

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103378.D
 Acq On : 2 Mar 2018 21:03
 Operator : SJ/JU
 Sample : J1721-05RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-35

Quant Time: Mar 02 22:08:56 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	151466	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	649046	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	269344	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	386897	20.00	ng	0.00
75) Chrysene-d12	14.06	240	251951	20.00	ng	0.00
86) Perylene-d12	15.57	264	213510	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	965579	96.42	ng	0.00
7) Phenol-d6	6.52	99	1170651	95.53	ng	0.00
23) Nitrobenzene-d5	7.45	82	756879	66.60	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	176478	77.41	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1073106	64.79	ng	0.00
78) Terphenyl-d14	12.99	244	646717	61.70	ng	0.00

Target Compounds

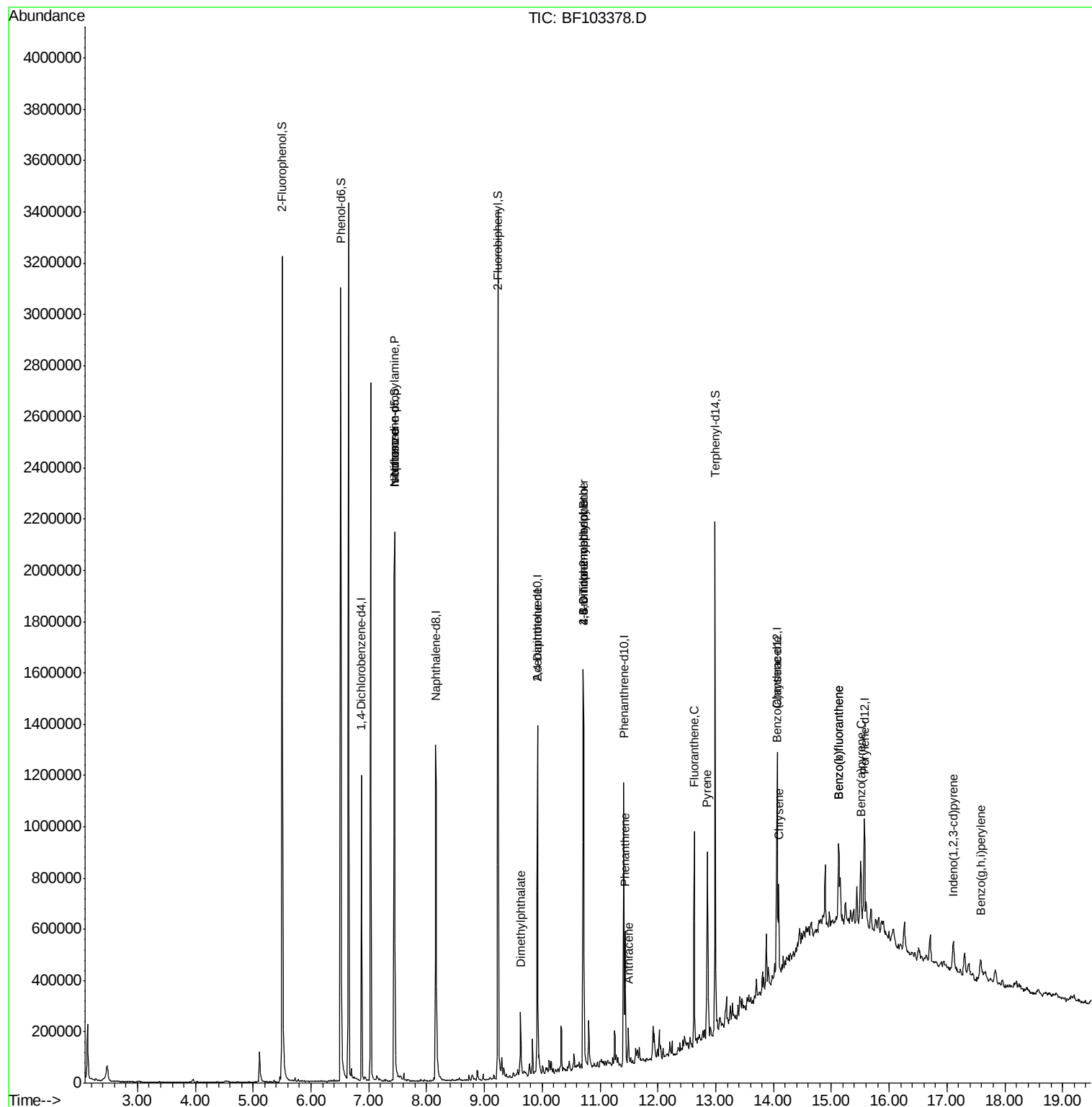
						Qvalue
9) Benzaldehyde	6.44	77	765	Below Cal	#	8
19) n-Nitroso-di-n-propylamine	7.45	70	101149	13.262 ng	#	81
25) Isophorone	7.45	82	756875	33.814 ng	#	64
49) Dimethylphthalate	9.63	163	106971	4.951 ng		99
56) 2,4-Dinitrotoluene	9.92	165	35652	6.217 ng	#	24
64) 4,6-Dinitro-2-methylphenol	10.71	198	394	5.095 ng	#	1
66) 4-Bromophenyl-phenylether	10.71	248	12156	3.016 ng	#	1
70) Phenanthrene	11.43	178	164592	7.730 ng		99
71) Anthracene	11.49	178	59176	2.710 ng		98
74) Fluoranthene	12.63	202	311435	14.556 ng		99
77) Pyrene	12.86	202	295069	15.021 ng		99
80) Benzo(a)anthracene	14.05	228	155890	9.536 ng		98
82) Chrysene	14.09	228	147188	9.273 ng		99
85) Indeno(1,2,3-cd)pyrene	17.11	276	61376	4.884 ng		94
87) Benzo(b)fluoranthene	15.13	252	233085	16.604 ng	#	89
88) Benzo(k)fluoranthene	15.13	252	233085	17.632 ng	#	92
89) Benzo(a)pyrene	15.51	252	118625	9.463 ng	#	93
91) Benzo(g,h,i)perylene	17.58	276	58021	6.129 ng	#	82

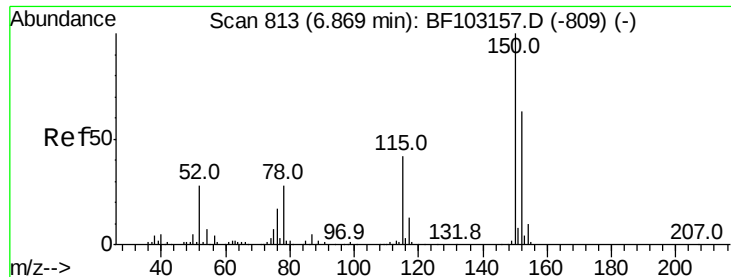
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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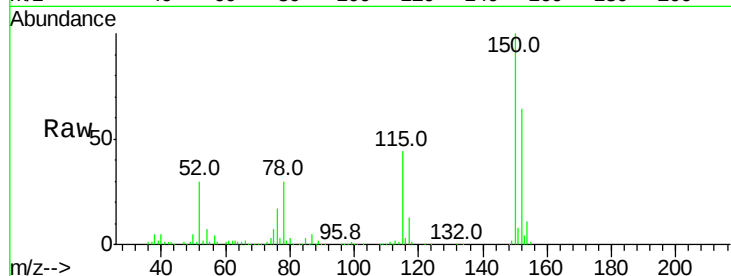


#1

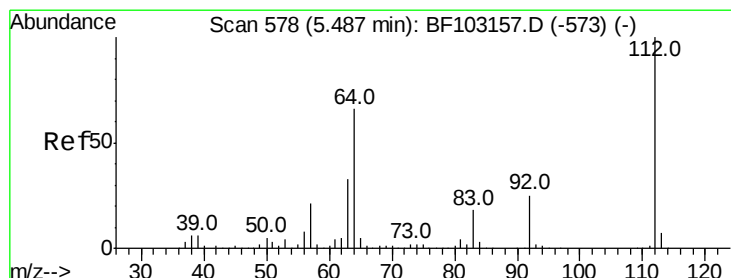
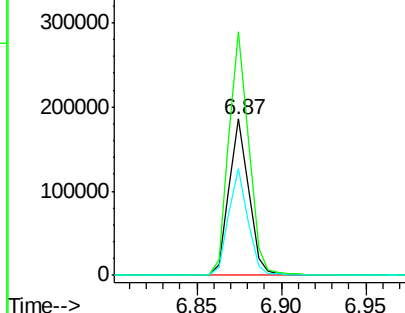
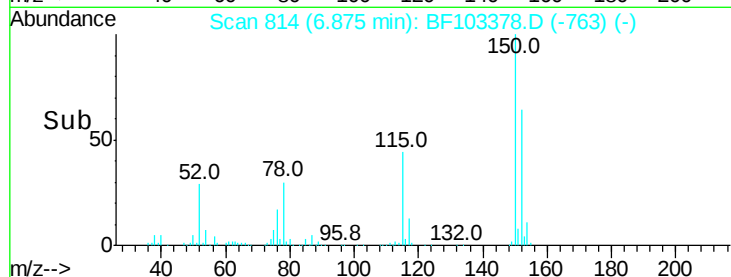
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103378.D
Acq: 2 Mar 2018 21:03

Instrument :
BNA_F
ClientSampleId :
SP-35

Tot Ion:152 Resp: 151466
Ion Ratio Lower Upper
152 100
150 155.7 124.6 186.8
115 67.9 50.1 75.1



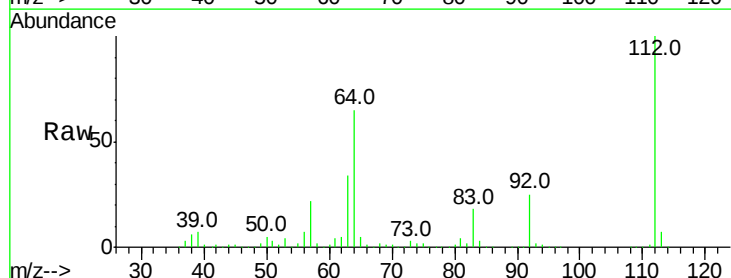
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



