

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032318\
 Data File : BF103875.D
 Acq On : 23 Mar 2018 13:01
 Operator : JU/SJ
 Sample : J1998-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 23 14:18:47 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	144293	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	564765	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	236890	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	355722	20.00	ng	0.00
75) Chrysene-d12	14.17	240	288844	20.00	ng	0.00
86) Perylene-d12	15.72	264	274567	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	797822	84.10	ng	0.00
7) Phenol-d6	6.60	99	977597	84.23	ng	0.00
23) Nitrobenzene-d5	7.53	82	562414	69.45	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	194224	95.36	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	859370	57.87	ng	0.00
78) Terphenyl-d14	13.09	244	595985	47.89	ng	0.00

Target Compounds

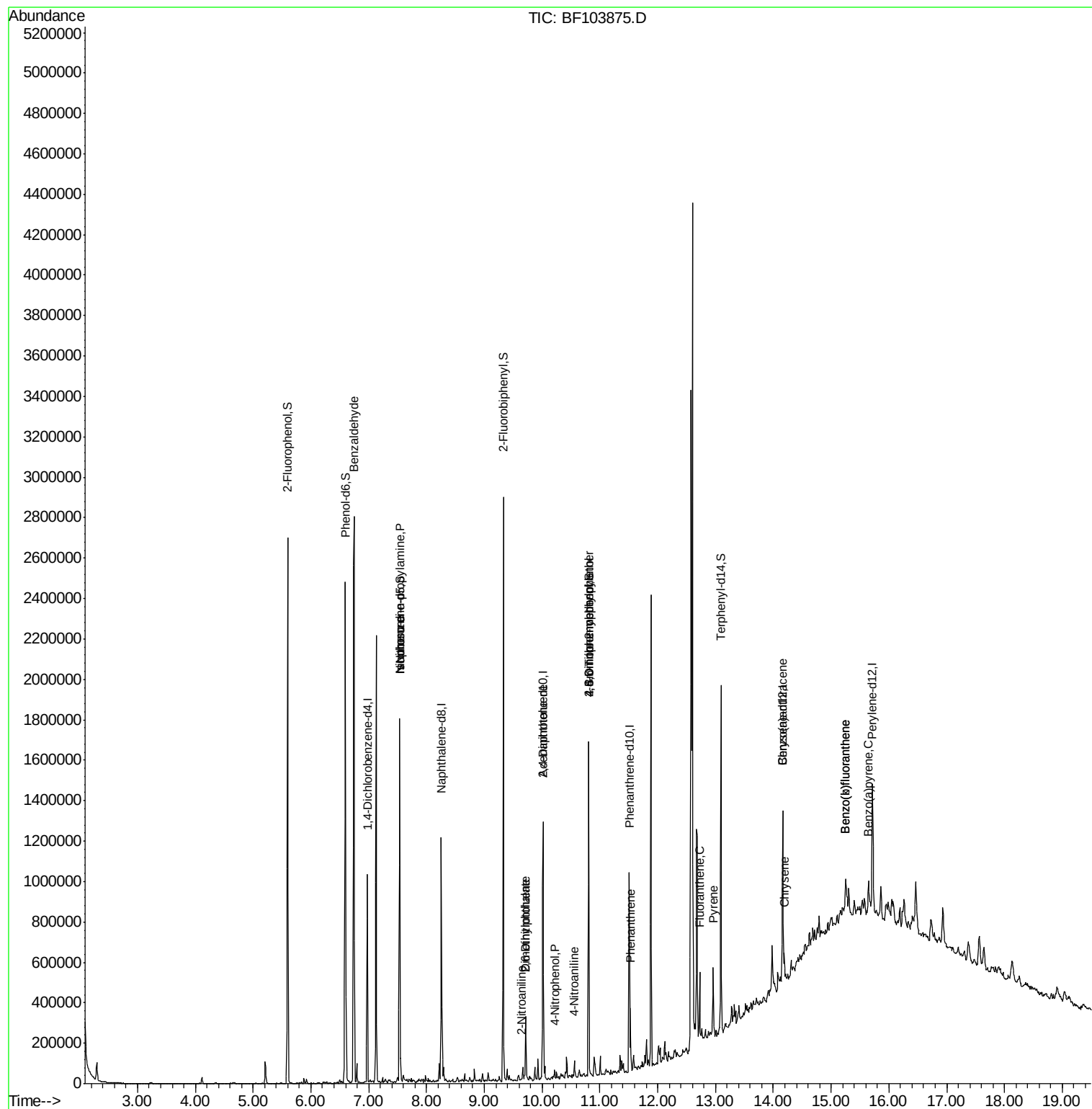
						Qvalue
9) Benzaldehyde	6.75	77	16834	2.208	ng	87
19) n-Nitroso-di-n-propylamine	7.53	70	71879	9.664	ng	# 74
25) Isophorone	7.53	82	562414	29.999	ng	# 64
47) 2-Nitroaniline	9.64	65	149	6.845	ng	# 2
49) Dimethylphthalate	9.72	163	108380	5.997	ng	99
50) 2,6-Dinitrotoluene	9.72	165	1341	4.335	ng	# 14
55) 4-Nitrophenol	10.22	139	4461	6.234	ng	# 18
56) 2,4-Dinitrotoluene	10.02	165	31683	12.441	ng	# 23
61) 4-Nitroaniline	10.56	138	149	3.783	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.80	198	271	8.344	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	11997	3.285	ng	# 1
70) Phenanthrene	11.53	178	109087	5.606	ng	98
74) Fluoranthene	12.73	202	118514	5.912	ng	97
77) Pyrene	12.96	202	124834	5.885	ng	97
80) Benzo(a)anthracene	14.16	228	54400	2.975	ng	# 88
82) Chrysene	14.19	228	58082	3.332	ng	96
87) Benzo(b)fluoranthene	15.25	252	75379	4.345	ng	# 67
88) Benzo(k)fluoranthene	15.25	252	75379	4.521	ng	# 70
89) Benzo(a)pyrene	15.64	252	46732	2.970	ng	# 75

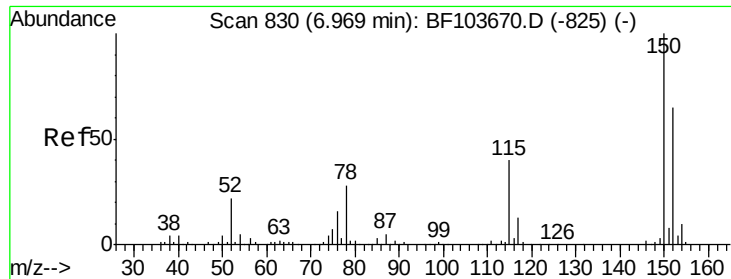
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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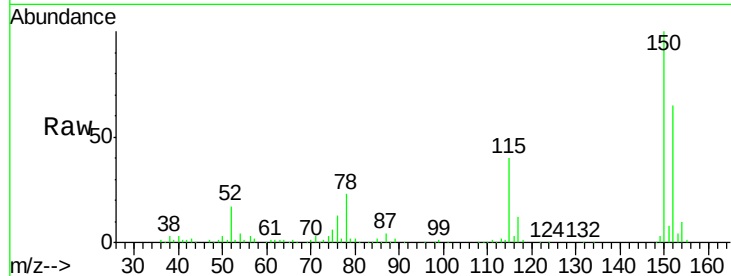


#1

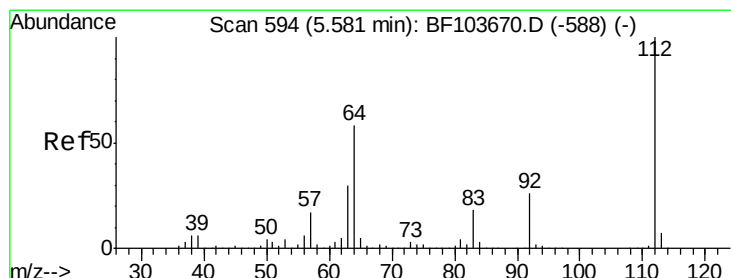
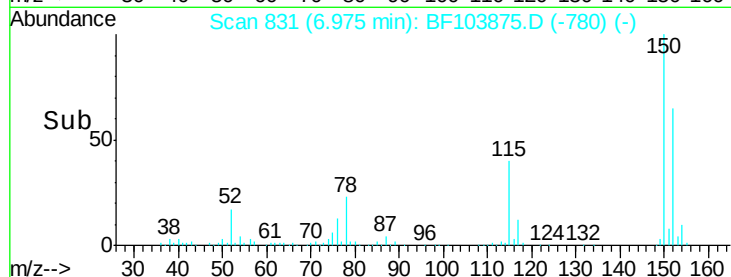
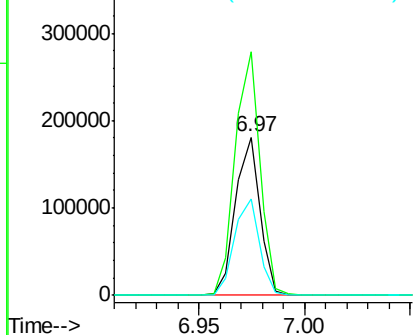
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103875.D
Acq: 23 Mar 2018 13:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 144293
Ion Ratio Lower Upper
152 100
150 153.7 124.6 186.8
115 61.0 50.1 75.1



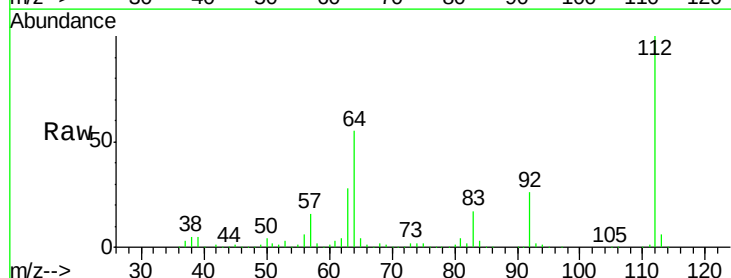
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



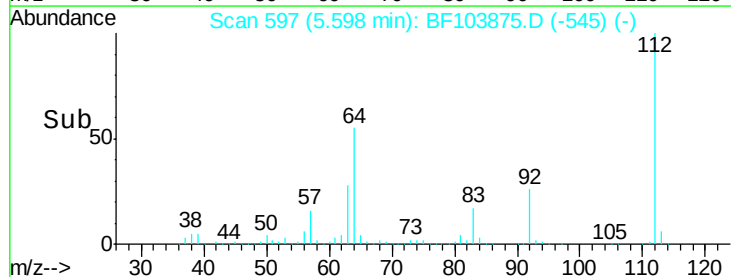
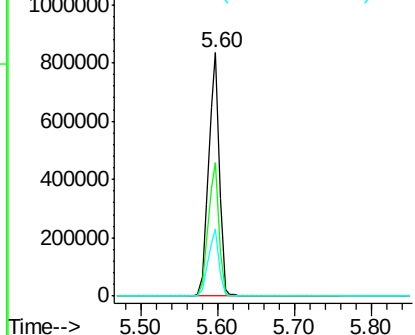
#5

