

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030618\
 Data File : BF103476.D
 Acq On : 7 Mar 2018 00:34
 Operator : SJ/JU
 Sample : J1722-17
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 07 02:07:15 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 06 11:52:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	134831	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	526683	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	216325	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	330818	20.00	ng	0.00
75) Chrysene-d12	14.06	240	213611	20.00	ng	0.00
86) Perylene-d12	15.57	264	161852	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	987250	110.74	ng	0.00
7) Phenol-d6	6.51	99	1198614	109.88	ng	0.00
23) Nitrobenzene-d5	7.44	82	734697	79.66	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	151483	82.73	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	969666	75.09	ng	0.00
78) Terphenyl-d14	12.99	244	678453	76.35	ng	0.00

Target Compounds

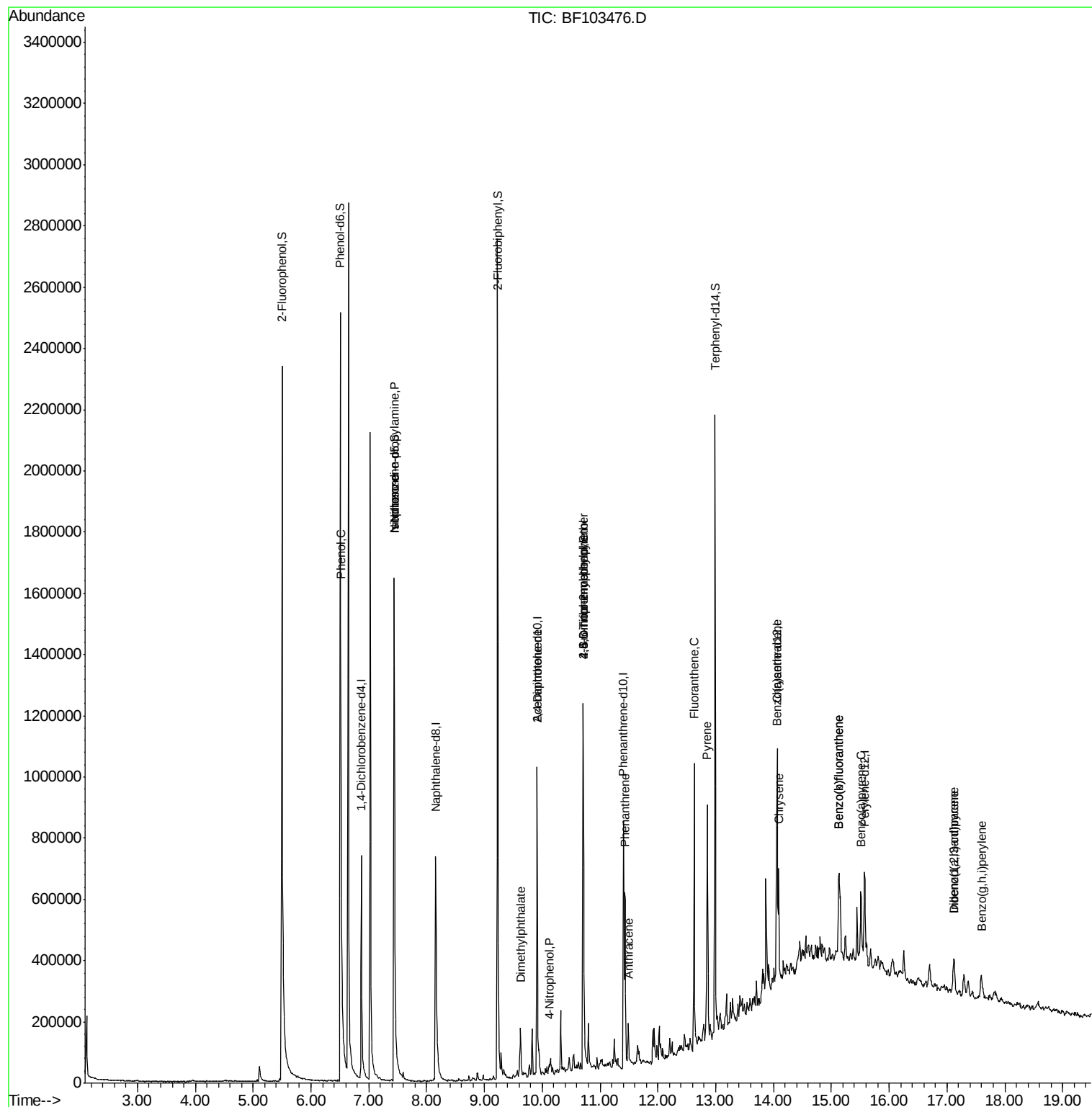
						Qvalue
9) Benzaldehyde	6.51	77	2458	Below Cal	#	1
10) Phenol	6.52	94	30596	2.416 ng	#	30
19) n-Nitroso-di-n-propylamine	7.44	70	96504	14.214 ng	#	82
25) Isophorone	7.44	82	734697	40.448 ng	#	64
49) Dimethylphthalate	9.62	163	74317	4.282 ng		100
55) 4-Nitrophenol	10.13	139	6819	2.381 ng	#	21
56) 2,4-Dinitrotoluene	9.91	165	29505	6.406 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.70	198	401	5.124 ng	#	1
66) 4-Bromophenyl-phenylether	10.71	248	11061	3.210 ng	#	1
70) Phenanthrene	11.43	178	221430	12.163 ng		99
71) Anthracene	11.49	178	72782	3.899 ng		99
74) Fluoranthene	12.63	202	369006	20.170 ng		99
77) Pvrene	12.86	202	322074	19.339 ng		99
80) Benzo(a)anthracene	14.05	228	164825	11.892 ng		98
82) Chrysene	14.09	228	152230	11.312 ng		97
85) Indeno(1,2,3-cd)pyrene	17.12	276	68270	6.408 ng		96
87) Benzo(b)fluoranthene	15.13	252	231819	21.784 ng	#	95
88) Benzo(k)fluoranthene	15.13	252	231819	23.134 ng		98
89) Benzo(a)pvrene	15.52	252	116752	12.286 ng	#	94
90) Dibenzo(a,h)anthracene	17.12	278	17523	2.386 ng	#	76
91) Benzo(g,h,i)perylene	17.59	276	68793	9.586 ng	#	90

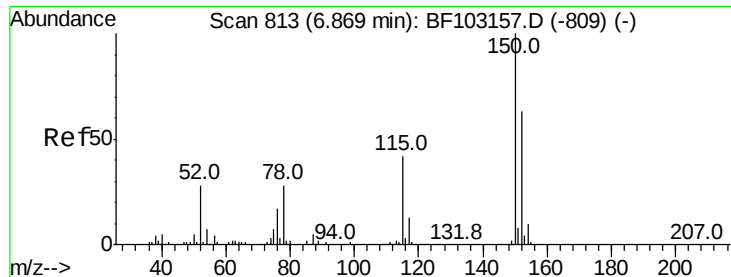
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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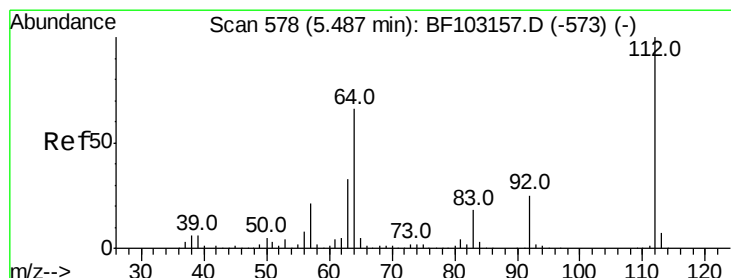
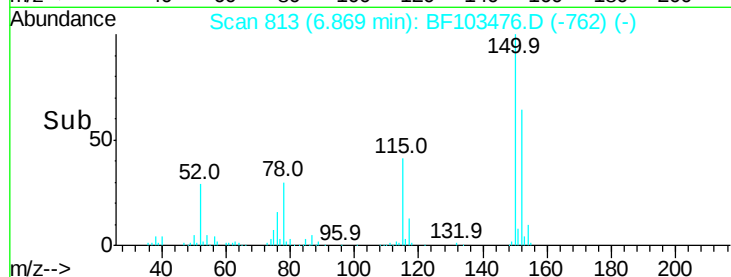
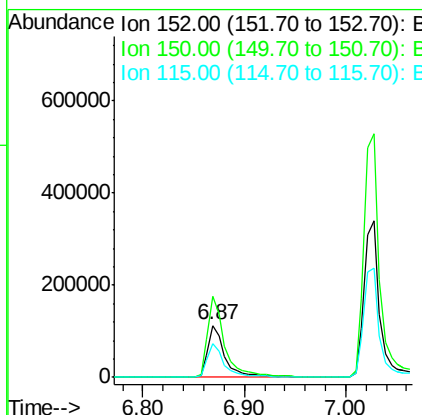
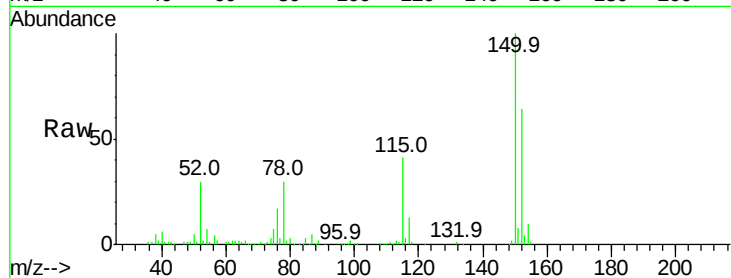


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103476.D
Acq: 7 Mar 2018 00:34

Instrument :
BNA_F
ClientSampleId :

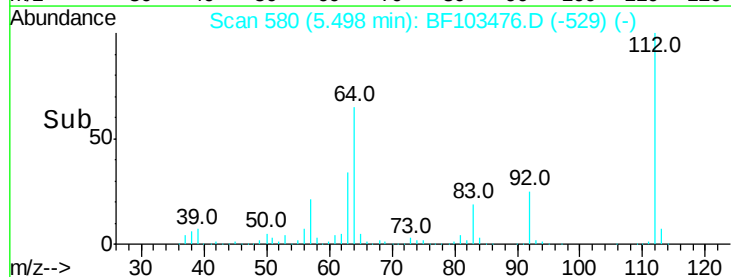
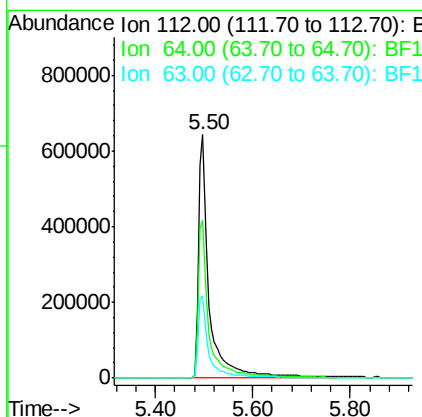
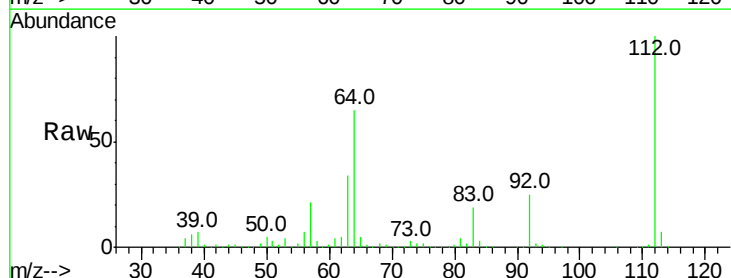
Tot Ion:152 Resp: 134831
Ion Ratio Lower Upper
152 100
150 156.3 124.6 186.8
115 64.7 50.1 75.1

