

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103408.D
 Acq On : 5 Mar 2018 14:37
 Operator : SJ/JU
 Sample : J1751-09 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 05 15:13:30 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	138374	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	567410	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	235267	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	349468	20.00	ng	0.00
75) Chrysene-d12	14.07	240	238765	20.00	ng	0.00
86) Perylene-d12	15.58	264	178553	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	500546	54.71	ng	0.00
7) Phenol-d6	6.51	99	617382	55.15	ng	-0.01
23) Nitrobenzene-d5	7.43	82	363520	36.59	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	82949	41.65	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	538421	33.44	ng	0.00
78) Terphenyl-d14	12.99	244	346095	34.84	ng	0.00

Target Compounds

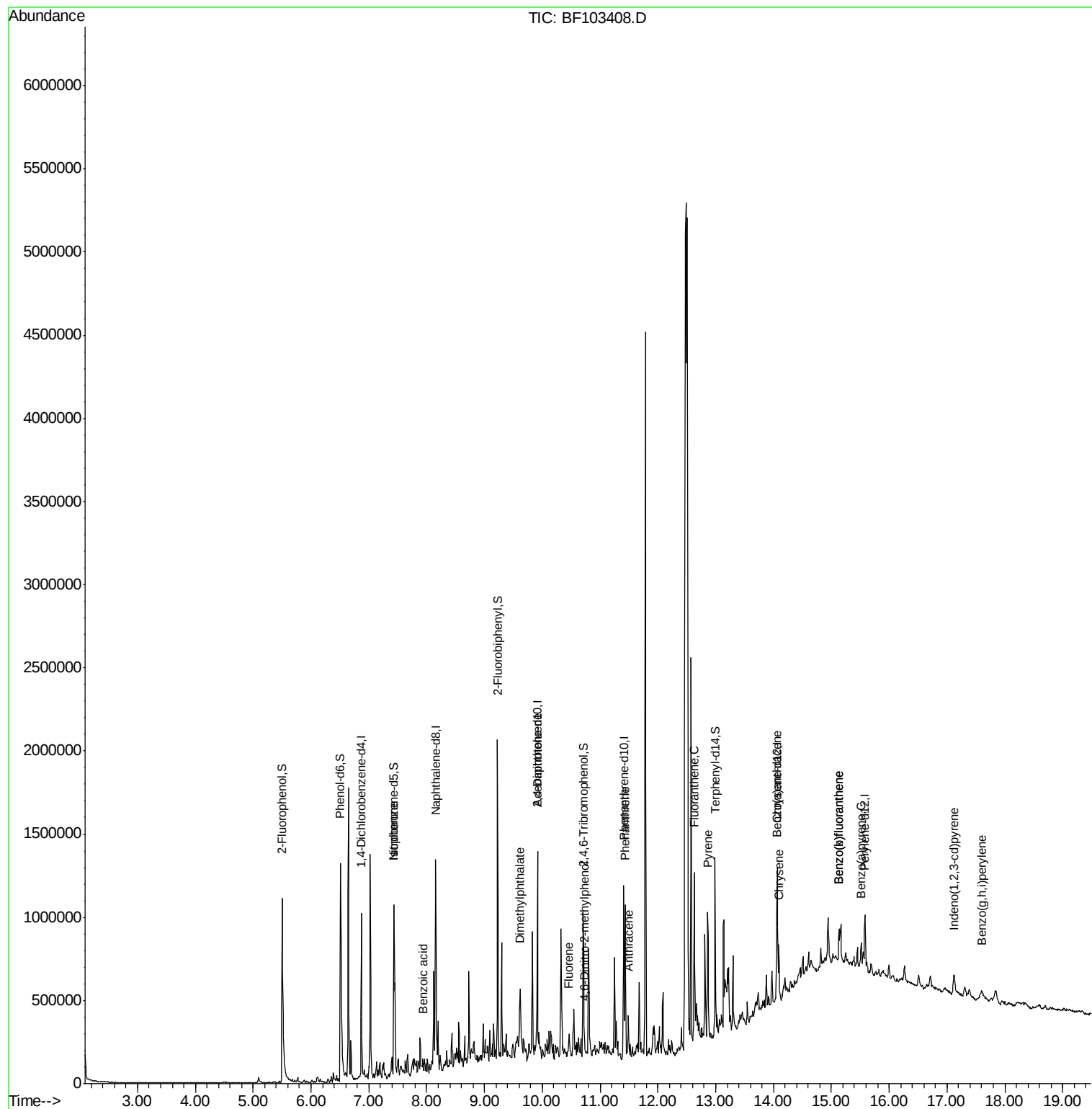
						Qvalue
9) Benzaldehyde	6.42	77	647	Below Cal	#	1
25) Isophorone	7.43	82	360170	18.406	ng	# 65
32) Benzoic acid	7.94	122	135	6.934	ng	# 39
49) Dimethylphthalate	9.62	163	79862	4.231	ng	# 98
56) 2,4-Dinitrotoluene	9.92	165	32281	6.444	ng	# 24
57) Fluorene	10.46	166	33330	2.037	ng	# 95
64) 4,6-Dinitro-2-methylphenol	10.74	198	657	5.222	ng	# 1
70) Phenanthrene	11.43	178	289560	15.056	ng	# 99
71) Anthracene	11.49	178	91046	4.617	ng	# 99
74) Fluoranthene	12.63	202	347143	17.962	ng	# 98
77) Pyrene	12.86	202	299443	16.086	ng	# 99
80) Benzo(a)anthracene	14.06	228	142670	9.209	ng	# 97
82) Chrysene	14.09	228	115477	7.677	ng	# 97
85) Indeno(1,2,3-cd)pyrene	17.13	276	40320	3.386	ng	# 95
87) Benzo(b)fluoranthene	15.13	252	161660	13.770	ng	# 84
88) Benzo(k)fluoranthene	15.13	252	161660	14.623	ng	# 87
89) Benzo(a)pyrene	15.52	252	81893	7.812	ng	# 88
91) Benzo(g,h,i)perylene	17.60	276	38670	4.884	ng	# 87

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

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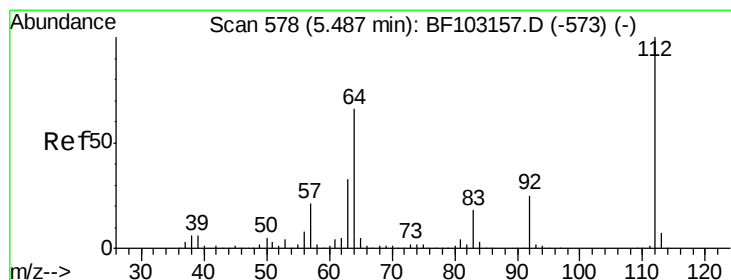
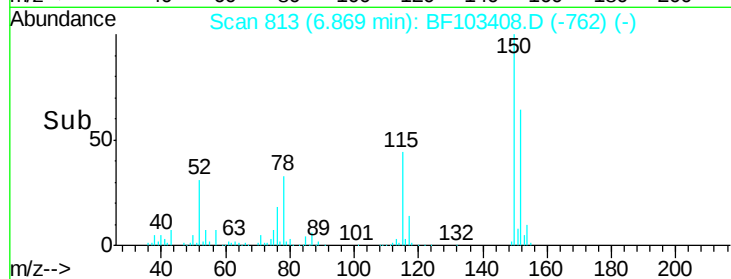
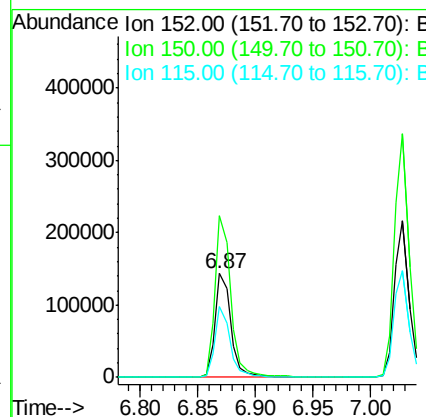
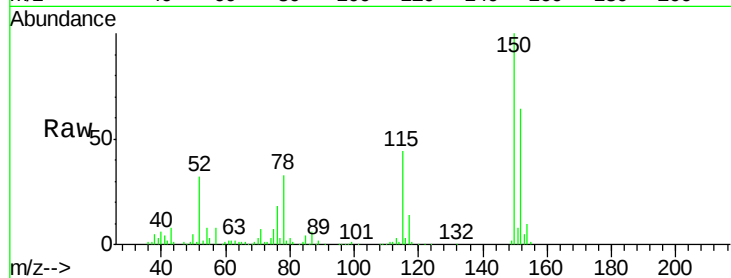


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103408.D
Acq: 5 Mar 2018 14:37

Instrument :
BNA_F
ClientSampled :

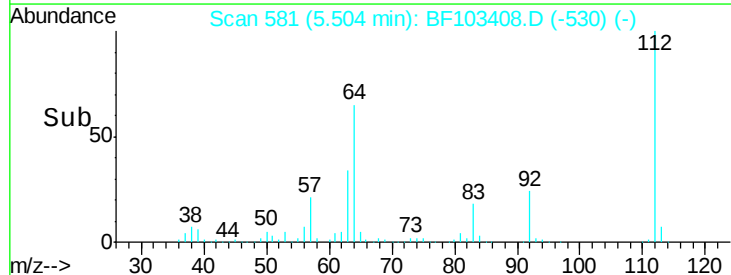
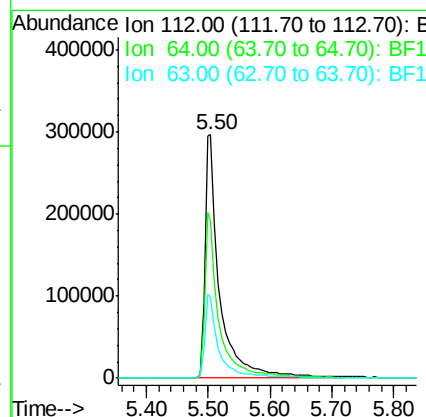
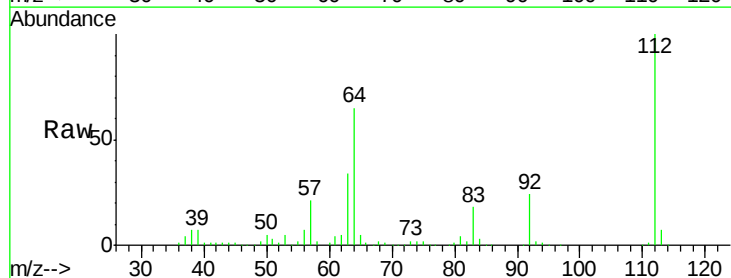
Tot Ion:152 Resp: 138374
Ion Ratio Lower Upper
152 100
150 155.4 124.6 186.8
115 67.7 50.1 75.1

