

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103409.D
 Acq On : 5 Mar 2018 15:03
 Operator : SJ/JU
 Sample : J1778-04 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 05 15:42:54 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	127851	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	503649	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	205665	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	295699	20.00	ng	0.00
75) Chrysene-d12	14.07	240	220780	20.00	ng	0.00
86) Perylene-d12	15.59	264	171383	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	388294	45.93	ng	0.00
7) Phenol-d6	6.52	99	481656	46.56	ng	0.00
23) Nitrobenzene-d5	7.43	82	276541	31.36	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	57468	33.01	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	405995	28.11	ng	0.00
78) Terphenyl-d14	12.99	244	273231	29.75	ng	0.00

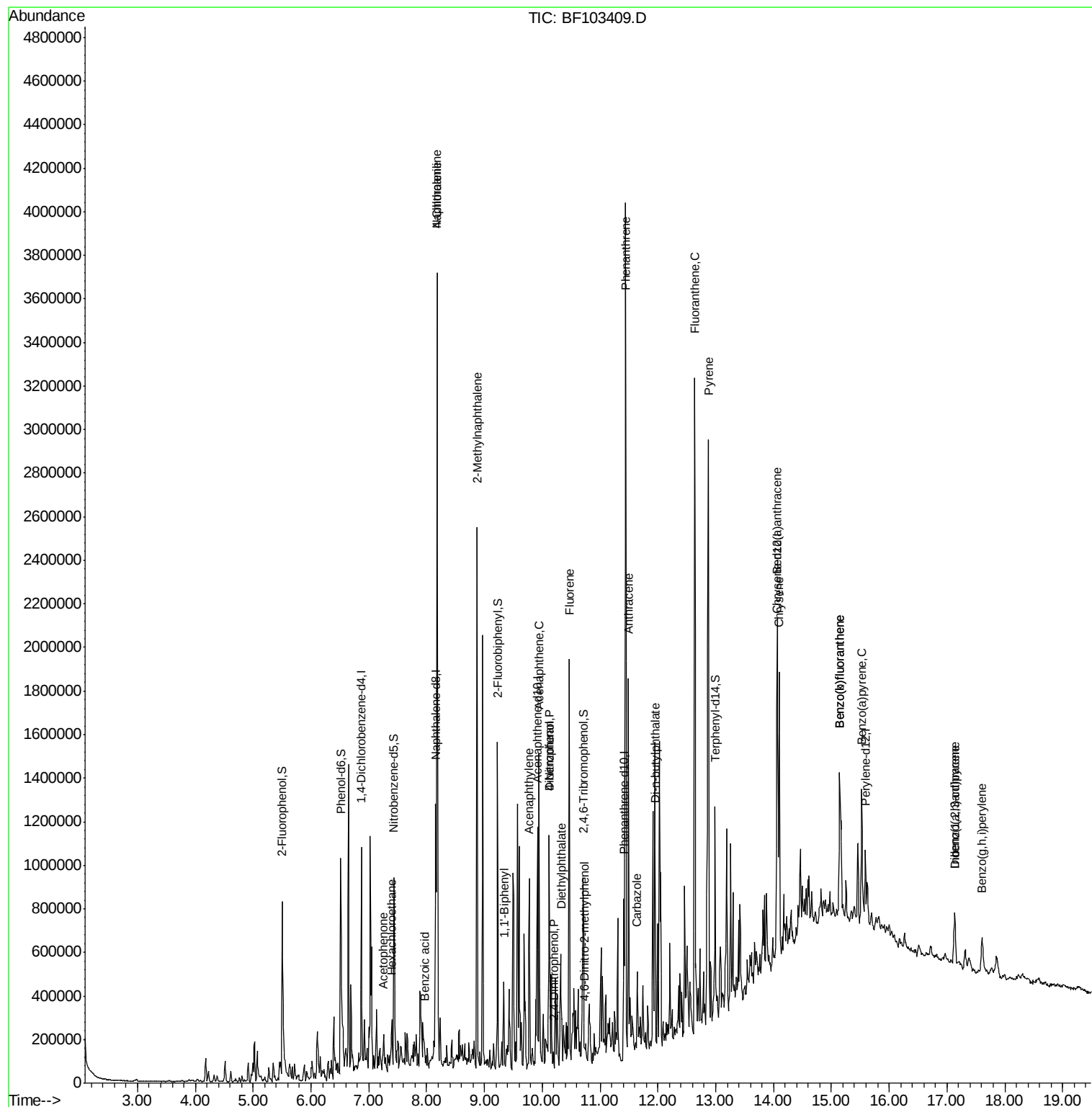
Target Compounds				Qvalue		
9) Benzaldehyde	6.42	77	3457	Below Cal	#	1
18) Hexachloroethane	7.40	117	9478	2.588 ng	#	1
22) Acetophenone	7.26	105	27068	2.302 ng	#	61
31) Naphthalene	8.18	128	1612537	65.397 ng		98
32) Benzoic acid	7.97	122	2280	7.290 ng	#	1
33) 4-Chloroaniline	8.18	127	222256	20.888 ng	#	33
37) 2-Methylnaphthalene	8.87	142	702533	44.085 ng		99
45) 1,1'-Biphenyl	9.33	154	107934	6.263 ng		96
48) Acenaphthylene	9.77	152	212560	10.133 ng	#	95
51) Acenaphthene	9.95	154	291168	23.803 ng		97
53) 2,4-Dinitrophenol	10.20	184	255	9.800 ng	#	29
54) Dibenzofuran	10.12	168	327095	19.480 ng		96
55) 4-Nitrophenol	10.12	139	134018	49.226 ng	#	11
57) Fluorene	10.47	166	502239	35.111 ng		99
59) Diethylphthalate	10.32	149	65242	4.135 ng		100
64) 4,6-Dinitro-2-methylphenol	10.73	198	830	5.359 ng	#	1
70) Phenanthrene	11.45	178	1768623	108.683 ng		99
71) Anthracene	11.49	178	622350	37.295 ng		99
72) Carbazole	11.65	167	109113	6.566 ng		96
73) Di-n-butylphthalate	11.96	149	310327	14.924 ng		99
74) Fluoranthene	12.64	202	1385329	84.715 ng		98
77) Pyrene	12.87	202	1289586	74.918 ng		98
80) Benzo(a)anthracene	14.06	228	622776	43.475 ng		95
82) Chrysene	14.10	228	505379	36.334 ng		97
85) Indeno(1,2,3-cd)pyrene	17.13	276	143282	13.012 ng		96
87) Benzo(b)fluoranthene	15.14	252	588564	52.232 ng	#	94
88) Benzo(k)fluoranthene	15.14	252	588564	55.468 ng		97
89) Benzo(a)pyrene	15.53	252	332097	33.003 ng	#	95
90) Dibenzo(a,h)anthracene	17.13	278	38063	4.895 ng	#	78
91) Benzo(g,h,i)perylene	17.61	276	134995	17.764 ng		93

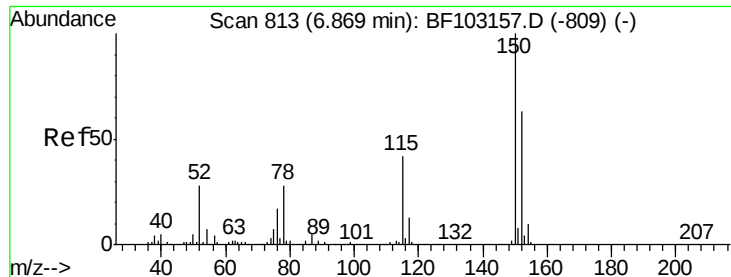
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103409.D
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Misc :
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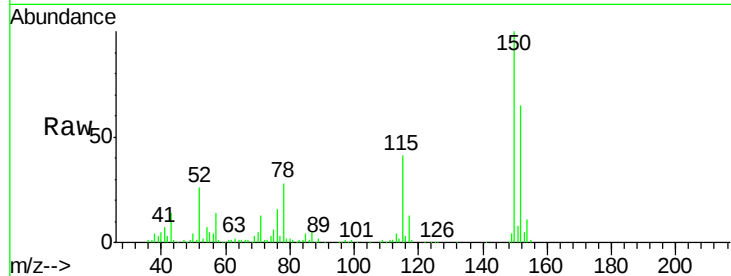


#1

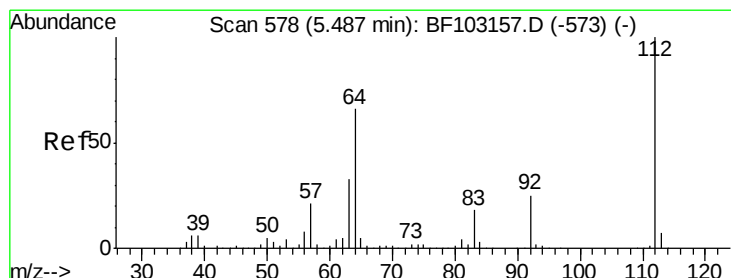
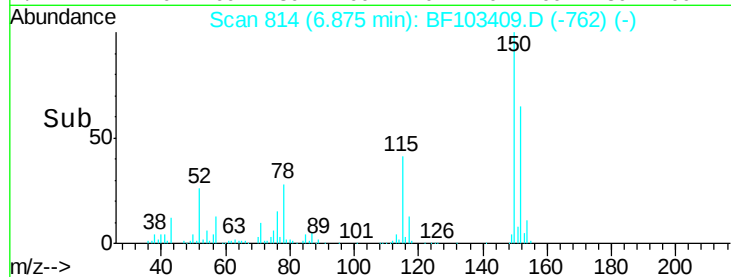
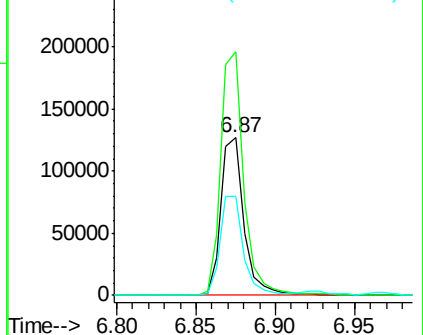
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103409.D
Acq: 5 Mar 2018 15:03

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 127851
Ion Ratio Lower Upper
152 100
150 154.8 124.6 186.8
115 62.7 50.1 75.1



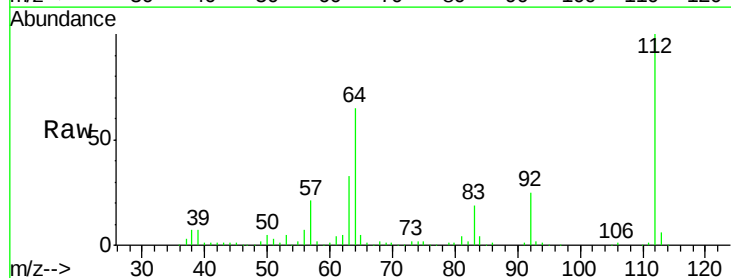
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



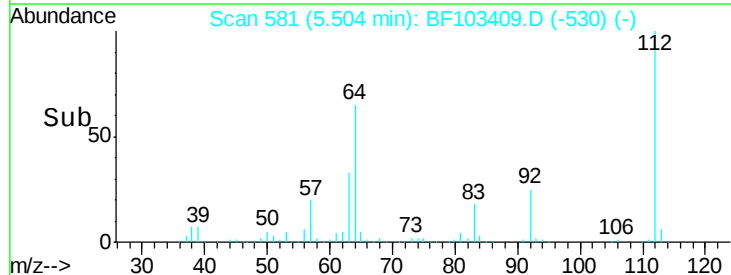
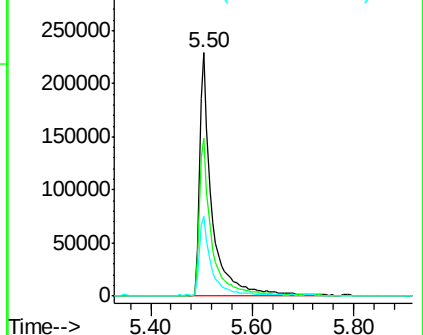
#5

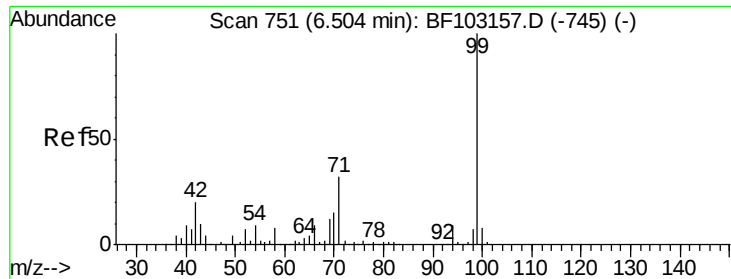
2-Fluorophenol
Concen: 45.934 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.00 min
Lab File: BF103409.D
Acq: 5 Mar 2018 15:03

Tgt Ion:112 Resp: 388294
Ion Ratio Lower Upper
112 100
64 64.6 47.9 71.9
63 32.7 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: 46.564 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF103409.D

Acq: 5 Mar 2018 15:03

Instrument :

BNA_F

ClientSampleId :

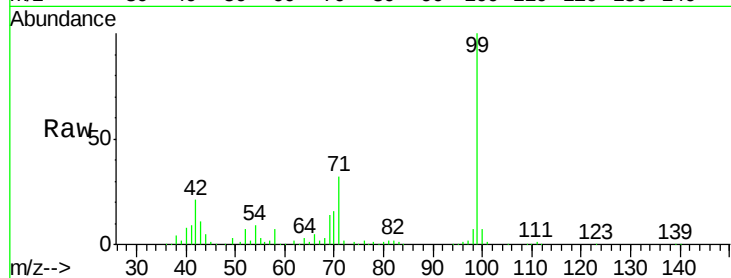
Tot Ion: 99 Resp: 481656

Ion Ratio Lower Upper

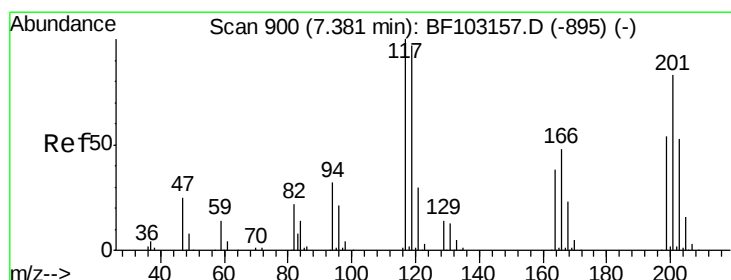
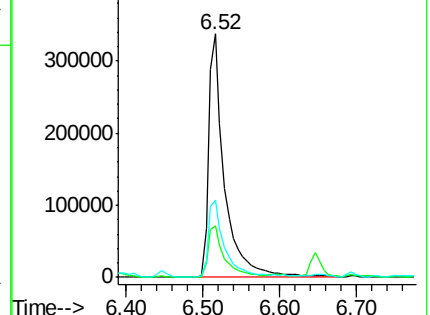
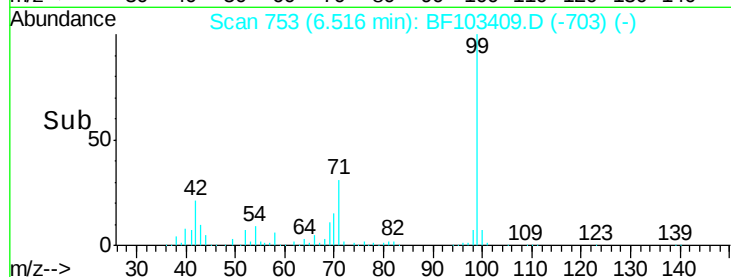
99 100

