

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030618\
 Data File : BF103456.D
 Acq On : 6 Mar 2018 15:24
 Operator : SJ/JU
 Sample : J1792-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 06 16:22:42 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	131018	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	576896	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	232282	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	342111	20.00	ng	0.00
75) Chrysene-d12	14.06	240	241109	20.00	ng	0.00
86) Perylene-d12	15.58	264	198198	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	587246	67.79	ng	0.00
7) Phenol-d6	6.51	99	835035	78.78	ng	0.00
23) Nitrobenzene-d5	7.44	82	501745	49.67	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	129640	65.94	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	839296	57.49	ng	0.00
78) Terphenyl-d14	12.99	244	560124	55.84	ng	0.00

Target Compounds

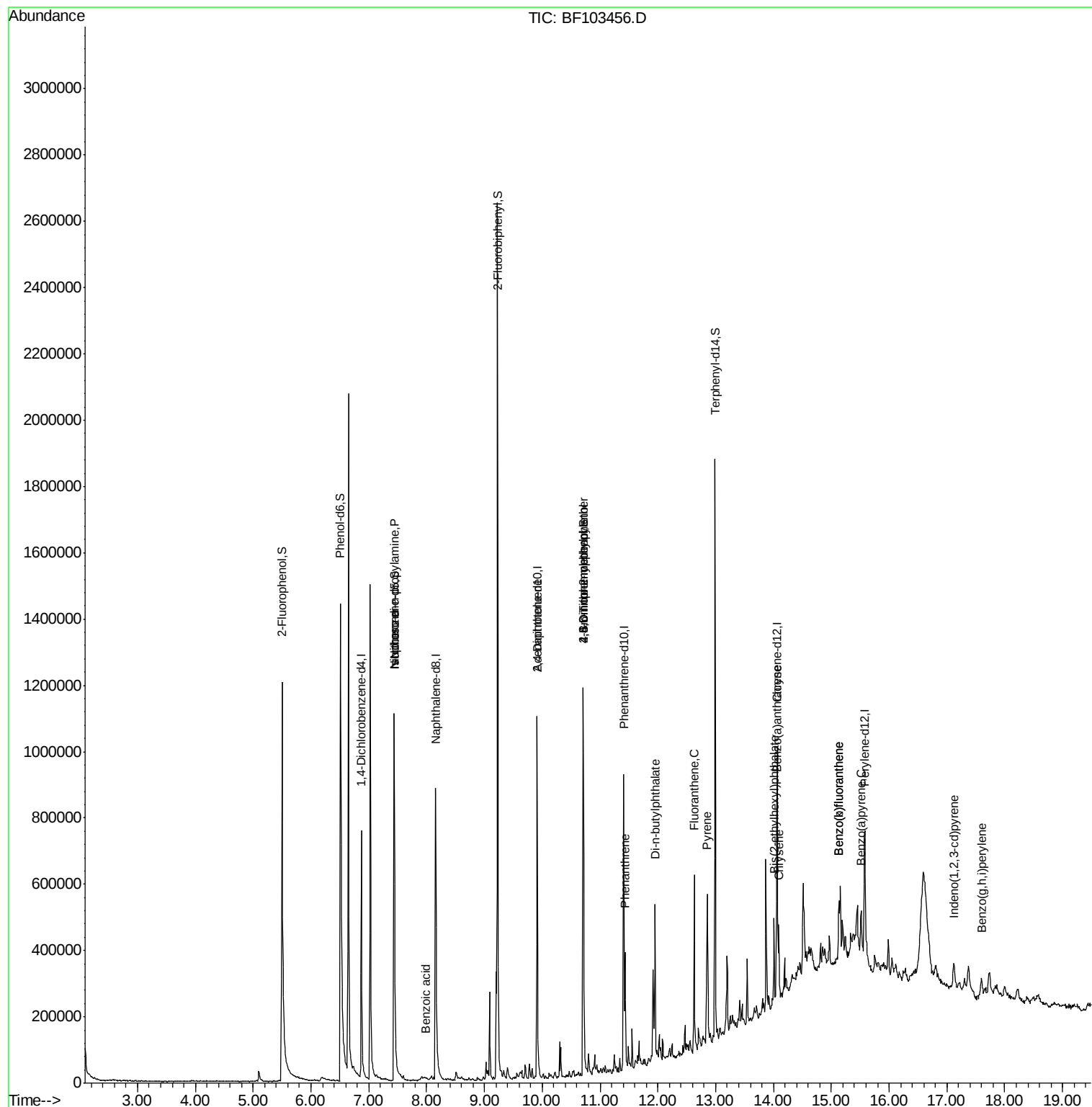
						Qvalue
9) Benzaldehyde	6.45	77	791	Below Cal	#	43
19) n-Nitroso-di-n-propylamine	7.44	70	65786	9.972 ng	#	80
25) Isophorone	7.44	82	501745	25.219 ng	#	64
32) Benzoic acid	7.98	122	2056	7.210 ng		88
56) 2,4-Dinitrotoluene	9.91	165	29371	5.939 ng	#	24
64) 4,6-Dinitro-2-methylphenol	10.71	198	315	5.081 ng	#	1
66) 4-Bromophenyl-phenylether	10.71	248	9164	2.571 ng	#	1
70) Phenanthrene	11.43	178	114010	6.056 ng		99
73) Di-n-butylphthalate	11.95	149	195487	8.126 ng		99
74) Fluoranthene	12.63	202	212358	11.224 ng		99
77) Pyrene	12.86	202	188527	10.029 ng		99
80) Benzo(a)anthracene	14.05	228	85463	5.463 ng		97
82) Chrysene	14.09	228	86162	5.672 ng		97
83) Bis(2-ethylhexyl)phthalate	14.01	149	63382	4.729 ng	#	99
85) Indeno(1,2,3-cd)pyrene	17.13	276	40804	3.393 ng		95
87) Benzo(b)fluoranthene	15.13	252	142316	10.921 ng	#	93
88) Benzo(k)fluoranthene	15.13	252	142316	11.598 ng	#	95
89) Benzo(a)pyrene	15.52	252	70426	6.052 ng	#	92
91) Benzo(a,h,i)perylene	17.60	276	44954	5.115 ng	#	89

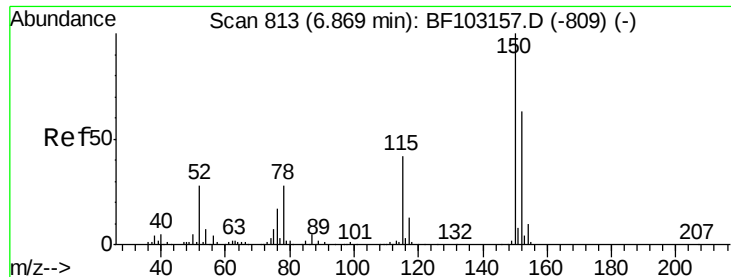
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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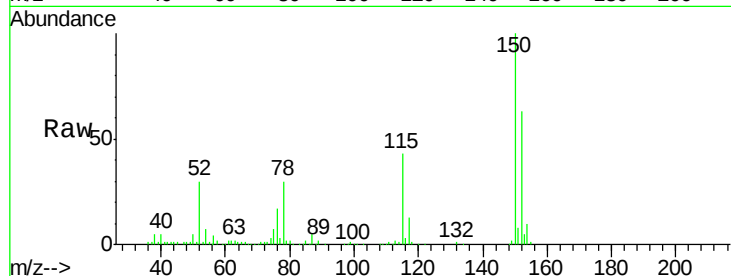


#1

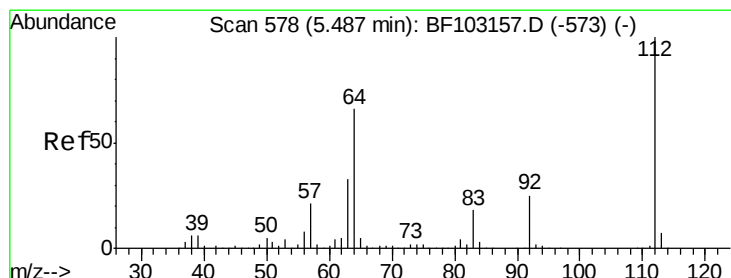
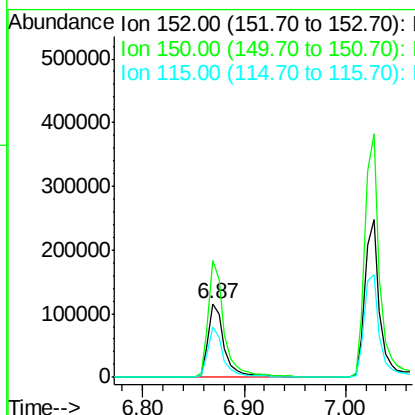
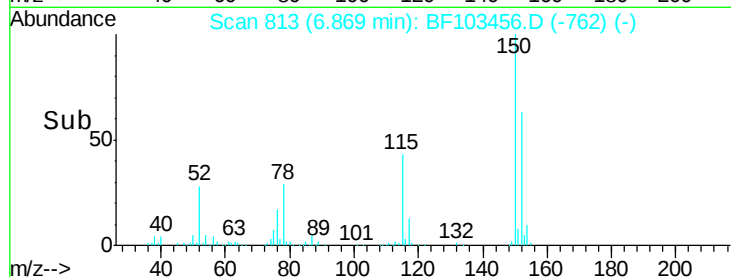
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103456.D
Acq: 6 Mar 2018 15:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 131018
Ion Ratio Lower Upper
152 100
150 159.0 124.6 186.8
115 68.1 50.1 75.1



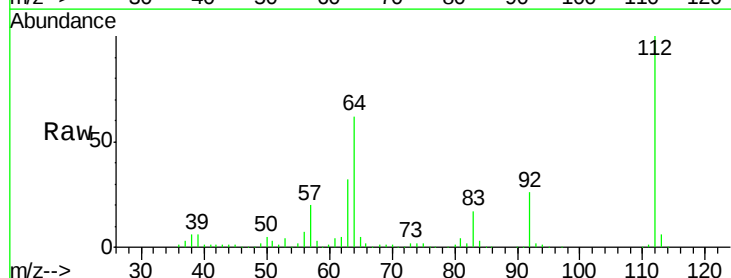
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



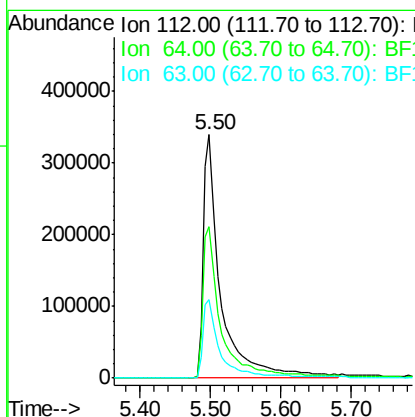
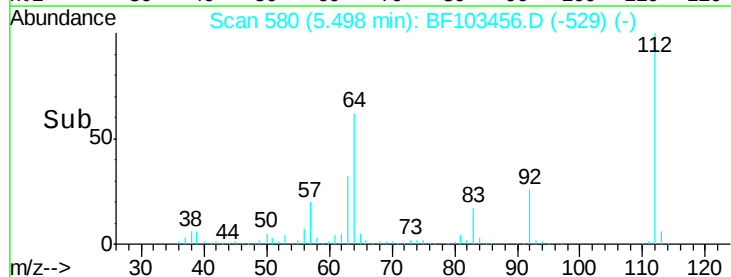
#5