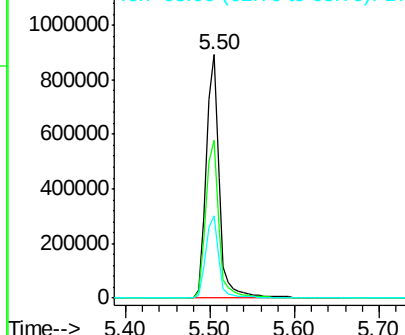
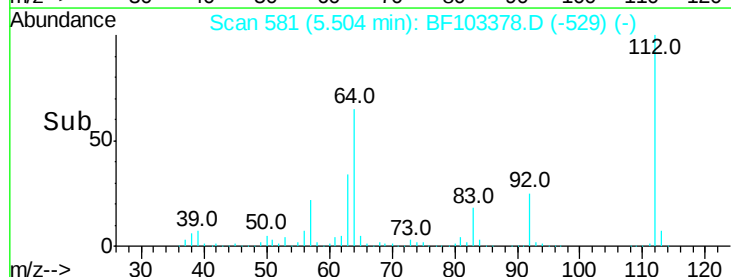
#5

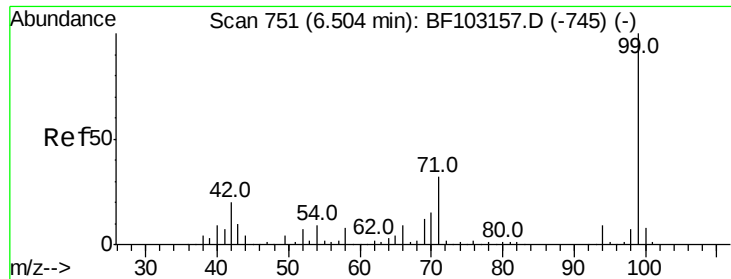
2-Fluorophenol
Concen: 96.416 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103378.D
Acq: 2 Mar 2018 21:03

Tgt Ion:112 Resp: 965579
Ion Ratio Lower Upper
112 100
64 64.7 47.9 71.9
63 34.0 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: 95.528 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF103378.D

Acq: 2 Mar 2018 21:03

Instrument :

BNA_F

ClientSampleId :

SP-35

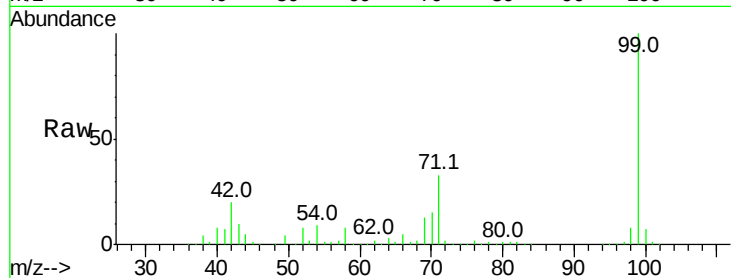
Tot Ion: 99 Resp: 1170651

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

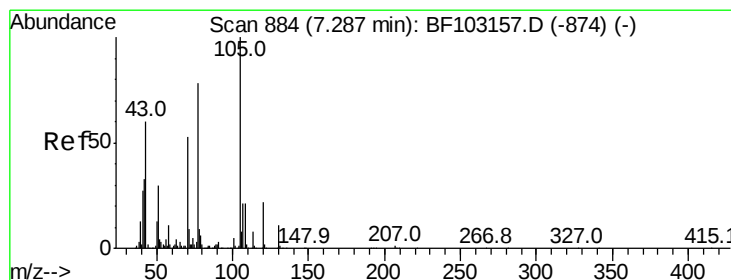
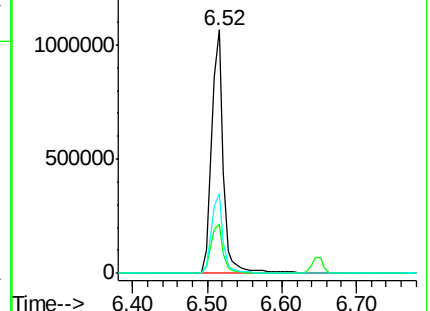
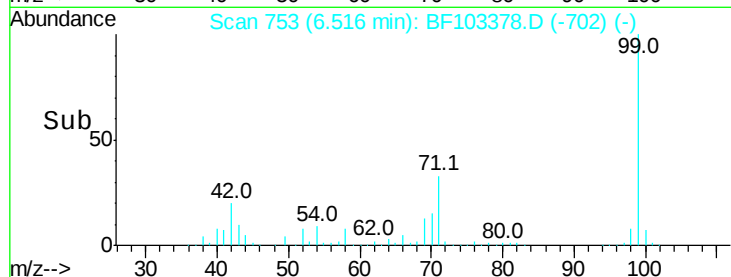
71 33.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 13.262 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF103378.D

Acq: 2 Mar 2018 21:03

Tgt Ion: 70 Resp: 101149

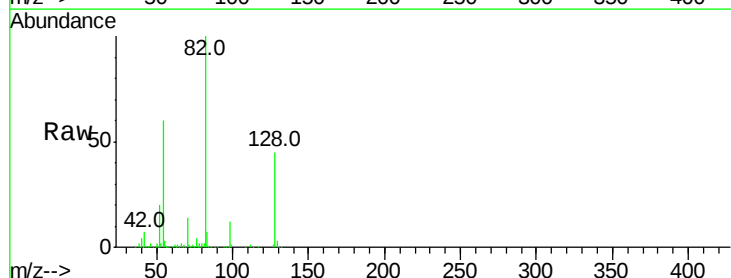
Ion Ratio Lower Upper

70 100

42 51.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

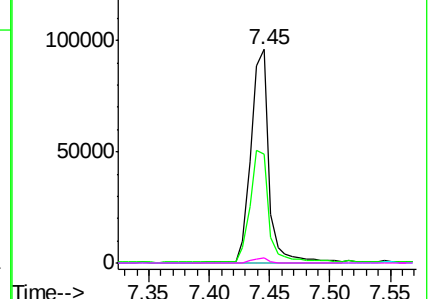
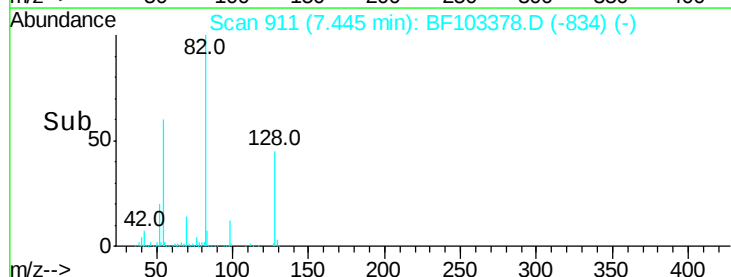


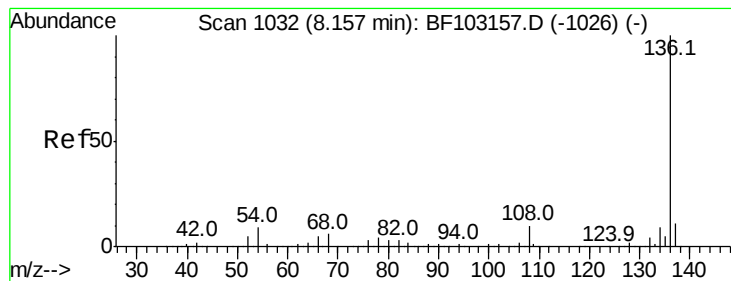
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103378.D

Acq: 2 Mar 2018 21:03

Instrument :

BNA_F

ClientSampleID :

SP-35

Tot Ion:136 Resp: 649046

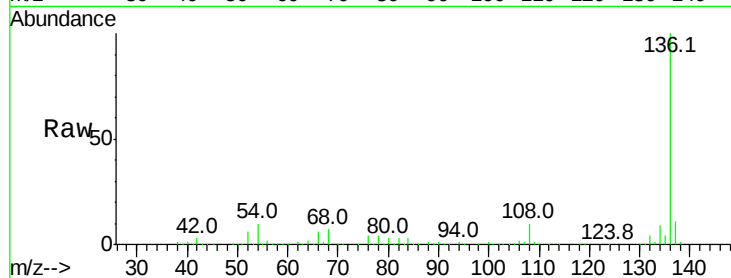
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 9.8 6.6 9.8

68 6.7 5.0 7.4

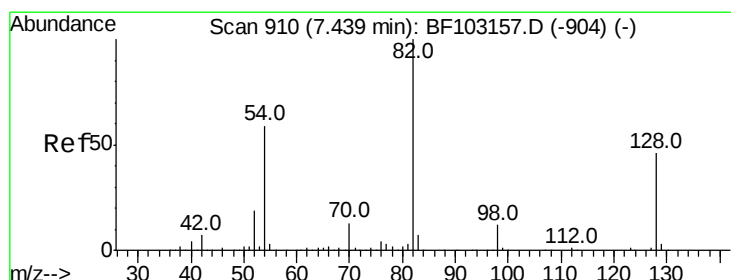
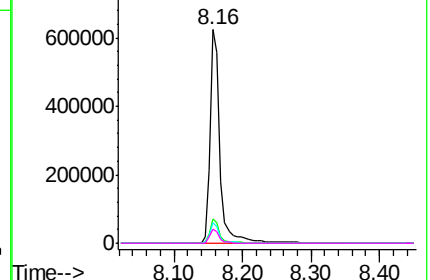
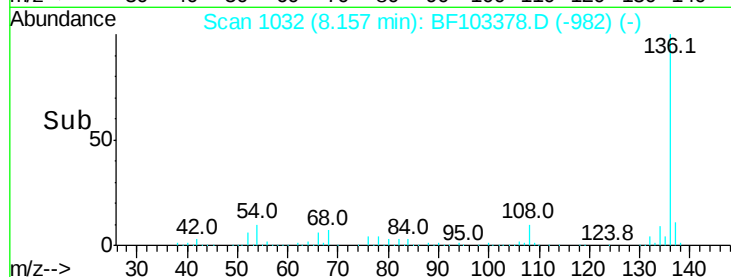


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.596 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF103378.D

Acq: 2 Mar 2018 21:03

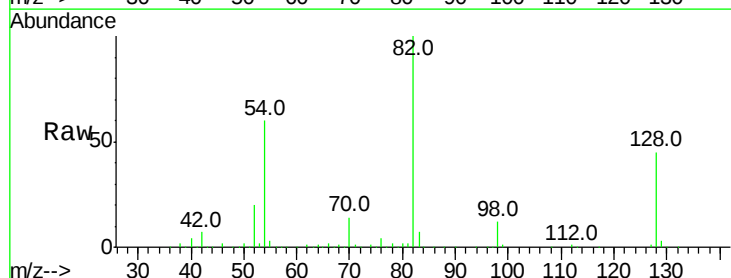
Tgt Ion: 82 Resp: 756879

Ion Ratio Lower Upper

82 100

128 45.0 36.1 54.1

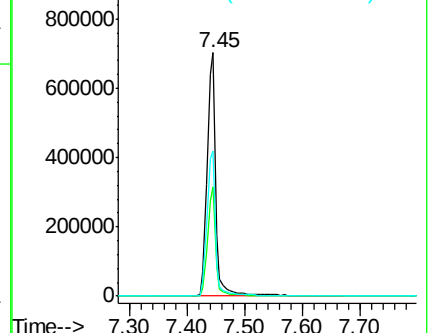
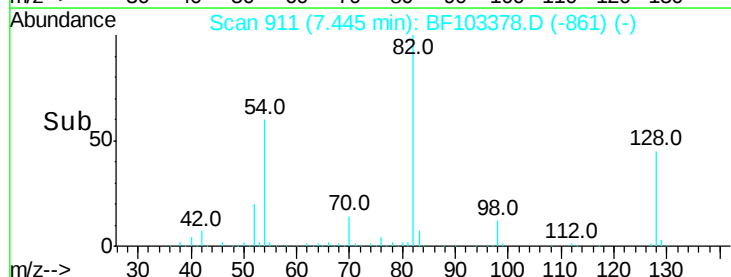
54 59.6 41.4 62.2

