

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030118\
 Data File : BF103337.D
 Acq On : 1 Mar 2018 15:29
 Operator : SJ/JU
 Sample : J1720-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 02 09:25:29 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	136004	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	540661	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	203969	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	305285	20.00	ng	0.00
75) Chrysene-d12	14.06	240	215477	20.00	ng	0.00
86) Perylene-d12	15.57	264	156184	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	903724	100.50	ng	0.01
7) Phenol-d6	6.52	99	1059752	96.31	ng	0.00
23) Nitrobenzene-d5	7.44	82	688554	72.73	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	137909	79.88	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	920258	75.71	ng	0.00
78) Terphenyl-d14	12.99	244	649103	72.41	ng	0.00

Target Compounds

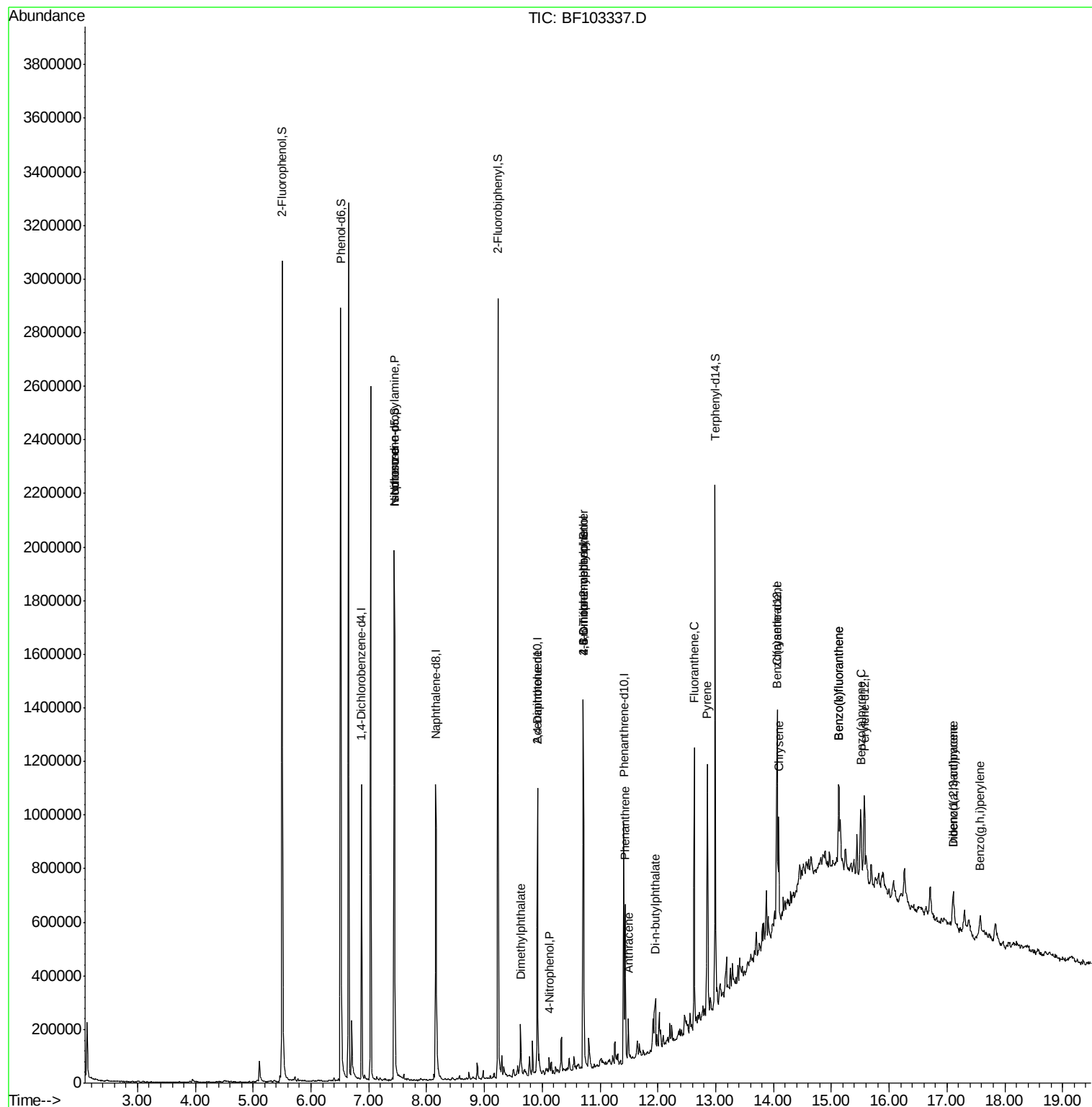
						Qvalue
9) Benzaldehyde	6.44	77	1029	Below Cal	#	49
19) n-Nitroso-di-n-propylamine	7.44	70	92026	13.438 ng	#	84
25) Isophorone	7.44	82	688550	36.928 ng	#	64
49) Dimethylphthalate	9.63	163	76082	4.650 ng		99
55) 4-Nitrophenol	10.12	139	7811	2.893 ng	#	15
56) 2,4-Dinitrotoluene	9.92	165	28442	6.549 ng	#	24
64) 4,6-Dinitro-2-methylphenol	10.72	198	246	5.064 ng	#	1
66) 4-Bromophenyl-phenylether	10.71	248	9655	3.036 ng	#	1
70) Phenanthrene	11.43	178	195536	11.639 ng		98
71) Anthracene	11.49	178	65054	3.776 ng		99
73) Di-n-butylphthalate	11.96	149	75619	3.522 ng		100
74) Fluoranthene	12.63	202	388456	23.009 ng		98
77) Pvrene	12.86	202	387745	23.080 ng		100
80) Benzo(a)anthracene	14.05	228	185525	13.270 ng		98
82) Chrysene	14.09	228	170851	12.586 ng		99
85) Indeno(1,2,3-cd)pyrene	17.10	276	68271	6.352 ng		93
87) Benzo(b)fluoranthene	15.13	252	236881	23.068 ng	#	88
88) Benzo(k)fluoranthene	15.13	252	236881	24.497 ng	#	91
89) Benzo(a)pvrene	15.51	252	117091	12.769 ng	#	90
90) Dibenzo(a,h)anthracene	17.11	278	19077	2.692 ng	#	53
91) Benzo(g,h,i)perylene	17.57	276	67365	9.727 ng		92

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

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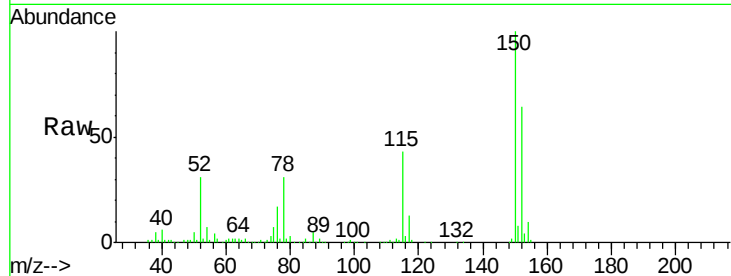


#1

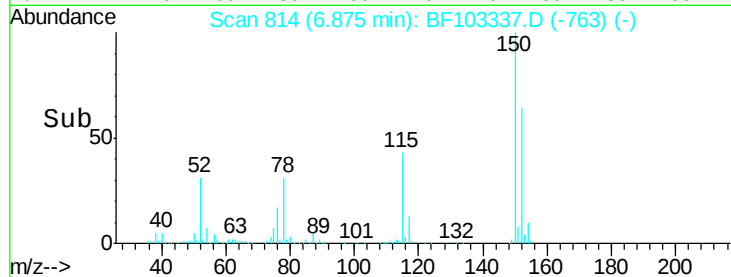
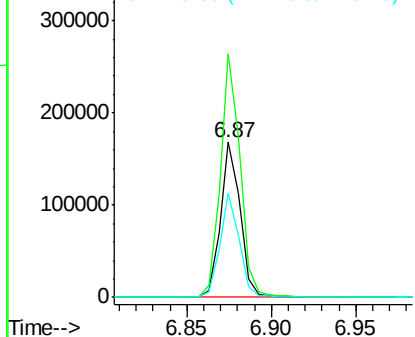
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103337.D
Acq: 1 Mar 2018 15:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 136004
Ion Ratio Lower Upper
152 100
150 157.0 124.6 186.8
115 67.4 50.1 75.1



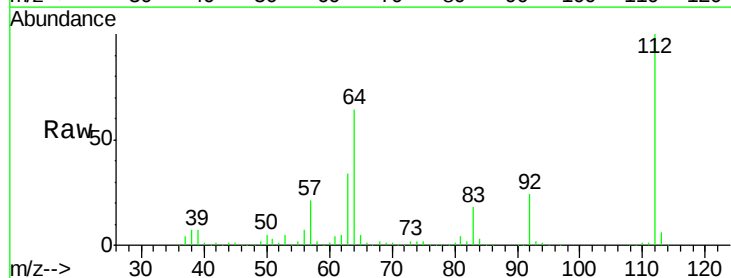
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