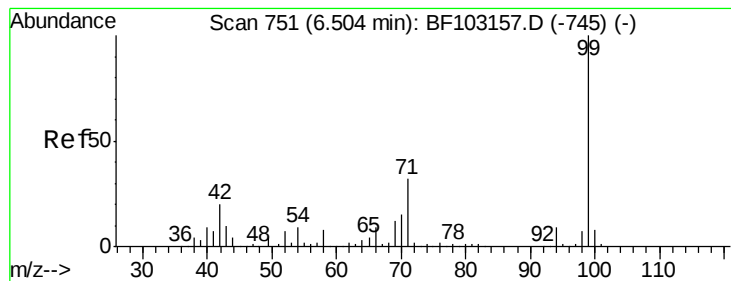


#5

2-Fluorophenol
Concen: 54.710 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.00 min
Lab File: BF103408.D
Acq: 5 Mar 2018 14:37

Tgt Ion:112 Resp: 500546
Ion Ratio Lower Upper
112 100
64 64.6 47.9 71.9
63 33.5 23.7 35.5





#7

Phenol-d6

Concen: 55.146 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103408.D

Acq: 5 Mar 2018 14:37

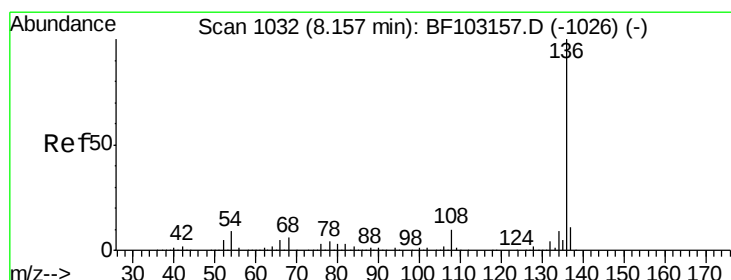
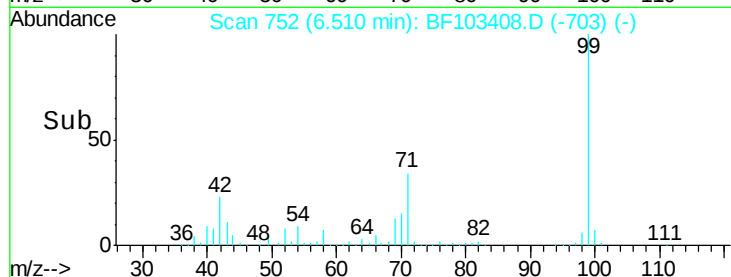
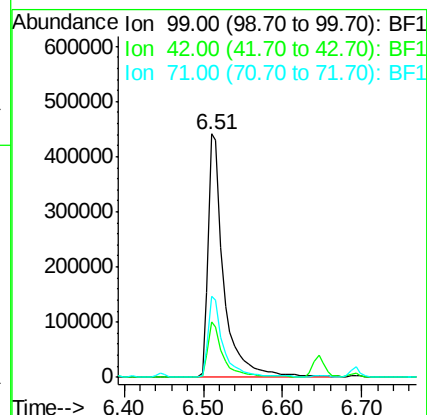
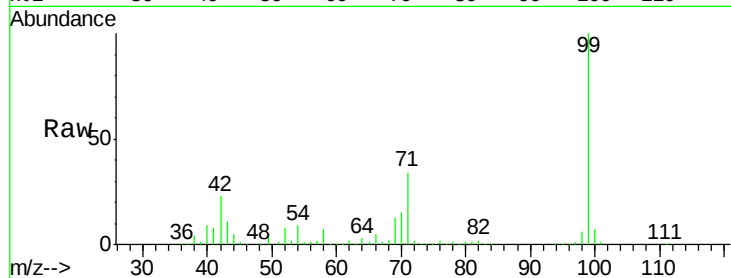
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 617382

Ion	Ratio	Lower	Upper
99	100		
42	22.9	14.5	21.7#
71	33.5	25.4	38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

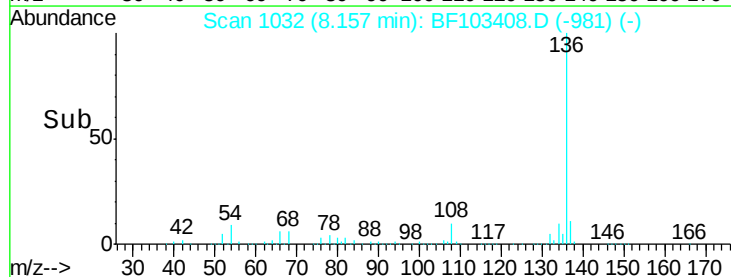
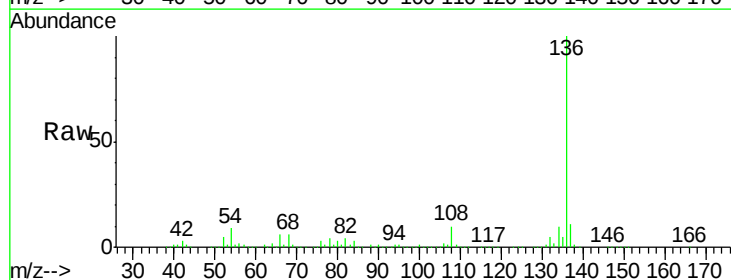
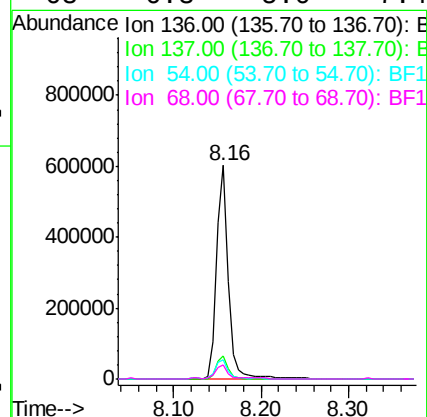
Delta R.T. 0.00 min

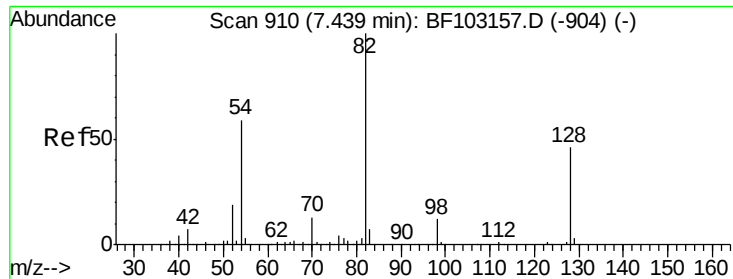
Lab File: BF103408.D

Acq: 5 Mar 2018 14:37

Tgt Ion: 136 Resp: 567410

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.9	6.6	9.8
68	6.3	5.0	7.4

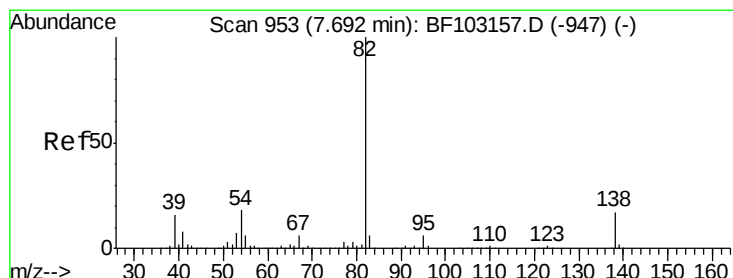
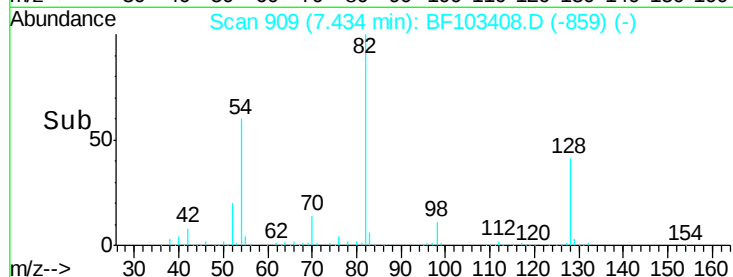
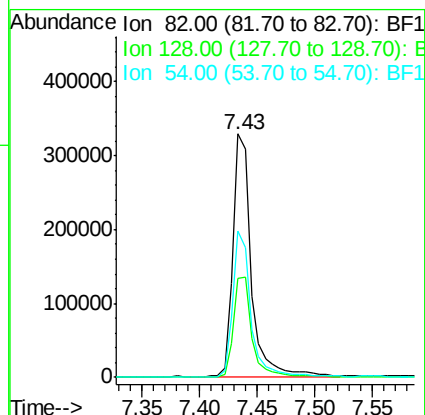
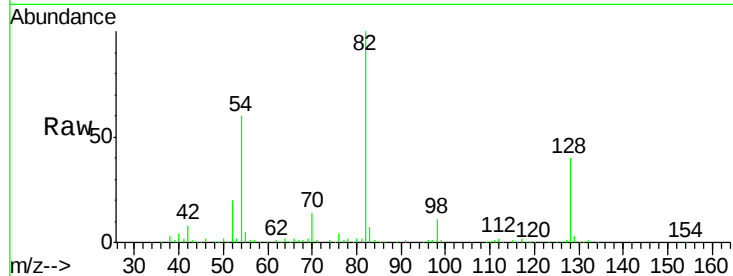




#23
Nitrobenzene-d5
Concen: 36.587 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103408.D
Acq: 5 Mar 2018 14:37

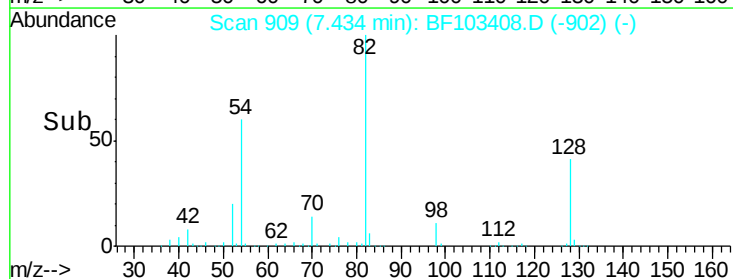
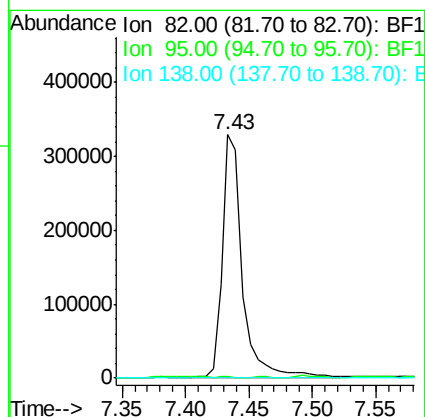
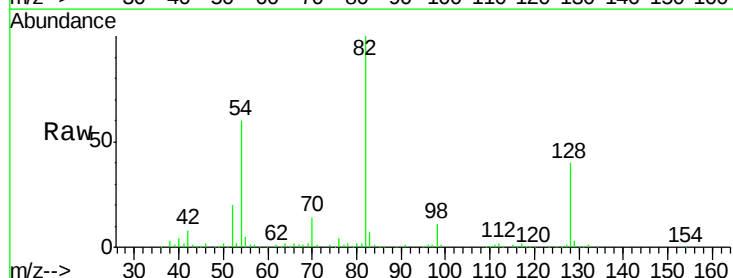
Instrument :
BNA_F
ClientSampleId :