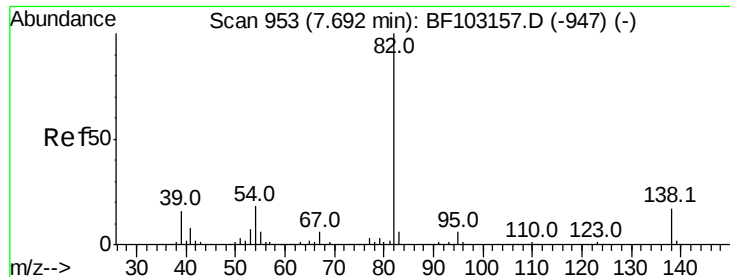


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 33.814 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF103378.D

Acq: 2 Mar 2018 21:03

Instrument :

BNA_F

ClientSampleId :

SP-35

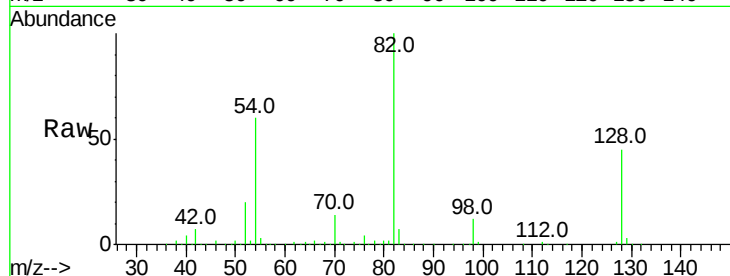
Tot Ion: 82 Resp: 756875

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

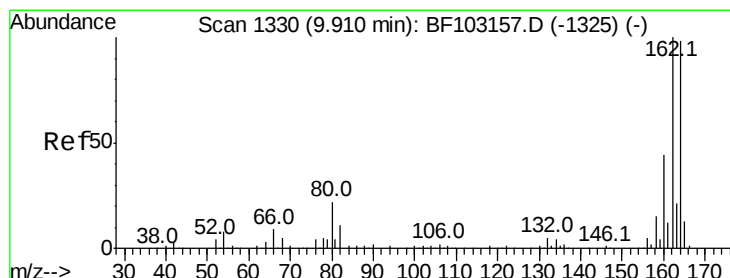
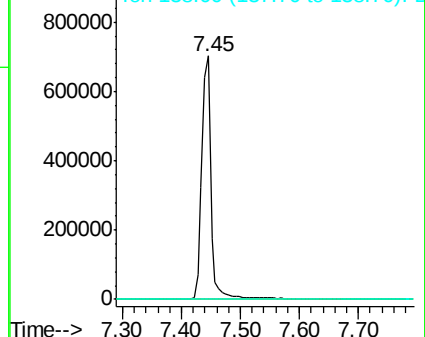
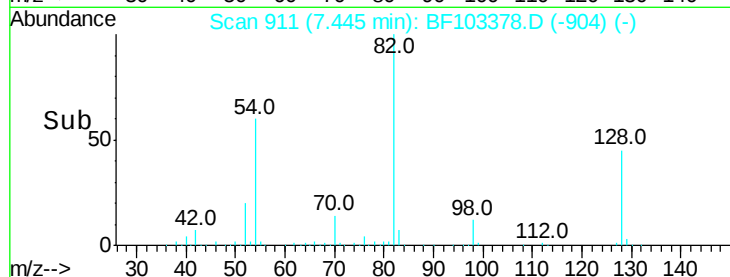
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF103378.D

Acq: 2 Mar 2018 21:03

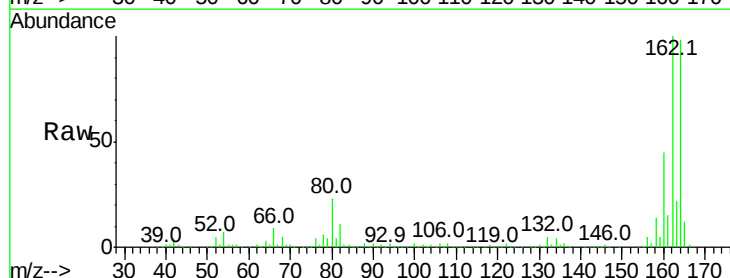
Tgt Ion:164 Resp: 269344

Ion Ratio Lower Upper

164 100

162 102.2 86.1 129.1

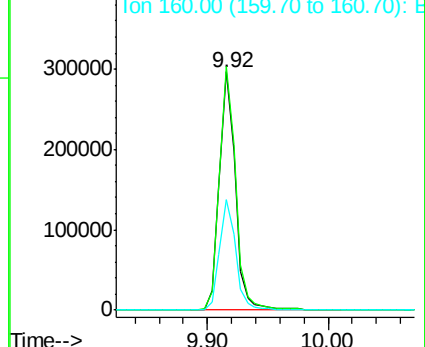
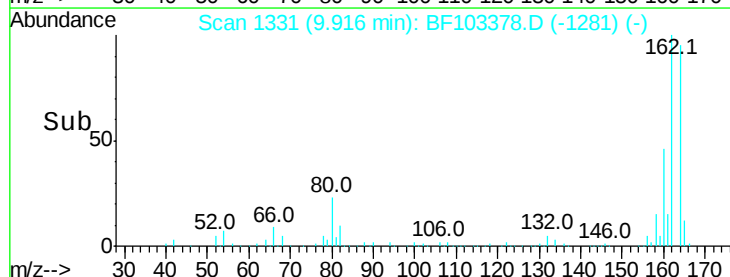
160 46.4 38.3 57.5

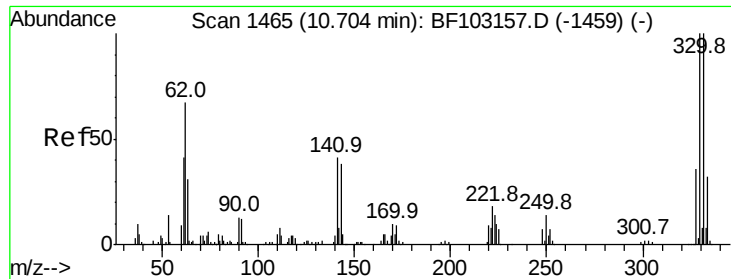


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

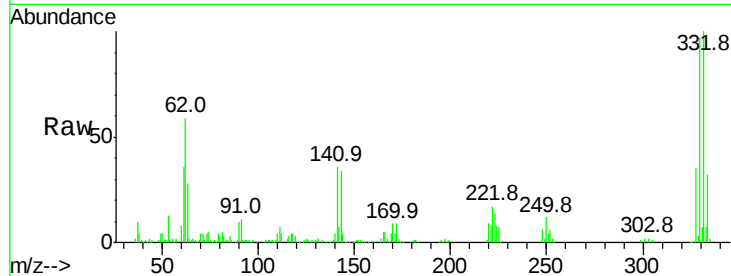




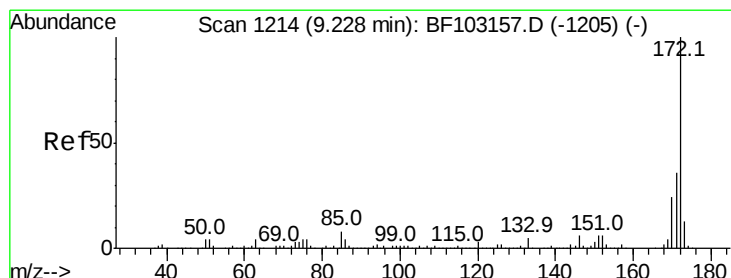
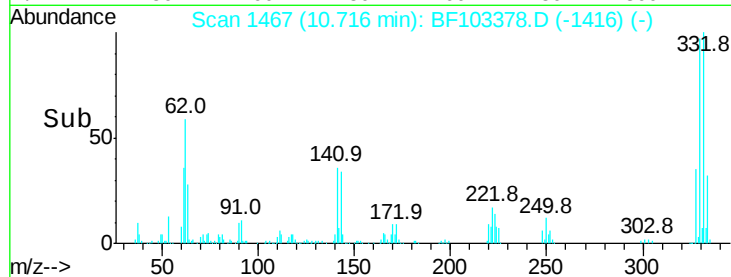
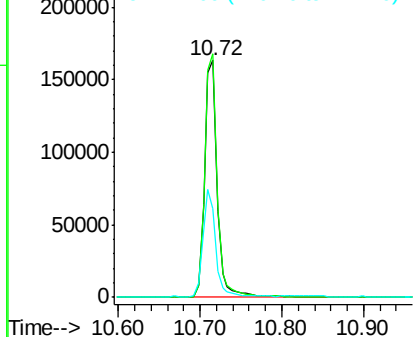
#41
 2,4,6-Tribromophenol
 Concen: 77.408 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: BF103378.D
 Acq: 2 Mar 2018 21:03

Instrument :
 BNA_F
 ClientSampleId :
 SP-35

Tot Ion:330 Resp: 176478
 Ion Ratio Lower Upper
 330 100
 332 101.9 77.0 115.6
 141 45.4 29.9 44.9#

