

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103375.D
 Acq On : 2 Mar 2018 19:44
 Operator : SJ/JU
 Sample : J1720-17RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-36

Quant Time: Mar 02 22:07:46 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 02 13:28:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	141086	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	597485	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	247403	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	360655	20.00	ng	0.00
75) Chrysene-d12	14.06	240	232463	20.00	ng	0.00
86) Perylene-d12	15.57	264	203356	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	990582	106.19	ng	0.00
7) Phenol-d6	6.52	99	1178162	103.21	ng	0.00
23) Nitrobenzene-d5	7.44	82	791500	75.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	183117	87.44	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1053846	70.41	ng	0.00
78) Terphenyl-d14	12.99	244	665369	68.80	ng	0.00

Target Compounds

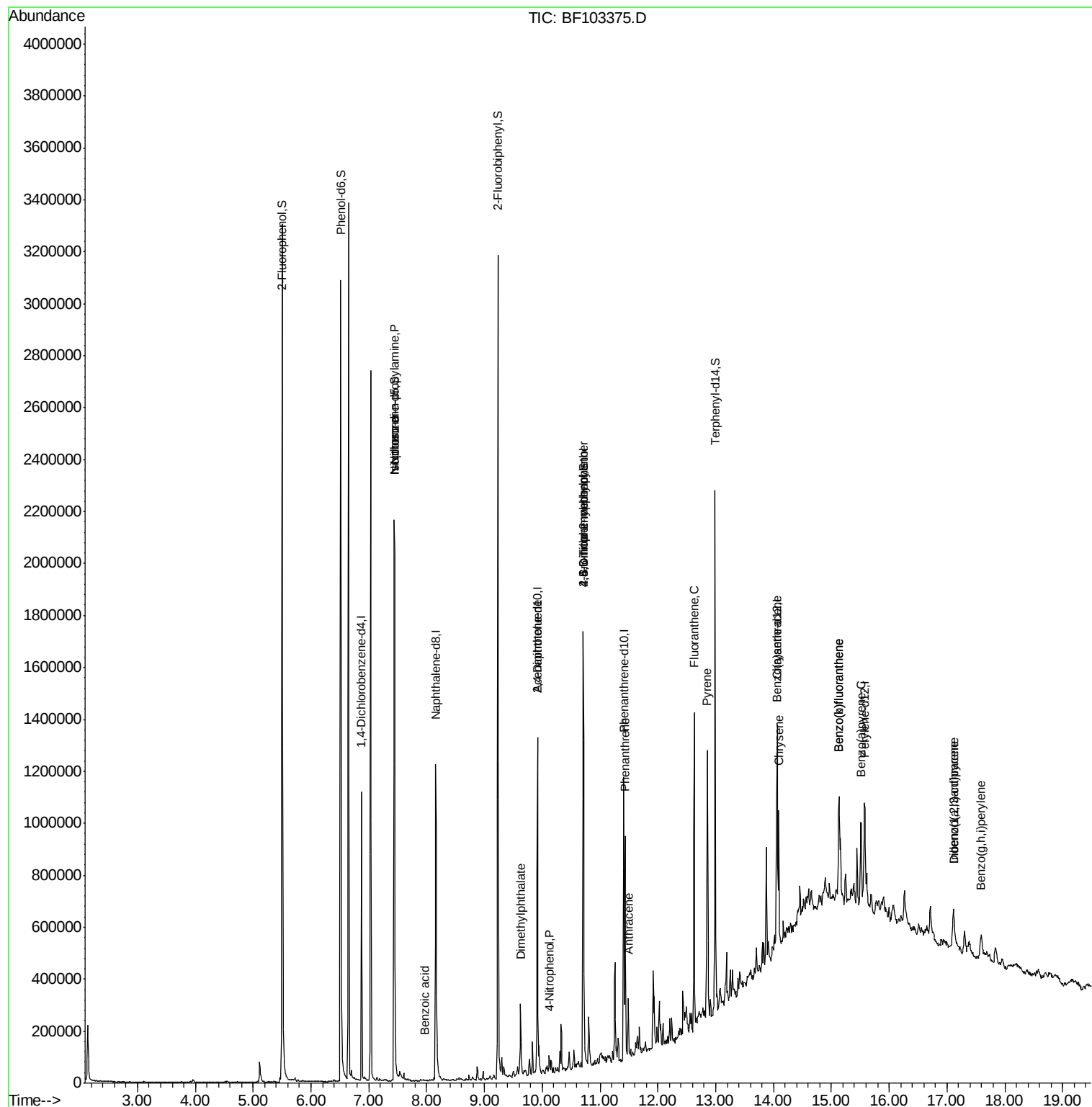
						Qvalue
9) Benzaldehyde	6.45	77	812	Below Cal	#	77
19) n-Nitroso-di-n-propylamine	7.44	70	107969	15.198 ng	#	85
25) Isophorone	7.44	82	791495	38.412 ng	#	64
32) Benzoic acid	7.97	122	113	6.929 ng	#	34
49) Dimethylphthalate	9.63	163	122853	6.190 ng		99
55) 4-Nitrophenol	10.12	139	8112	2.477 ng	#	22
56) 2,4-Dinitrotoluene	9.92	165	33352	6.332 ng	#	24
64) 4,6-Dinitro-2-methylphenol	10.70	198	386	5.103 ng	#	1
66) 4-Bromophenyl-phenylether	10.71	248	12370	3.293 ng	#	1
70) Phenanthrene	11.43	178	282777	14.247 ng		98
71) Anthracene	11.49	178	83908	4.123 ng		100
74) Fluoranthene	12.63	202	463167	23.222 ng		98
77) Pvrene	12.86	202	432356	23.855 ng		100
80) Benzo(a)anthracene	14.05	228	222717	14.766 ng		98
82) Chrysene	14.09	228	211709	14.456 ng		98
85) Indeno(1,2,3-cd)pyrene	17.12	276	81481	7.028 ng		95
87) Benzo(b)fluoranthene	15.13	252	325291	24.329 ng	#	91
88) Benzo(k)fluoranthene	15.13	252	325291	25.836 ng	#	94
89) Benzo(a)pvrene	15.52	252	165590	13.869 ng	#	92
90) Dibenzo(a,h)anthracene	17.12	278	21748	2.357 ng	#	60
91) Benzo(g,h,i)perylene	17.59	276	77061	8.546 ng	#	89

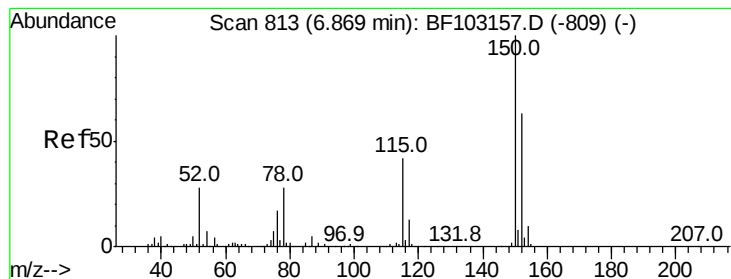
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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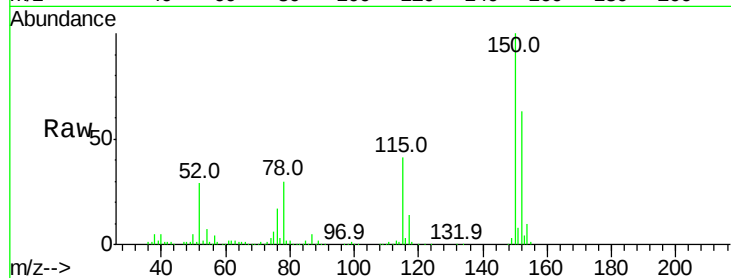


#1

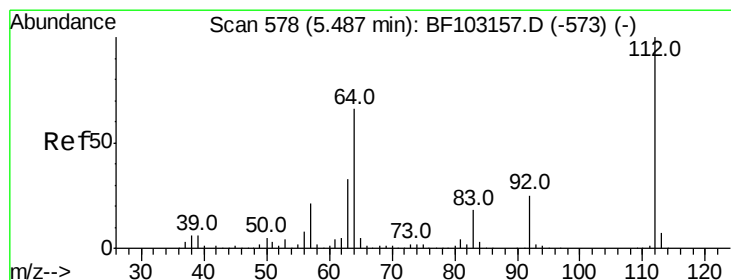
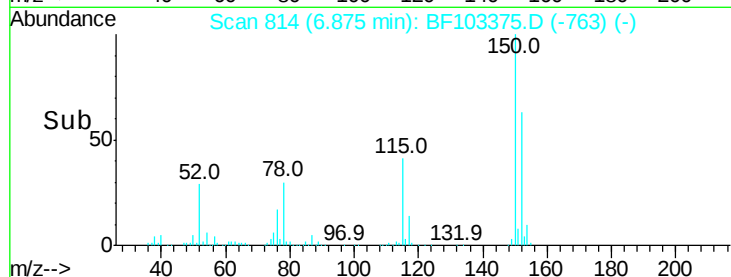
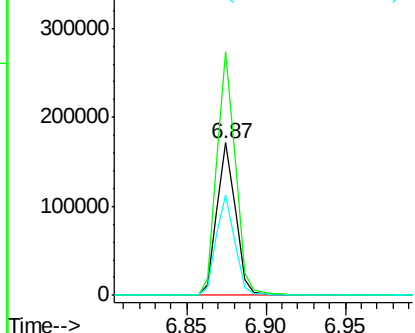
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103375.D
Acq: 2 Mar 2018 19:44

Instrument :
BNA_F
ClientSampled :
SP-36

Tot Ion:152 Resp: 141086
Ion Ratio Lower Upper
152 100
150 159.6 124.6 186.8
115 65.9 50.1 75.1



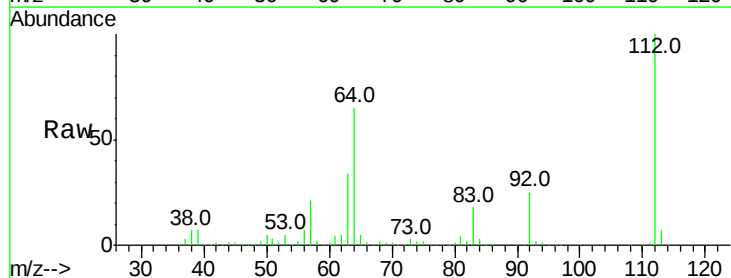
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



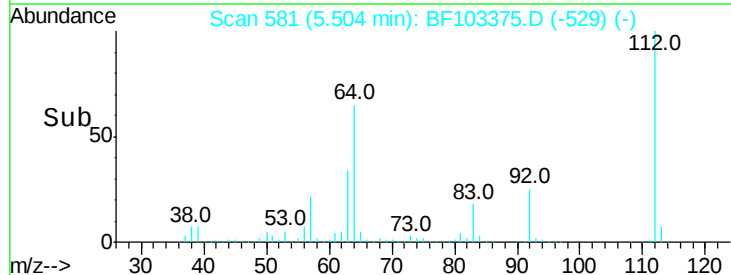
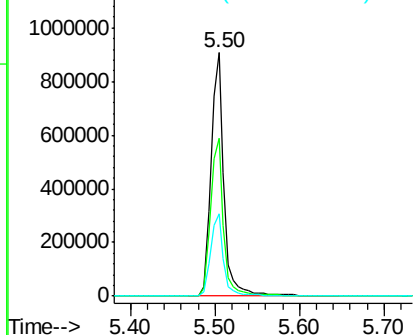
#5