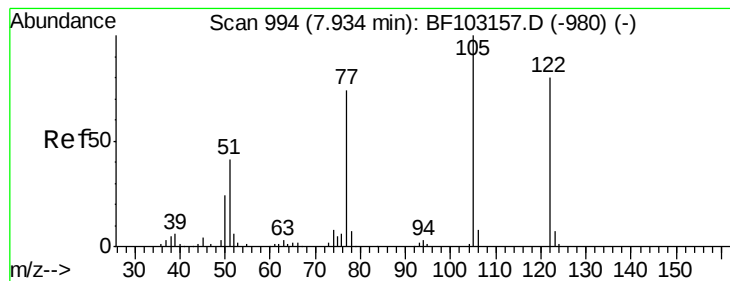
Tot Ion: 82 Resp: 363520
Ion Ratio Lower Upper
82 100
128 40.5 36.1 54.1
54 60.2 41.4 62.2



#25
Isophorone
Concen: 18.406 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.26 min
Lab File: BF103408.D
Acq: 5 Mar 2018 14:37

Tgt Ion: 82 Resp: 360170
Ion Ratio Lower Upper
82 100
95 0.5 5.2 7.8#
138 0.0 14.9 22.3#





#32

Benzoic acid

Concen: 6.934 ng

RT: 7.94 min Scan# 995

Delta R.T. -0.02 min

Lab File: BF103408.D

Acq: 5 Mar 2018 14:37

Instrument :

BNA_F

ClientSampleId :

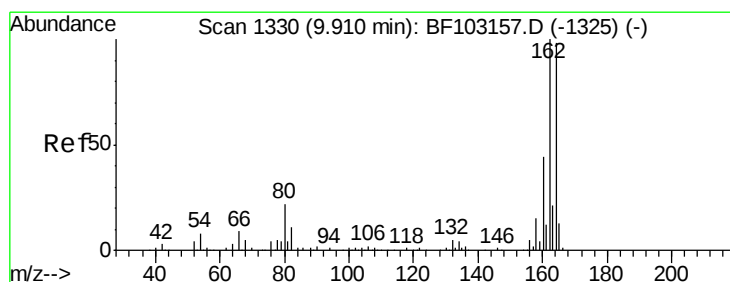
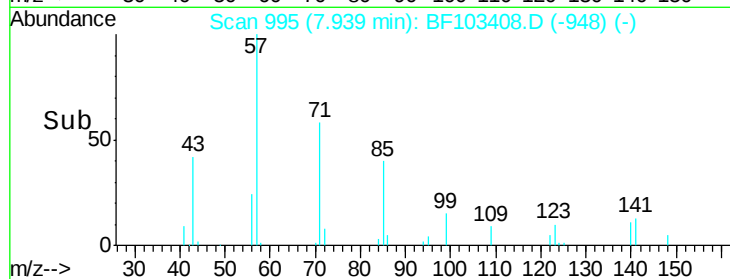
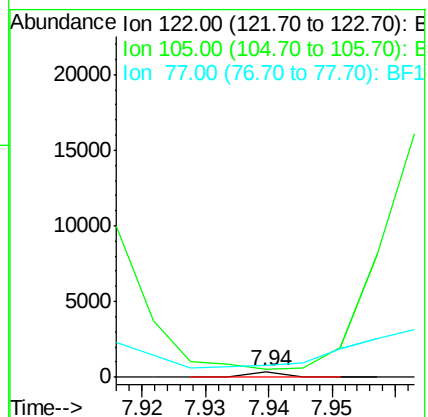
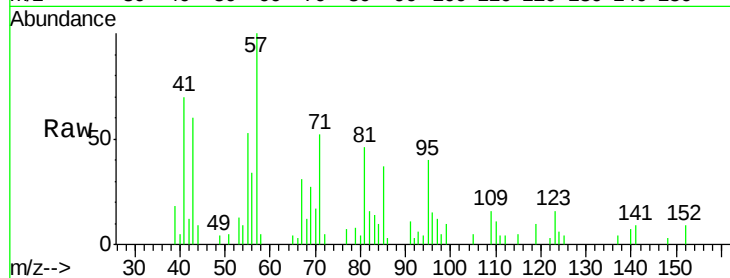
Tot Ion:122 Resp: 135

Ion Ratio Lower Upper

122 100

105 135.2 101.1 141.1

77 210.2 70.7 110.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BF103408.D

Acq: 5 Mar 2018 14:37

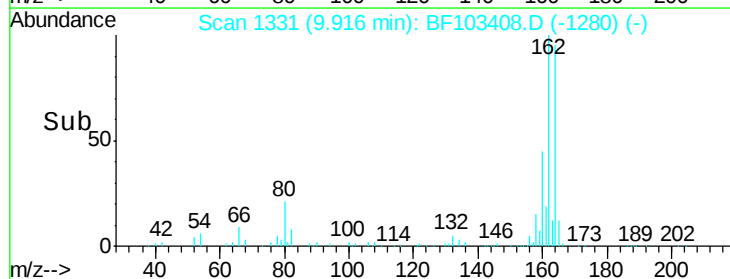
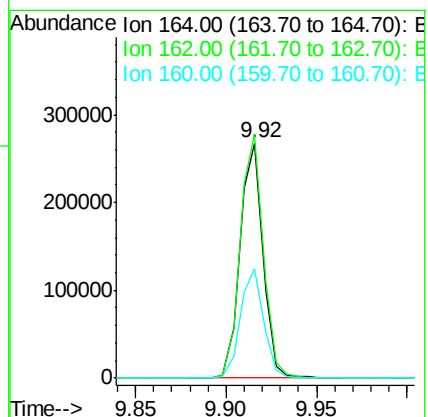
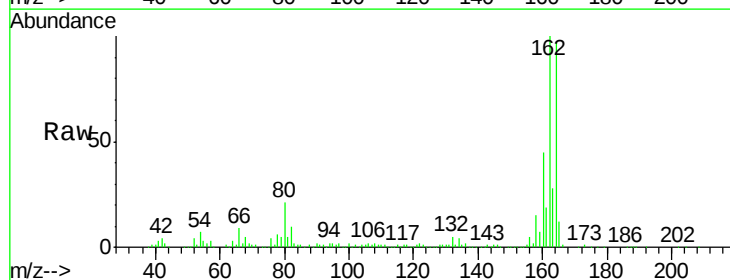
Tgt Ion:164 Resp: 235267

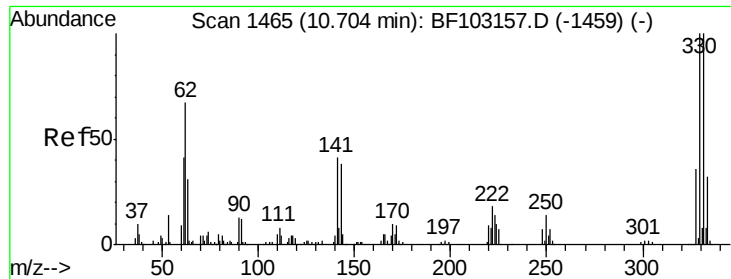
Ion Ratio Lower Upper

164 100

162 103.6 86.1 129.1

160 46.5 38.3 57.5

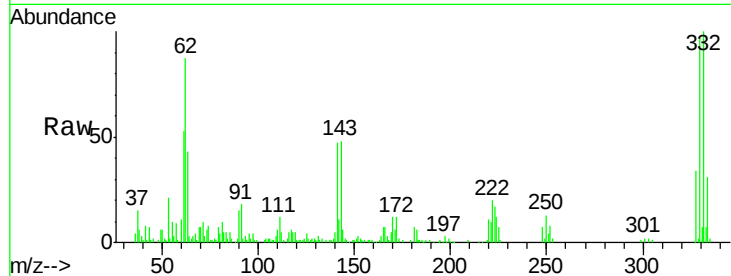




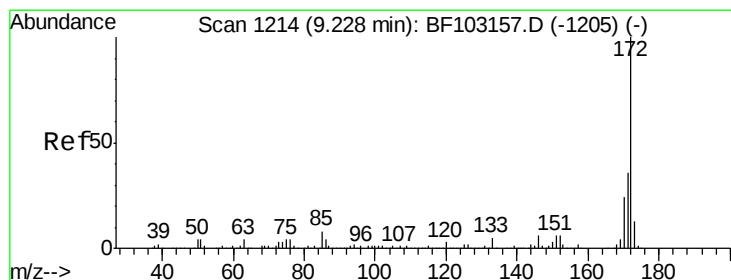
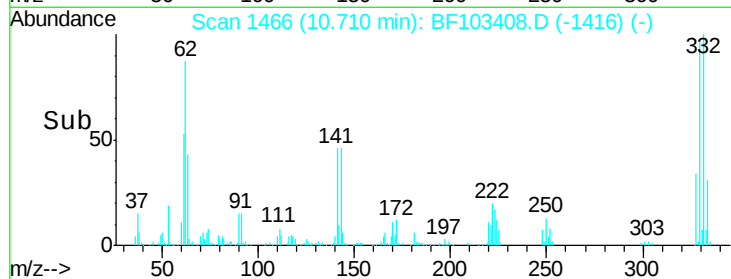
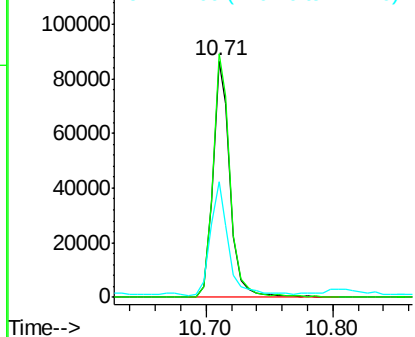
#41
 2,4,6-Tribromophenol
 Concen: 41.653 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103408.D
 Acq: 5 Mar 2018 14:37

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 82949
 Ion Ratio Lower Upper
 330 100
 332 103.1 77.0 115.6
 141 49.7 29.9 44.9#