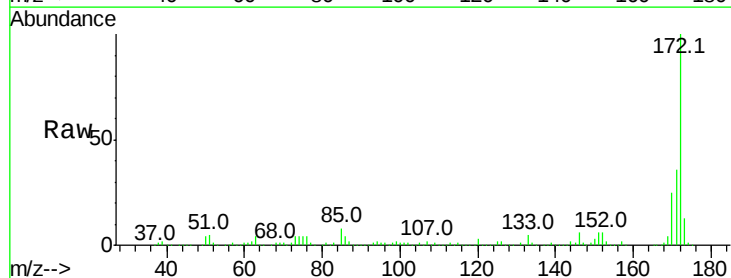


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

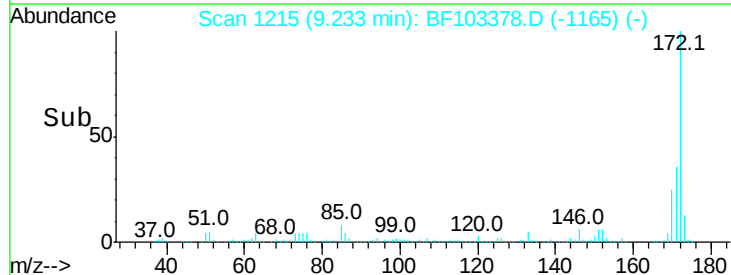
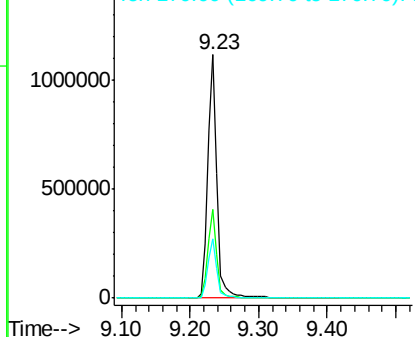


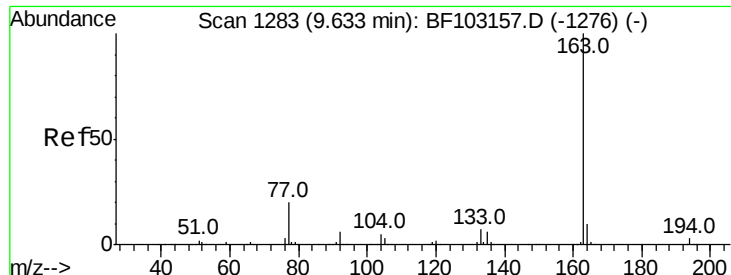
#44
 2-Fluorobiphenyl
 Concen: 64.791 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103378.D
 Acq: 2 Mar 2018 21:03

Tgt Ion:172 Resp: 1073106
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 24.5 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: 4.951 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF103378.D

Acq: 2 Mar 2018 21:03

Instrument :

BNA_F

ClientSampleId :

SP-35

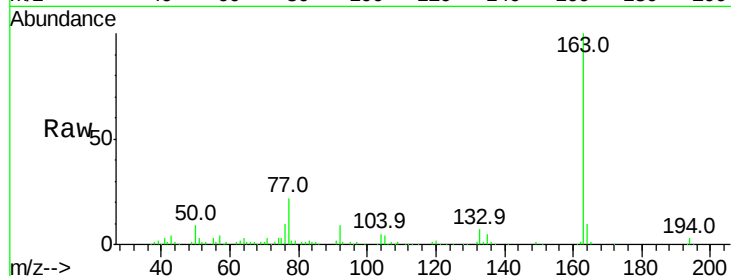
Tot Ion:163 Resp: 106971

Ion Ratio Lower Upper

163 100

194 3.0 2.7 4.1

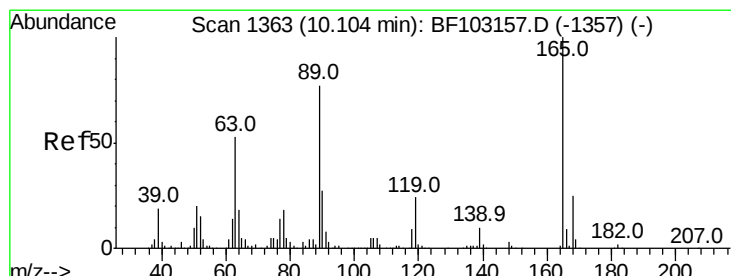
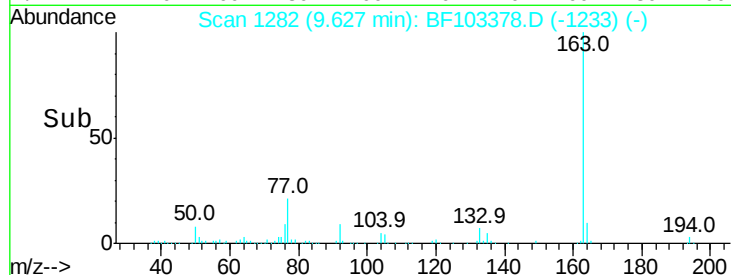
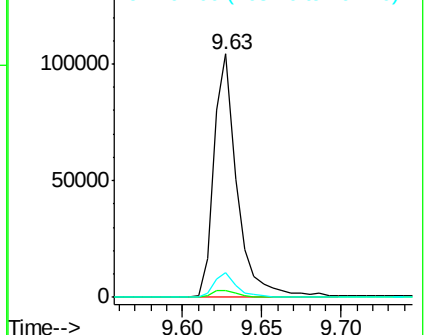
164 10.0 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.217 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.21 min

Lab File: BF103378.D

Acq: 2 Mar 2018 21:03

Tgt Ion:165 Resp: 35652

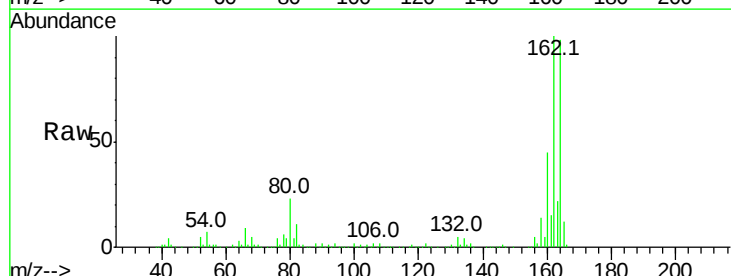
Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 2.0 57.8 86.6#

182 0.0 1.6 2.4#

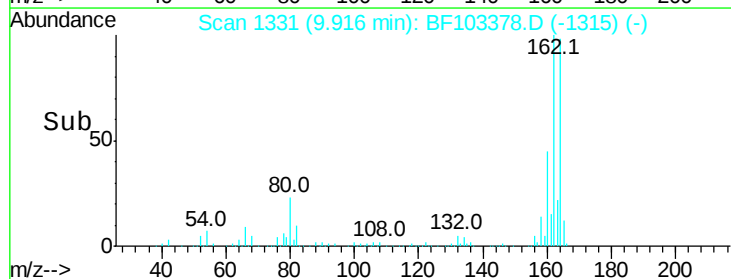
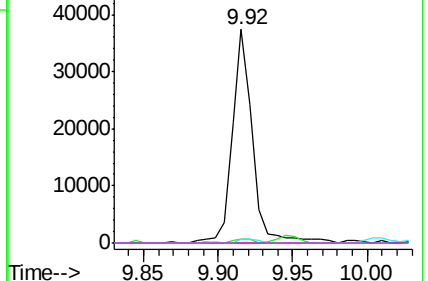


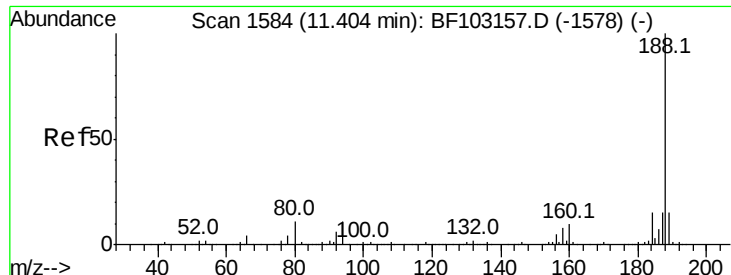
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF103378.D

Acq: 2 Mar 2018 21:03

Instrument :

BNA_F

ClientSampleId :

SP-35

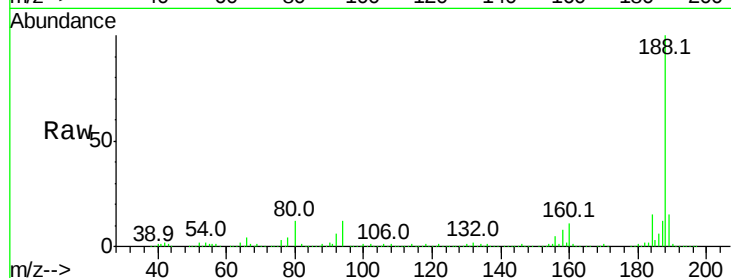
Tot Ion:188 Resp: 386897

Ion Ratio Lower Upper

188 100

94 11.5 8.5 12.7

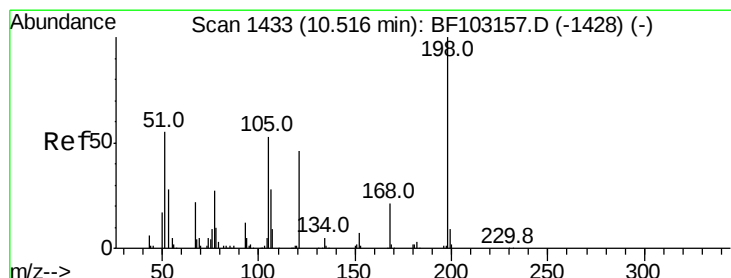
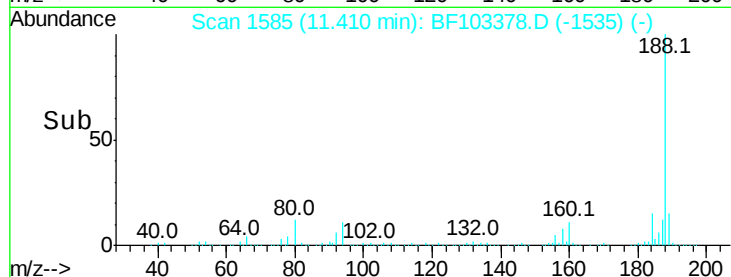
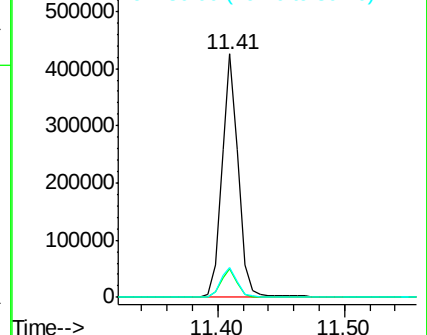
80 12.3 9.2 13.8



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: 5.095 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.17 min