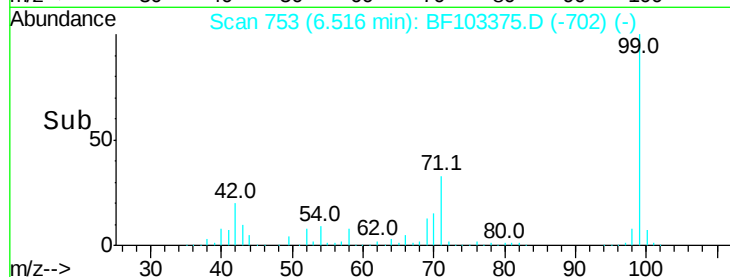
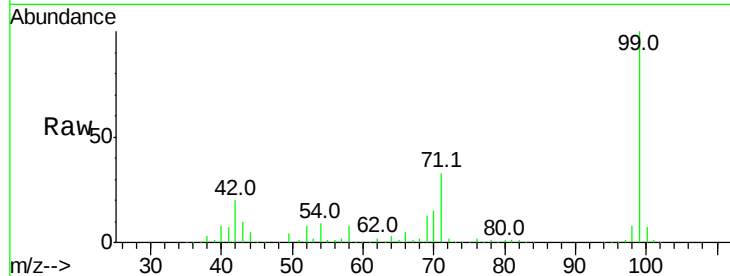
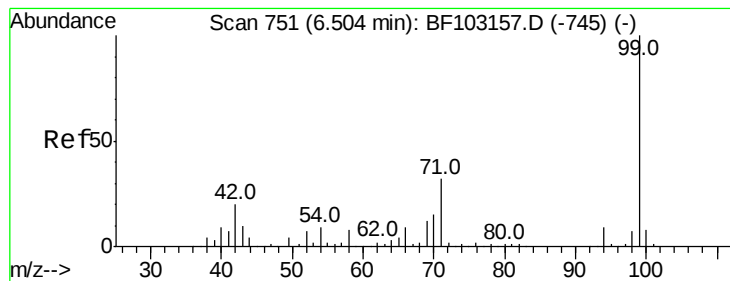
2-Fluorophenol
Concen: 106.189 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103375.D
Acq: 2 Mar 2018 19:44

Tgt Ion:112 Resp: 990582
Ion Ratio Lower Upper
112 100
64 65.0 47.9 71.9
63 34.1 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: 103.214 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF103375.D

Acq: 2 Mar 2018 19:44

Instrument :

BNA_F

ClientSampleId :

SP-36

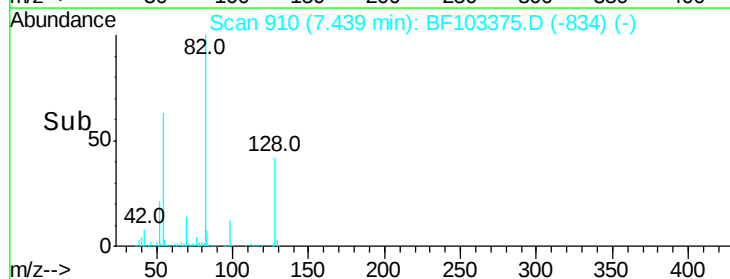
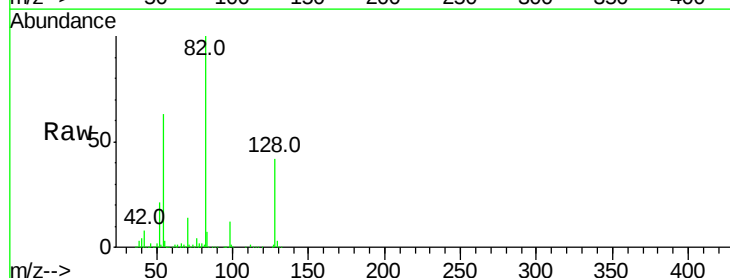
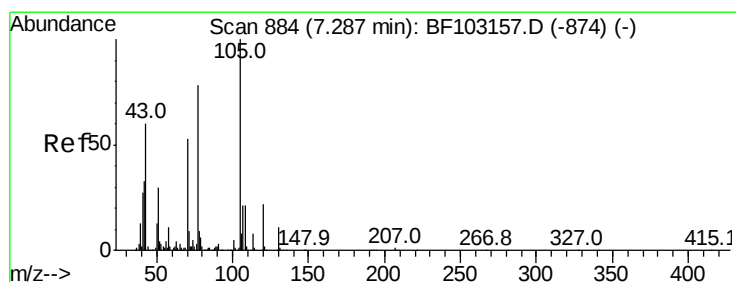
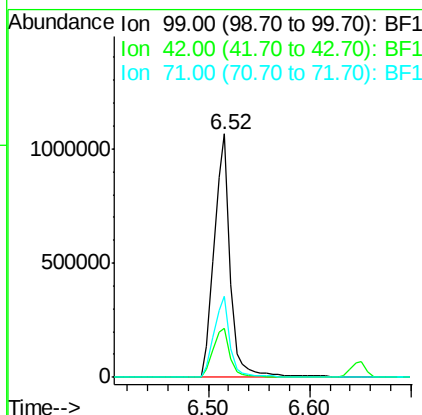
Tot Ion: 99 Resp: 1178162

Ion Ratio Lower Upper

99 100

42 20.4 14.5 21.7

71 33.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.198 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103375.D

Acq: 2 Mar 2018 19:44

Tgt Ion: 70 Resp: 107969

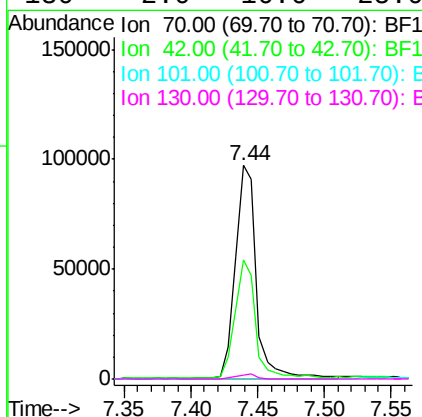
Ion Ratio Lower Upper

70 100

42 55.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

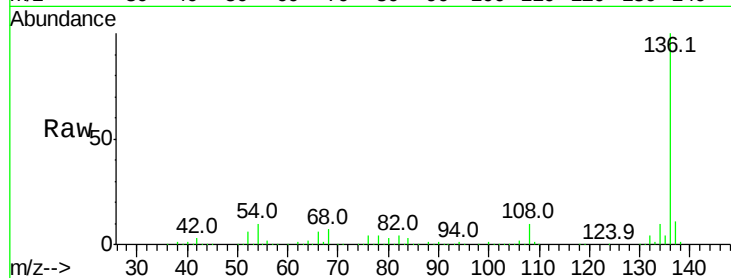




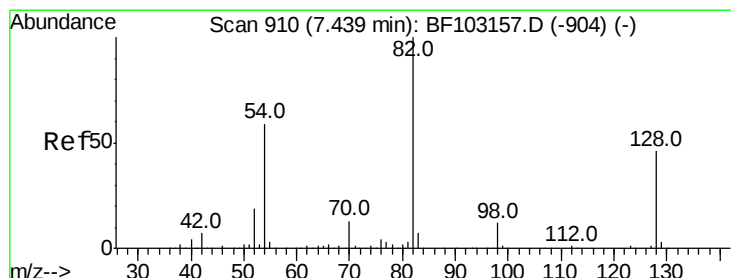
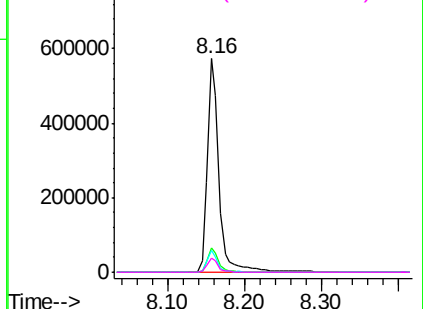
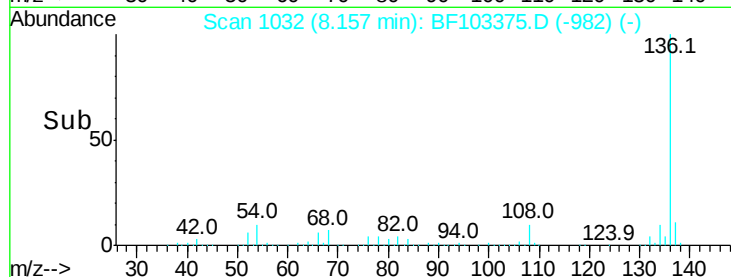
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103375.D
Acq: 2 Mar 2018 19:44

Instrument :
BNA_F
ClientSampleId :
SP-36

Tot Ion:136	Resp:	597485
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.9 13.3
54	10.1	6.6 9.8#
68	6.9	5.0 7.4

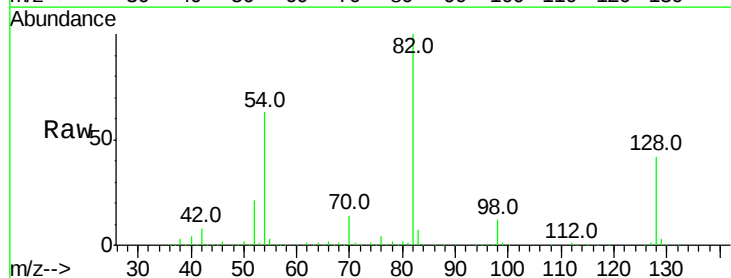


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

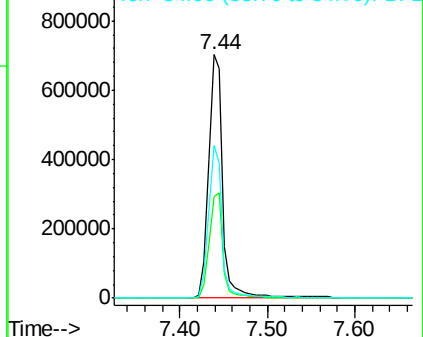
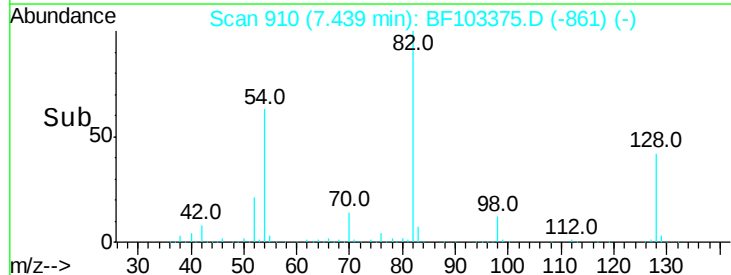


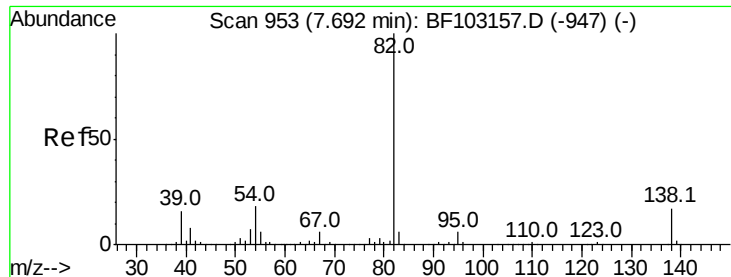
#23
Nitrobenzene-d5
Concen: 75.653 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103375.D
Acq: 2 Mar 2018 19:44

Tgt Ion: 82	Resp:	791500
Ion	Ratio	Lower Upper
82	100	
128	41.8	36.1 54.1
54	62.6	41.4 62.2#



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





#25

Isophorone

Concen: 38.412 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103375.D

Acq: 2 Mar 2018 19:44

Instrument :

BNA_F

ClientSampled :