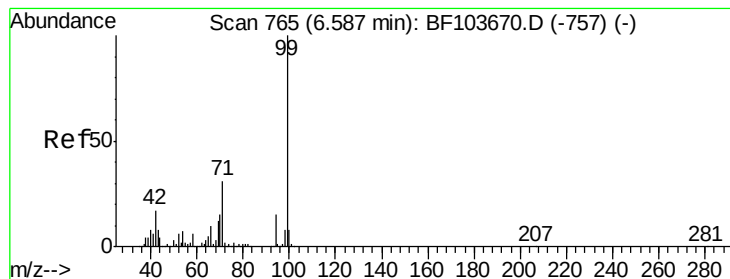
2-Fluorophenol
Concen: 84.099 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF103875.D
Acq: 23 Mar 2018 13:01

Tgt Ion:112 Resp: 797822
Ion Ratio Lower Upper
112 100
64 54.9 47.9 71.9
63 27.6 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: 84.229 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF103875.D

Acq: 23 Mar 2018 13:01

Instrument :

BNA_F

ClientSampleId :

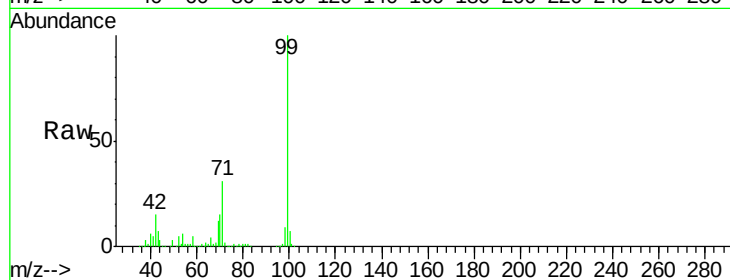
Tot Ion: 99 Resp: 977597

Ion Ratio Lower Upper

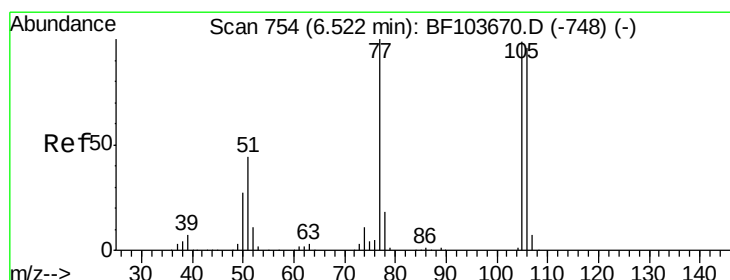
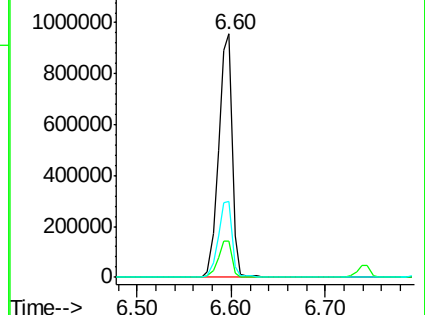
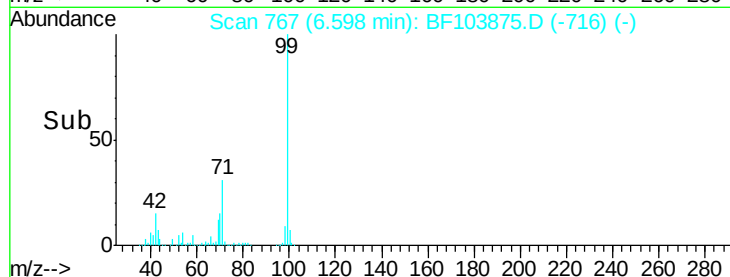
99 100

42 14.7 14.5 21.7

71 31.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.208 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.22 min

Lab File: BF103875.D

Acq: 23 Mar 2018 13:01

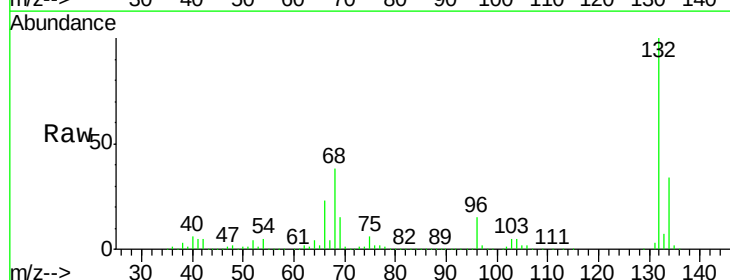
Tgt Ion: 77 Resp: 16834

Ion Ratio Lower Upper

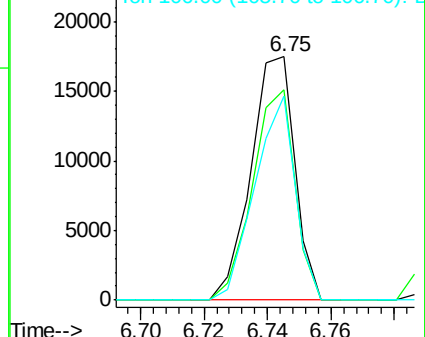
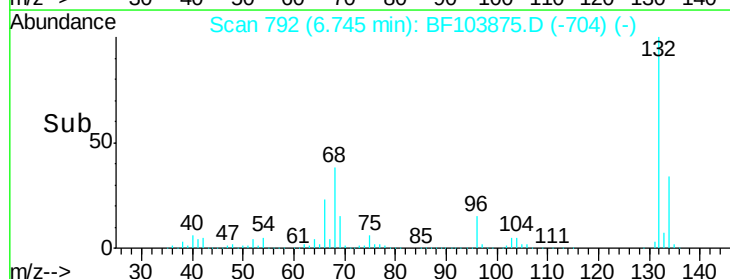
77 100

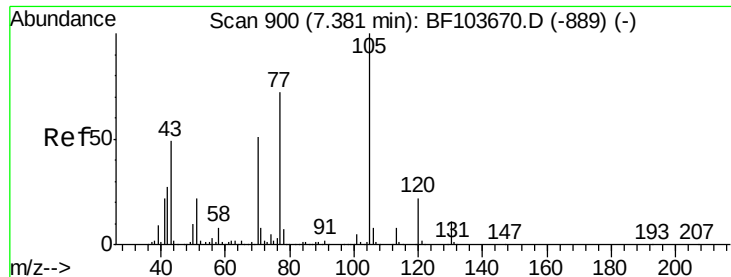
105 86.4 81.1 121.1

106 83.8 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

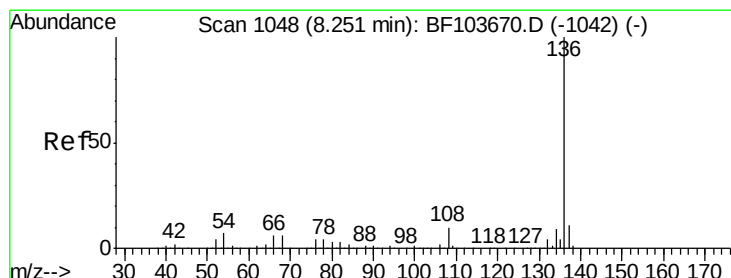
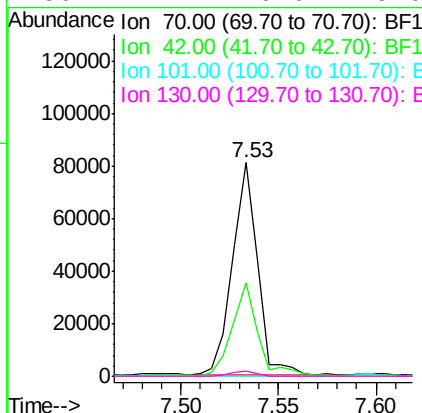
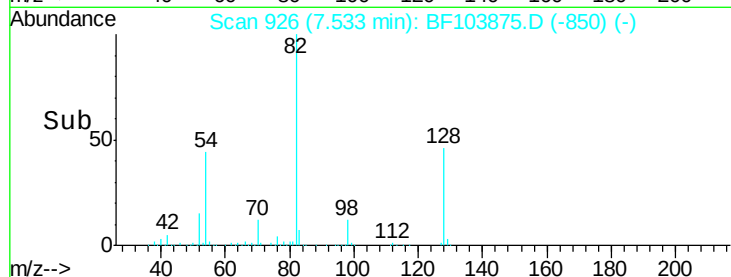
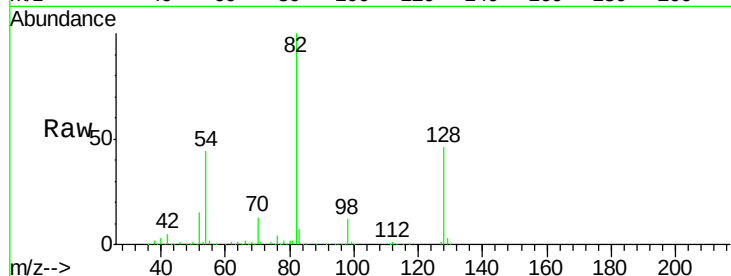




#19
n-Nitroso-di-n-propylamine
Concen: 9.664 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.15 min
Lab File: BF103875.D
Acq: 23 Mar 2018 13:01

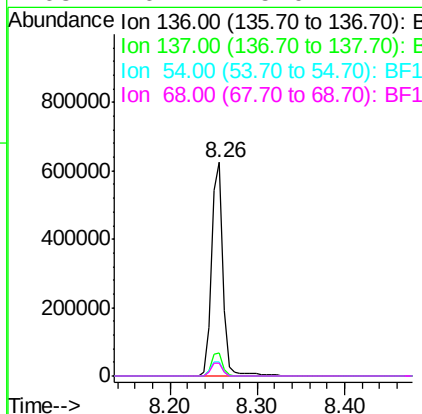
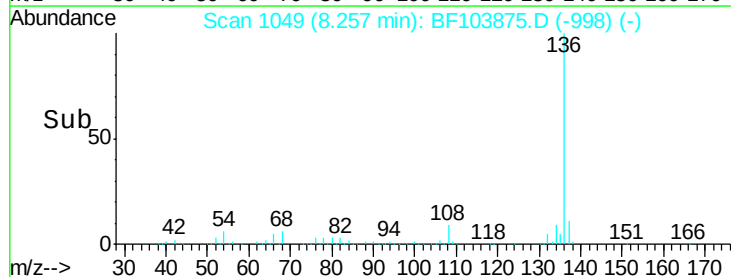
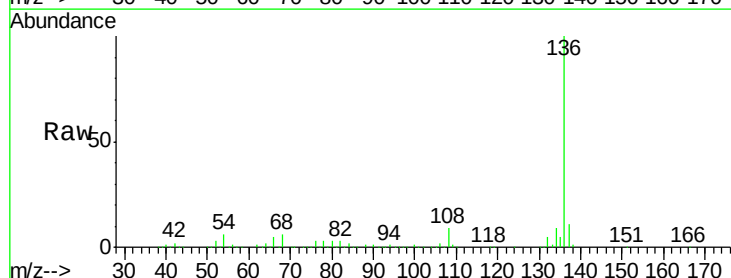
Instrument :
BNA_F
ClientSampleId :

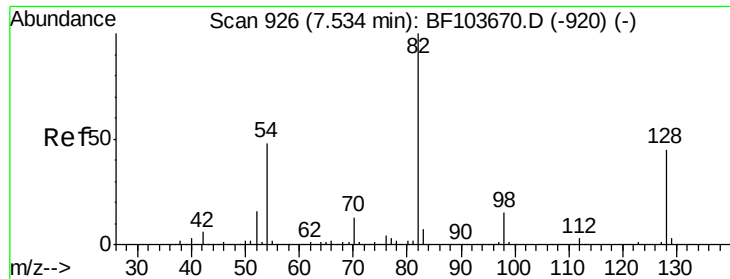
Tot Ion: 70 Resp: 71879
Ion Ratio Lower Upper
70 100
42 43.8 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.00 min
Lab File: BF103875.D
Acq: 23 Mar 2018 13:01