42 21.1 14.5 21.7

71 31.5 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



#18

Hexachloroethane

Concen: 2.588 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.02 min

Lab File: BF103409.D

Acq: 5 Mar 2018 15:03

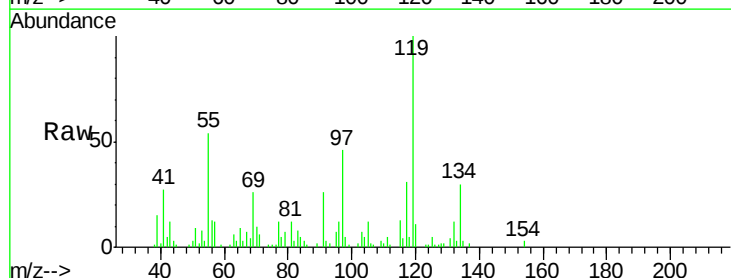
Tgt Ion: 117 Resp: 9478

Ion Ratio Lower Upper

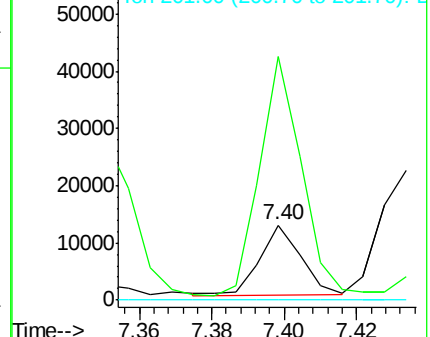
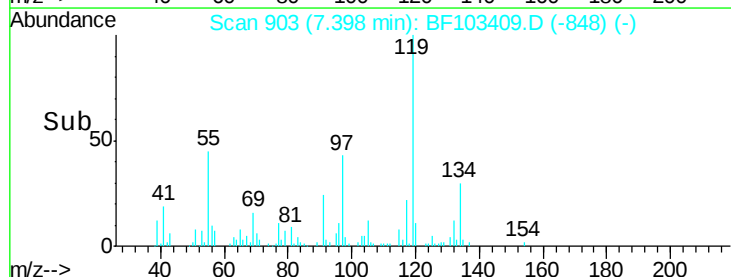
117 100

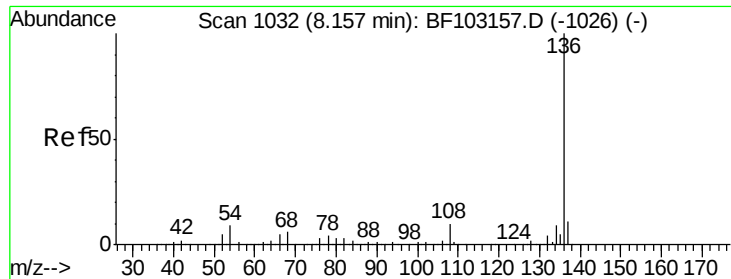
119 325.9 75.8 113.8#

201 0.0 75.7 113.5#



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF103409.D

Acq: 5 Mar 2018 15:03

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 503649

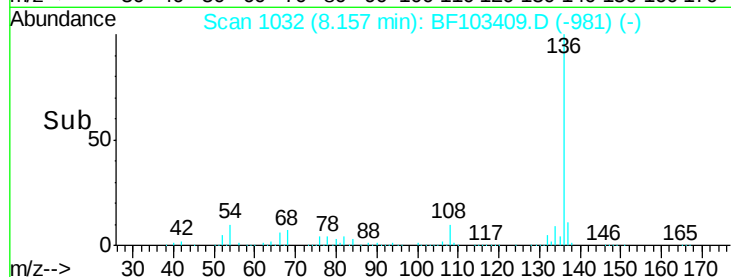
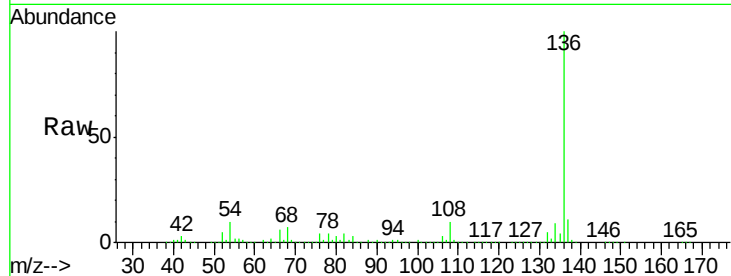
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 10.0 6.6 9.8#

68 6.8 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

Time-->

8.10 8.15 8.20

600000

400000

200000

0

8.16

Time-->

8.10 8.15 8.20

600000

400000

200000

0

8.10 8.15 8.20

600000

400000

200000

0

8.10 8.15 8.20

600000

400000

200000

0

8.10 8.15 8.20

600000

400000

200000

0

8.10 8.15 8.20

600000

400000

200000

0

8.10 8.15 8.20

600000

400000

200000

0

8.10 8.15 8.20

600000

400000

200000

0

8.10 8.15 8.20

600000

400000

200000

0

8.10 8.15 8.20

600000

400000

200000

0

8.10 8.15 8.20

600000

400000

200000

0

8.10 8.15 8.20

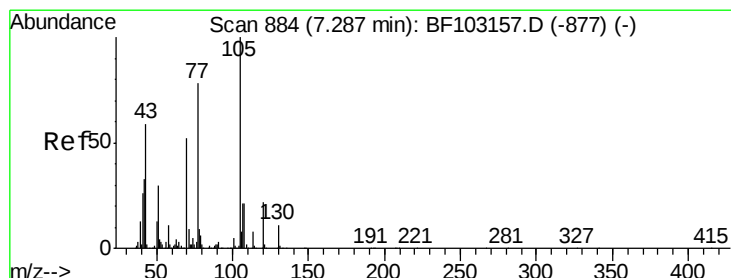
600000

400000

200000

0

8.10 8.15 8.20



#22

Acetophenone

Concen: 2.302 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.03 min

Lab File: BF103409.D

Acq: 5 Mar 2018 15:03

Tgt Ion:105 Resp: 27068

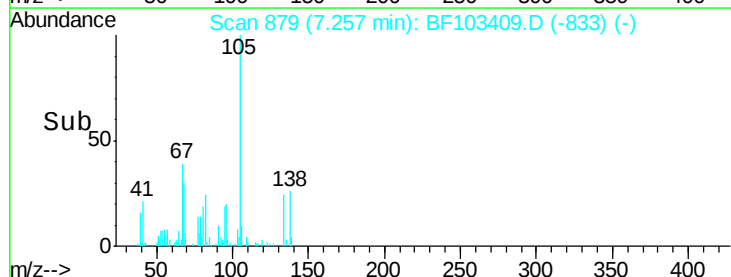
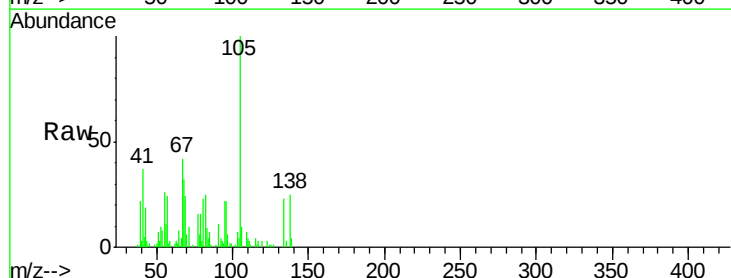
Ion Ratio Lower Upper

105 100

71 10.0 4.4 6.6#

51 6.9 22.3 33.5#

120 0.0 16.9 25.3#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

Time-->

7.20 7.25 7.30

50000

40000

30000

20000

10000

0

7.26

Time-->

7.20 7.25 7.30

50000

40000

30000

20000

10000

0

7.20 7.25 7.30

50000

40000

30000

20000

10000

0

7.20 7.25 7.30

50000

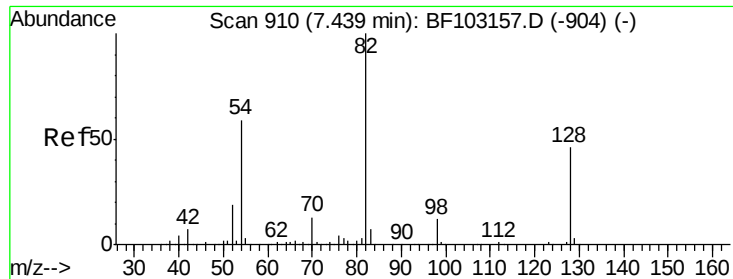
40000

30000

20000

10000

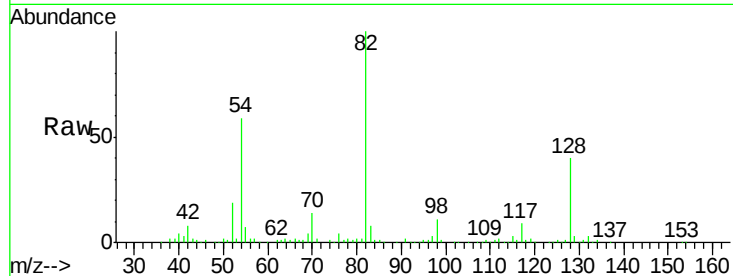
0



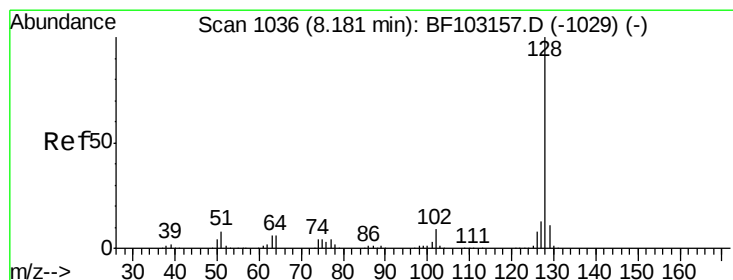
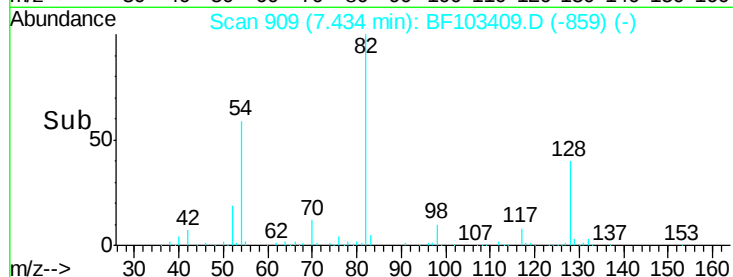
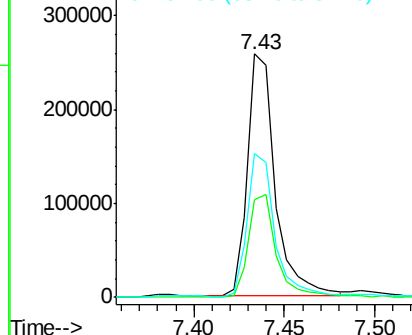
#23
Nitrobenzene-d5
Concen: 31.357 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103409.D
Acq: 5 Mar 2018 15:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 276541
Ion Ratio Lower Upper
82 100
128 40.2 36.1 54.1
54 59.3 41.4 62.2

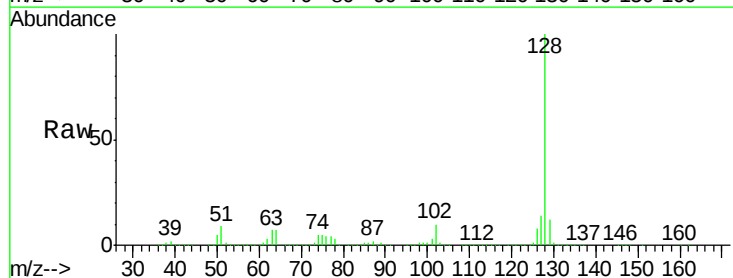


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

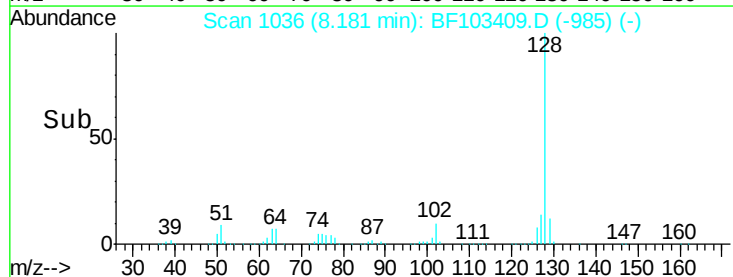
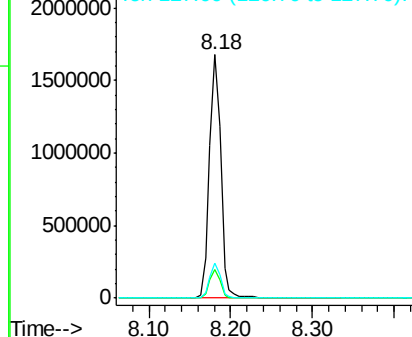


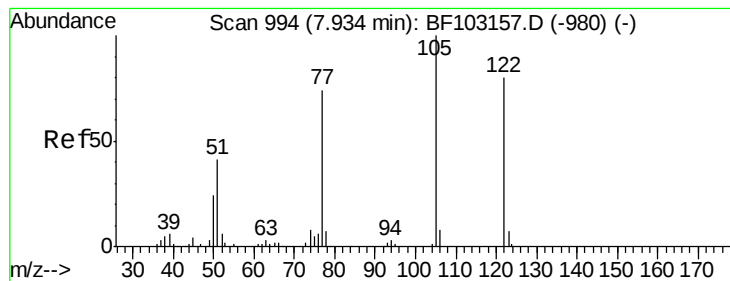
#31
Naphthalene
Concen: 65.397 ng
RT: 8.18 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF103409.D
Acq: 5 Mar 2018 15:03

Tgt Ion: 128 Resp: 1612537
Ion Ratio Lower Upper
128 100
129 11.8 8.8 13.2
127 14.2 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): BF1
Ion 129.00 (128.70 to 129.70): BF1
Ion 127.00 (126.70 to 127.70): BF1





#32

Benzoic acid

Concen: 7.290 ng

RT: 7.97 min Scan# 1000

Delta R.T. 0.01 min

Lab File: BF103409.D

Acq: 5 Mar 2018 15:03

Instrument :

BNA_F

ClientSampleId :