SP-36

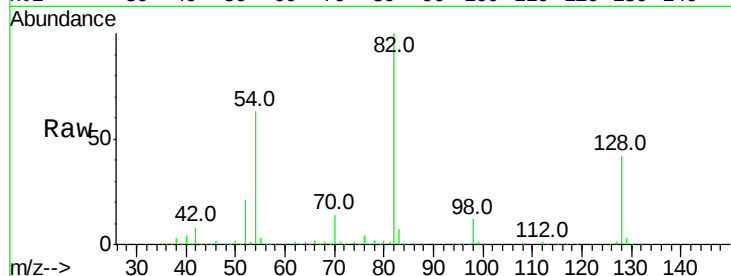
Tot Ion: 82 Resp: 791495

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

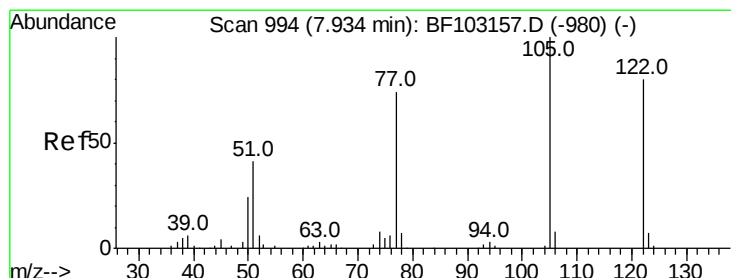
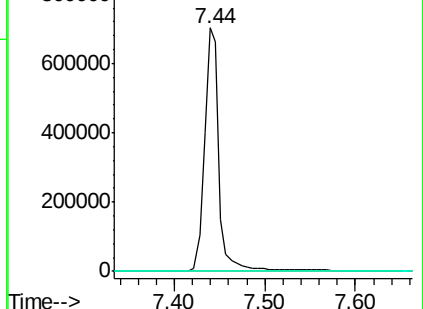
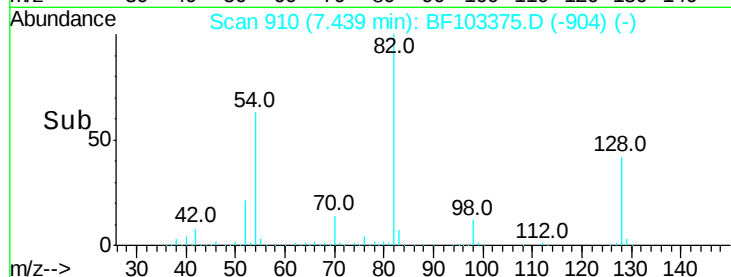
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 6.929 ng

RT: 7.97 min Scan# 1000

Delta R.T. 0.01 min

Lab File: BF103375.D

Acq: 2 Mar 2018 19:44

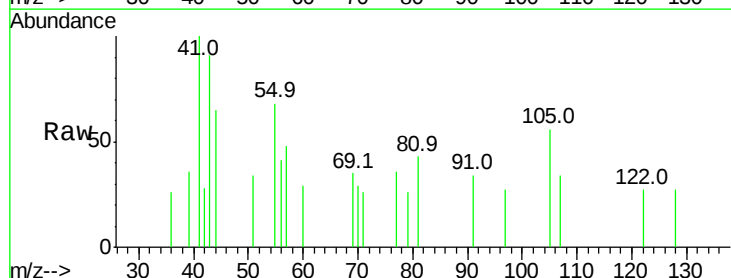
Tgt Ion:122 Resp: 113

Ion Ratio Lower Upper

122 100

105 210.9 101.1 141.1#

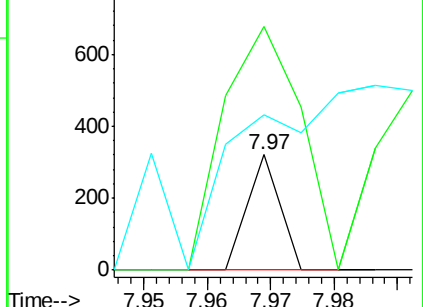
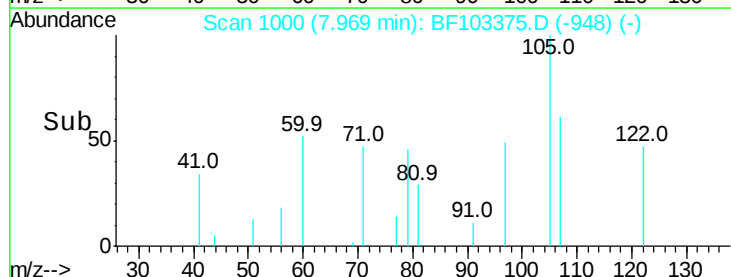
77 134.9 70.7 110.7#

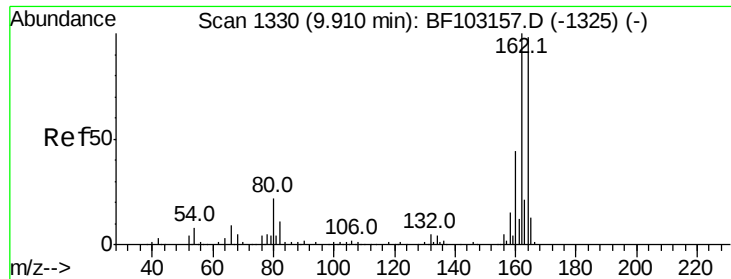


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

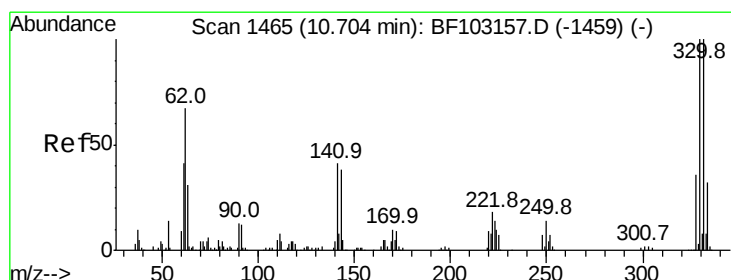
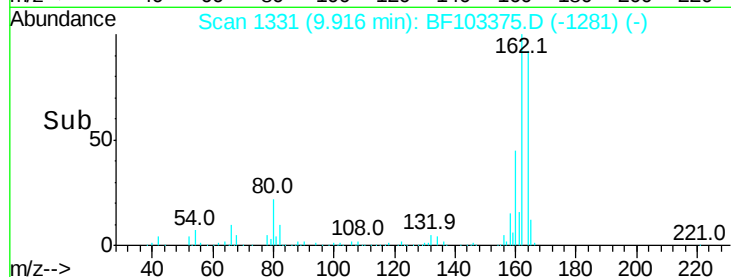
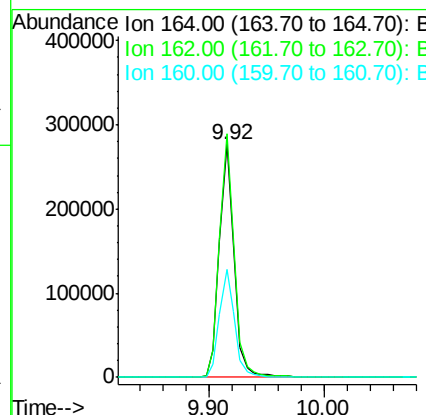
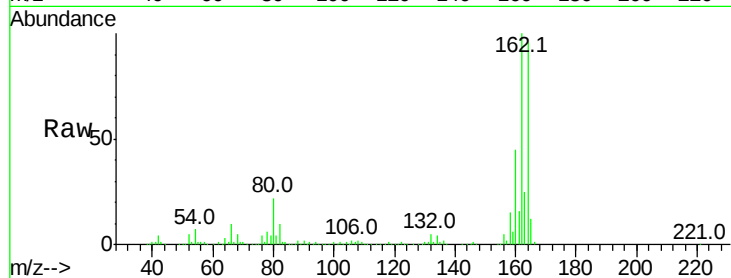




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF103375.D
 Acq: 2 Mar 2018 19:44

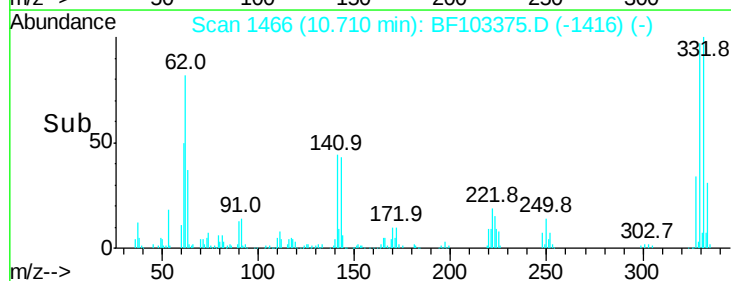
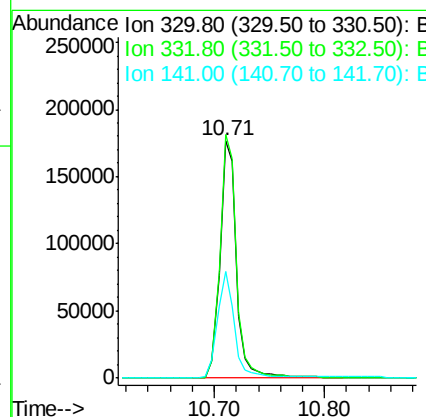
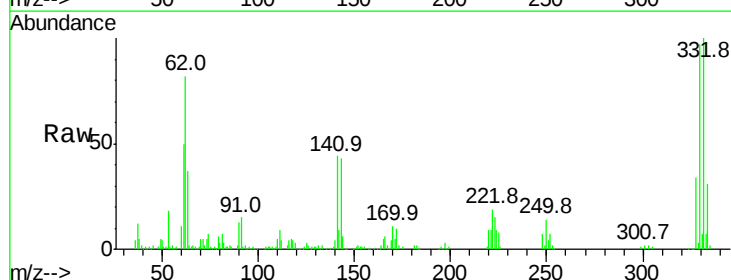
Instrument :
 BNA_F
 ClientSampleId :
 SP-36

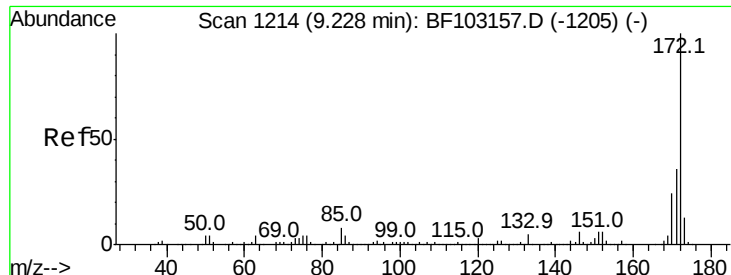
Tot Ion:164 Resp: 247403
 Ion Ratio Lower Upper
 164 100
 162 104.6 86.1 129.1
 160 46.6 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 87.443 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103375.D
 Acq: 2 Mar 2018 19:44

Tgt Ion:330 Resp: 183117
 Ion Ratio Lower Upper
 330 100
 332 102.6 77.0 115.6
 141 44.8 29.9 44.9