Tgt Ion: 136 Resp: 564765
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 6.4 6.6 9.8#
68 6.2 5.0 7.4

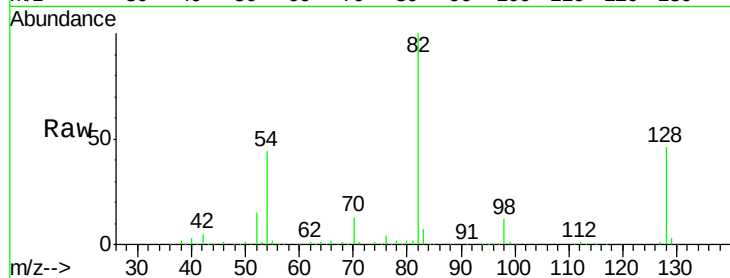




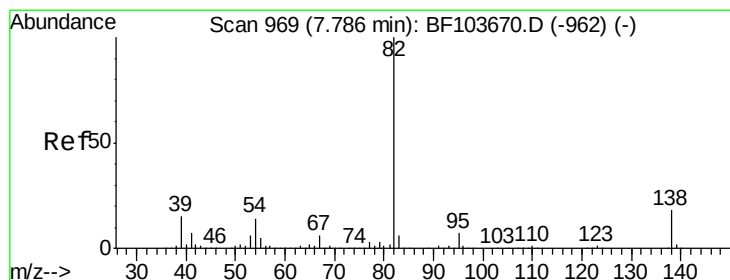
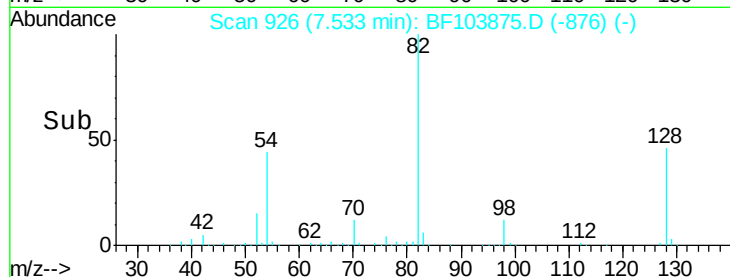
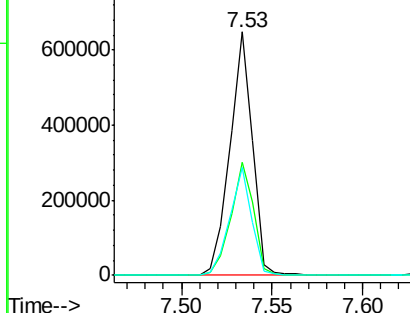
#23
Nitrobenzene-d5
Concen: 69.446 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF103875.D
Acq: 23 Mar 2018 13:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	562414
Ion Ratio	100	Lower	Upper
128	46.2	36.1	54.1
54	44.3	41.4	62.2

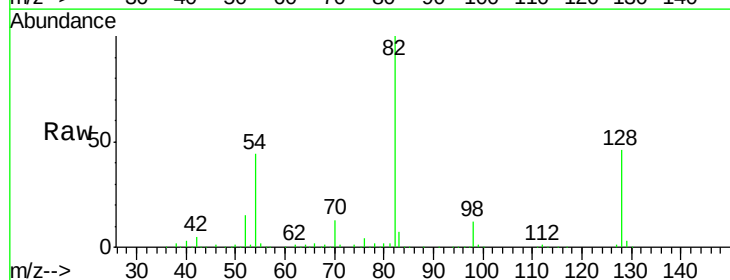


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

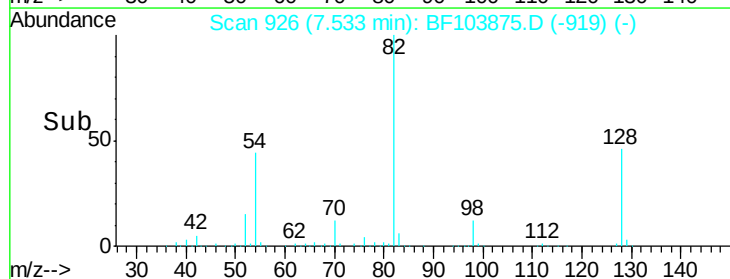
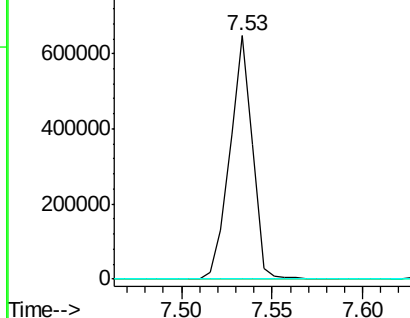


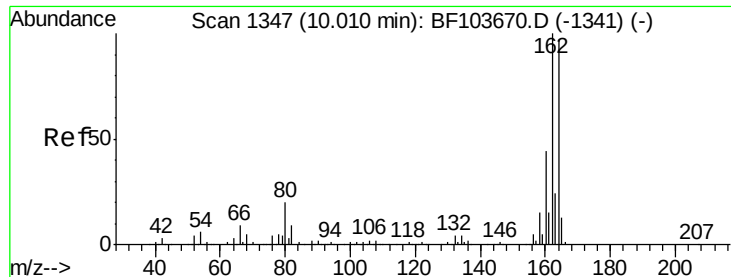
#25
Isophorone
Concen: 29.999 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.26 min
Lab File: BF103875.D
Acq: 23 Mar 2018 13:01

Tgt Ion	82	Resp	562414
Ion Ratio	100	Lower	Upper
95	0.1	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

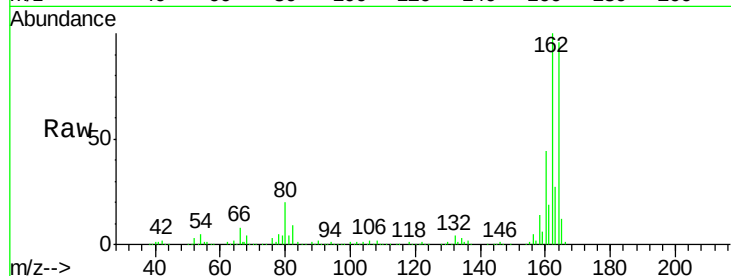




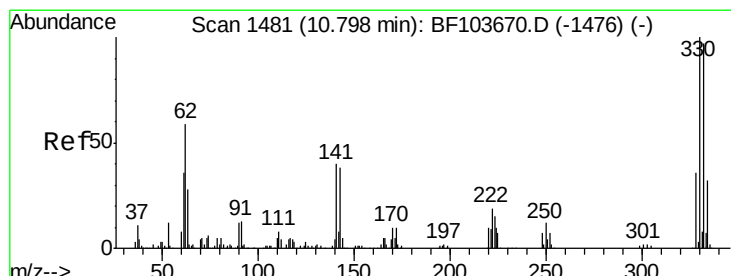
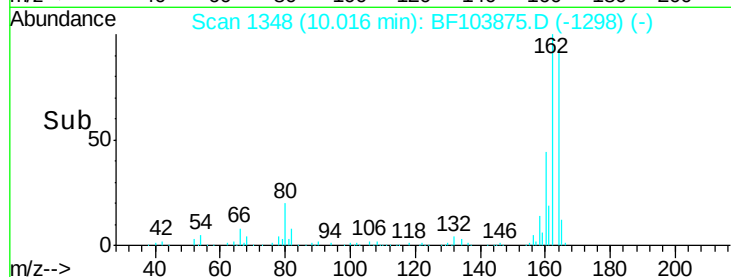
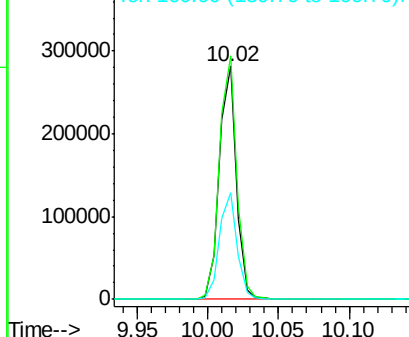
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF103875.D
Acq: 23 Mar 2018 13:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 236890
Ion Ratio Lower Upper
164 100
162 104.4 86.1 129.1
160 45.8 38.3 57.5

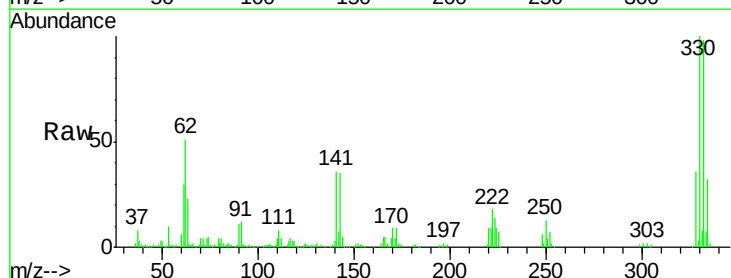


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

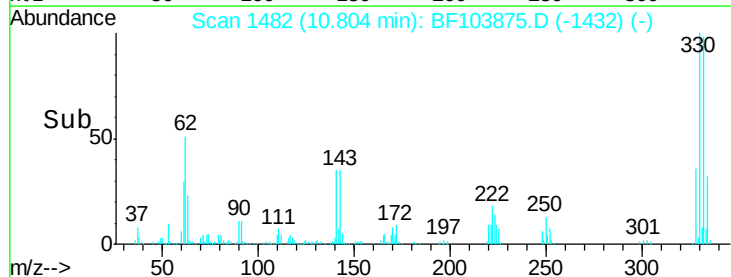
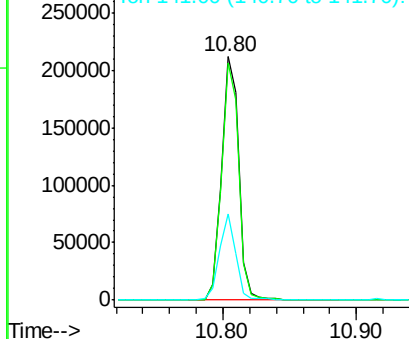


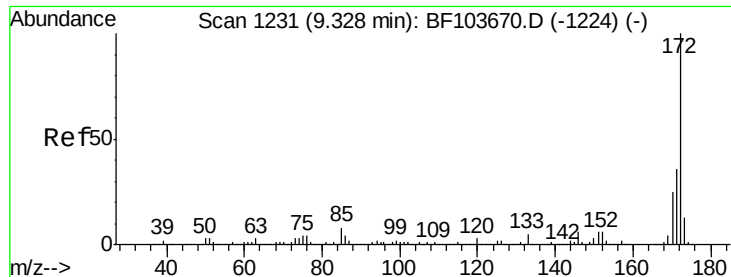
#41
2,4,6-Tribromophenol
Concen: 95.358 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF103875.D
Acq: 23 Mar 2018 13:01

Tgt Ion:330 Resp: 194224
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.6
141 34.0 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

