1 26.5 39.7#
141 455.9 54.6 81.8#



#61
4-Nitroaniline
Concen: 88.312 ng
RT: 10.35 min Scan# 1404
Delta R.T. -0.08 min
Lab File: BF104756.D
Acq: 24 Apr 2018 15:13

Tgt Ion:138 Resp: 25321
Ion Ratio Lower Upper
138 100
92 51.7 30.2 70.2
108 81.8 52.5 92.5





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.08 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

Instrument :

BNA_F

ClientSampleId :

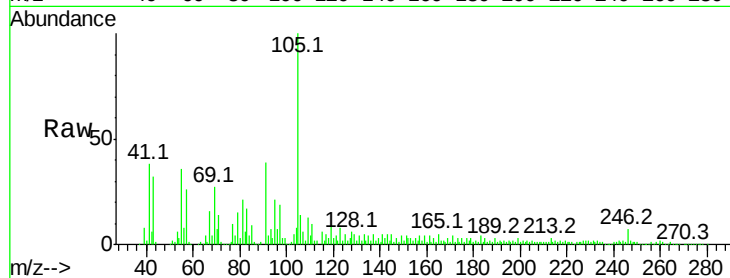
Tot Ion:188 Resp: 9713

Ion Ratio Lower Upper

188 100

94 247.3 8.5 12.7#

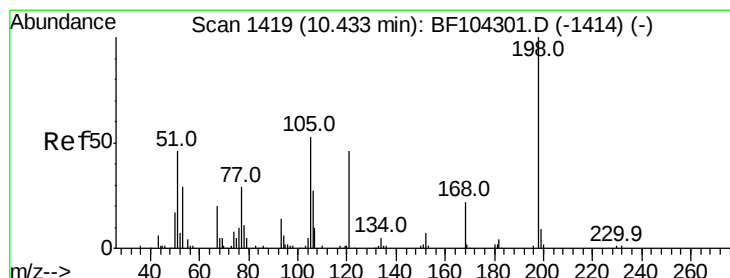
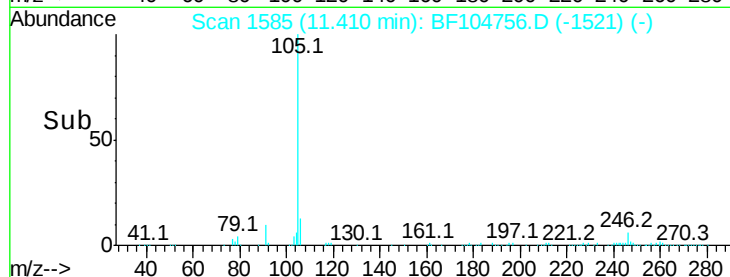
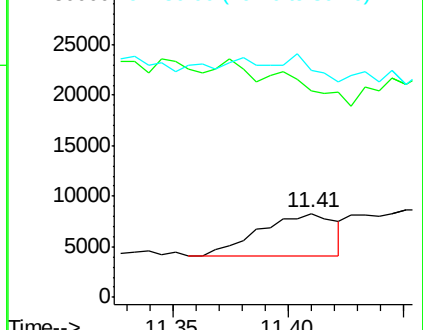
80 271.2 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 84.853 ng

RT: 10.45 min Scan# 1421

Delta R.T. -0.01 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

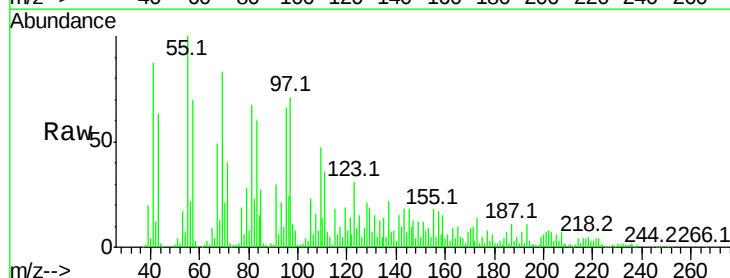
Tgt Ion:198 Resp: 4329

Ion Ratio Lower Upper

198 100

51 498.5 37.7 77.7#

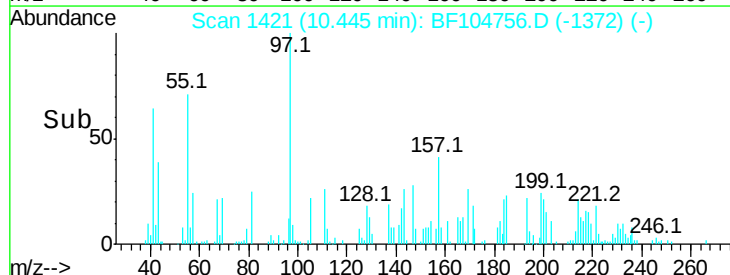
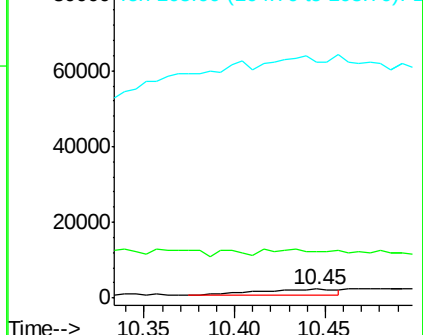
105 2561.9 36.3 76.3#

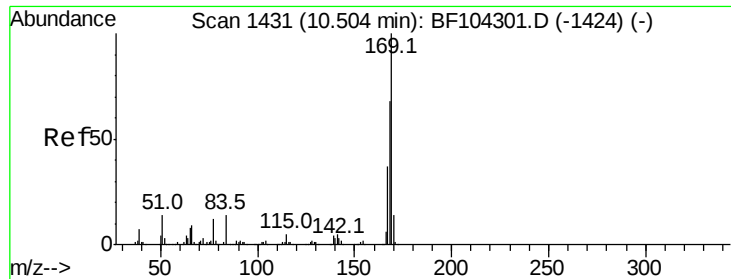


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

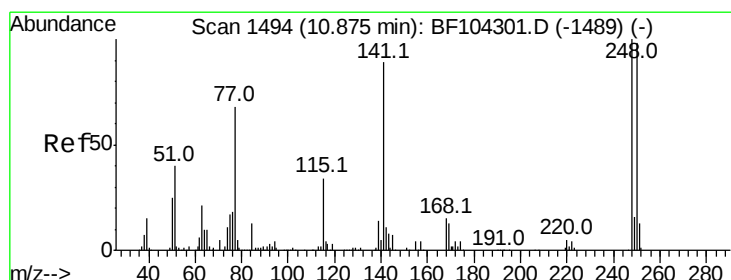
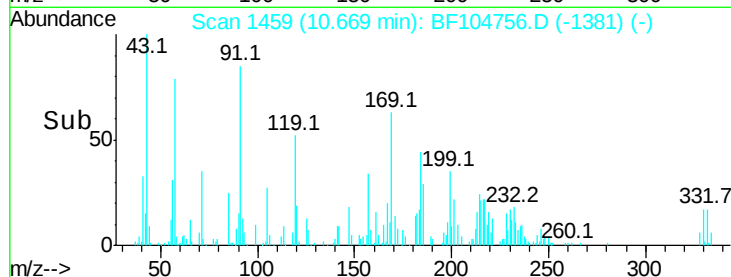
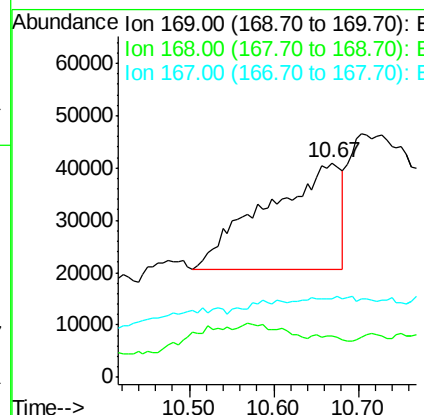
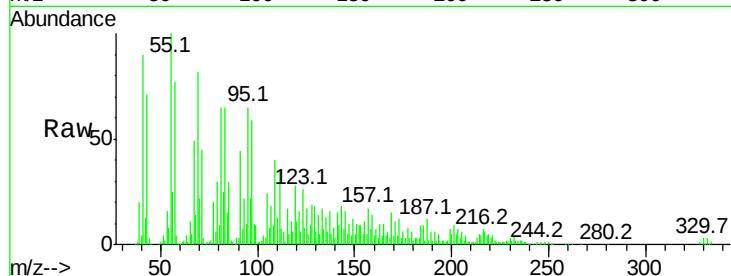




#65
n-Nitrosodiphenylamine
Concen: 373.374 ng
RT: 10.67 min Scan# 1459
Delta R.T. 0.16 min
Lab File: BF104756.D
Acq: 24 Apr 2018 15:13