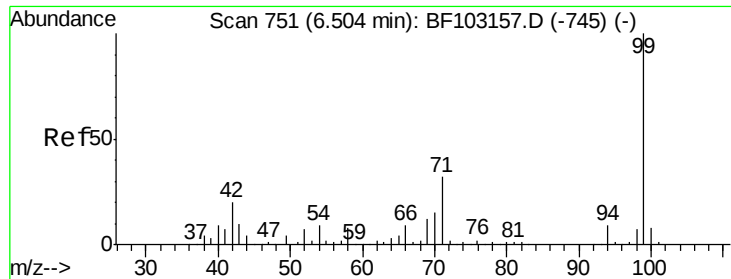
2-Fluorophenol
Concen: 67.790 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF103456.D
Acq: 6 Mar 2018 15:24

Tgt Ion:112 Resp: 587246
Ion Ratio Lower Upper
112 100
64 62.1 47.9 71.9
63 32.5 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: 78.776 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103456.D

Acq: 6 Mar 2018 15:24

Instrument :

BNA_F

ClientSampleId :

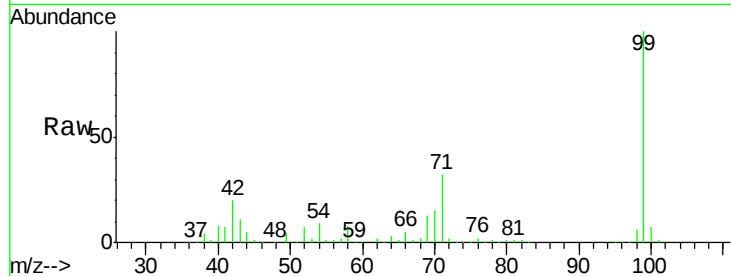
Tot Ion: 99 Resp: 835035

Ion Ratio Lower Upper

99 100

42 20.1 14.5 21.7

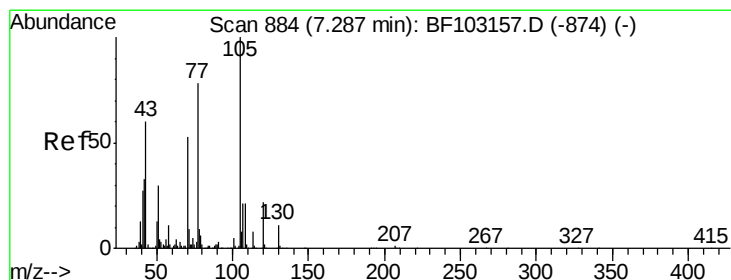
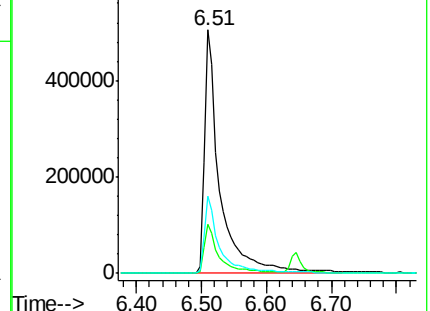
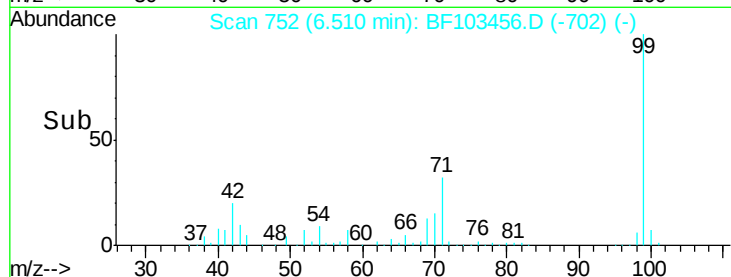
71 31.6 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 9.972 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103456.D

Acq: 6 Mar 2018 15:24

Tgt Ion: 70 Resp: 65786

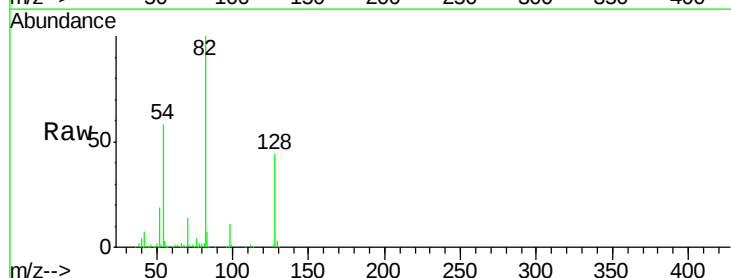
Ion Ratio Lower Upper

70 100

42 50.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

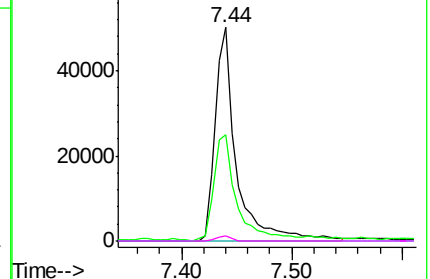
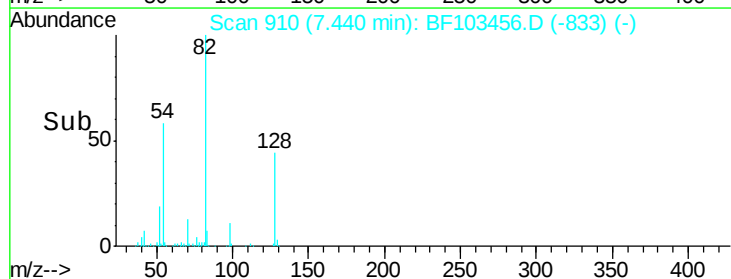


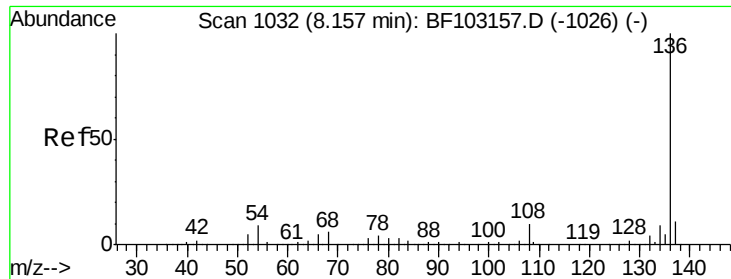
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

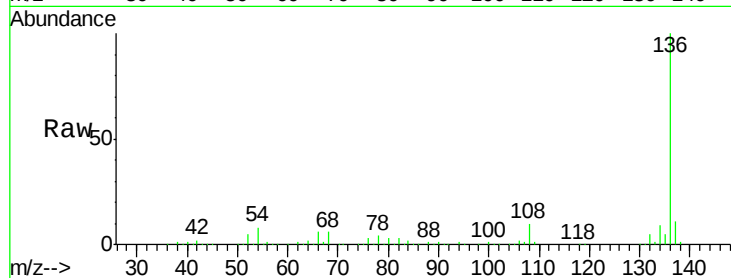




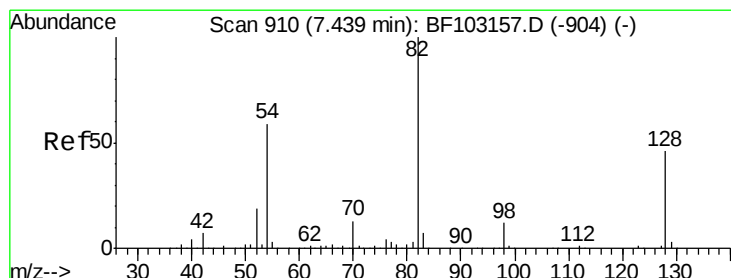
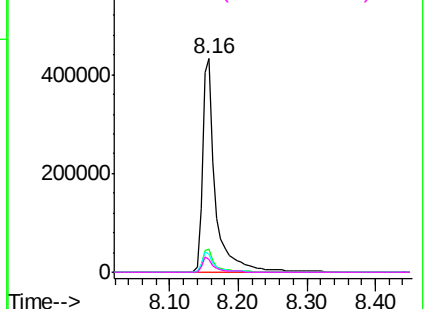
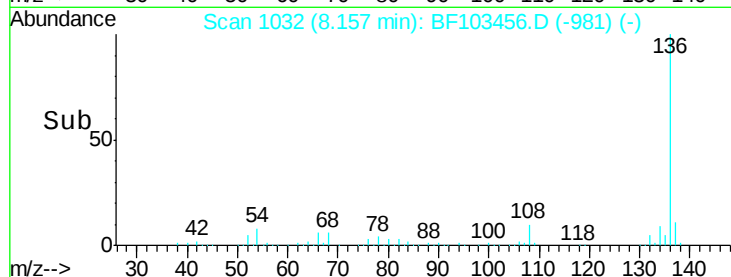
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF103456.D
Acq: 6 Mar 2018 15:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	576896
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.9 13.3
54	8.2	6.6 9.8
68	6.1	5.0 7.4

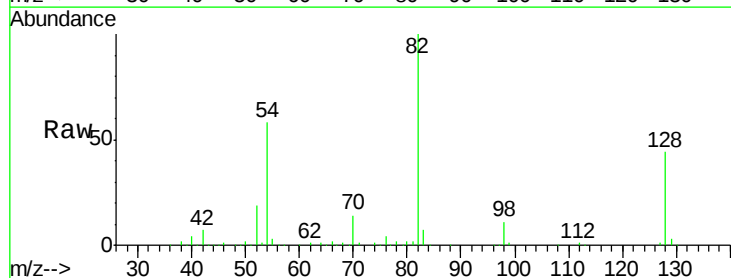


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

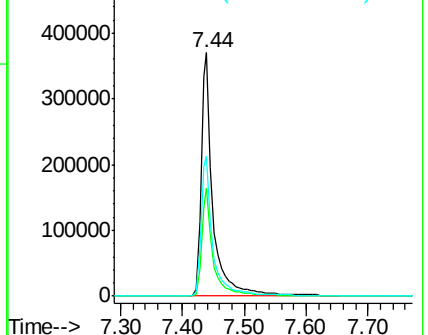
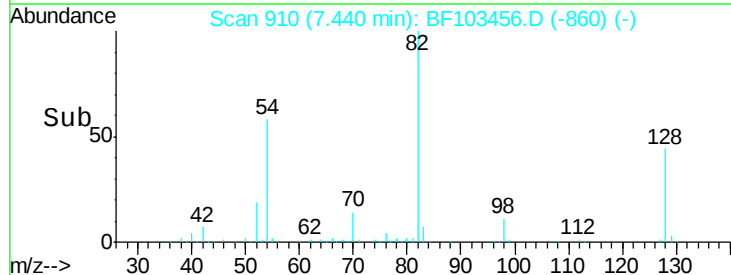