Lab File: BF103378.D

Acq: 2 Mar 2018 21:03

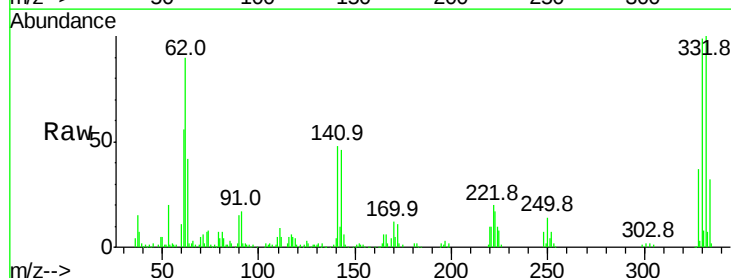
Tgt Ion:198 Resp: 394

Ion Ratio Lower Upper

198 100

51 204.6 37.7 77.7#

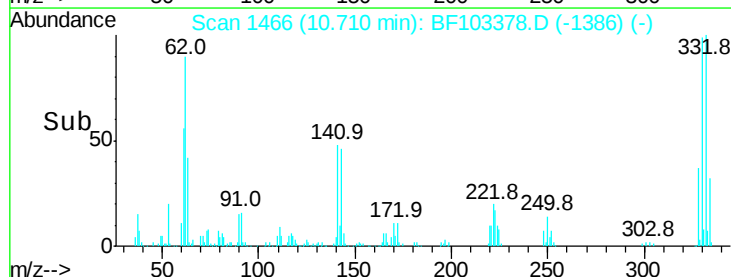
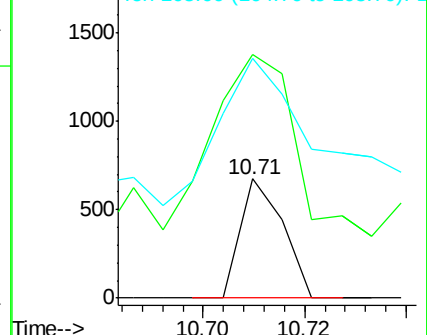
105 201.5 36.3 76.3#

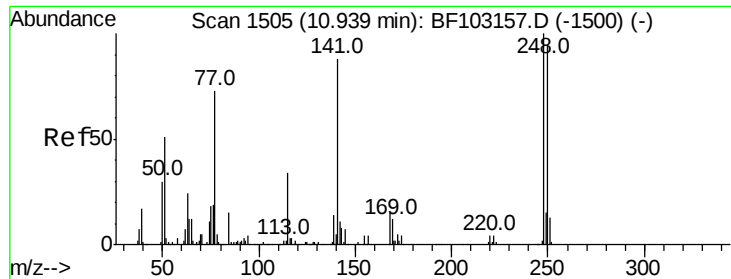


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

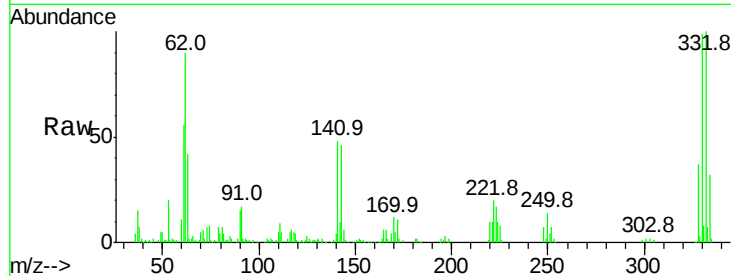




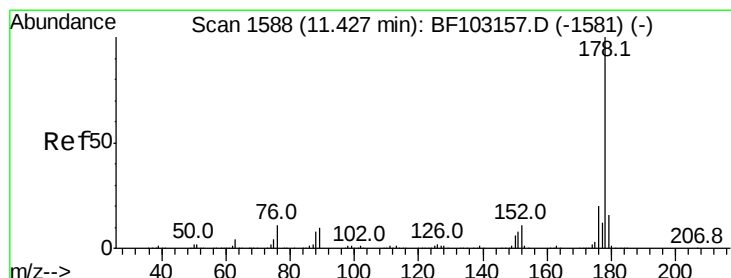
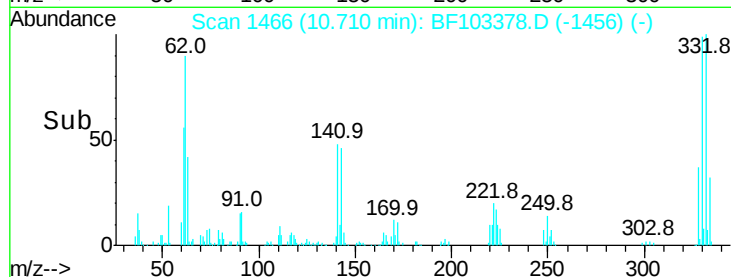
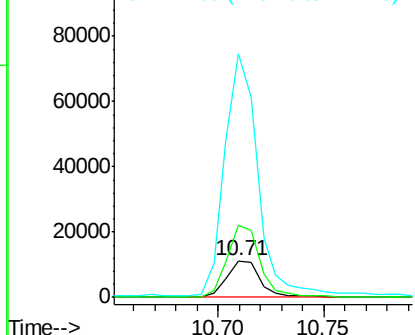
#66
4-Bromophenyl-phenylether
Concen: 3.016 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103378.D
Acq: 2 Mar 2018 21:03

Instrument :
BNA_F
ClientSampled :
SP-35

Tot Ion:248 Resp: 12156
Ion Ratio Lower Upper
248 100
250 198.3 76.9 115.3#
141 668.7 74.4 111.6#

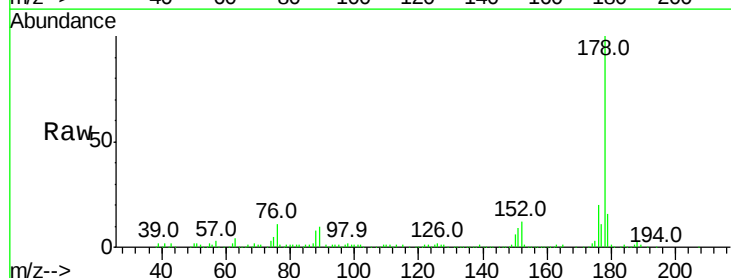


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

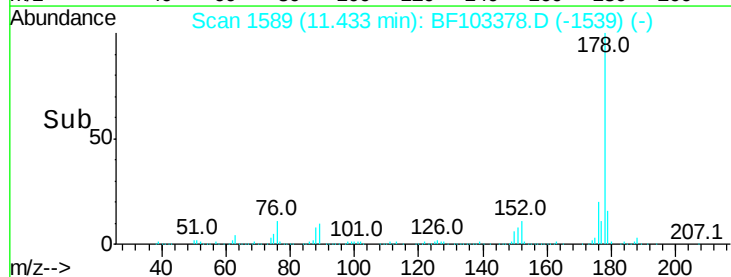
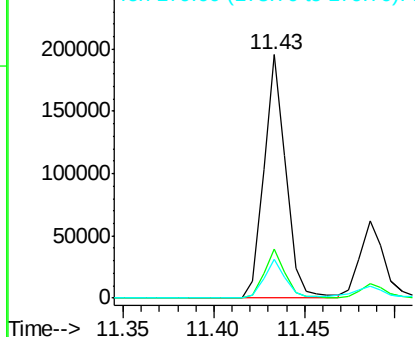


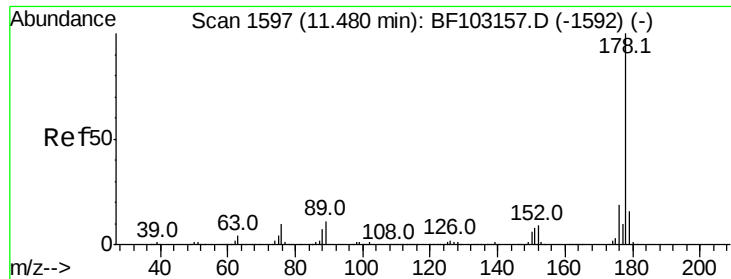
#70
Phenanthrene
Concen: 7.730 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF103378.D
Acq: 2 Mar 2018 21:03

Tgt Ion:178 Resp: 164592
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.8
179 15.8 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

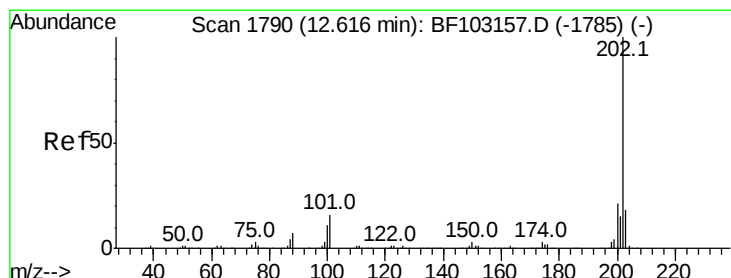
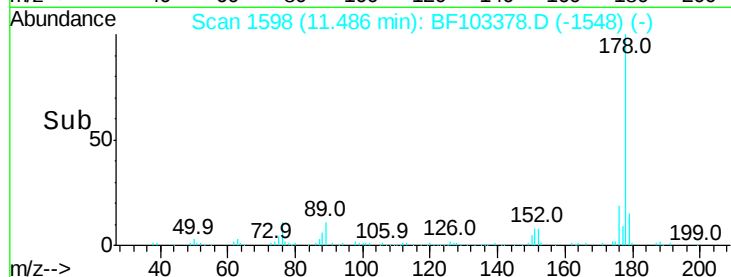
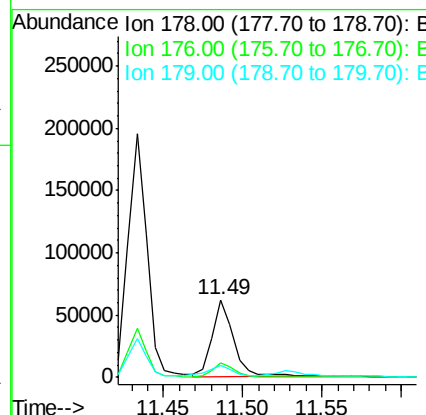
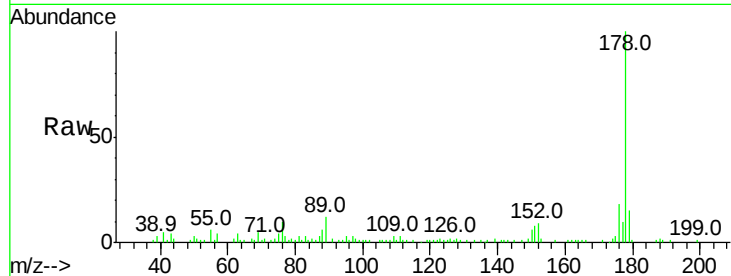




#71
 Anthracene
 Concen: 2.710 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF103378.D
 Acq: 2 Mar 2018 21:03