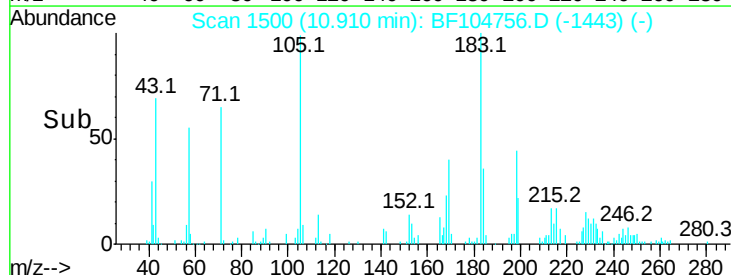
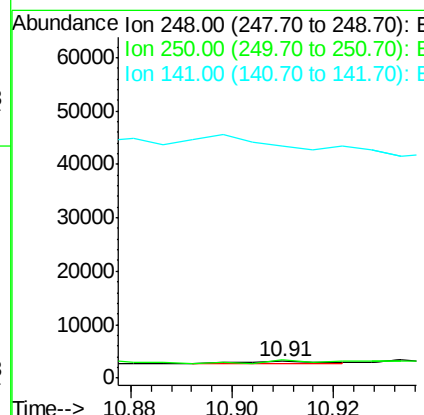
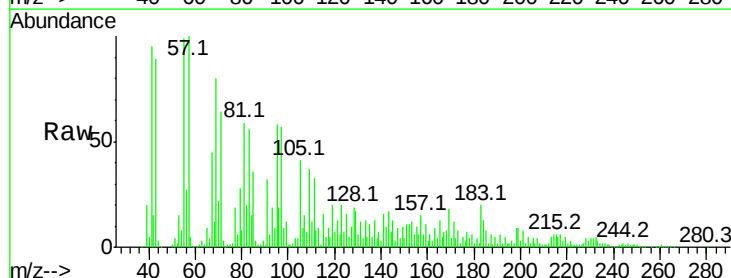
Instrument :
BNA_F
ClientSampleId :

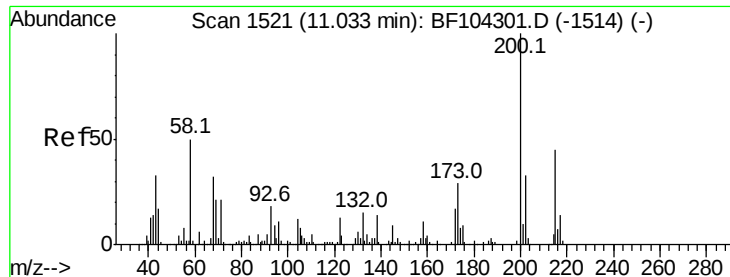
Tot Ion:169 Resp: 125743
Ion Ratio Lower Upper
169 100
168 19.0 54.4 81.6#
167 36.5 29.8 44.6



#66
4-Bromophenyl-phenylether
Concen: 5.662 ng
RT: 10.91 min Scan# 1500
Delta R.T. 0.04 min
Lab File: BF104756.D
Acq: 24 Apr 2018 15:13

Tgt Ion:248 Resp: 585
Ion Ratio Lower Upper
248 100
250 111.4 76.9 115.3
141 1390.1 74.4 111.6#





#68

Atrazine

Concen: 40.579 ng

RT: 11.07 min Scan# 1527

Delta R.T. 0.04 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

Instrument :

BNA_F

ClientSampled :

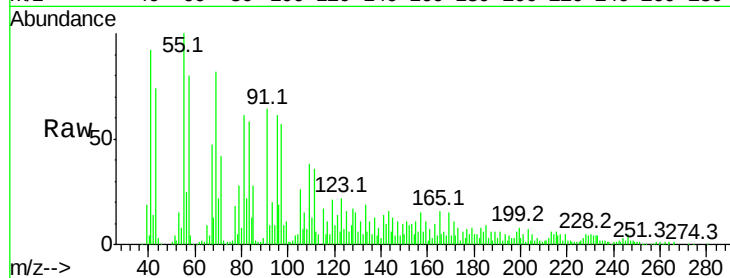
Tot Ion:200 Resp: 4125

Ion Ratio Lower Upper

200 100

173 274.8 8.6 48.6#

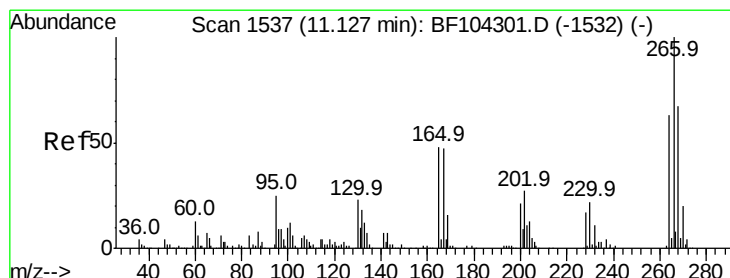
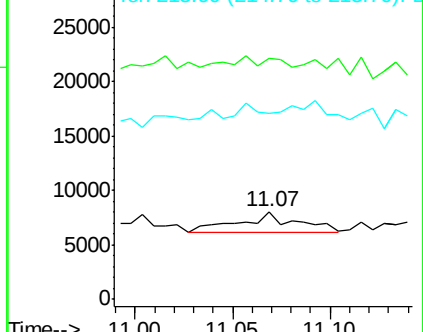
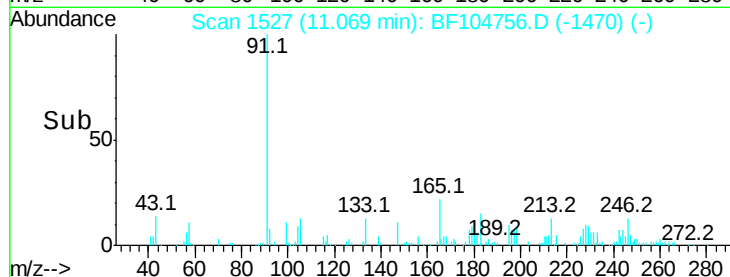
215 213.0 25.1 65.1#



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: 4.533 ng

RT: 11.22 min Scan# 1552

Delta R.T. 0.07 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

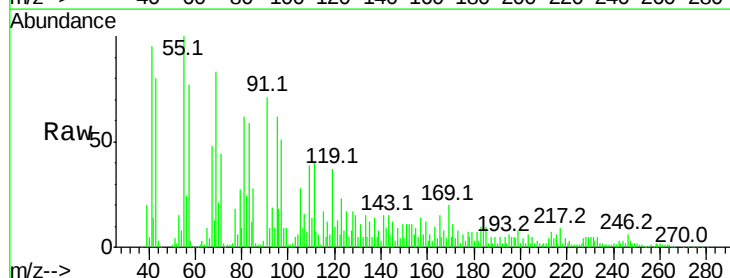
Tgt Ion:266 Resp: 326

Ion Ratio Lower Upper

266 100

268 0.0 51.1 76.7#

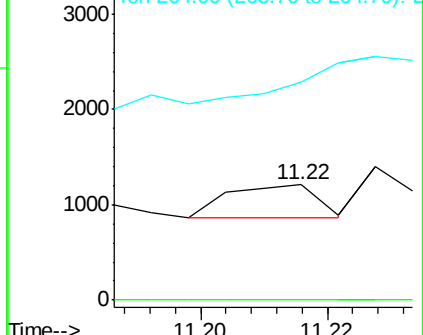
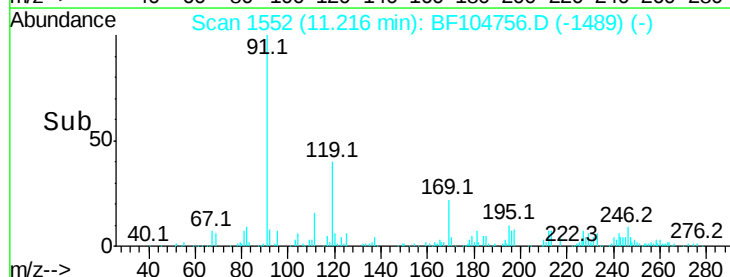
264 189.6 49.5 74.3#

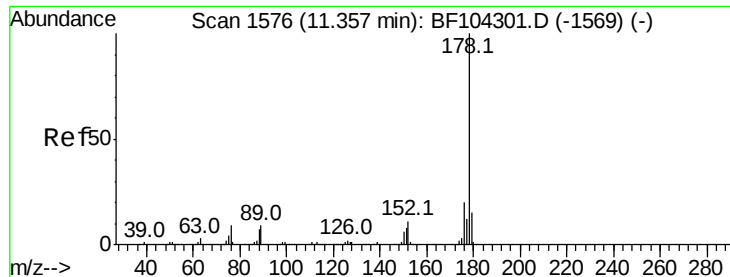


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 11.207 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.05 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