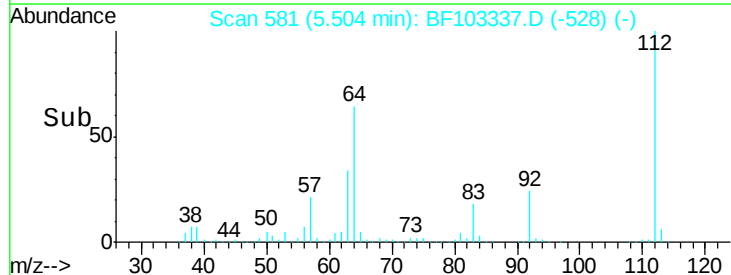
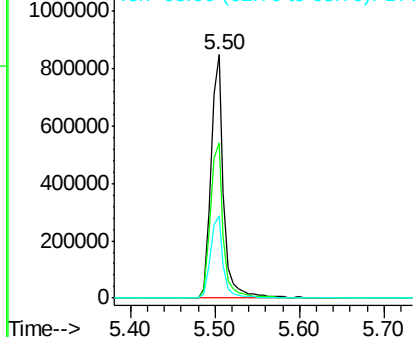
#5

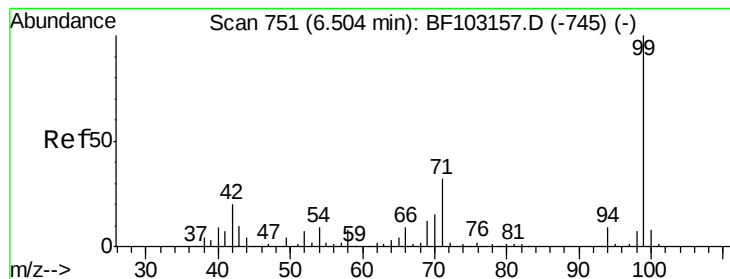
2-Fluorophenol
Concen: 100.498 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103337.D
Acq: 1 Mar 2018 15:29

Tgt Ion:112 Resp: 903724
Ion Ratio Lower Upper
112 100
64 63.5 47.9 71.9
63 33.6 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: 96.310 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103337.D

Acq: 1 Mar 2018 15:29

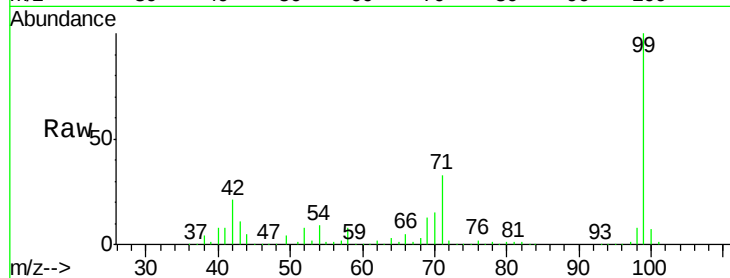
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1059752

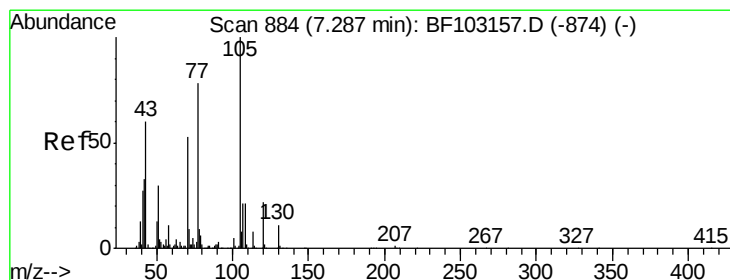
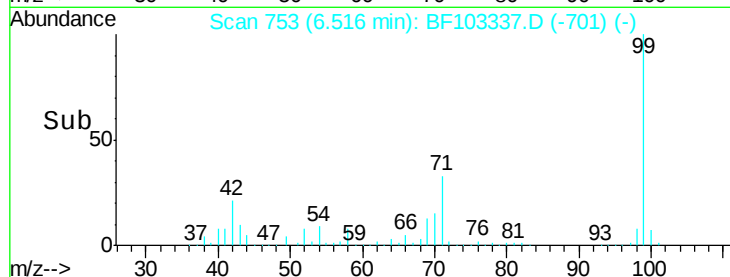
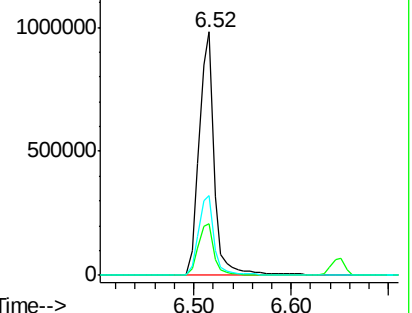
Ion	Ratio	Lower	Upper
99	100		
42	21.2	14.5	21.7
71	32.7	25.4	38.0



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: 13.438 ng

RT: 7.44 min Scan# 910

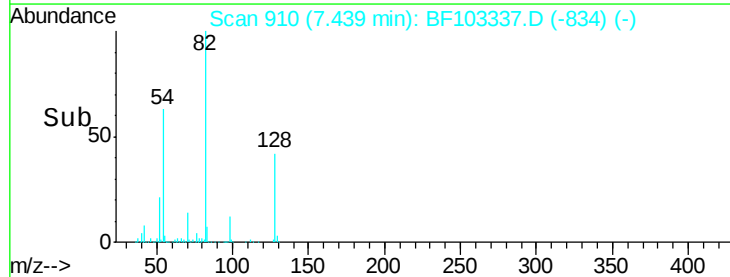
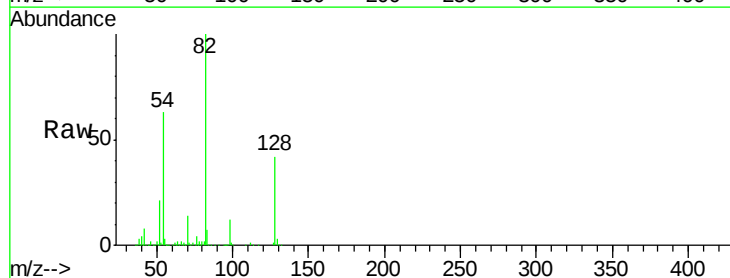
Delta R.T. 0.15 min

Lab File: BF103337.D

Acq: 1 Mar 2018 15:29

Tgt Ion: 70 Resp: 92026

Ion	Ratio	Lower	Upper
70	100		
42	55.2	47.5	71.3
101	0.0	7.4	11.2#
130	2.0	16.6	25.0#

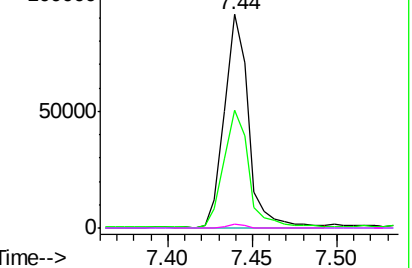


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

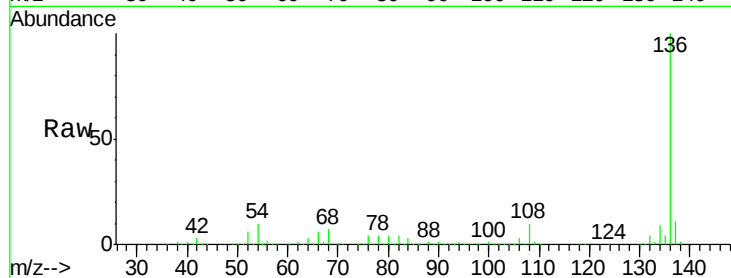




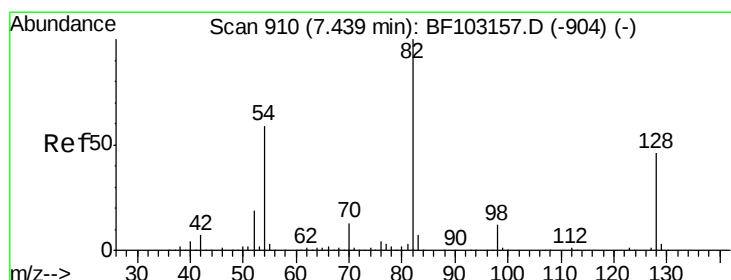
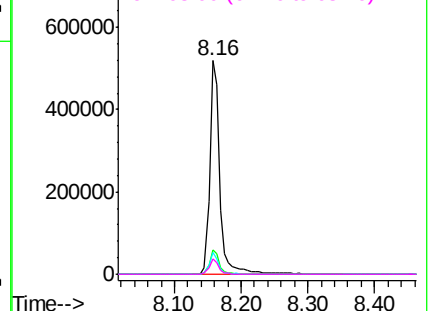
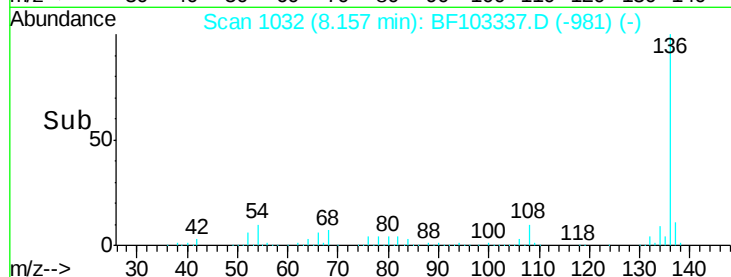
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF103337.D
Acq: 1 Mar 2018 15:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	540661
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	10.3	6.6 9.8#
68	7.3	5.0 7.4