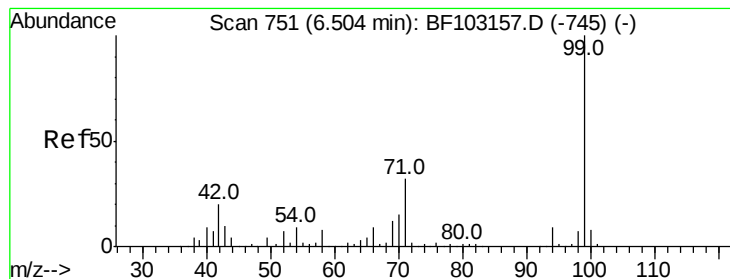


#5

2-Fluorophenol
Concen: 110.742 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.00 min
Lab File: BF103476.D
Acq: 7 Mar 2018 00:34

Tgt Ion:112 Resp: 987250
Ion Ratio Lower Upper
112 100
64 64.8 47.9 71.9
63 33.9 23.7 35.5





#7

Phenol-d6

Concen: 109.877 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103476.D

Acq: 7 Mar 2018 00:34

Instrument :

BNA_F

ClientSampleId :

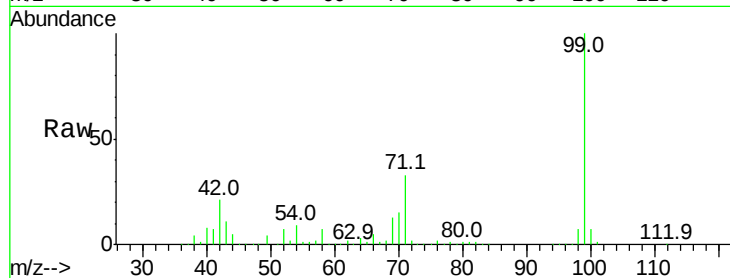
Tot Ion: 99 Resp: 1198614

Ion Ratio Lower Upper

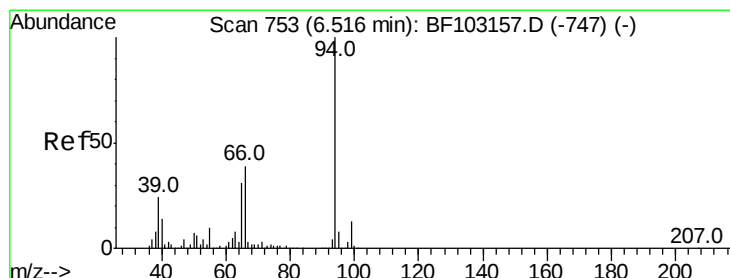
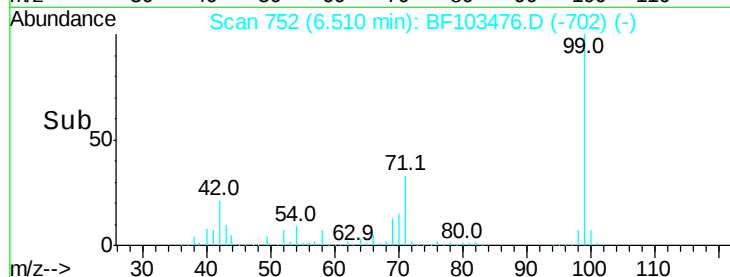
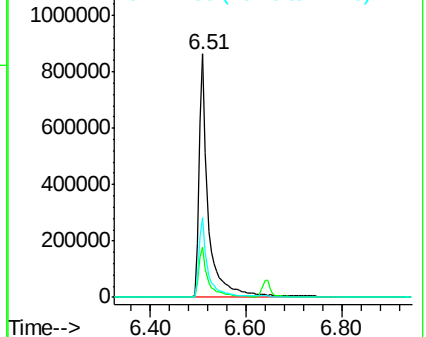
99 100

42 20.9 14.5 21.7

71 32.9 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



#10

Phenol

Concen: 2.416 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF103476.D

Acq: 7 Mar 2018 00:34

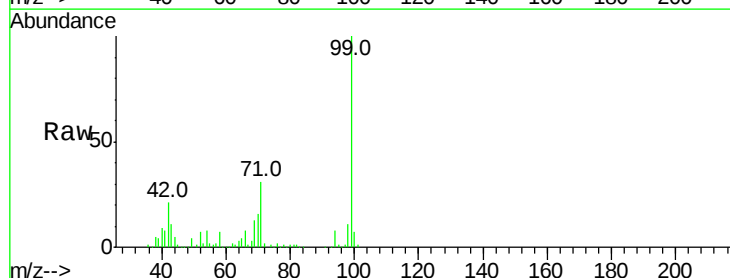
Tgt Ion: 94 Resp: 30596

Ion Ratio Lower Upper

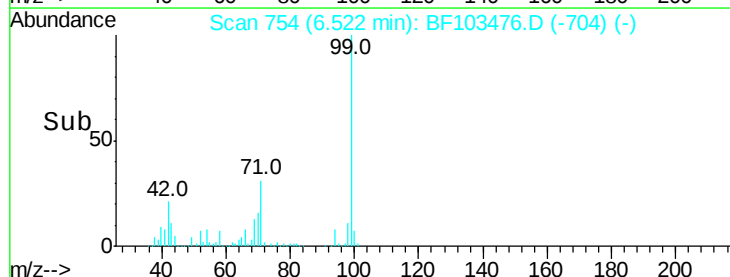
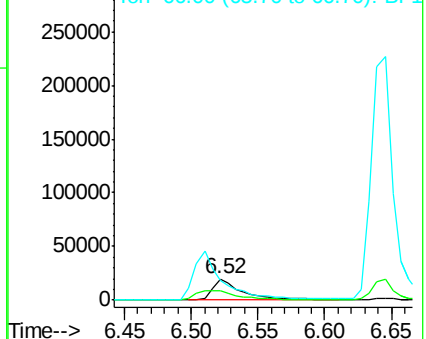
94 100

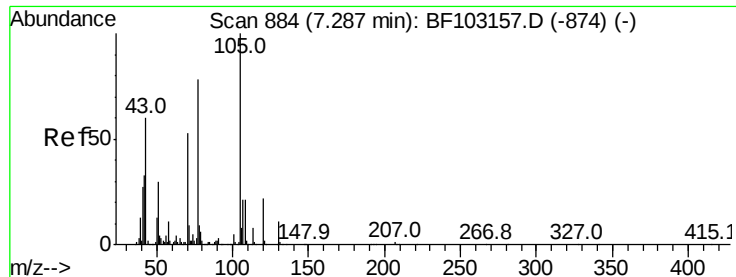
65 43.0 7.9 47.9

66 95.9 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

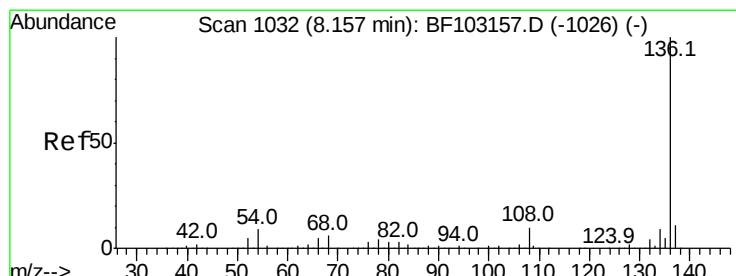
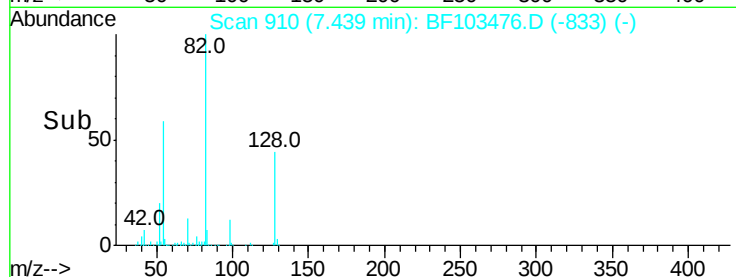
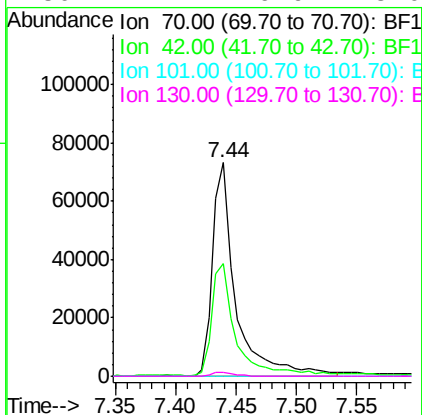
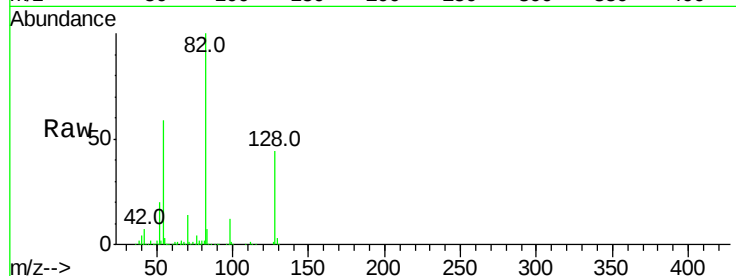




#19
n-Nitroso-di-n-propylamine
Concen: 14.214 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF103476.D
Acq: 7 Mar 2018 00:34

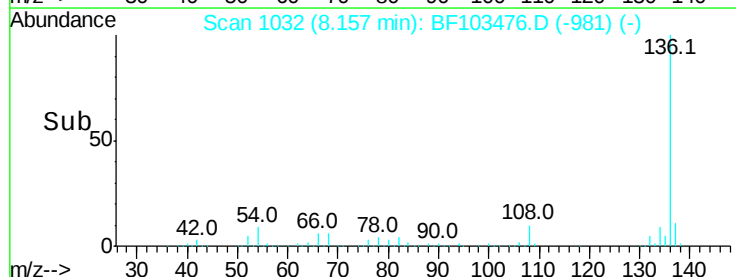
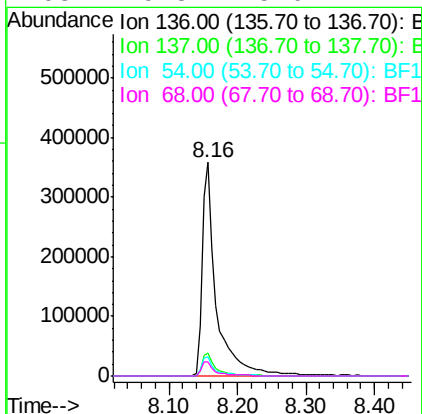
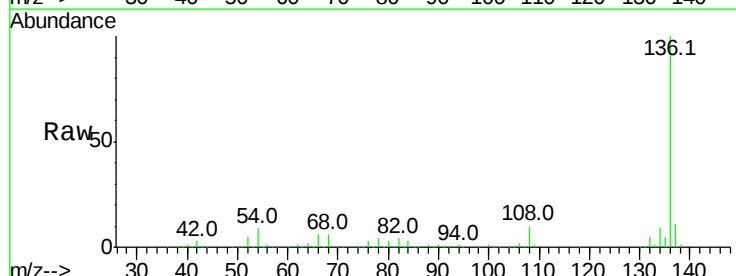
Instrument :
BNA_F
ClientSampleId :