Instrument :

BNA_F

ClientSampleId :

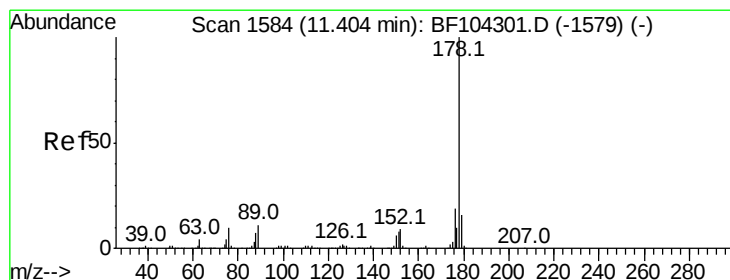
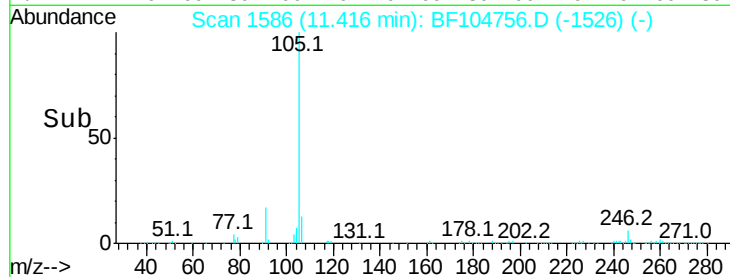
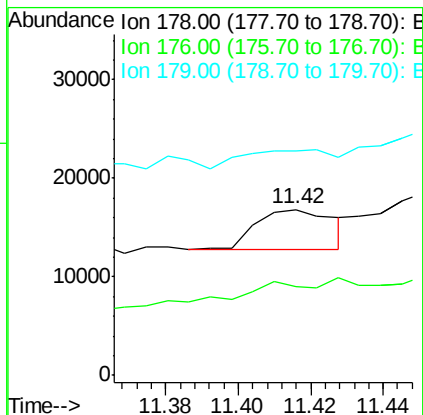
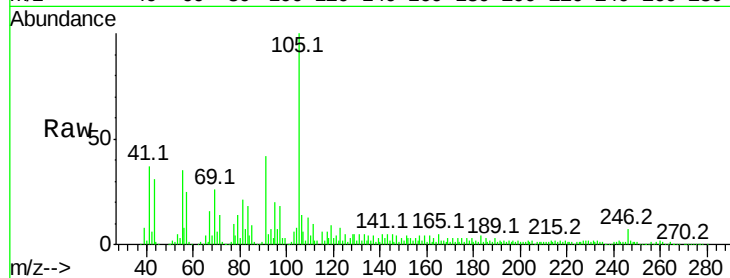
Tot Ion:178 Resp: 6062

Ion Ratio Lower Upper

178 100

176 53.6 15.8 23.8#

179 135.2 13.0 19.6#



#71

Anthracene

Concen: 22.223 ng

RT: 11.50 min Scan# 1600

Delta R.T. 0.08 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

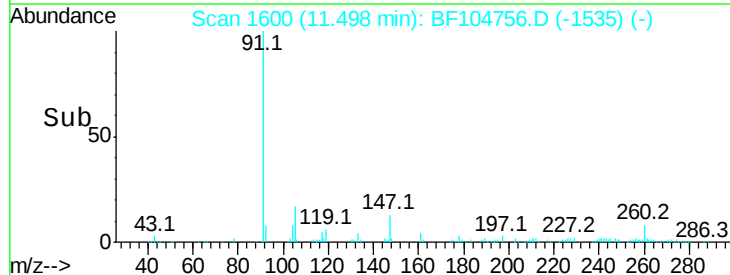
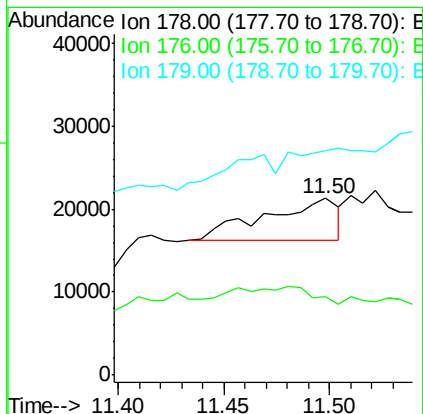
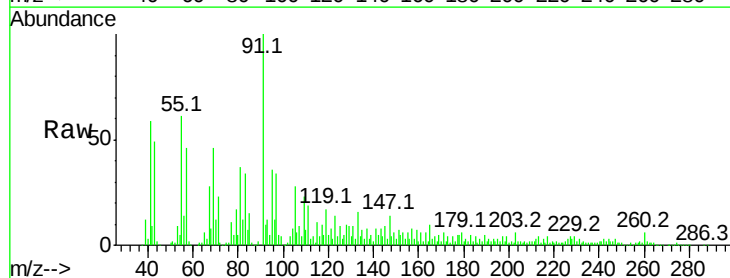
Tgt Ion:178 Resp: 12219

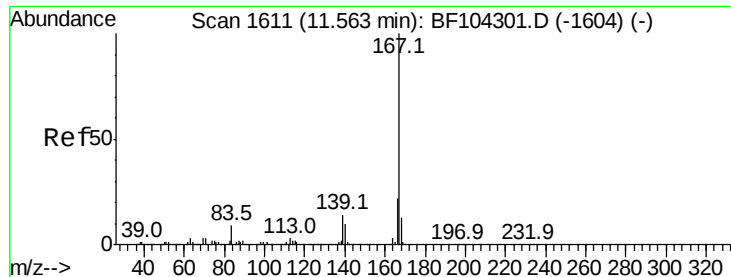
Ion Ratio Lower Upper

178 100

176 44.6 15.4 23.2#

179 127.2 12.6 19.0#





#72

Carbazole

Concen: 10.633 ng

RT: 11.74 min Scan# 1641

Delta R.T. 0.17 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

Instrument :

BNA_F

ClientSampleId :

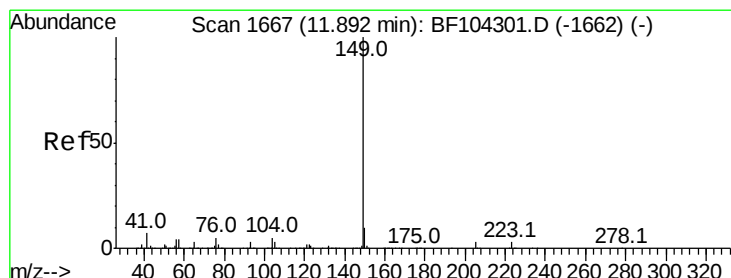
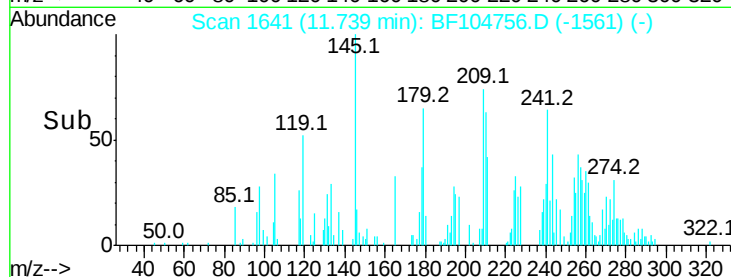
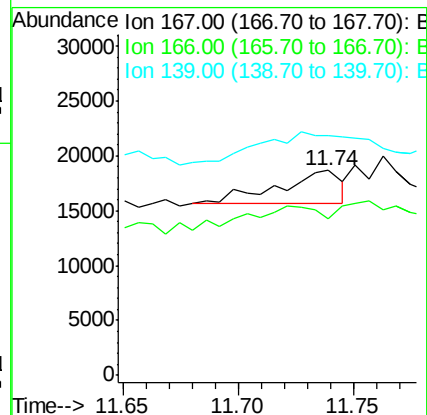
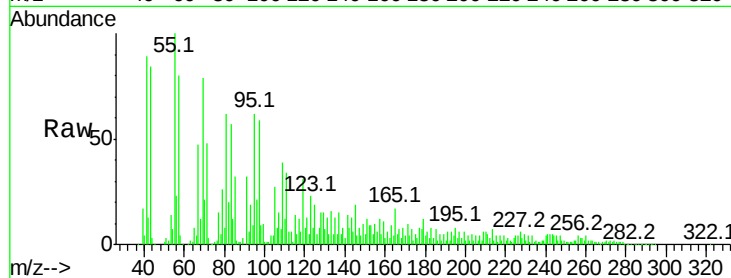
Tot Ion:167 Resp: 5713