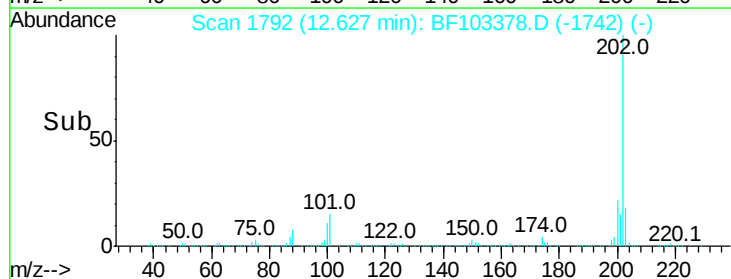
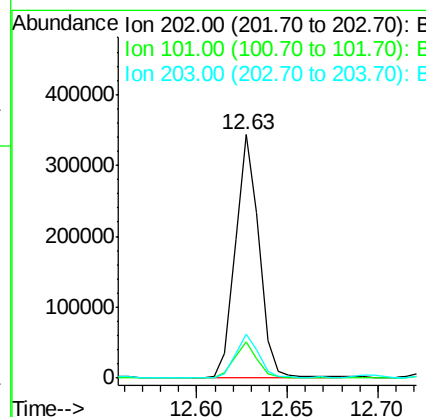
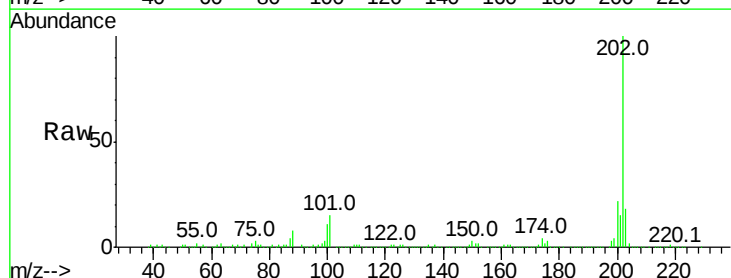
Instrument :
 BNA_F
 ClientSampleId :
 SP-35

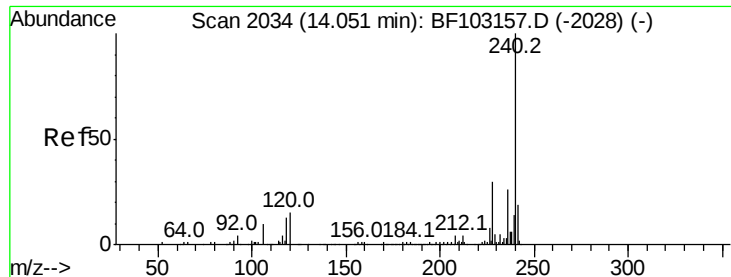
Tot Ion:178 Resp: 59176
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.4 23.2
 179 15.2 12.6 19.0



#74
 Fluoranthene
 Concen: 14.556 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: BF103378.D
 Acq: 2 Mar 2018 21:03

Tgt Ion:202 Resp: 311435
 Ion Ratio Lower Upper
 202 100
 101 15.0 0.0 34.1
 203 17.8 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: BF103378.D

Acq: 2 Mar 2018 21:03

Instrument :

BNA_F

ClientSampleId :

SP-35

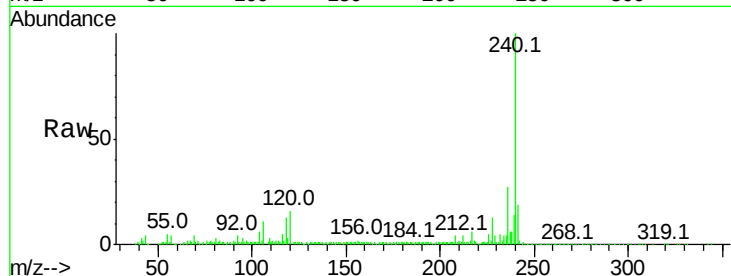
Tot Ion:240 Resp: 251951

Ion Ratio Lower Upper

240 100

120 15.7 9.5 14.3#

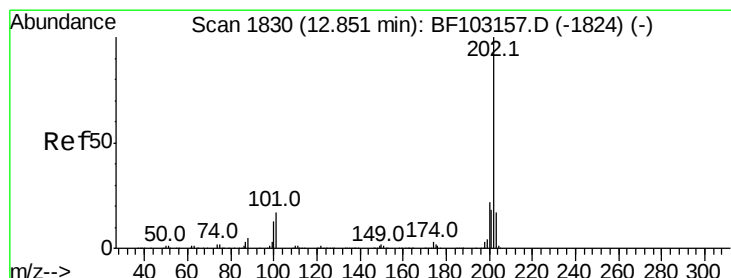
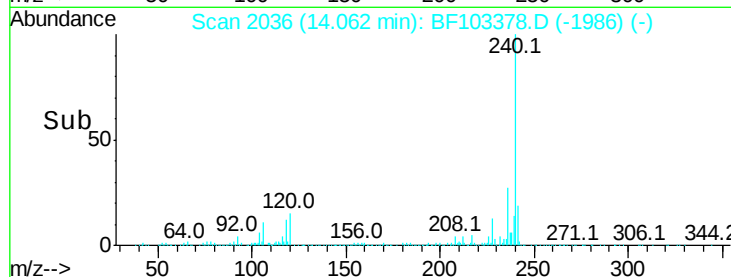
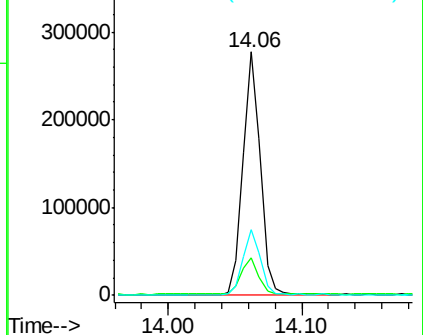
236 26.9 20.7 31.1



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: 15.021 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF103378.D

Acq: 2 Mar 2018 21:03

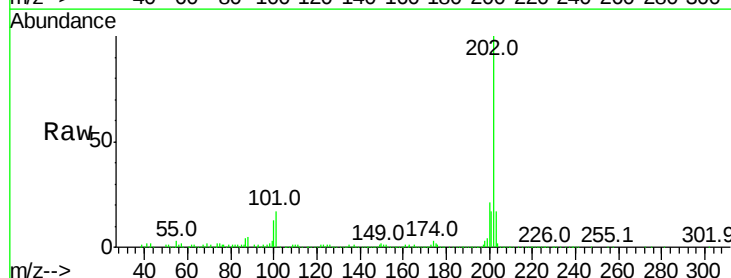
Tgt Ion:202 Resp: 295069

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

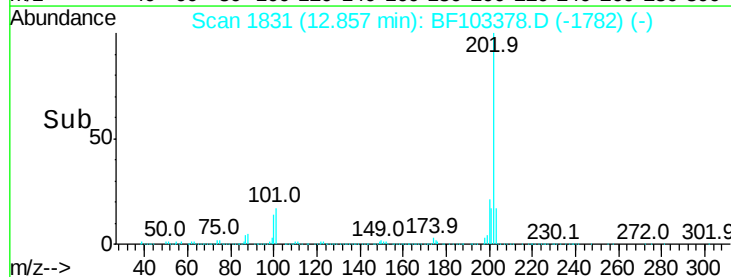
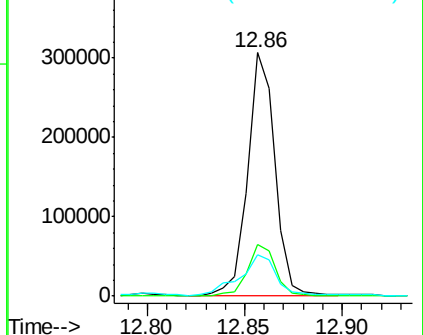
203 16.9 14.3 21.5

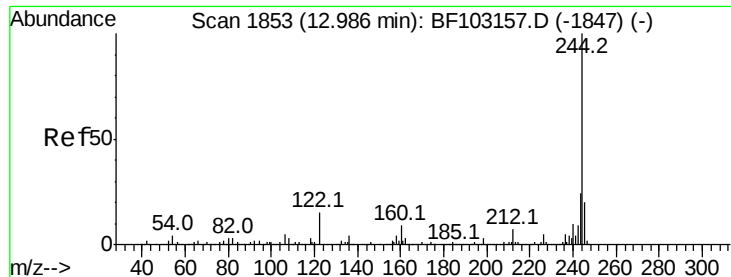


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 61.703 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF103378.D

Acq: 2 Mar 2018 21:03

Instrument :

BNA_F

ClientSampleId :

SP-35

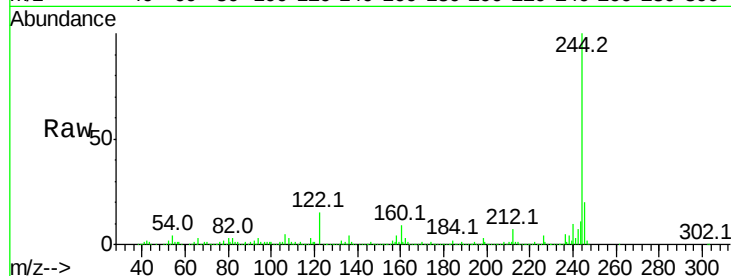
Tot Ion:244 Resp: 646717

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

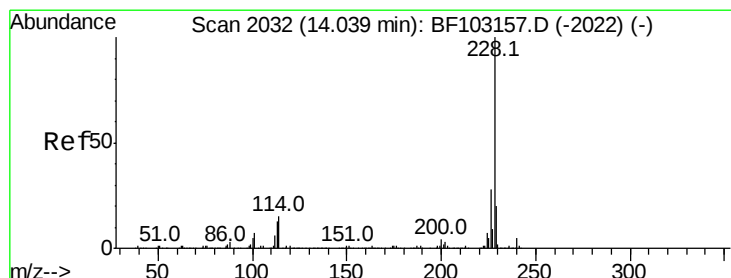
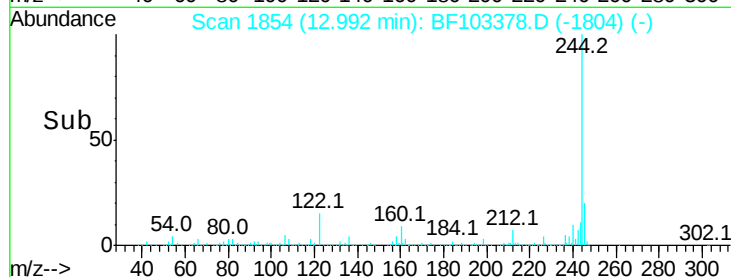
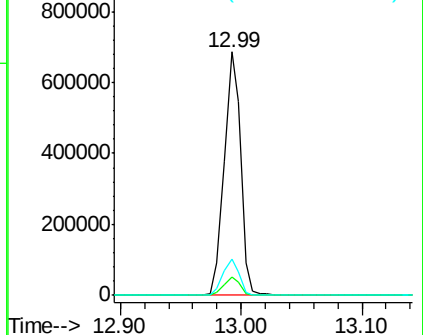
122 15.1 11.0 16.4



