

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103410.D
 Acq On : 5 Mar 2018 15:30
 Operator : SJ/JU
 Sample : J1751-11 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 05 16:59:32 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 05 13:40:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	135920	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	538186	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	216516	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	310835	20.00	ng	0.00
75) Chrysene-d12	14.07	240	245061	20.00	ng	0.00
86) Perylene-d12	15.59	264	173059	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	414762	46.15	ng	0.00
7) Phenol-d6	6.52	99	506221	46.03	ng	0.00
23) Nitrobenzene-d5	7.43	82	286865	30.44	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	58537	31.94	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	419459	27.50	ng	0.00
78) Terphenyl-d14	13.00	244	265240	26.02	ng	0.00

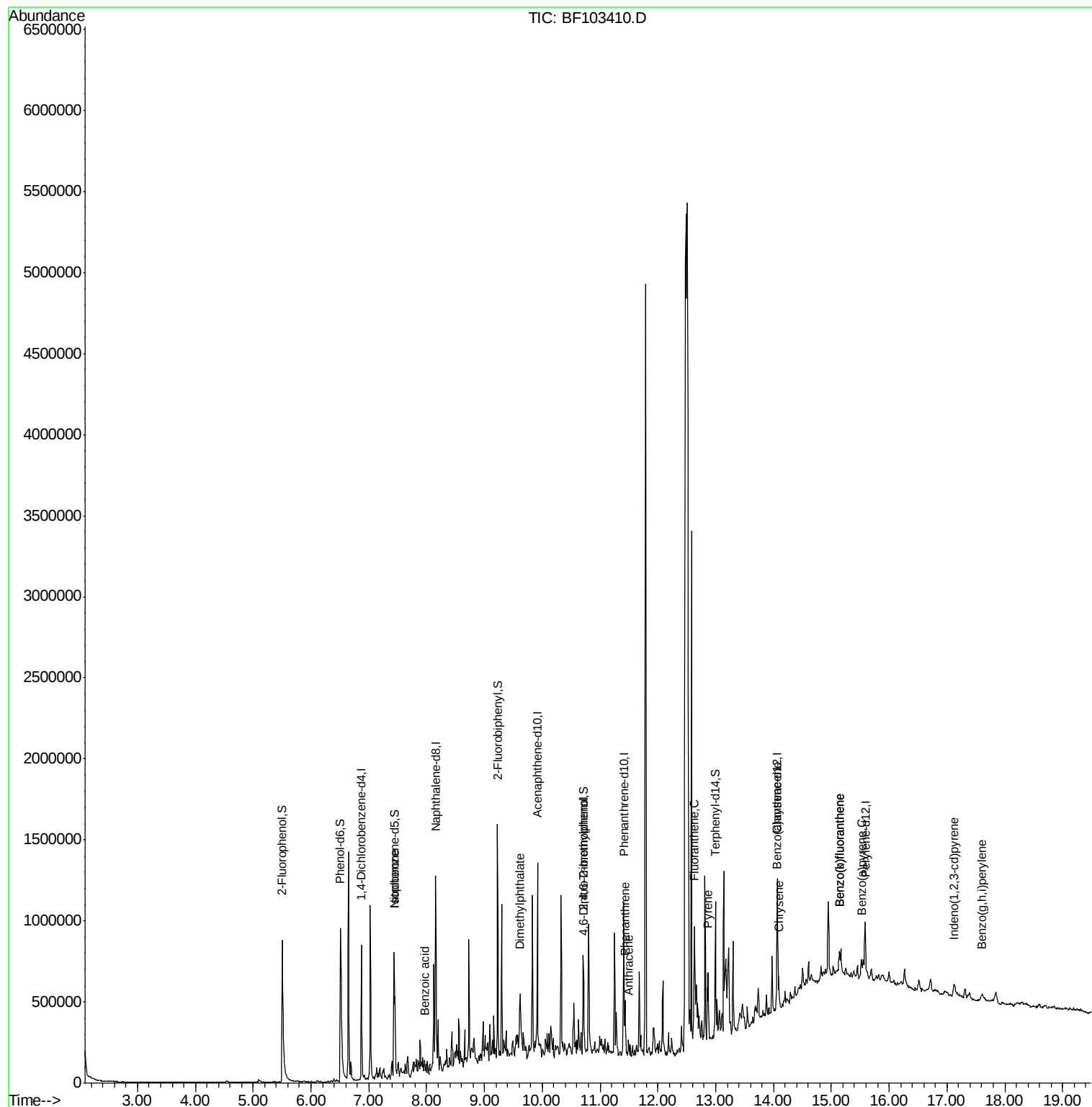
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.47	77	766	Below Cal		# 1
25) Isophorone	7.43	82	282256	15.207	ng	# 65
32) Benzoic acid	7.96	122	109	6.931	ng	# 1
49) Dimethylphthalate	9.62	163	51118	2.943	ng	# 99
64) 4,6-Dinitro-2-methylphenol	10.72	198	113	4.999	ng	# 1
70) Phenanthrene	11.43	178	98841	5.778	ng	99
71) Anthracene	11.49	178	36854	2.101	ng	99
74) Fluoranthene	12.63	202	174808	10.169	ng	99
77) Pyrene	12.87	202	170853	8.942	ng	100
80) Benzo(a)anthracene	14.06	228	87034	5.474	ng	98
82) Chrysene	14.09	228	74931	4.853	ng	97
85) Indeno(1,2,3-cd)pyrene	17.13	276	24975	2.043	ng	96
87) Benzo(b)fluoranthene	15.14	252	107438	9.442	ng	# 84
88) Benzo(k)fluoranthene	15.14	252	107438	10.027	ng	# 87
89) Benzo(a)pyrene	15.52	252	53409	5.256	ng	# 86
91) Benzo(g,h,i)perylene	17.60	276	26079	3.399	ng	94

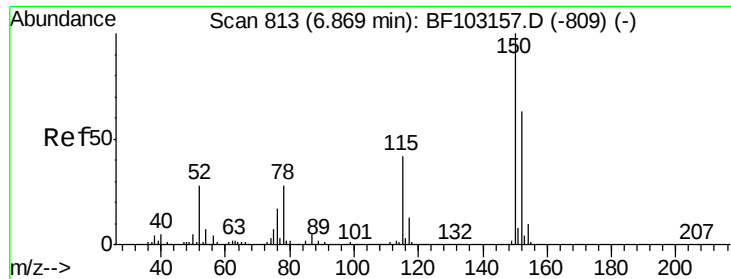
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103410.D
Acq On : 5 Mar 2018 15:30
Operator : SJ/JU
Sample : J1751-11 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Mar 05 16:59:32 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 05 13:40:47 2018
Response via : Initial Calibration



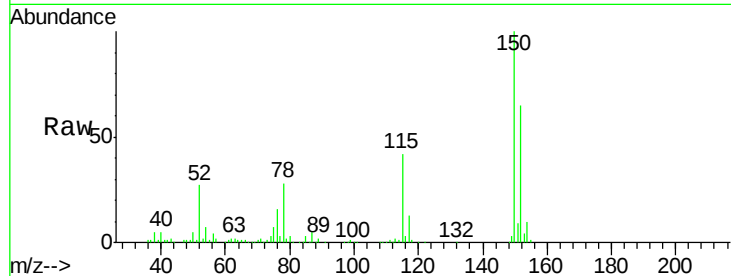


#1

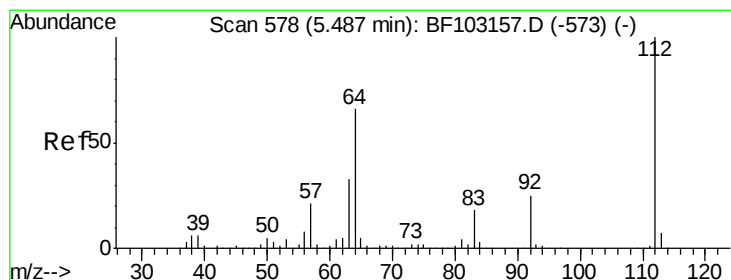
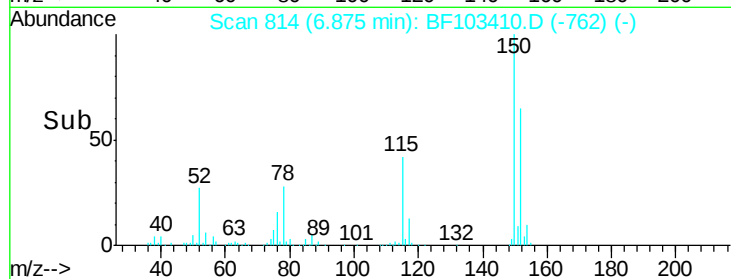
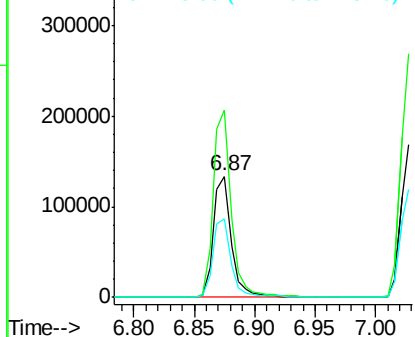
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103410.D
Acq: 5 Mar 2018 15:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 135920
Ion Ratio Lower Upper
152 100
150 154.9 124.6 186.8
115 65.3 50.1 75.1



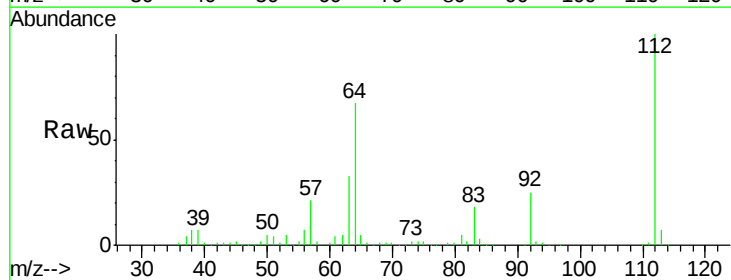
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