Ion Ratio Lower Upper

167 100

166 76.6 17.6 26.4#

139 117.1 10.9 16.3#



#73

Di-n-butylphthalate

Concen: 90.902 ng

RT: 11.97 min Scan# 1680

Delta R.T. 0.08 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

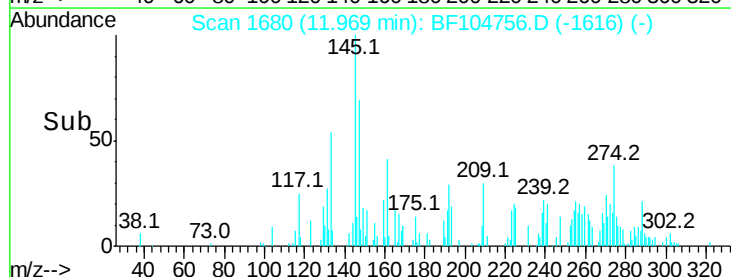
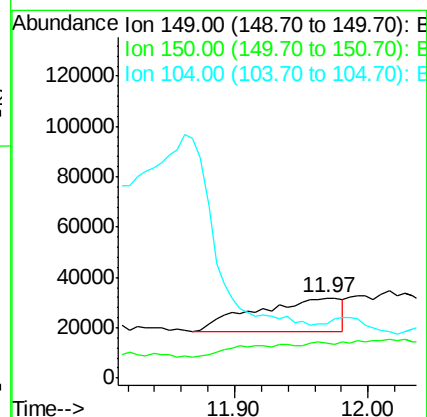
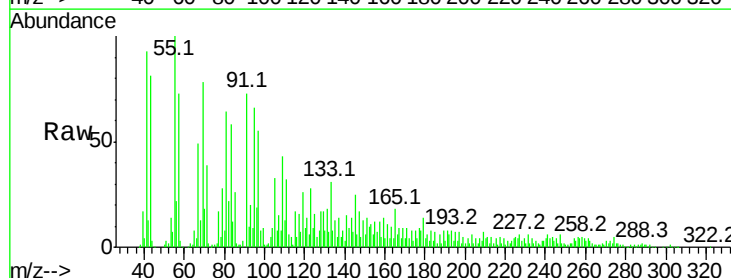
Tgt Ion:149 Resp: 59662

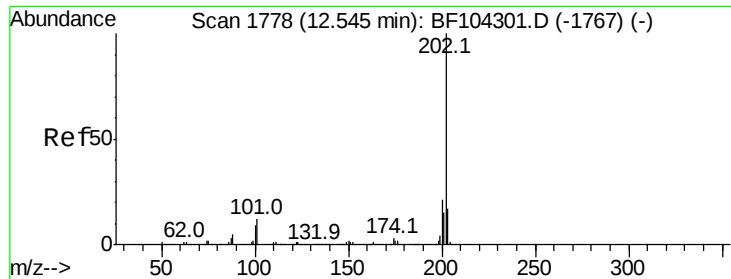
Ion Ratio Lower Upper

149 100

150 43.8 7.8 11.6#

104 68.2 3.8 5.8#





#74

Fluoranthene

Concen: 2.107 ng

RT: 12.65 min Scan# 1795

Delta R.T. 0.09 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

Instrument :

BNA_F

ClientSampleId :

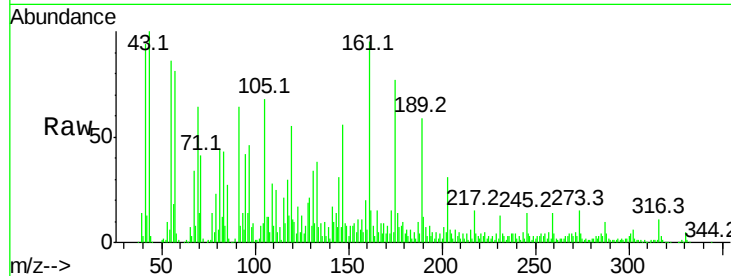
Tot Ion:202 Resp: 1191

Ion Ratio Lower Upper

202 100

101 18.9 0.0 34.1

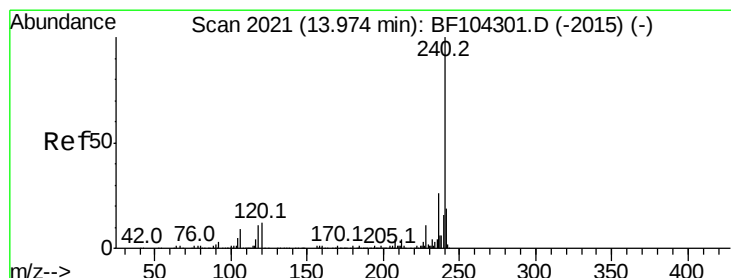
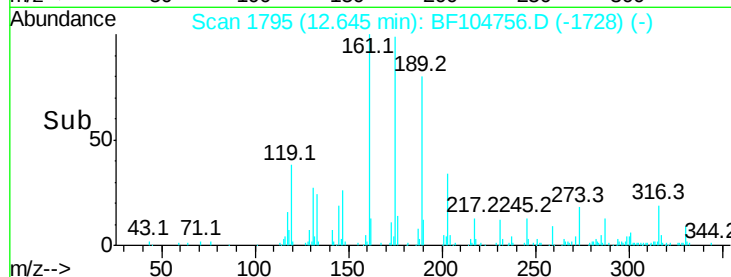
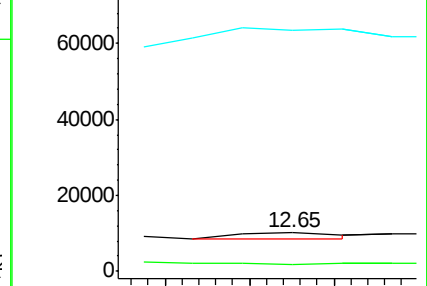
203 628.6 0.0 38.1#



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: 20.000 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.09 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

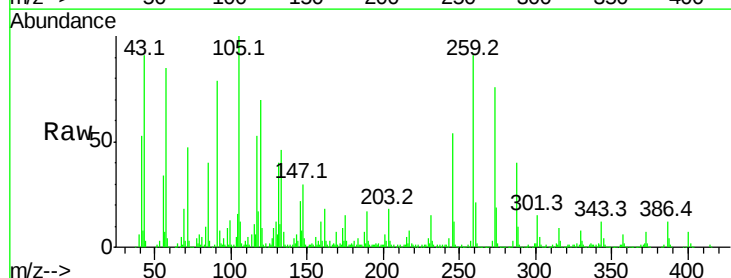
Tgt Ion:240 Resp: 4822

Ion Ratio Lower Upper

240 100

120 1323.3 9.5 14.3#

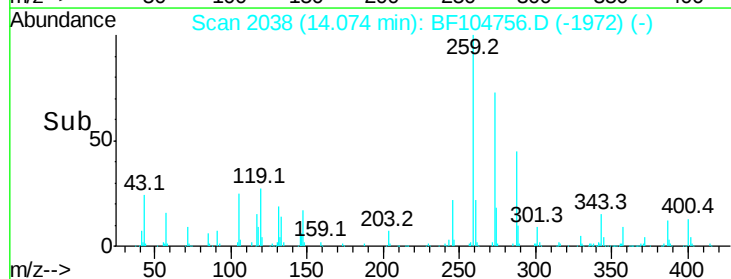
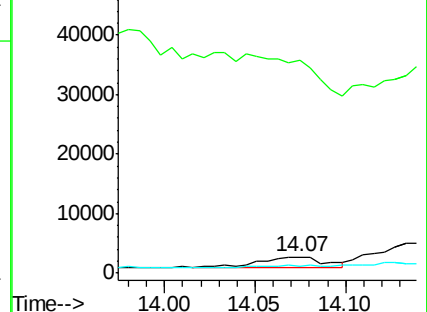
236 44.0 20.7 31.1#