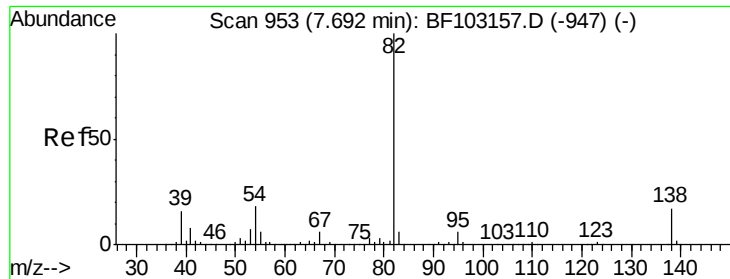
#23
Nitrobenzene-d5
Concen: 49.669 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103456.D
Acq: 6 Mar 2018 15:24

Tgt Ion: 82	Resp:	501745
Ion	Ratio	Lower Upper
82	100	
128	44.3	36.1 54.1
54	57.6	41.4 62.2



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





#25

Isophorone

Concen: 25.219 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.25 min

Lab File: BF103456.D

Acq: 6 Mar 2018 15:24

Instrument :

BNA_F

ClientSampled :

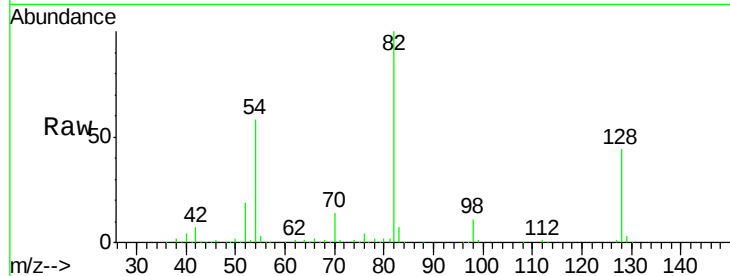
Tot Ion: 82 Resp: 501745

Ion Ratio Lower Upper

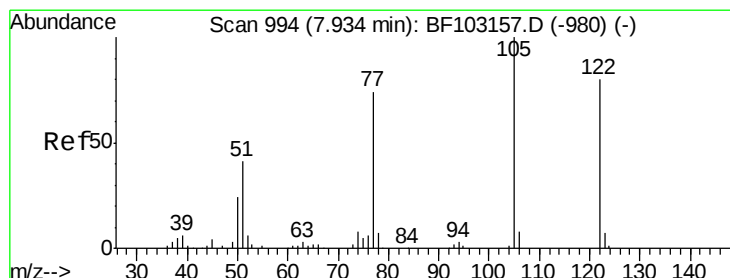
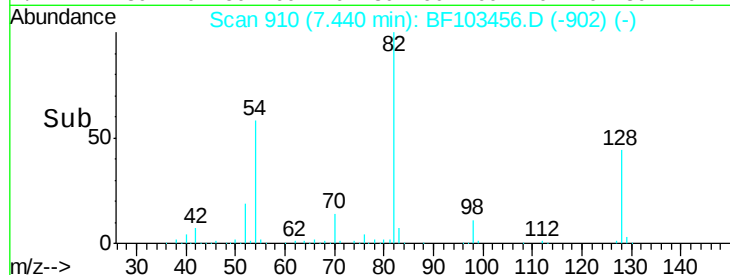
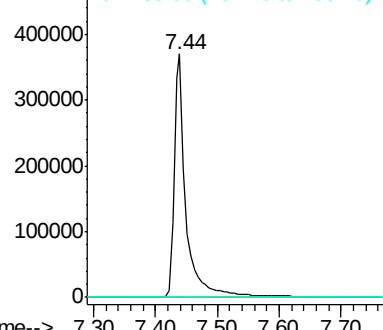
82 100

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



#32

Benzoic acid

Concen: 7.210 ng

RT: 7.98 min Scan# 1002

Delta R.T. 0.02 min

Lab File: BF103456.D

Acq: 6 Mar 2018 15:24

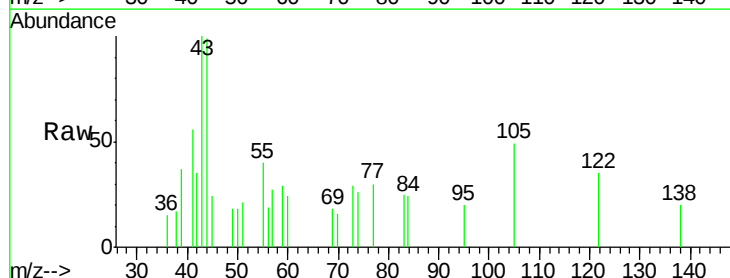
Tgt Ion: 122 Resp: 2056

Ion Ratio Lower Upper

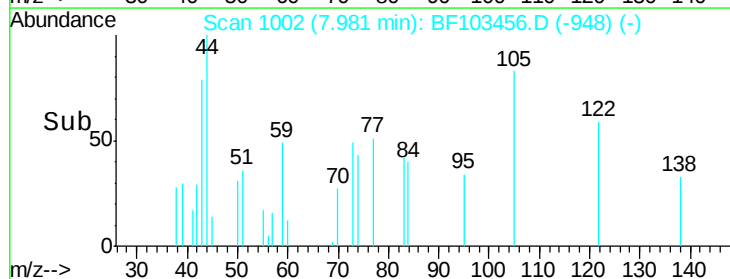
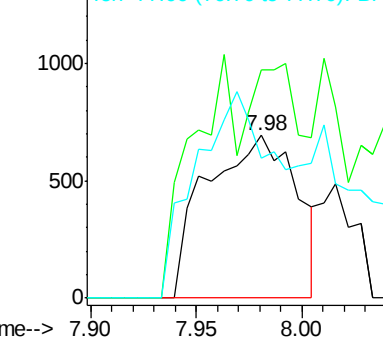
122 100

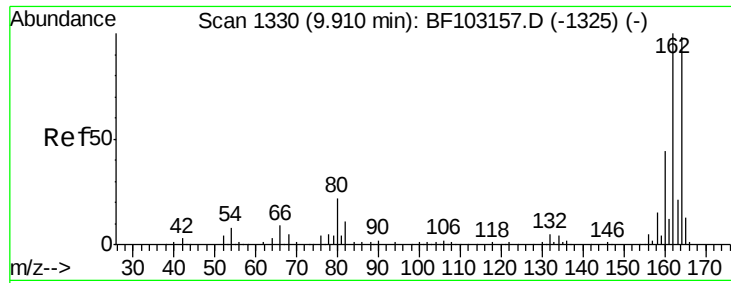
105 140.3 101.1 141.1

77 86.4 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

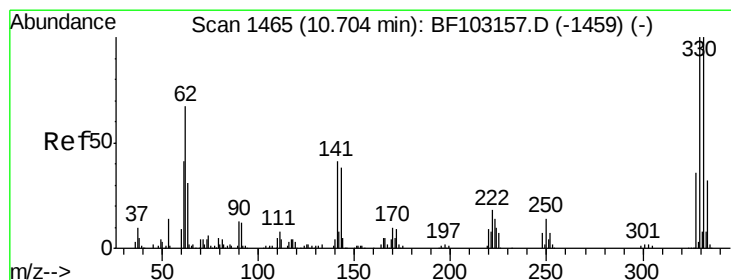
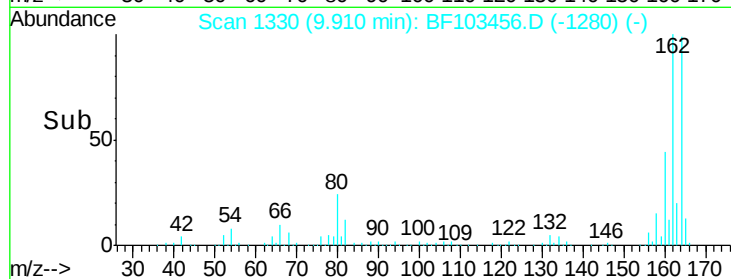
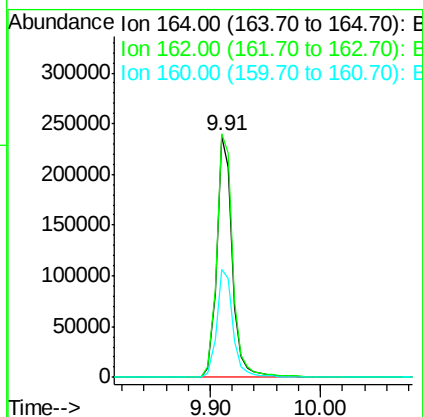
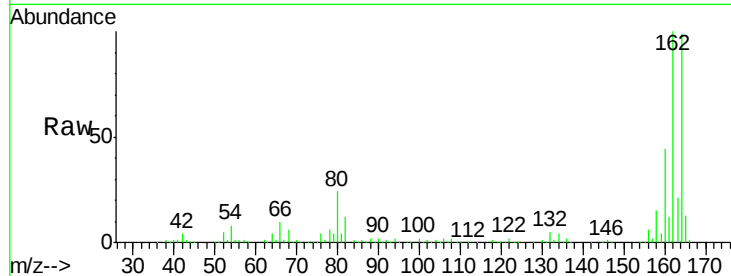




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF103456.D
 Acq: 6 Mar 2018 15:24

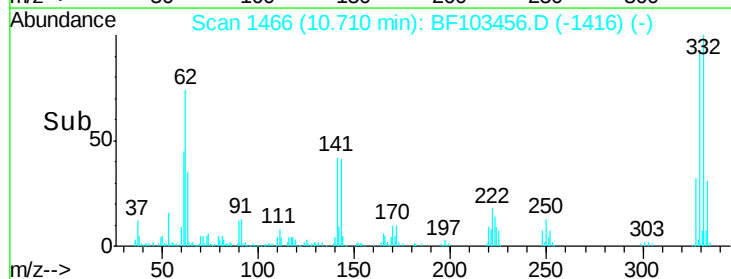
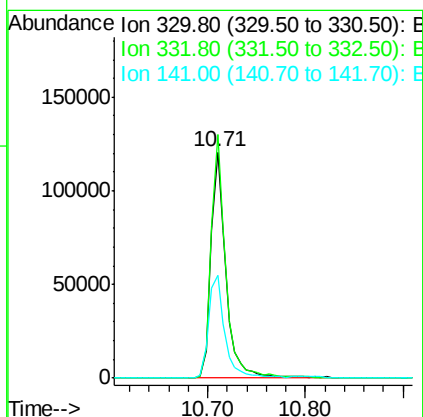
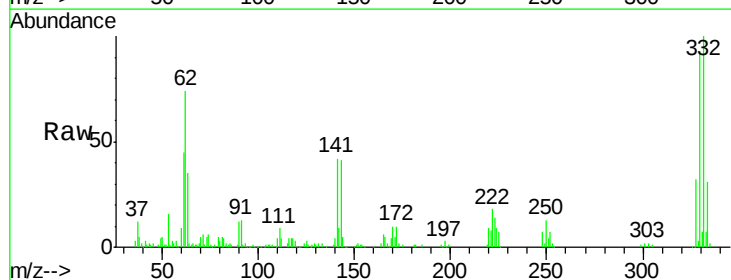
Instrument :
 BNA_F
 ClientSampleId :