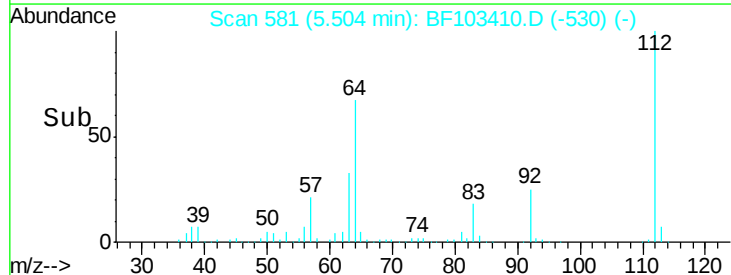
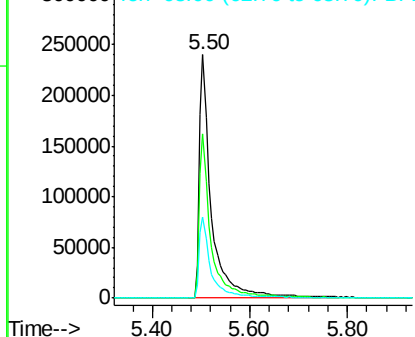
#5

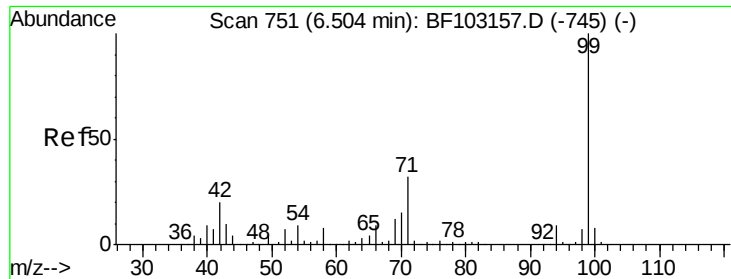
2-Fluorophenol
Concen: 46.152 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.00 min
Lab File: BF103410.D
Acq: 5 Mar 2018 15:30

Tgt Ion:112 Resp: 414762
Ion Ratio Lower Upper
112 100
64 67.4 47.9 71.9
63 33.4 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: 46.034 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF103410.D

Acq: 5 Mar 2018 15:30

Instrument :

BNA_F

ClientSampleId :

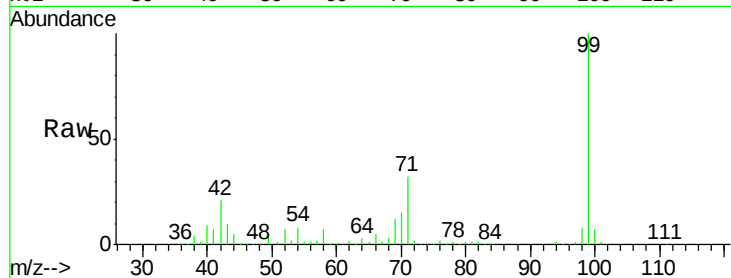
Tot Ion: 99 Resp: 506221

Ion Ratio Lower Upper

99 100

42 21.1 14.5 21.7

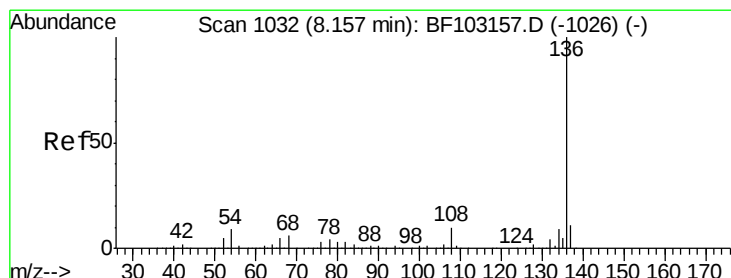
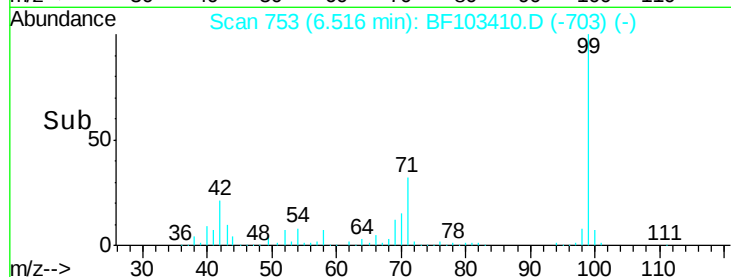
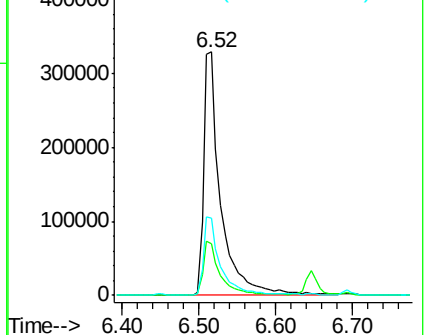
71 31.6 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF103410.D

Acq: 5 Mar 2018 15:30

Tgt Ion: 136 Resp: 538186

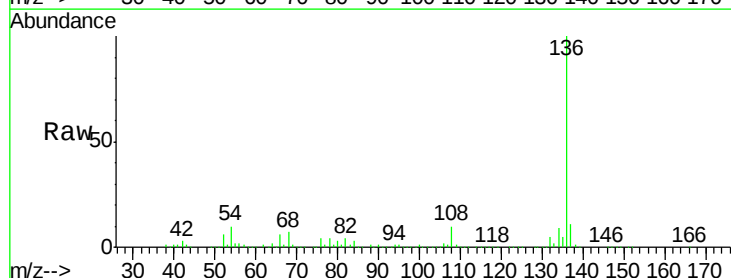
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.7 6.6 9.8

68 6.6 5.0 7.4

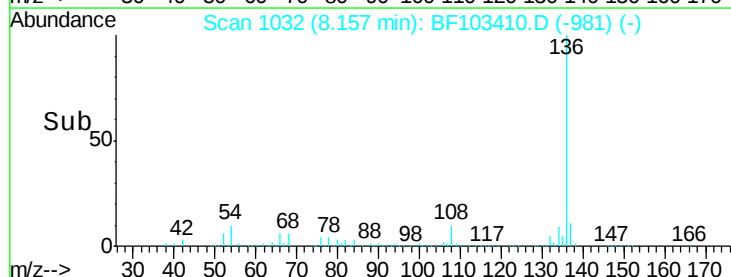
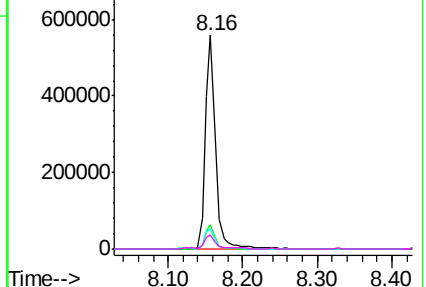


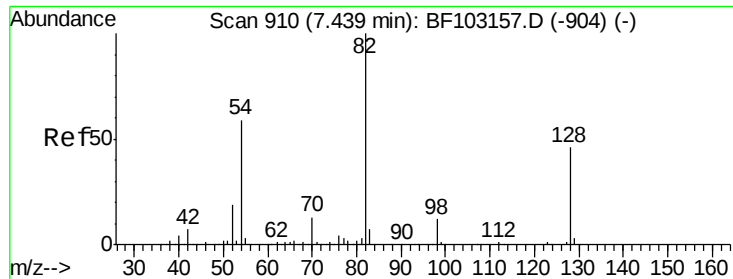
Abundance Ion 136.00 (135.70 to 136.70): E

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

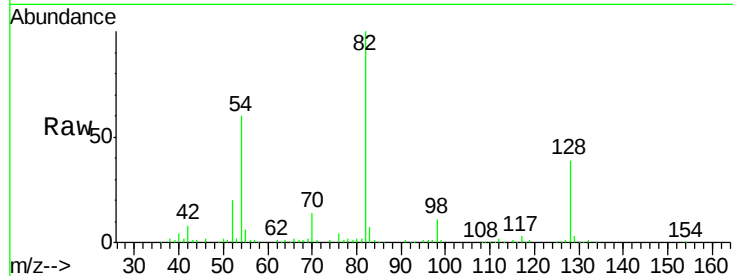




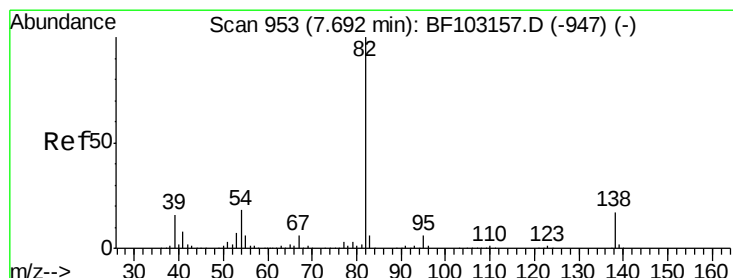
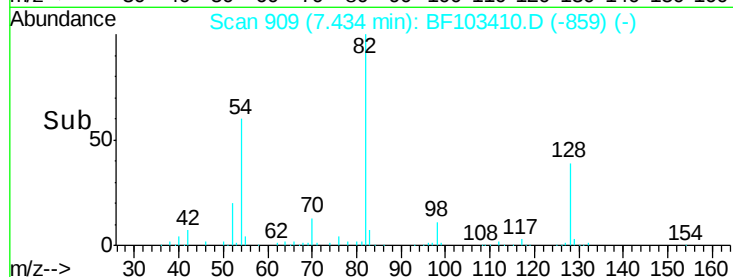
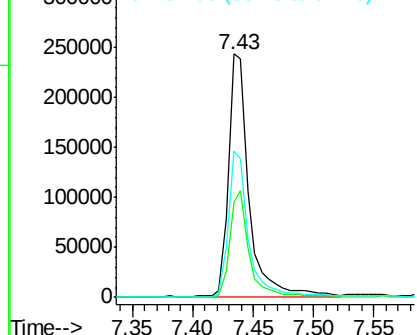
#23
Nitrobenzene-d5
Concen: 30.440 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103410.D
Acq: 5 Mar 2018 15:30