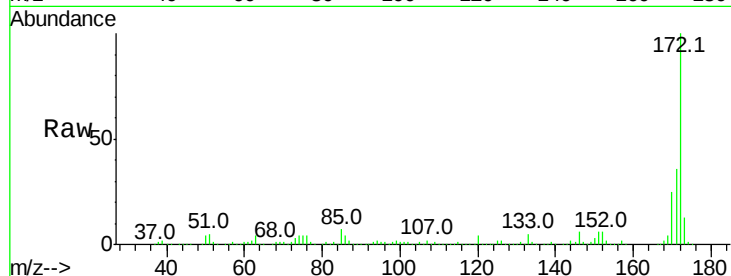




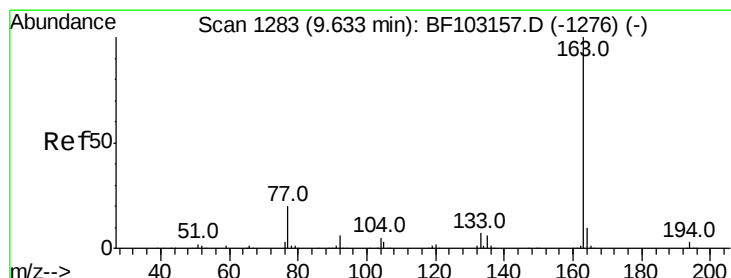
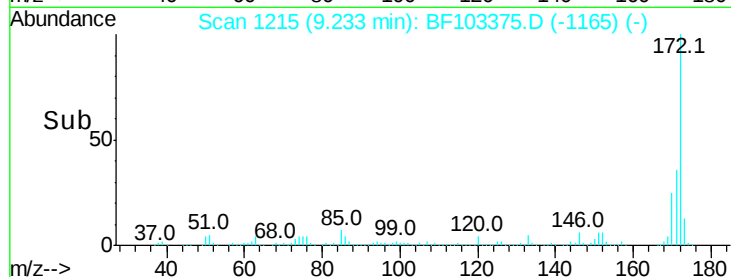
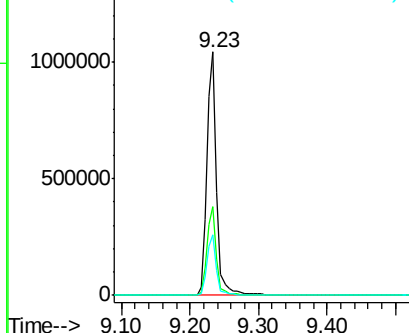
#44
2-Fluorobiphenyl
Concen: 70.408 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF103375.D
Acq: 2 Mar 2018 19:44

Instrument :
BNA_F
ClientSampleId :
SP-36

Tot Ion:172 Resp: 1053846
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 25.1 19.6 29.4

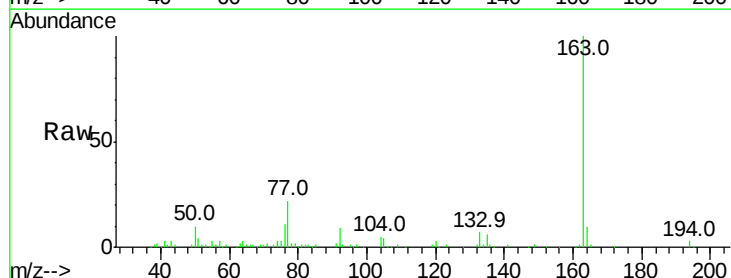


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

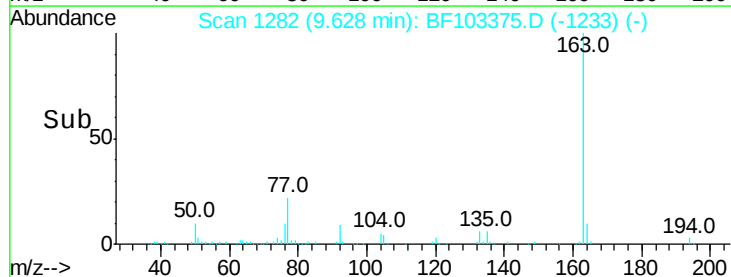
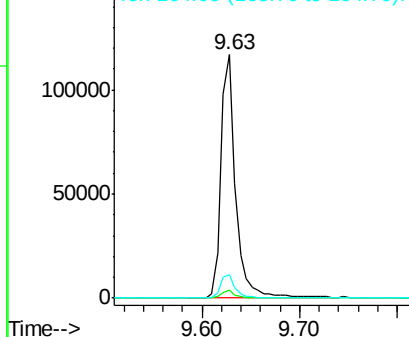


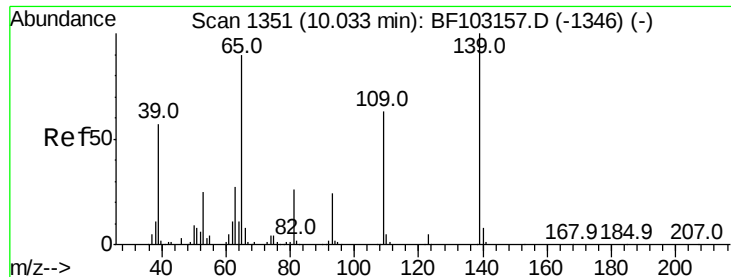
#49
Dimethylphthalate
Concen: 6.190 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF103375.D
Acq: 2 Mar 2018 19:44

Tgt Ion:163 Resp: 122853
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.7 8.2 12.2



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

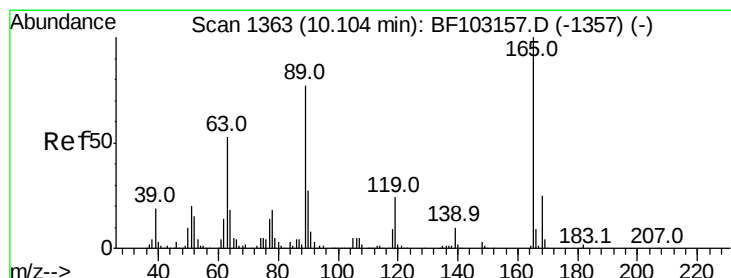
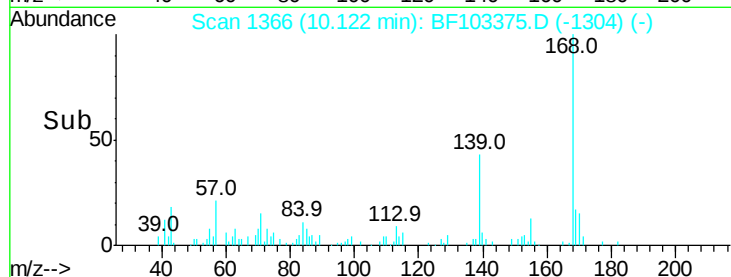
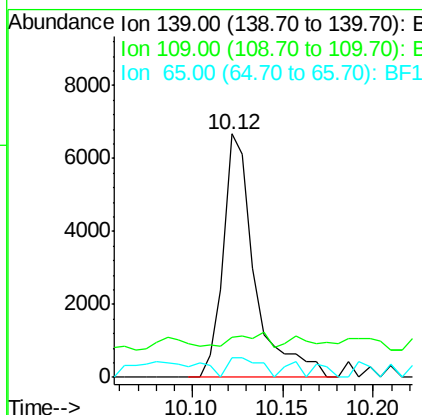
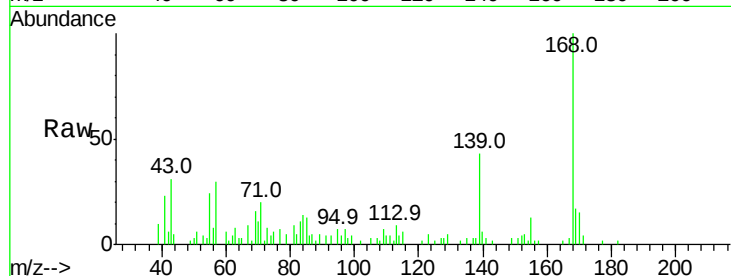




#55
4-Nitrophenol
Concen: 2.477 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.06 min
Lab File: BF103375.D
Acq: 2 Mar 2018 19:44

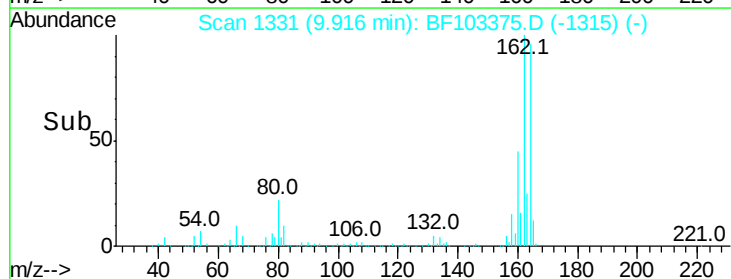
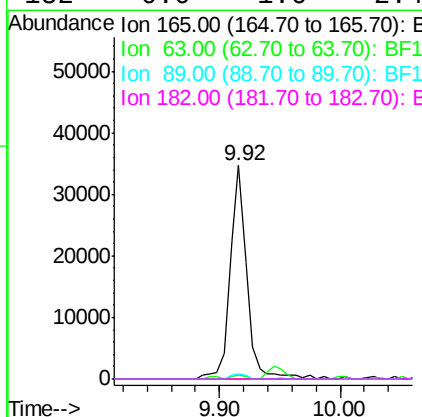
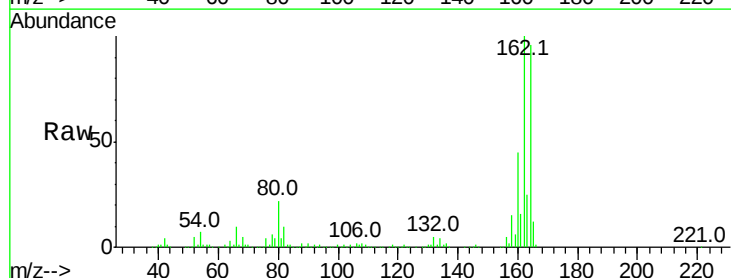
Instrument :
BNA_F
ClientSampleId :
SP-36

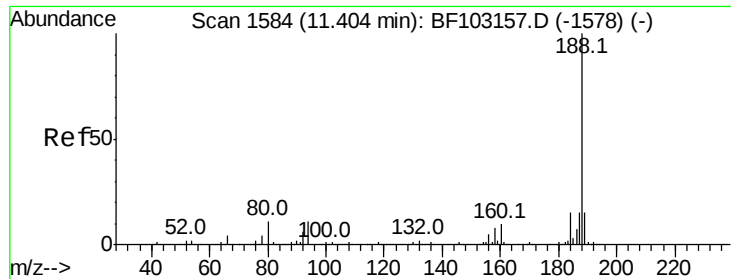
Tot Ion:139 Resp: 8112
Ion Ratio Lower Upper
139 100
109 16.7 48.4 88.4#
65 8.1 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 6.332 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.21 min
Lab File: BF103375.D
Acq: 2 Mar 2018 19:44

Tgt Ion:165 Resp: 33352
Ion Ratio Lower Upper
165 100
63 2.0 36.4 54.6#
89 2.1 57.8 86.6#
182 0.0 1.6 2.4#

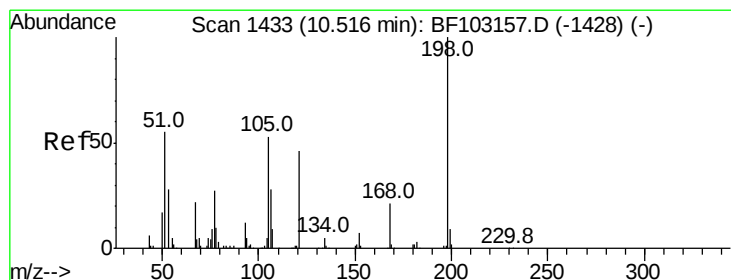
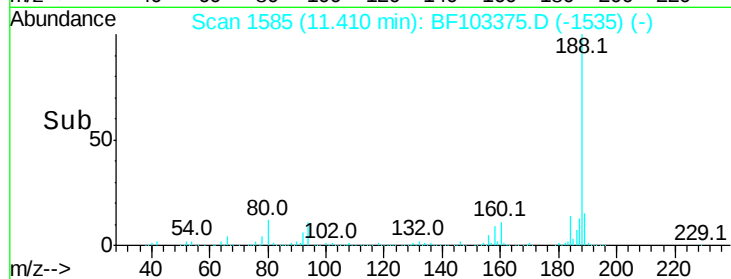
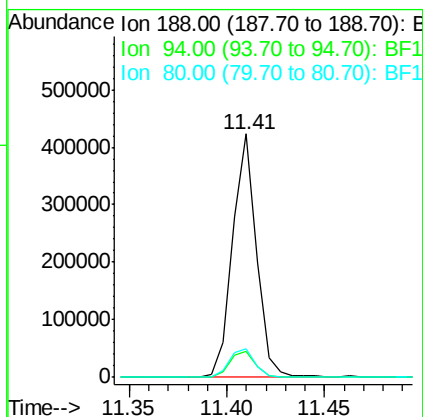
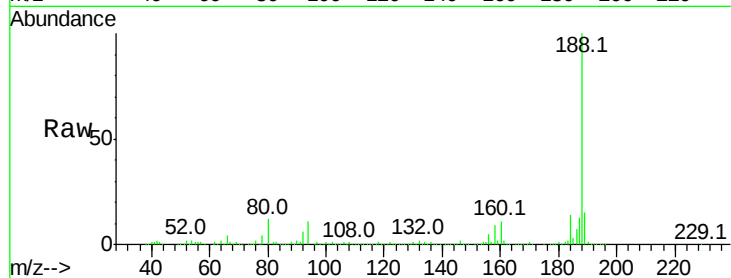