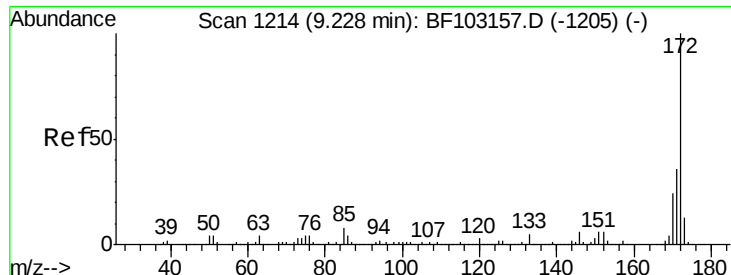
Tot Ion:164 Resp: 232282
 Ion Ratio Lower Upper
 164 100
 162 100.8 86.1 129.1
 160 44.6 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 65.936 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103456.D
 Acq: 6 Mar 2018 15:24

Tgt Ion:330 Resp: 129640
 Ion Ratio Lower Upper
 330 100
 332 104.4 77.0 115.6
 141 49.3 29.9 44.9#

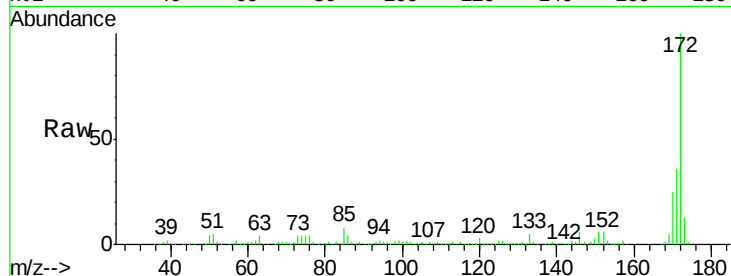




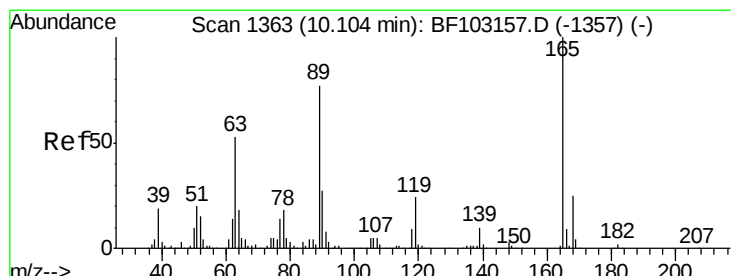
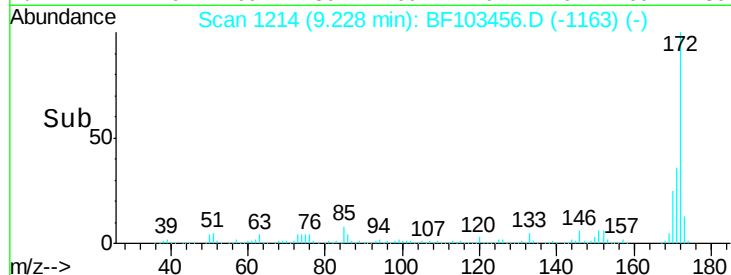
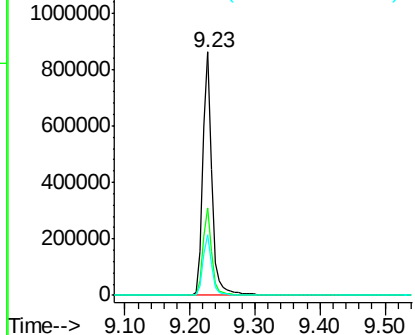
#44
 2-Fluorobiphenyl
 Concen: 57.490 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103456.D
 Acq: 6 Mar 2018 15:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.6	19.6	29.4



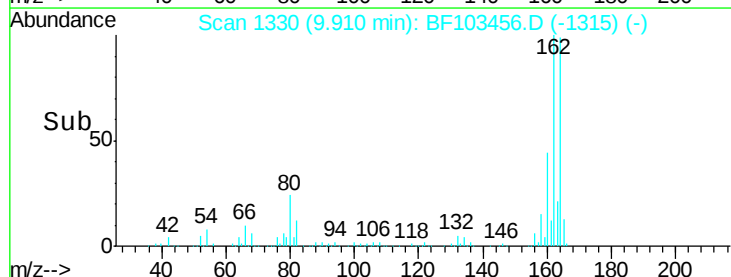
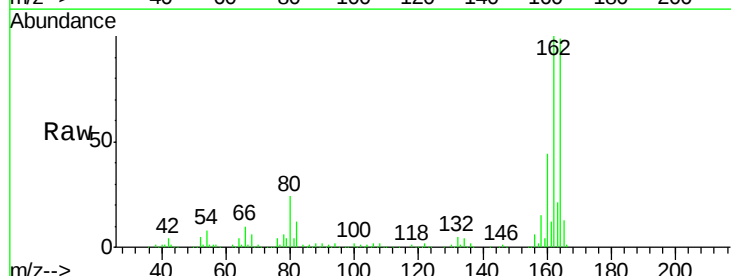
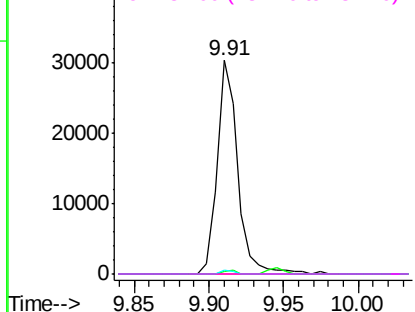
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

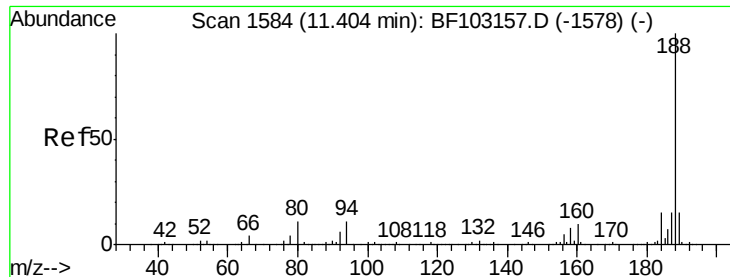


#56
 2,4-Dinitrotoluene
 Concen: 5.939 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.21 min
 Lab File: BF103456.D
 Acq: 6 Mar 2018 15:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	2.1	57.8	86.6#
182	0.0	1.6	2.4#

Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF103456.D

Acq: 6 Mar 2018 15:24

Instrument :

BNA_F

ClientSampleId :

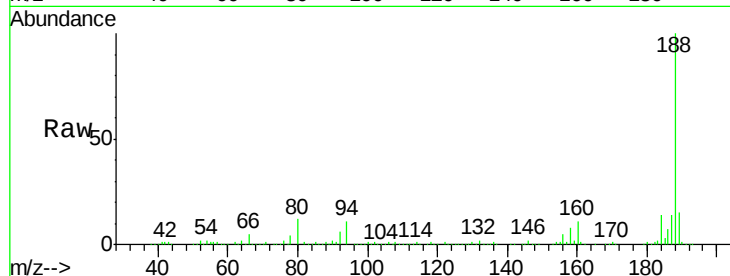
Tot Ion:188 Resp: 342111

Ion Ratio Lower Upper

188 100

94 10.9 8.5 12.7

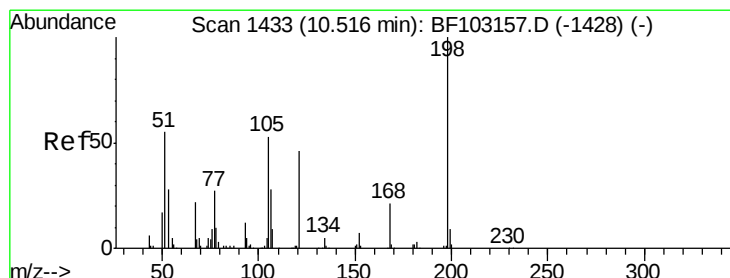
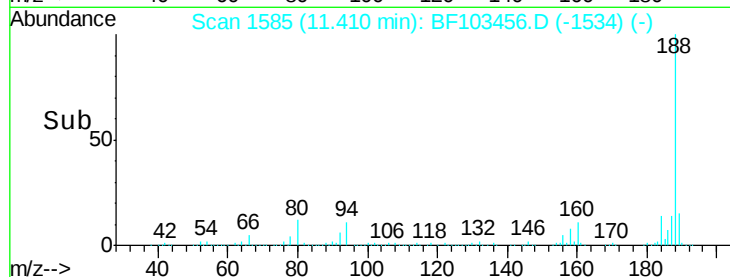
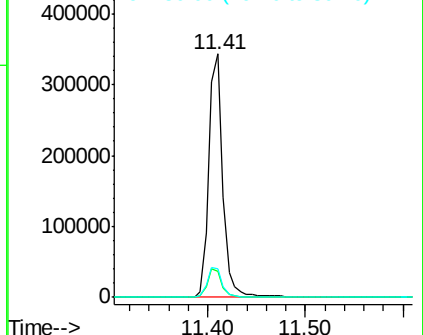
80 11.9 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 5.081 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.18 min

Lab File: BF103456.D

Acq: 6 Mar 2018 15:24

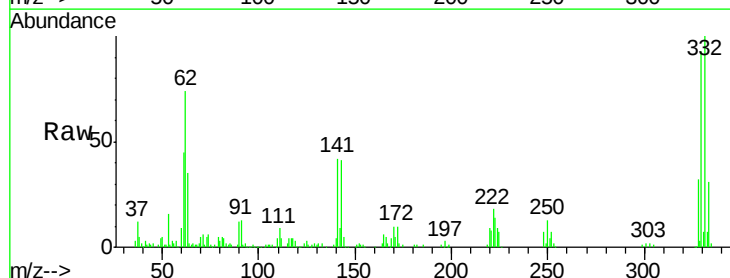
Tgt Ion:198 Resp: 315

Ion Ratio Lower Upper

198 100

51 208.2 37.7 77.7#

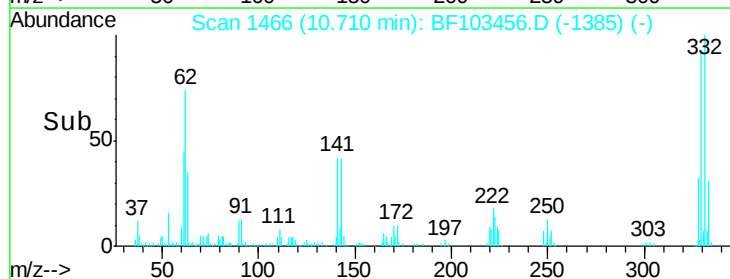
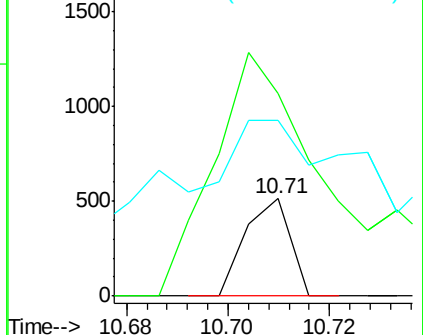
105 180.9 36.3 76.3#