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: 9.536 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103378.D

Acq: 2 Mar 2018 21:03

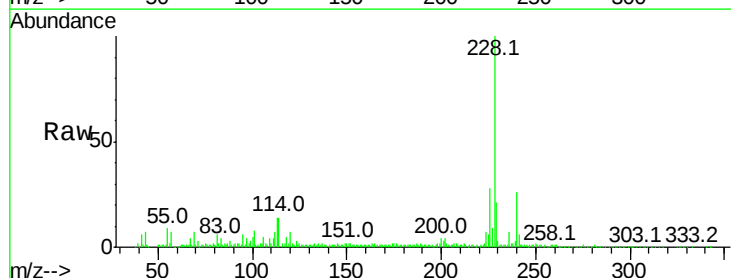
Tgt Ion:228 Resp: 155890

Ion Ratio Lower Upper

228 100

226 27.9 22.6 33.8

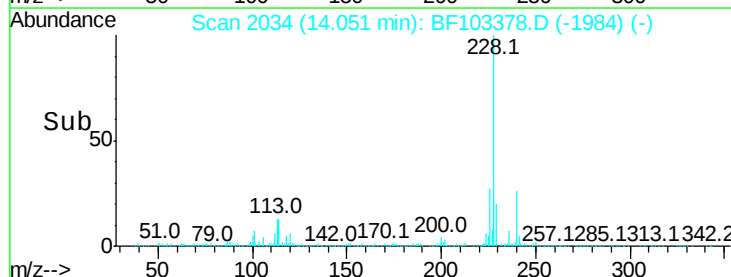
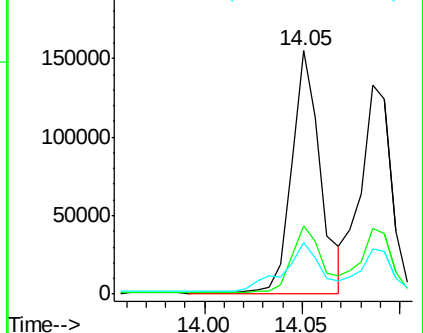
229 21.0 15.8 23.6

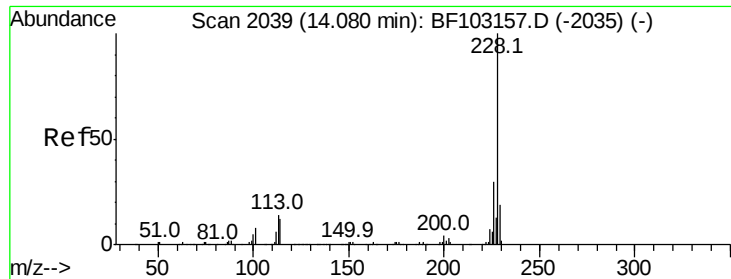


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

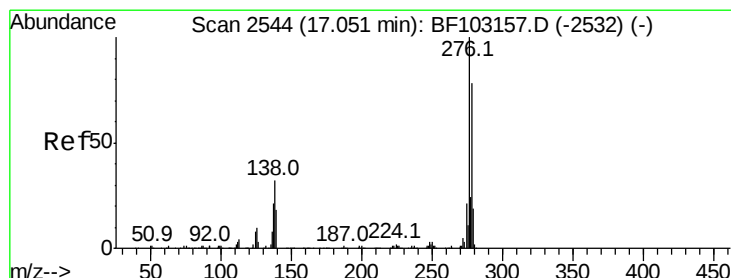
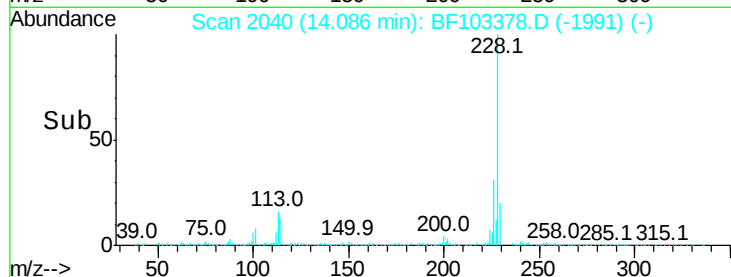
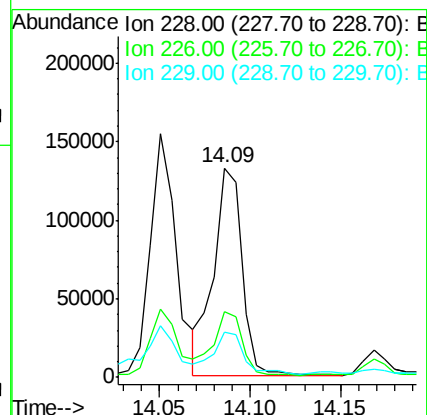
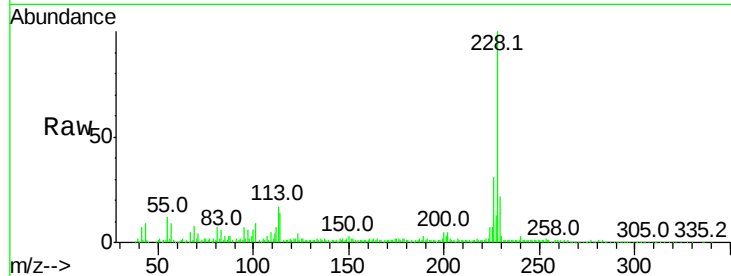




#82
Chrysene
Concen: 9.273 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF103378.D
Acq: 2 Mar 2018 21:03

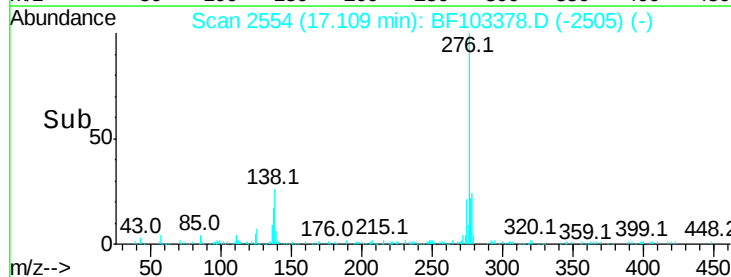
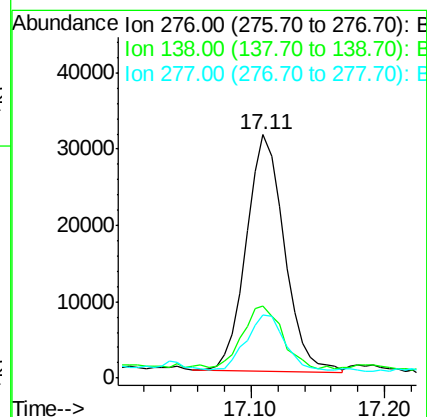
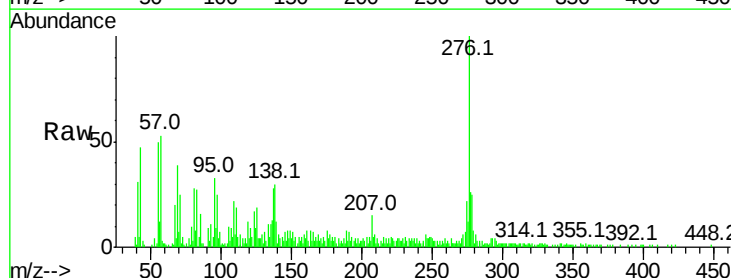
Instrument :
BNA_F
ClientSampled :
SP-35

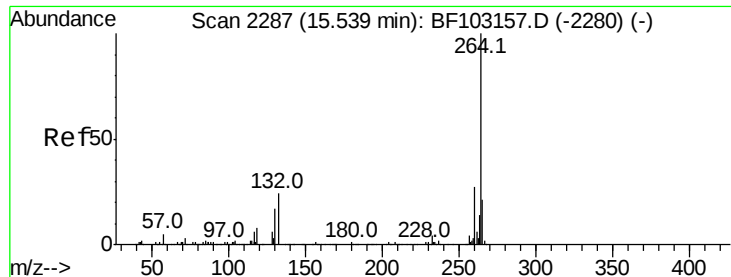
Tot Ion:228 Resp: 147188
Ion Ratio Lower Upper
228 100
226 31.4 25.0 37.6
229 21.5 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.884 ng
RT: 17.11 min Scan# 2554
Delta R.T. -0.01 min
Lab File: BF103378.D
Acq: 2 Mar 2018 21:03

Tgt Ion:276 Resp: 61376
Ion Ratio Lower Upper
276 100
138 27.4 25.0 37.6
277 23.1 20.1 30.1



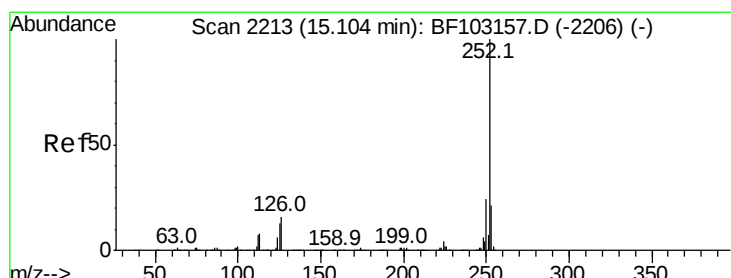
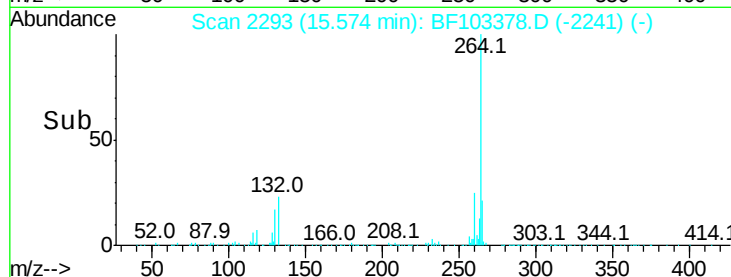
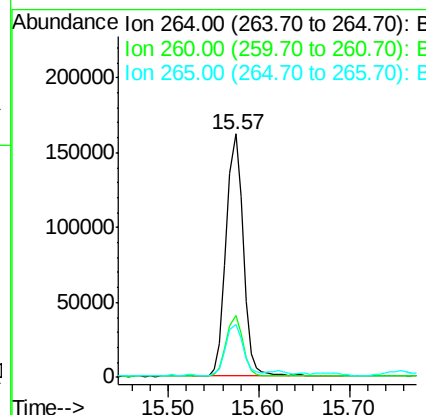
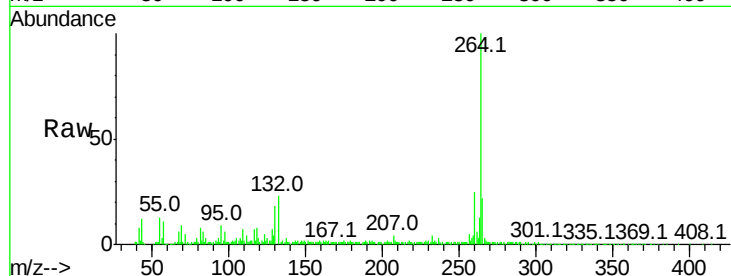