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF103375.D
 Acq: 2 Mar 2018 19:44

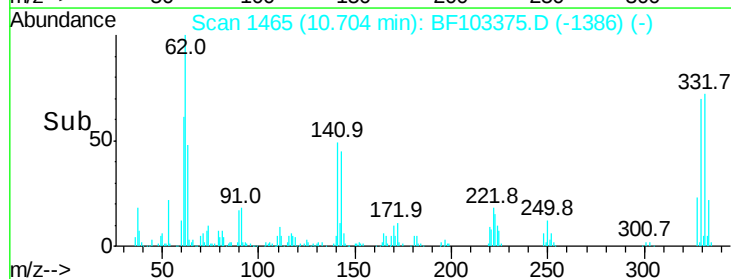
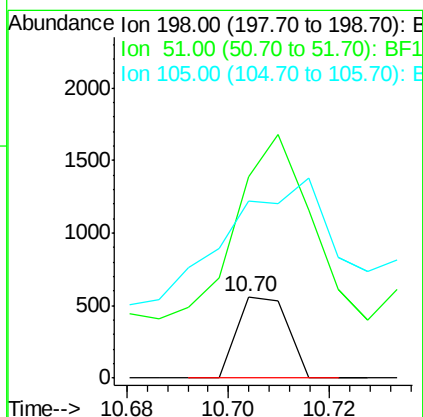
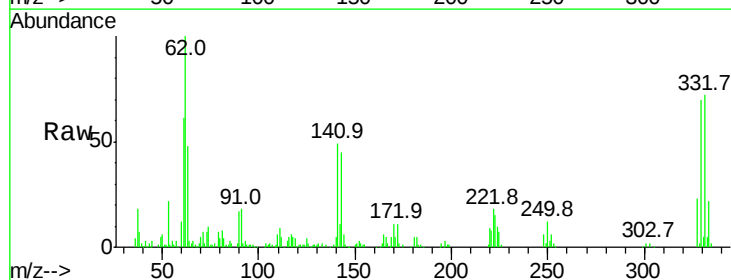
Instrument :
 BNA_F
 ClientSampled :
 SP-36

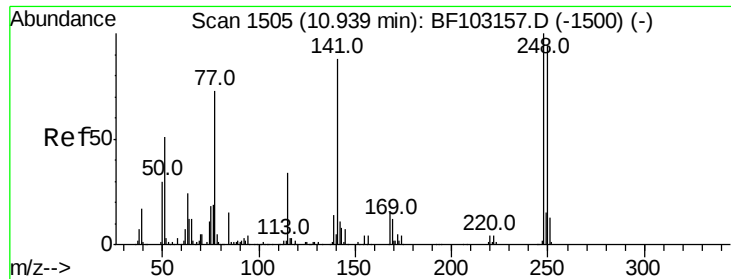
Tot Ion:188 Resp: 360655
 Ion Ratio Lower Upper
 188 100
 94 10.8 8.5 12.7
 80 11.9 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.103 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.16 min
 Lab File: BF103375.D
 Acq: 2 Mar 2018 19:44

Tgt Ion:198 Resp: 386
 Ion Ratio Lower Upper
 198 100
 51 247.6 37.7 77.7#
 105 217.9 36.3 76.3#

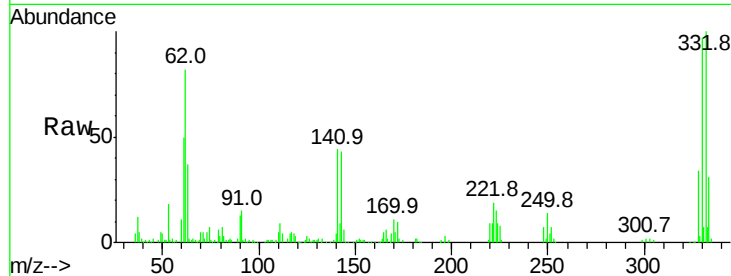




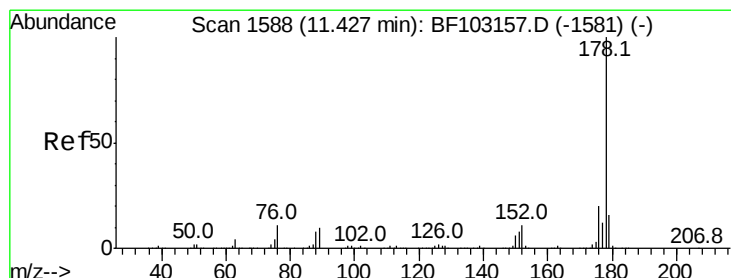
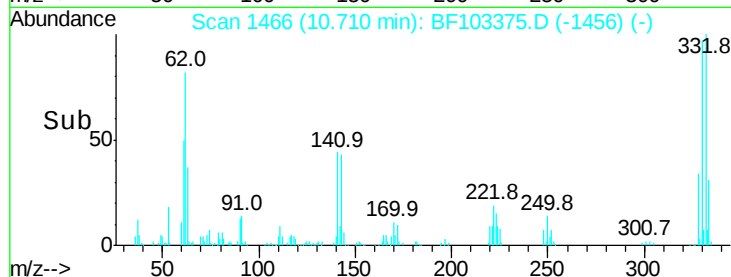
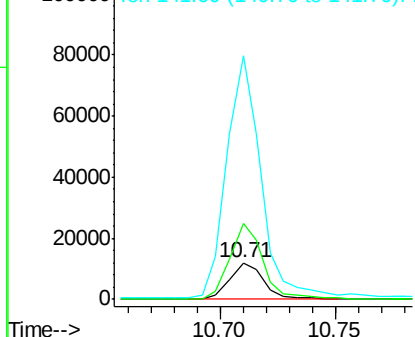
#66
 4-Bromophenyl-phenylether
 Concen: 3.293 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF103375.D
 Acq: 2 Mar 2018 19:44

Instrument :
 BNA_F
 ClientSampled :
 SP-36

Tot Ion:248 Resp: 12370
 Ion Ratio Lower Upper
 248 100
 250 207.5 76.9 115.3#
 141 662.1 74.4 111.6#

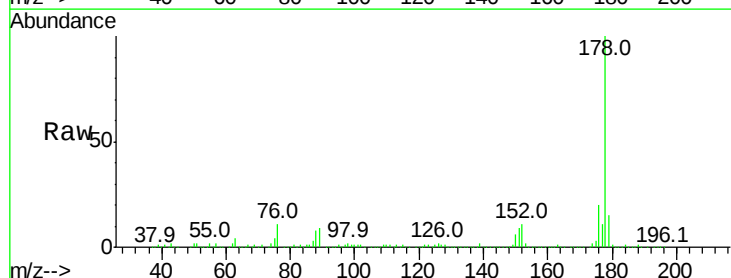


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

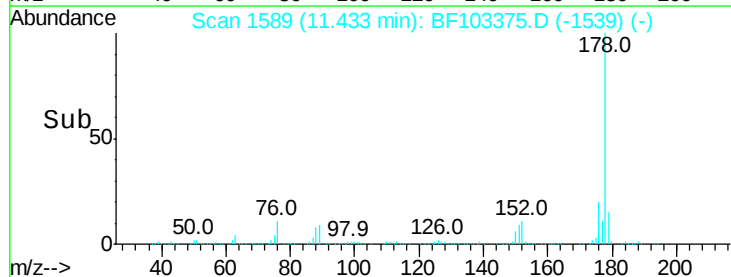
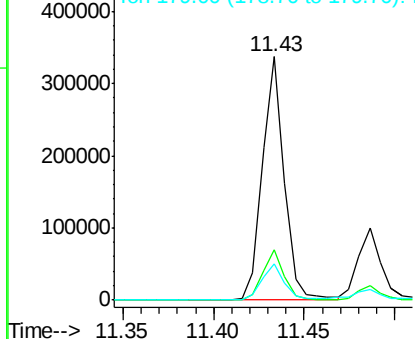


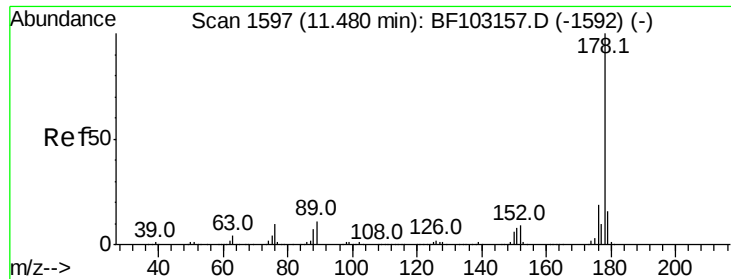
#70
 Phenanthrene
 Concen: 14.247 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BF103375.D
 Acq: 2 Mar 2018 19:44

Tgt Ion:178 Resp: 282777
 Ion Ratio Lower Upper
 178 100
 176 20.4 15.8 23.8
 179 15.1 13.0 19.6



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

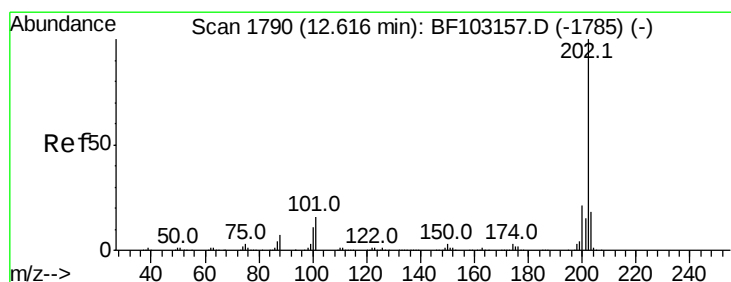
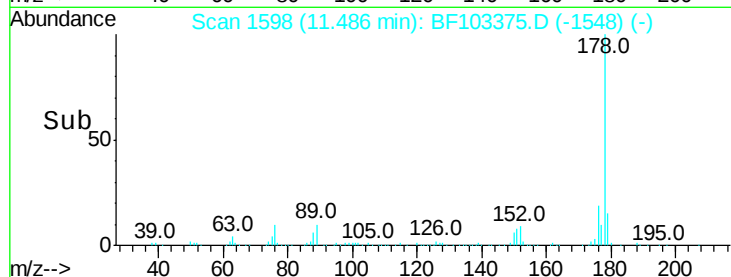
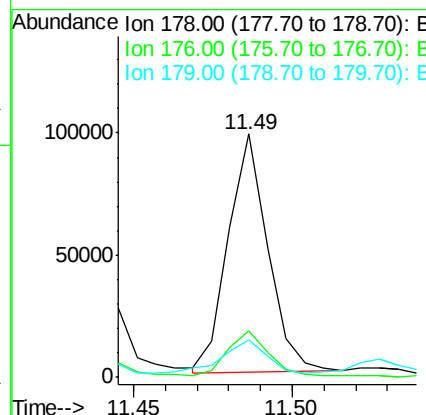
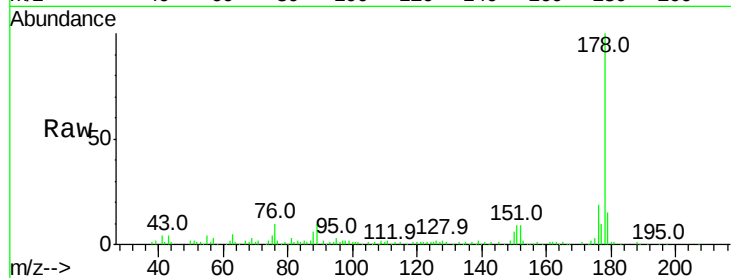