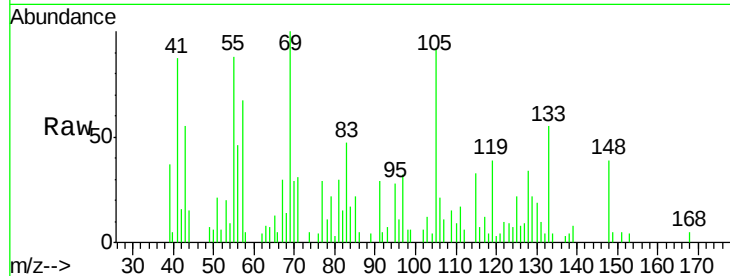
Tot Ion:122 Resp: 2280

Ion Ratio Lower Upper

122 100

105 942.2 101.1 141.1#

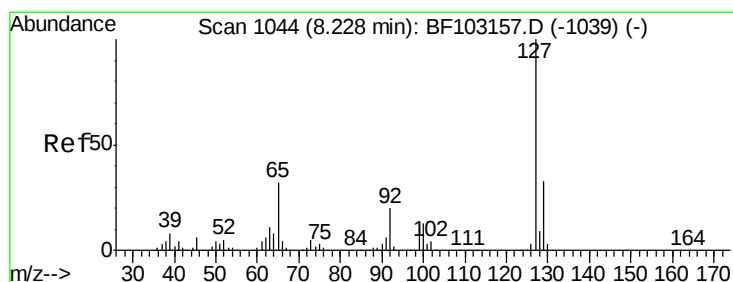
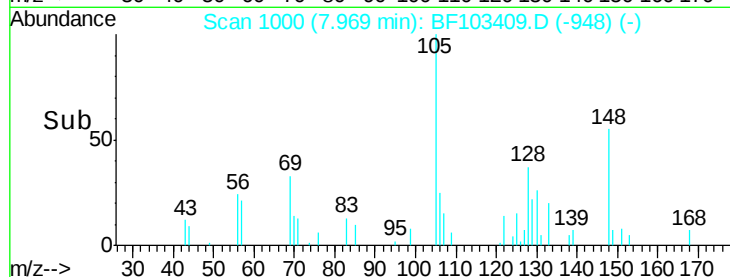
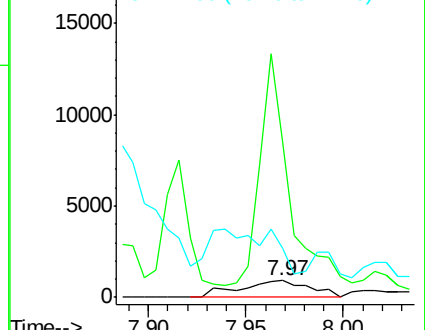
77 295.2 70.7 110.7#



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



#33

4-Chloroaniline

Concen: 20.888 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.05 min

Lab File: BF103409.D

Acq: 5 Mar 2018 15:03

Tgt Ion:127 Resp: 222256

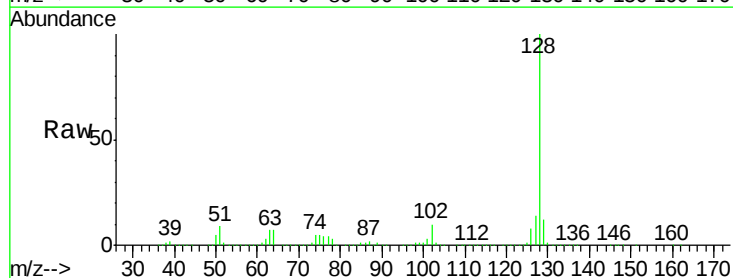
Ion Ratio Lower Upper

127 100

129 83.3 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

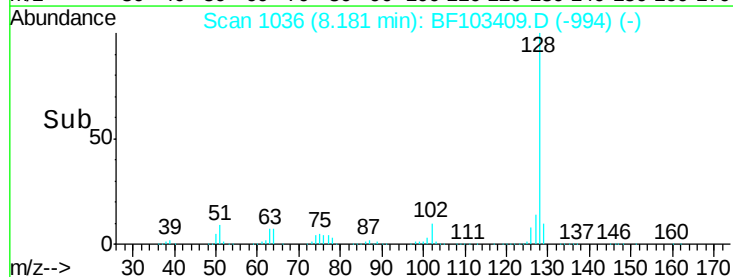
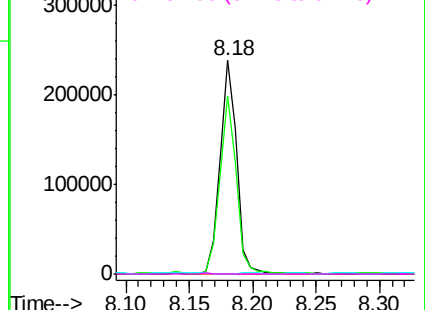


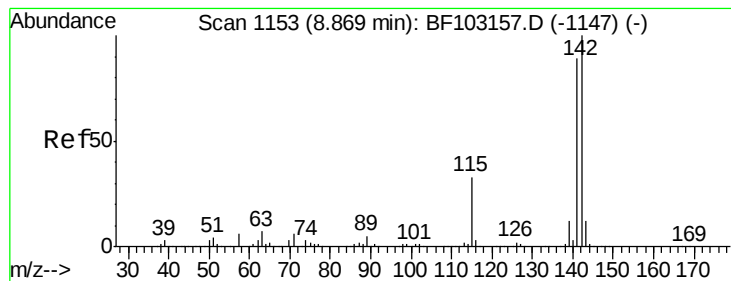
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

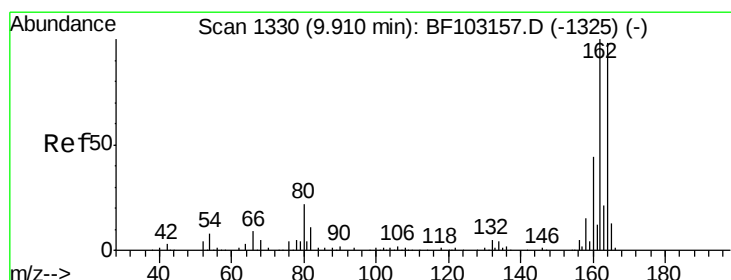
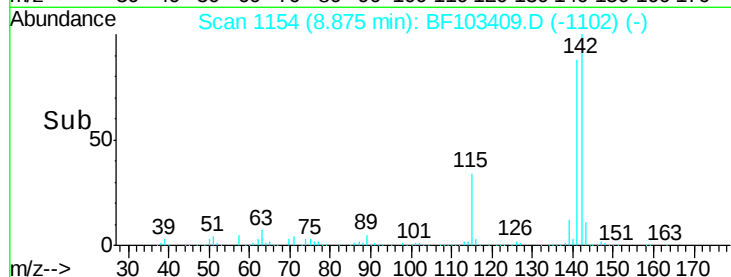
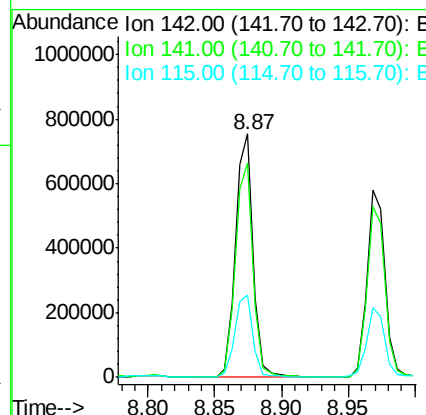
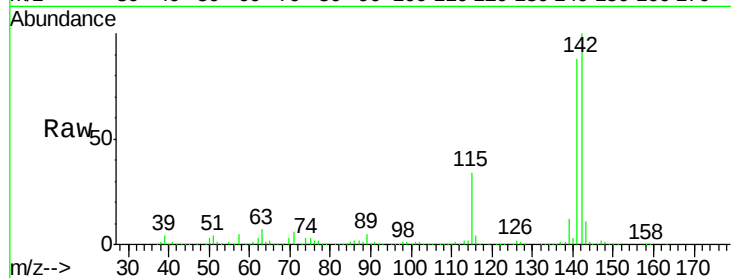




#37
2-Methylnaphthalene
Concen: 44.085 ng
RT: 8.87 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BF103409.D
Acq: 5 Mar 2018 15:03

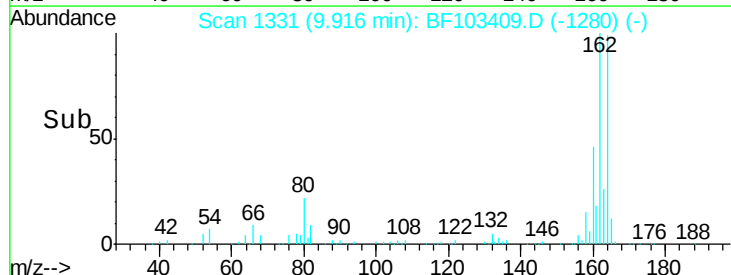
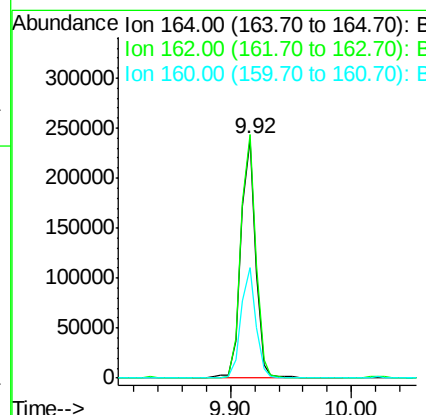
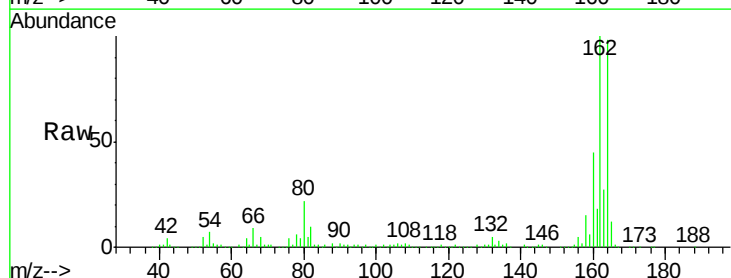
Instrument :
BNA_F
ClientSampled :

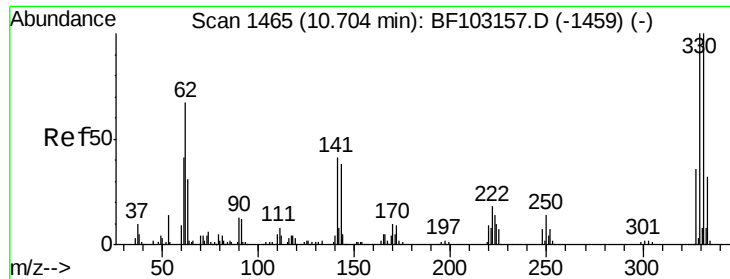
Tot Ion:142 Resp: 702533
Ion Ratio Lower Upper
142 100
141 88.0 70.8 106.2
115 34.0 26.1 39.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BF103409.D
Acq: 5 Mar 2018 15:03

Tgt Ion:164 Resp: 205665
Ion Ratio Lower Upper
164 100
162 102.1 86.1 129.1
160 46.4 38.3 57.5

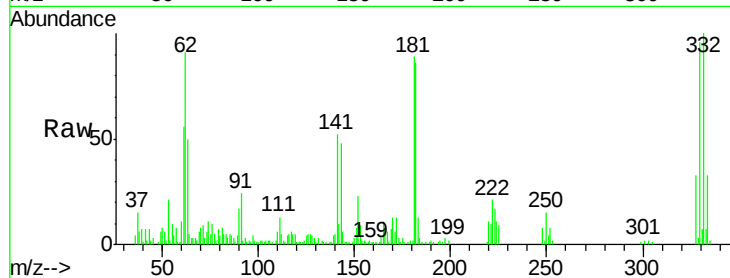




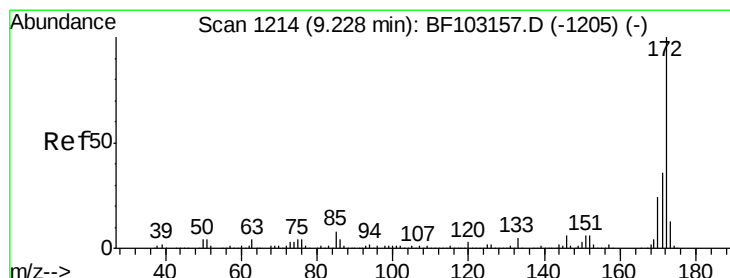
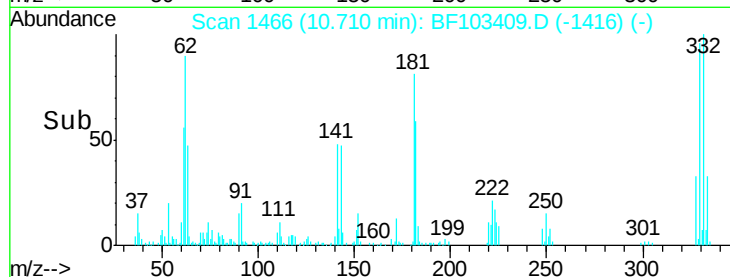
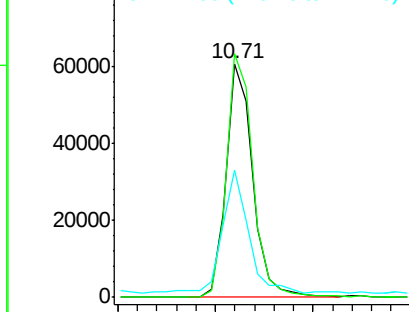
#41
 2,4,6-Tribromophenol
 Concen: 33.012 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103409.D
 Acq: 5 Mar 2018 15:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 57468
 Ion Ratio Lower Upper
 330 100
 332 103.8 77.0 115.6
 141 51.8 29.9 44.9#

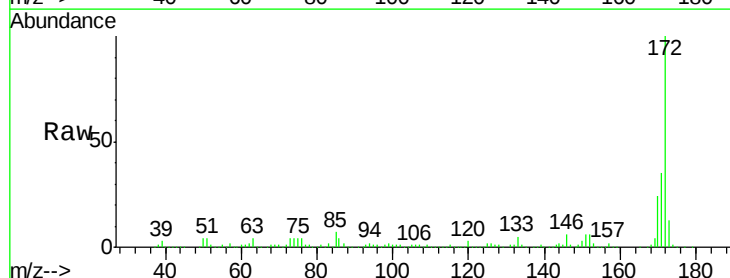


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

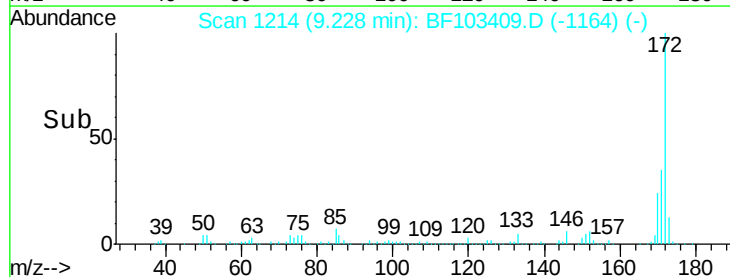
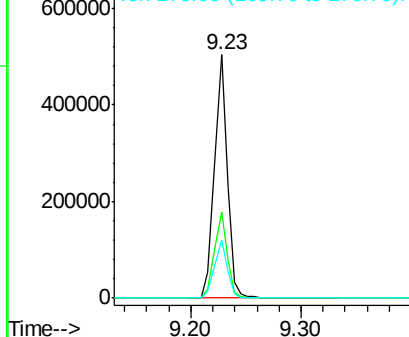