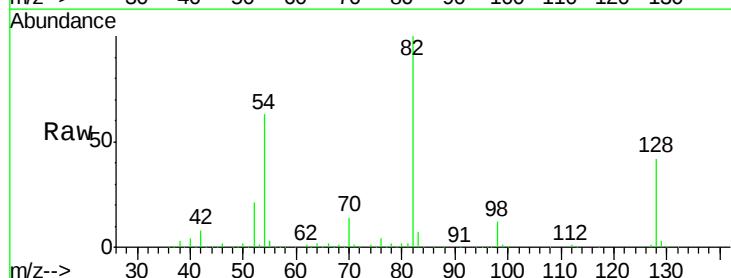


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

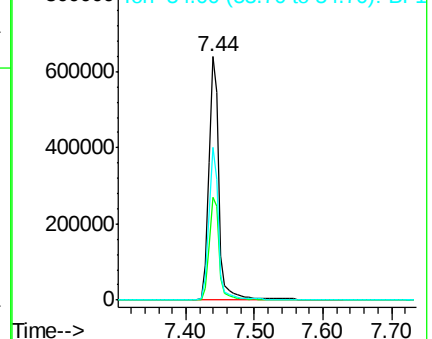
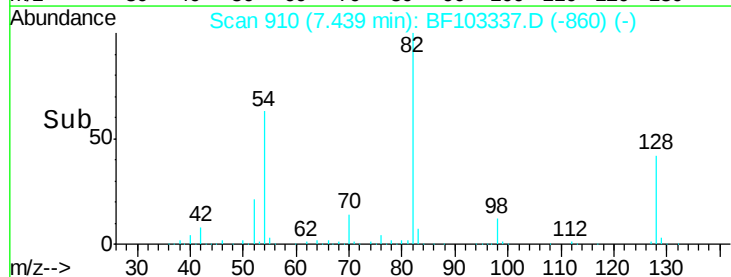


#23
Nitrobenzene-d5
Concen: 72.730 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103337.D
Acq: 1 Mar 2018 15:29

Tgt Ion: 82	Resp:	688554
Ion Ratio	Lower	Upper
82	100	
128	42.1	36.1 54.1
54	62.9	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

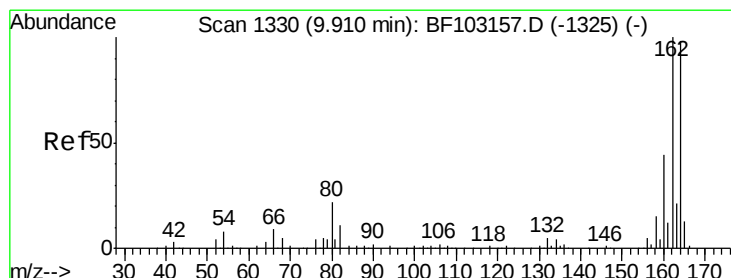
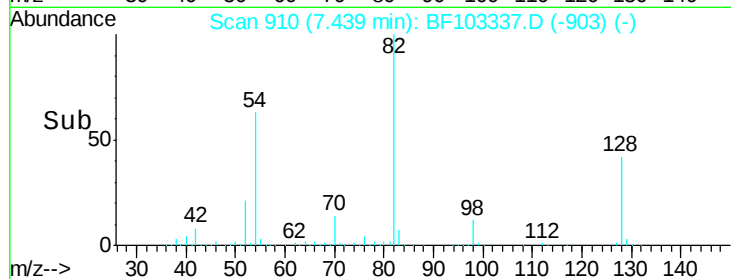
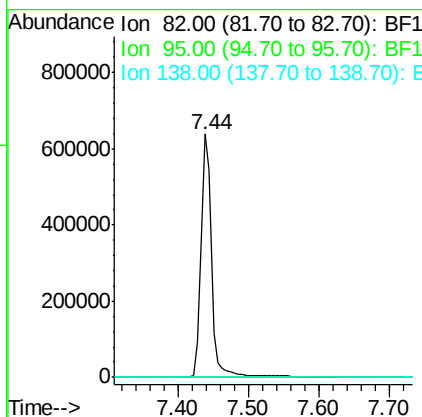
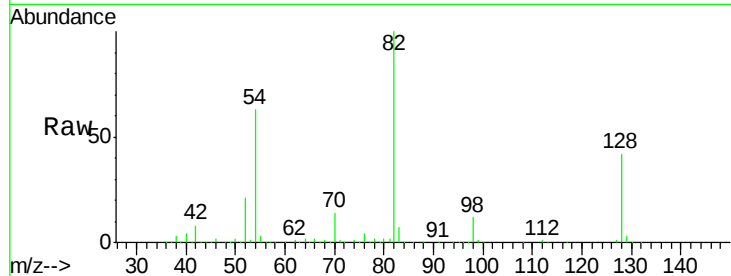




#25
Isophorone
Concen: 36.928 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF103337.D
Acq: 1 Mar 2018 15:29

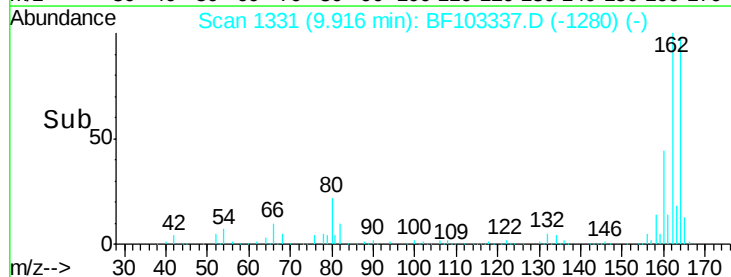
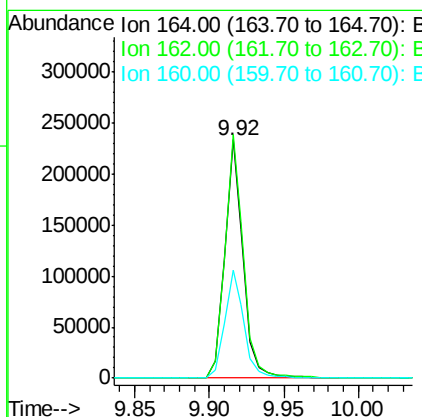
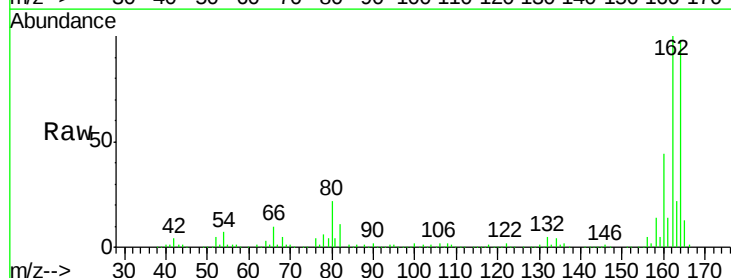
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 688550
Ion Ratio Lower Upper
82 100
95 0.1 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.00 min
Lab File: BF103337.D
Acq: 1 Mar 2018 15:29

Tgt Ion: 164 Resp: 203969
Ion Ratio Lower Upper
164 100
162 102.1 86.1 129.1
160 45.4 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 79.878 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BF103337.D

Acq: 1 Mar 2018 15:29

Instrument :

BNA_F

ClientSampled :