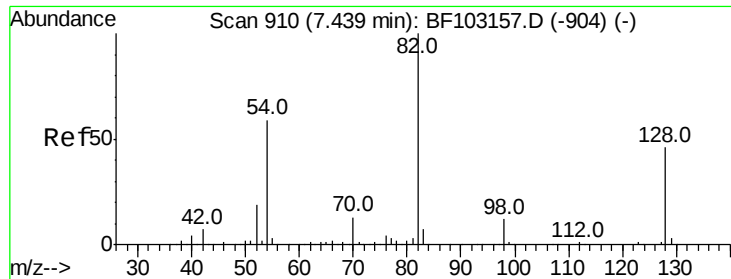
Tot Ion: 70 Resp: 96504
Ion Ratio Lower Upper
70 100
42 52.9 47.5 71.3
101 0.0 7.4 11.2#
130 1.7 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF103476.D
Acq: 7 Mar 2018 00:34

Tgt Ion:136 Resp: 526683
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 8.7 6.6 9.8
68 6.3 5.0 7.4

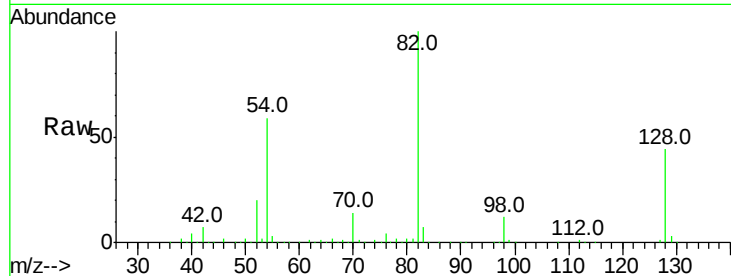




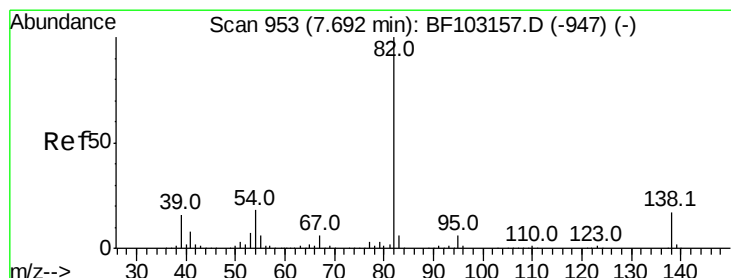
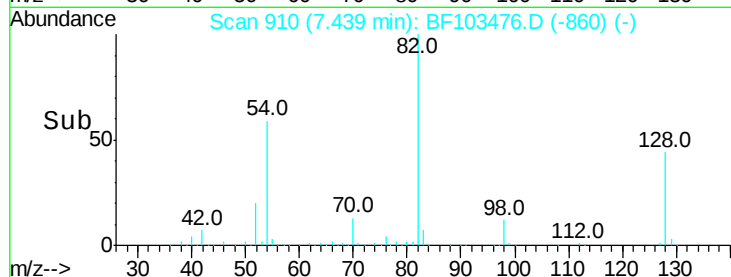
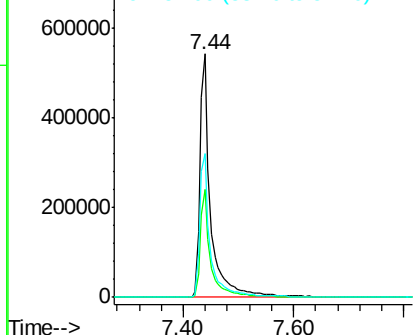
#23
Nitrobenzene-d5
Concen: 79.663 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103476.D
Acq: 7 Mar 2018 00:34

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.1	36.1	54.1
54	59.2	41.4	62.2

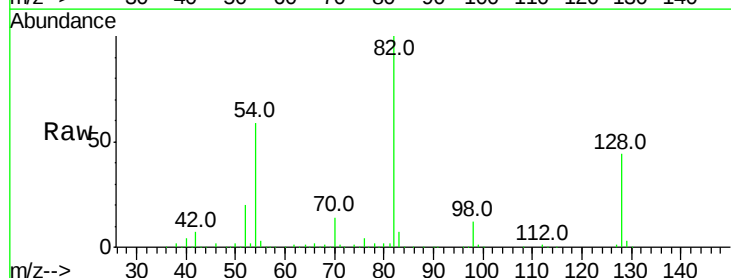


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

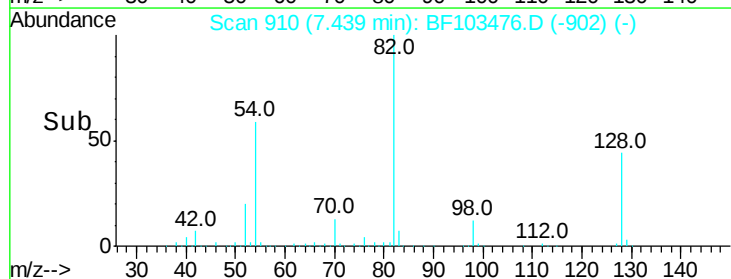
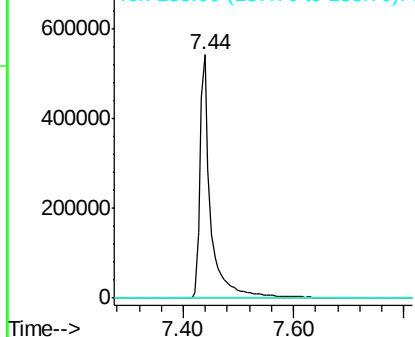


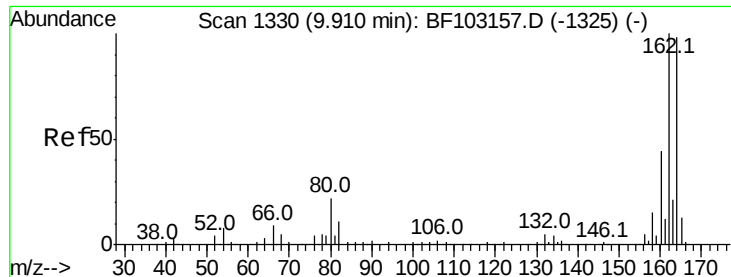
#25
Isophorone
Concen: 40.448 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.25 min
Lab File: BF103476.D
Acq: 7 Mar 2018 00:34

Tgt 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

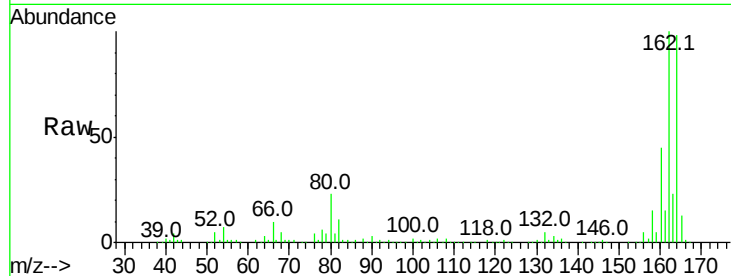




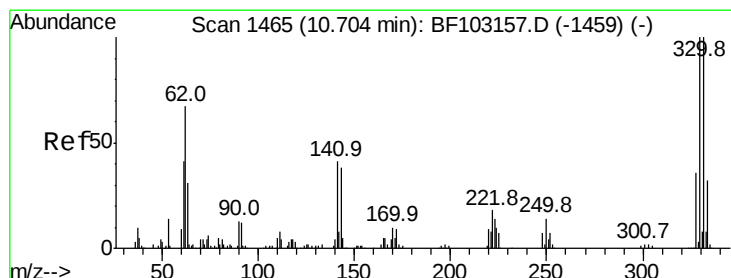
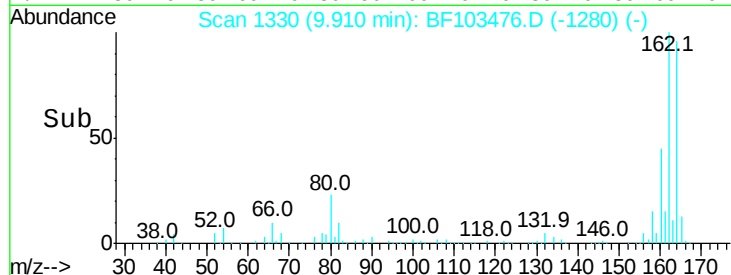
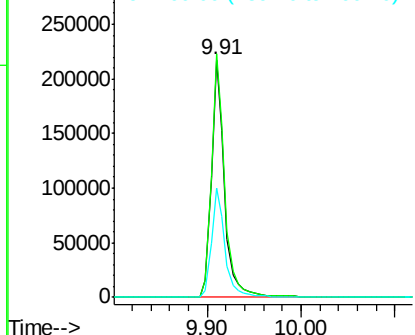
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF103476.D
 Acq: 7 Mar 2018 00:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 216325
 Ion Ratio Lower Upper
 164 100
 162 102.5 86.1 129.1
 160 45.8 38.3 57.5

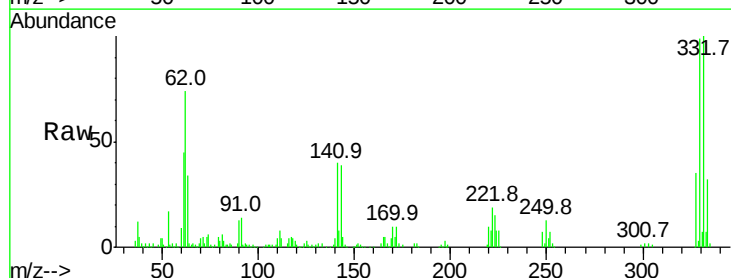


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

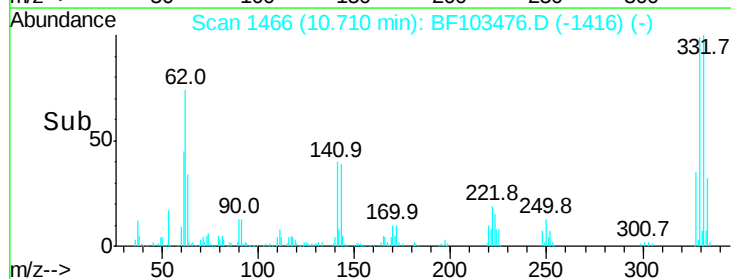
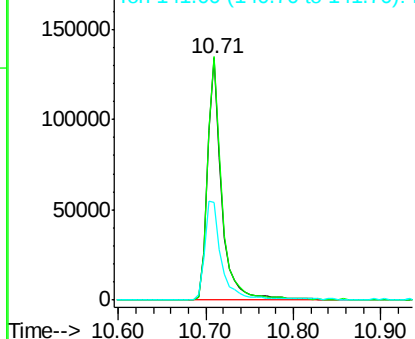


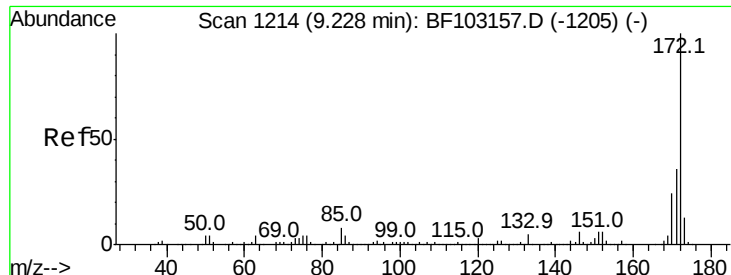
#41
 2,4,6-Tribromophenol
 Concen: 82.729 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103476.D
 Acq: 7 Mar 2018 00:34

Tgt Ion:330 Resp: 151483
 Ion Ratio Lower Upper
 330 100
 332 101.9 77.0 115.6
 141 47.9 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