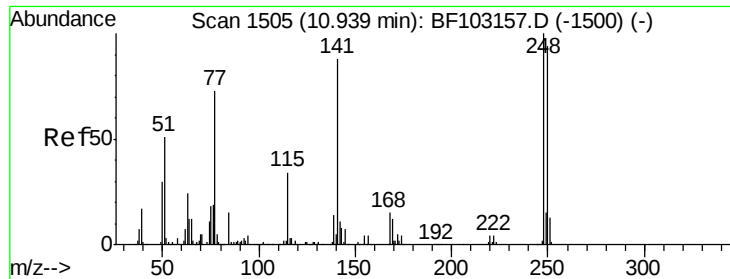


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

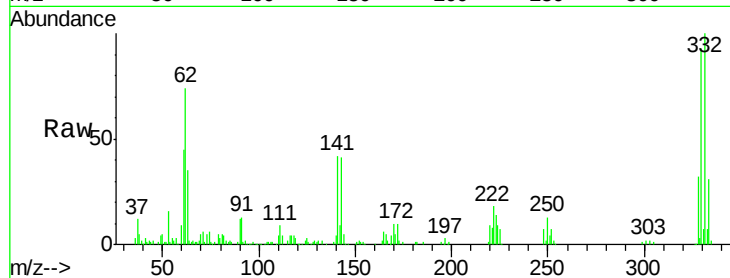




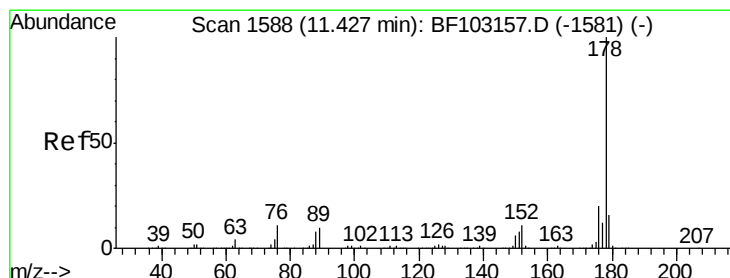
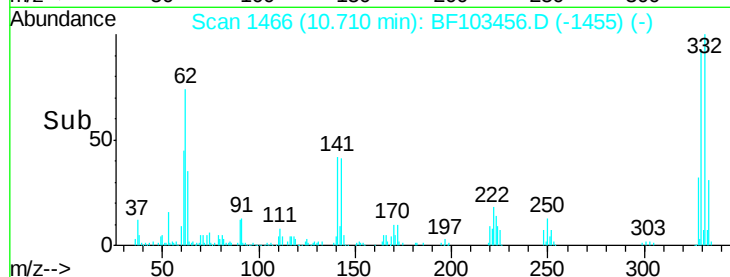
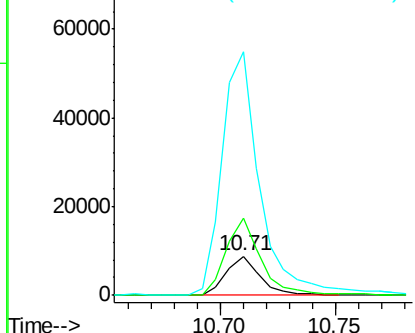
#66
4-Bromophenyl-phenylether
Concen: 2.571 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103456.D
Acq: 6 Mar 2018 15:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9164
Ion Ratio Lower Upper
248 100
250 196.9 76.9 115.3#
141 619.8 74.4 111.6#

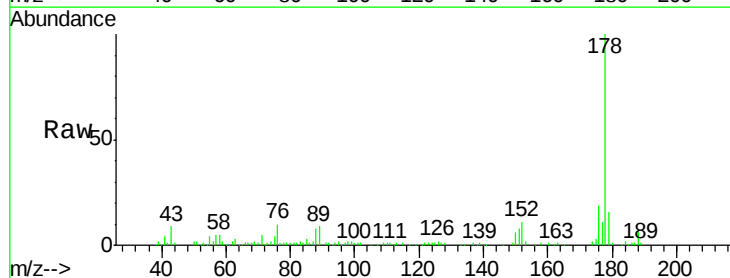


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

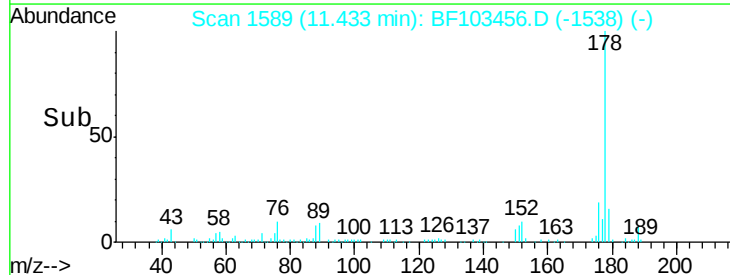
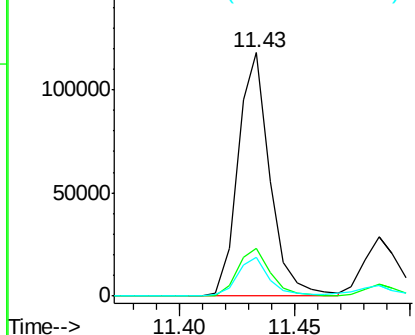


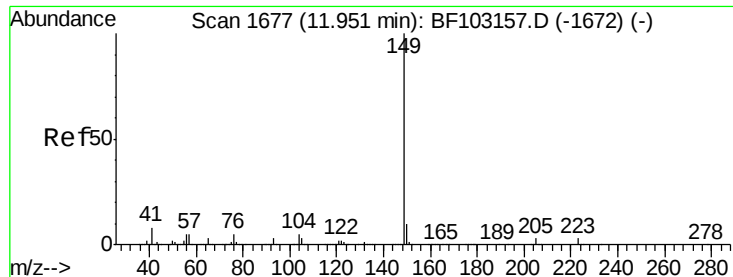
#70
Phenanthrene
Concen: 6.056 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF103456.D
Acq: 6 Mar 2018 15:24

Tgt Ion:178 Resp: 114010
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.7 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





#73

Di-n-butylphthalate

Concen: 8.126 ng

RT: 11.95 min Scan# 1677

Delta R.T. -0.01 min

Lab File: BF103456.D

Acq: 6 Mar 2018 15:24

Instrument :

BNA_F

ClientSampleId :

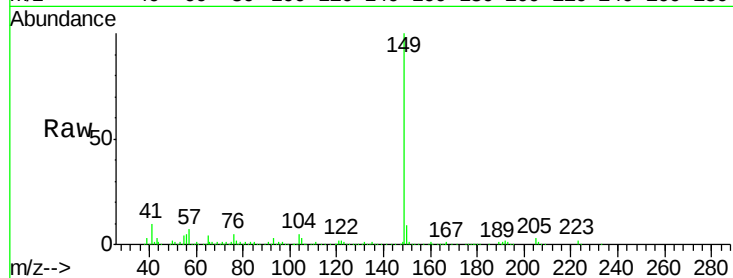
Tot Ion:149 Resp: 195487

Ion Ratio Lower Upper

149 100

150 9.3 7.8 11.6

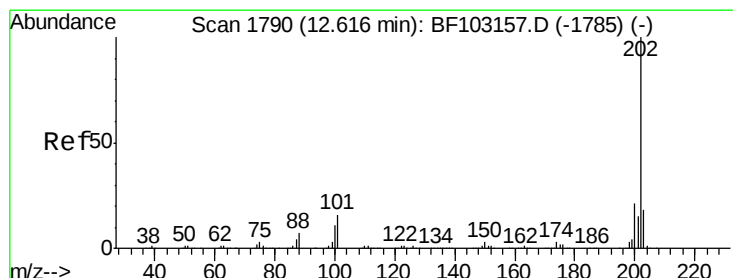
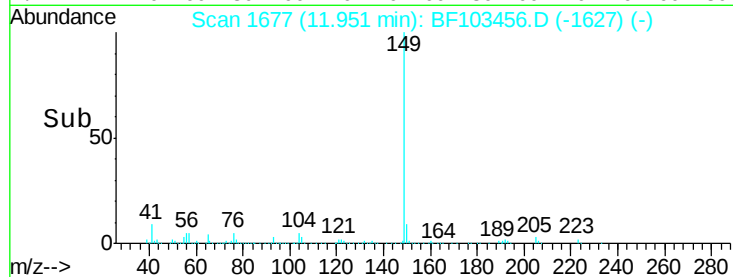
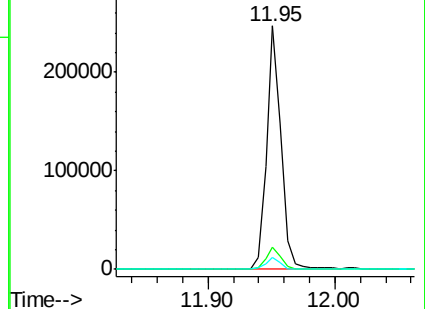
104 5.0 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 11.224 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF103456.D

Acq: 6 Mar 2018 15:24

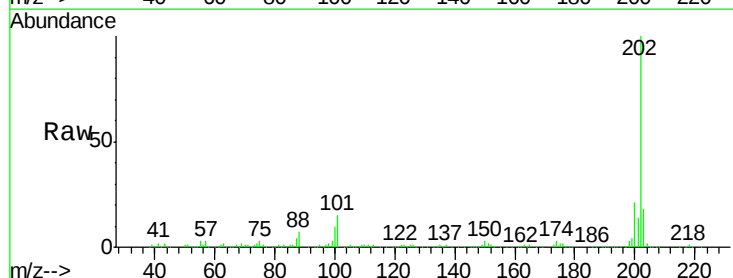
Tgt Ion:202 Resp: 212358

Ion Ratio Lower Upper

202 100

101 14.7 0.0 34.1

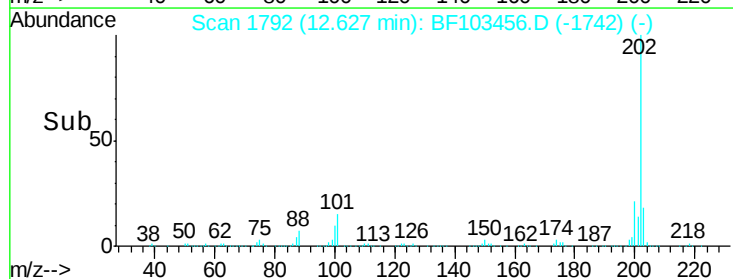
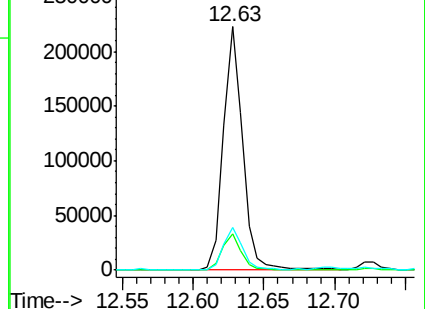
203 17.7 0.0 38.1