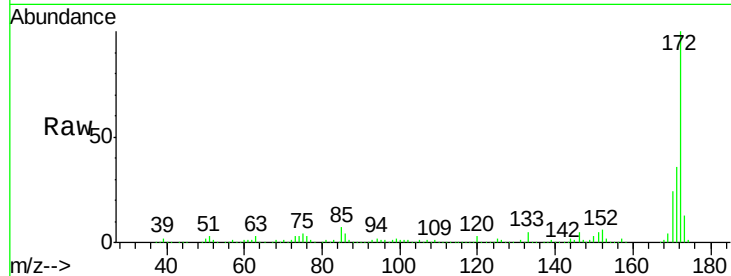




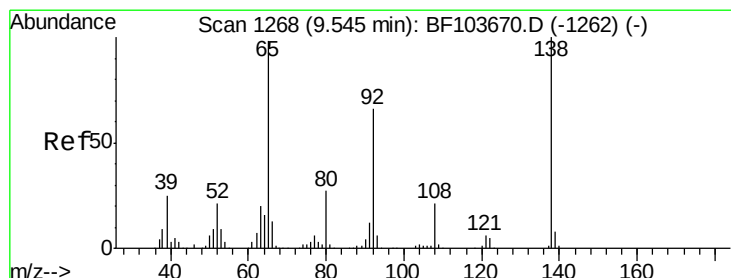
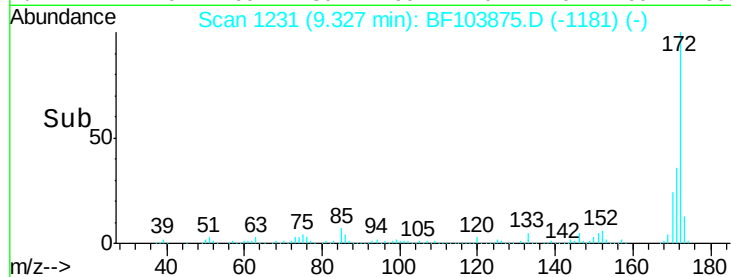
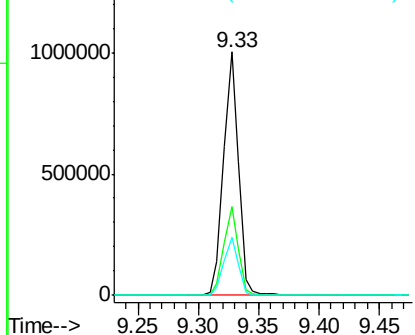
#44
2-Fluorobiphenyl
Concen: 57.868 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF103875.D
Acq: 23 Mar 2018 13:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 859370
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 23.9 19.6 29.4

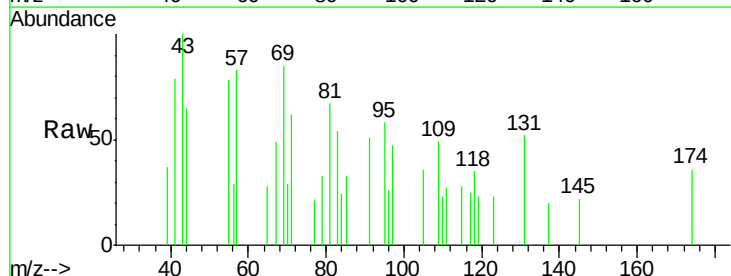


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

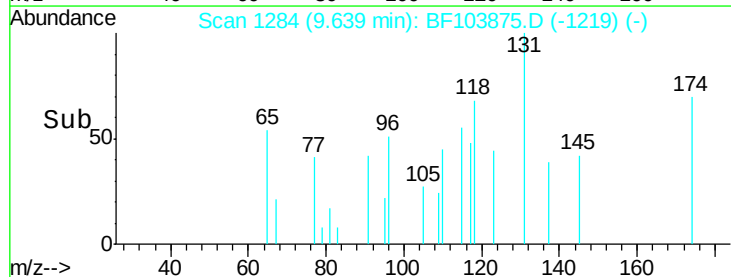
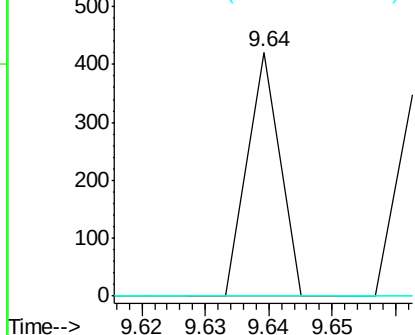


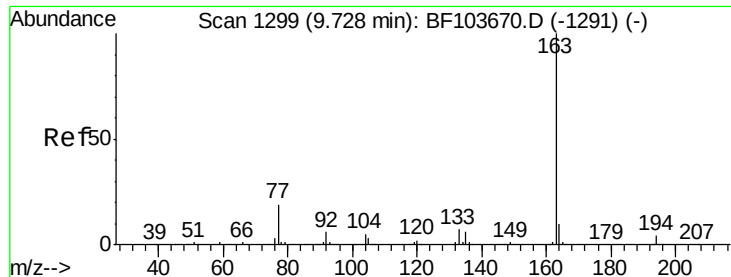
#47
2-Nitroaniline
Concen: 6.845 ng
RT: 9.64 min Scan# 1284
Delta R.T. 0.08 min
Lab File: BF103875.D
Acq: 23 Mar 2018 13:01

Tgt Ion: 65 Resp: 149
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E

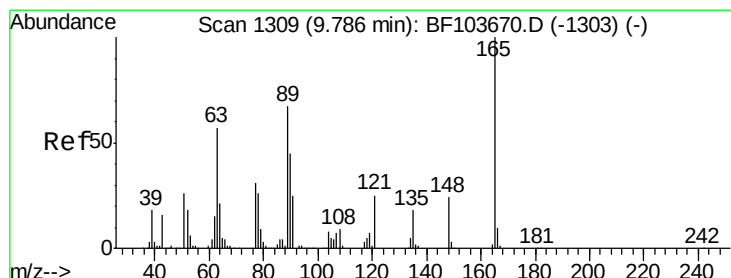
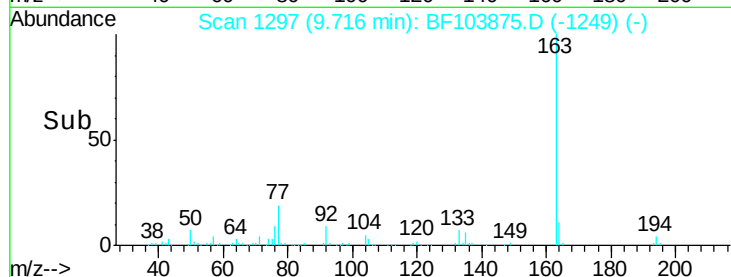
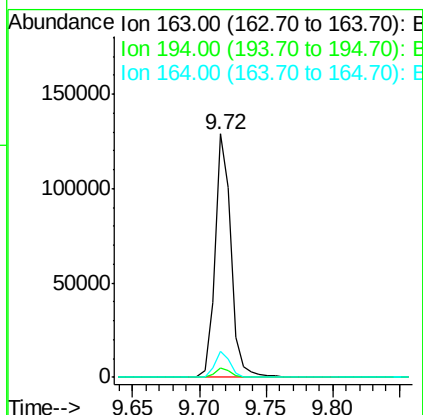
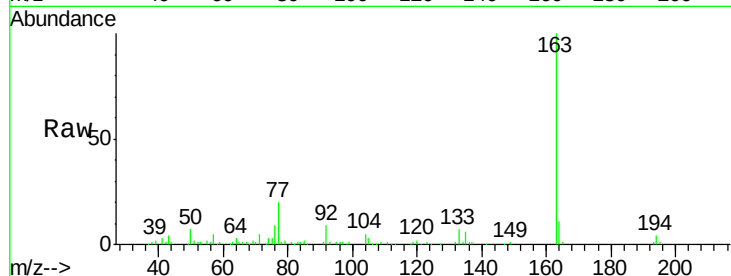




#49
Dimethylphthalate
Concen: 5.997 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF103875.D
Acq: 23 Mar 2018 13:01

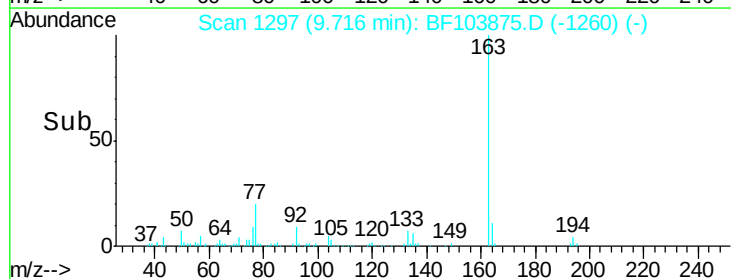
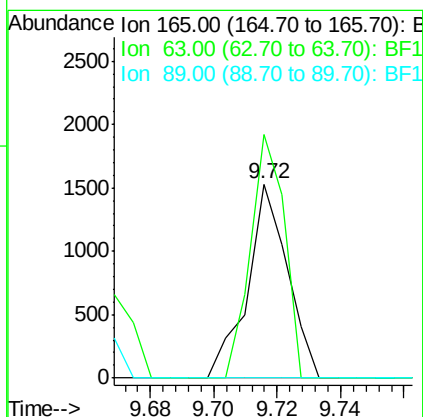
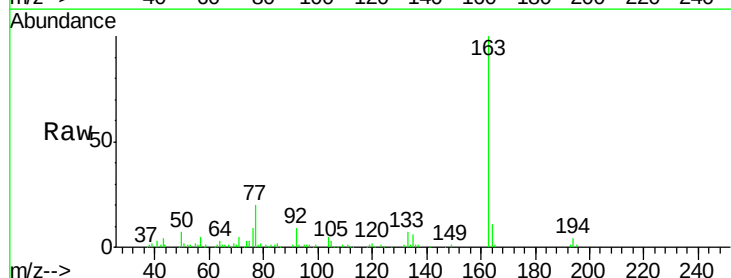
Instrument :
BNA_F
ClientSampleId :

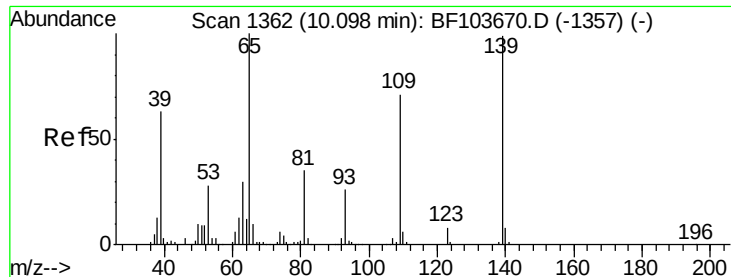
Tot Ion:163 Resp: 108380
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.6 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 4.335 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.08 min
Lab File: BF103875.D
Acq: 23 Mar 2018 13:01

Tgt Ion:165 Resp: 1341
Ion Ratio Lower Upper
165 100
63 125.6 44.7 67.1#
89 0.0 44.0 66.0#