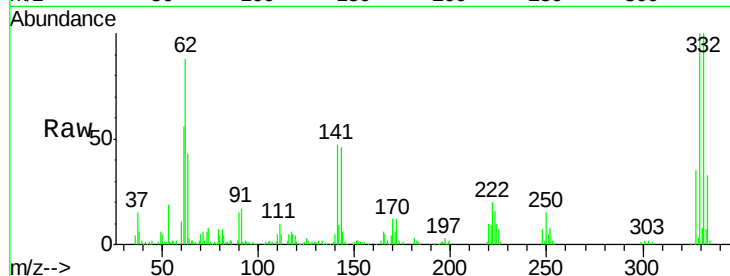
Tot Ion:330 Resp: 137909

Ion Ratio Lower Upper

330 100

332 103.8 77.0 115.6

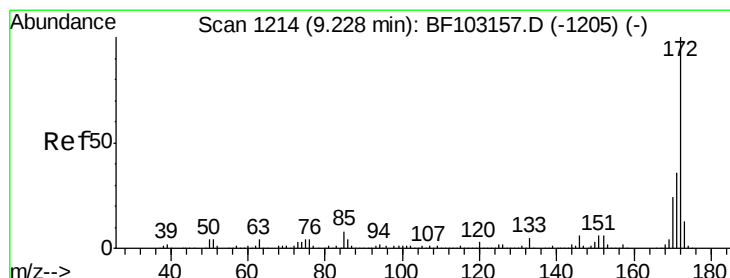
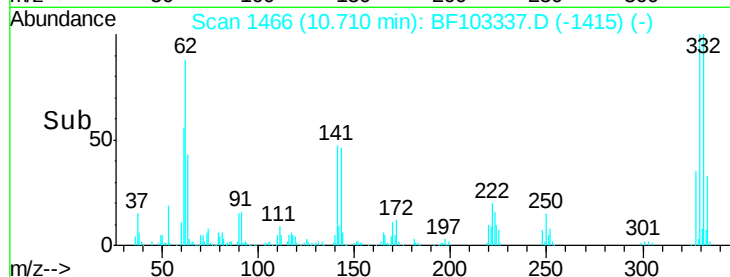
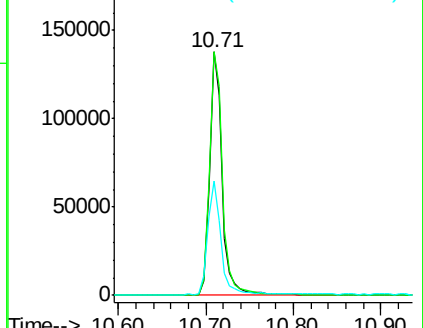
141 48.6 29.9 44.9#



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 75.710 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.00 min

Lab File: BF103337.D

Acq: 1 Mar 2018 15:29

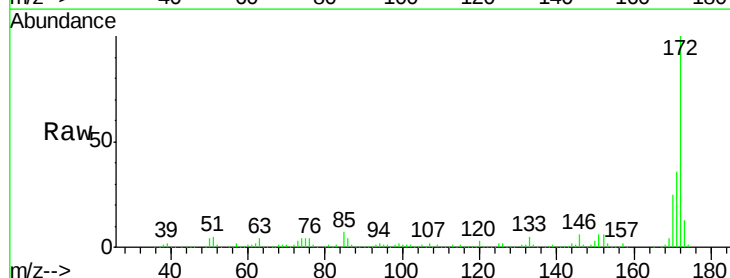
Tgt Ion:172 Resp: 920258

Ion Ratio Lower Upper

172 100

171 36.3 29.7 44.5

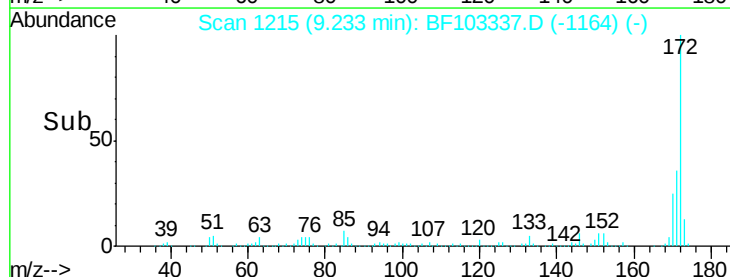
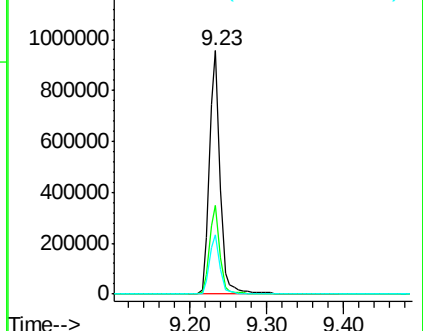
170 24.6 19.6 29.4

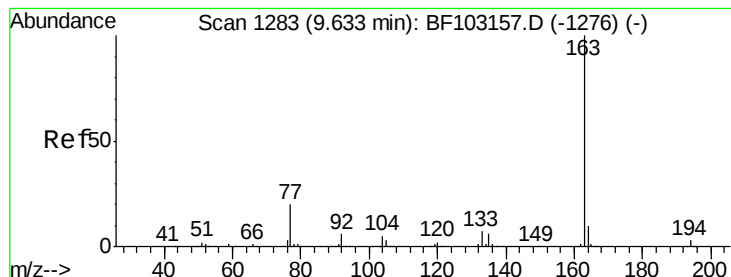


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 4.650 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF103337.D

Acq: 1 Mar 2018 15:29

Instrument :

BNA_F

ClientSampled :

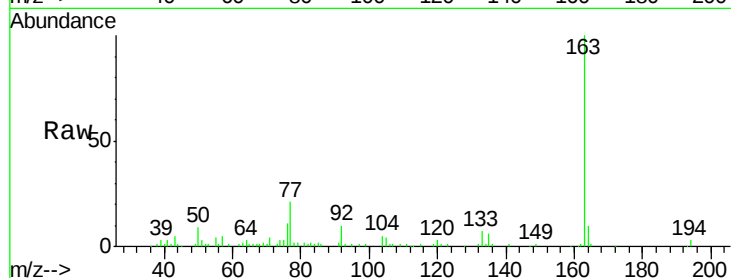
Tot Ion:163 Resp: 76082

Ion Ratio Lower Upper

163 100

194 3.1 2.7 4.1

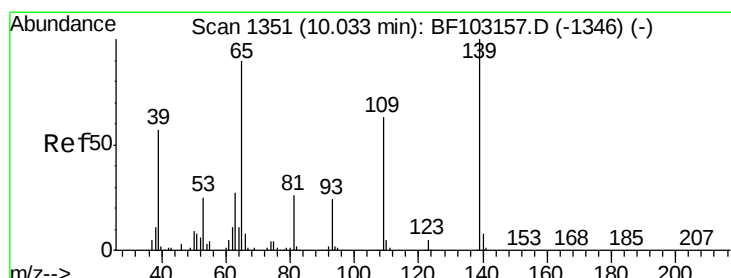
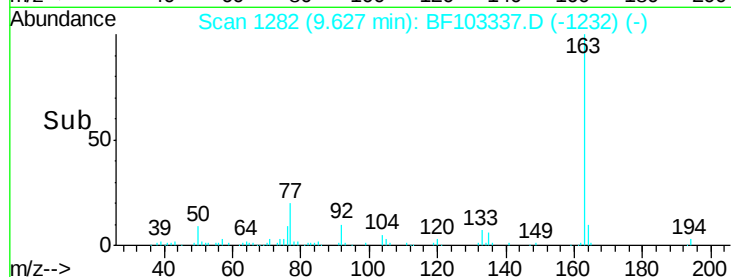
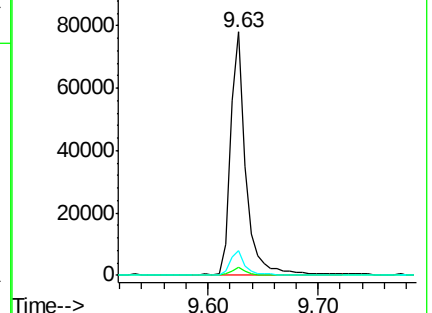
164 10.0 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#55

4-Nitrophenol

Concen: 2.893 ng

RT: 10.12 min Scan# 1366

Delta R.T. 0.08 min

Lab File: BF103337.D

Acq: 1 Mar 2018 15:29

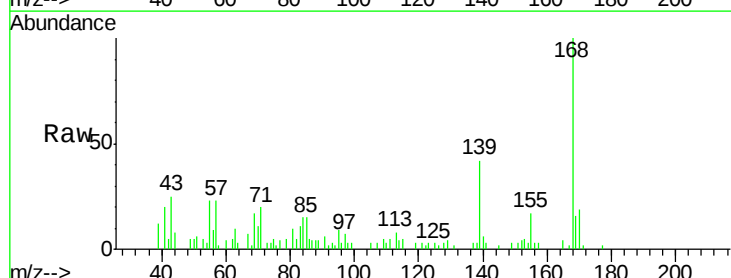
Tgt Ion:139 Resp: 7811

Ion Ratio Lower Upper

139 100

109 13.0 48.4 88.4#

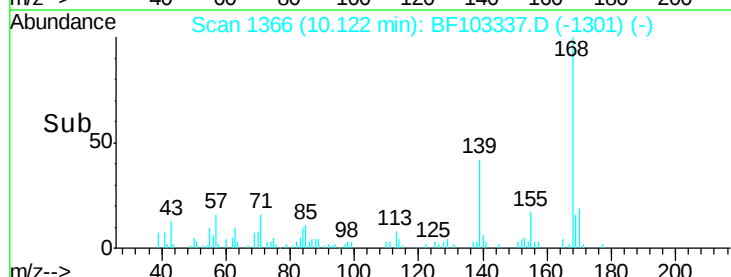
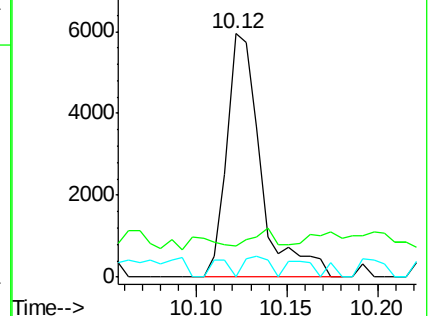
65 0.0 72.6 112.6#