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 286865
Ion Ratio Lower Upper
82 100
128 39.0 36.1 54.1
54 60.3 41.4 62.2

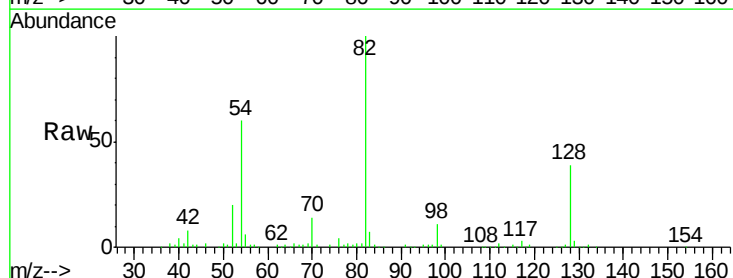


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

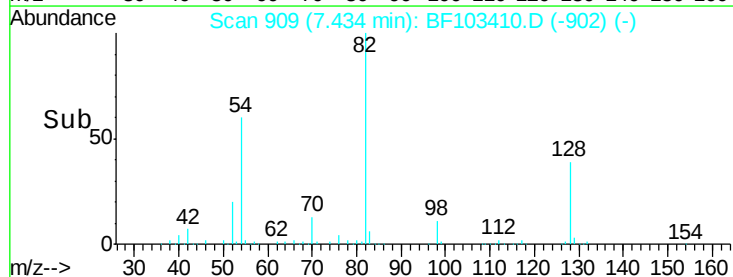
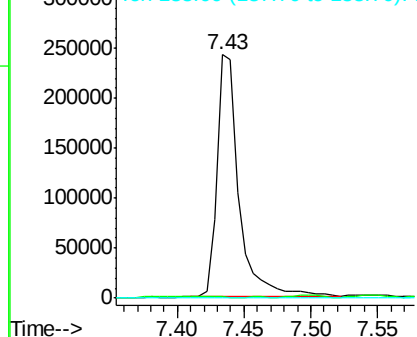


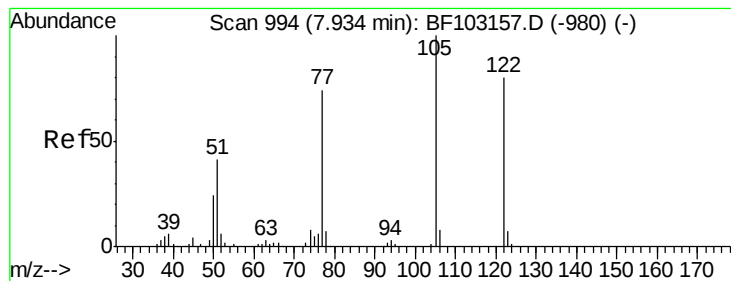
#25
Isophorone
Concen: 15.207 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.26 min
Lab File: BF103410.D
Acq: 5 Mar 2018 15:30

Tgt Ion: 82 Resp: 282256
Ion Ratio Lower Upper
82 100
95 0.5 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: 6.931 ng

RT: 7.96 min Scan# 999

Delta R.T. 0.00 min

Lab File: BF103410.D

Acq: 5 Mar 2018 15:30

Instrument :

BNA_F

ClientSampleId :

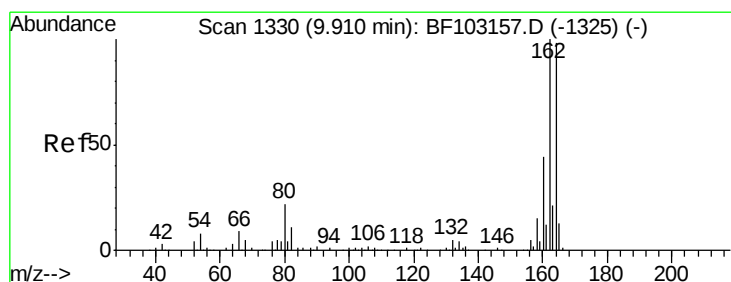
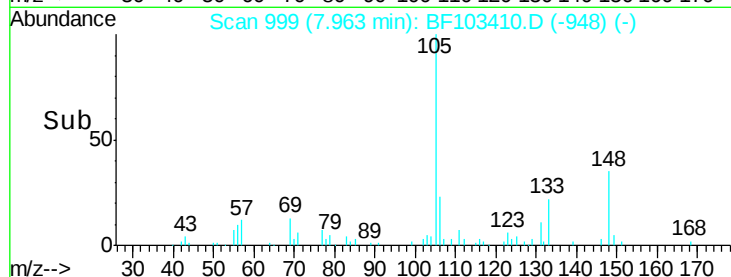
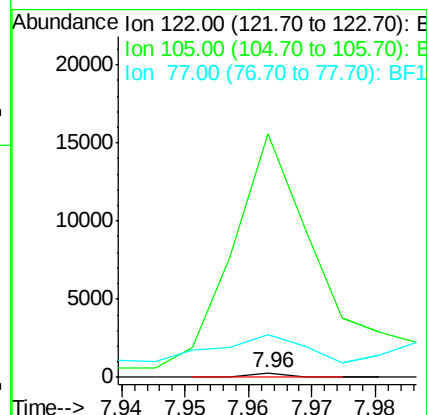
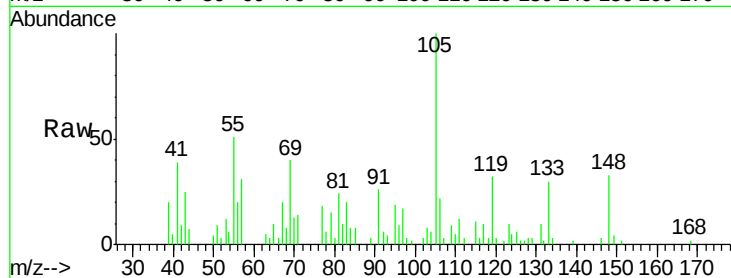
Tot Ion:122 Resp: 109

Ion Ratio Lower Upper

122 100

105 5060.1 101.1 141.1#

77 899.4 70.7 110.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BF103410.D

Acq: 5 Mar 2018 15:30

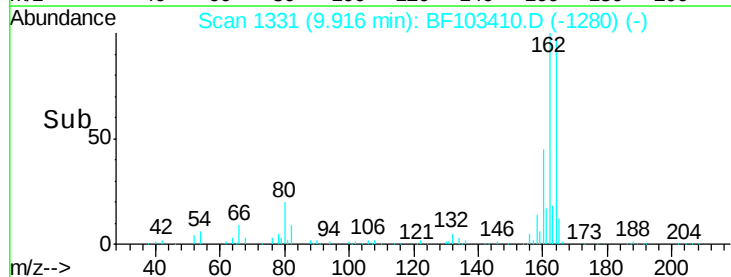
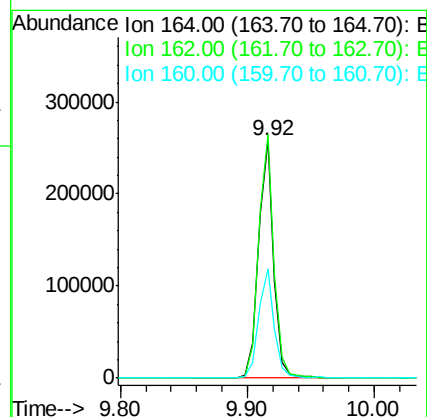
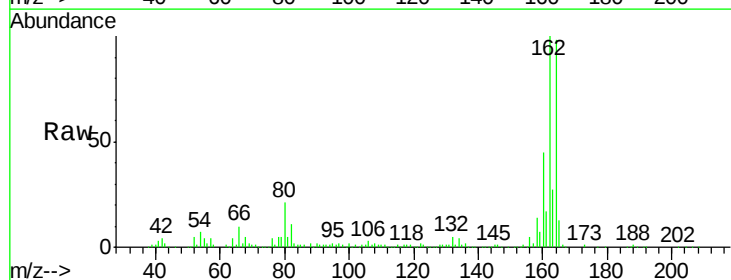
Tgt Ion:164 Resp: 216516