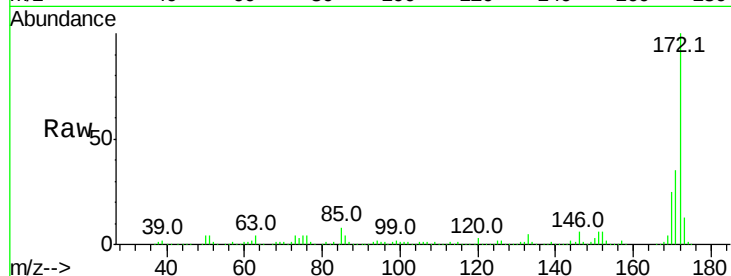




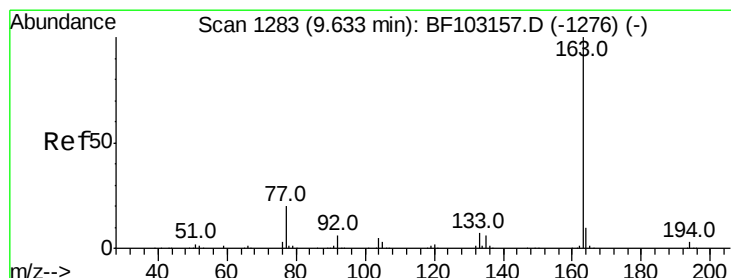
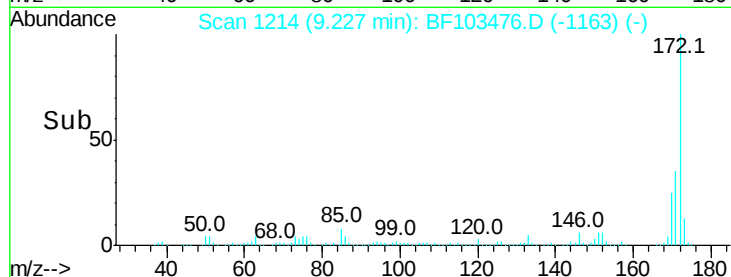
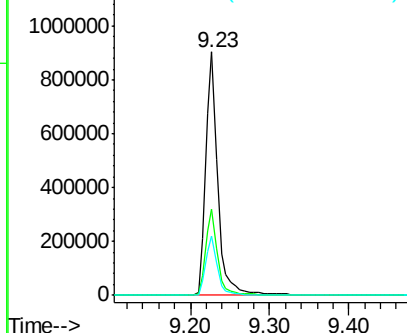
#44
2-Fluorobiphenyl
Concen: 75.085 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.00 min
Lab File: BF103476.D
Acq: 7 Mar 2018 00:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 969666
Ion Ratio Lower Upper
172 100
171 35.5 29.7 44.5
170 24.6 19.6 29.4

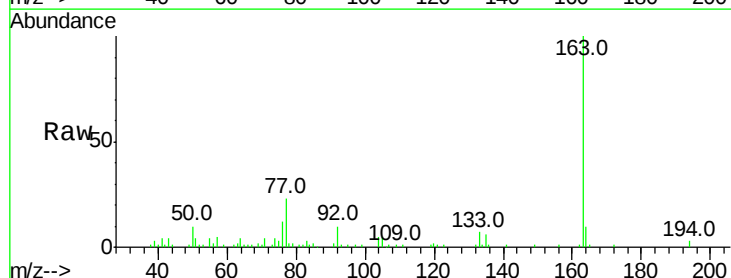


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

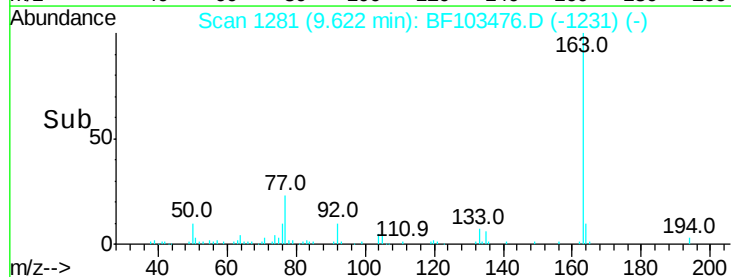
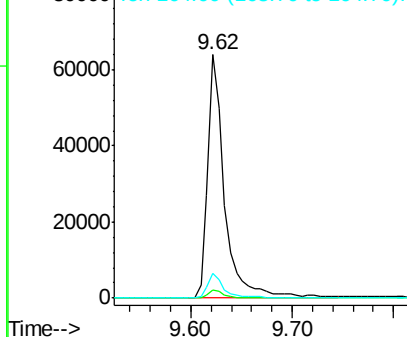


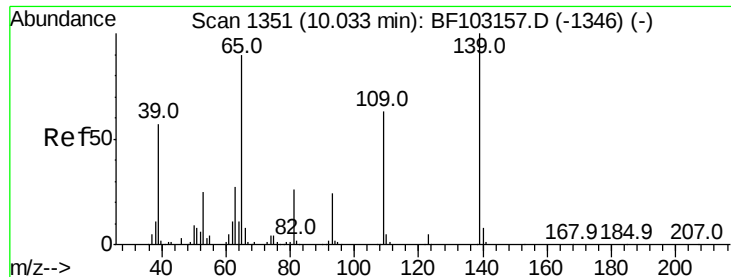
#49
Dimethylphthalate
Concen: 4.282 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103476.D
Acq: 7 Mar 2018 00:34

Tgt Ion:163 Resp: 74317
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 10.3 8.2 12.2



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

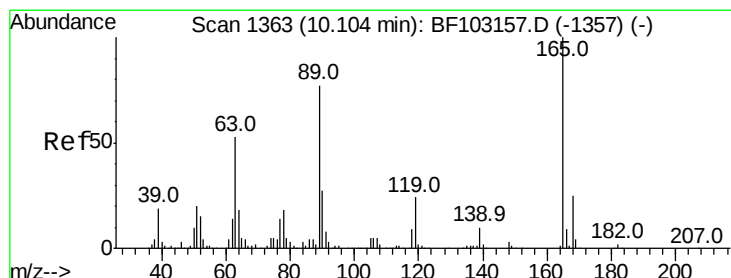
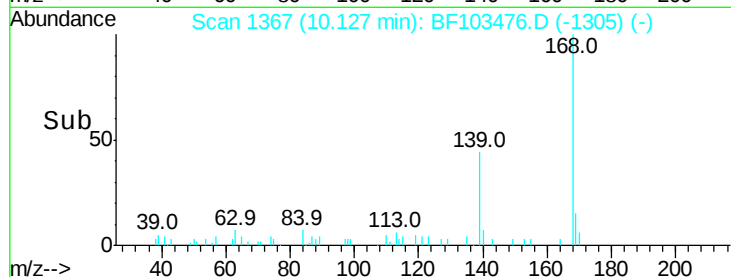
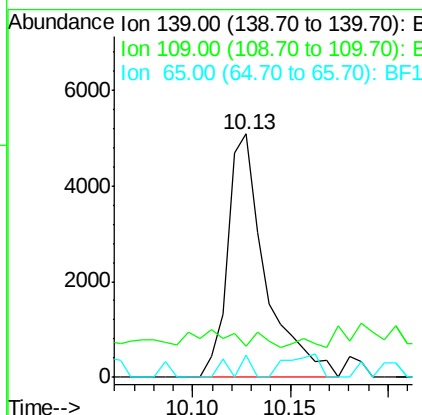
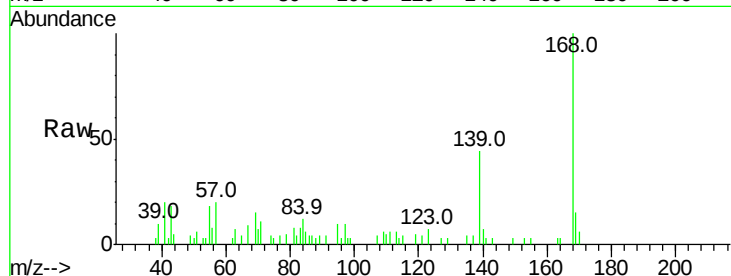




#55
4-Nitrophenol
Concen: 2.381 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.06 min
Lab File: BF103476.D
Acq: 7 Mar 2018 00:34

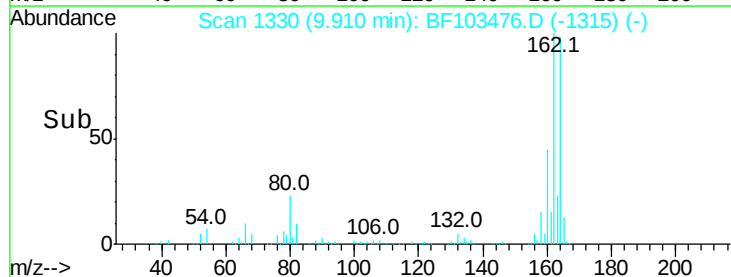
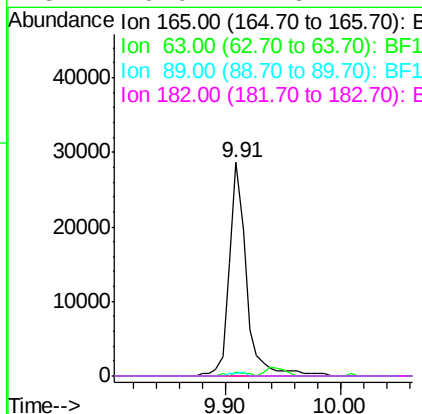
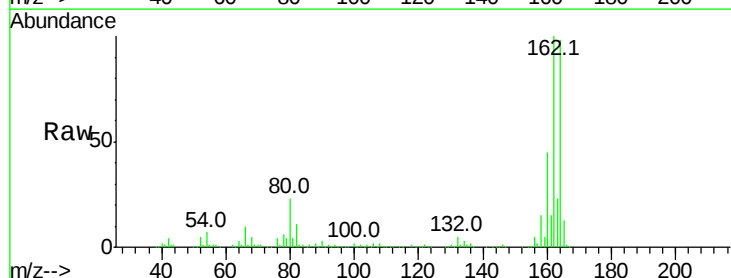
Instrument :
BNA_F
ClientSampleId :

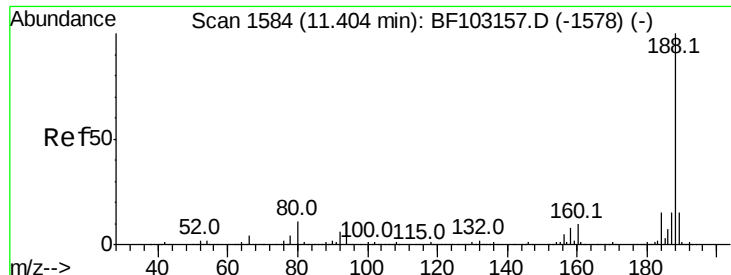
Tot Ion:139 Resp: 6819
Ion Ratio Lower Upper
139 100
109 13.0 48.4 88.4#
65 9.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 6.406 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.21 min
Lab File: BF103476.D
Acq: 7 Mar 2018 00:34

Tgt Ion:165 Resp: 29505
Ion Ratio Lower Upper
165 100
63 1.7 36.4 54.6#
89 1.3 57.8 86.6#
182 0.0 1.6 2.4#