#71
 Anthracene
 Concen: 4.123 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF103375.D
 Acq: 2 Mar 2018 19:44

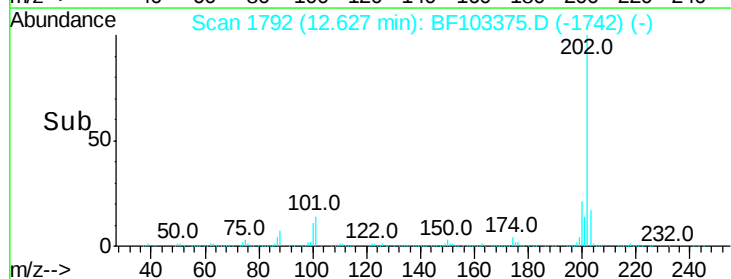
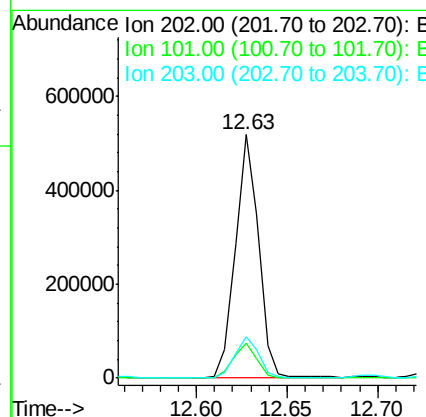
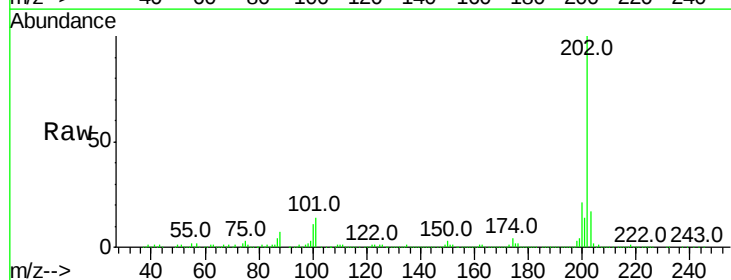
Instrument :
 BNA_F
 ClientSampleId :
 SP-36

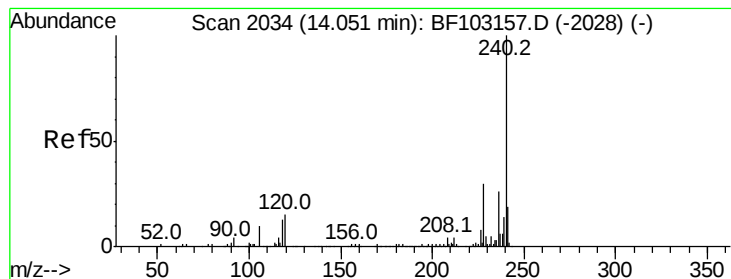
Tot Ion:178 Resp: 83908
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.2
 179 15.4 12.6 19.0



#74
 Fluoranthene
 Concen: 23.222 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: BF103375.D
 Acq: 2 Mar 2018 19:44

Tgt Ion:202 Resp: 463167
 Ion Ratio Lower Upper
 202 100
 101 14.4 0.0 34.1
 203 17.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF103375.D

Acq: 2 Mar 2018 19:44

Instrument :

BNA_F

ClientSampleId :

SP-36

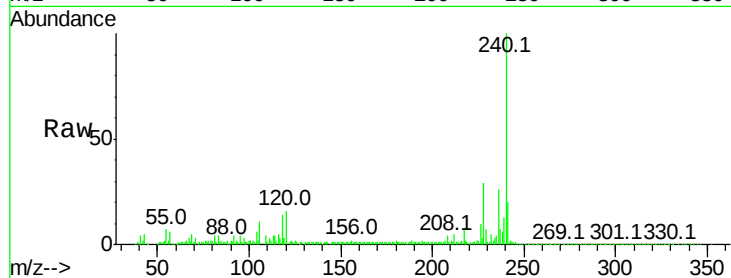
Tot Ion:240 Resp: 232463

Ion Ratio Lower Upper

240 100

120 16.2 9.5 14.3#

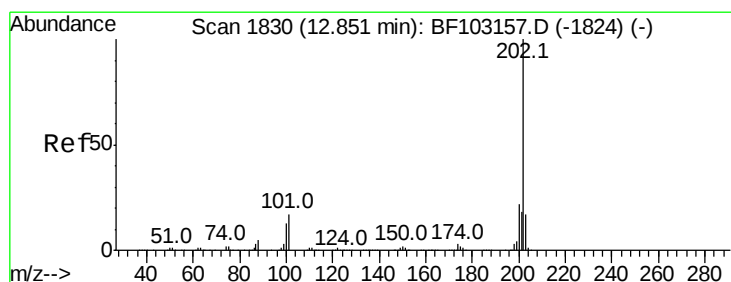
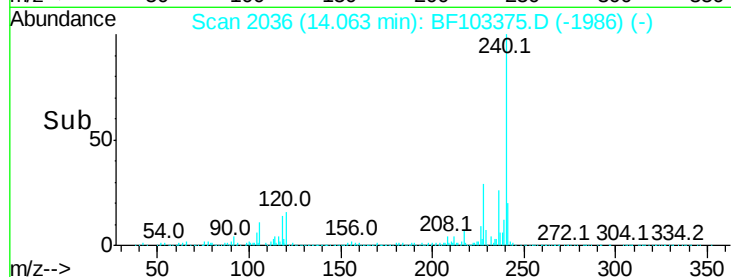
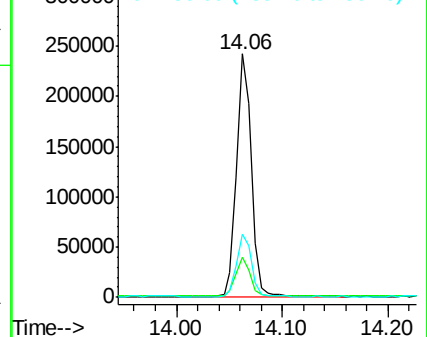
236 26.2 20.7 31.1



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

Pyrene

Concen: 23.855 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF103375.D

Acq: 2 Mar 2018 19:44

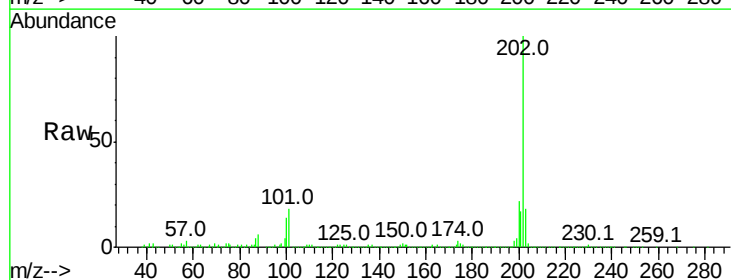
Tgt Ion:202 Resp: 432356

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

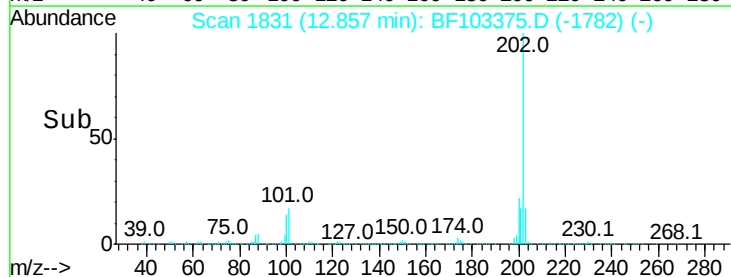
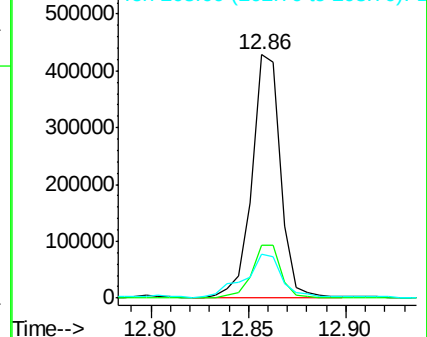
203 17.8 14.3 21.5

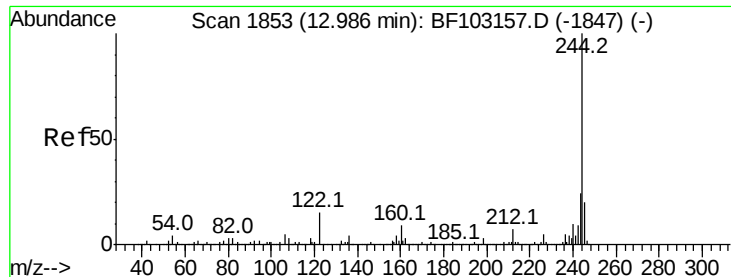


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 68.805 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF103375.D

Acq: 2 Mar 2018 19:44

Instrument :

BNA_F

ClientSampleId :

SP-36

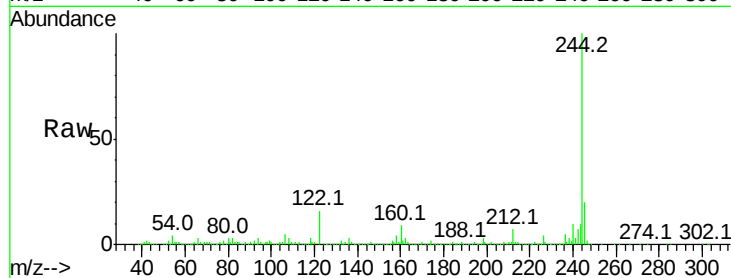
Tot Ion:244 Resp: 665369

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

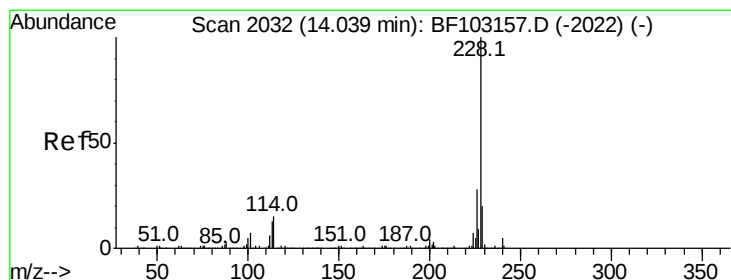
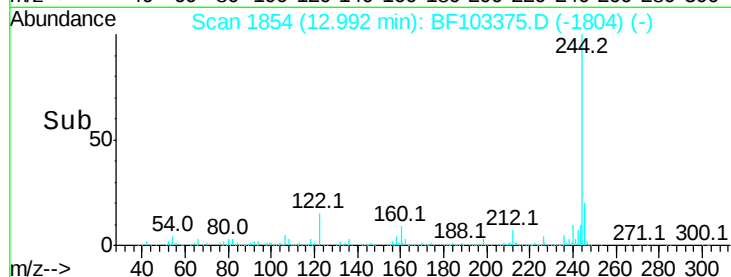
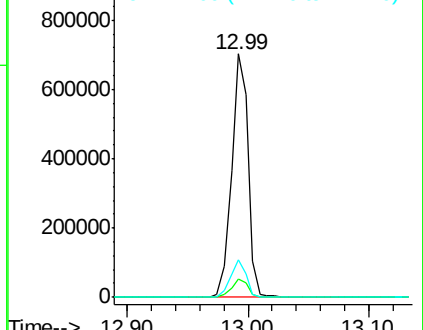
122 15.6 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 14.766 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103375.D