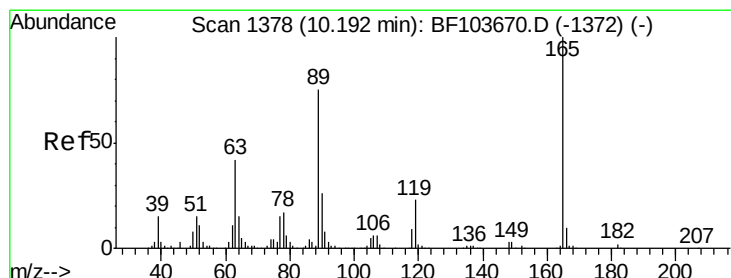
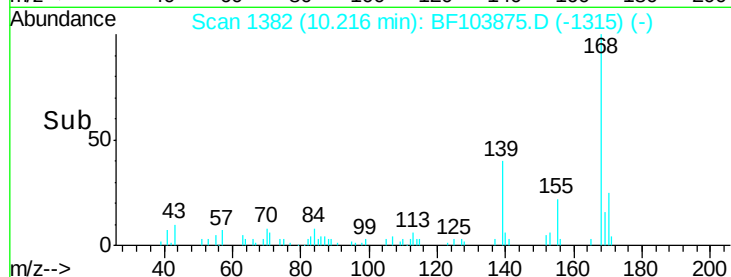
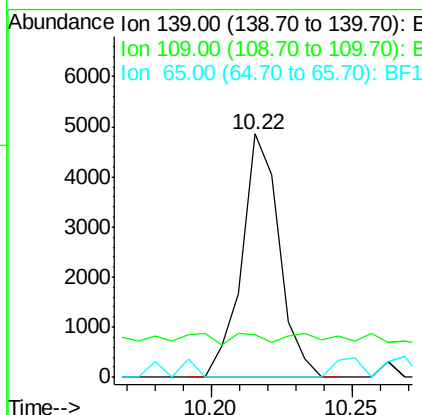
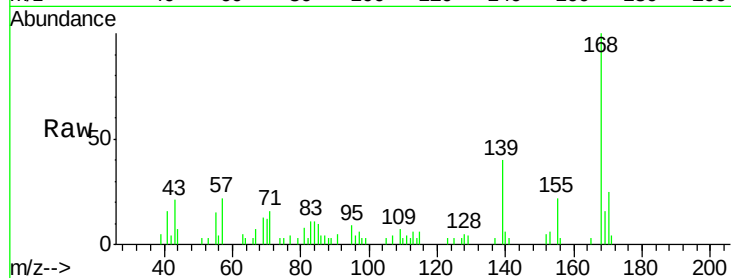




#55
4-Nitrophenol
Concen: 6.234 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.09 min
Lab File: BF103875.D
Acq: 23 Mar 2018 13:01

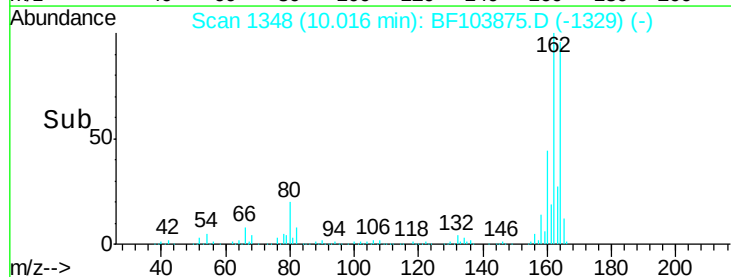
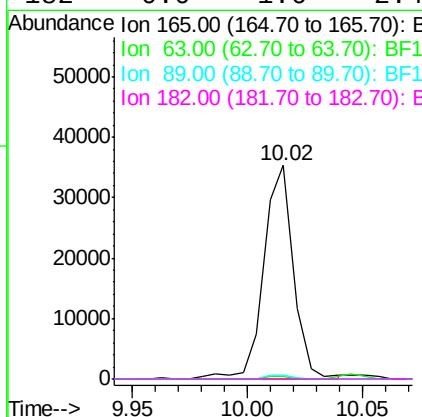
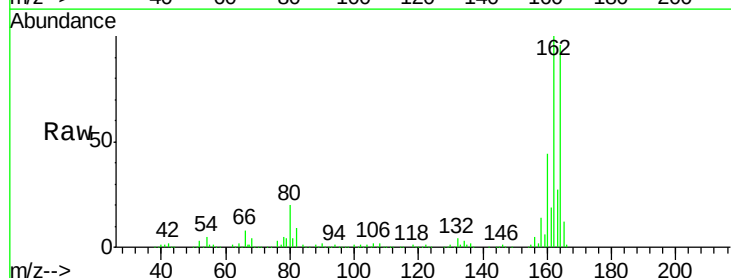
Instrument :
BNA_F
ClientSampleId :

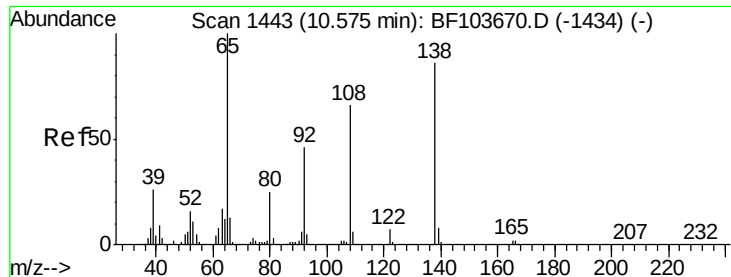
Tot Ion:139 Resp: 4461
Ion Ratio Lower Upper
139 100
109 17.5 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 12.441 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.19 min
Lab File: BF103875.D
Acq: 23 Mar 2018 13:01

Tgt Ion:165 Resp: 31683
Ion Ratio Lower Upper
165 100
63 1.4 36.4 54.6#
89 1.6 57.8 86.6#
182 0.0 1.6 2.4#

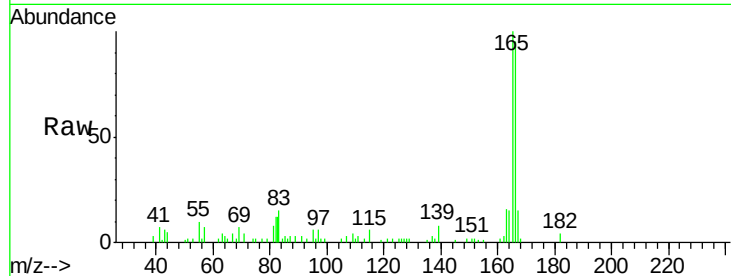




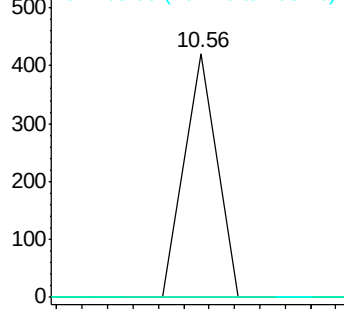
#61
4-Nitroaniline
Concen: 3.783 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.02 min
Lab File: BF103875.D
Acq: 23 Mar 2018 13:01

Instrument :
BNA_F
ClientSampled :

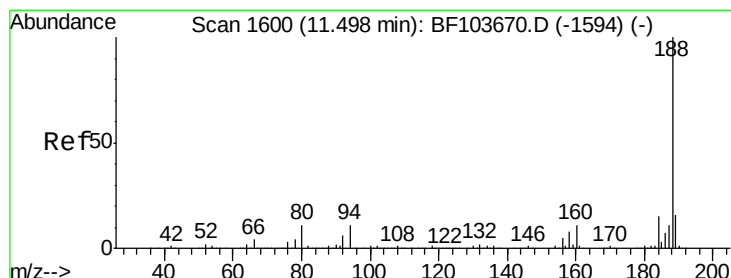
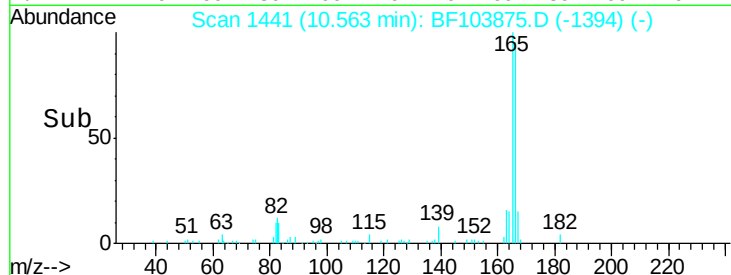
Tot Ion:138 Resp: 149
Ion Ratio Lower Upper
138 100
92 0.0 30.2 70.2#
108 0.0 52.5 92.5#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E

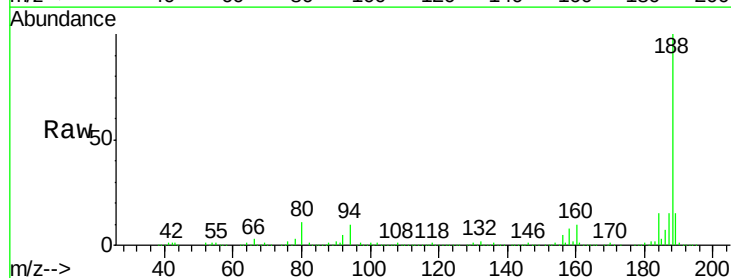


Time--> 10.54 10.56 10.58

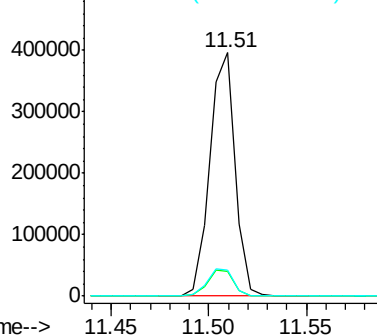


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.00 min
Lab File: BF103875.D
Acq: 23 Mar 2018 13:01

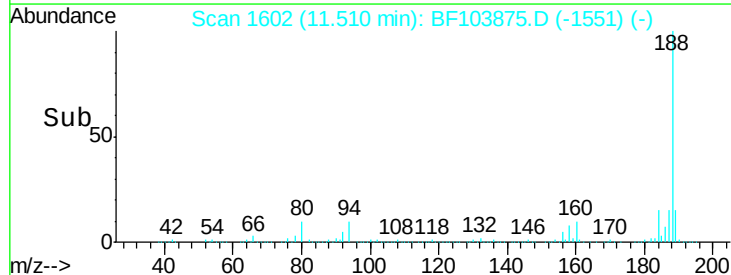
Tgt Ion:188 Resp: 355722
Ion Ratio Lower Upper
188 100
94 9.9 8.5 12.7
80 10.5 9.2 13.8