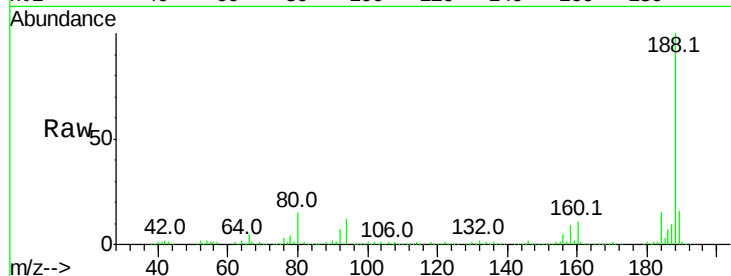




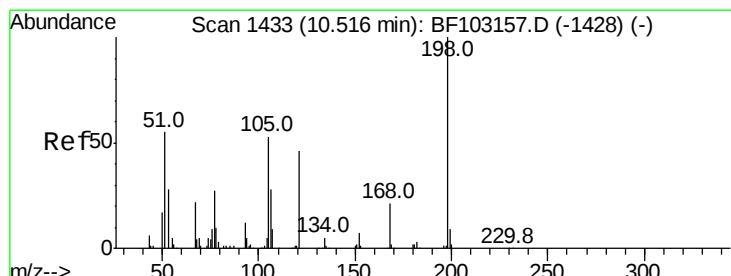
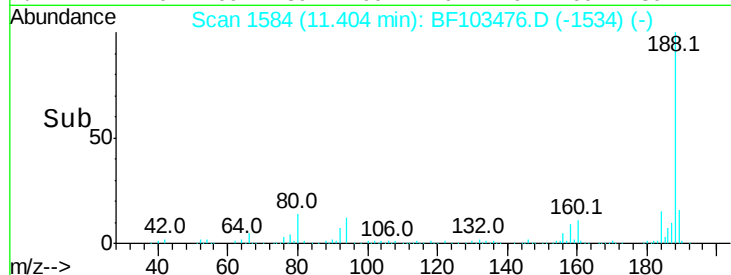
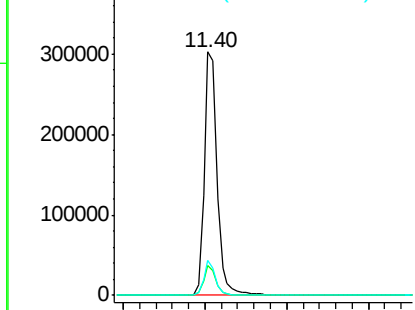
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103476.D
Acq: 7 Mar 2018 00:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 330818
Ion Ratio Lower Upper
188 100
94 12.5 8.5 12.7
80 14.5 9.2 13.8#

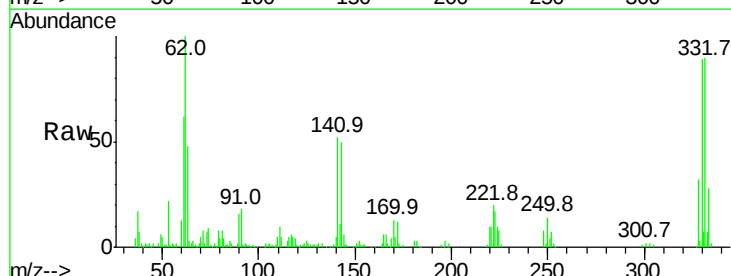


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

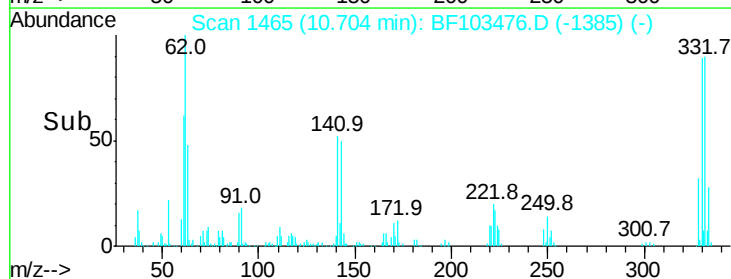
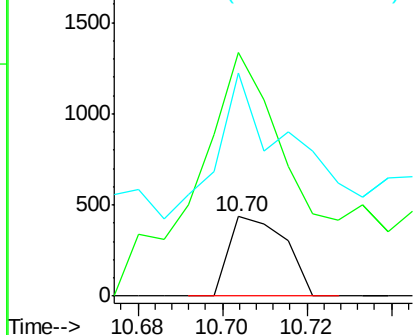


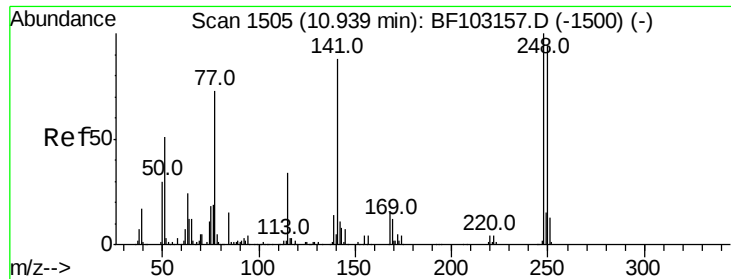
#64
4,6-Dinitro-2-methylphenol
Concen: 5.124 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.17 min
Lab File: BF103476.D
Acq: 7 Mar 2018 00:34

Tgt Ion:198 Resp: 401
Ion Ratio Lower Upper
198 100
51 305.7 37.7 77.7#
105 279.4 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

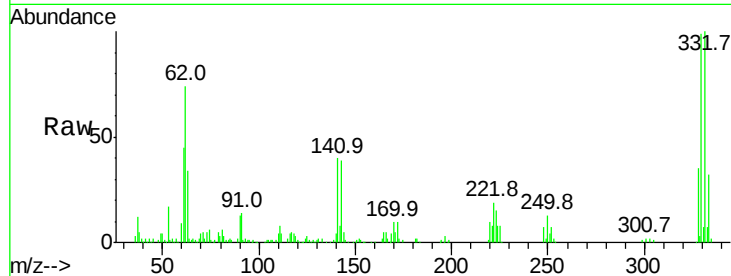




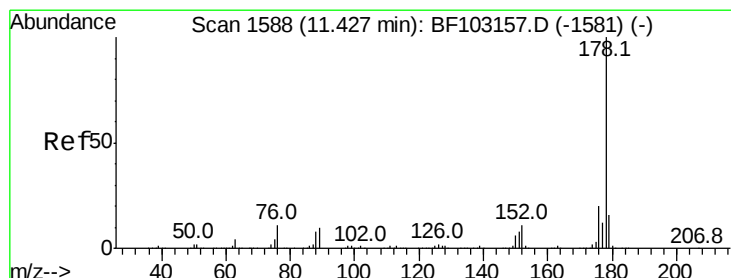
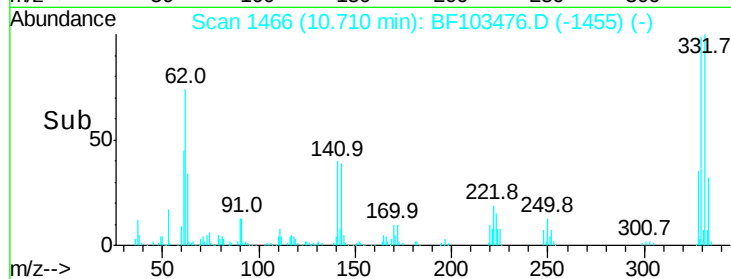
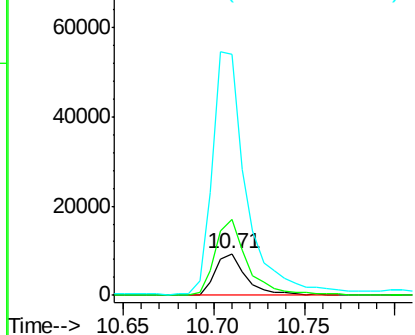
#66
4-Bromophenyl-phenylether
Concen: 3.210 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103476.D
Acq: 7 Mar 2018 00:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 11061
Ion Ratio Lower Upper
248 100
250 185.0 76.9 115.3#
141 581.6 74.4 111.6#

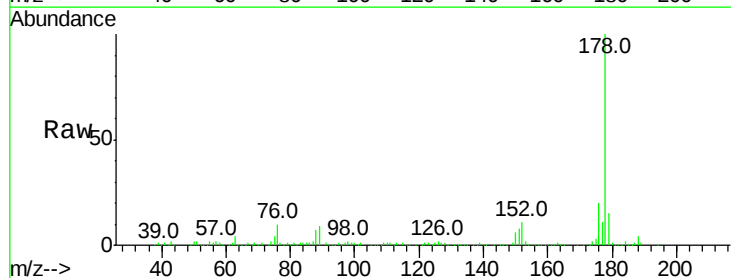


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

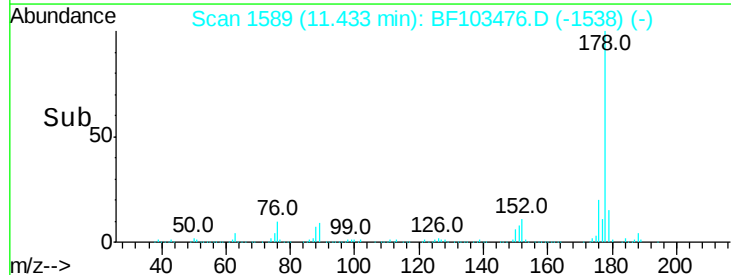
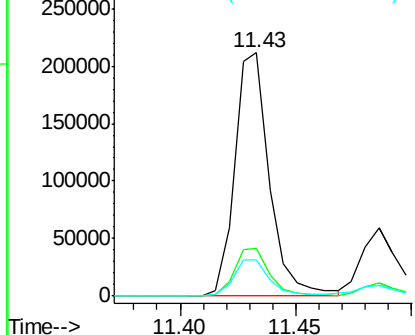


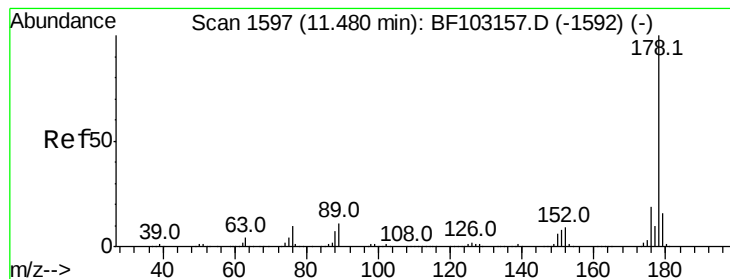
#70
Phenanthrene
Concen: 12.163 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BF103476.D
Acq: 7 Mar 2018 00:34

Tgt Ion:178 Resp: 221430
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 15.1 13.0 19.6



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





#71

Anthracene

Concen: 3.899 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.00 min

Lab File: BF103476.D

Acq: 7 Mar 2018 00:34

Instrument :

BNA_F

ClientSampleId :

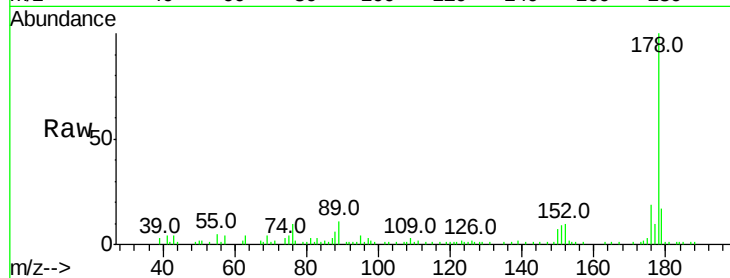
Tot Ion:178 Resp: 72782

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

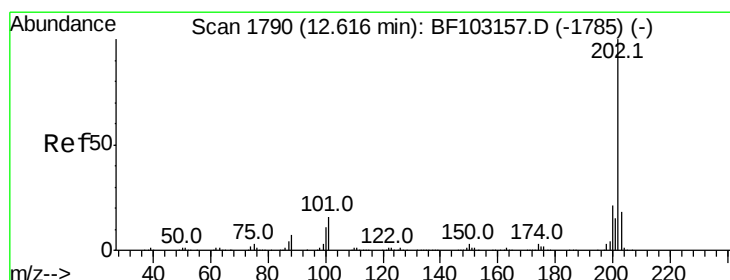
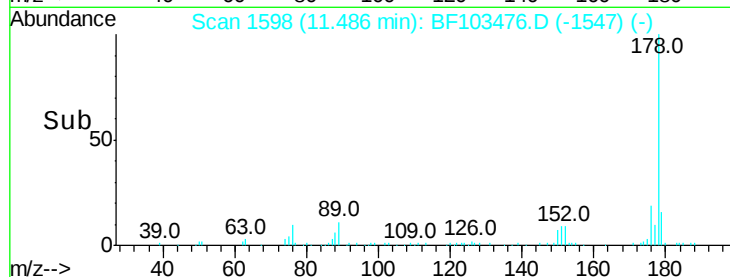
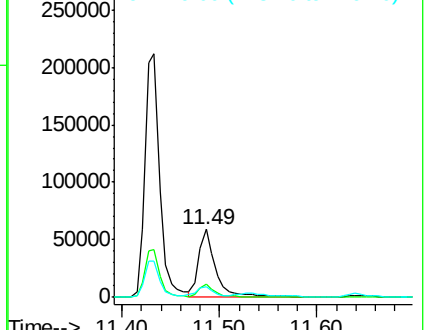
179 16.6 12.6 19.0