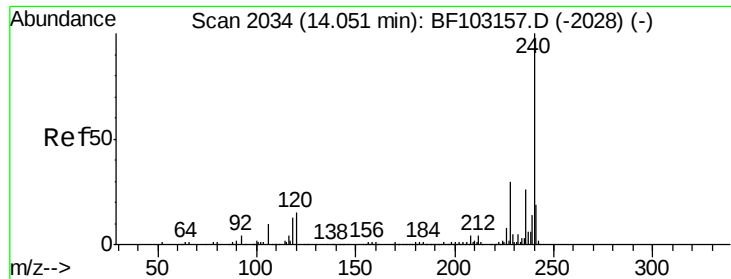


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF103456.D

Acq: 6 Mar 2018 15:24

Instrument :

BNA_F

ClientSampleId :

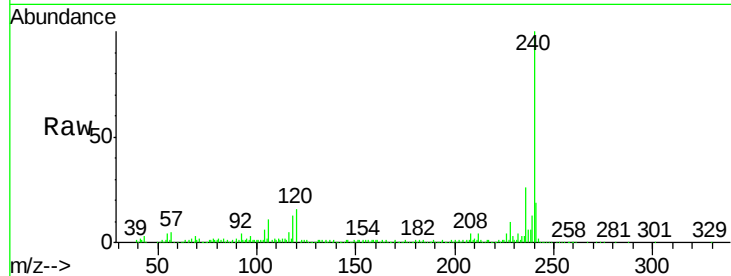
Tot Ion:240 Resp: 241109

Ion Ratio Lower Upper

240 100

120 16.0 9.5 14.3#

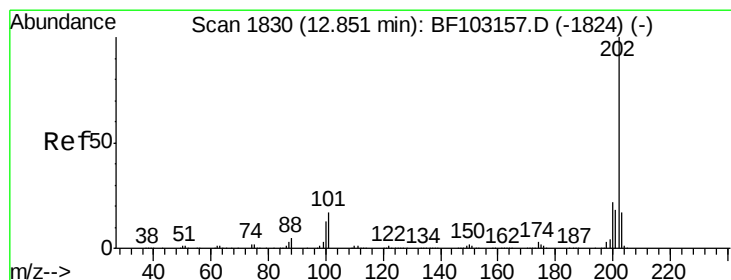
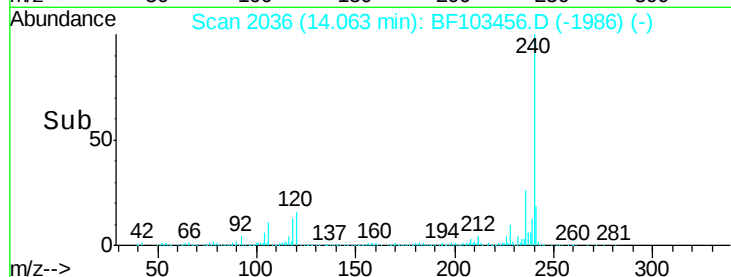
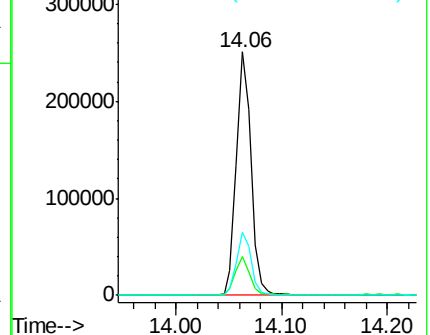
236 25.9 20.7 31.1



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: 10.029 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF103456.D

Acq: 6 Mar 2018 15:24

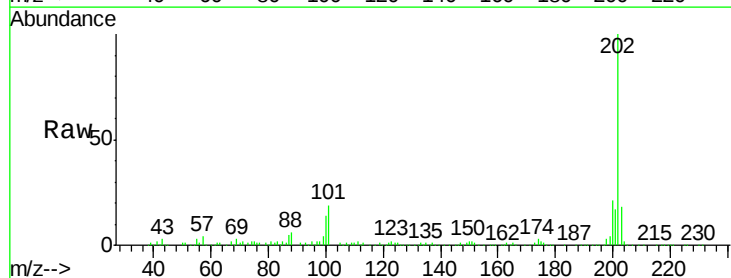
Tgt Ion:202 Resp: 188527

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

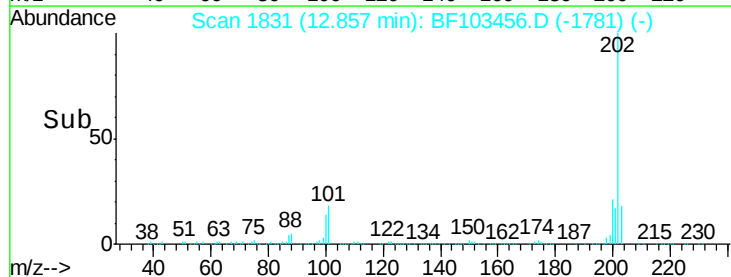
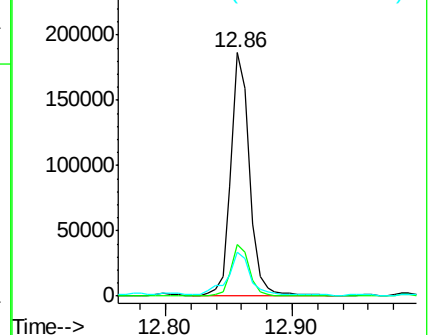
203 18.1 14.3 21.5

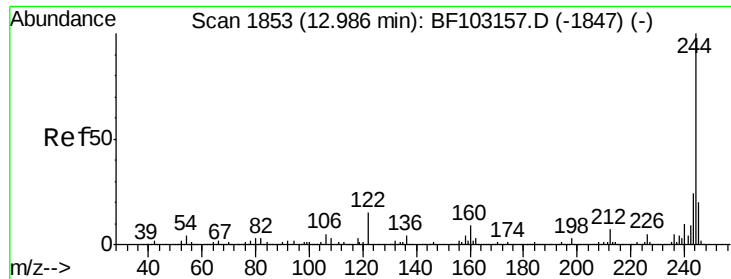


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 55.845 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF103456.D

Acq: 6 Mar 2018 15:24

Instrument :

BNA_F

ClientSampleId :

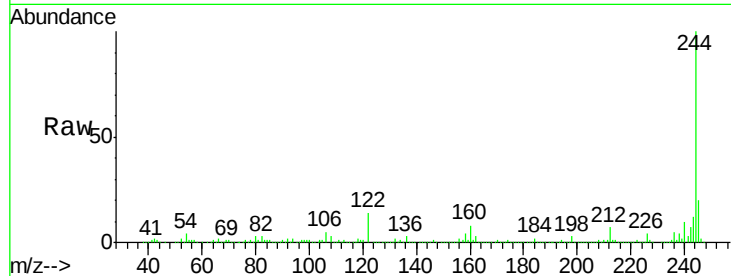
Tot Ion:244 Resp: 560124

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

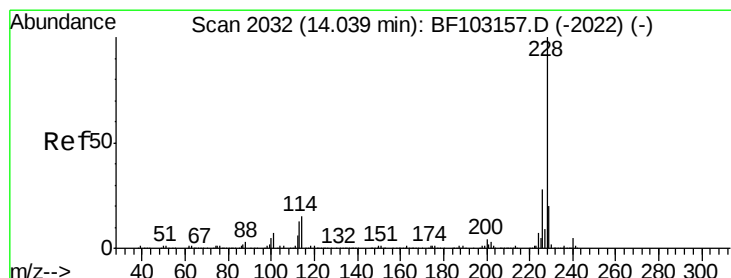
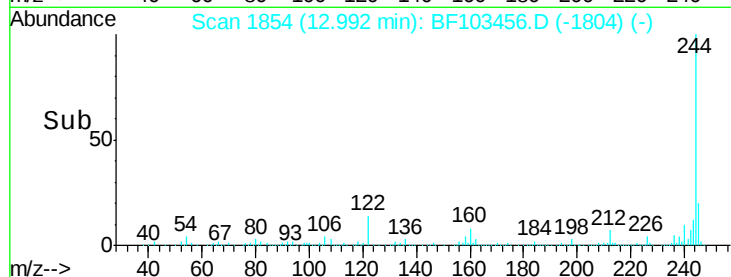
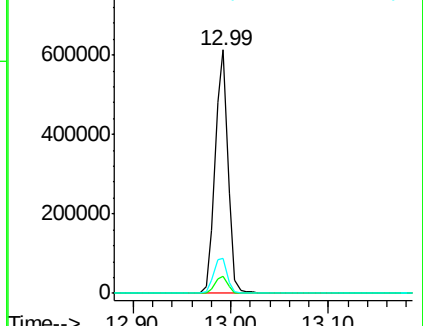
122 14.1 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 5.463 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103456.D

Acq: 6 Mar 2018 15:24

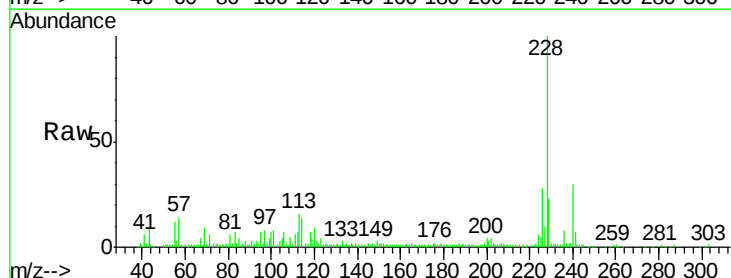
Tgt Ion:228 Resp: 85463

Ion Ratio Lower Upper

228 100

226 27.8 22.6 33.8

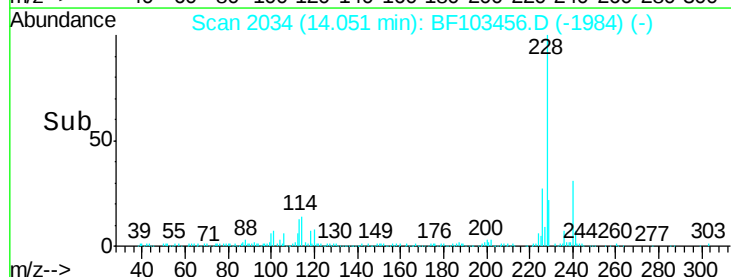
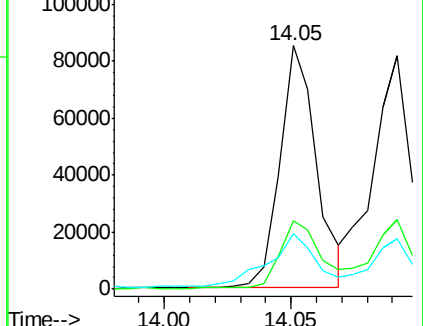
229 23.0 15.8 23.6