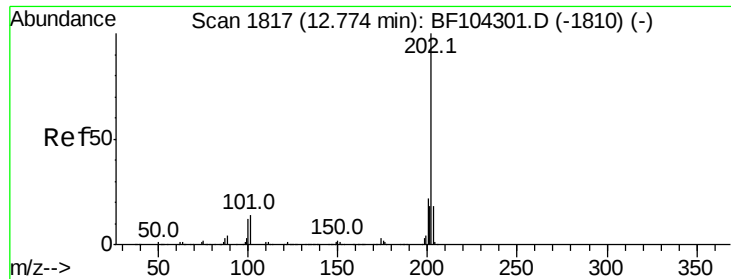


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

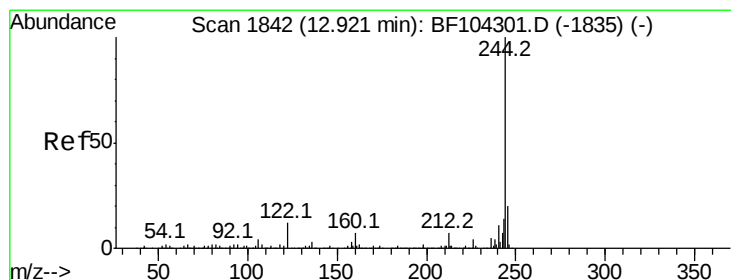
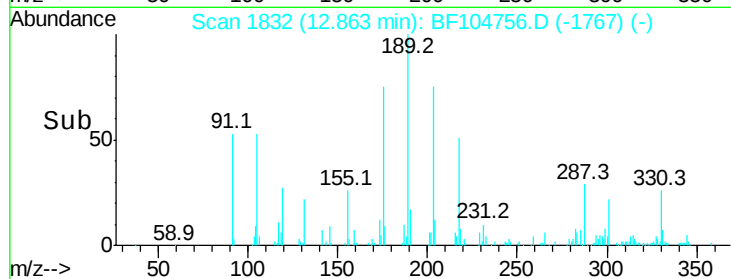
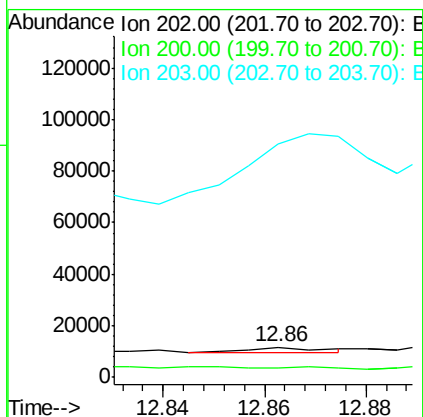
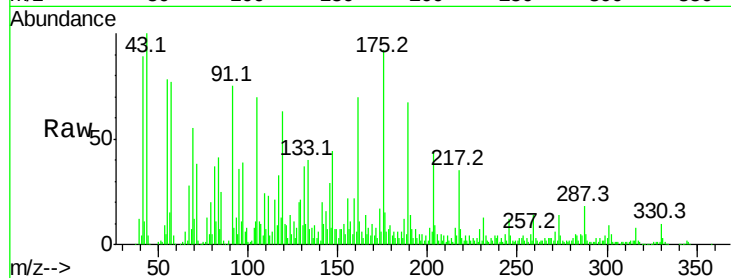




#77
Pvrene
Concen: 4.835 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.08 min
Lab File: BF104756.D
Acq: 24 Apr 2018 15:13

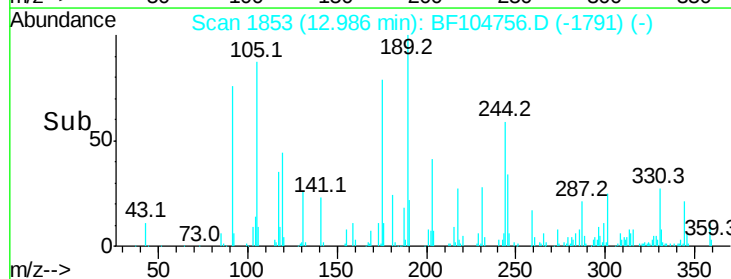
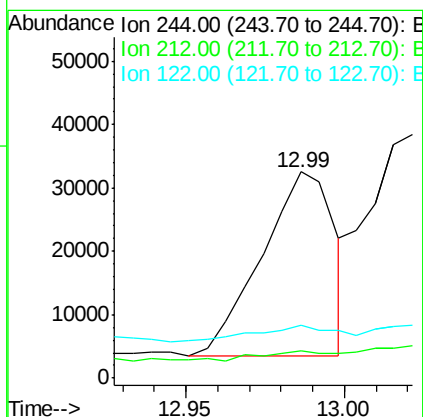
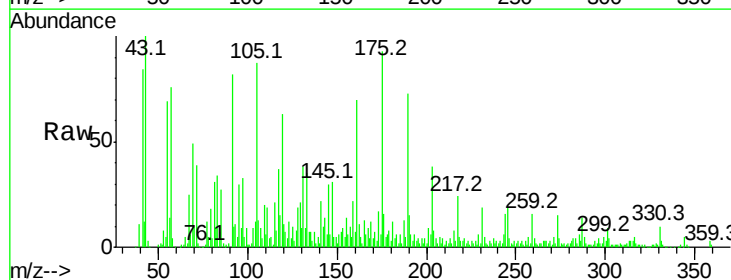
Instrument :
BNA_F
ClientSampleId :

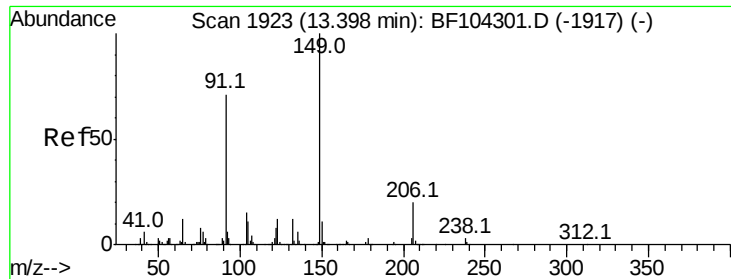
Tot Ion:202 Resp: 1728
Ion Ratio Lower Upper
202 100
200 33.3 17.4 26.2#
203 779.1 14.3 21.5#



#78
Terphenyl-d14
Concen: 219.373 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.06 min
Lab File: BF104756.D
Acq: 24 Apr 2018 15:13

Tgt Ion:244 Resp: 46399
Ion Ratio Lower Upper
244 100
212 12.9 5.4 8.0#
122 25.9 11.0 16.4#

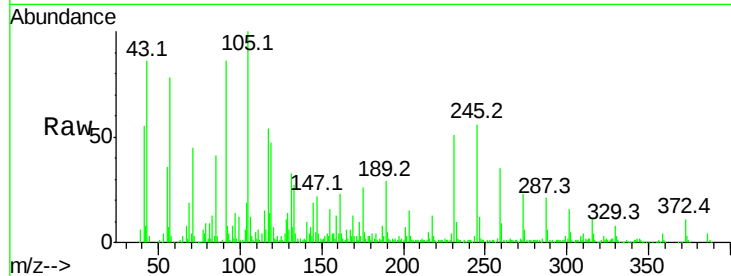




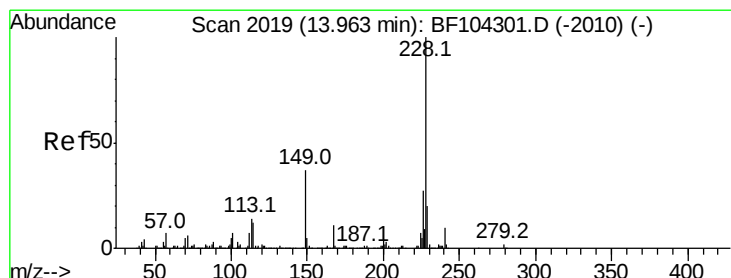
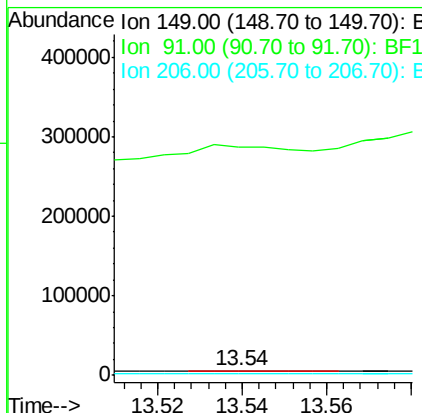
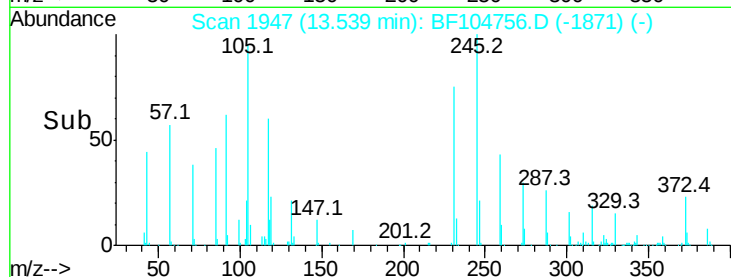
#79
Butylbenzylphthalate
Concen: 8.813 ng
RT: 13.54 min Scan# 1947
Delta R.T. 0.15 min
Lab File: BF104756.D
Acq: 24 Apr 2018 15:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 1484
Ion Ratio Lower Upper
149 100
91 4772.6 56.8 85.2#
206 48.4 14.1 21.1#