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.01 min
Lab File: BF103378.D
Acq: 2 Mar 2018 21:03

Instrument :
BNA_F
ClientSampleId :
SP-35

Tot Ion:264 Resp: 213510

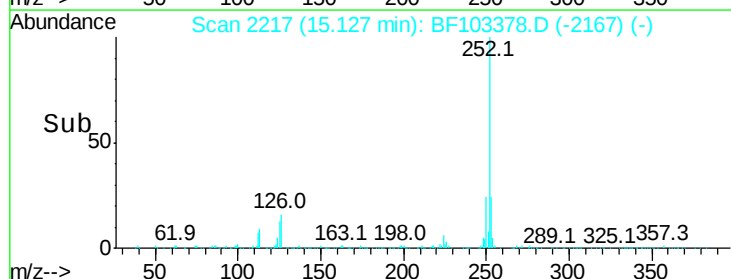
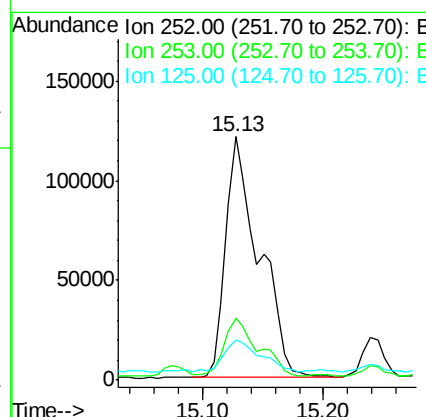
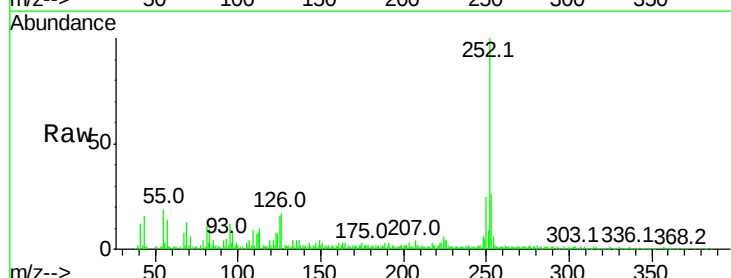
Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.2	28.8
265	21.7	17.5	26.3

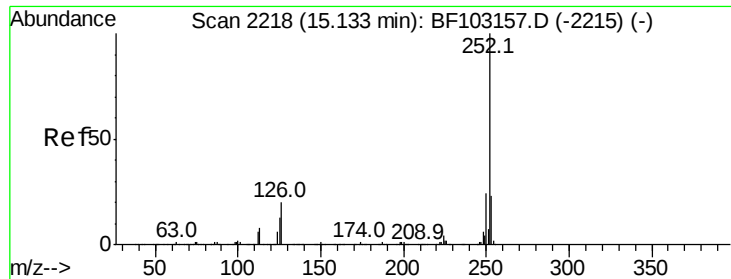


#87
Benzo(b)fluoranthene
Concen: 16.604 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF103378.D
Acq: 2 Mar 2018 21:03

Tgt Ion:252 Resp: 233085

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

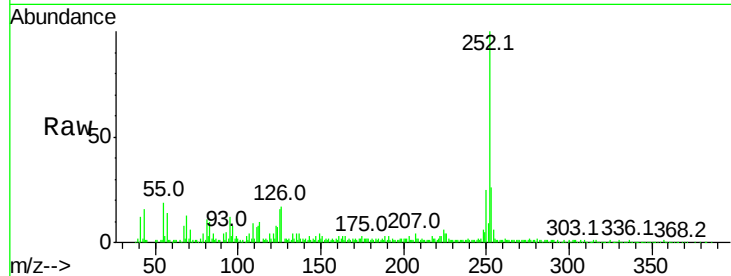




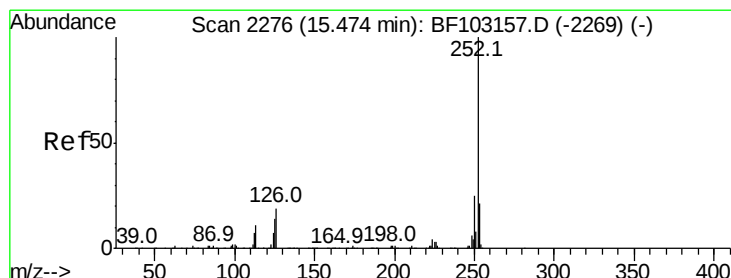
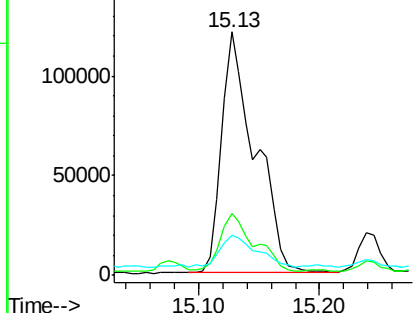
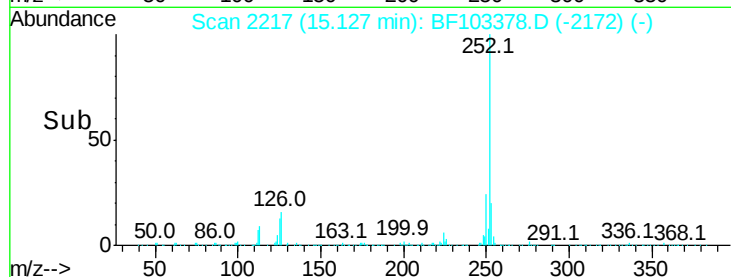
#88
Benzo(k)fluoranthene
Concen: 17.632 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.04 min
Lab File: BF103378.D
Acq: 2 Mar 2018 21:03

Instrument :
BNA_F
ClientSampleId :
SP-35

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.9	26.9
125	16.4	10.2	15.2

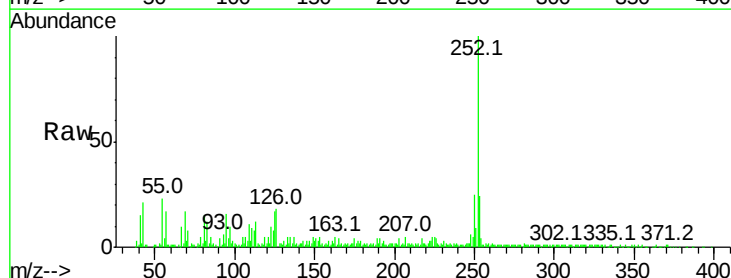


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

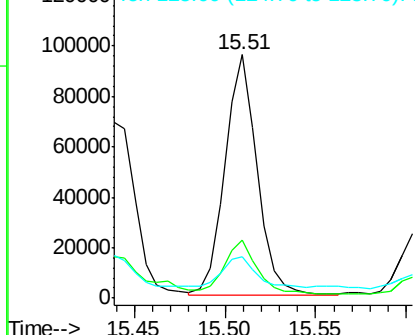
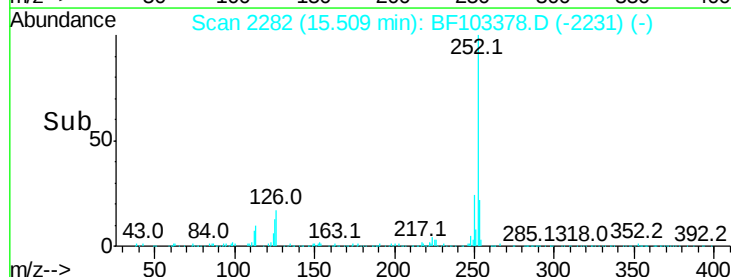


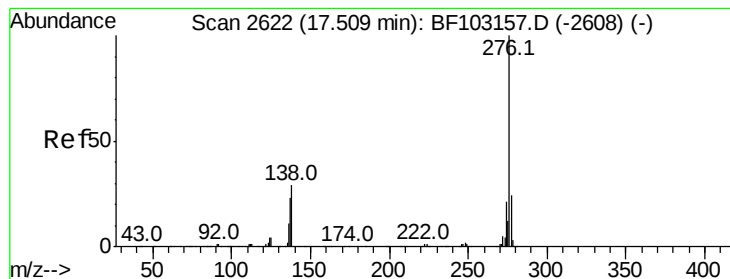
#89
Benzo(a)pyrene
Concen: 9.463 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.00 min
Lab File: BF103378.D
Acq: 2 Mar 2018 21:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	17.0	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





#91

Benzo(a,h,i)perylene

Concen: 6.129 ng

RT: 17.58 min Scan# 2634

Delta R.T. -0.00 min

Lab File: BF103378.D

Acq: 2 Mar 2018 21:03

Instrument :

BNA_F

ClientSampleId :

SP-35

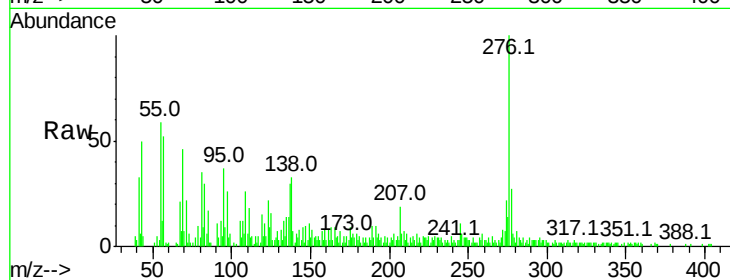
Tot Ion:276 Resp: 58021

Ion Ratio Lower Upper

276 100

277 27.4 17.9 26.9#

138 39.9 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