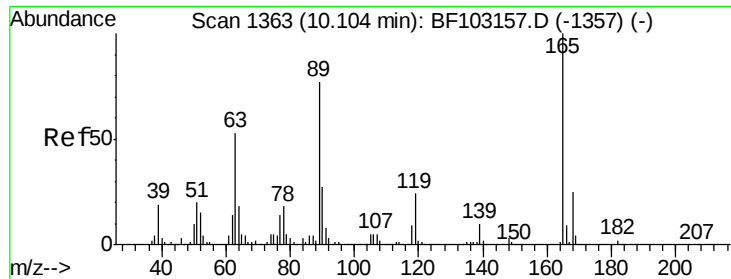


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

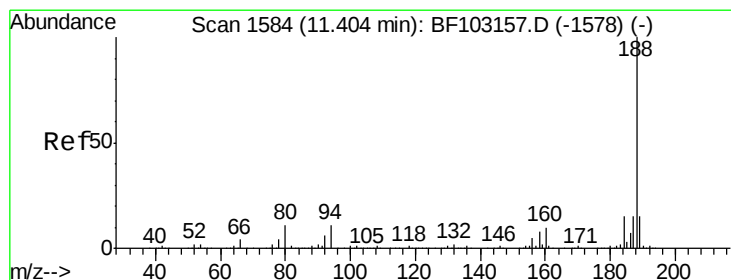
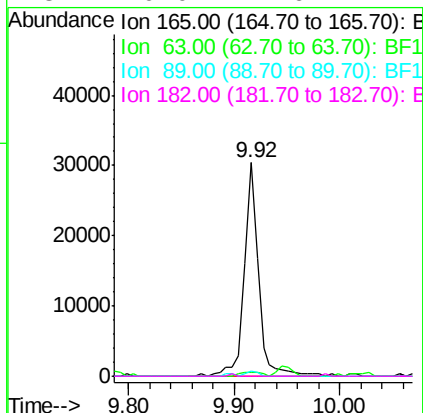
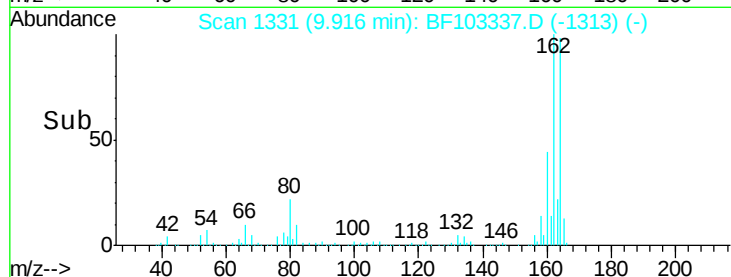
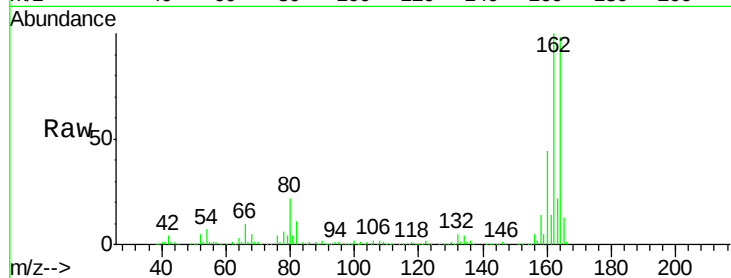




#56
2,4-Dinitrotoluene
Concen: 6.549 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF103337.D
Acq: 1 Mar 2018 15:29

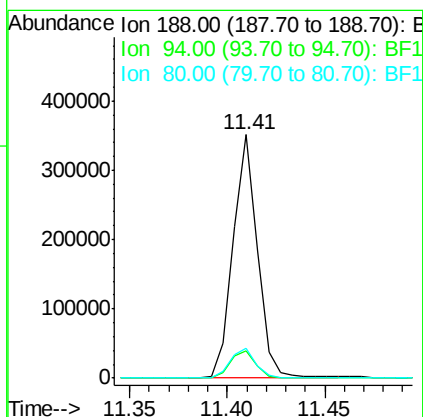
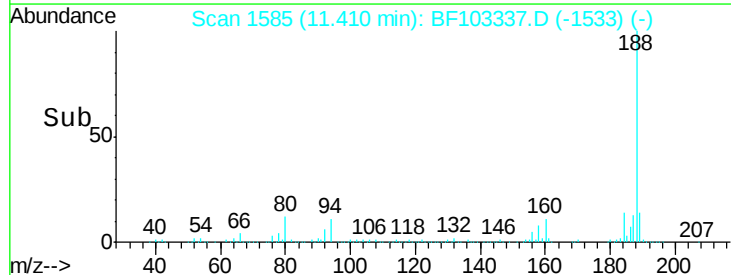
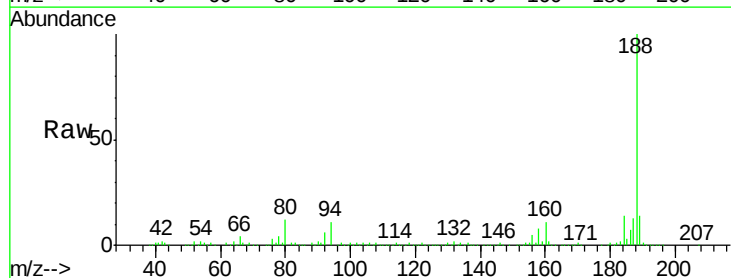
Instrument :
BNA_F
ClientSampleId :

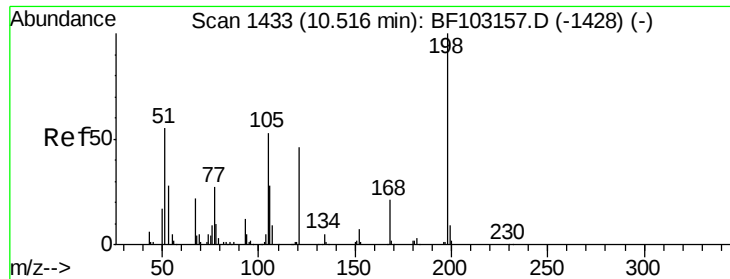
Tot Ion:165 Resp: 28442
Ion Ratio Lower Upper
165 100
63 2.0 36.4 54.6#
89 2.2 57.8 86.6#
182 0.0 1.6 2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.01 min
Lab File: BF103337.D
Acq: 1 Mar 2018 15:29

Tgt Ion:188 Resp: 305285
Ion Ratio Lower Upper
188 100
94 11.4 8.5 12.7
80 12.2 9.2 13.8