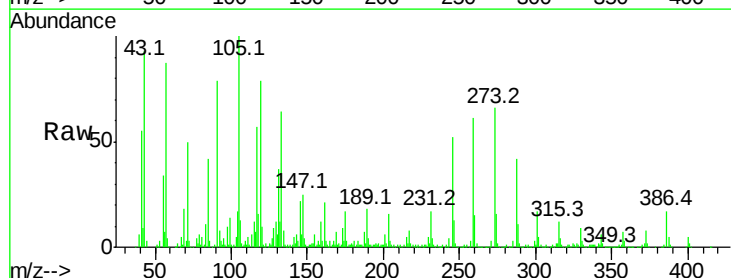


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E

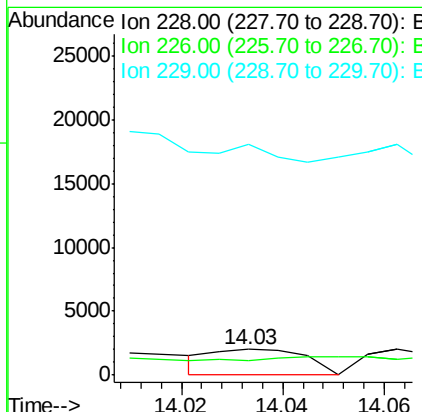
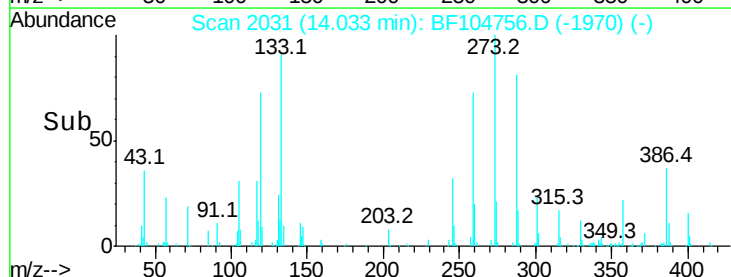


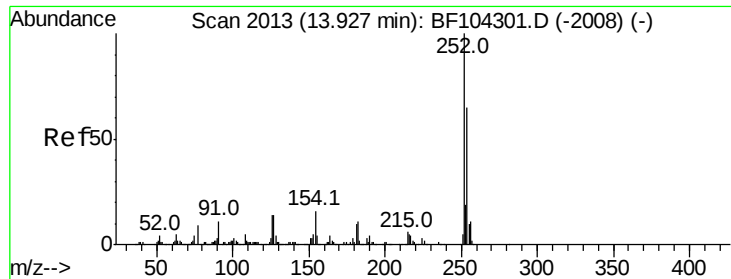
#80
Benzo(a)anthracene
Concen: 9.050 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.06 min
Lab File: BF104756.D
Acq: 24 Apr 2018 15:13

Tgt Ion:228 Resp: 2607
Ion Ratio Lower Upper
228 100
226 54.8 22.6 33.8#
229 902.1 15.8 23.6#



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: 2.458 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.07 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

Instrument :

BNA_F

ClientSampleId :

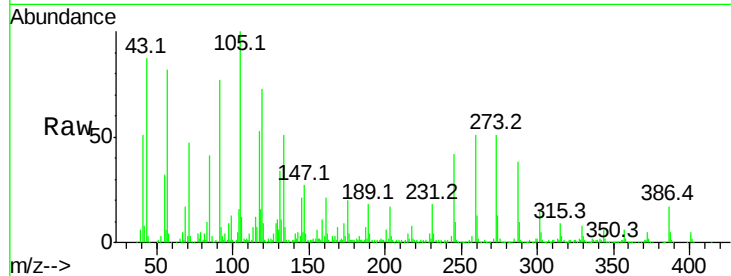
Tot Ion:252 Resp: 264

Ion Ratio Lower Upper

252 100

254 75.3 50.4 75.6

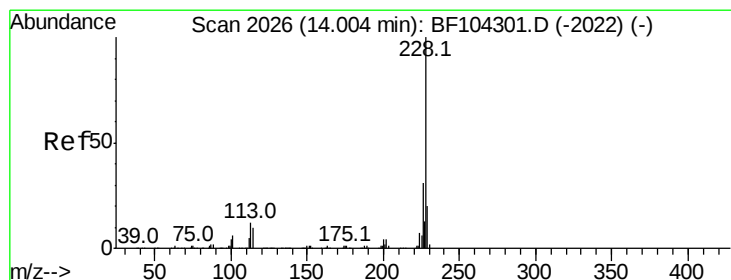
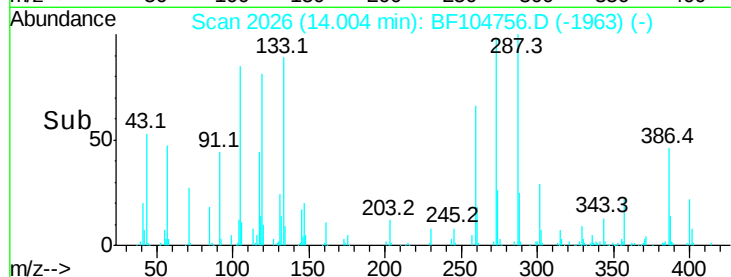
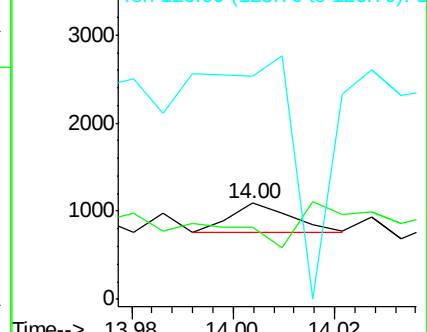
126 232.3 11.3 16.9#



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: 27.216 ng

RT: 14.09 min Scan# 2041

Delta R.T. 0.08 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

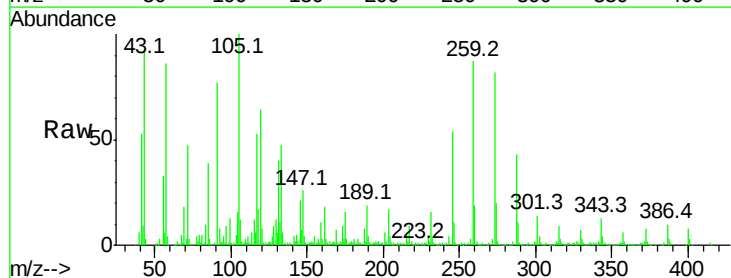
Tgt Ion:228 Resp: 8053

Ion Ratio Lower Upper

228 100

226 58.4 25.0 37.6#

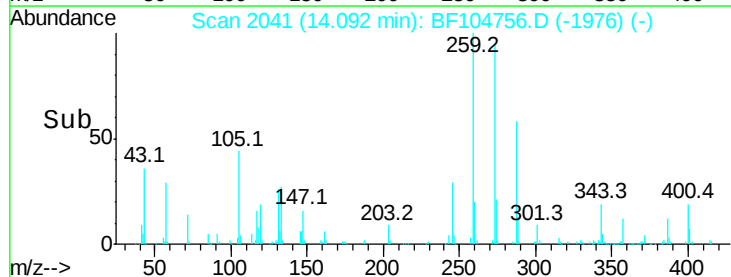
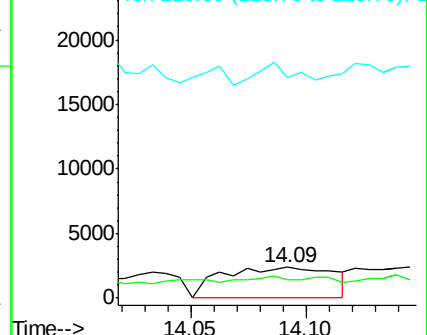
229 710.5 16.2 24.4#

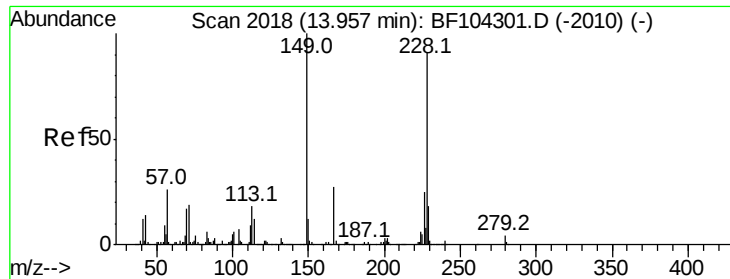


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.807 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.11 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

Instrument :

BNA_F

ClientSampleId :