Ion Ratio Lower Upper

164 100

162 102.5 86.1 129.1

160 46.2 38.3 57.5

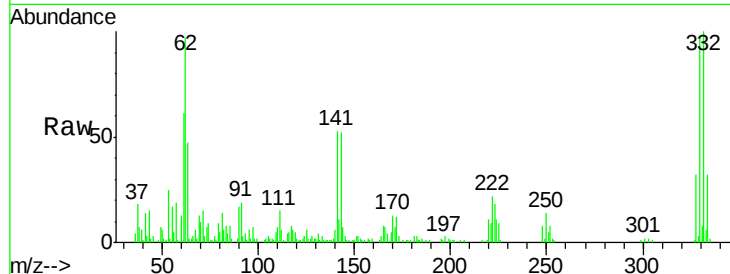




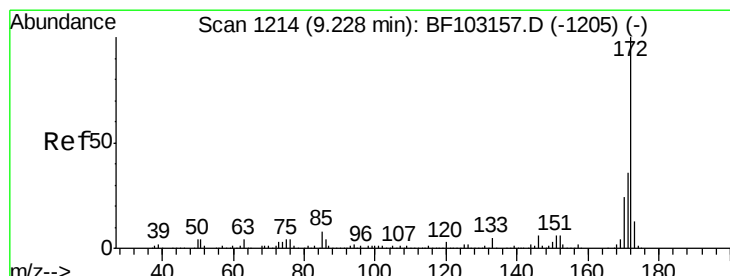
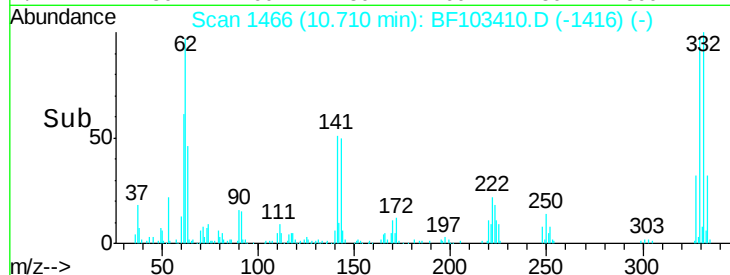
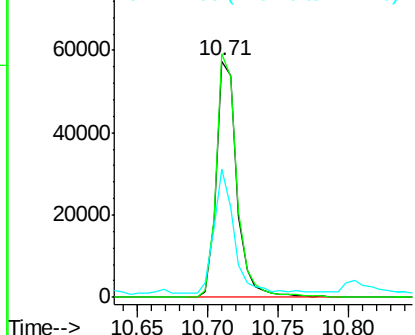
#41
 2,4,6-Tribromophenol
 Concen: 31.940 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103410.D
 Acq: 5 Mar 2018 15:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 58537
 Ion Ratio Lower Upper
 330 100
 332 102.6 77.0 115.6
 141 52.1 29.9 44.9#

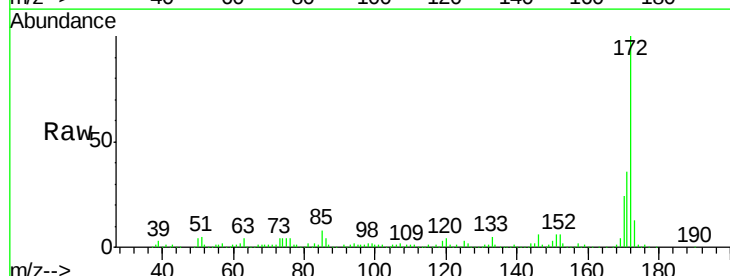


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

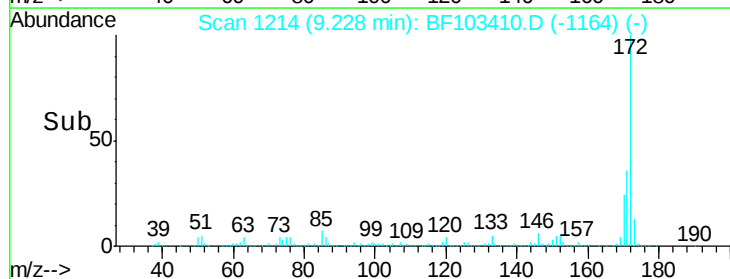
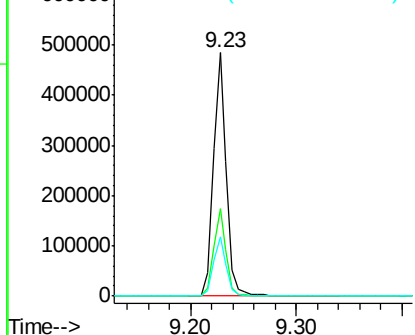


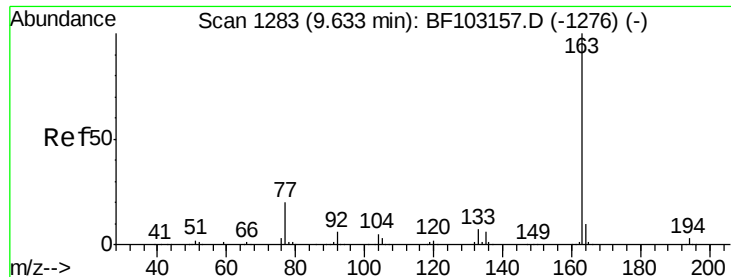
#44
 2-Fluorobiphenyl
 Concen: 27.501 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103410.D
 Acq: 5 Mar 2018 15:30

Tgt Ion:172 Resp: 419459
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 24.3 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

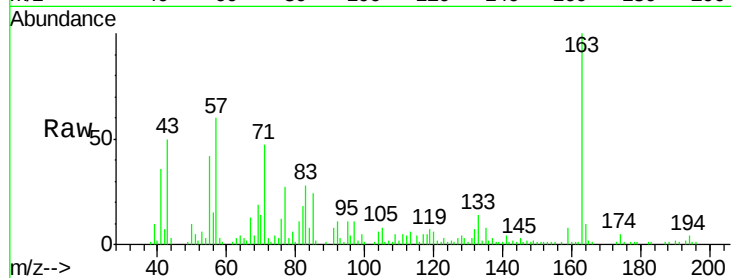




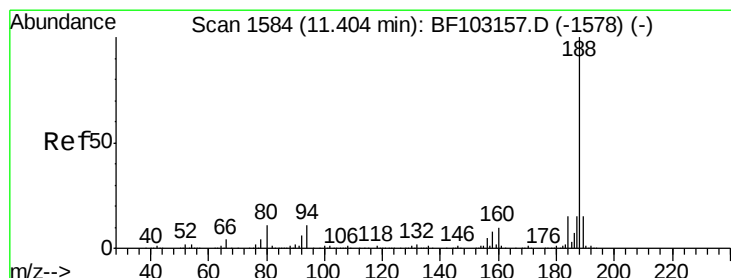
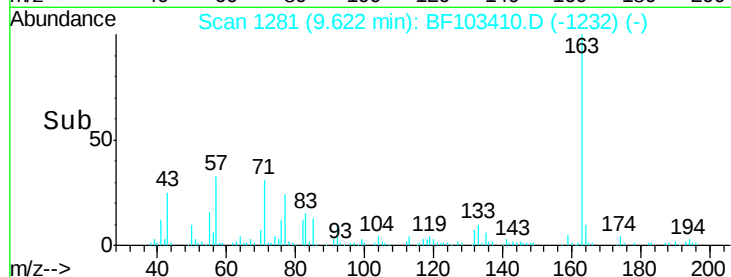
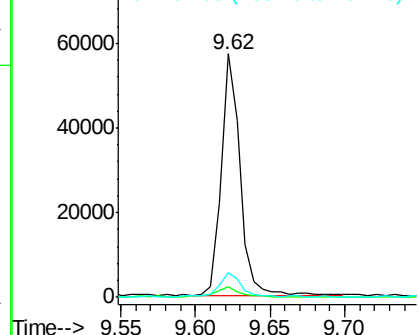
#49
Dimethylphthalate
Concen: 2.943 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103410.D
Acq: 5 Mar 2018 15:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 51118
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 10.4 8.2 12.2

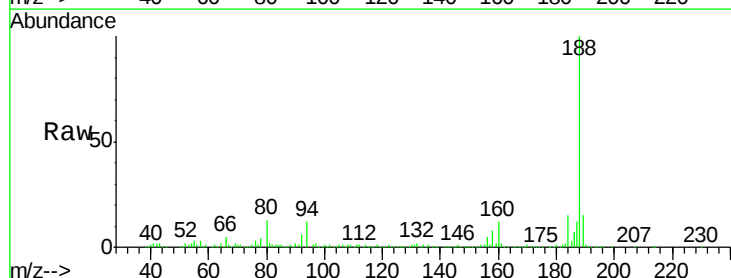


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

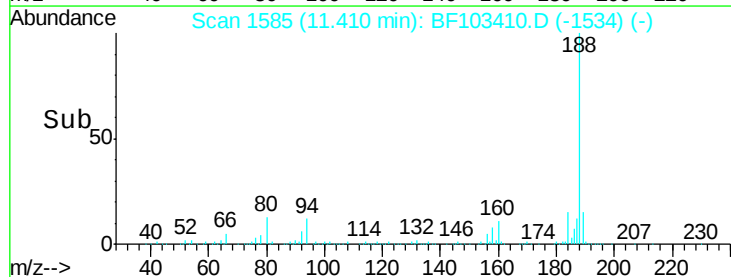
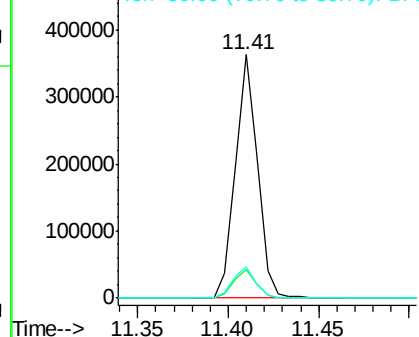


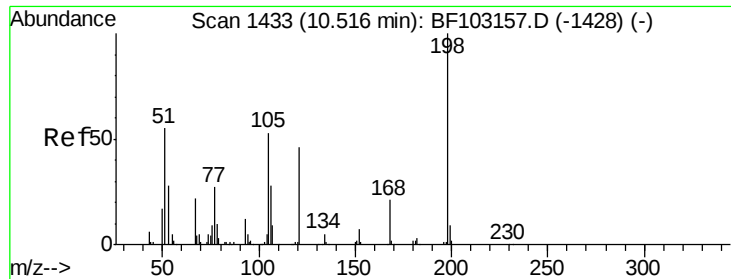
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF103410.D
Acq: 5 Mar 2018 15:30

Tgt Ion:188 Resp: 310835
Ion Ratio Lower Upper
188 100
94 11.7 8.5 12.7
80 12.9 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