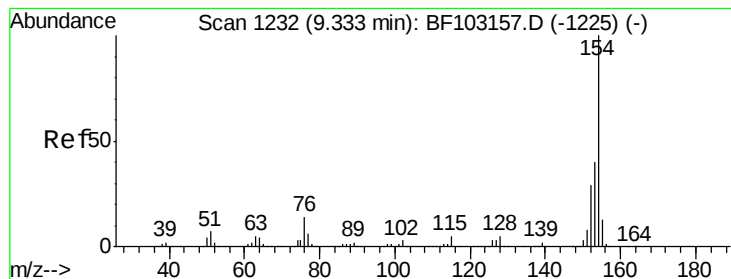
#44
 2-Fluorobiphenyl
 Concen: 28.114 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103409.D
 Acq: 5 Mar 2018 15:03

Tgt Ion:172 Resp: 405995
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.7 44.5
 170 23.8 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





#45

1,1'-Biphenyl

Concen: 6.263 ng

RT: 9.33 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BF103409.D

Acq: 5 Mar 2018 15:03

Instrument :

BNA_F

ClientSampleId :

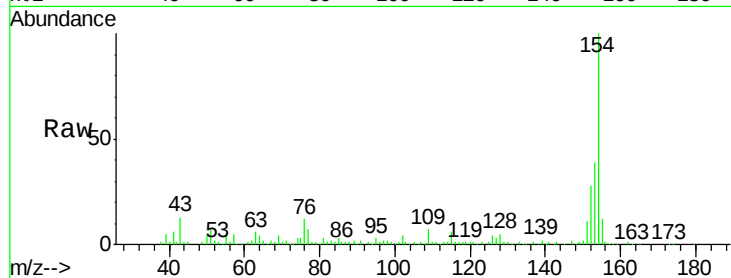
Tot Ion:154 Resp: 107934

Ion Ratio Lower Upper

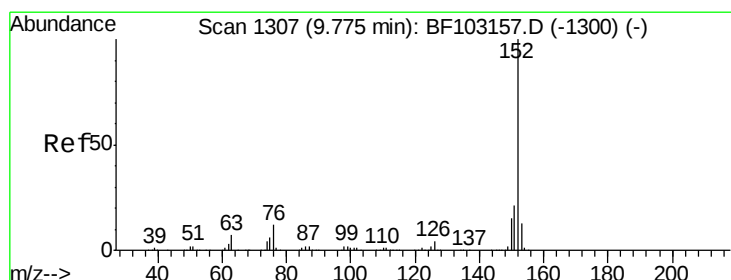
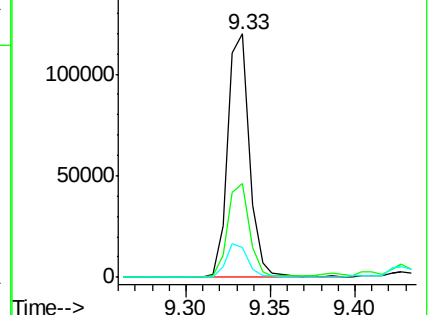
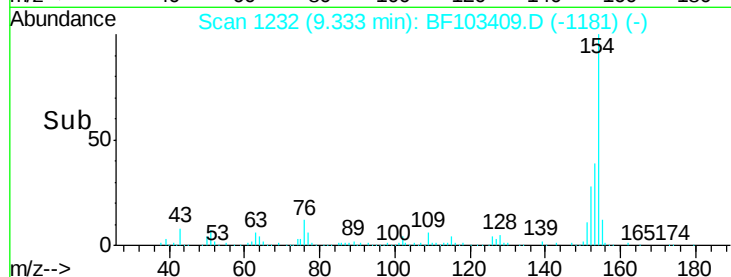
154 100

153 38.8 21.3 61.3

76 12.2 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#48

Acenaphthylene

Concen: 10.133 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF103409.D

Acq: 5 Mar 2018 15:03

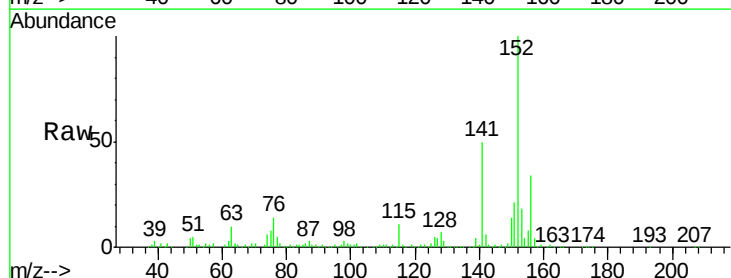
Tgt Ion:152 Resp: 212560

Ion Ratio Lower Upper

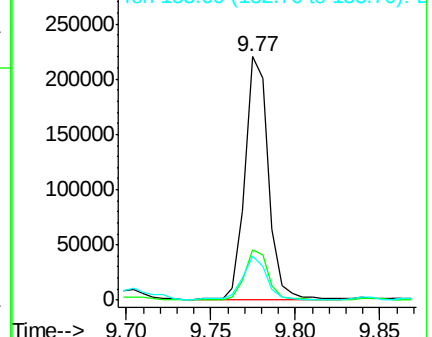
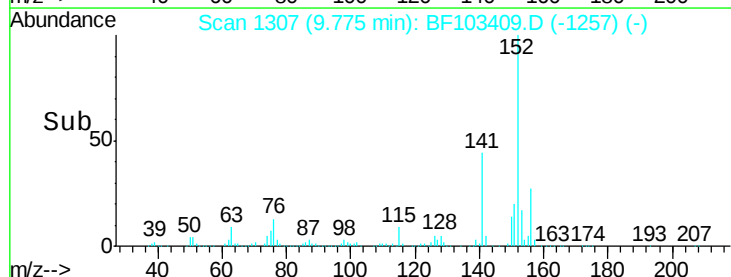
152 100

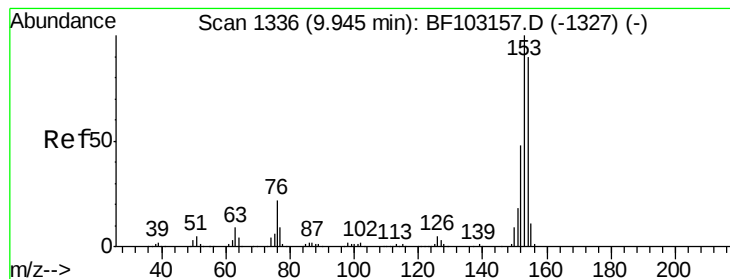
151 20.6 16.3 24.5

153 18.2 10.7 16.1#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 23.803 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF103409.D

Acq: 5 Mar 2018 15:03

Instrument :

BNA_F

ClientSampled :

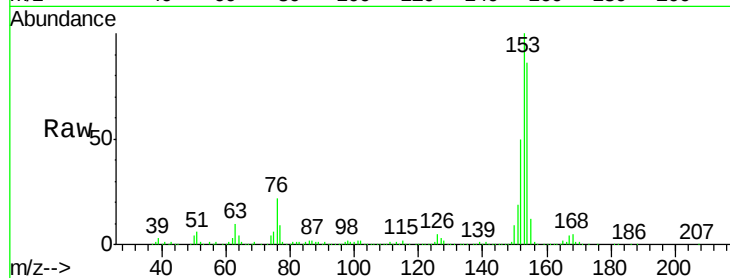
Tot Ion:154 Resp: 291168

Ion Ratio Lower Upper

154 100

153 116.2 91.2 136.8

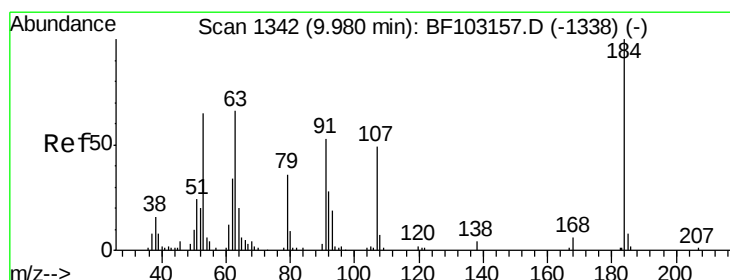
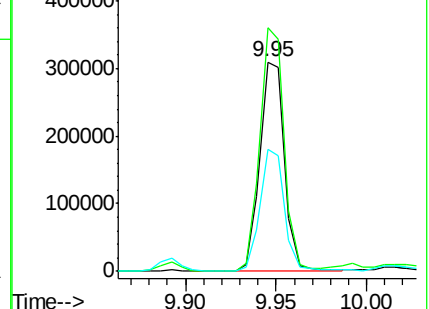
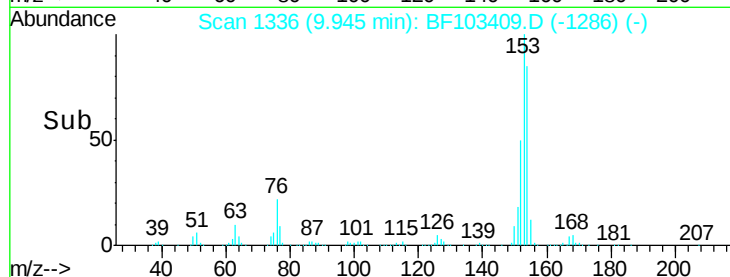
152 58.0 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 9.800 ng

RT: 10.20 min Scan# 1380

Delta R.T. 0.20 min

Lab File: BF103409.D

Acq: 5 Mar 2018 15:03

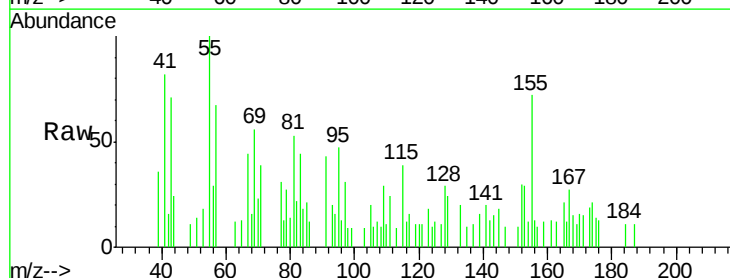
Tgt Ion:184 Resp: 255

Ion Ratio Lower Upper

184 100

63 107.6 54.2 81.2#

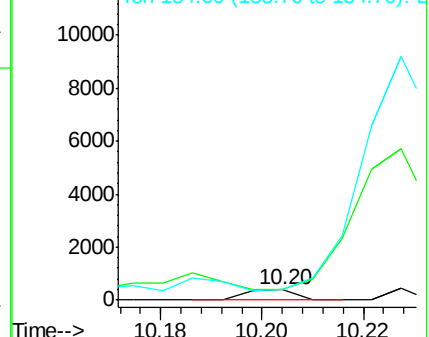
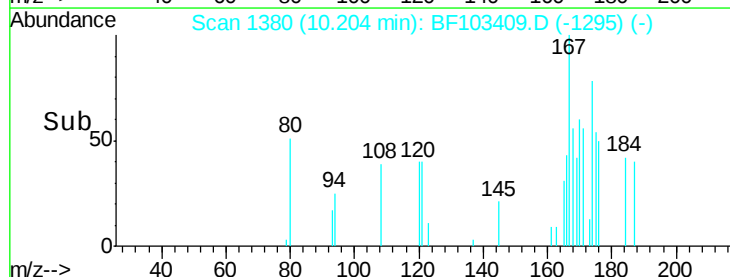
154 103.2 184.0 276.0#

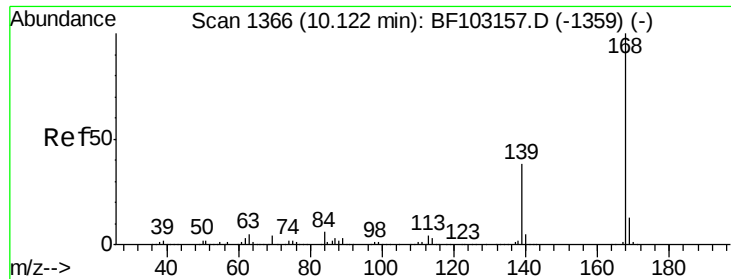


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

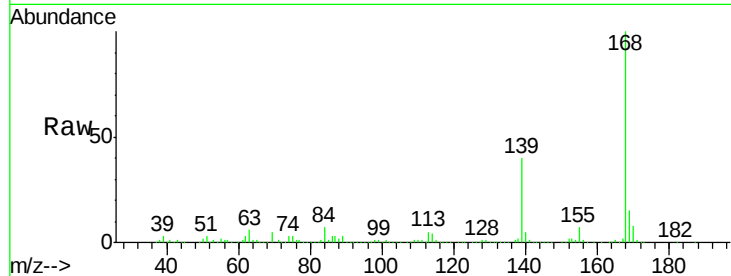




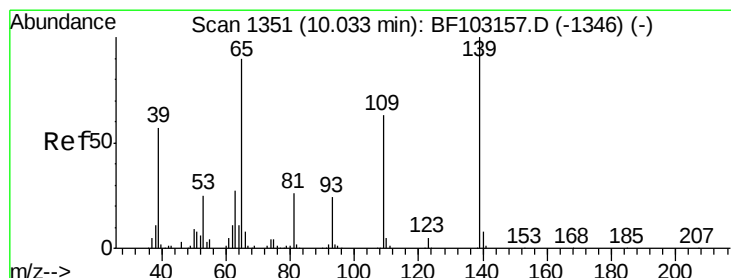
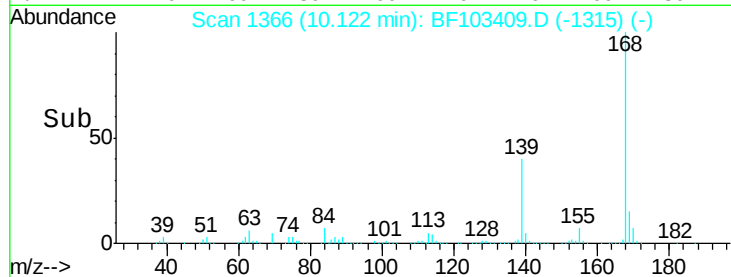
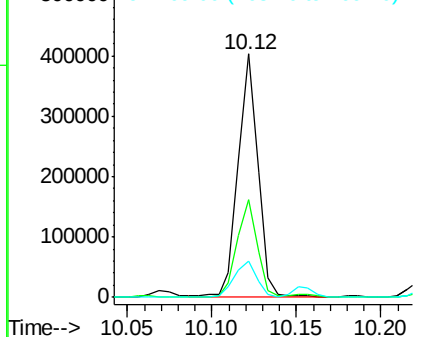
#54
Dibenzenofuran
Concen: 19.480 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BF103409.D
Acq: 5 Mar 2018 15:03