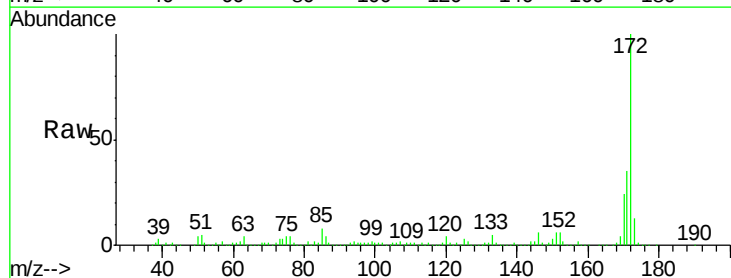


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

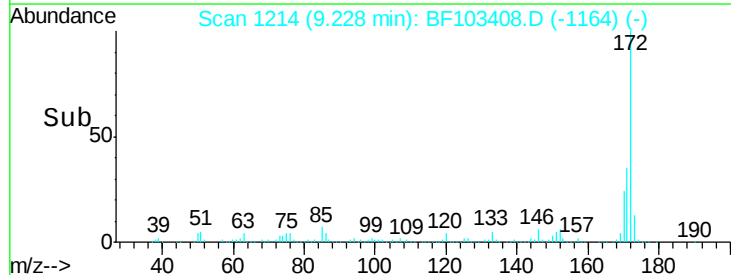
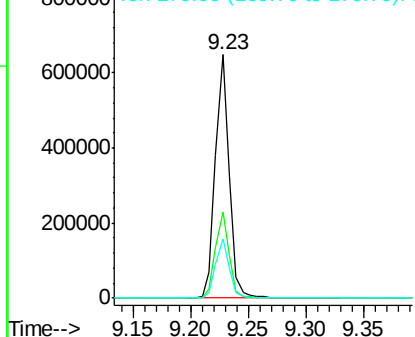


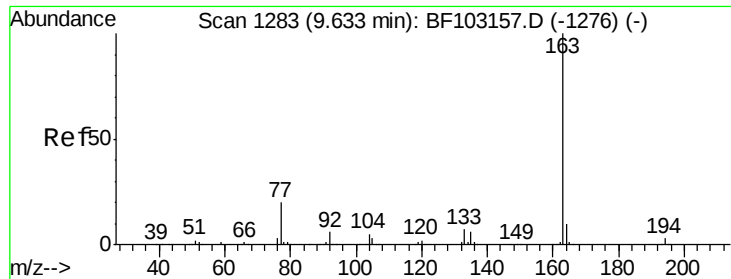
#44
 2-Fluorobiphenyl
 Concen: 33.438 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103408.D
 Acq: 5 Mar 2018 14:37

Tgt Ion:172 Resp: 538421
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 24.3 19.6 29.4



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

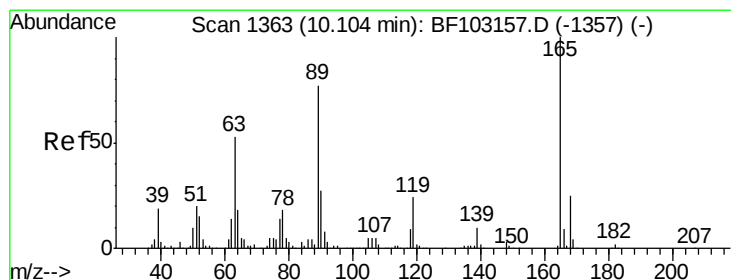
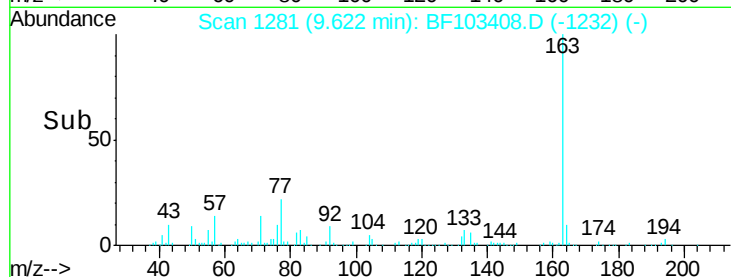
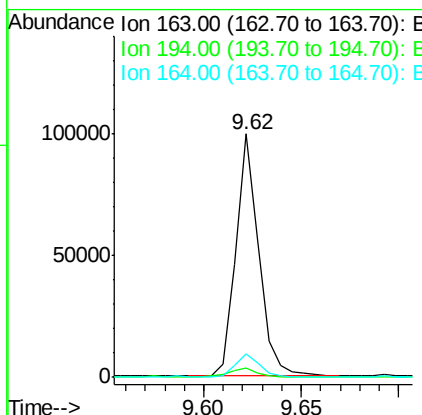
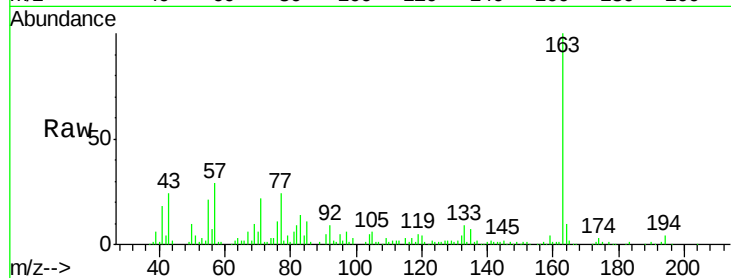




#49
 Dimethylphthalate
 Concen: 4.231 ng
 RT: 9.62 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: BF103408.D
 Acq: 5 Mar 2018 14:37

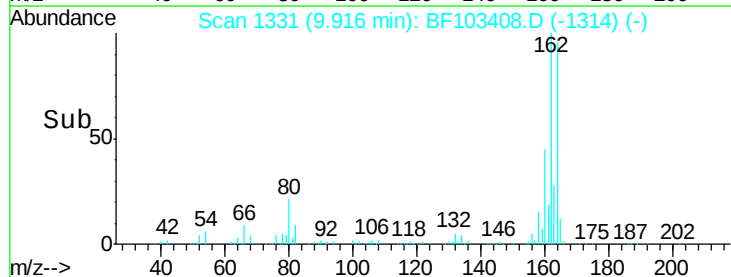
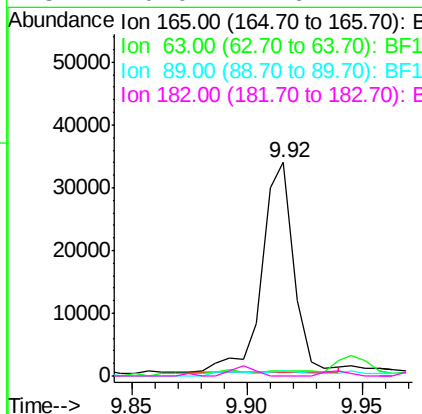
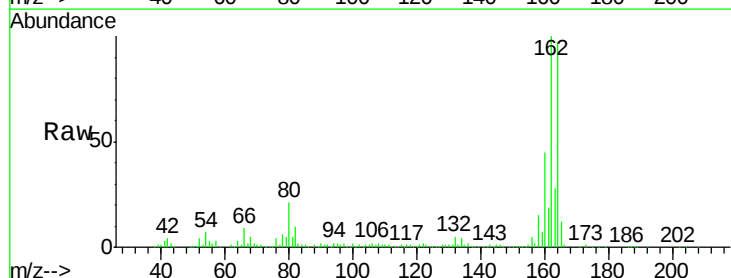
Instrument :
 BNA_F
 ClientSampled :

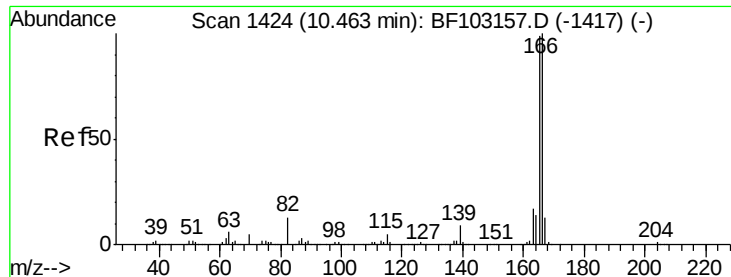
Tot Ion:163	Resp:	79862
Ion Ratio	Lower	Upper
163	100	
194	3.8	2.7 4.1
164	9.6	8.2 12.2



#56
 2,4-Dinitrotoluene
 Concen: 6.444 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.20 min
 Lab File: BF103408.D
 Acq: 5 Mar 2018 14:37

Tgt Ion:165	Resp:	32281
Ion Ratio	Lower	Upper
165	100	
63	2.5	36.4 54.6#
89	2.1	57.8 86.6#
182	0.0	1.6 2.4#

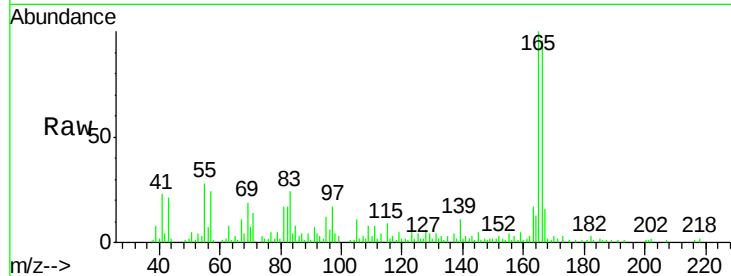




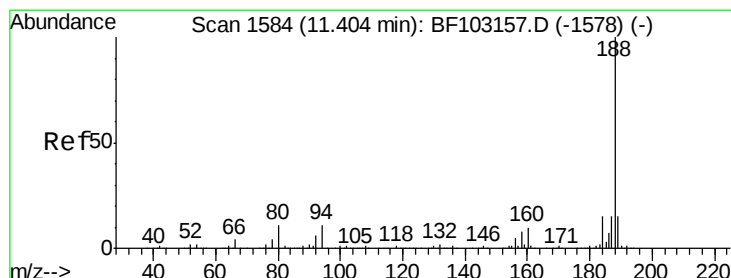
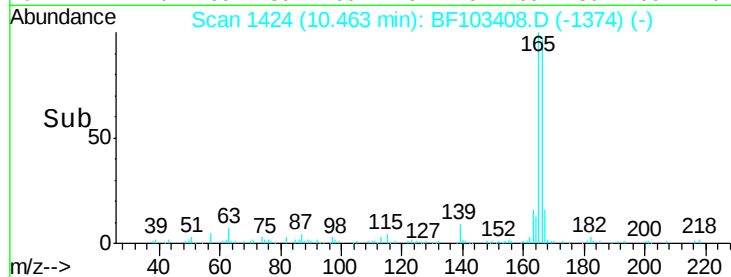
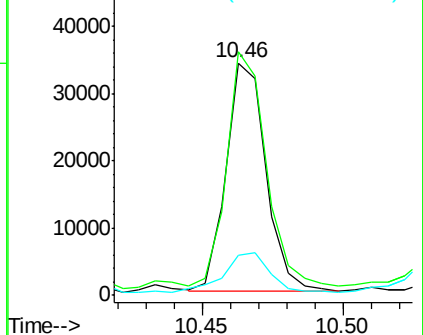
#57
Fluorene
 Concen: 2.037 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF103408.D
 Acq: 5 Mar 2018 14:37

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:166 Resp: 33330
 Ion Ratio Lower Upper
 166 100
 165 104.6 79.8 119.8
 167 17.2 10.6 16.0#