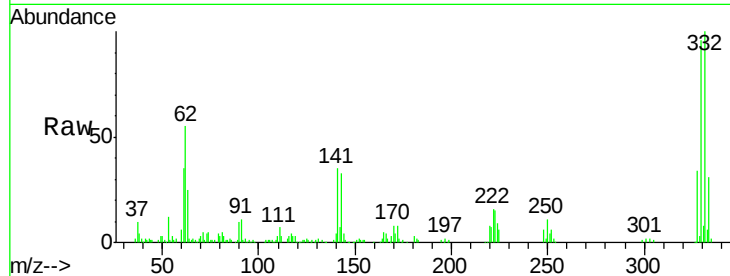




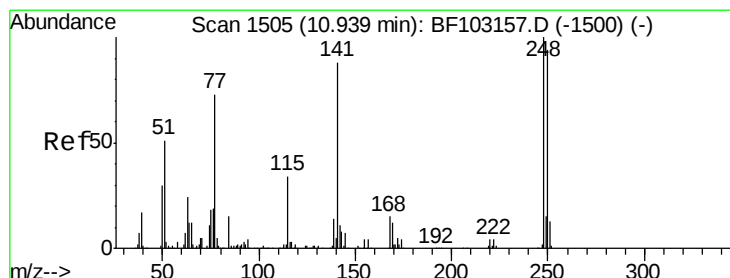
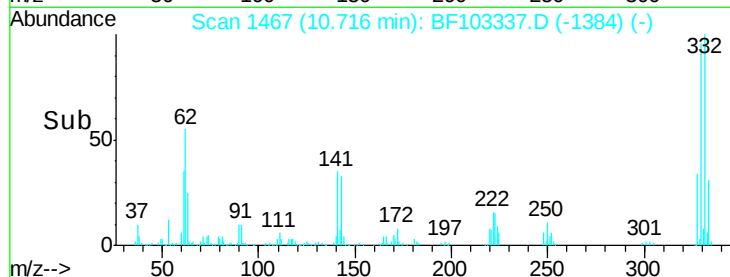
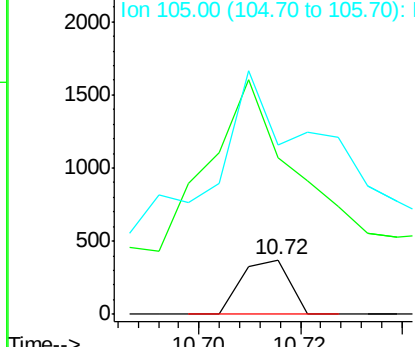
#64
4,6-Dinitro-2-methylphenol
Concen: 5.064 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.19 min
Lab File: BF103337.D
Acq: 1 Mar 2018 15:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 246
Ion Ratio Lower Upper
198 100
51 286.4 37.7 77.7#
105 310.4 36.3 76.3#

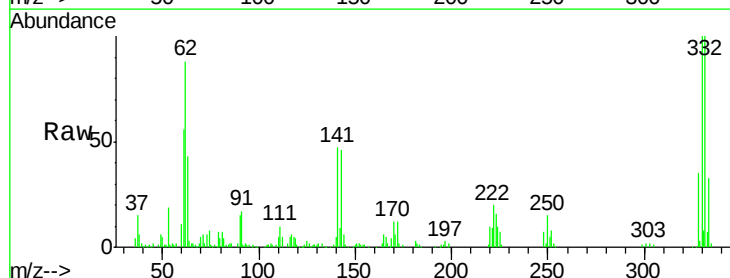


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

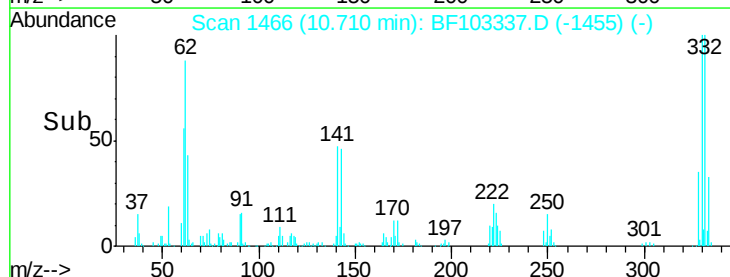
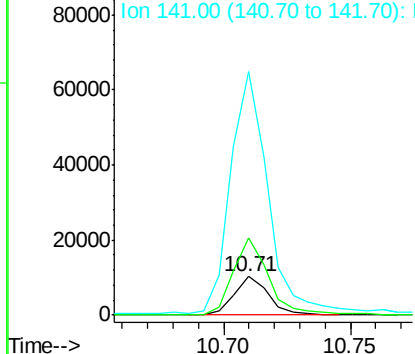


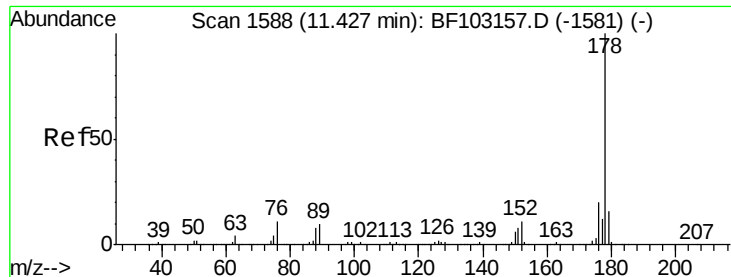
#66
4-Bromophenyl-phenylether
Concen: 3.036 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103337.D
Acq: 1 Mar 2018 15:29

Tgt Ion:248 Resp: 9655
Ion Ratio Lower Upper
248 100
250 201.2 76.9 115.3#
141 633.6 74.4 111.6#



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

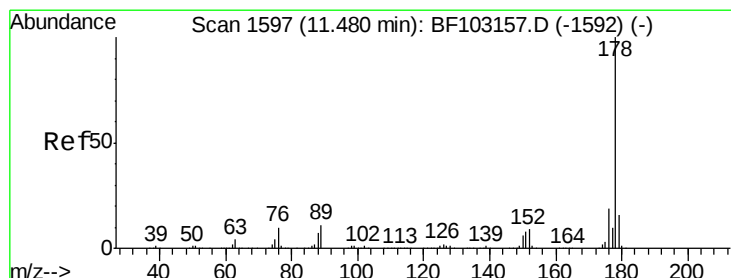
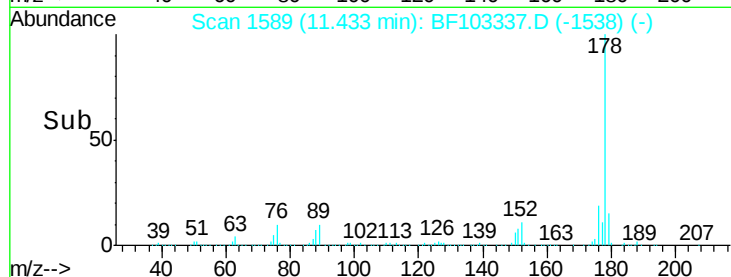
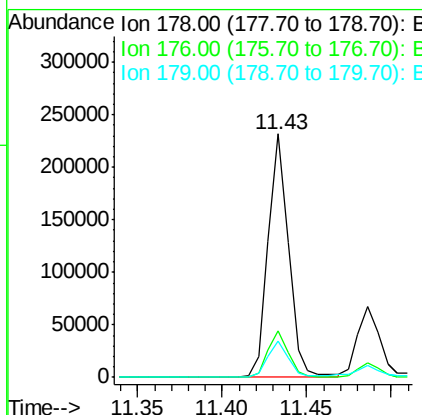
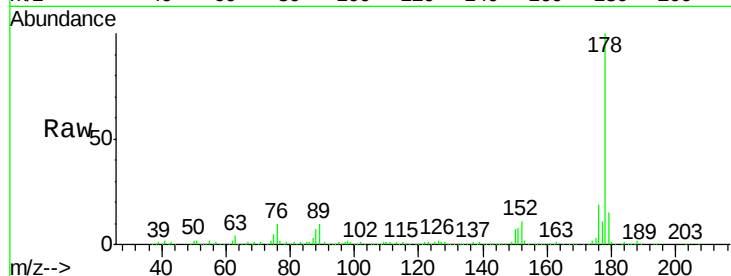




#70
Phenanthrene
Concen: 11.639 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BF103337.D
Acq: 1 Mar 2018 15:29

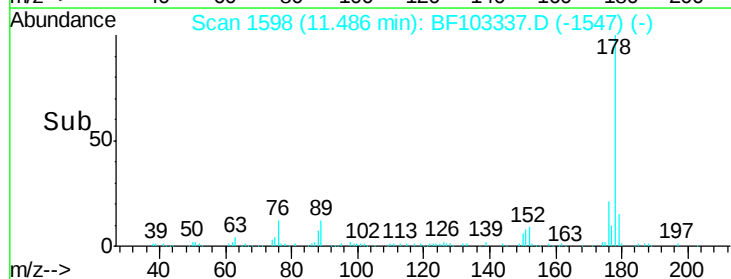
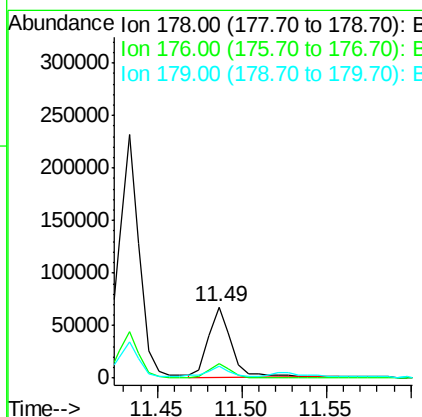
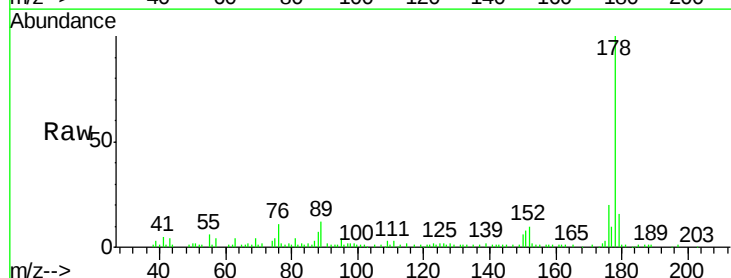
Instrument :
BNA_F
ClientSampleId :