Instrument :
BNA_F
ClientSampled :

Tot Ion:168 Resp: 327095
Ion Ratio Lower Upper
168 100
139 40.2 30.1 45.1
169 15.1 10.9 16.3

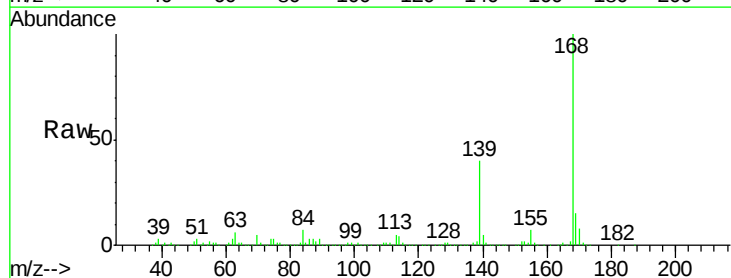


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

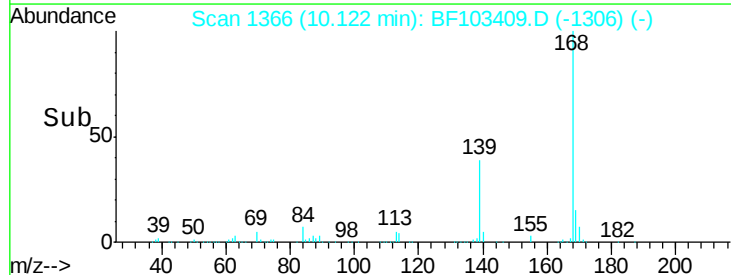
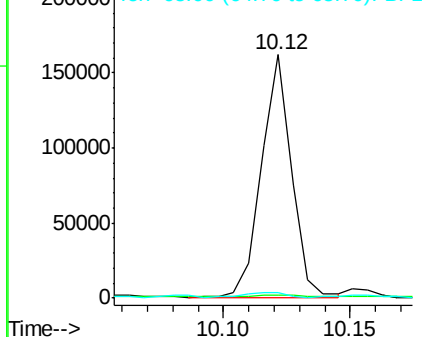


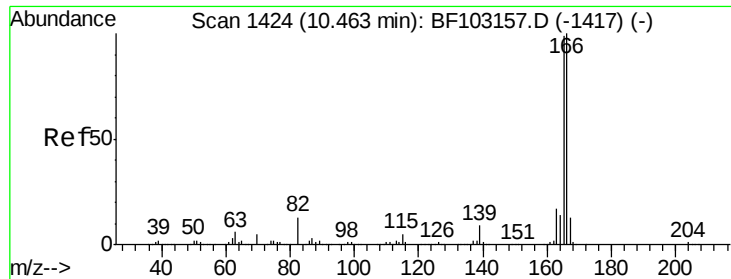
#55
4-Nitrophenol
Concen: 49.226 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.05 min
Lab File: BF103409.D
Acq: 5 Mar 2018 15:03

Tgt Ion:139 Resp: 134018
Ion Ratio Lower Upper
139 100
109 1.5 48.4 88.4#
65 2.1 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

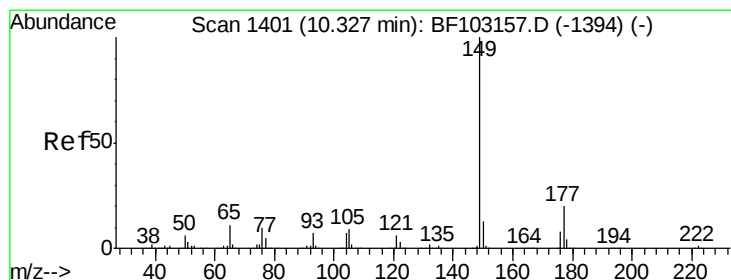
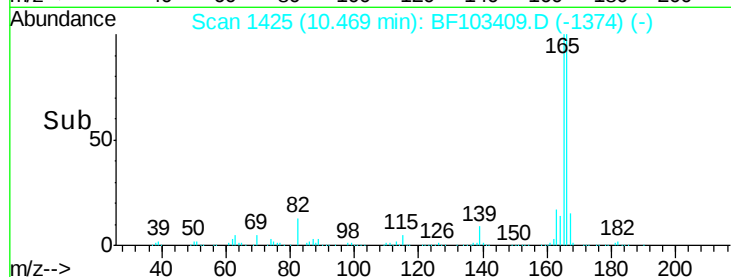
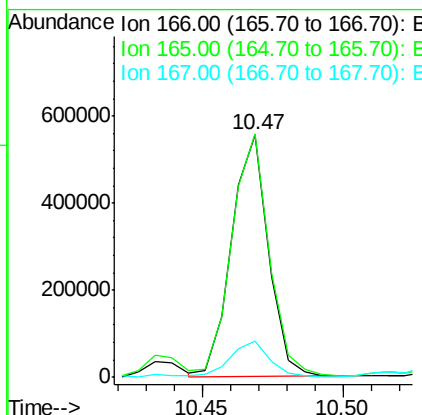
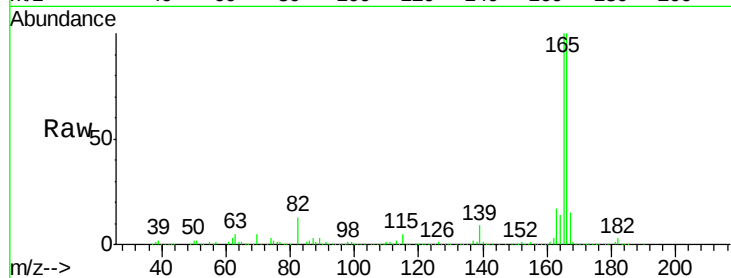




#57
 Fluorene
 Concen: 35.111 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. 0.00 min
 Lab File: BF103409.D
 Acq: 5 Mar 2018 15:03

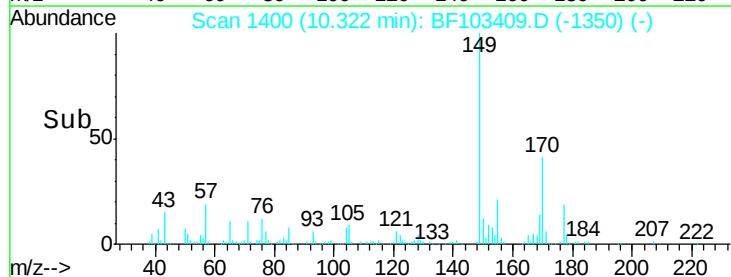
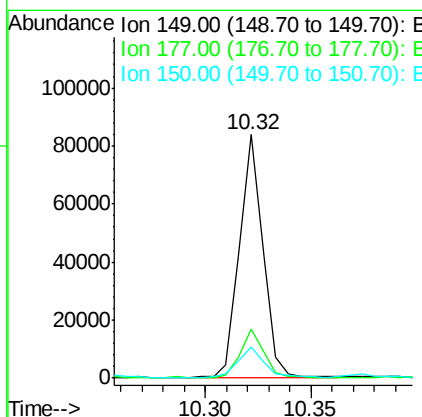
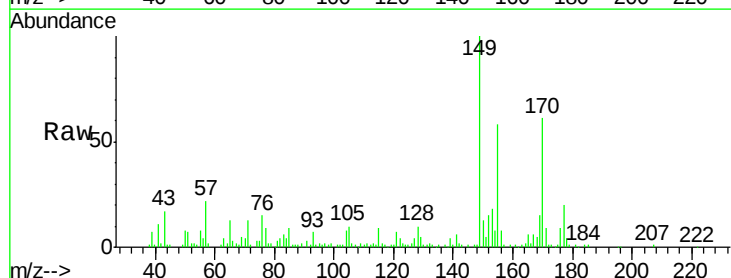
Instrument :
 BNA_F
 ClientSampleId :

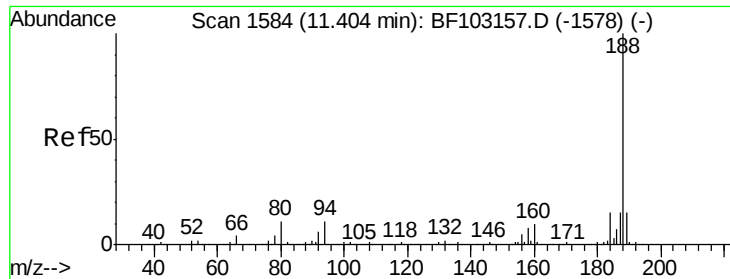
Tot Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.8	119.8
167	14.9	10.6	16.0



#59
 Diethylphthalate
 Concen: 4.135 ng
 RT: 10.32 min Scan# 1400
 Delta R.T. -0.01 min
 Lab File: BF103409.D
 Acq: 5 Mar 2018 15:03

Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.3	16.1	24.1
150	12.6	10.1	15.1

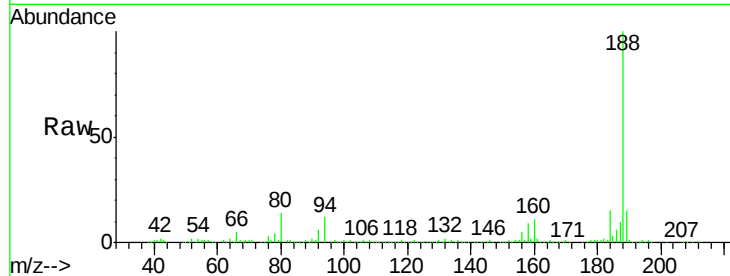




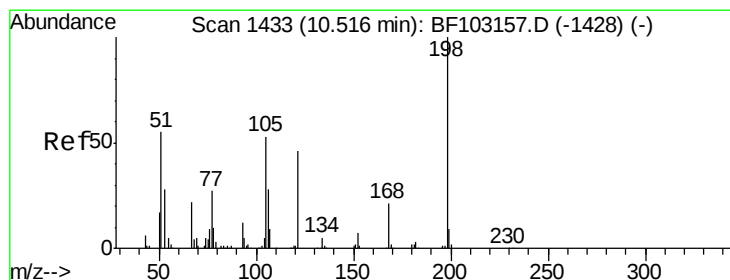
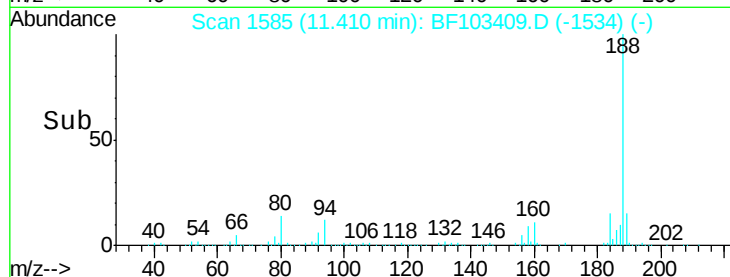
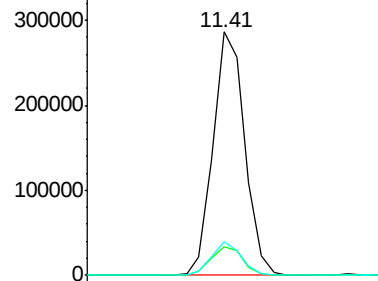
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF103409.D
Acq: 5 Mar 2018 15:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 295699
Ion Ratio Lower Upper
188 100
94 11.6 8.5 12.7
80 13.9 9.2 13.8#

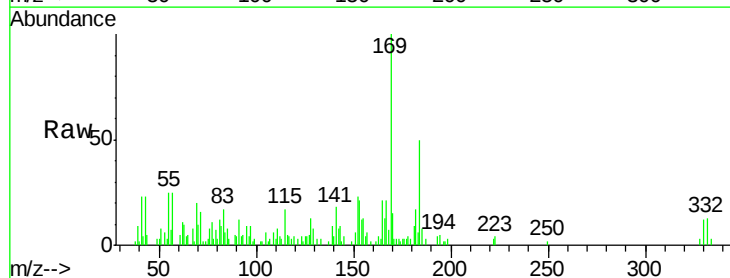


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

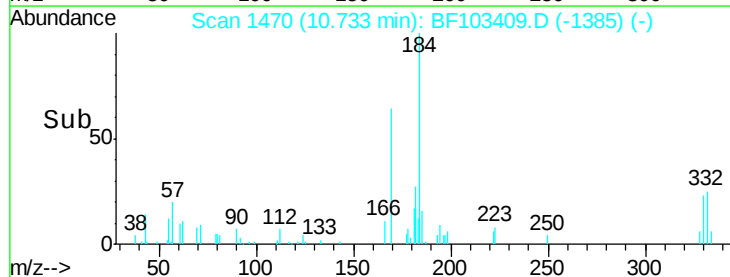
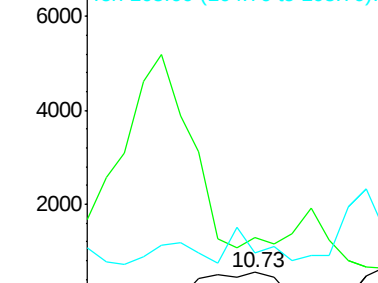


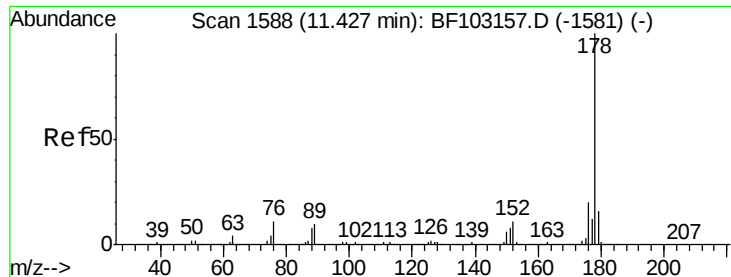
#64
4,6-Dinitro-2-methylphenol
Concen: 5.359 ng
RT: 10.73 min Scan# 1470
Delta R.T. 0.20 min
Lab File: BF103409.D
Acq: 5 Mar 2018 15:03

Tgt Ion:198 Resp: 830
Ion Ratio Lower Upper
198 100
51 235.7 37.7 77.7#
105 179.6 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