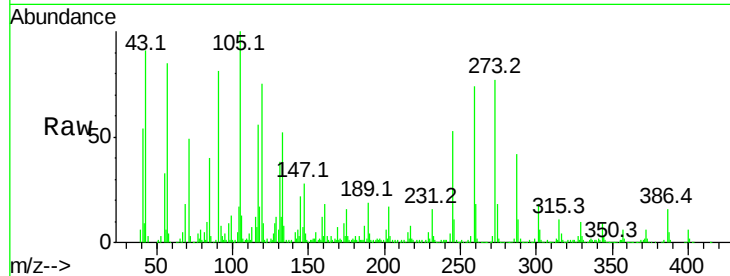
Tot Ion:149 Resp: 608

Ion Ratio Lower Upper

149 100

167 245.8 21.3 31.9#

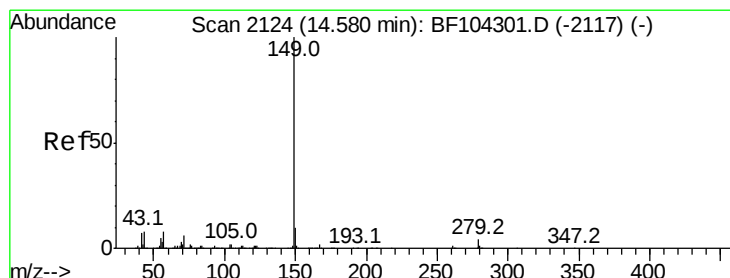
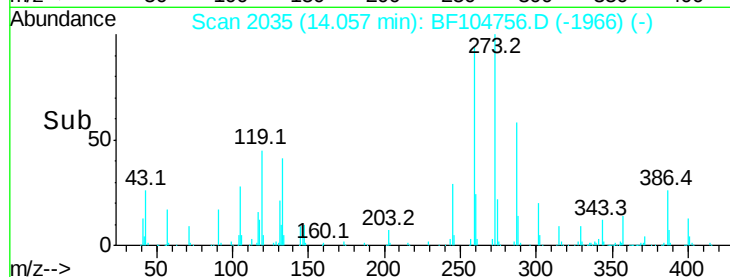
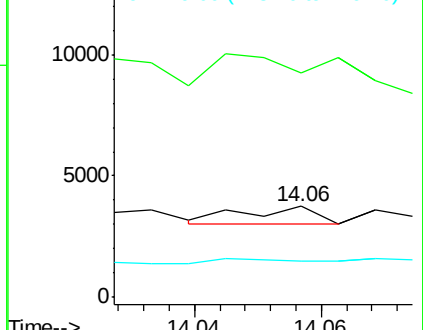
279 39.2 3.0 4.4#



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: 9.387 ng

RT: 14.66 min Scan# 2138

Delta R.T. 0.09 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

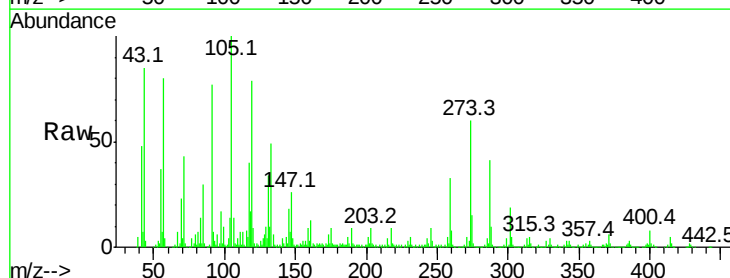
Tgt Ion:149 Resp: 3397

Ion Ratio Lower Upper

149 100

167 76.5 1.2 1.8#

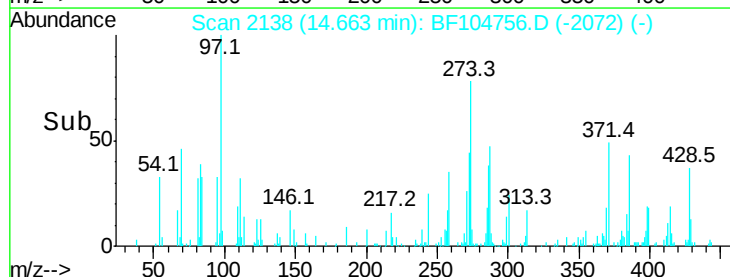
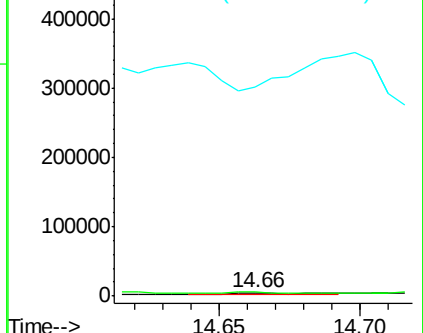
43 0.0 8.4 12.6#

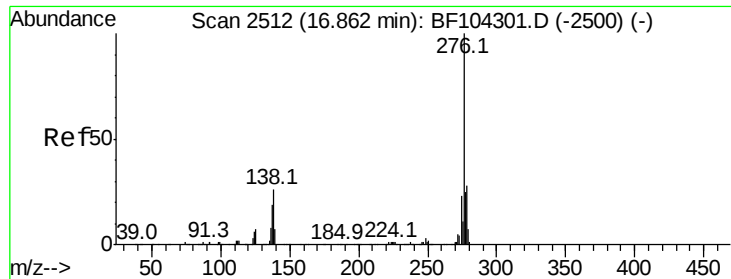


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

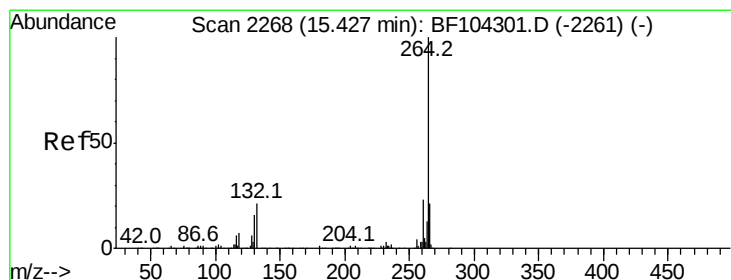
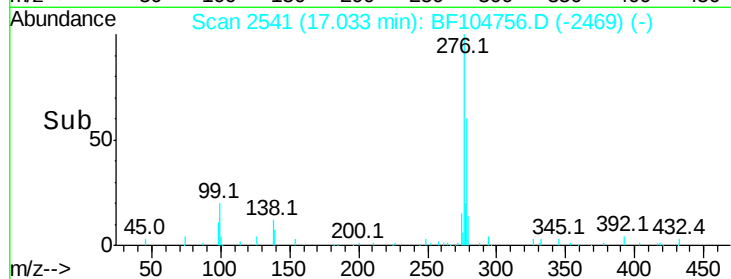
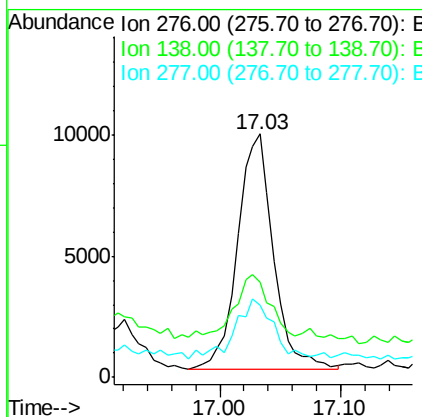
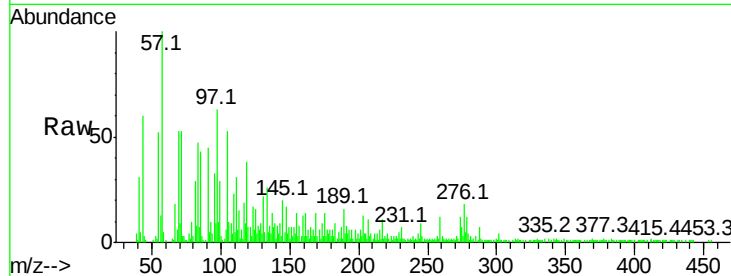




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 80.276 ng
 RT: 17.03 min Scan# 2541
 Delta R.T. 0.12 min
 Lab File: BF104756.D
 Acq: 24 Apr 2018 15:13

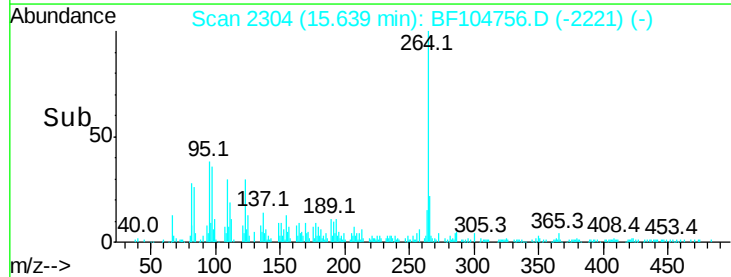
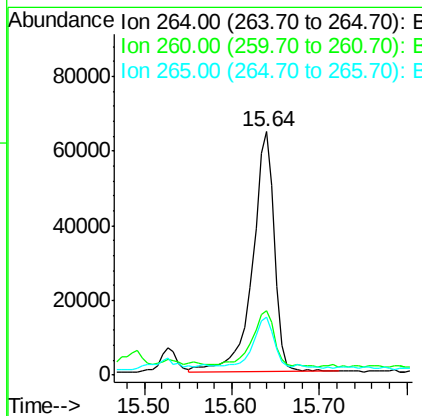
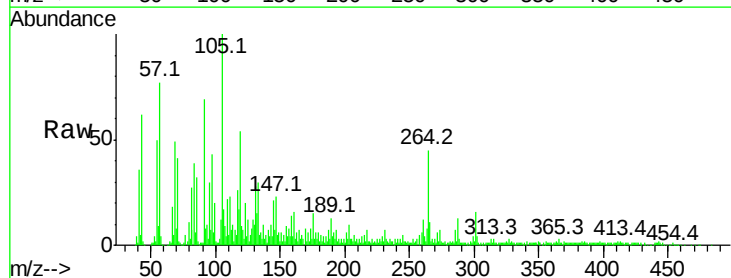
Instrument :
 BNA_F
 ClientSampleId :