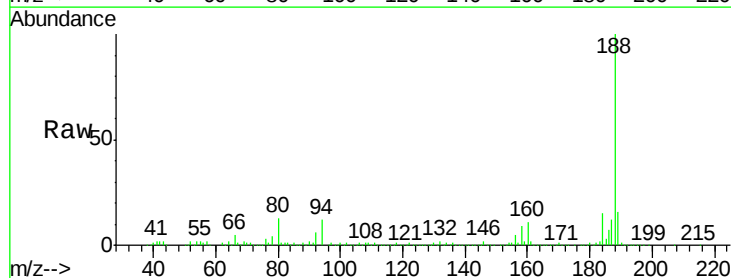


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

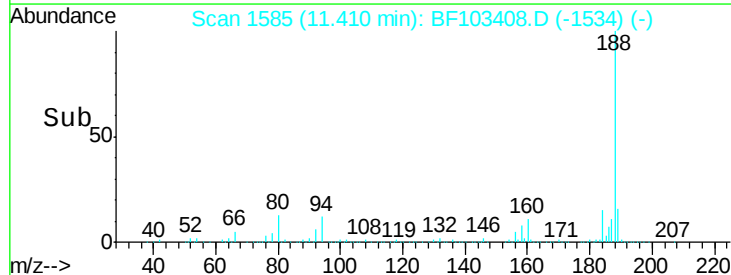
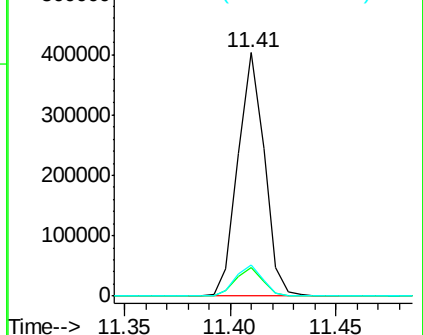


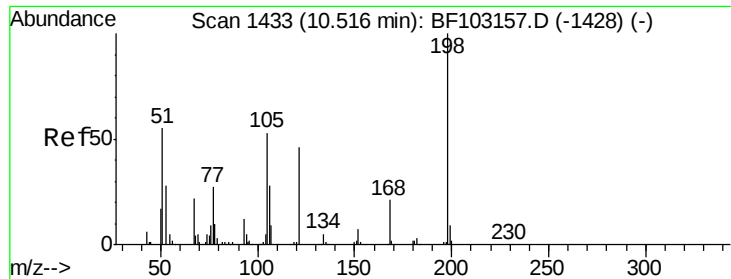
#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF103408.D
 Acq: 5 Mar 2018 14:37

Tgt Ion:188 Resp: 349468
 Ion Ratio Lower Upper
 188 100
 94 11.8 8.5 12.7
 80 12.8 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: 5.222 ng

RT: 10.74 min Scan# 1471

Delta R.T. 0.21 min

Lab File: BF103408.D

Acq: 5 Mar 2018 14:37

Instrument :

BNA_F

ClientSampled :

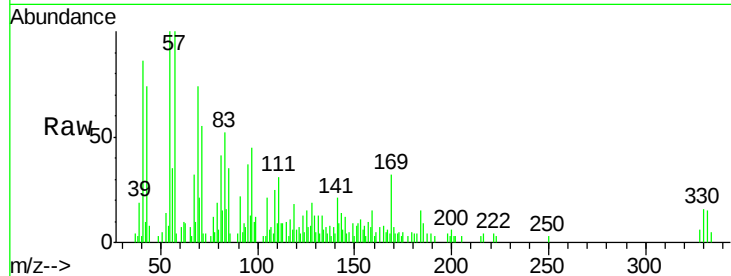
Tot Ion:198 Resp: 657

Ion Ratio Lower Upper

198 100

51 127.6 37.7 77.7#

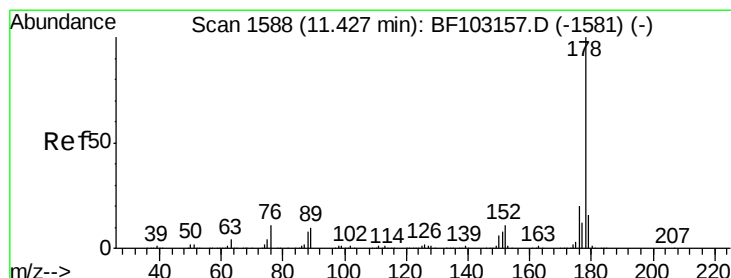
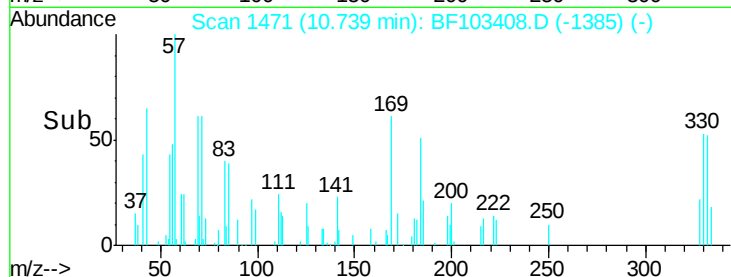
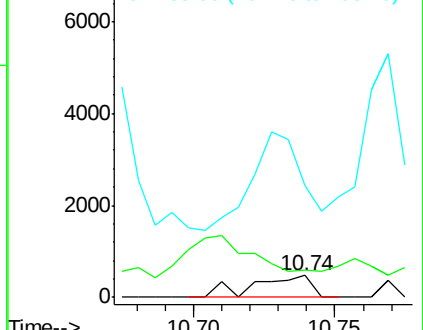
105 515.6 36.3 76.3#



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: 15.056 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BF103408.D

Acq: 5 Mar 2018 14:37

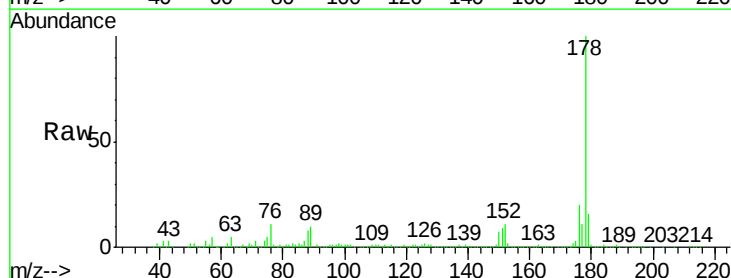
Tgt Ion:178 Resp: 289560

Ion Ratio Lower Upper

178 100

176 20.0 15.8 23.8

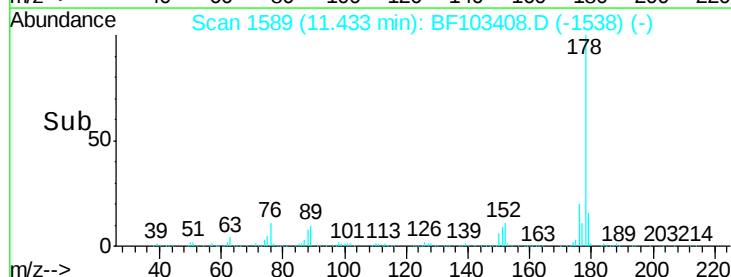
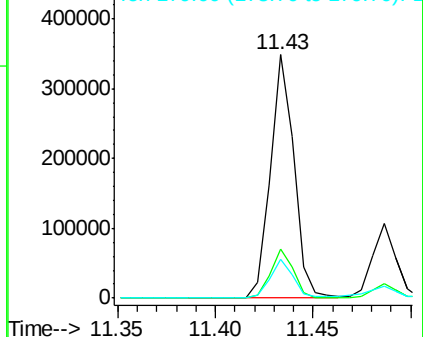
179 15.9 13.0 19.6

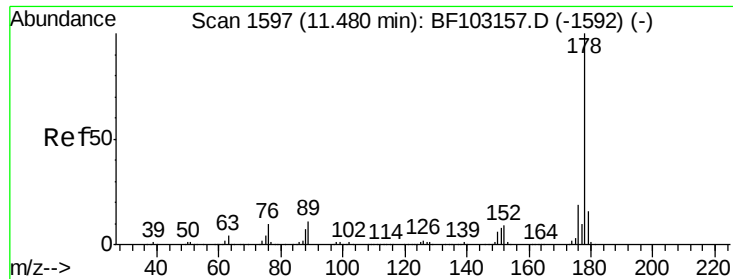


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

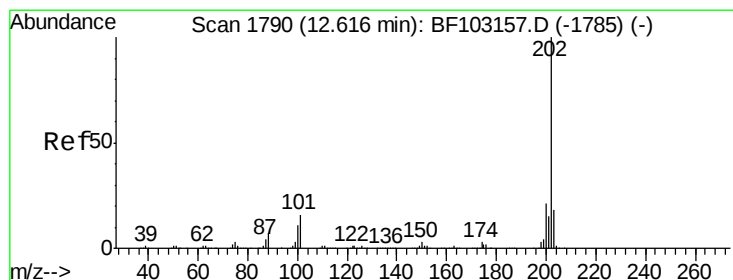
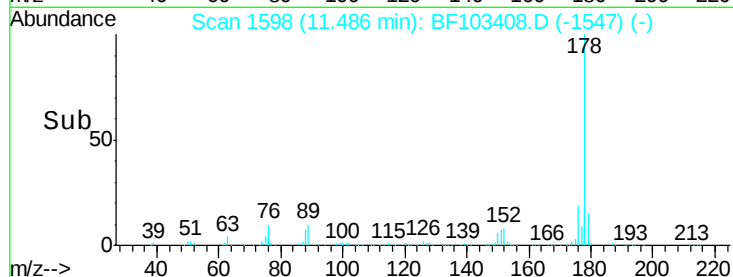
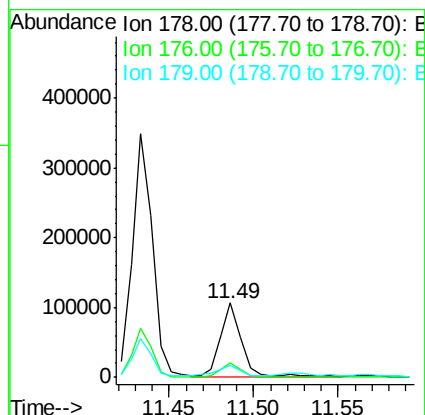
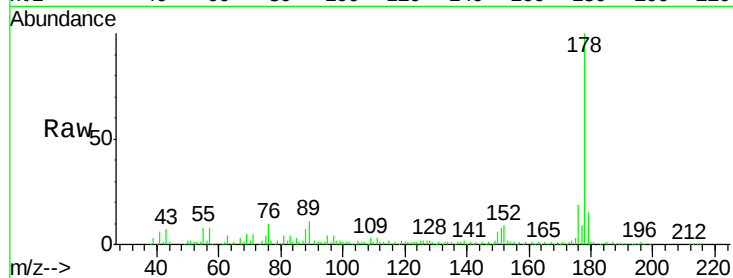