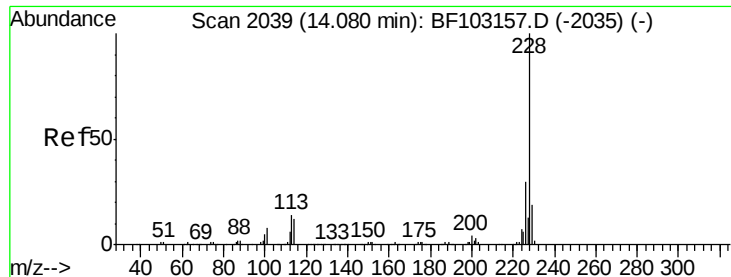


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

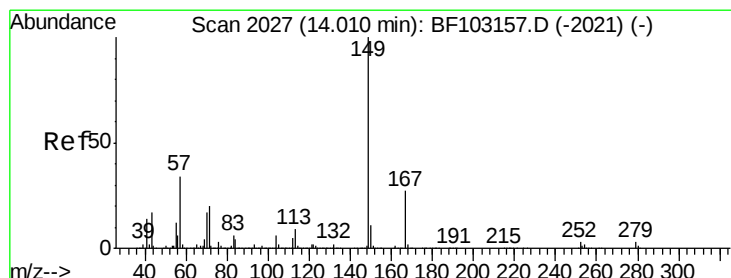
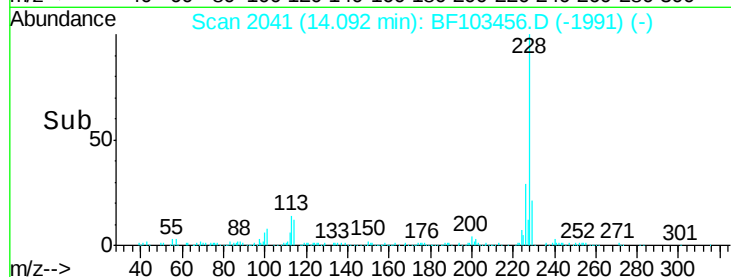
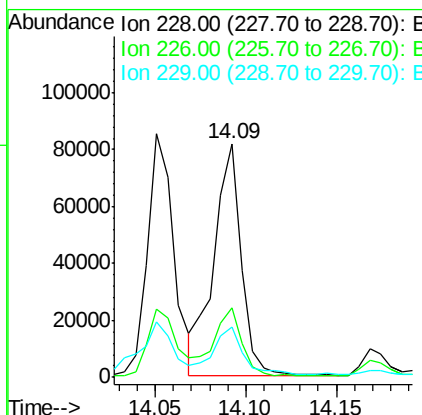
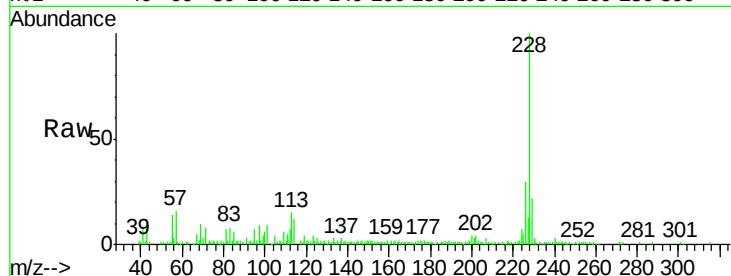




#82
 Chrysene
 Concen: 5.672 ng
 RT: 14.09 min Scan# 2041
 Delta R.T. -0.01 min
 Lab File: BF103456.D
 Acq: 6 Mar 2018 15:24

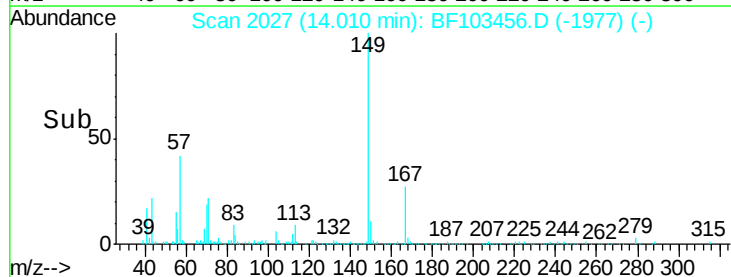
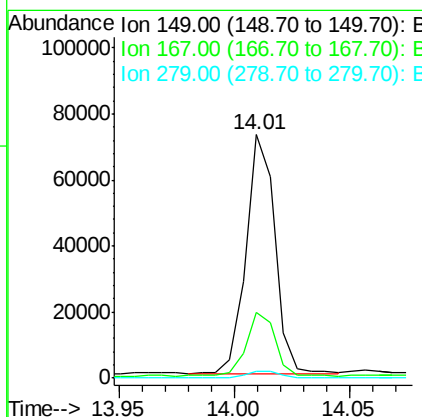
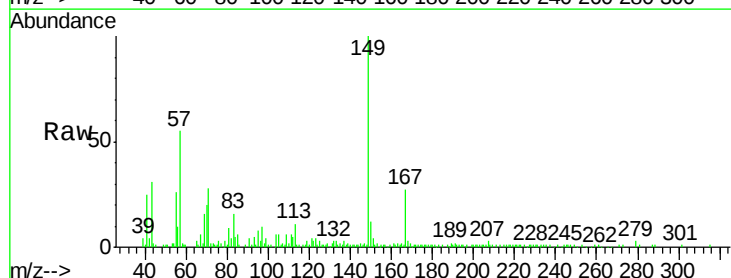
Instrument :
 BNA_F
 ClientSampleId :

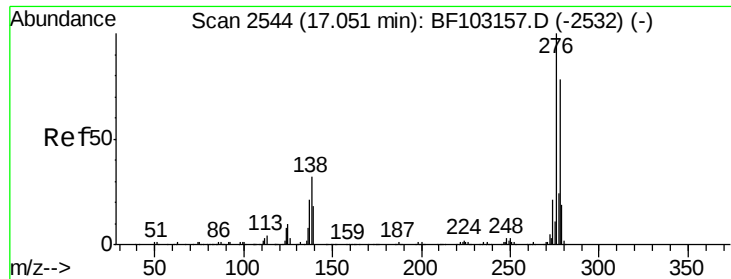
Tot Ion:228 Resp: 86162
 Ion Ratio Lower Upper
 228 100
 226 29.6 25.0 37.6
 229 21.8 16.2 24.4



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.729 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF103456.D
 Acq: 6 Mar 2018 15:24

Tgt Ion:149 Resp: 63382
 Ion Ratio Lower Upper
 149 100
 167 26.8 21.3 31.9
 279 2.7 3.0 4.4#

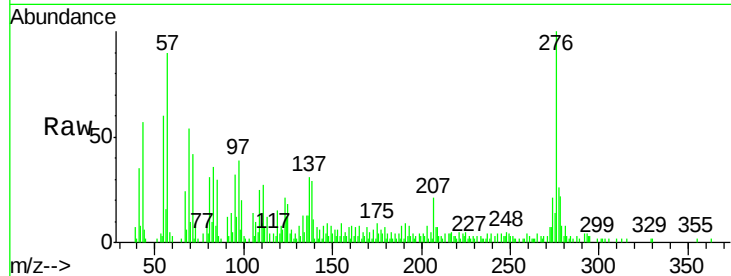




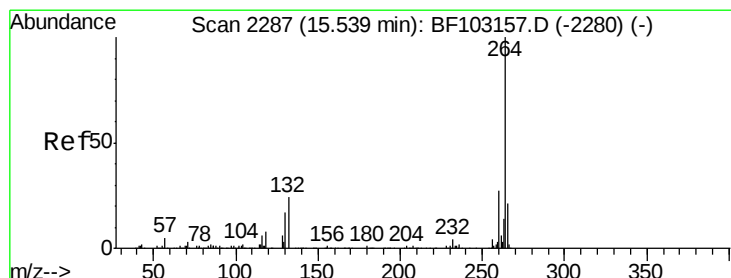
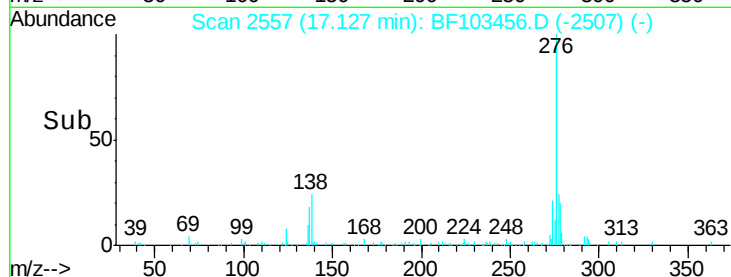
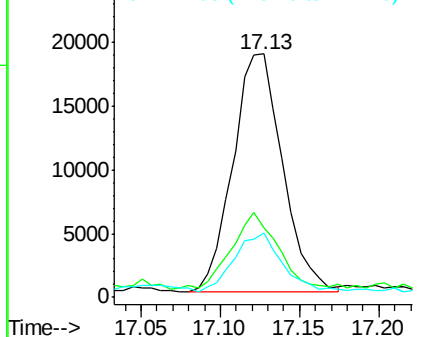
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.393 ng
RT: 17.13 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BF103456.D
Acq: 6 Mar 2018 15:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:276 Resp: 40804
Ion Ratio Lower Upper
276 100
138 28.1 25.0 37.6
277 23.6 20.1 30.1

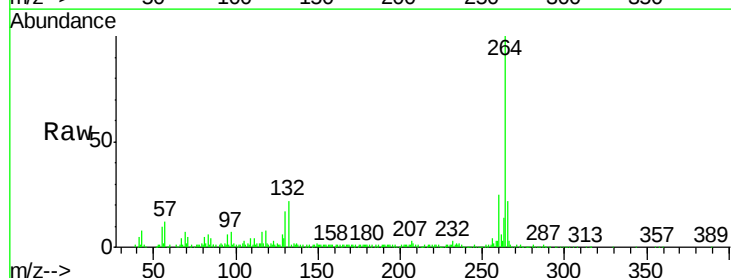


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

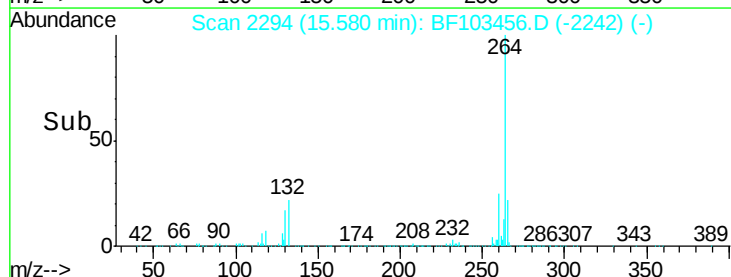
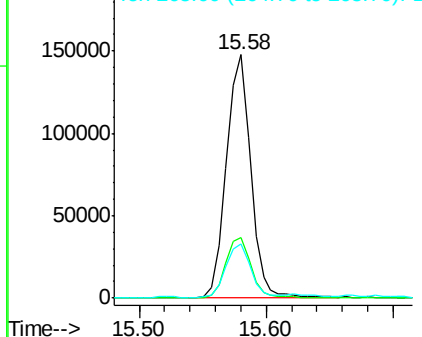