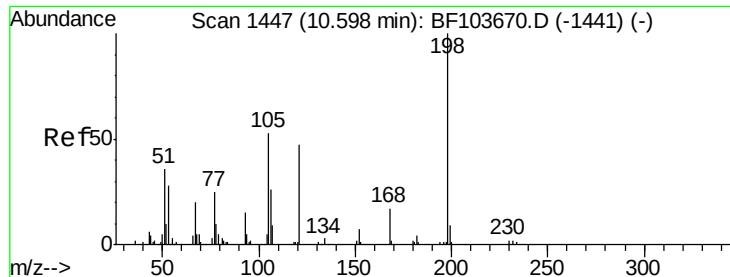


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1



Time--> 11.45 11.50 11.55

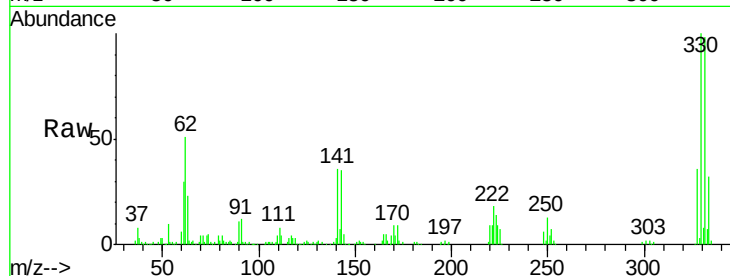




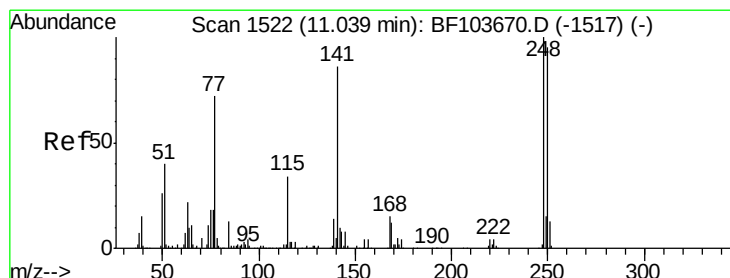
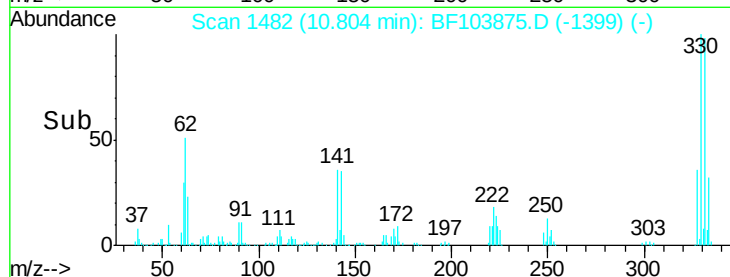
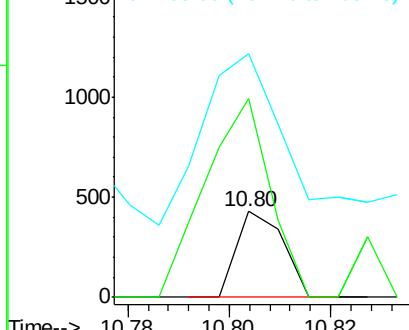
#64
4,6-Dinitro-2-methylphenol
Concen: 8.344 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.19 min
Lab File: BF103875.D
Acq: 23 Mar 2018 13:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 271
Ion Ratio Lower Upper
198 100
51 231.9 37.7 77.7#
105 283.4 36.3 76.3#

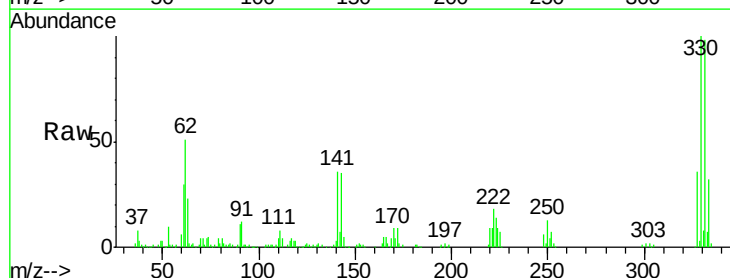


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

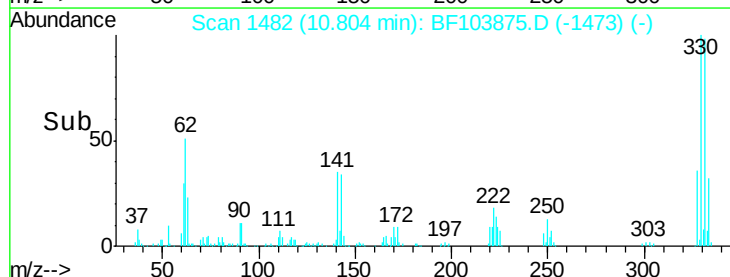
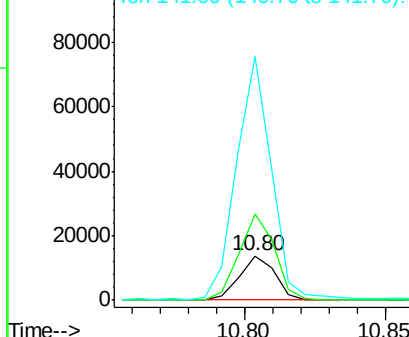


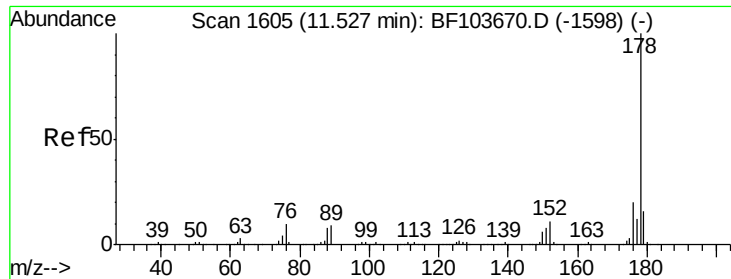
#66
4-Bromophenyl-phenylether
Concen: 3.285 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.25 min
Lab File: BF103875.D
Acq: 23 Mar 2018 13:01

Tgt Ion:248 Resp: 11997
Ion Ratio Lower Upper
248 100
250 195.4 76.9 115.3#
141 554.3 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

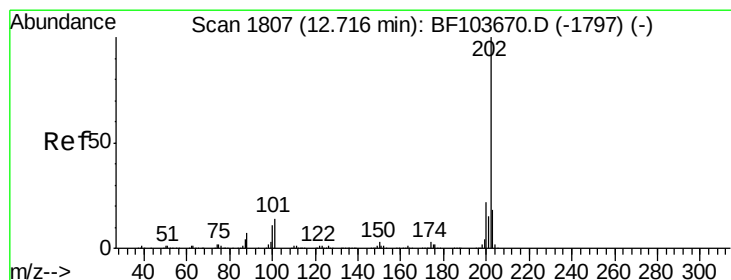
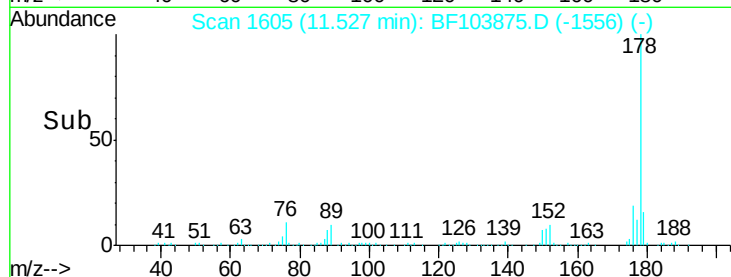
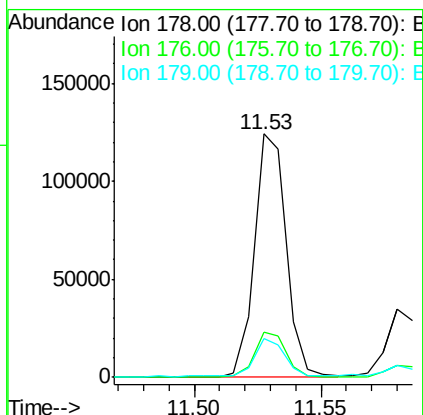
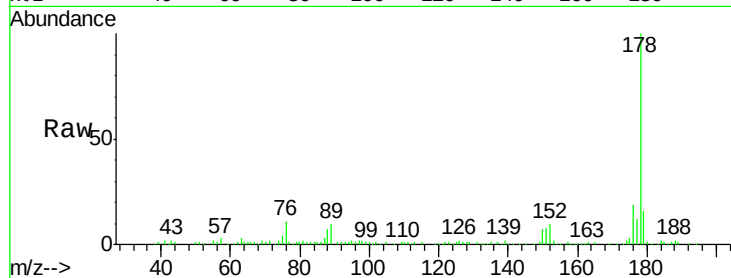




#70
Phenanthrene
Concen: 5.606 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.01 min
Lab File: BF103875.D
Acq: 23 Mar 2018 13:01

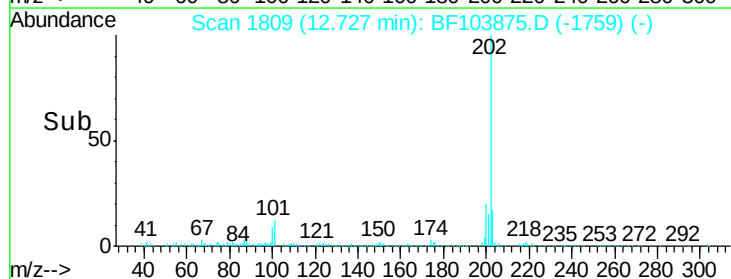
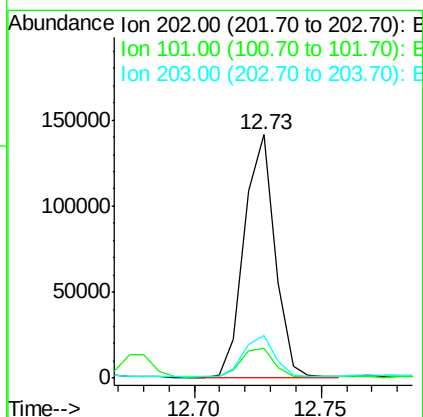
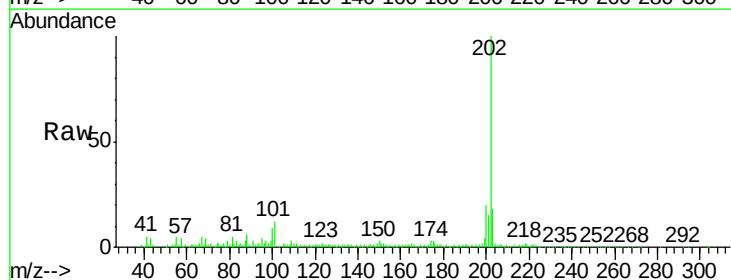
Instrument :
BNA_F
ClientSampleId :

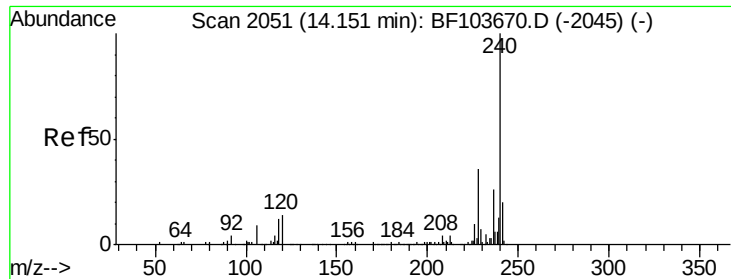
Tot Ion:178 Resp: 109087
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 15.7 13.0 19.6



#74
Fluoranthene
Concen: 5.912 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF103875.D
Acq: 23 Mar 2018 13:01

Tgt Ion:202 Resp: 118514
Ion Ratio Lower Upper
202 100
101 12.1 0.0 34.1
203 17.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2054

Delta R.T. -0.00 min

Lab File: BF103875.D

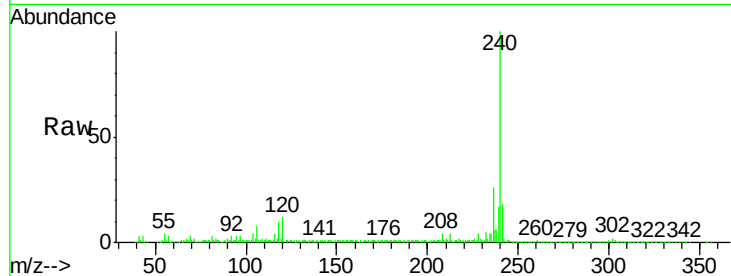
Acq: 23 Mar 2018 13:01

Instrument :