#71
 Anthracene
 Concen: 4.617 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: BF103408.D
 Acq: 5 Mar 2018 14:37

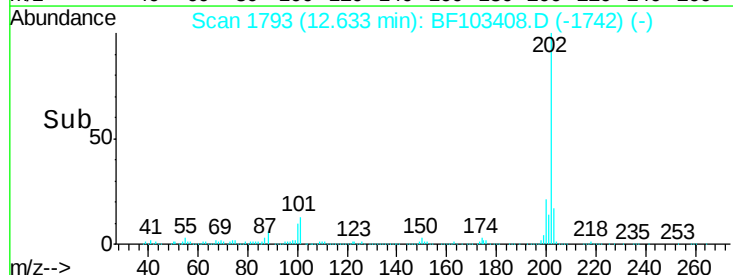
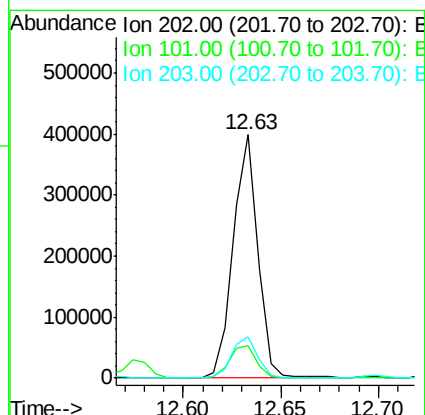
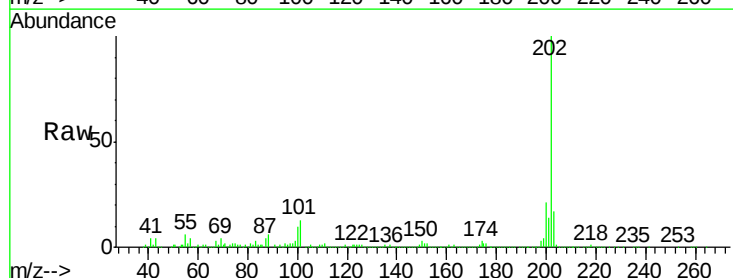
Instrument :
 BNA_F
 ClientSampleId :

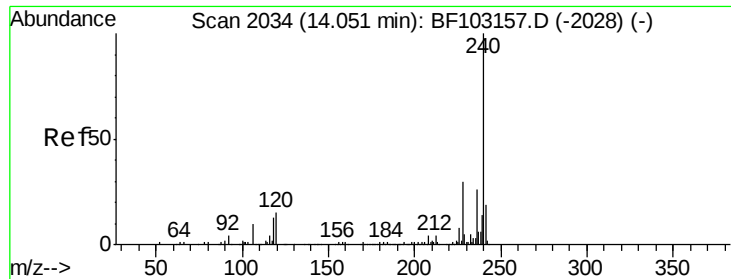
Tot Ion:178 Resp: 91046
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.2
 179 15.2 12.6 19.0



#74
 Fluoranthene
 Concen: 17.962 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. 0.00 min
 Lab File: BF103408.D
 Acq: 5 Mar 2018 14:37

Tgt Ion:202 Resp: 347143
 Ion Ratio Lower Upper
 202 100
 101 13.1 0.0 34.1
 203 17.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2037

Delta R.T. 0.00 min

Lab File: BF103408.D

Acq: 5 Mar 2018 14:37

Instrument :

BNA_F

ClientSampleId :

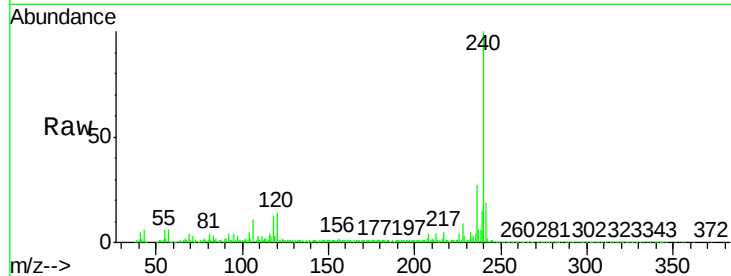
Tot Ion:240 Resp: 238765

Ion Ratio Lower Upper

240 100

120 14.3 9.5 14.3#

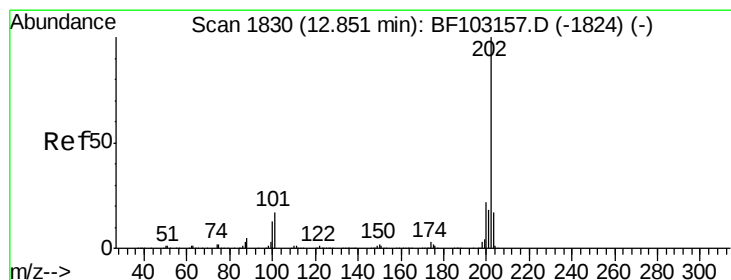
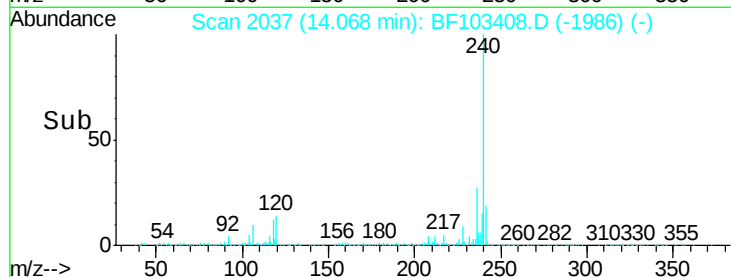
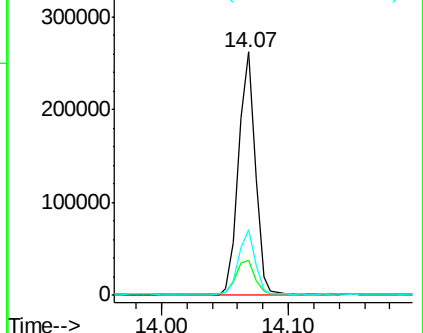
236 26.8 20.7 31.1



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

Pyrene

Concen: 16.086 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BF103408.D

Acq: 5 Mar 2018 14:37

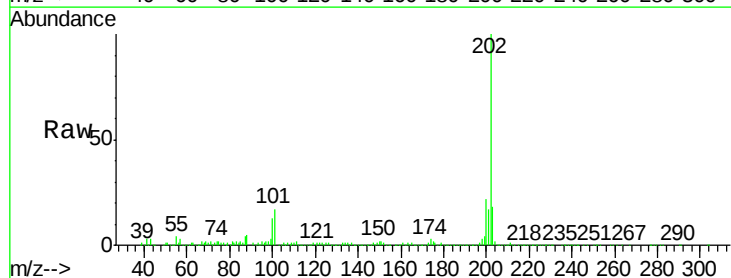
Tgt Ion:202 Resp: 299443

Ion Ratio Lower Upper

202 100

200 22.4 17.4 26.2

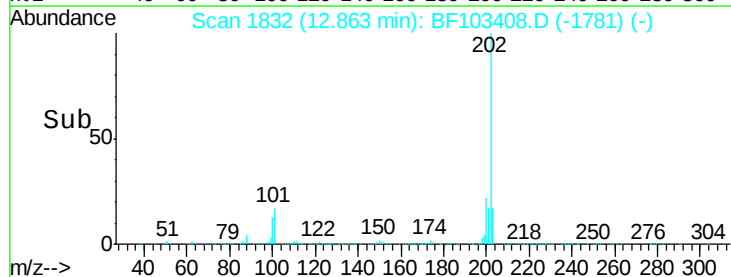
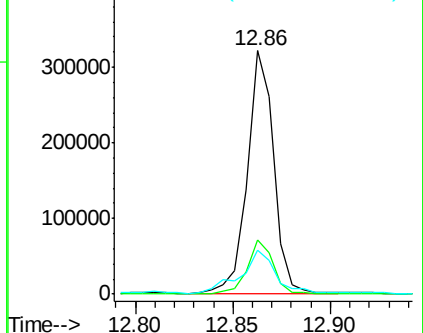
203 18.0 14.3 21.5

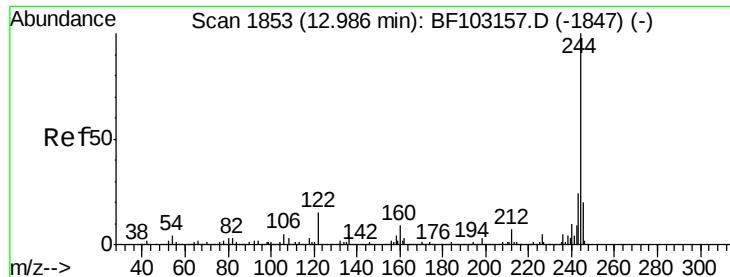


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 34.845 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF103408.D

Acq: 5 Mar 2018 14:37

Instrument :

BNA_F

ClientSampleId :

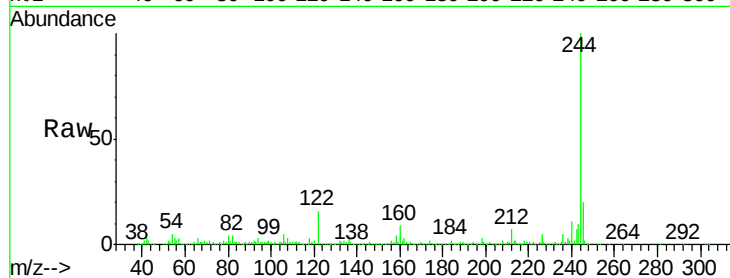
Tot Ion:244 Resp: 346095

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

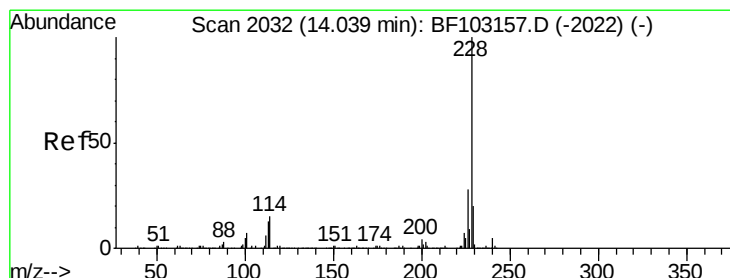
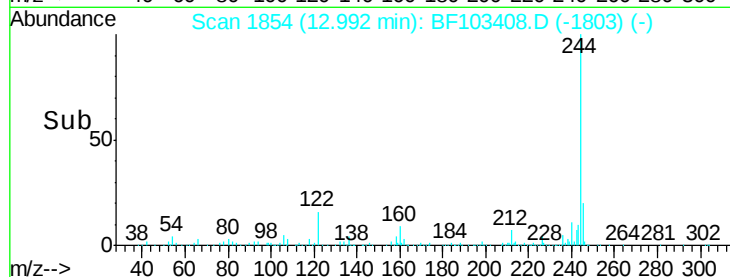
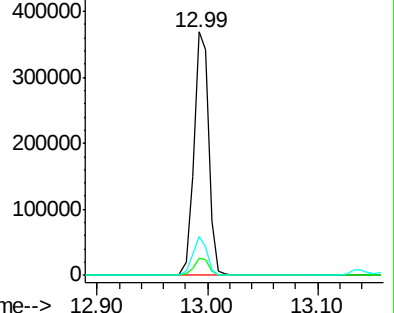
122 15.8 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 9.209 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BF103408.D