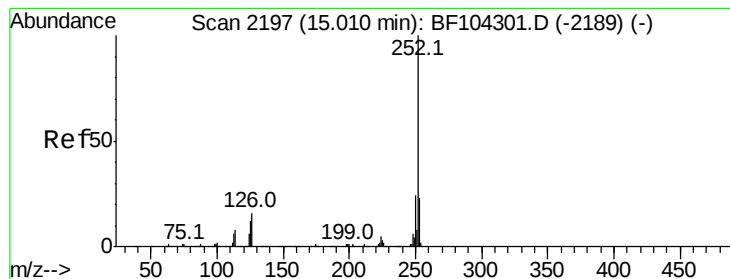
Tot Ion:276 Resp: 20178
 Ion Ratio Lower Upper
 276 100
 138 26.1 25.0 37.6
 277 28.5 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.64 min Scan# 2304
 Delta R.T. 0.19 min
 Lab File: BF104756.D
 Acq: 24 Apr 2018 15:13

Tgt Ion:264 Resp: 108892
 Ion Ratio Lower Upper
 264 100
 260 26.5 19.2 28.8
 265 24.1 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 3.654 ng

RT: 15.24 min Scan# 2236

Delta R.T. 0.21 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

Instrument :

BNA_F

ClientSampleId :

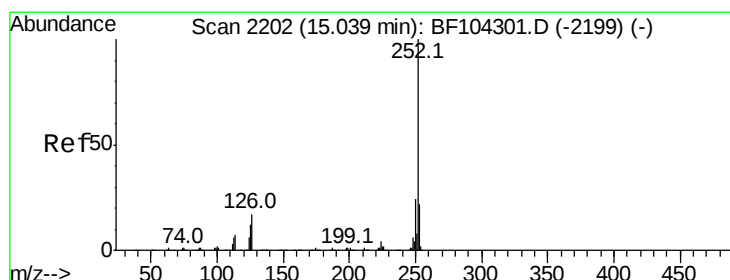
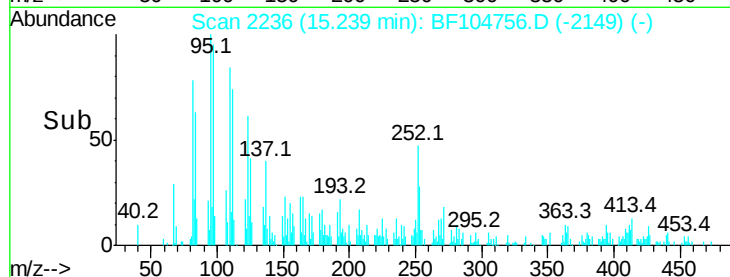
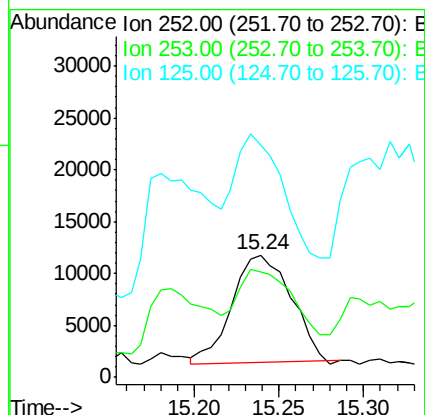
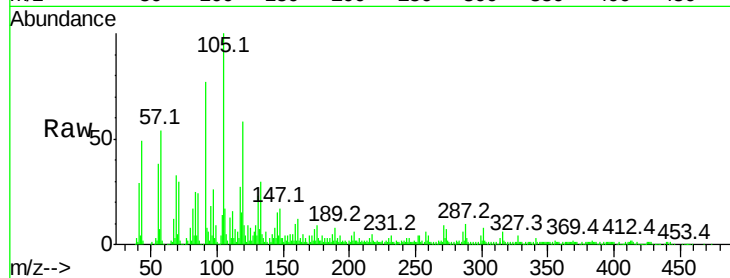
Tot Ion:252 Resp: 25127

Ion Ratio Lower Upper

252 100

253 86.6 17.0 25.6#

125 189.6 9.0 13.6#



#88

Benzo(k)fluoranthene

Concen: 3.888 ng

RT: 15.24 min Scan# 2236

Delta R.T. 0.18 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

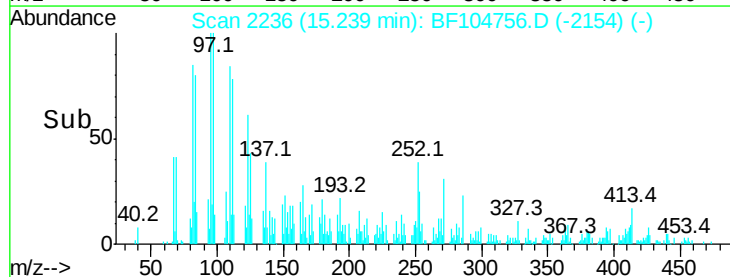
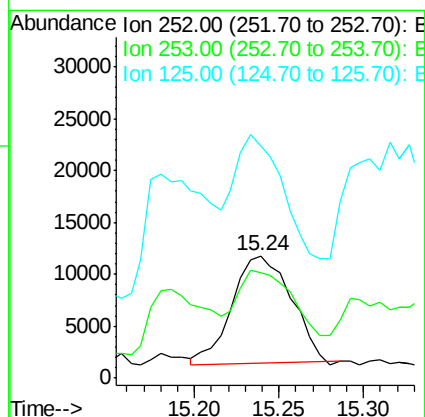
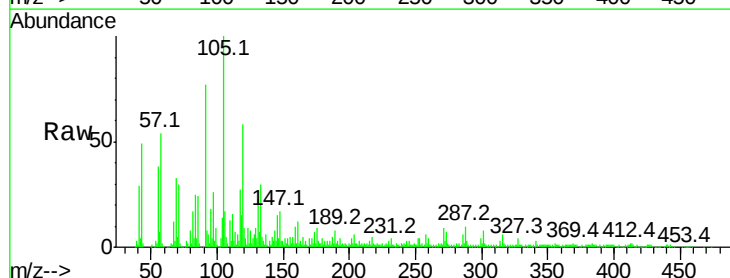
Tgt Ion:252 Resp: 25246

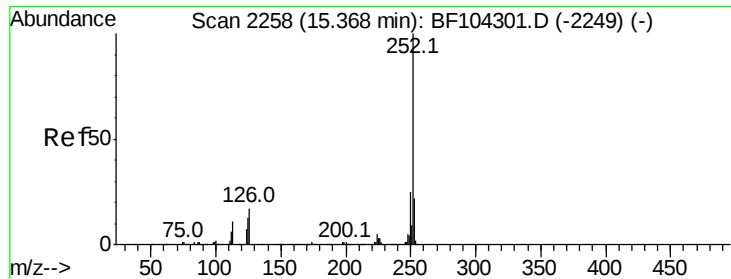
Ion Ratio Lower Upper

252 100

253 86.6 17.9 26.9#

125 189.6 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 2.856 ng

RT: 15.58 min Scan# 2294

Delta R.T. 0.19 min

Lab File: BF104756.D

Acq: 24 Apr 2018 15:13

Instrument :

BNA_F

ClientSampleId :

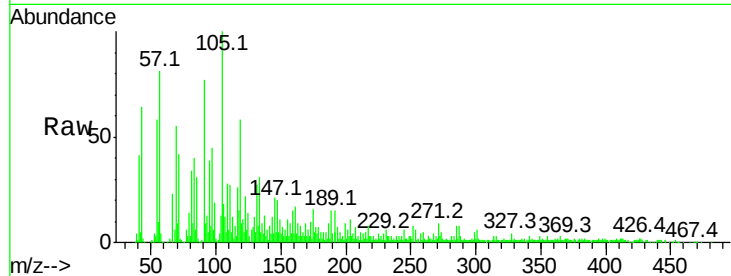
Tot Ion:252 Resp: 17574

Ion Ratio Lower Upper

252 100

253 74.5 17.1 25.7#

125 166.7 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