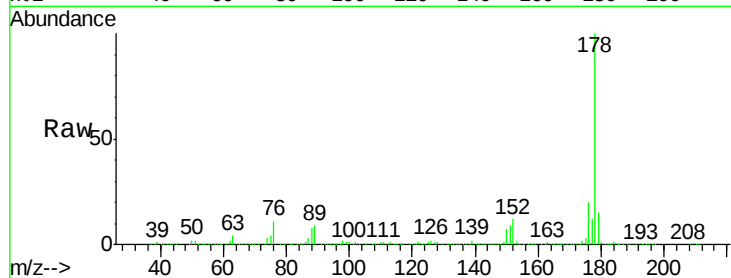




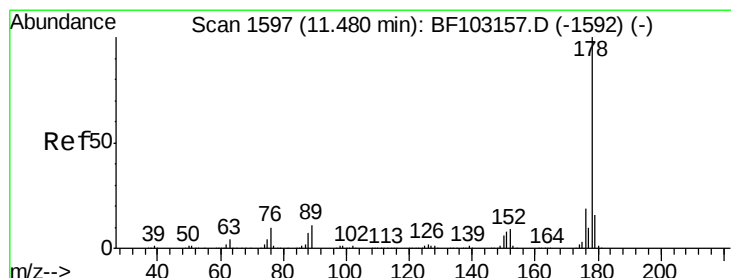
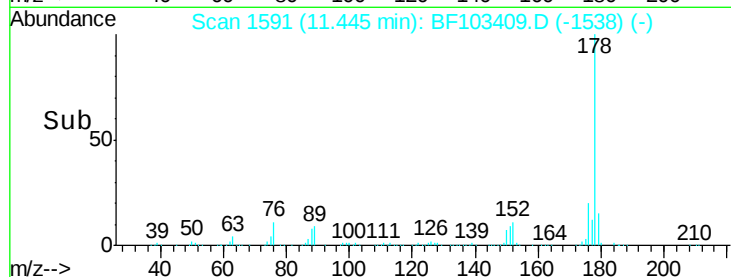
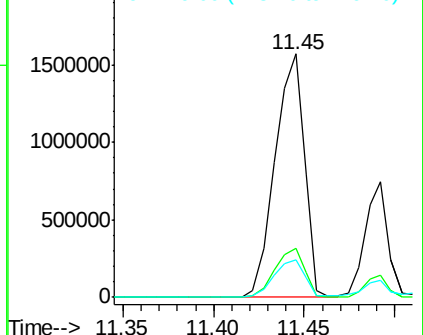
#70
Phenanthrene
Concen: 108.683 ng
RT: 11.45 min Scan# 1591
Delta R.T. 0.01 min
Lab File: BF103409.D
Acq: 5 Mar 2018 15:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 1768623
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.8
179 15.4 13.0 19.6

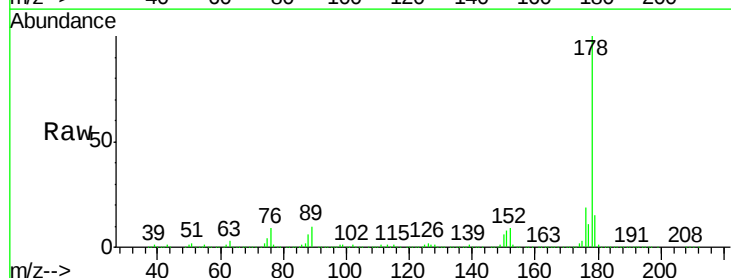


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

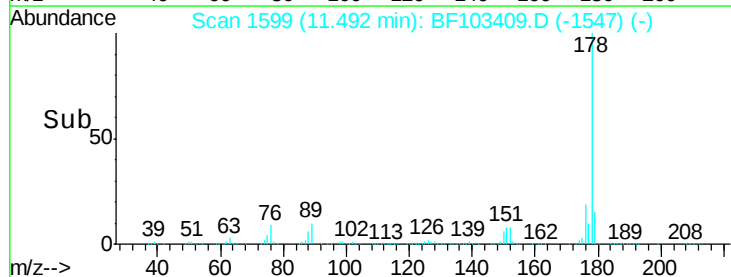
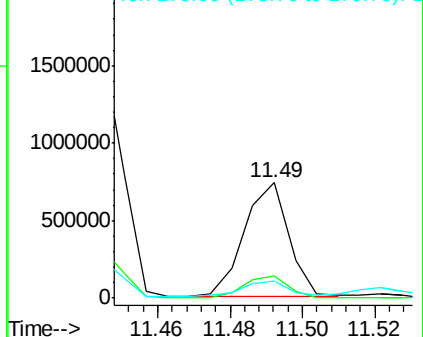


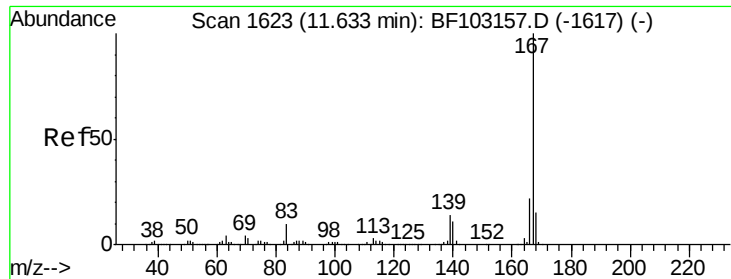
#71
Anthracene
Concen: 37.295 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.01 min
Lab File: BF103409.D
Acq: 5 Mar 2018 15:03

Tgt Ion:178 Resp: 622350
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.4 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





#72

Carbazole

Concen: 6.566 ng

RT: 11.65 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BF103409.D

Acq: 5 Mar 2018 15:03

Instrument :

BNA_F

ClientSampleId :

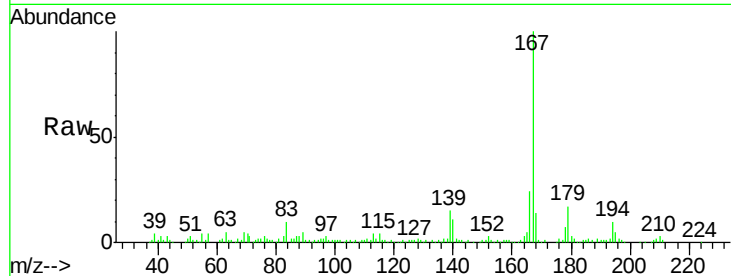
Tot Ion:167 Resp: 109113

Ion Ratio Lower Upper

167 100

166 24.1 17.6 26.4

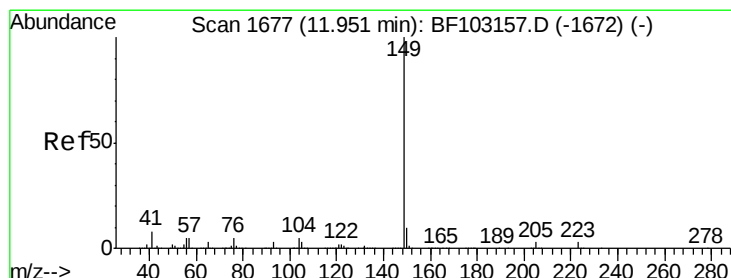
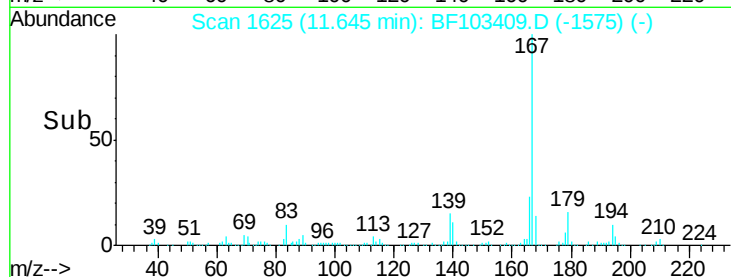
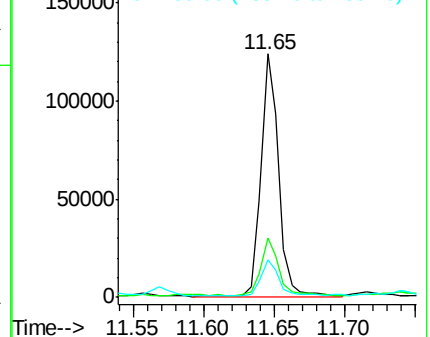
139 15.2 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 14.924 ng

RT: 11.96 min Scan# 1678

Delta R.T. 0.00 min

Lab File: BF103409.D

Acq: 5 Mar 2018 15:03

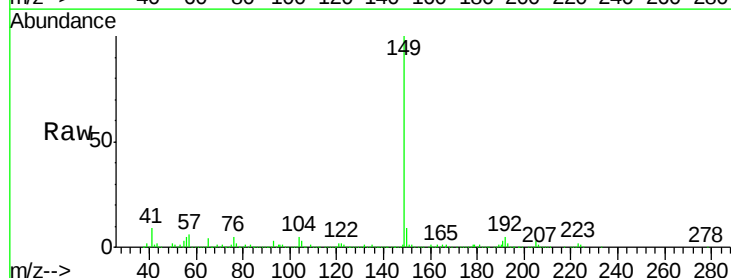
Tgt Ion:149 Resp: 310327

Ion Ratio Lower Upper

149 100

150 9.1 7.8 11.6

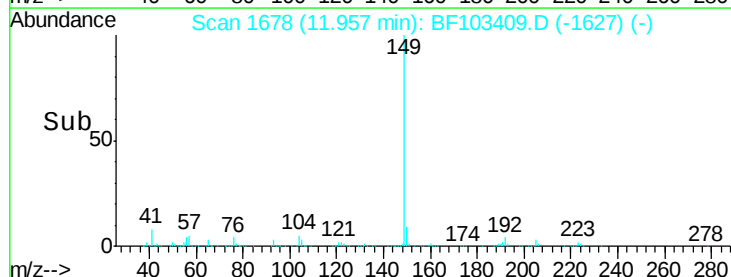
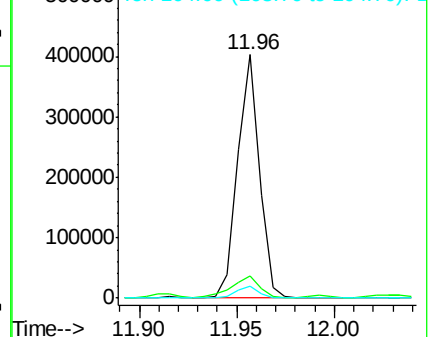
104 4.9 3.8 5.8

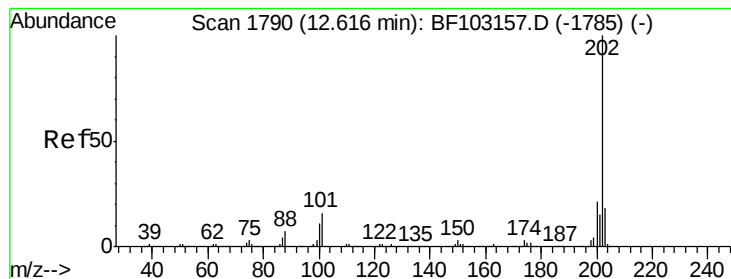


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 84.715 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF103409.D

Acq: 5 Mar 2018 15:03

Instrument :

BNA_F

ClientSampleId :

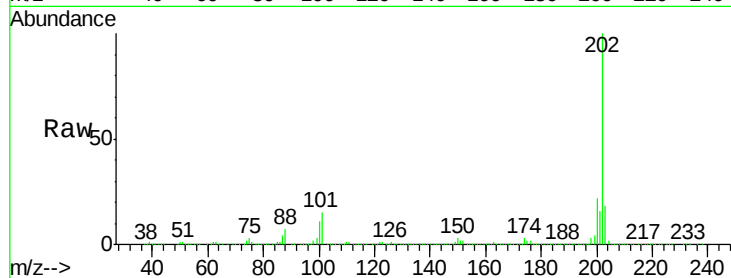
Tot Ion:202 Resp: 1385329

Ion Ratio Lower Upper

202 100

101 15.3 0.0 34.1

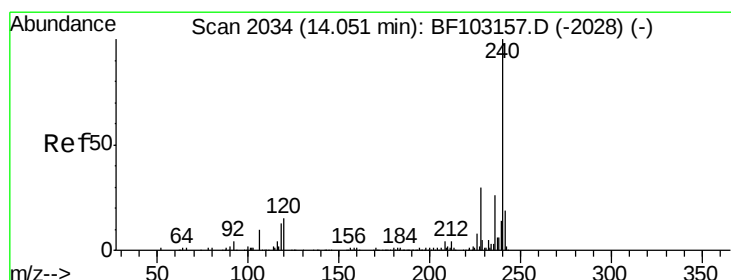
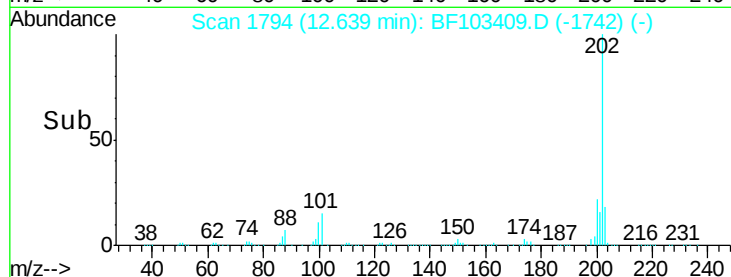
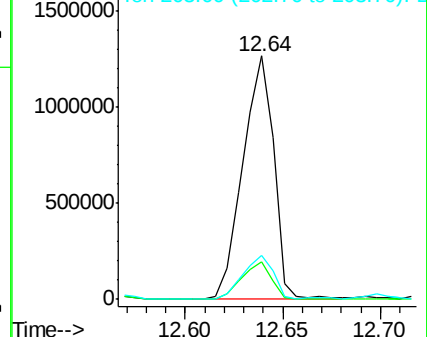
203 17.8 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.01 min

Lab File: BF103409.D

Acq: 5 Mar 2018 15:03

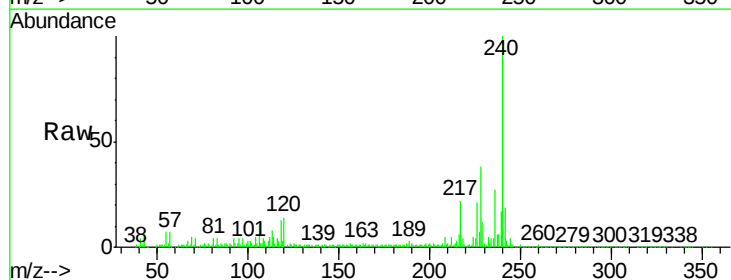
Tgt Ion:240 Resp: 220780

Ion Ratio Lower Upper

240 100

120 14.1 9.5 14.3

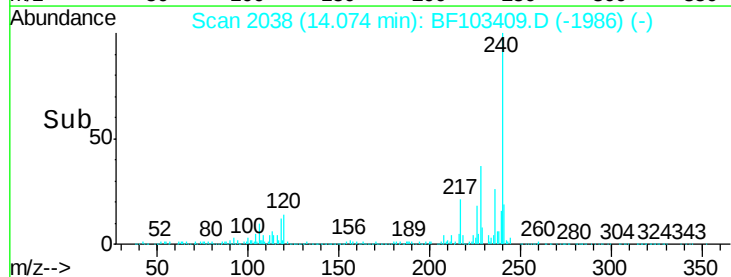
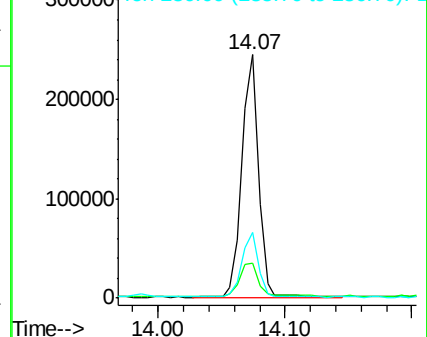
236 26.8 20.7 31.1