Acq: 5 Mar 2018 14:37

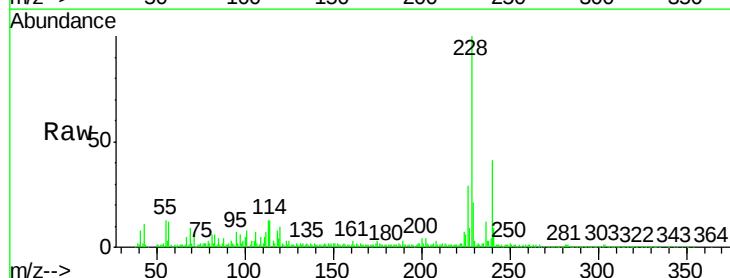
Tgt Ion:228 Resp: 142670

Ion Ratio Lower Upper

228 100

226 29.3 22.6 33.8

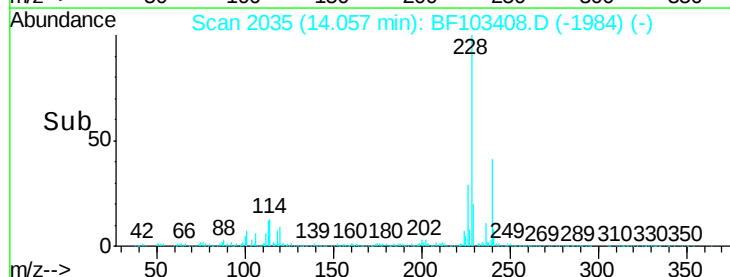
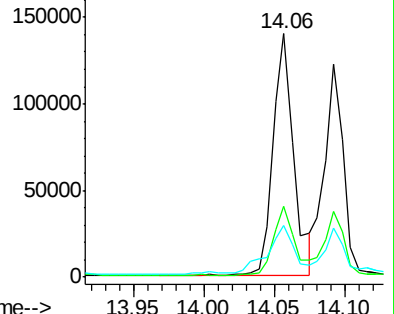
229 21.4 15.8 23.6

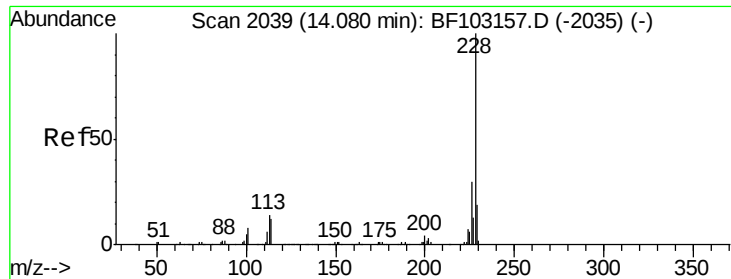


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

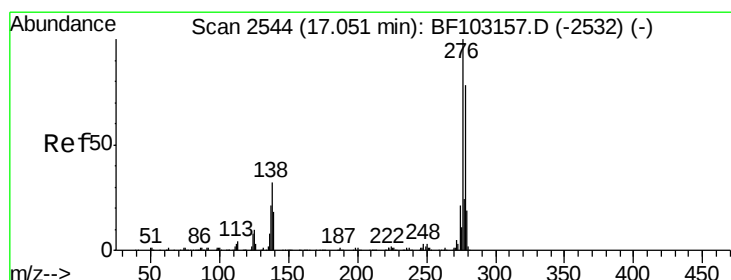
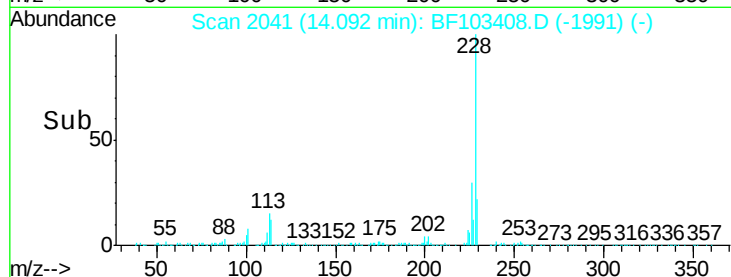
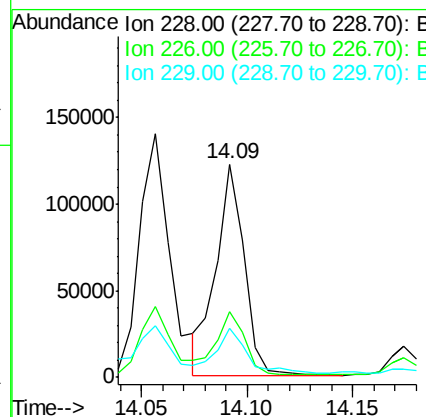
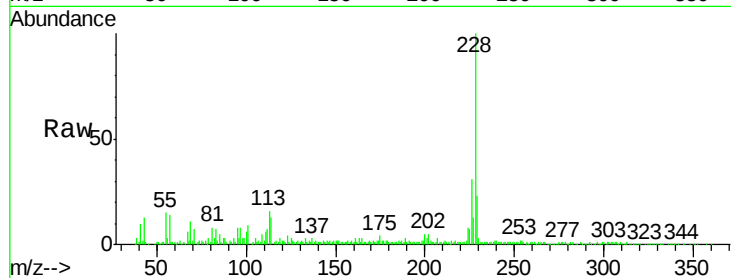




#82
Chrysene
Concen: 7.677 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103408.D
Acq: 5 Mar 2018 14:37

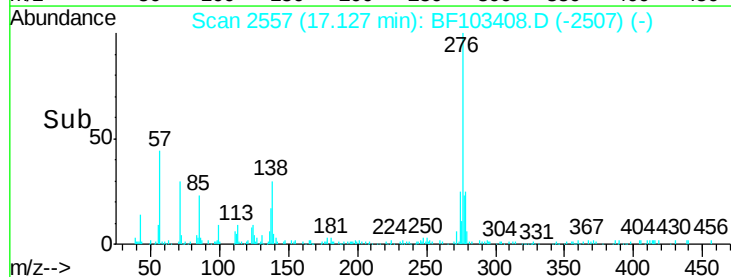
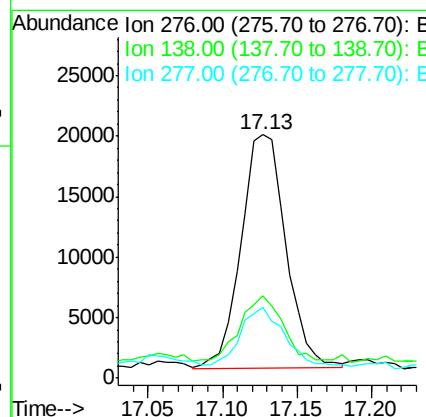
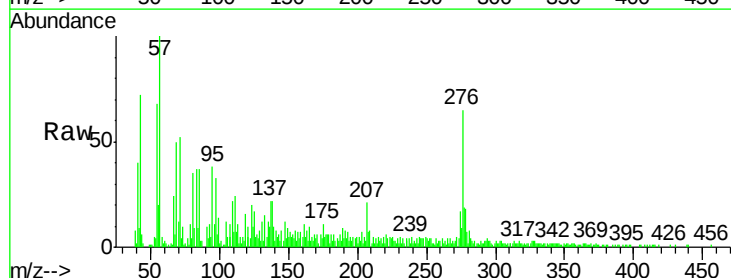
Instrument :
BNA_F
ClientSampleId :

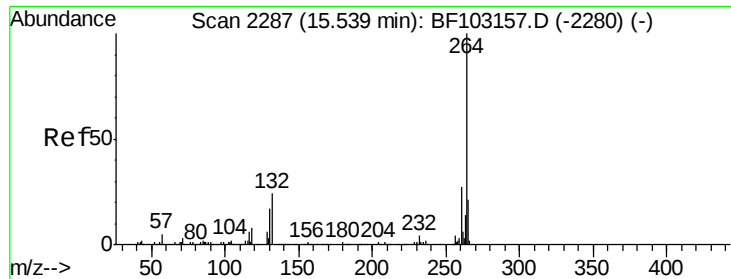
Tot Ion:228 Resp: 115477
Ion Ratio Lower Upper
228 100
226 30.9 25.0 37.6
229 23.2 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.386 ng
RT: 17.13 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BF103408.D
Acq: 5 Mar 2018 14:37

Tgt Ion:276 Resp: 40320
Ion Ratio Lower Upper
276 100
138 27.1 25.0 37.6
277 24.1 20.1 30.1

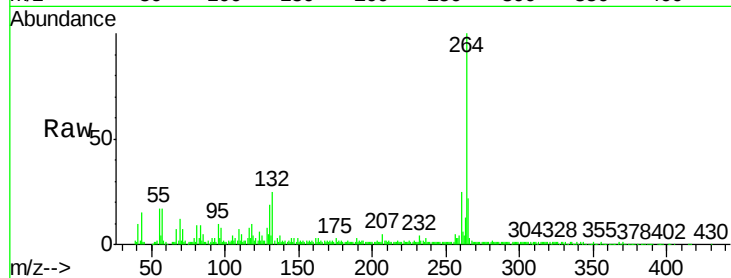




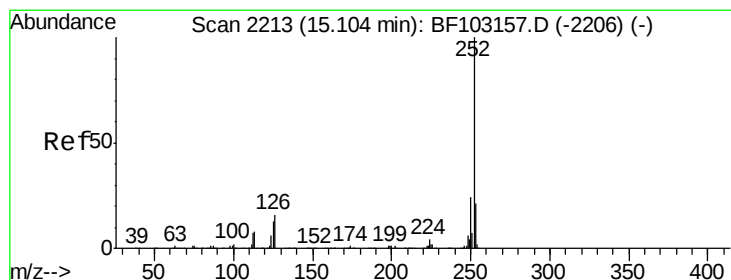
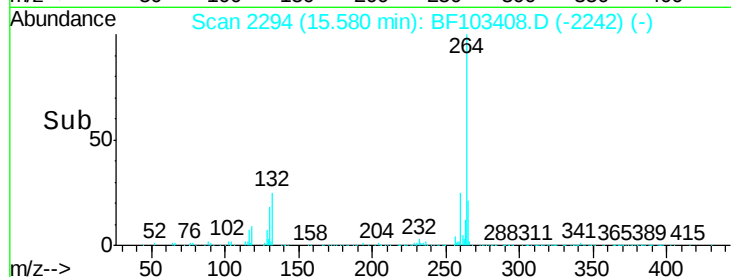
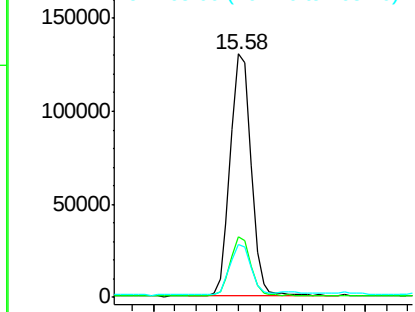
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF103408.D
Acq: 5 Mar 2018 14:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 178553
Ion Ratio Lower Upper
264 100
260 25.1 19.2 28.8
265 21.8 17.5 26.3