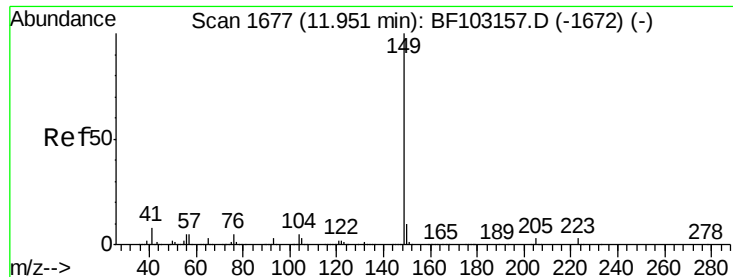
Tot Ion:178 Resp: 195536
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 14.8 13.0 19.6



#71
Anthracene
Concen: 3.776 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.00 min
Lab File: BF103337.D
Acq: 1 Mar 2018 15:29

Tgt Ion:178 Resp: 65054
Ion Ratio Lower Upper
178 100
176 20.3 15.4 23.2
179 16.0 12.6 19.0

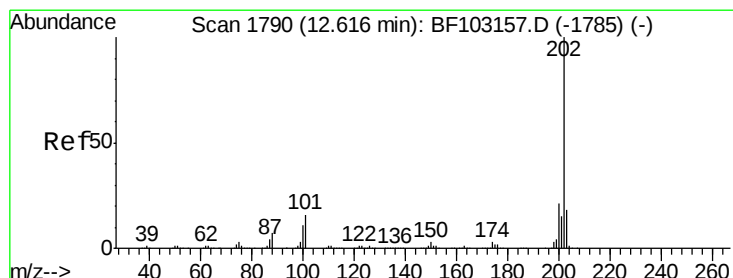
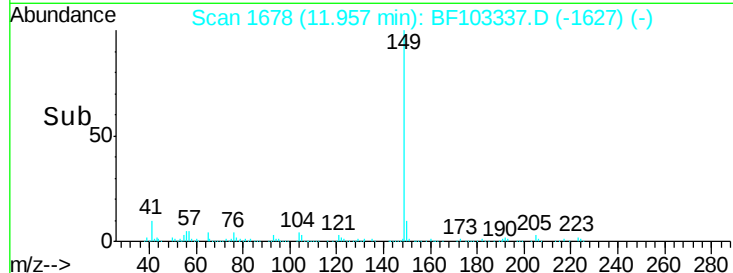
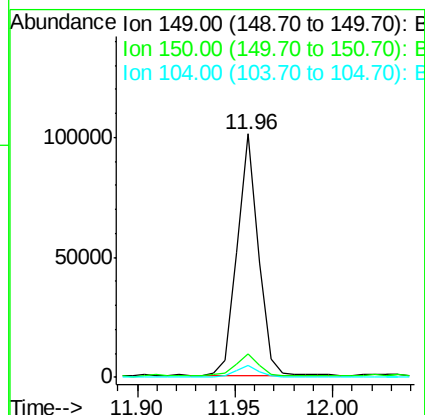
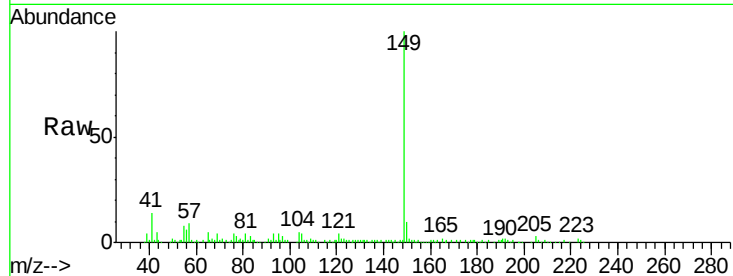




#73
Di-n-butylphthalate
Concen: 3.522 ng
RT: 11.96 min Scan# 1678
Delta R.T. -0.00 min
Lab File: BF103337.D
Acq: 1 Mar 2018 15:29

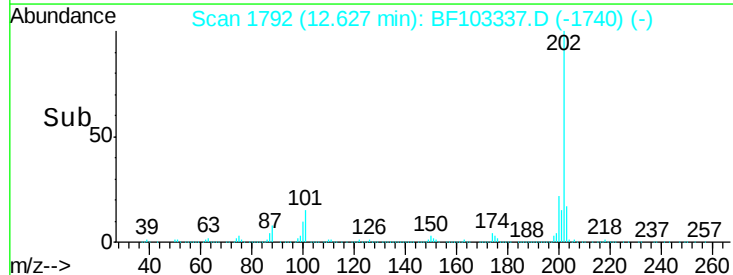
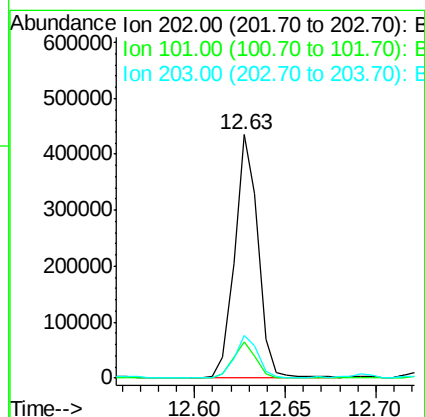
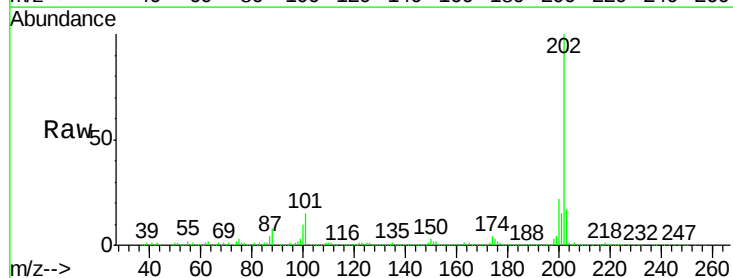
Instrument :
BNA_F
ClientSampled :

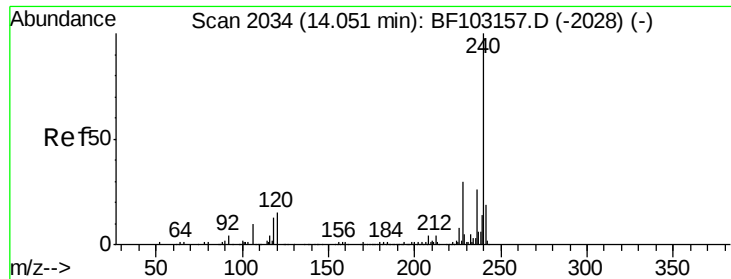
Tot Ion:149 Resp: 75619
Ion Ratio Lower Upper
149 100
150 9.8 7.8 11.6
104 4.9 3.8 5.8



#74
Fluoranthene
Concen: 23.009 ng
RT: 12.63 min Scan# 1792
Delta R.T. 0.01 min
Lab File: BF103337.D
Acq: 1 Mar 2018 15:29

Tgt Ion:202 Resp: 388456
Ion Ratio Lower Upper
202 100
101 15.0 0.0 34.1
203 17.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF103337.D

Acq: 1 Mar 2018 15:29

Instrument :

BNA_F

ClientSampleId :