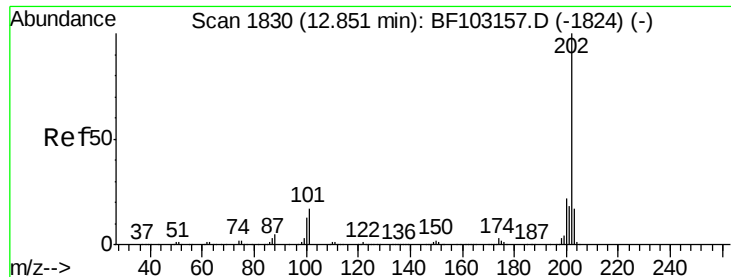


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 74.918 ng

RT: 12.87 min Scan# 1834

Delta R.T. 0.01 min

Lab File: BF103409.D

Acq: 5 Mar 2018 15:03

Instrument :

BNA_F

ClientSampled :

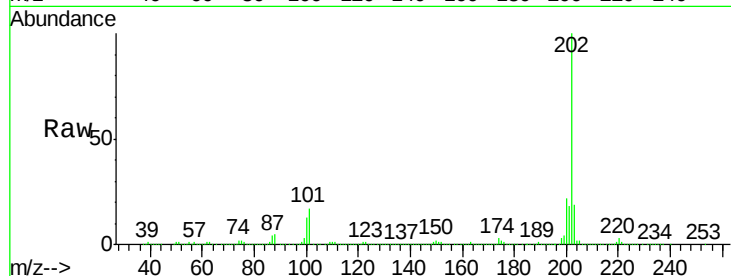
Tot Ion:202 Resp: 1289586

Ion Ratio Lower Upper

202 100

200 22.5 17.4 26.2

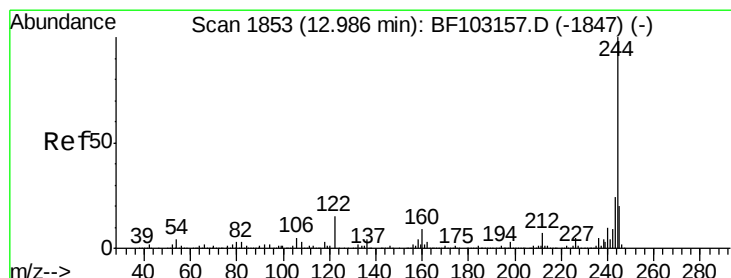
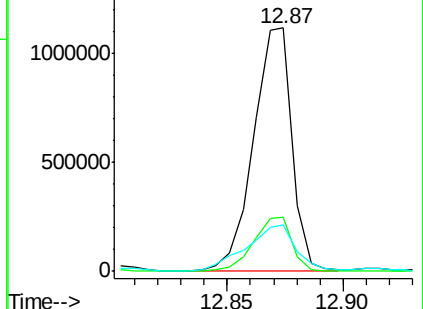
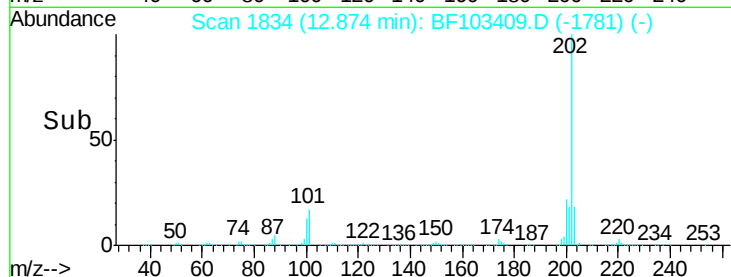
203 19.0 14.3 21.5



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: 29.750 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF103409.D

Acq: 5 Mar 2018 15:03

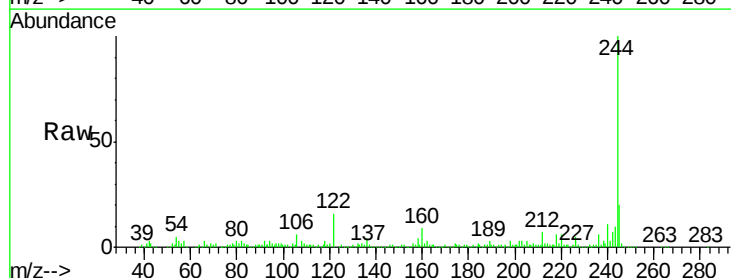
Tgt Ion:244 Resp: 273231

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

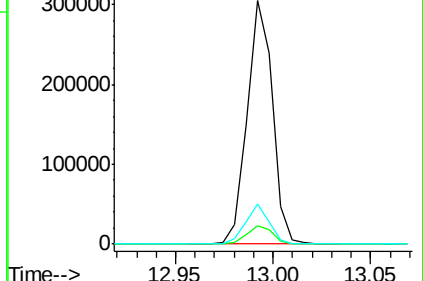
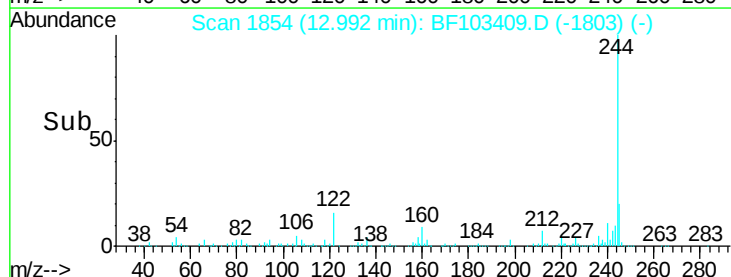
122 16.3 11.0 16.4

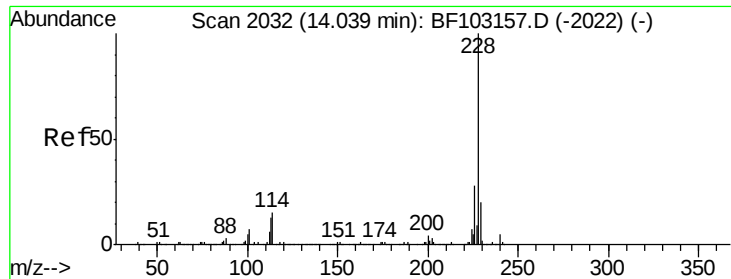


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

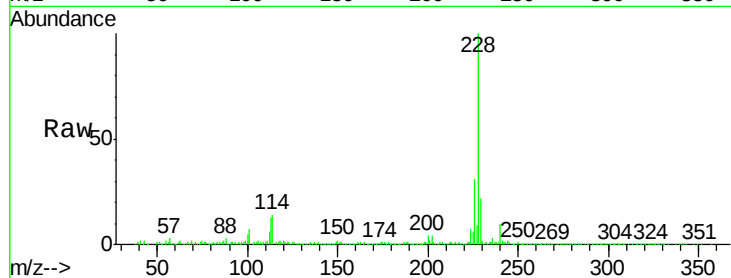




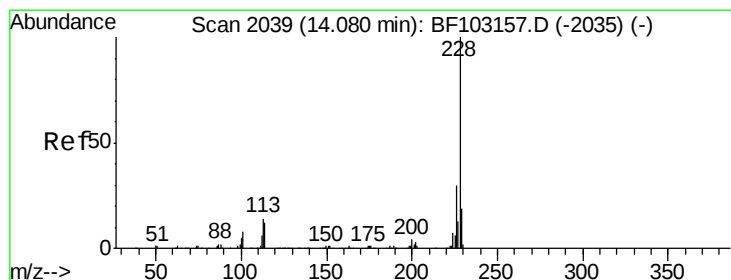
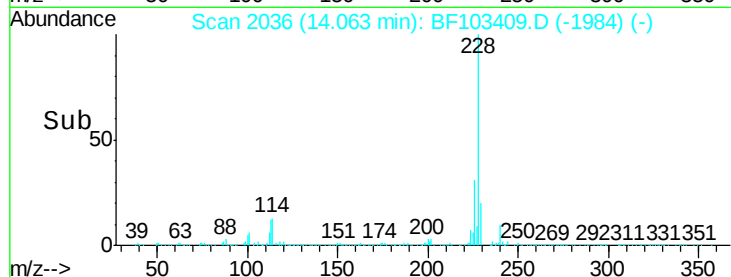
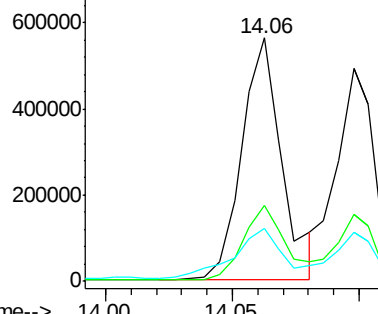
#80
Benzo(a)anthracene
Concen: 43.475 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.01 min
Lab File: BF103409.D
Acq: 5 Mar 2018 15:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 622776
Ion Ratio Lower Upper
228 100
226 31.2 22.6 33.8
229 21.6 15.8 23.6

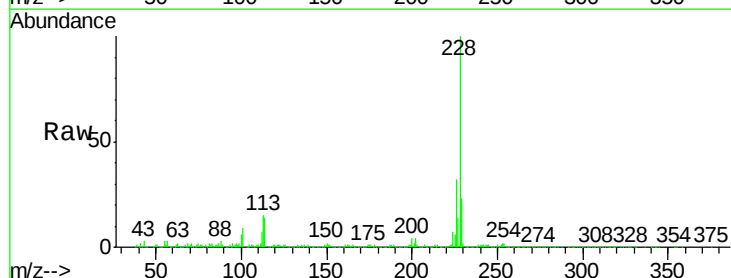


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

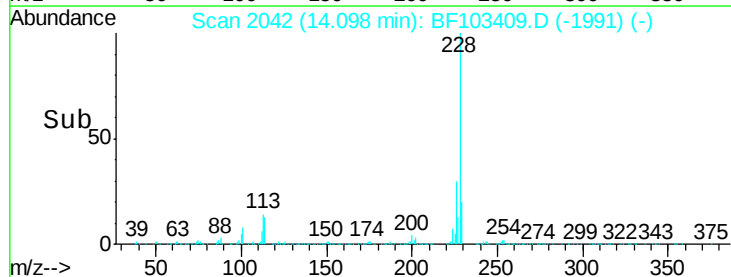
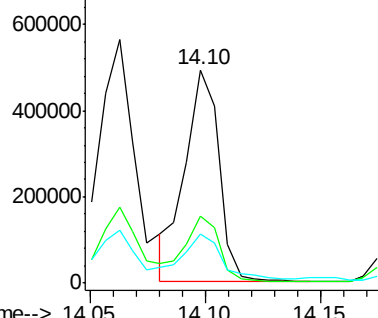


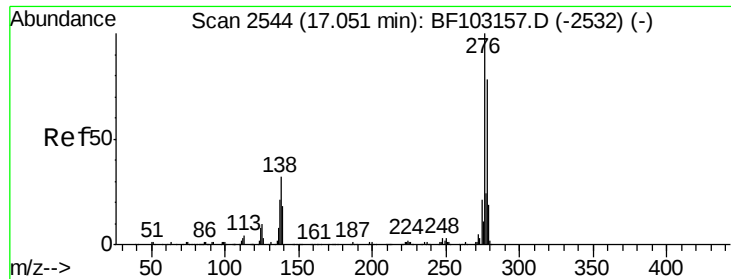
#82
Chrysene
Concen: 36.334 ng
RT: 14.10 min Scan# 2042
Delta R.T. 0.00 min
Lab File: BF103409.D
Acq: 5 Mar 2018 15:03

Tgt Ion:228 Resp: 505379
Ion Ratio Lower Upper
228 100
226 31.6 25.0 37.6
229 23.0 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

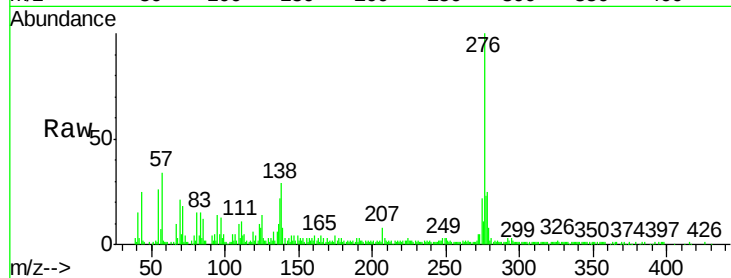




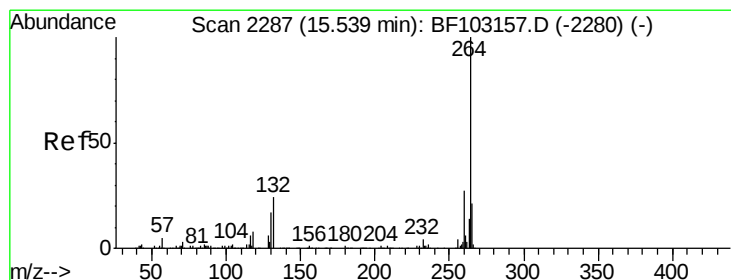
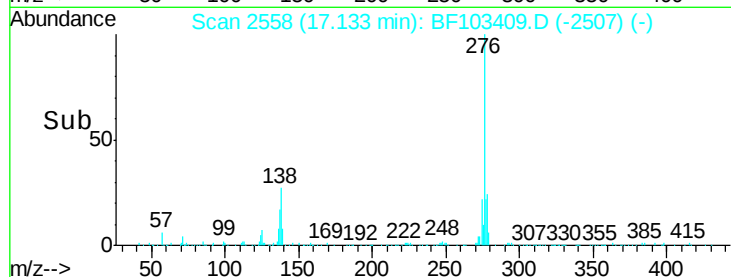
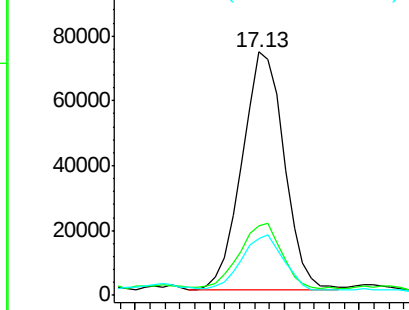
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 13.012 ng
 RT: 17.13 min Scan# 2558
 Delta R.T. 0.00 min
 Lab File: BF103409.D
 Acq: 5 Mar 2018 15:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 143282
 Ion Ratio Lower Upper
 276 100
 138 29.2 25.0 37.6
 277 23.5 20.1 30.1