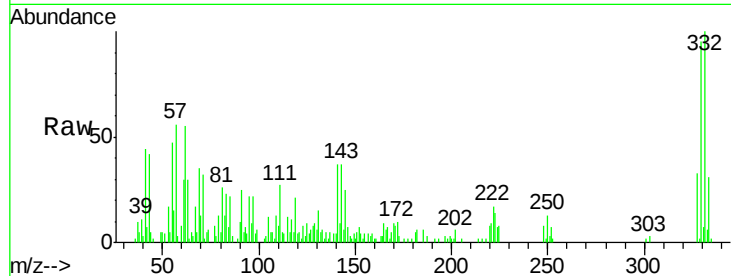




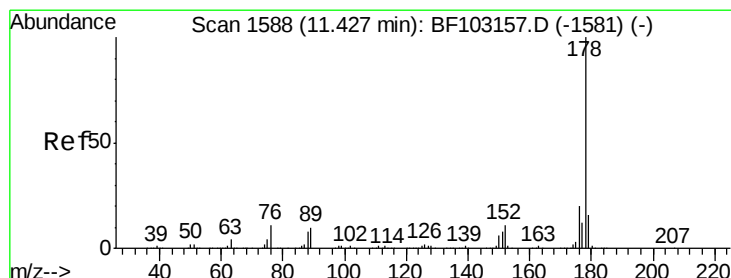
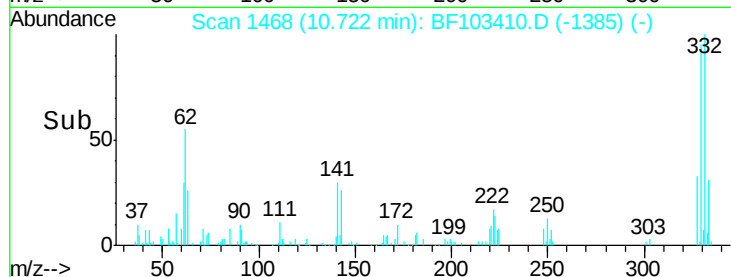
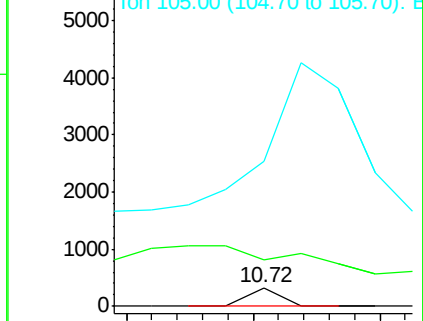
#64
 4,6-Dinitro-2-methylphenol
 Concen: 4.999 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.19 min
 Lab File: BF103410.D
 Acq: 5 Mar 2018 15:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 113
 Ion Ratio Lower Upper
 198 100
 51 254.2 37.7 77.7#
 105 789.7 36.3 76.3#

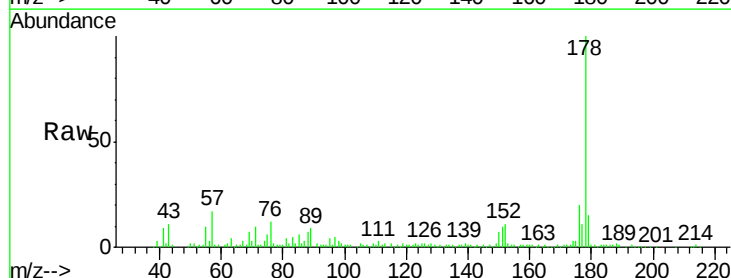


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

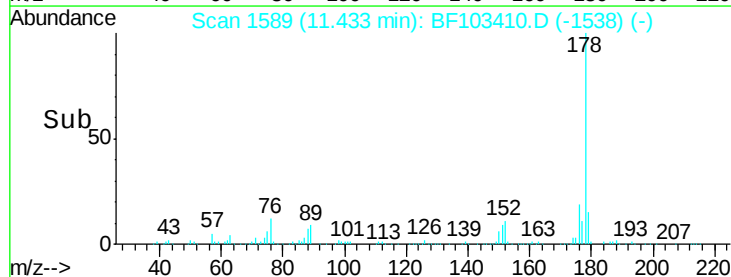
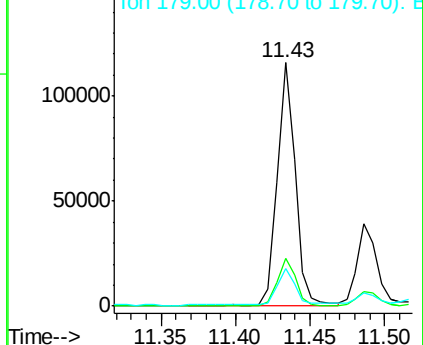


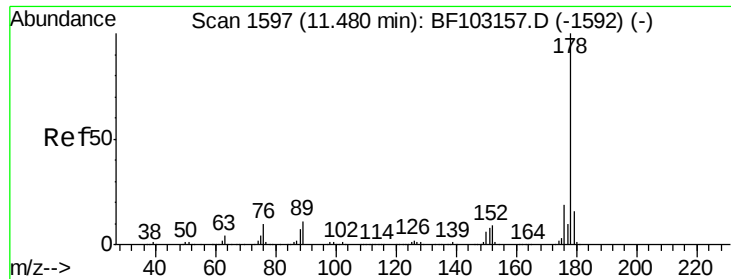
#70
 Phenanthrene
 Concen: 5.778 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: BF103410.D
 Acq: 5 Mar 2018 15:30

Tgt Ion:178 Resp: 98841
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.8 23.8
 179 15.2 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

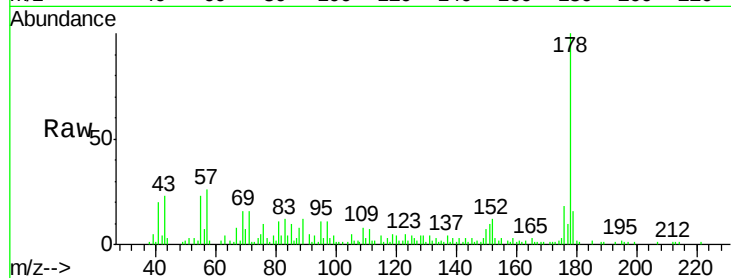




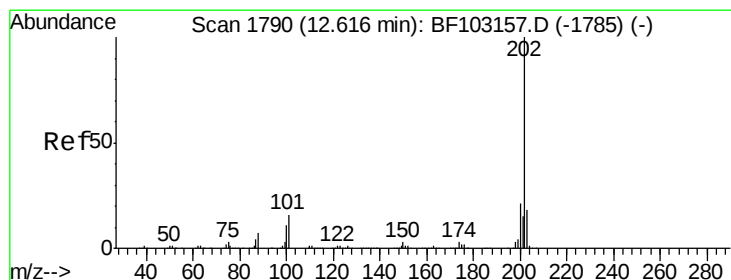
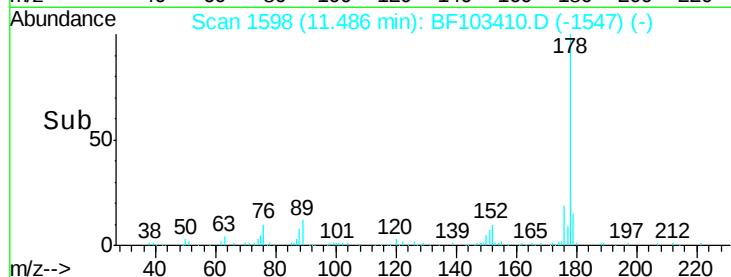
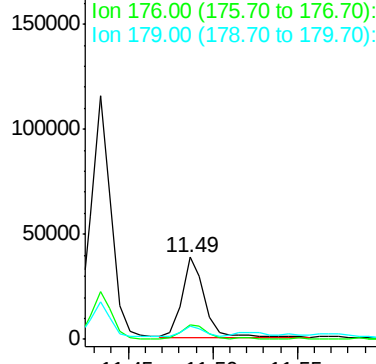
#71
 Anthracene
 Concen: 2.101 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: BF103410.D
 Acq: 5 Mar 2018 15:30

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 36854
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.2
 179 15.8 12.6 19.0

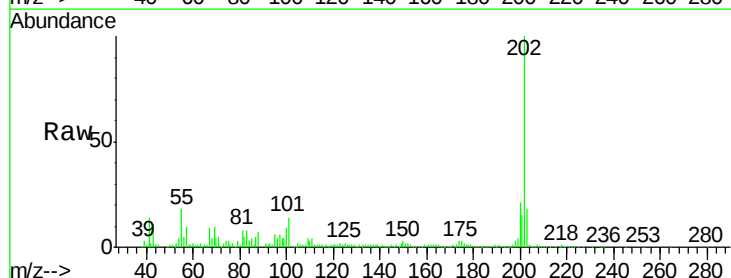


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

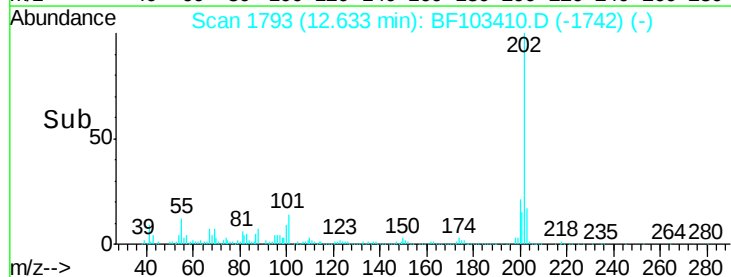
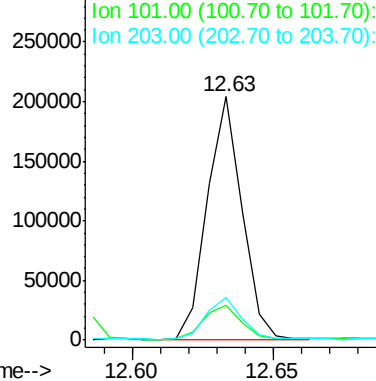