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: 20.170 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF103476.D

Acq: 7 Mar 2018 00:34

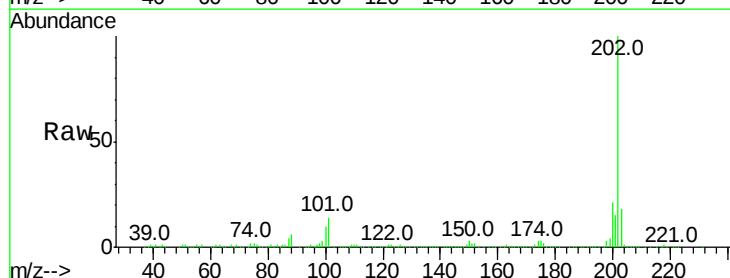
Tgt Ion:202 Resp: 369006

Ion Ratio Lower Upper

202 100

101 13.5 0.0 34.1

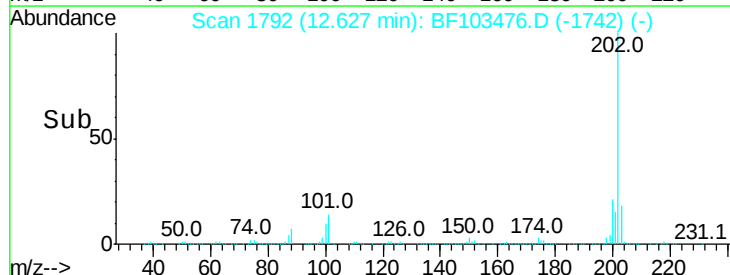
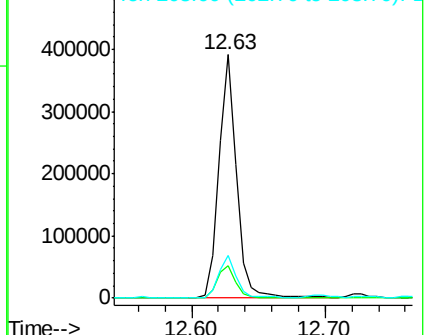
203 17.6 0.0 38.1

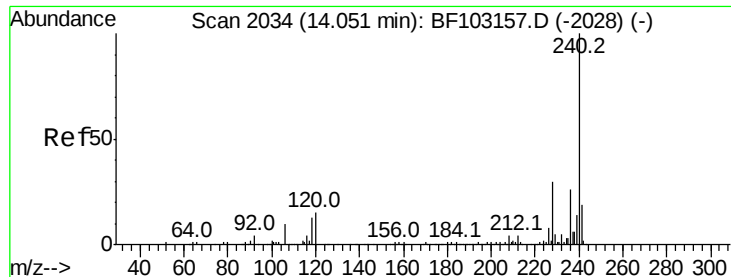


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF103476.D

Acq: 7 Mar 2018 00:34

Instrument :

BNA_F

ClientSampleId :

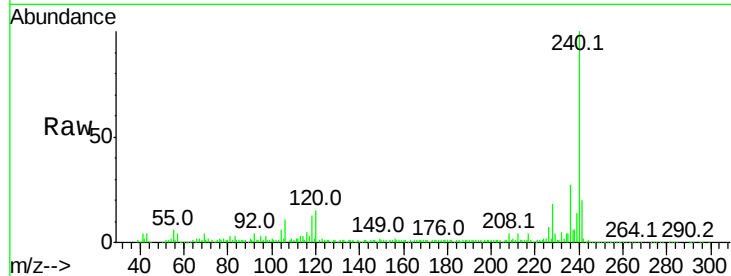
Tot Ion:240 Resp: 213611

Ion Ratio Lower Upper

240 100

120 15.4 9.5 14.3#

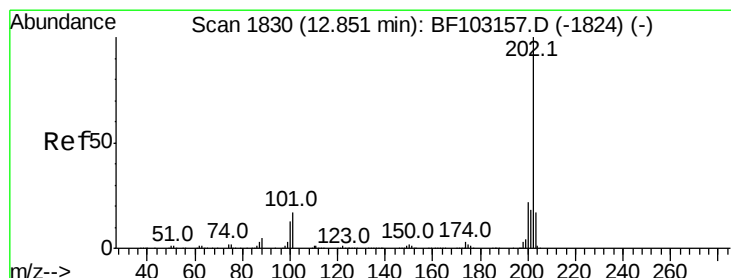
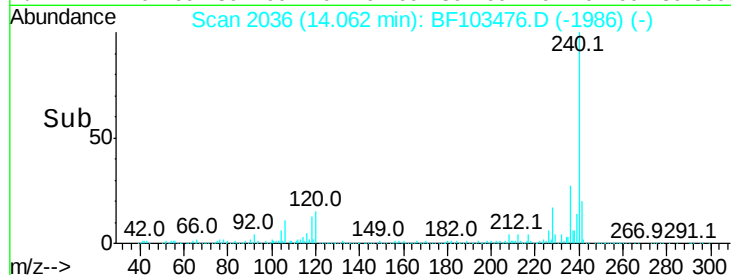
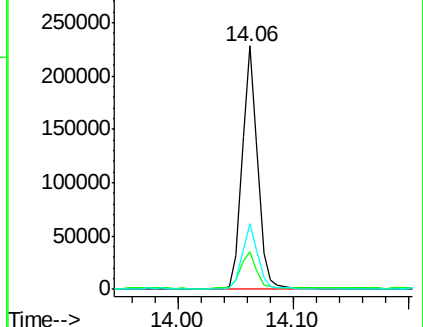
236 27.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 19.339 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF103476.D

Acq: 7 Mar 2018 00:34

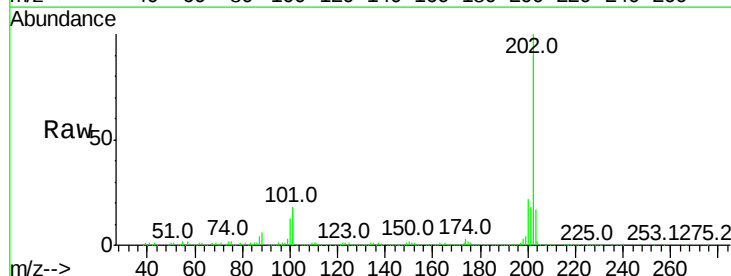
Tgt Ion:202 Resp: 322074

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

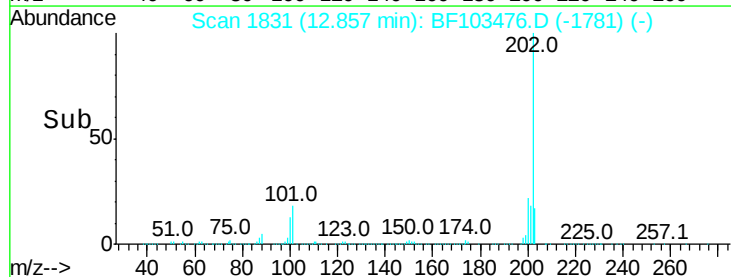
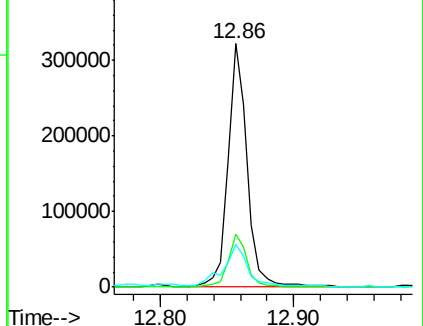
203 17.3 14.3 21.5

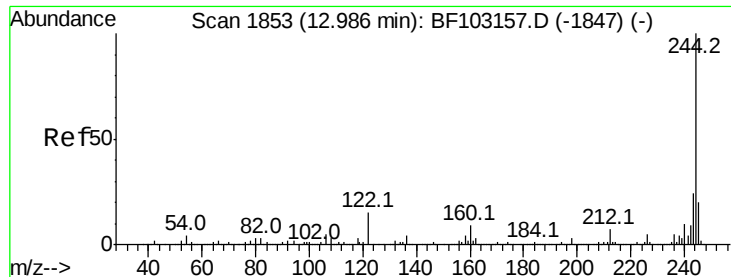


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

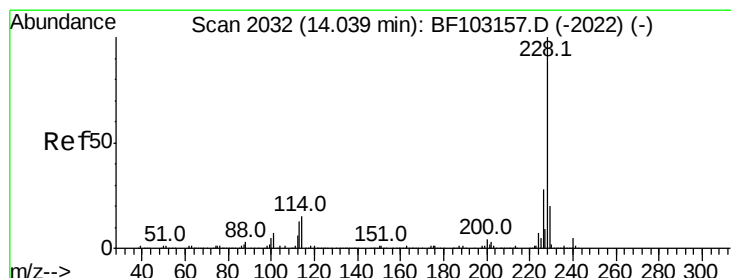
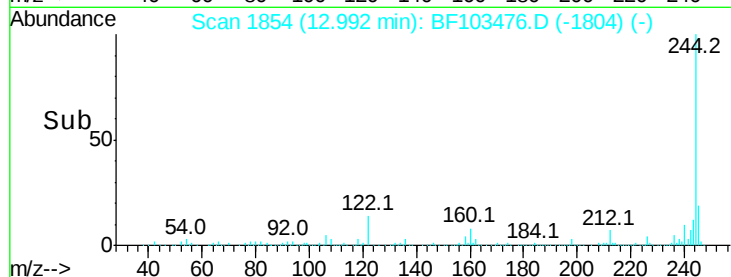
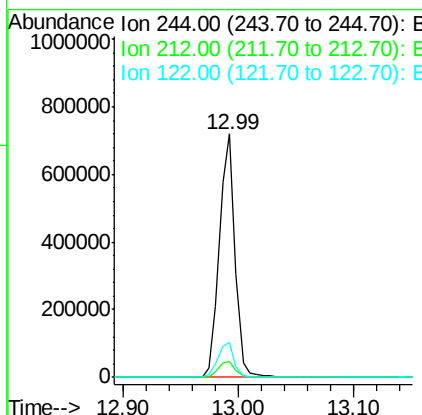
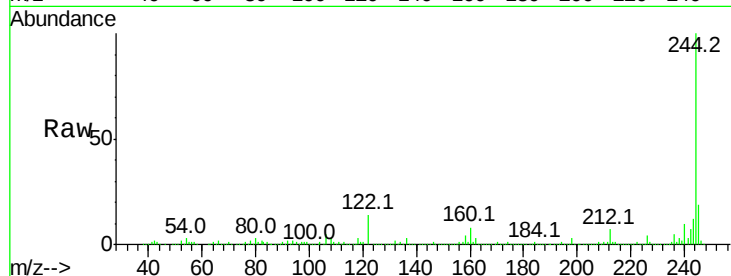