Acq: 2 Mar 2018 19:44

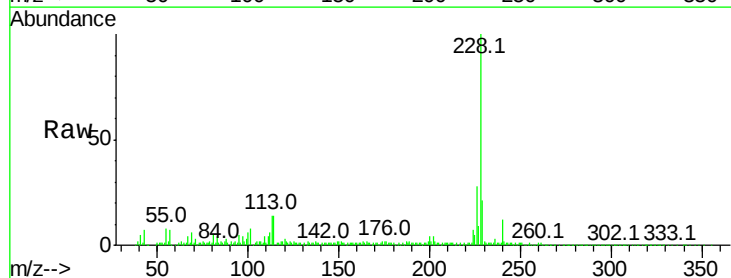
Tgt Ion:228 Resp: 222717

Ion Ratio Lower Upper

228 100

226 27.7 22.6 33.8

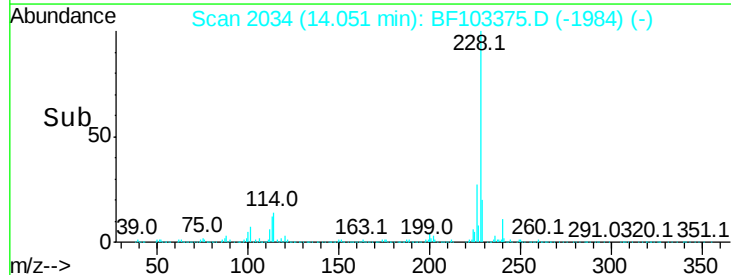
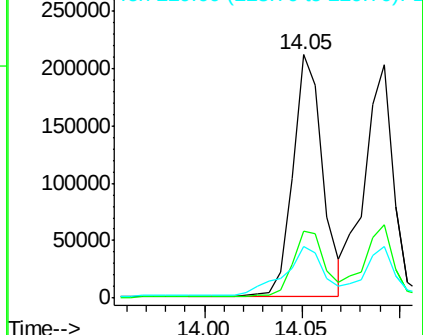
229 21.3 15.8 23.6

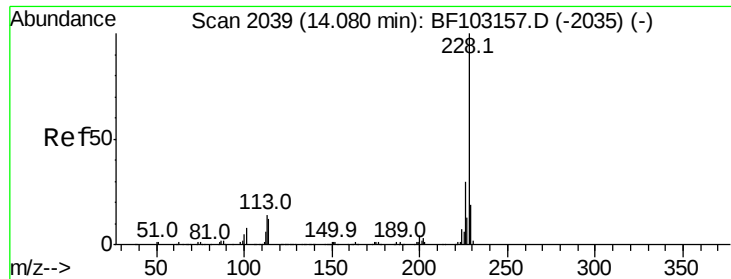


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

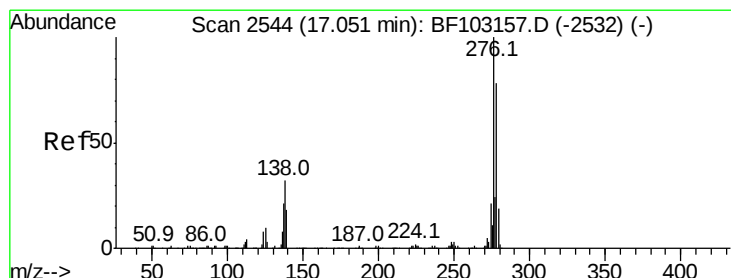
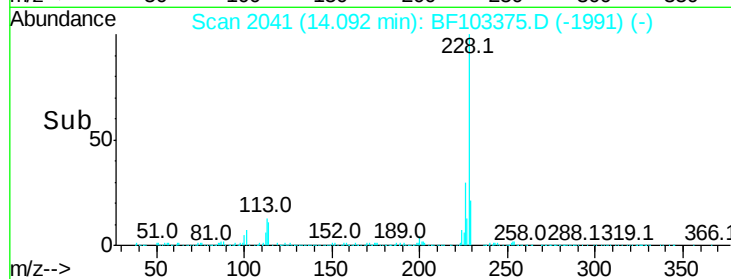
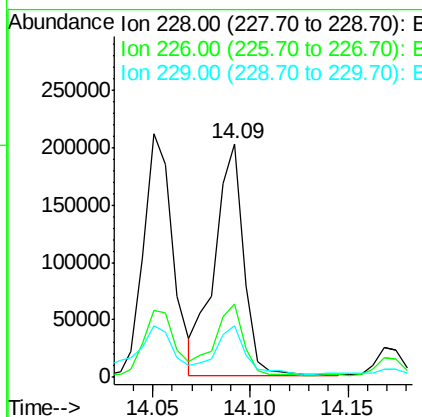
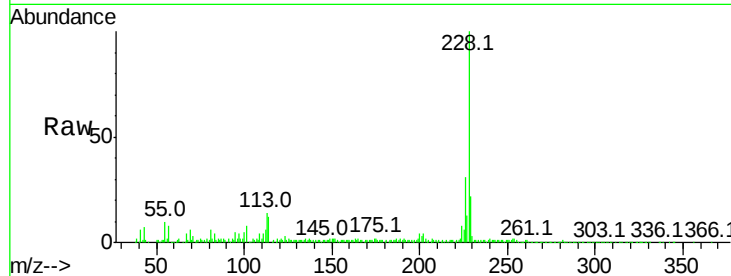




#82
Chrysene
Concen: 14.456 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103375.D
Acq: 2 Mar 2018 19:44

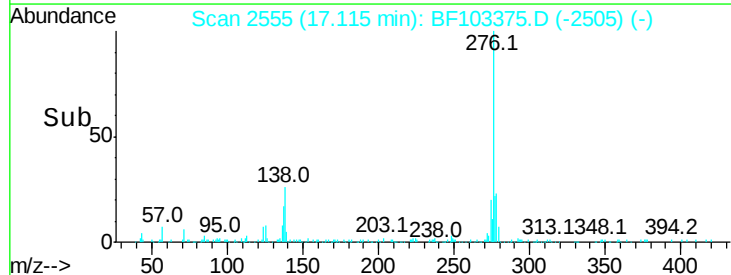
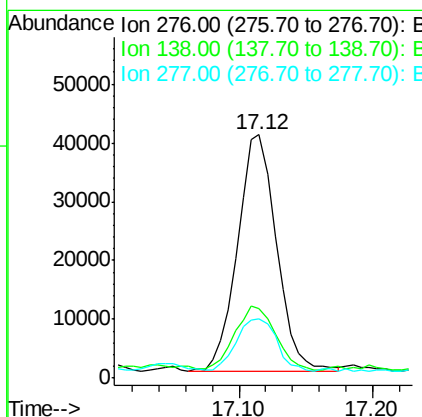
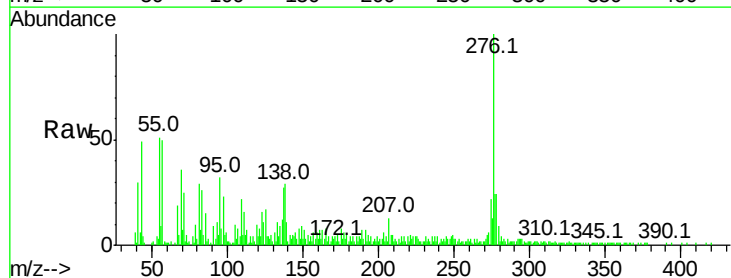
Instrument :
BNA_F
ClientSampleId :
SP-36

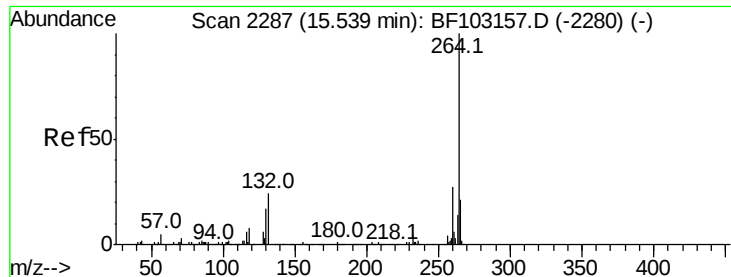
Tot Ion:228 Resp: 211709
Ion Ratio Lower Upper
228 100
226 31.2 25.0 37.6
229 22.3 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 7.028 ng
RT: 17.12 min Scan# 2555
Delta R.T. -0.01 min
Lab File: BF103375.D
Acq: 2 Mar 2018 19:44

Tgt Ion:276 Resp: 81481
Ion Ratio Lower Upper
276 100
138 28.1 25.0 37.6
277 22.7 20.1 30.1

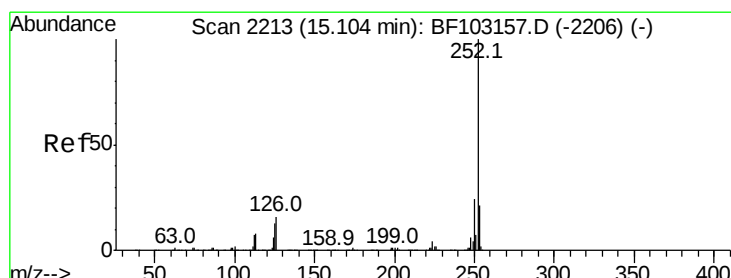
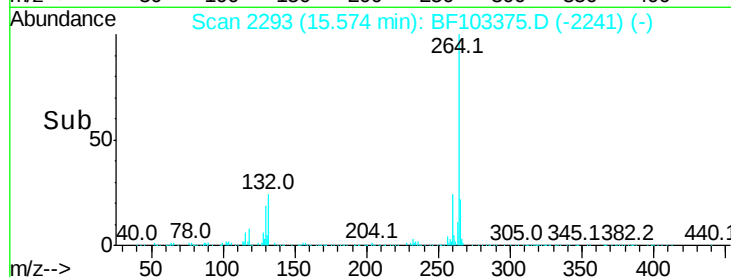
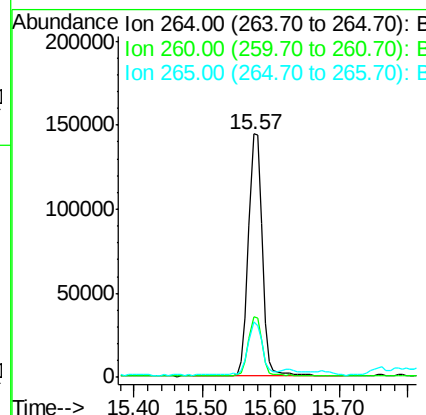
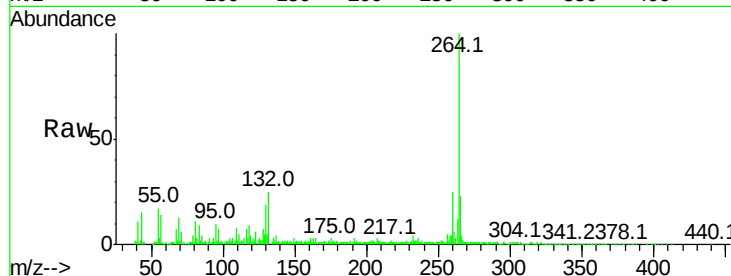




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.01 min
Lab File: BF103375.D
Acq: 2 Mar 2018 19:44