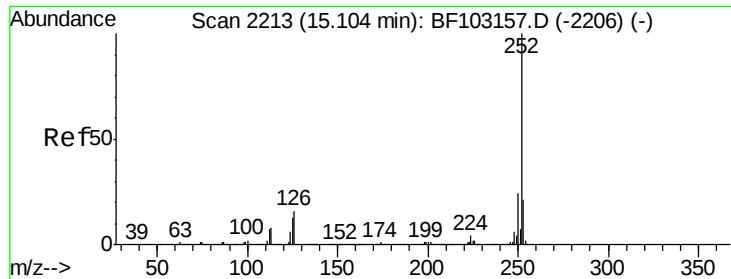
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF103456.D
Acq: 6 Mar 2018 15:24

Tgt Ion:264 Resp: 198198
Ion Ratio Lower Upper
264 100
260 24.8 19.2 28.8
265 22.2 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

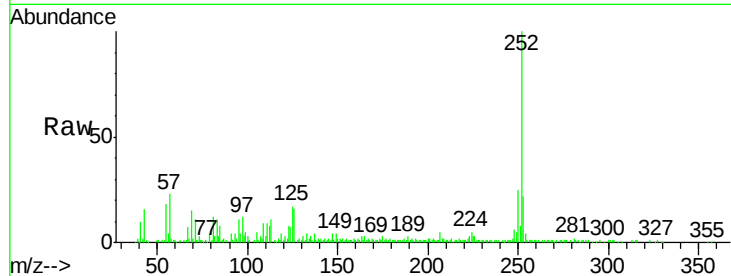




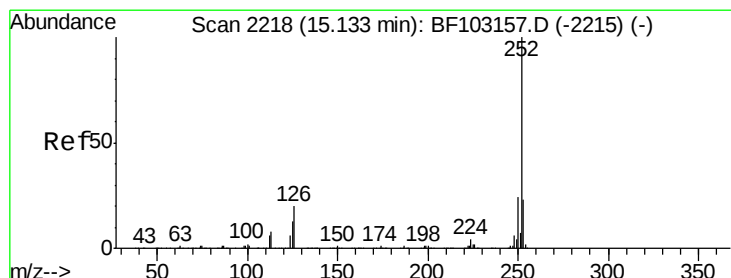
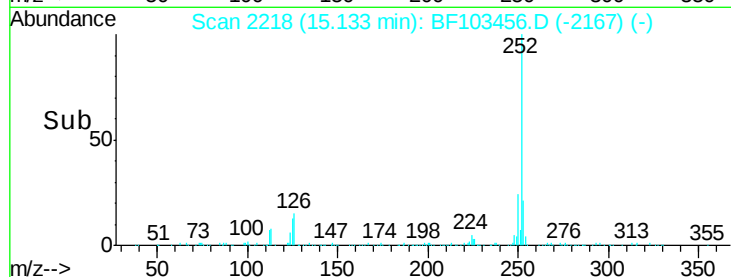
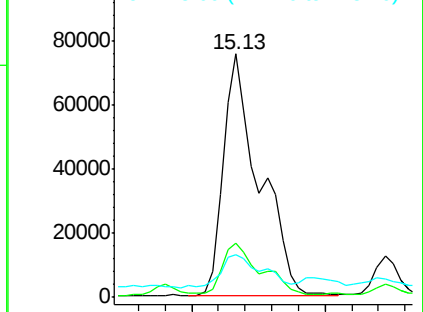
#87
Benzo(b)fluoranthene
Concen: 10.921 ng
RT: 15.13 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF103456.D
Acq: 6 Mar 2018 15:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 142316
Ion Ratio Lower Upper
252 100
253 22.0 17.0 25.6
125 17.5 9.0 13.6#

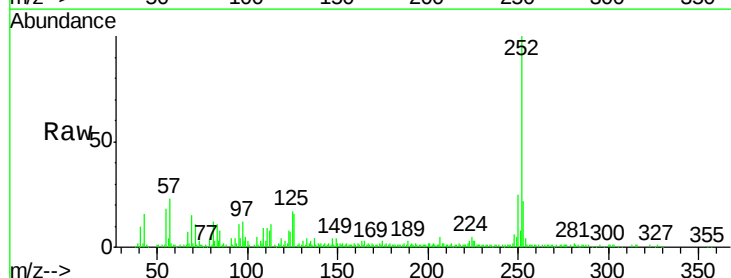


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

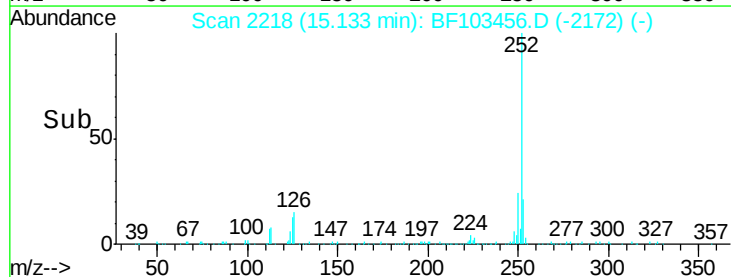
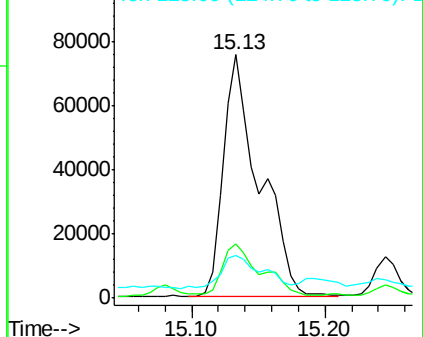


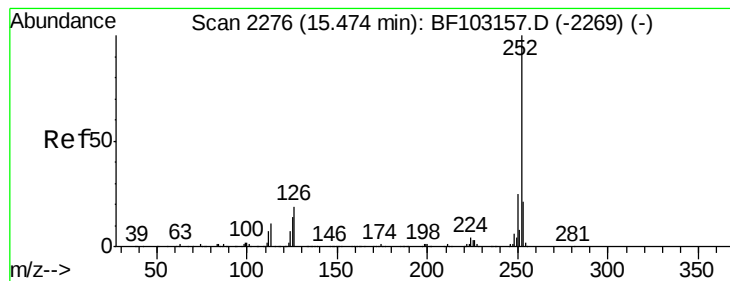
#88
Benzo(k)fluoranthene
Concen: 11.598 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF103456.D
Acq: 6 Mar 2018 15:24

Tgt Ion:252 Resp: 142316
Ion Ratio Lower Upper
252 100
253 22.0 17.9 26.9
125 17.5 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: 6.052 ng

RT: 15.52 min Scan# 2283

Delta R.T. 0.00 min

Lab File: BF103456.D

Acq: 6 Mar 2018 15:24

Instrument :

BNA_F

ClientSampleId :

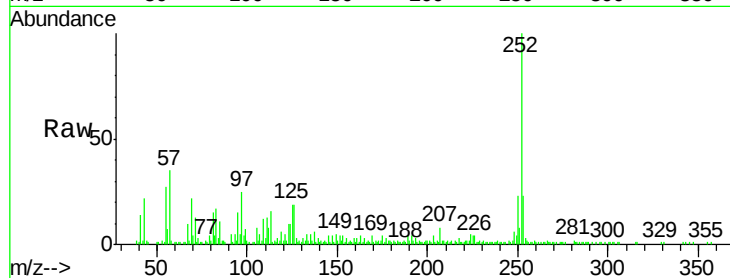
Tot Ion:252 Resp: 70426

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

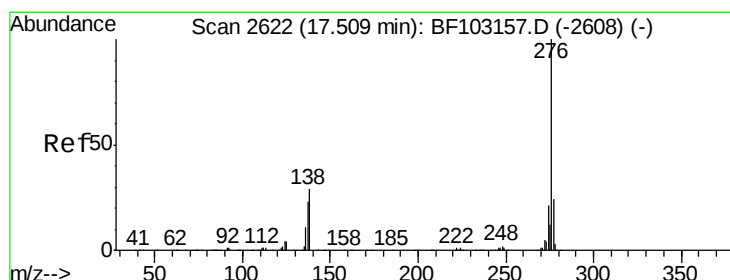
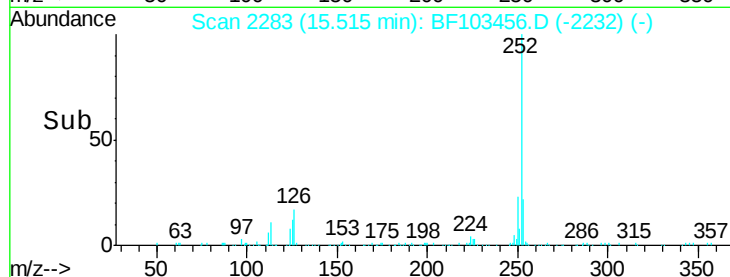
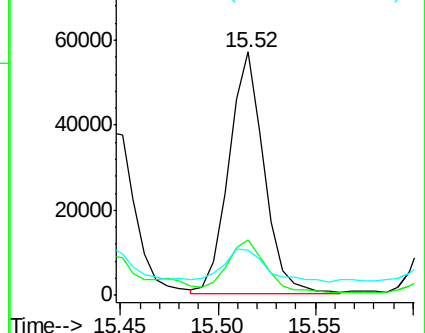
125 18.7 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 5.115 ng

RT: 17.60 min Scan# 2637

Delta R.T. 0.00 min

Lab File: BF103456.D

Acq: 6 Mar 2018 15:24

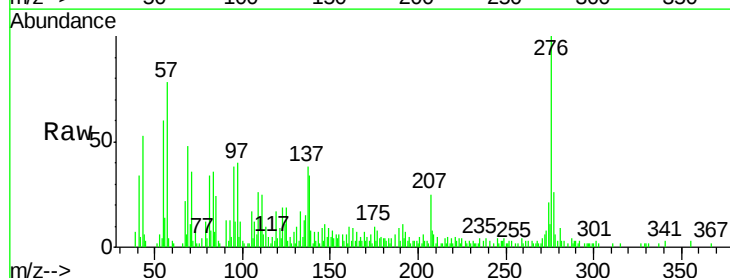
Tgt Ion:276 Resp: 44954

Ion Ratio Lower Upper

276 100

277 26.3 17.9 26.9

138 34.2 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