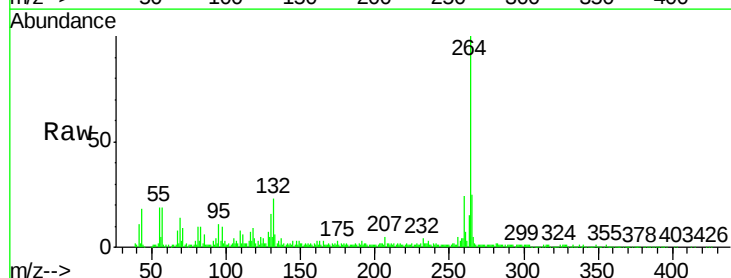


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

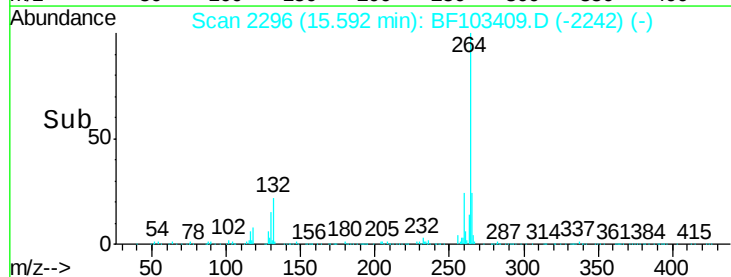
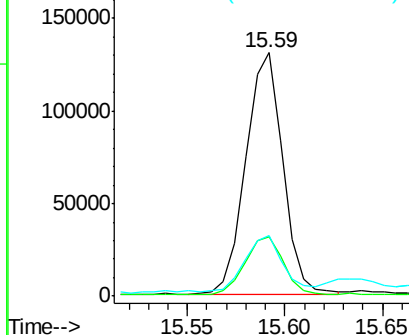


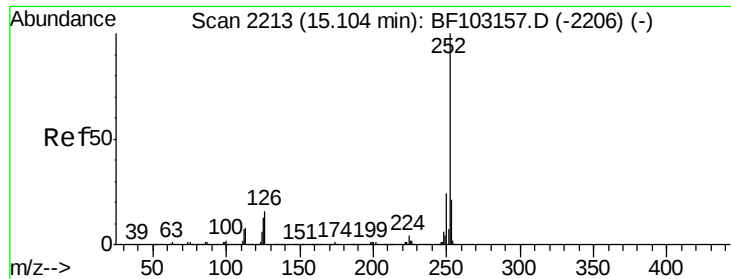
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.59 min Scan# 2296
 Delta R.T. 0.02 min
 Lab File: BF103409.D
 Acq: 5 Mar 2018 15:03

Tgt Ion:264 Resp: 171383
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 24.8 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: 52.232 ng

RT: 15.14 min Scan# 2220

Delta R.T. 0.01 min

Lab File: BF103409.D

Acq: 5 Mar 2018 15:03

Instrument :

BNA_F

ClientSampleId :

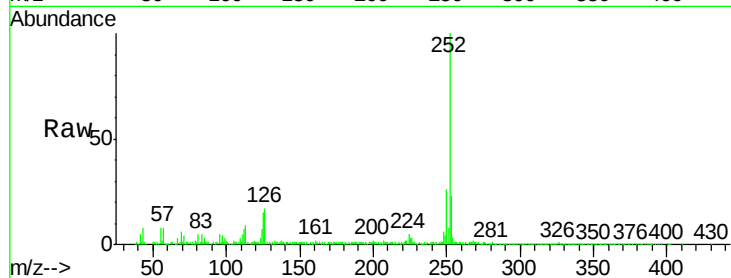
Tot Ion:252 Resp: 588564

Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.6

125 14.9 9.0 13.6#

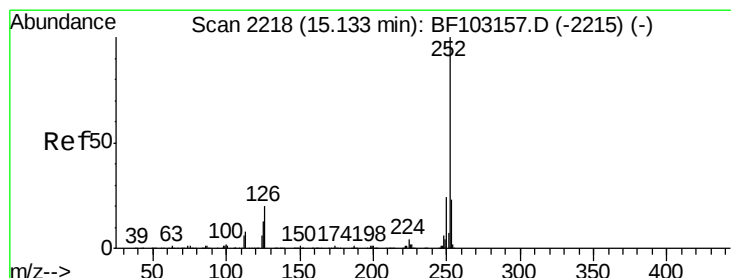
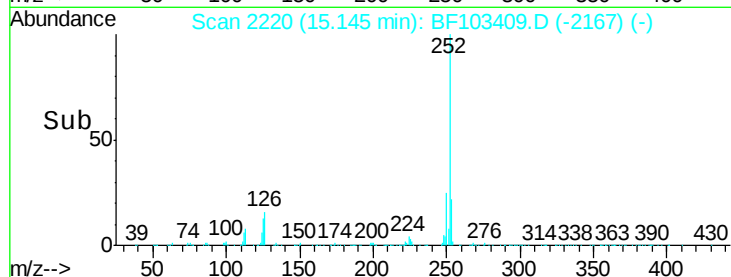
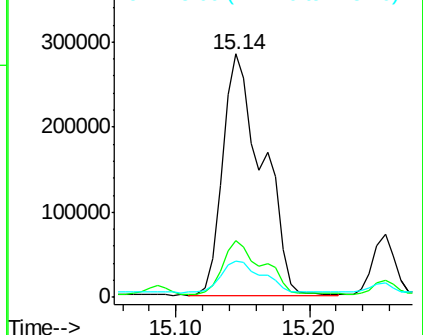


Abundance

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: 55.468 ng

RT: 15.14 min Scan# 2220

Delta R.T. -0.02 min

Lab File: BF103409.D

Acq: 5 Mar 2018 15:03

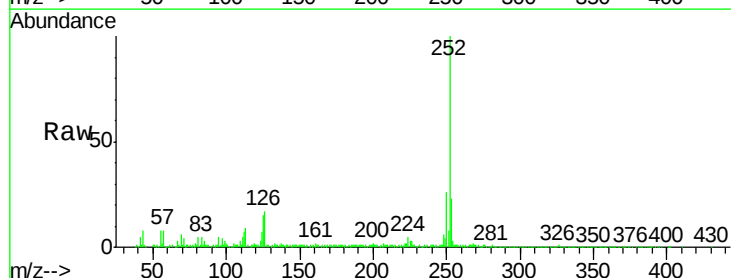
Tgt Ion:252 Resp: 588564

Ion Ratio Lower Upper

252 100

253 23.4 17.9 26.9

125 14.9 10.2 15.2

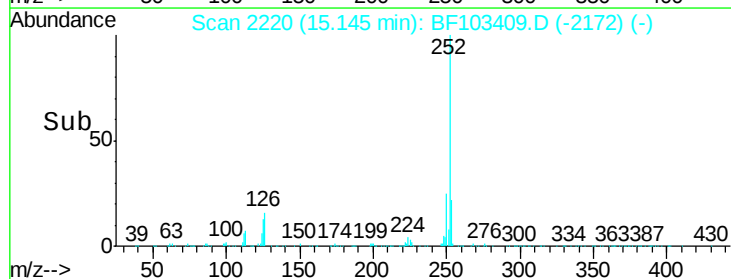
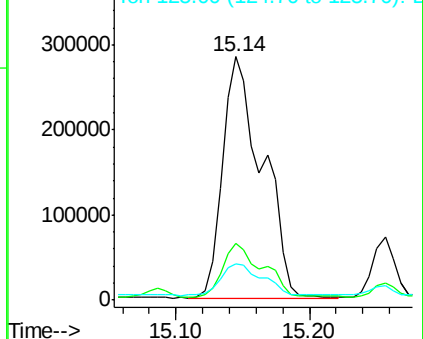


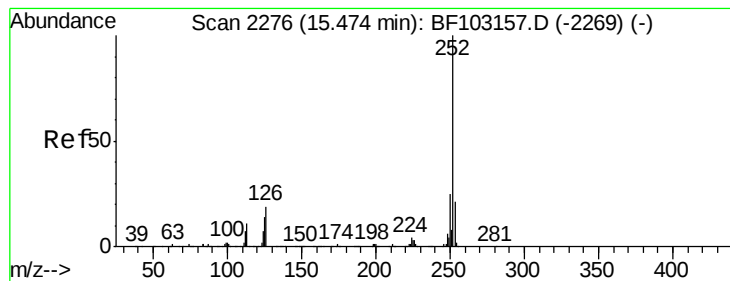
Abundance

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: 33.003 ng

RT: 15.53 min Scan# 2285

Delta R.T. 0.01 min

Lab File: BF103409.D

Acq: 5 Mar 2018 15:03

Instrument :

BNA_F

ClientSampleId :

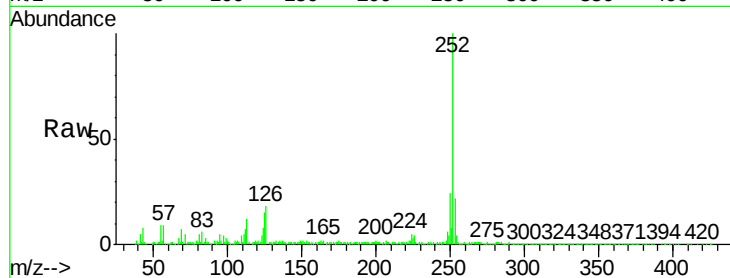
Tot Ion:252 Resp: 332097

Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

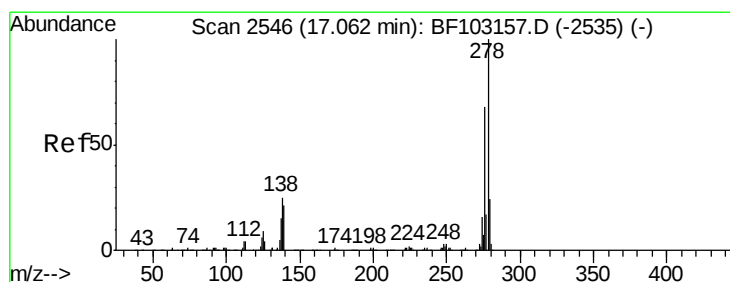
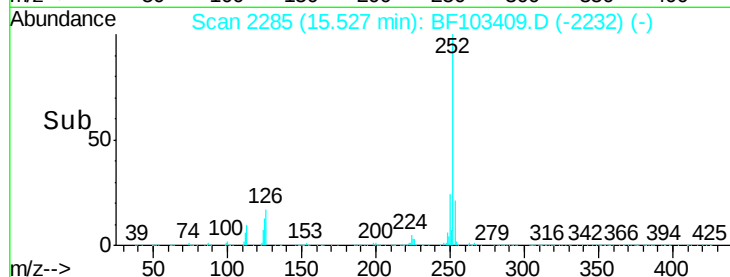
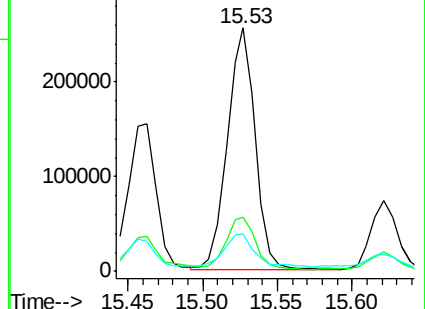
125 15.5 9.8 14.6#



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



#90

Dibenzo(a,h)anthracene

Concen: 4.895 ng

RT: 17.13 min Scan# 2558

Delta R.T. 0.00 min

Lab File: BF103409.D

Acq: 5 Mar 2018 15:03

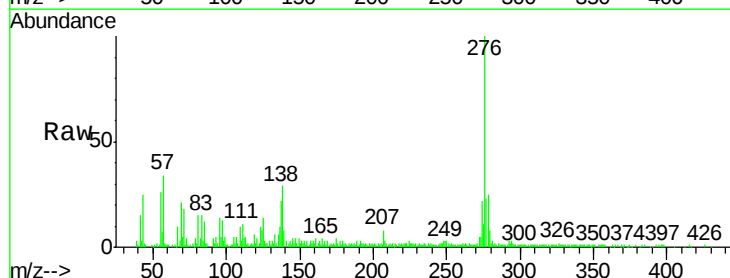
Tgt Ion:278 Resp: 38063

Ion Ratio Lower Upper

278 100

139 32.1 15.9 23.9#

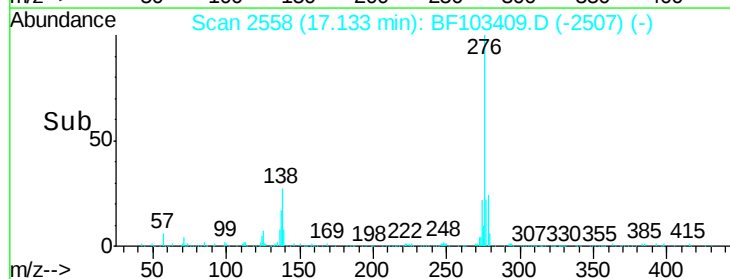
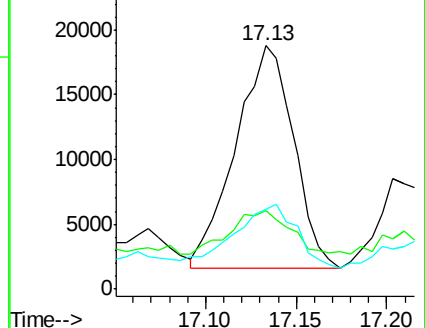
279 32.8 19.0 28.4#

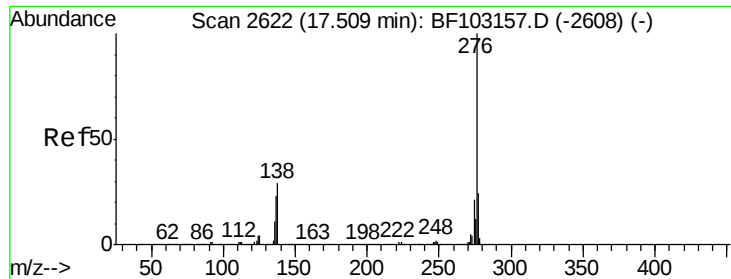


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

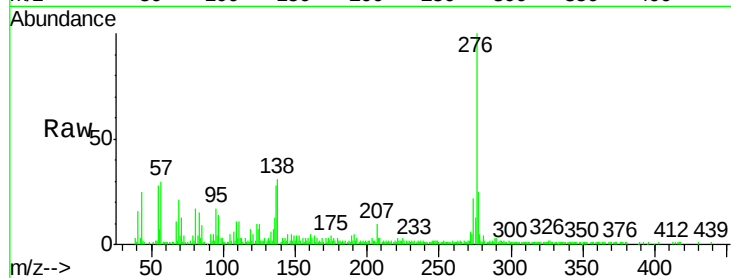




#91
 Benzo(a,h,i)perylene
 Concen: 17.764 ng
 RT: 17.61 min Scan# 2639
 Delta R.T. 0.02 min
 Lab File: BF103409.D
 Acq: 5 Mar 2018 15:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	17.9	26.9
138	31.1	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