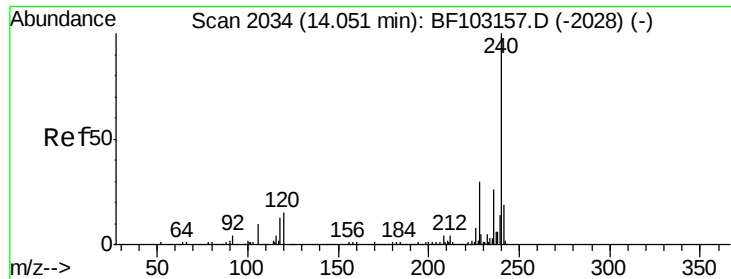
#74
 Fluoranthene
 Concen: 10.169 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. 0.00 min
 Lab File: BF103410.D
 Acq: 5 Mar 2018 15:30

Tgt Ion:202 Resp: 174808
 Ion Ratio Lower Upper
 202 100
 101 14.4 0.0 34.1
 203 17.5 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# 2037

Delta R.T. 0.00 min

Lab File: BF103410.D

Acq: 5 Mar 2018 15:30

Instrument :

BNA_F

ClientSampleId :

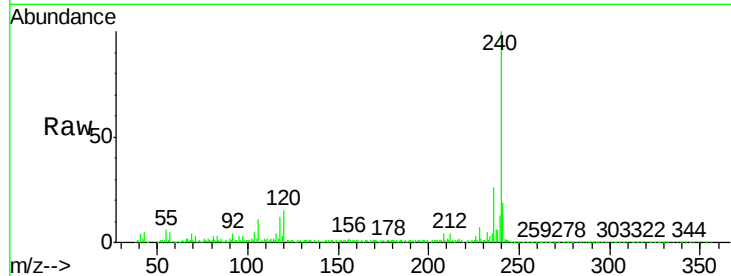
Tot Ion:240 Resp: 245061

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

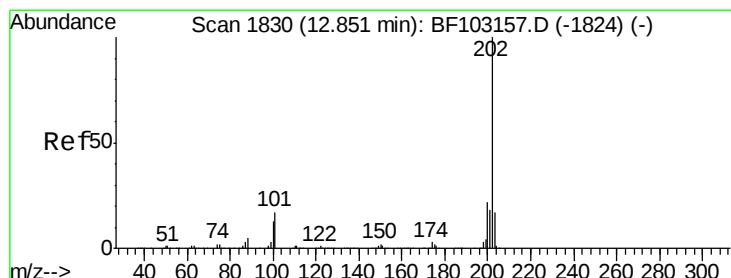
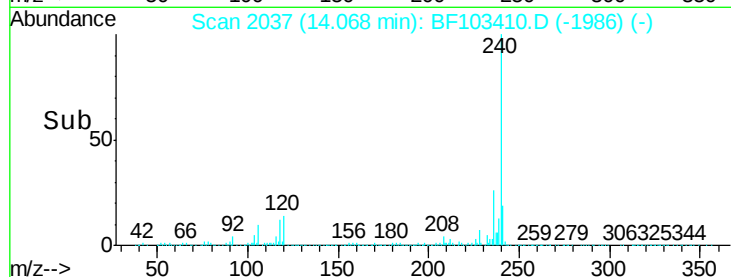
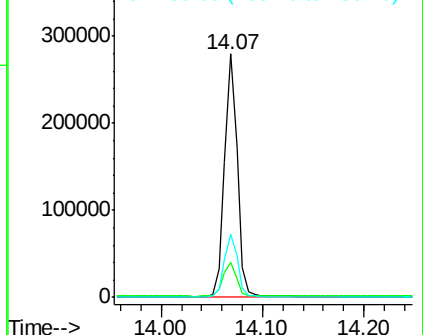
236 26.2 20.7 31.1



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: 8.942 ng

RT: 12.87 min Scan# 1833

Delta R.T. 0.01 min

Lab File: BF103410.D

Acq: 5 Mar 2018 15:30

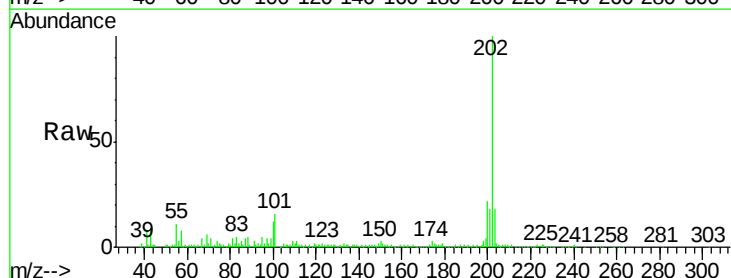
Tgt Ion:202 Resp: 170853

Ion Ratio Lower Upper

202 100

200 22.1 17.4 26.2

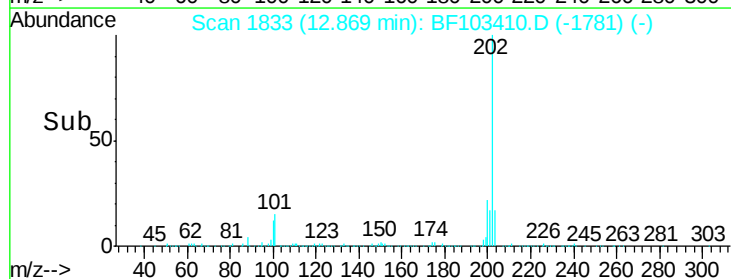
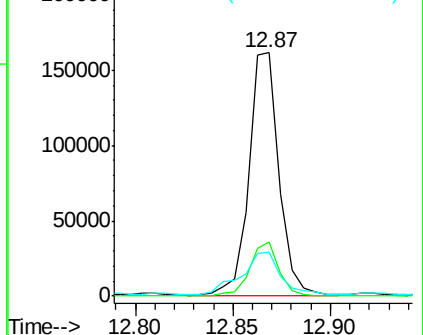
203 17.9 14.3 21.5

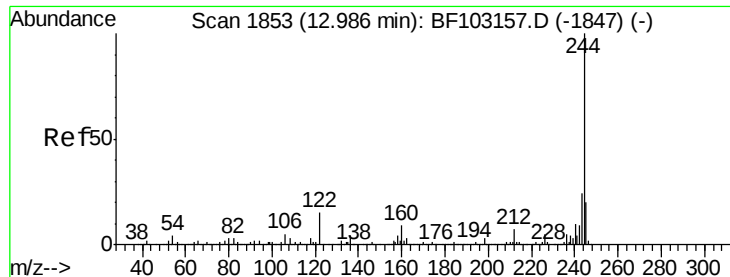


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 26.018 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.01 min

Lab File: BF103410.D

Acq: 5 Mar 2018 15:30

Instrument :

BNA_F

ClientSampleId :

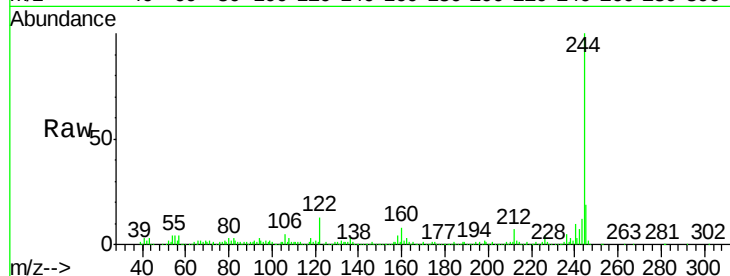
Tot Ion:244 Resp: 265240

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

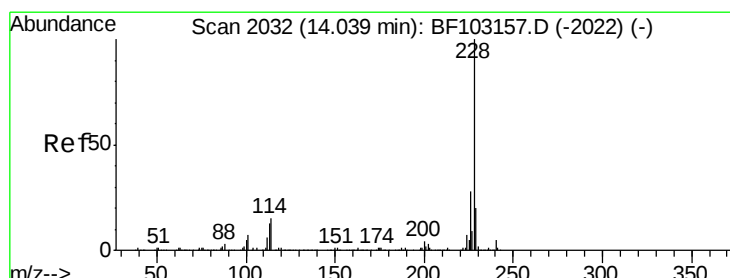
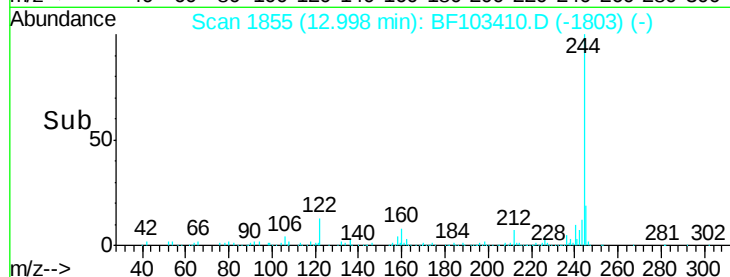
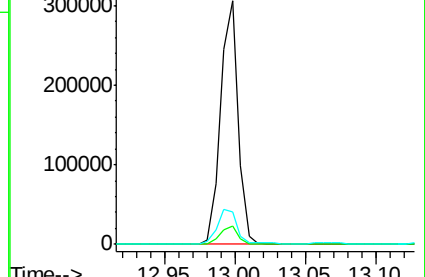
122 13.2 11.0 16.4



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: 5.474 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BF103410.D