BNA_F

ClientSampleId :

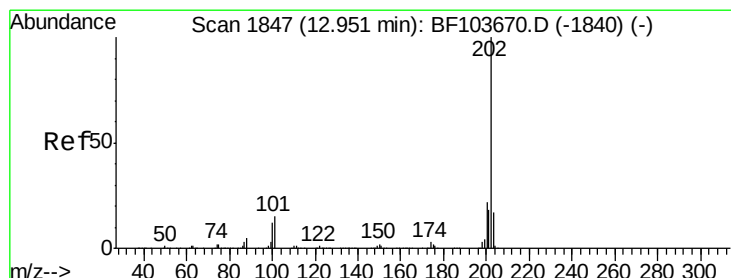
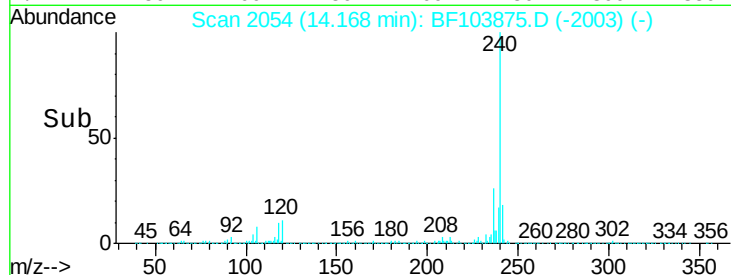
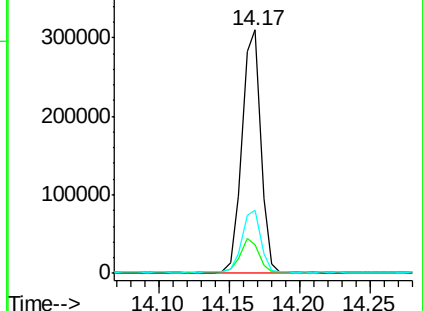
Tot Ion:240	Resp:	288844
Ion Ratio	Lower	Upper
240	100	
120	11.8	9.5 14.3
236	25.8	20.7 31.1



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

Pyrene

Concen: 5.885 ng

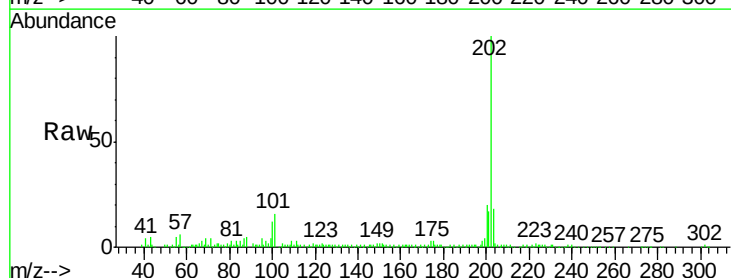
RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF103875.D

Acq: 23 Mar 2018 13:01

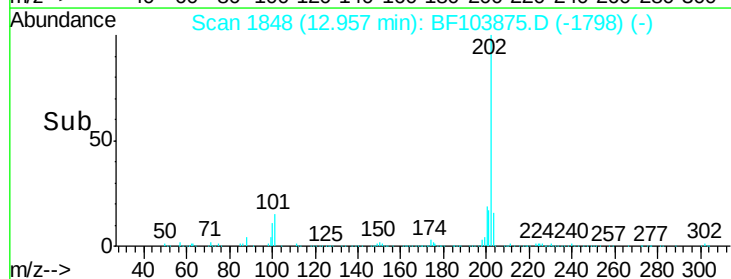
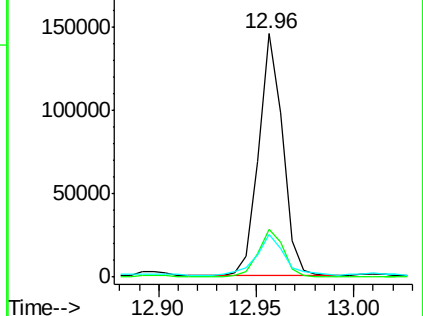
Tgt Ion:202	Resp:	124834
Ion Ratio	Lower	Upper
202	100	
200	19.7	17.4 26.2
203	17.5	14.3 21.5

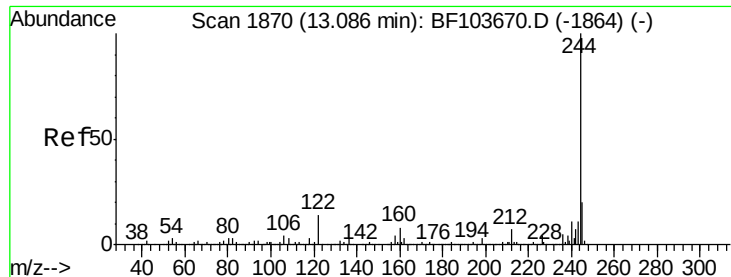


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 47.893 ng

RT: 13.09 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BF103875.D

Acq: 23 Mar 2018 13:01

Instrument :

BNA_F

ClientSampleId :

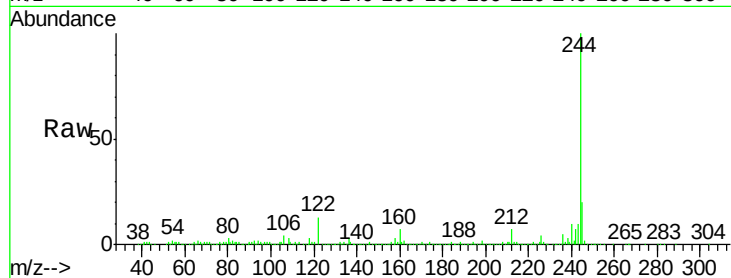
Tot Ion:244 Resp: 595985

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

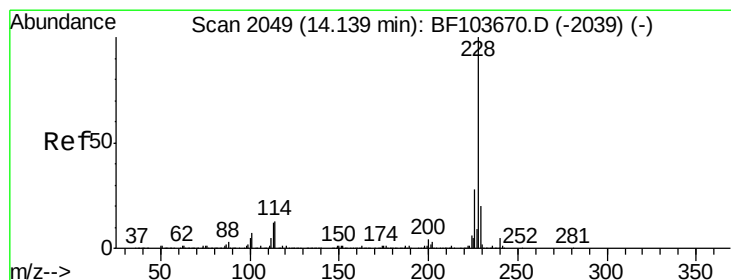
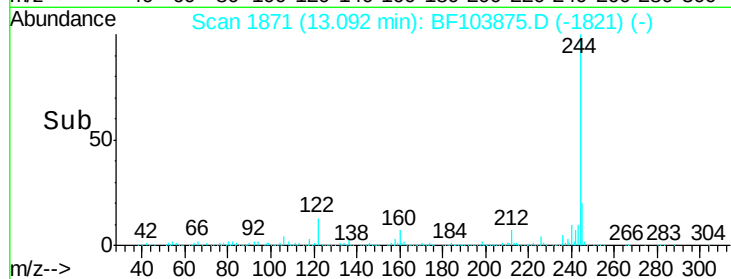
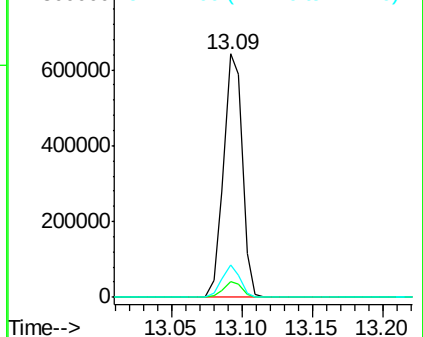
122 13.3 11.0 16.4



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: 2.975 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BF103875.D

Acq: 23 Mar 2018 13:01

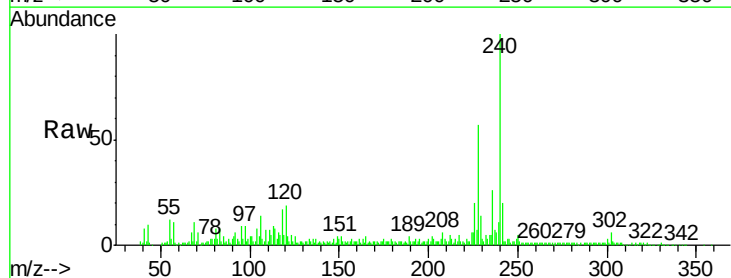
Tgt Ion:228 Resp: 54400

Ion Ratio Lower Upper

228 100

226 35.3 22.6 33.8#

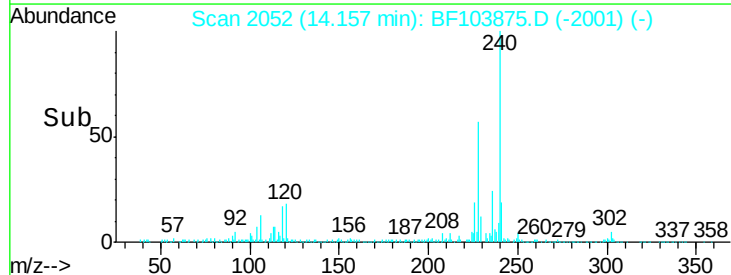
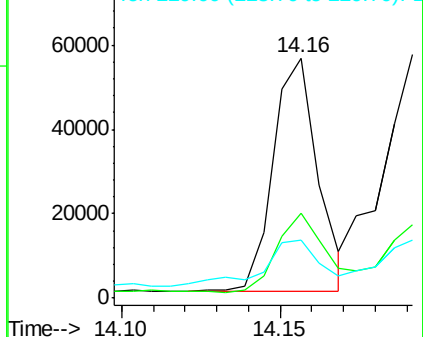
229 24.4 15.8 23.6#