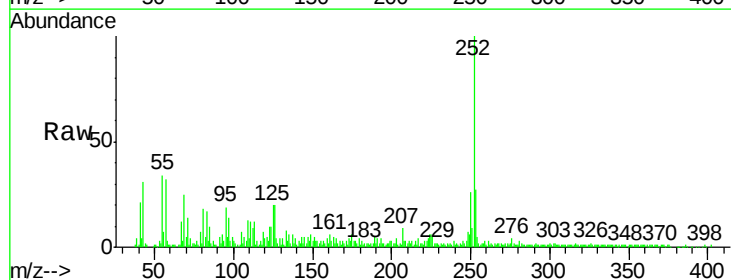


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

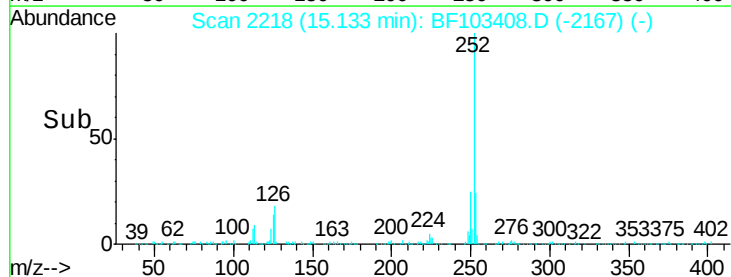
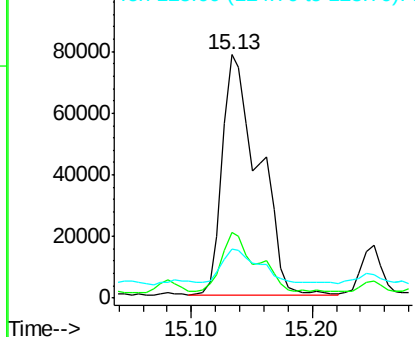


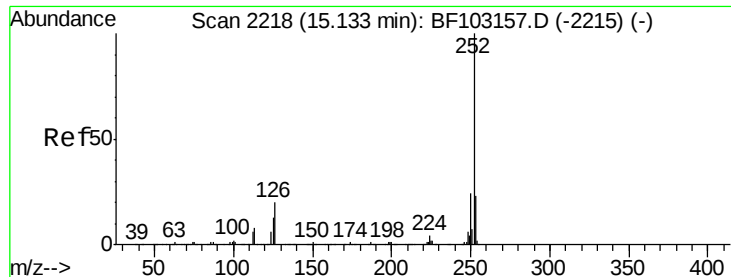
#87
Benzo(b)fluoranthene
Concen: 13.770 ng
RT: 15.13 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF103408.D
Acq: 5 Mar 2018 14:37

Tgt Ion:252 Resp: 161660
Ion Ratio Lower Upper
252 100
253 27.0 17.0 25.6#
125 20.4 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

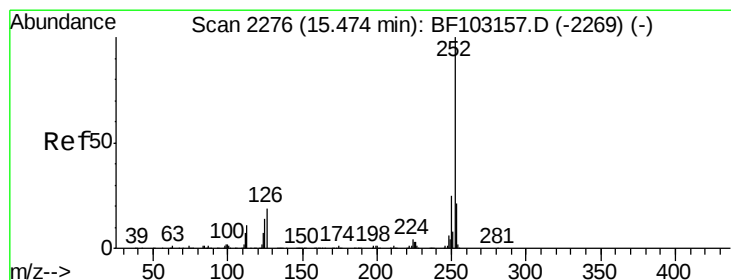
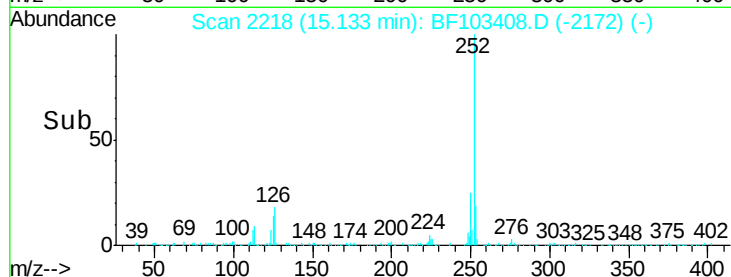
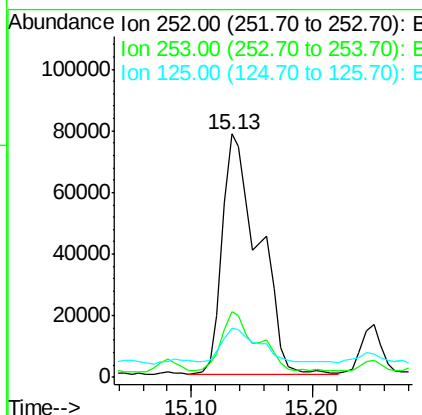
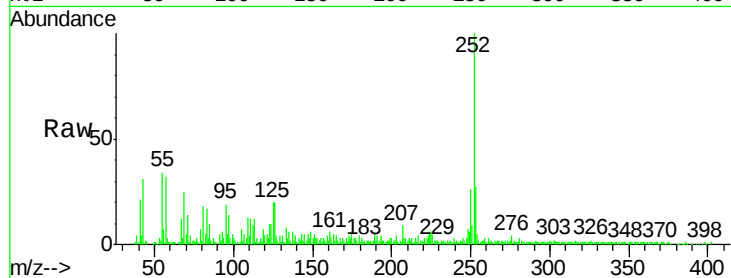




#88
Benzo(k)fluoranthene
Concen: 14.623 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF103408.D
Acq: 5 Mar 2018 14:37

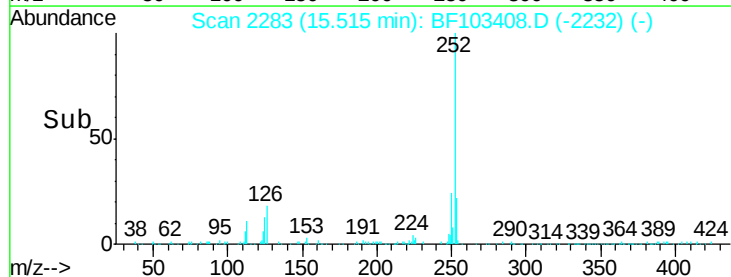
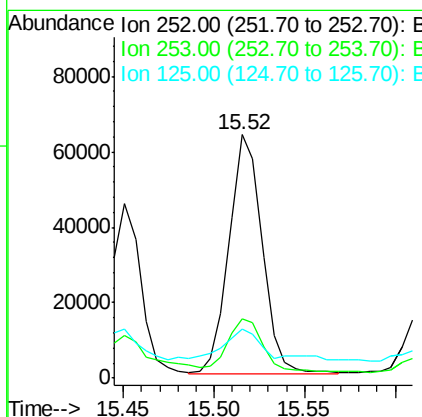
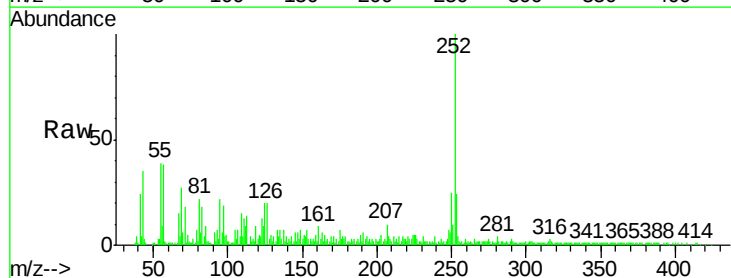
Instrument :
BNA_F
ClientSampleId :

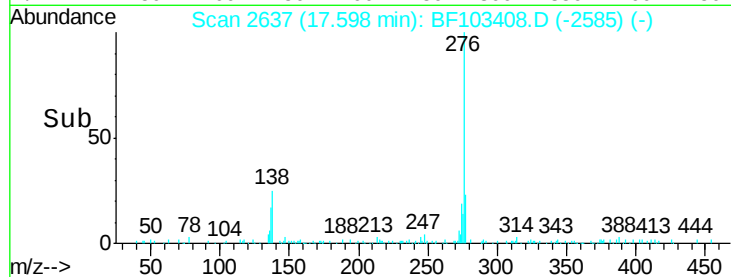
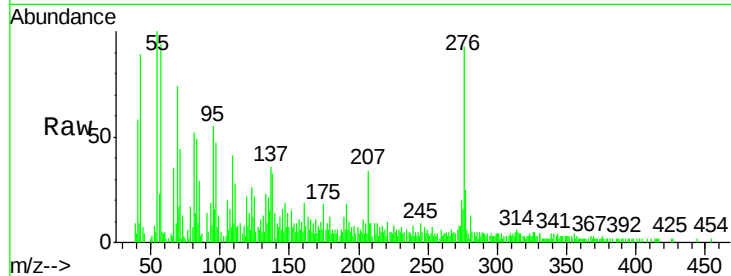
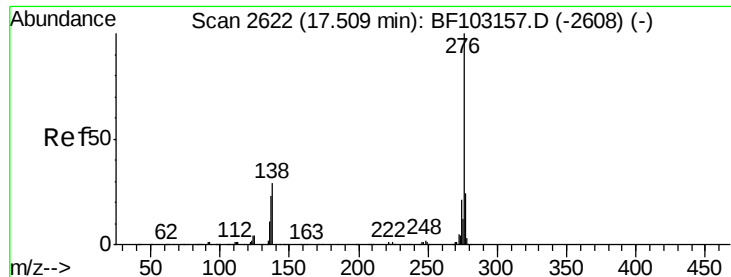
Tot Ion:252 Resp: 161660
Ion Ratio Lower Upper
252 100
253 27.0 17.9 26.9#
125 20.4 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 7.812 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BF103408.D
Acq: 5 Mar 2018 14:37

Tgt Ion:252 Resp: 81893
Ion Ratio Lower Upper
252 100
253 24.4 17.1 25.7
125 20.3 9.8 14.6#





#91

Benzo(a,h,i)perylene

Concen: 4.884 ng

RT: 17.60 min Scan# 2637

Delta R.T. 0.01 min

Lab File: BF103408.D

Acq: 5 Mar 2018 14:37

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 38670

Ion Ratio Lower Upper

276 100

277 27.1 17.9 26.9#

138 35.3 21.8 32.8#