Acq: 5 Mar 2018 15:30

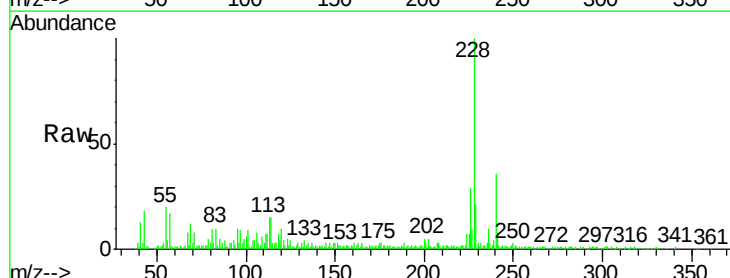
Tgt Ion:228 Resp: 87034

Ion Ratio Lower Upper

228 100

226 28.8 22.6 33.8

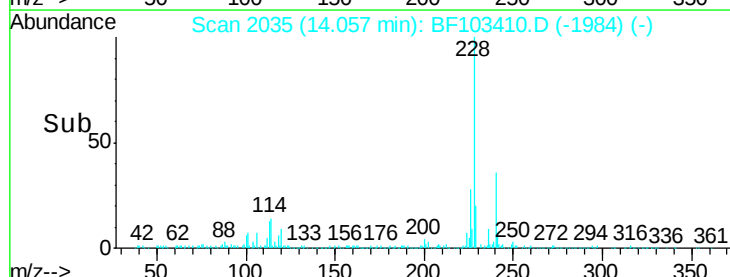
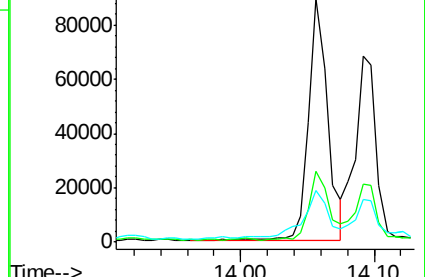
229 21.3 15.8 23.6

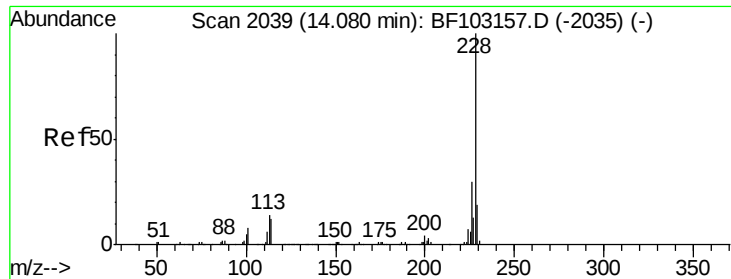


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

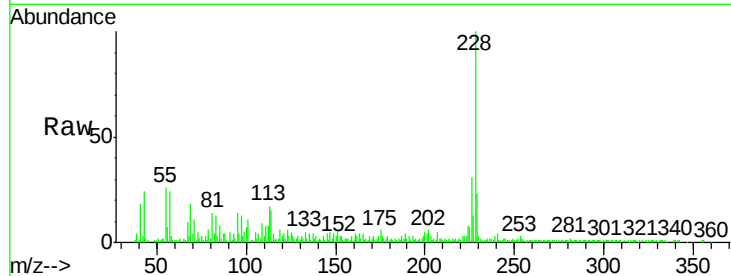




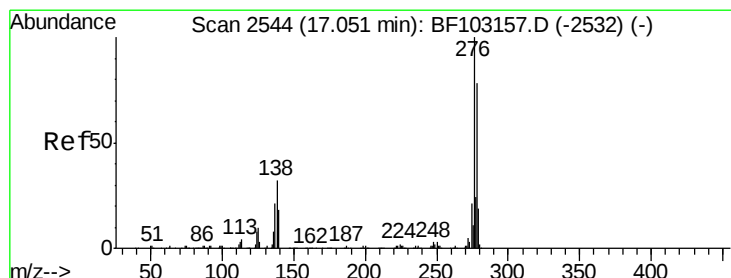
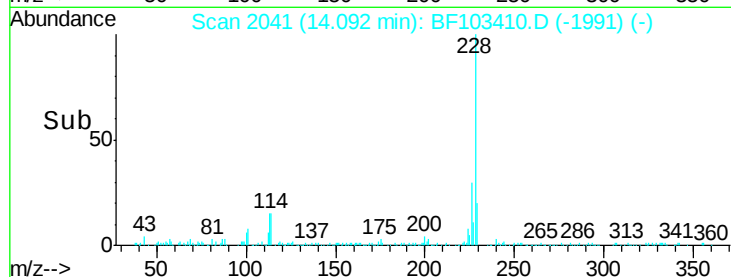
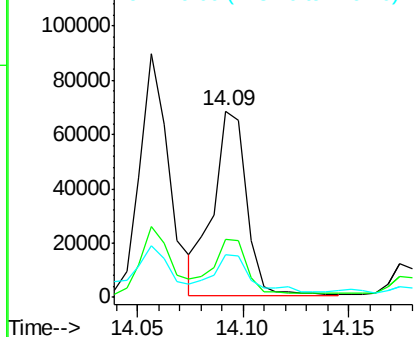
#82
Chrysene
Concen: 4.853 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103410.D
Acq: 5 Mar 2018 15:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 74931
Ion Ratio Lower Upper
228 100
226 31.2 25.0 37.6
229 23.1 16.2 24.4

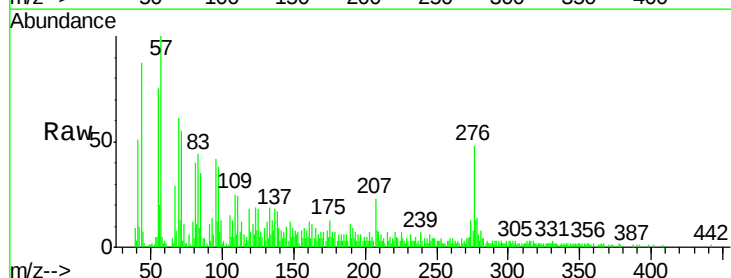


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

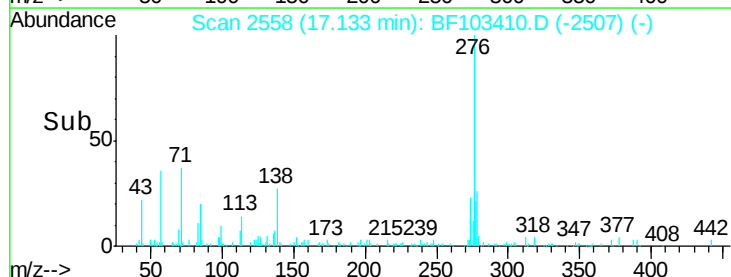
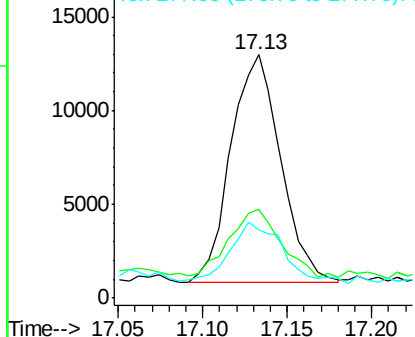


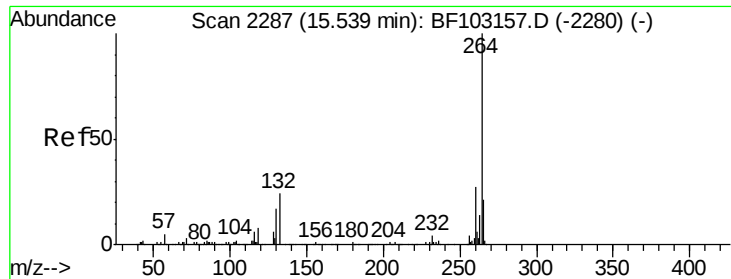
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.043 ng
RT: 17.13 min Scan# 2558
Delta R.T. 0.00 min
Lab File: BF103410.D
Acq: 5 Mar 2018 15:30

Tgt Ion:276 Resp: 24975
Ion Ratio Lower Upper
276 100
138 31.1 25.0 37.6
277 28.9 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

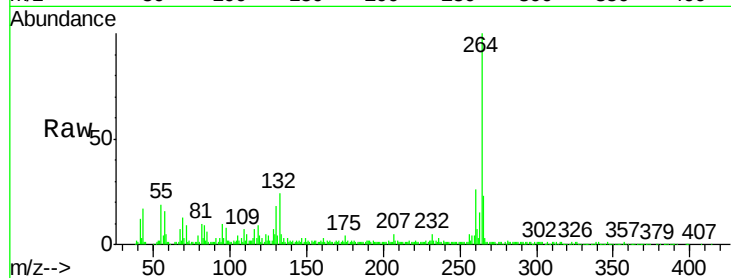




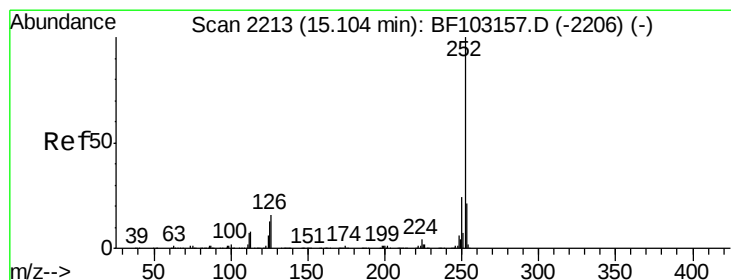
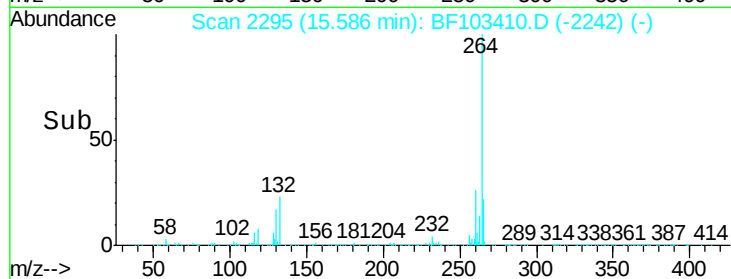
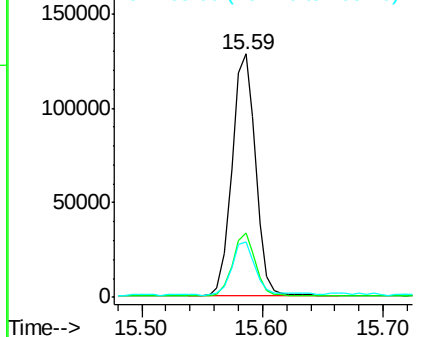
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.01 min
Lab File: BF103410.D
Acq: 5 Mar 2018 15:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.3	19.2	28.8
265	22.5	17.5	26.3