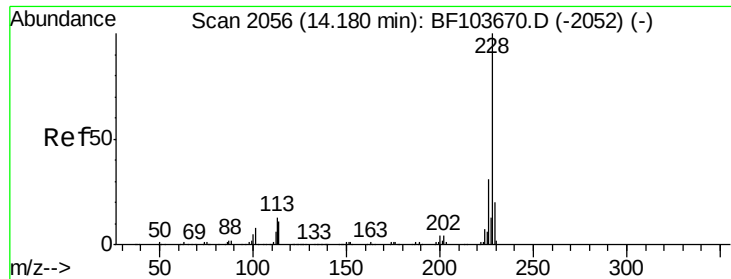


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

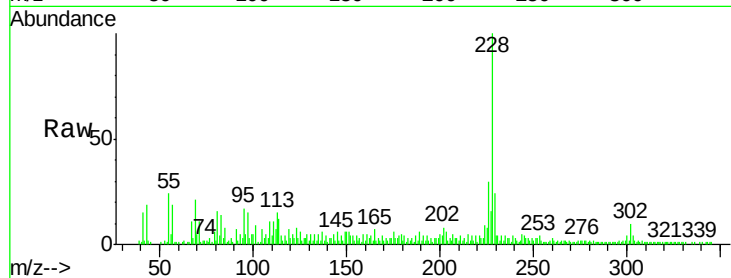




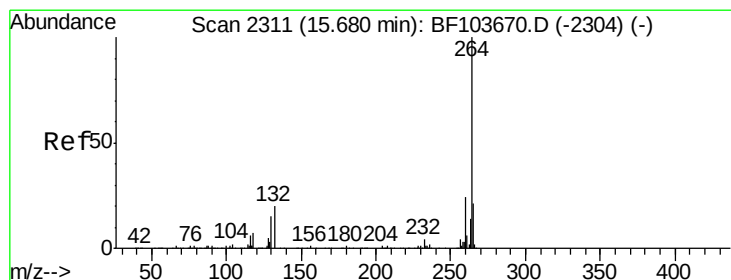
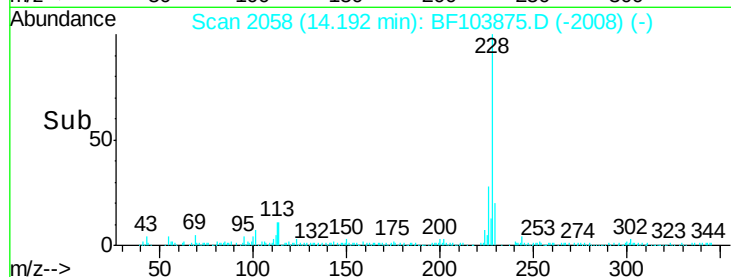
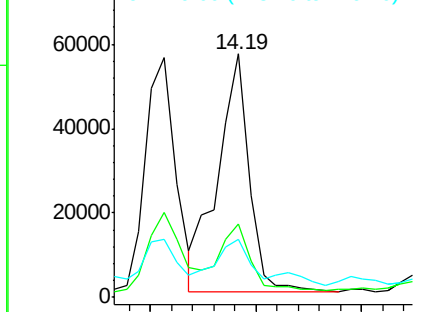
#82
Chrysene
Concen: 3.332 ng
RT: 14.19 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BF103875.D
Acq: 23 Mar 2018 13:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	24.0	16.2	24.4

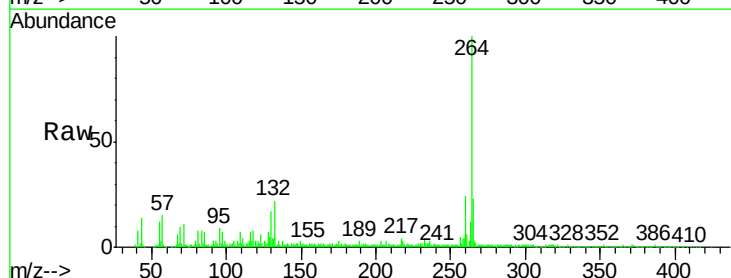


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

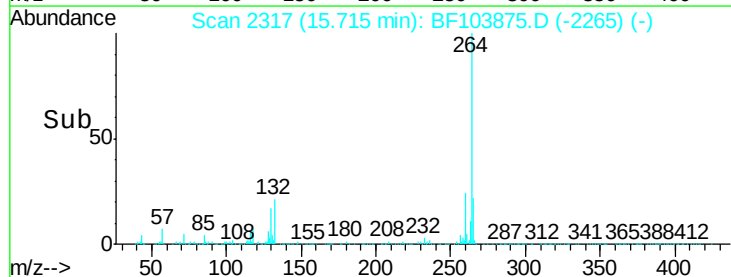
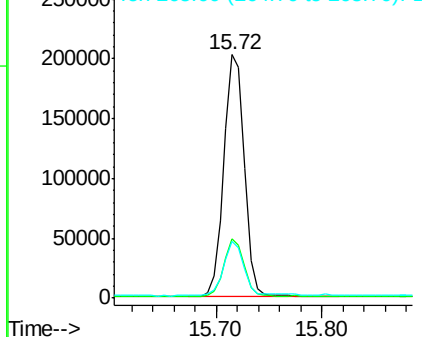


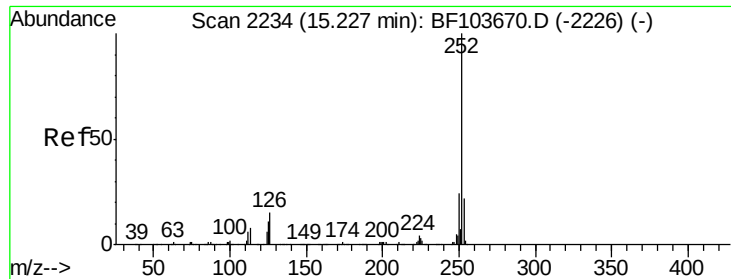
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.72 min Scan# 2317
Delta R.T. 0.01 min
Lab File: BF103875.D
Acq: 23 Mar 2018 13:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	23.1	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

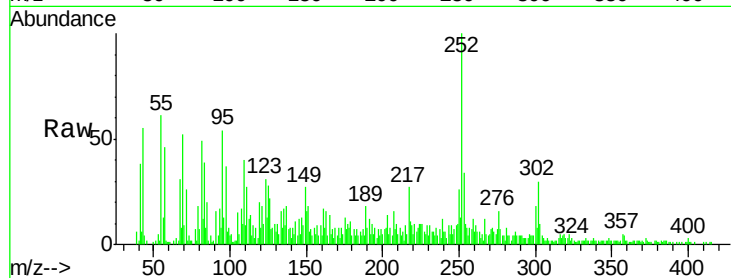




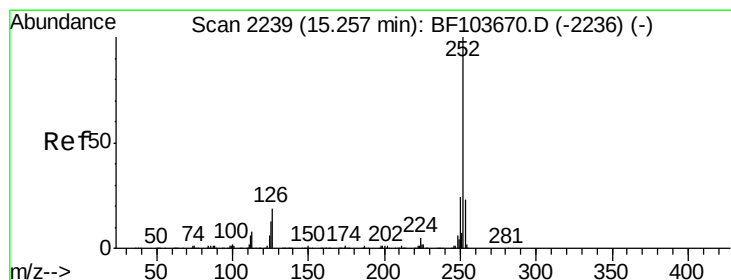
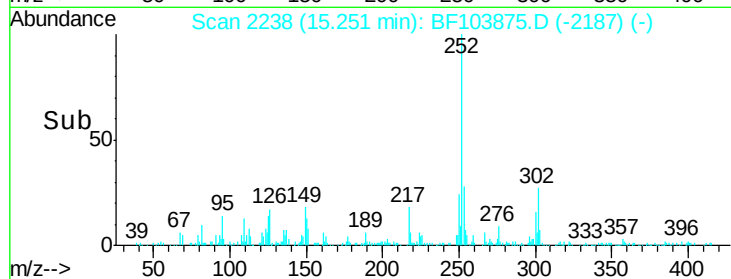
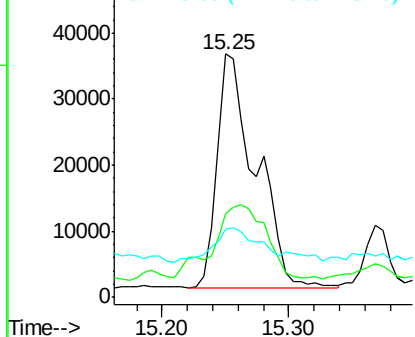
#87
Benzo(b)fluoranthene
Concen: 4.345 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.00 min
Lab File: BF103875.D
Acq: 23 Mar 2018 13:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 75379
Ion Ratio Lower Upper
252 100
253 34.2 17.0 25.6#
125 27.9 9.0 13.6#

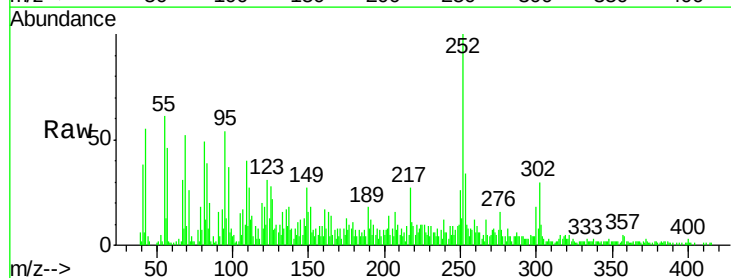


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

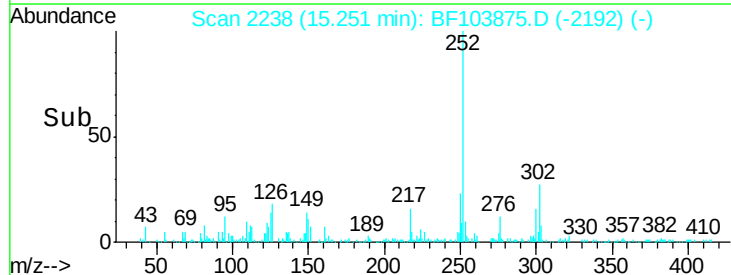
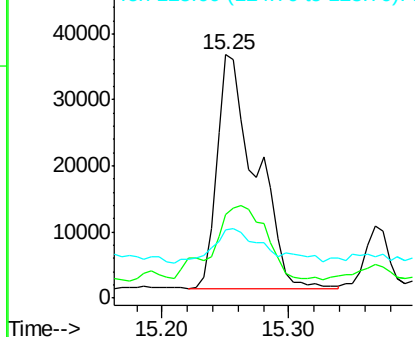


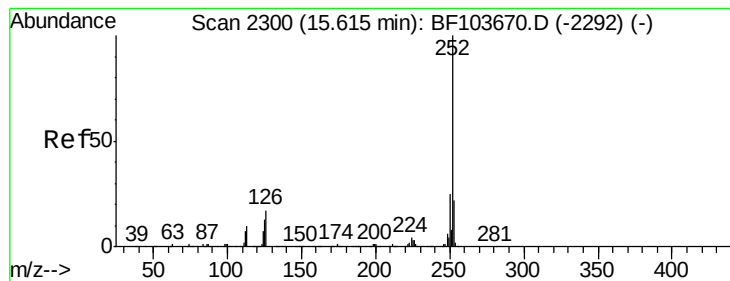
#88
Benzo(k)fluoranthene
Concen: 4.521 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.03 min
Lab File: BF103875.D
Acq: 23 Mar 2018 13:01

Tgt Ion:252 Resp: 75379
Ion Ratio Lower Upper
252 100
253 34.2 17.9 26.9#
125 27.9 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: 2.970 ng

RT: 15.64 min Scan# 2305

Delta R.T. -0.00 min

Lab File: BF103875.D

Acq: 23 Mar 2018 13:01

Instrument :

BNA_F

ClientSampleId :

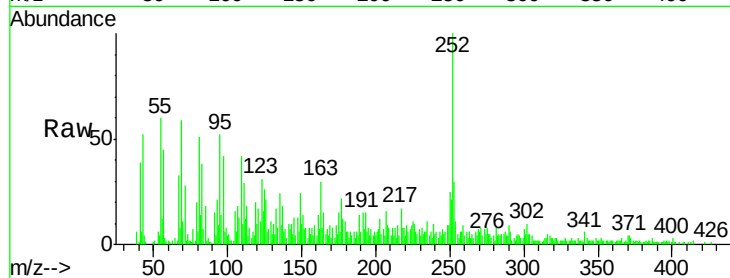
Tot Ion: 252 Resp: 46732

Ion Ratio Lower Upper

252 100

253 30.4 17.1 25.7#

125 26.0 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