#78
 Terphenyl-d14
 Concen: 76.350 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF103476.D
 Acq: 7 Mar 2018 00:34

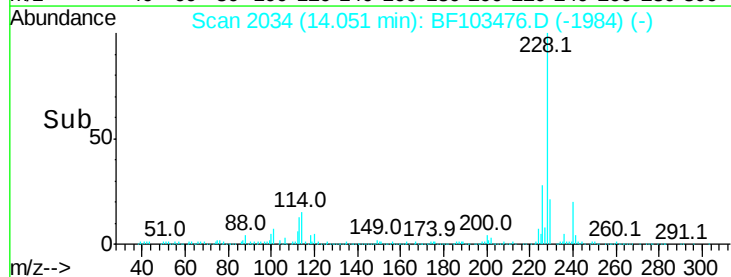
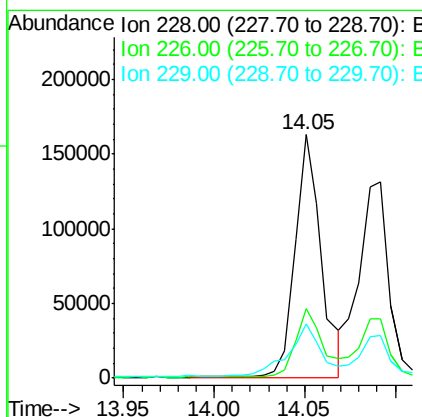
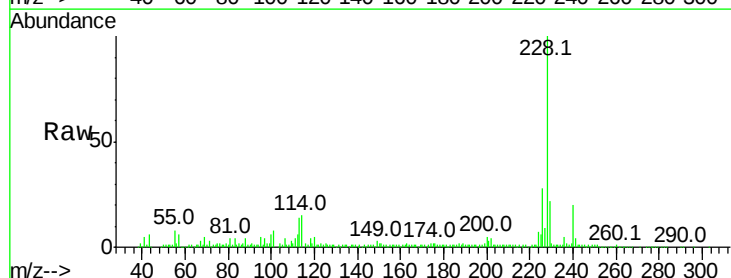
Instrument :
 BNA_F
 ClientSampleId :

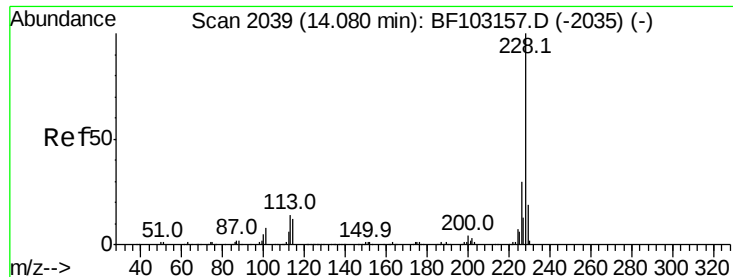
Tot Ion:244 Resp: 678453
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 14.2 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 11.892 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF103476.D
 Acq: 7 Mar 2018 00:34

Tgt Ion:228 Resp: 164825
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.6 33.8
 229 22.1 15.8 23.6

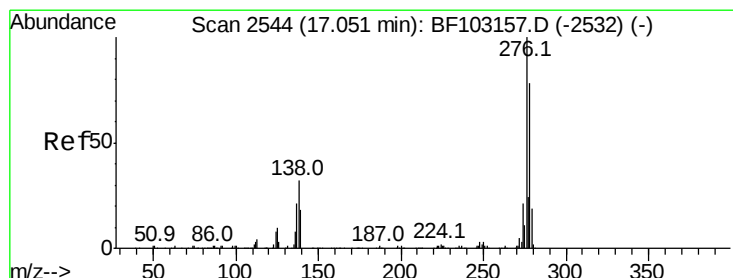
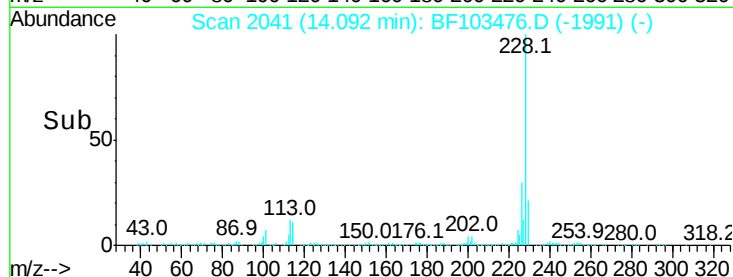
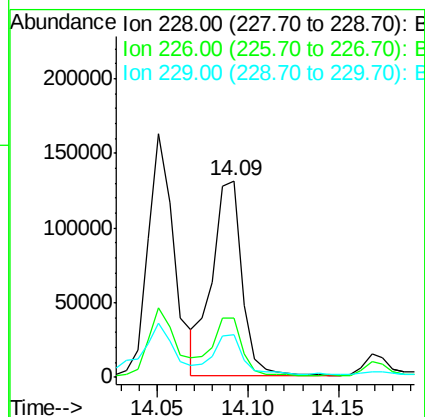
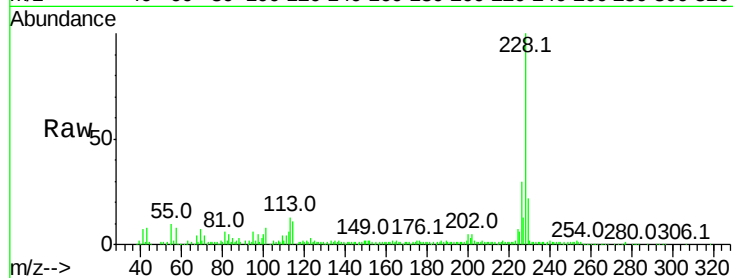




#82
Chrysene
Concen: 11.312 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103476.D
Acq: 7 Mar 2018 00:34

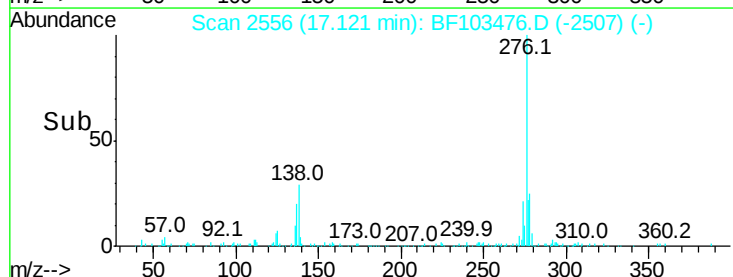
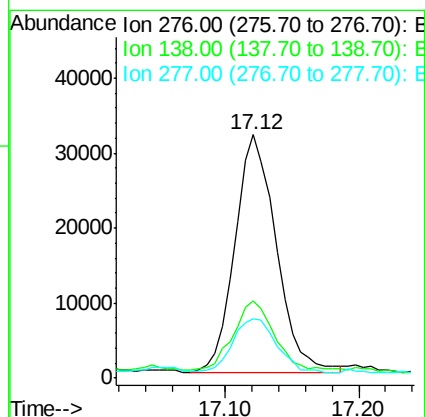
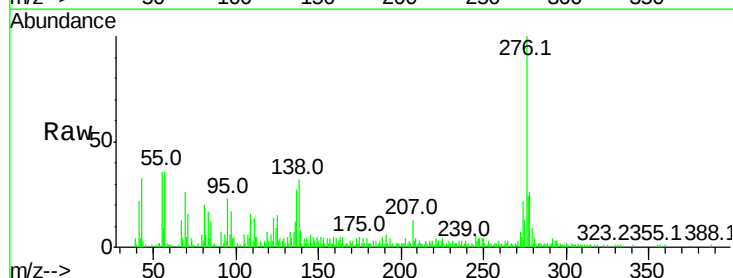
Instrument :
BNA_F
ClientSampleId :

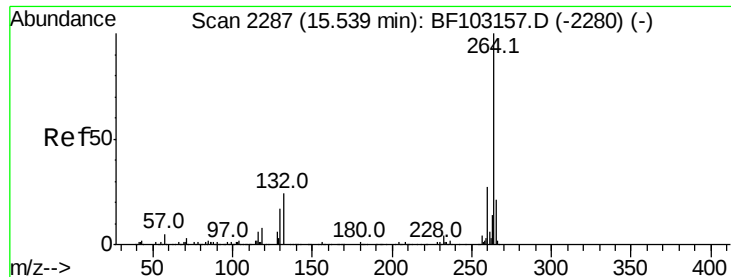
Tot Ion:228 Resp: 152230
Ion Ratio Lower Upper
228 100
226 30.3 25.0 37.6
229 22.0 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 6.408 ng
RT: 17.12 min Scan# 2556
Delta R.T. -0.01 min
Lab File: BF103476.D
Acq: 7 Mar 2018 00:34

Tgt Ion:276 Resp: 68270
Ion Ratio Lower Upper
276 100
138 28.7 25.0 37.6
277 24.0 20.1 30.1

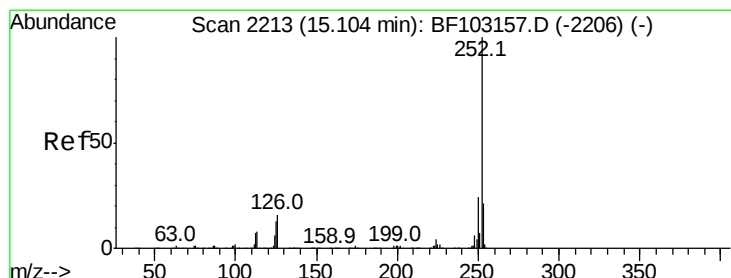
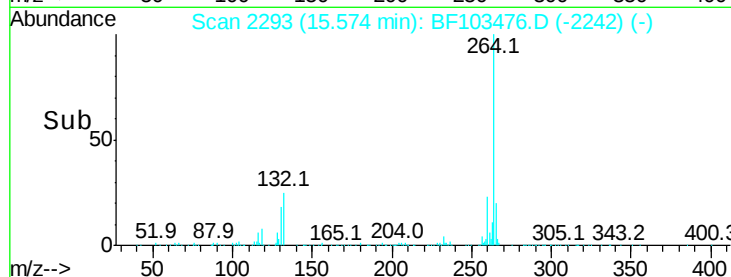
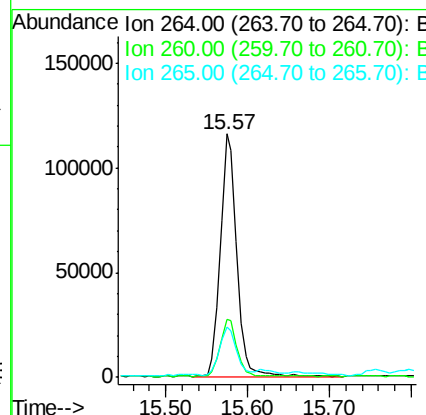
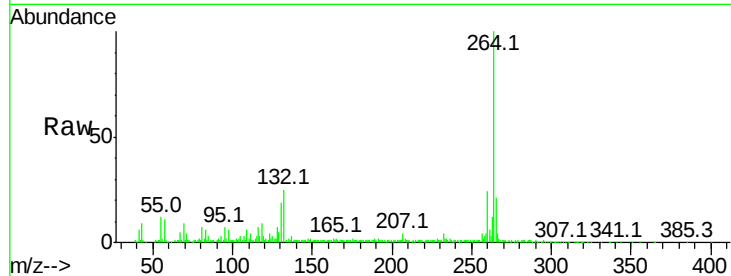




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: BF103476.D
Acq: 7 Mar 2018 00:34