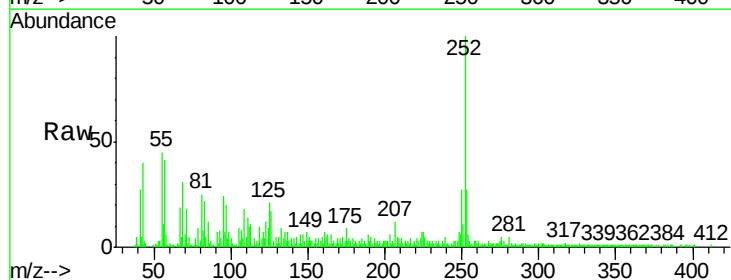


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

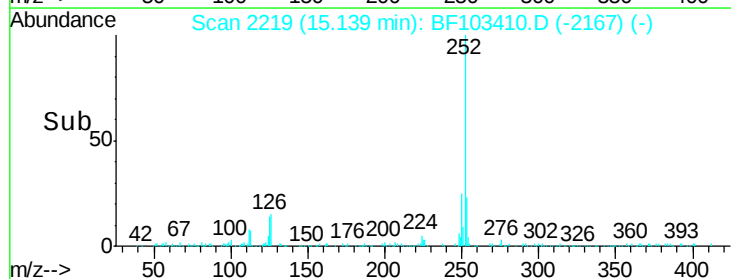
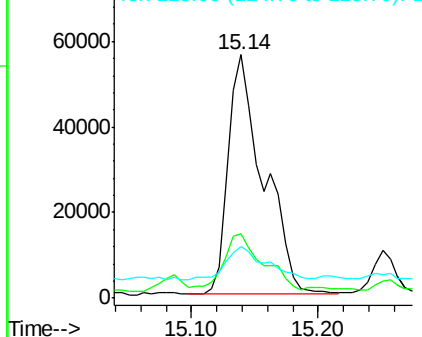


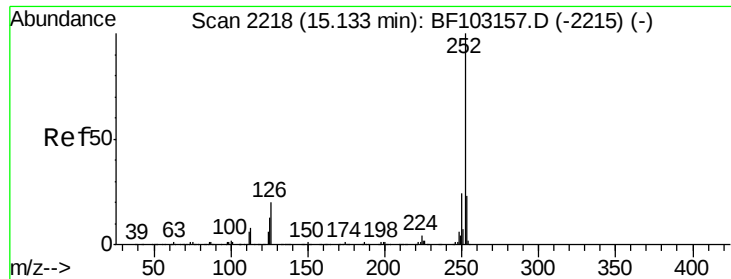
#87
Benzo(b)fluoranthene
Concen: 9.442 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BF103410.D
Acq: 5 Mar 2018 15:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.0	25.6#
125	21.1	9.0	13.6#



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

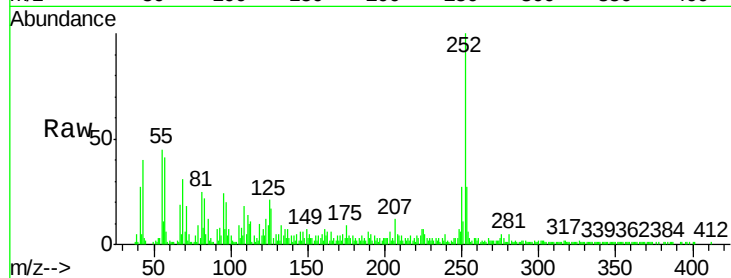




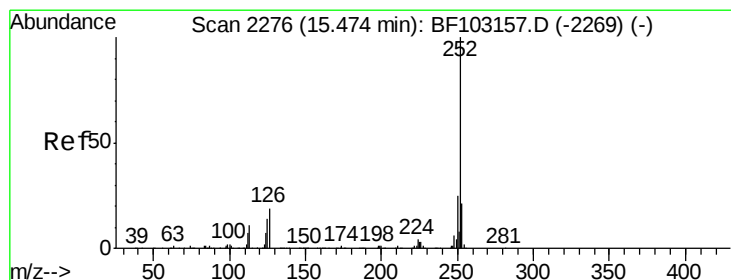
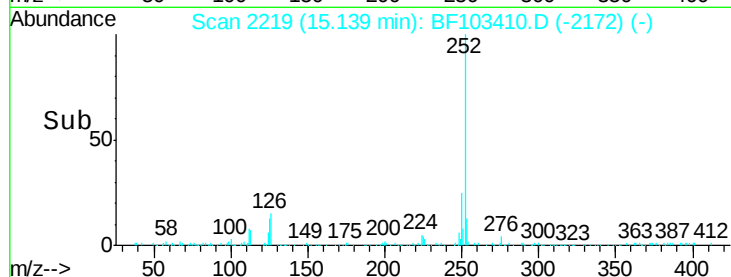
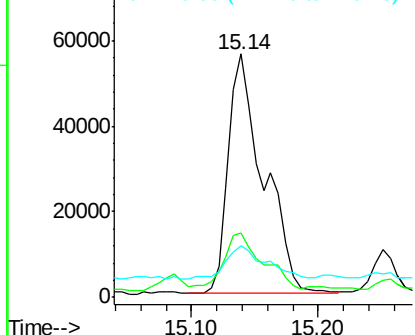
#88
Benzo(k)fluoranthene
Concen: 10.027 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.02 min
Lab File: BF103410.D
Acq: 5 Mar 2018 15:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.9	26.9
125	21.1	10.2	15.2

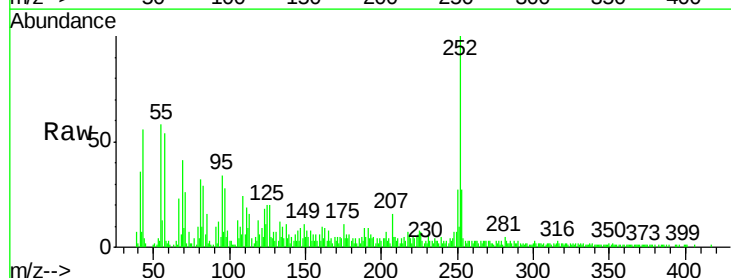


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

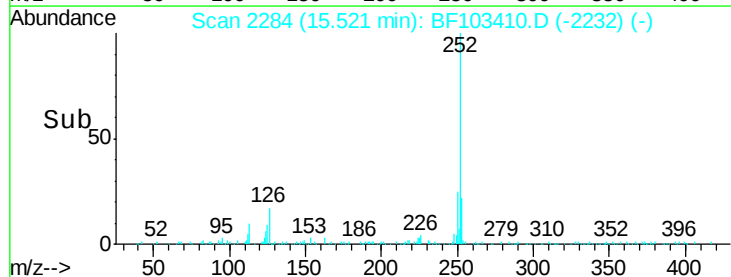
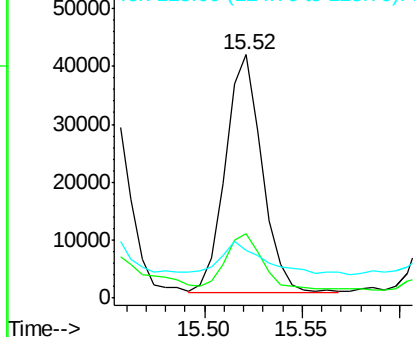


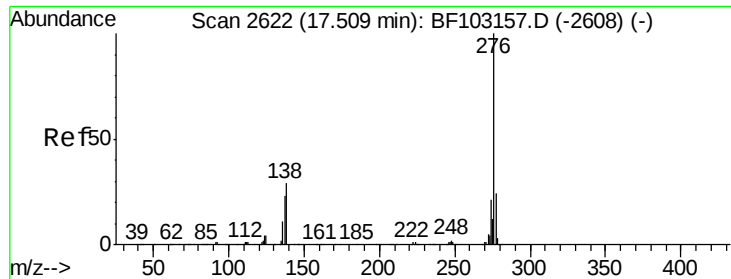
#89
Benzo(a)pyrene
Concen: 5.256 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF103410.D
Acq: 5 Mar 2018 15:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.1	25.7
125	19.9	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

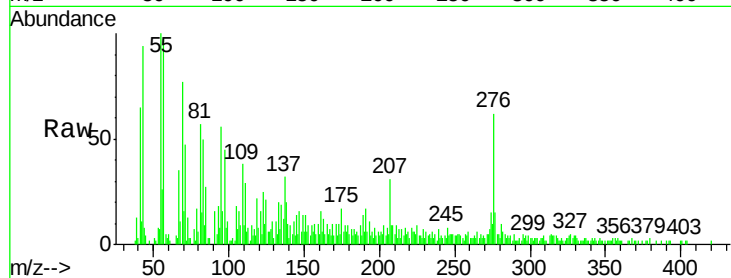




#91
 Benzo(a,h,i)perylene
 Concen: 3.399 ng
 RT: 17.60 min Scan# 2638
 Delta R.T. 0.01 min
 Lab File: BF103410.D
 Acq: 5 Mar 2018 15:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.9	26.9
138	32.2	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