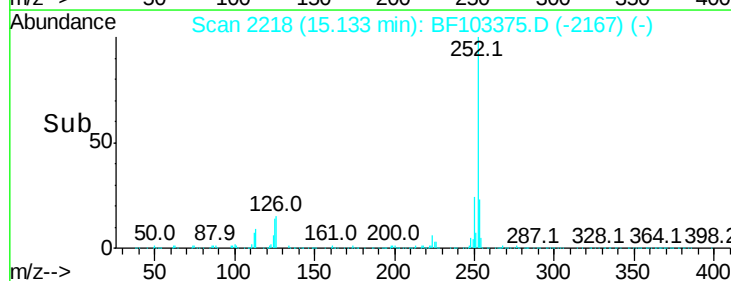
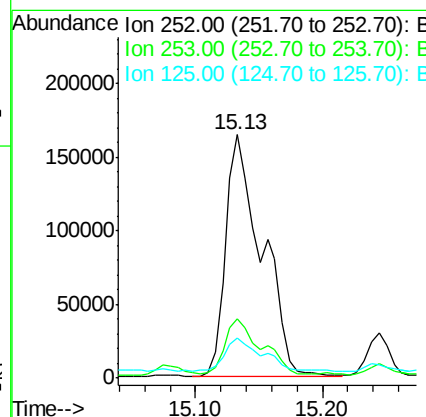
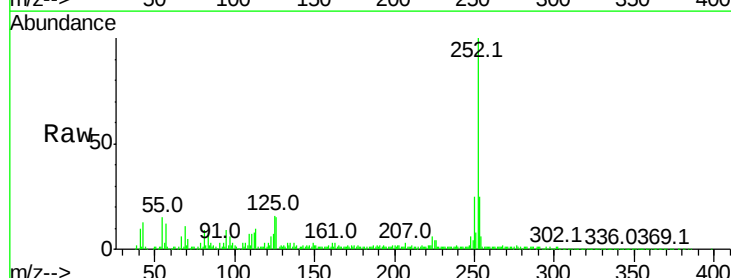
Instrument :
BNA_F
ClientSampleId :
SP-36

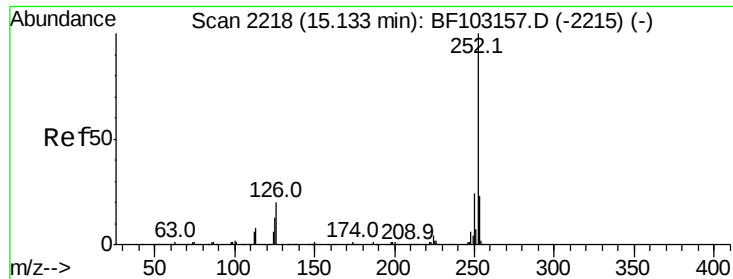
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.6	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 24.329 ng
RT: 15.13 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF103375.D
Acq: 2 Mar 2018 19:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.0	25.6
125	16.4	9.0	13.6

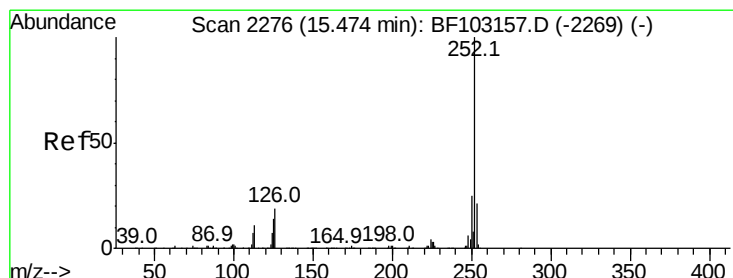
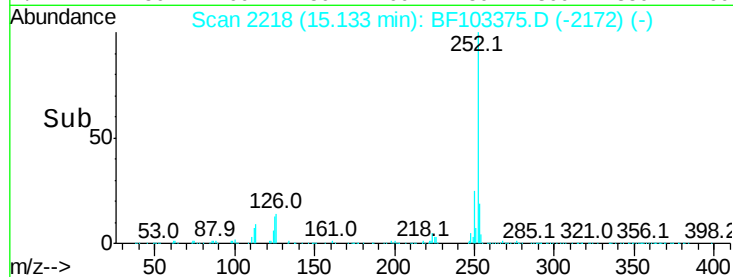
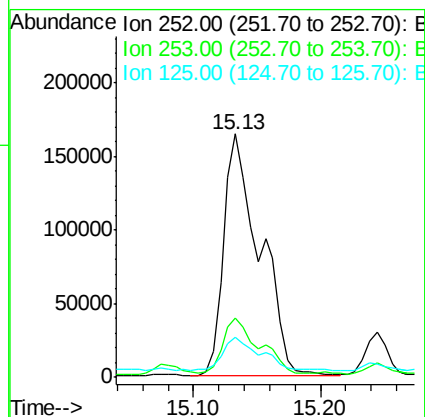
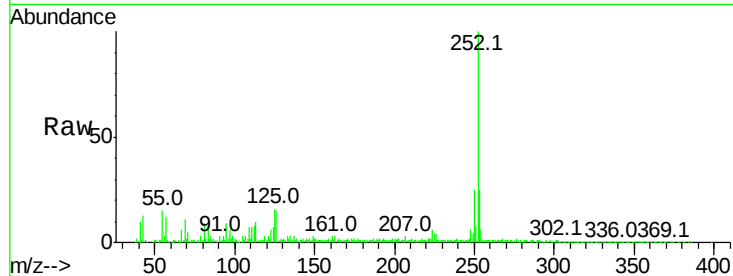




#88
Benzo(k)fluoranthene
Concen: 25.836 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF103375.D
Acq: 2 Mar 2018 19:44

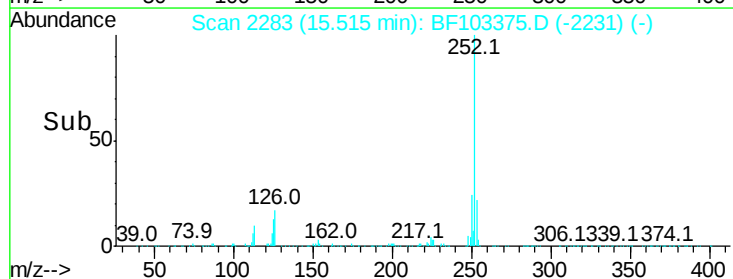
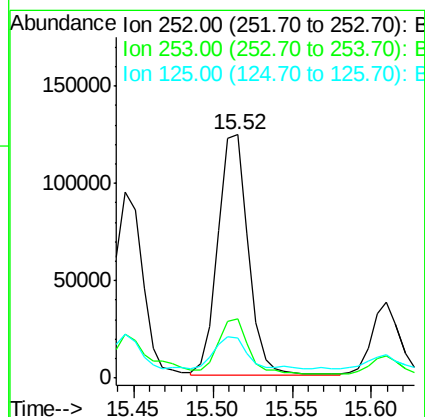
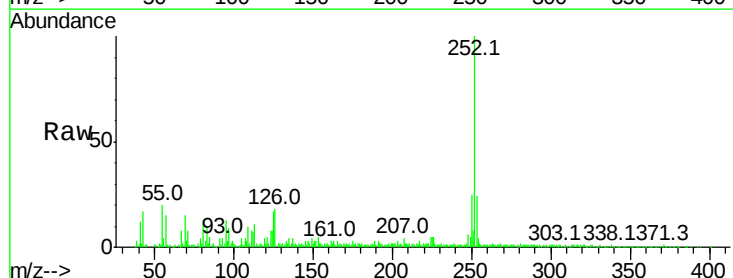
Instrument :
BNA_F
ClientSampleId :
SP-36

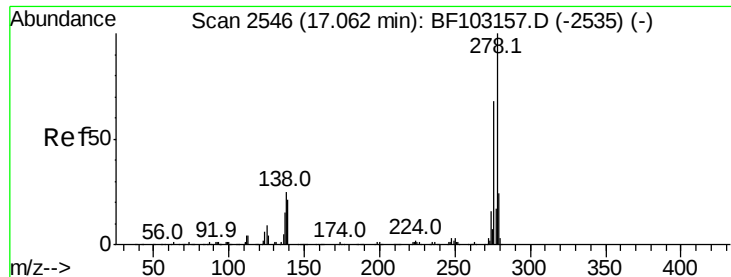
Tot Ion:252 Resp: 325291
Ion Ratio Lower Upper
252 100
253 24.6 17.9 26.9
125 16.4 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 13.869 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.01 min
Lab File: BF103375.D
Acq: 2 Mar 2018 19:44

Tgt Ion:252 Resp: 165590
Ion Ratio Lower Upper
252 100
253 24.3 17.1 25.7
125 16.7 9.8 14.6#





#90

Dibenzo(a,h)anthracene

Concen: 2.357 ng

RT: 17.12 min Scan# 2555

Delta R.T. -0.01 min

Lab File: BF103375.D

Acq: 2 Mar 2018 19:44

Instrument :

BNA_F

ClientSampleId :

SP-36

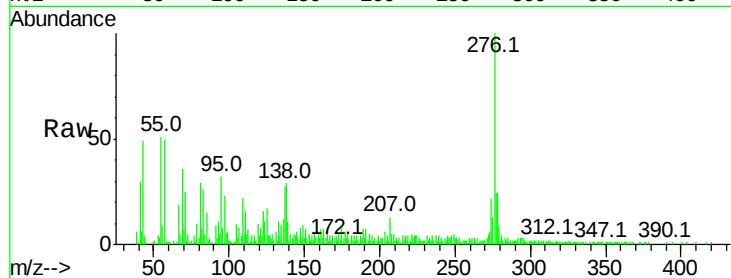
Tot Ion:278 Resp: 21748

Ion Ratio Lower Upper

278 100

139 43.8 15.9 23.9#

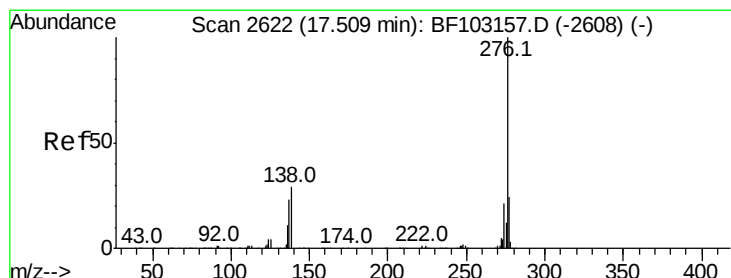
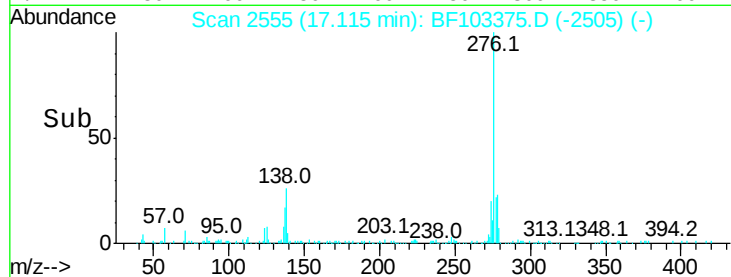
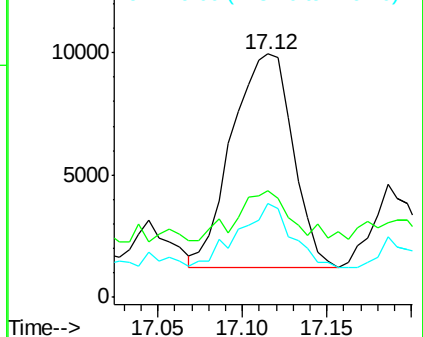
279 38.6 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 8.546 ng

RT: 17.59 min Scan# 2635

Delta R.T. 0.01 min

Lab File: BF103375.D

Acq: 2 Mar 2018 19:44

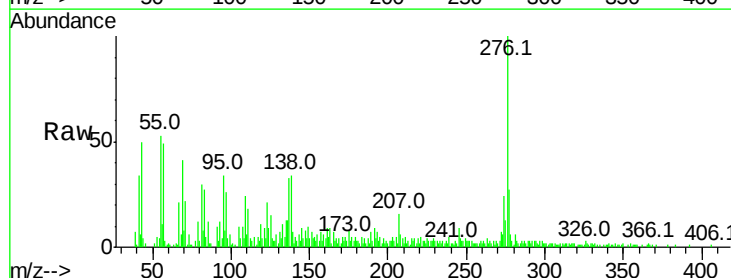
Tgt Ion:276 Resp: 77061

Ion Ratio Lower Upper

276 100

277 26.6 17.9 26.9

138 33.7 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