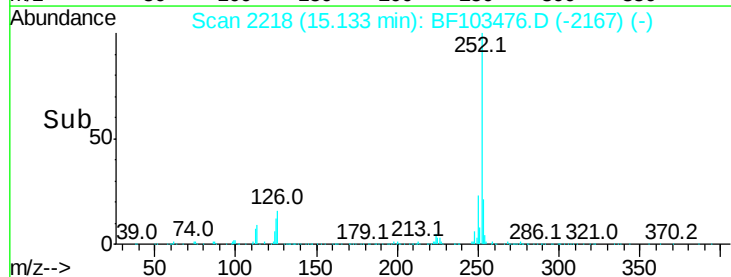
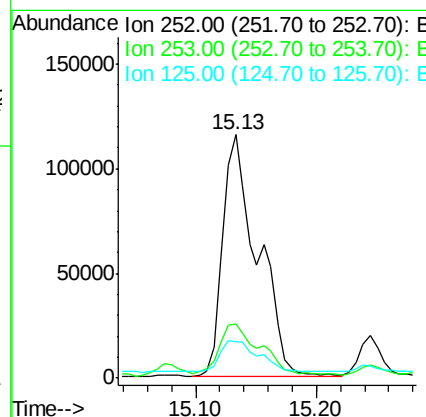
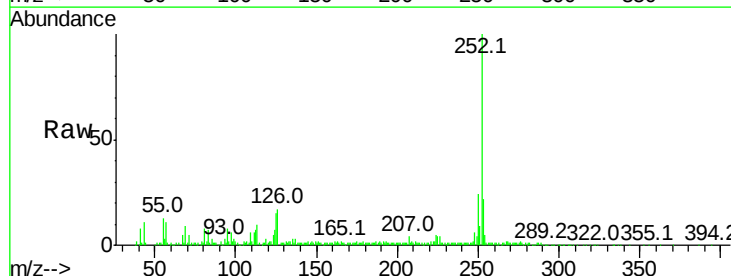
Instrument :
BNA_F
ClientSampleId :

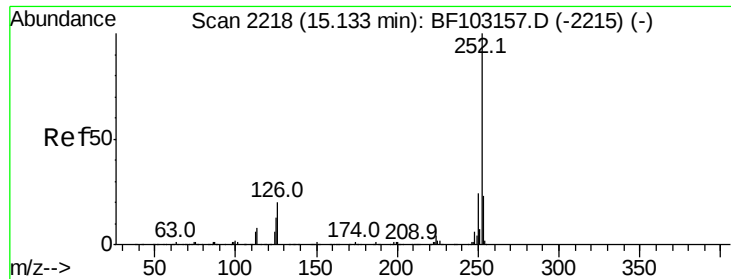
Tot Ion:264 Resp: 161852
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 20.6 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 21.784 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BF103476.D
Acq: 7 Mar 2018 00:34

Tgt Ion:252 Resp: 231819
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 15.0 9.0 13.6#

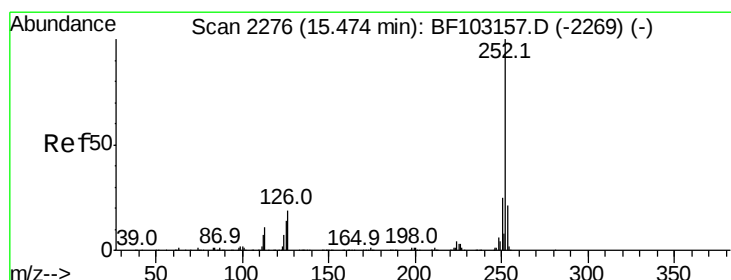
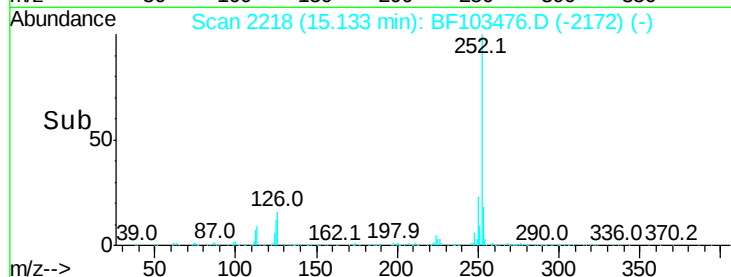
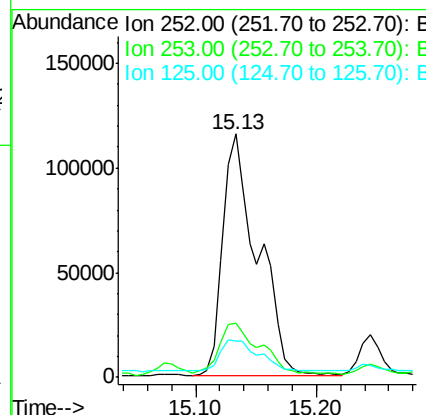
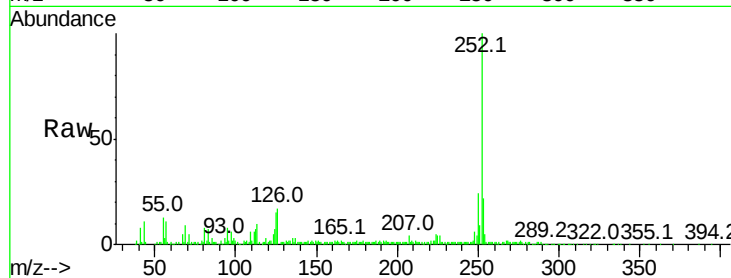




#88
Benzo(k)fluoranthene
Concen: 23.134 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF103476.D
Acq: 7 Mar 2018 00:34

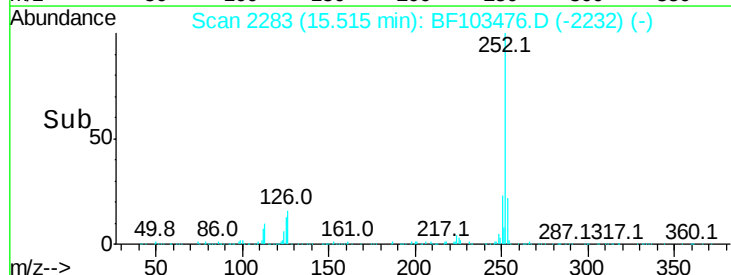
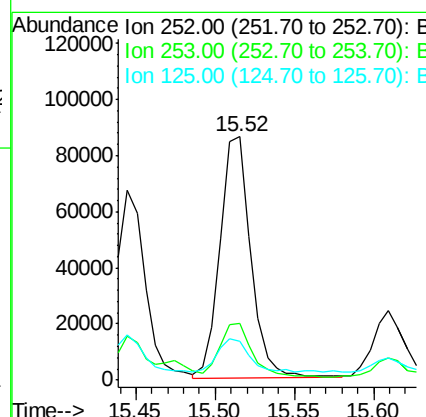
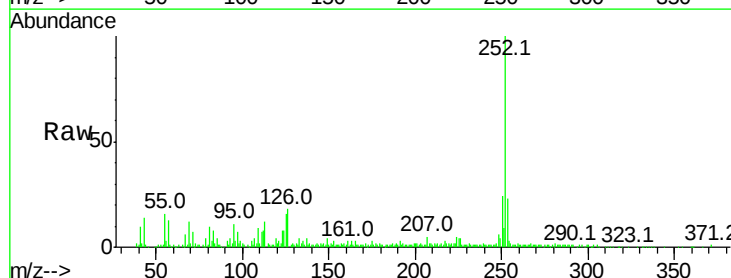
Instrument :
BNA_F
ClientSampleId :

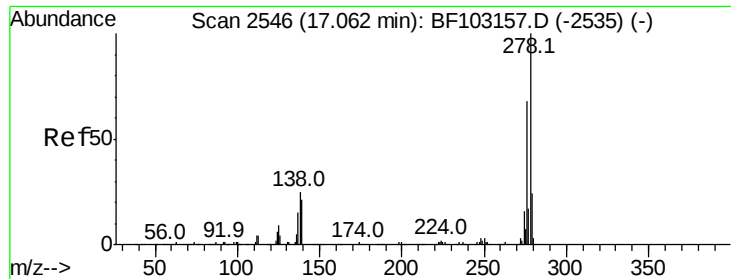
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	15.0	10.2	15.2



#89
Benzo(a)pyrene
Concen: 12.286 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF103476.D
Acq: 7 Mar 2018 00:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	16.1	9.8	14.6



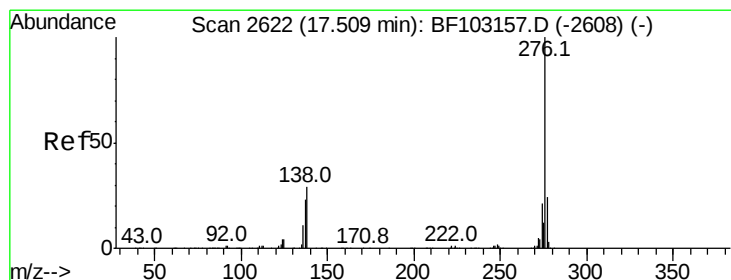
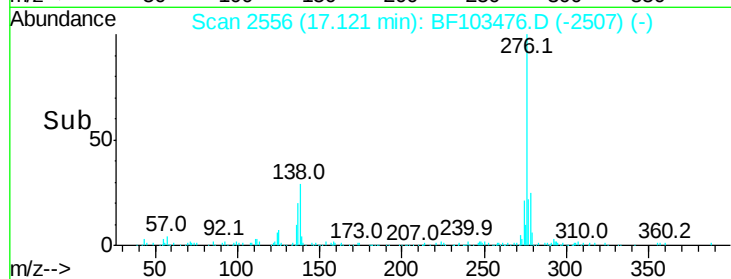
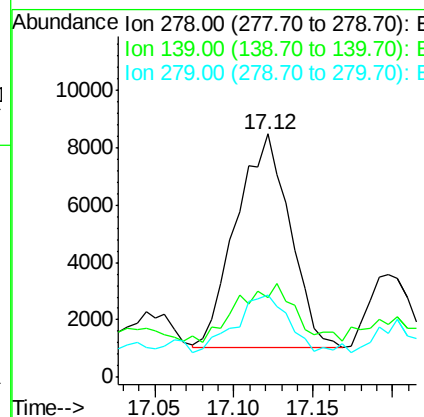
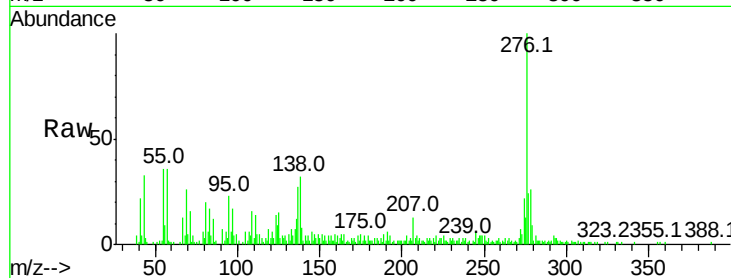


#90
Dibenzo(a,h)anthracene
Concen: 2.386 ng
RT: 17.12 min Scan# 2556
Delta R.T. -0.01 min
Lab File: BF103476.D
Acq: 7 Mar 2018 00:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 17523

Ion	Ratio	Lower	Upper
278	100		
139	32.5	15.9	23.9#
279	33.9	19.0	28.4#



#91
Benzo(g,h,i)perylene
Concen: 9.586 ng
RT: 17.59 min Scan# 2636
Delta R.T. -0.01 min
Lab File: BF103476.D
Acq: 7 Mar 2018 00:34

Tgt Ion:276 Resp: 68793

Ion	Ratio	Lower	Upper
276	100		
277	26.6	17.9	26.9
138	33.0	21.8	32.8#