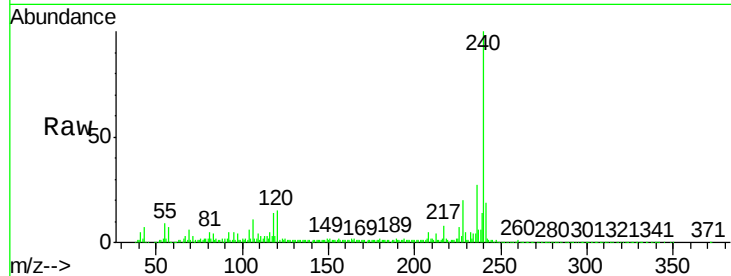
Tot Ion:240 Resp: 215477

Ion Ratio Lower Upper

240 100

120 15.3 9.5 14.3#

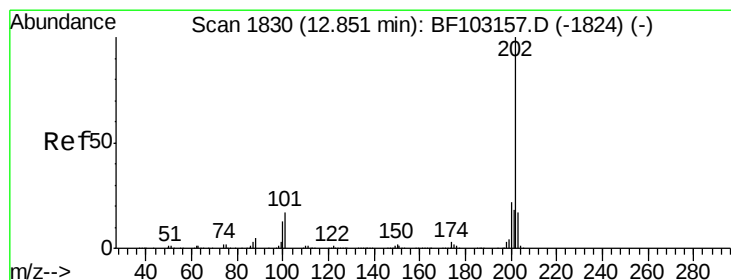
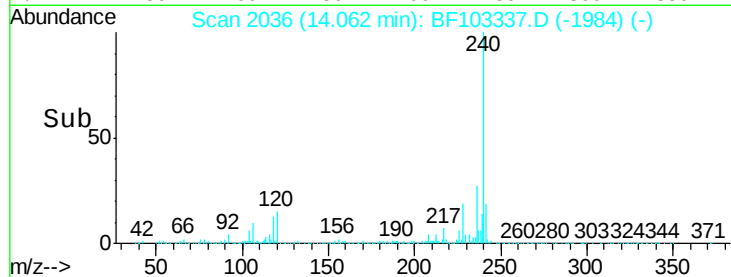
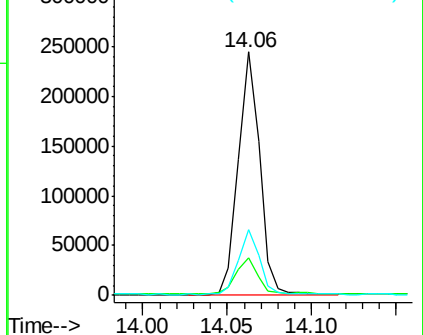
236 26.8 20.7 31.1



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: 23.080 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF103337.D

Acq: 1 Mar 2018 15:29

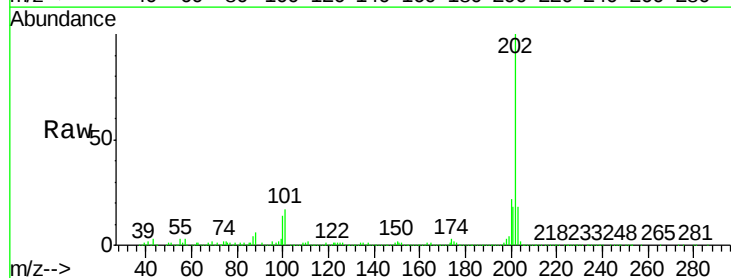
Tgt Ion:202 Resp: 387745

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

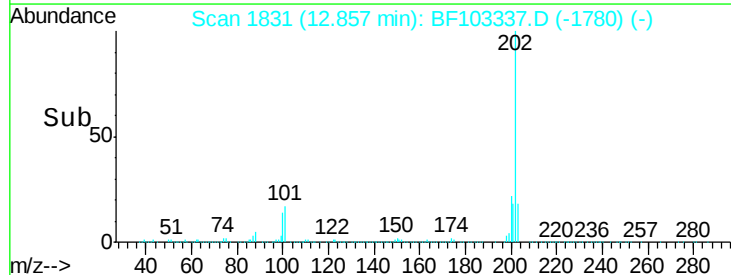
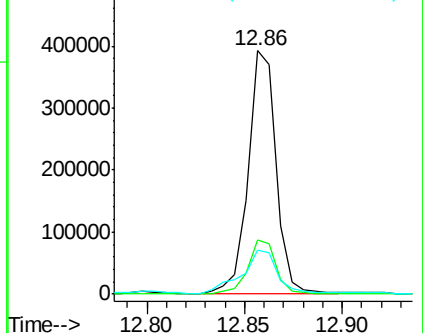
203 17.9 14.3 21.5

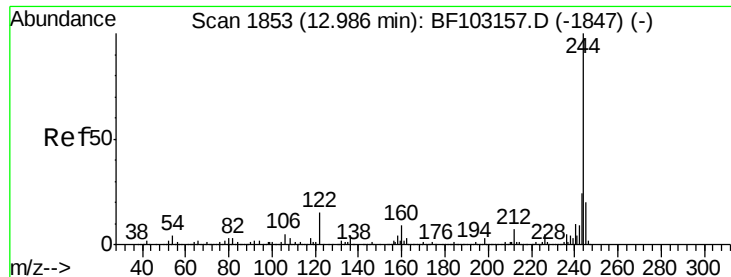


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 72.414 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF103337.D

Acq: 1 Mar 2018 15:29

Instrument :

BNA_F

ClientSampleId :

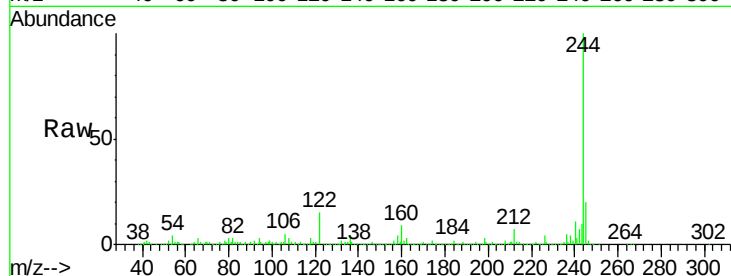
Tot Ion:244 Resp: 649103

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

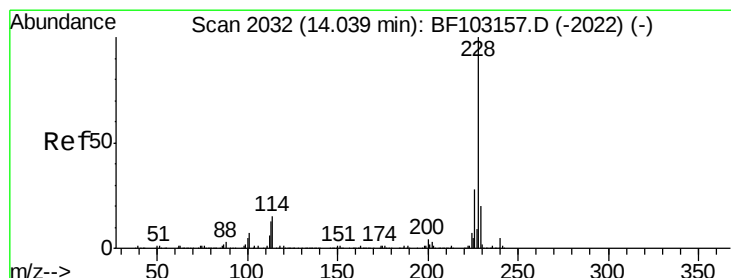
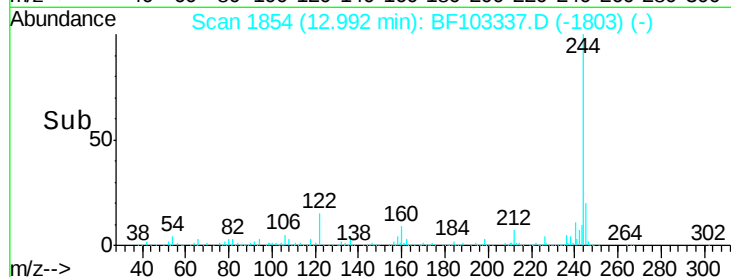
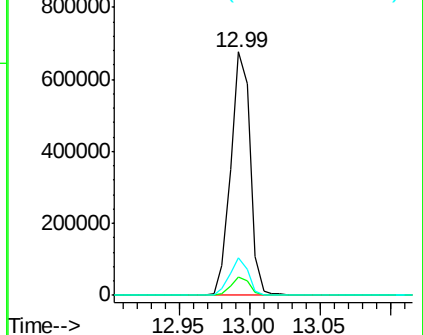
122 15.4 11.0 16.4



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: 13.270 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BF103337.D

Acq: 1 Mar 2018 15:29

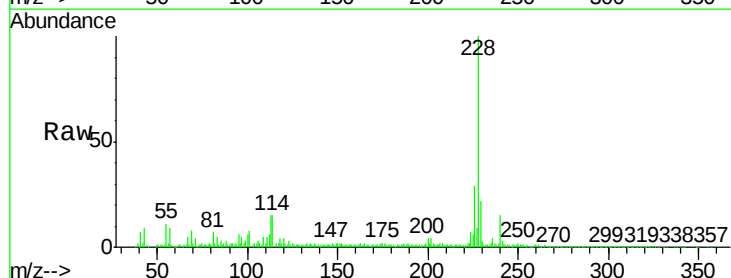
Tgt Ion:228 Resp: 185525

Ion Ratio Lower Upper

228 100

226 28.7 22.6 33.8

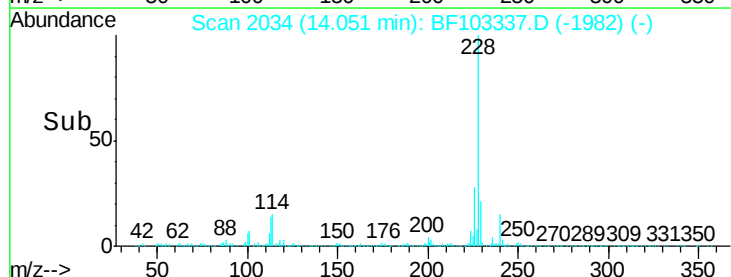
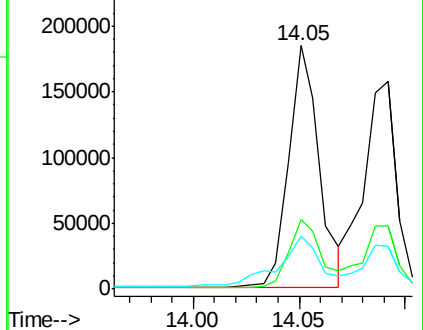
229 21.5 15.8 23.6

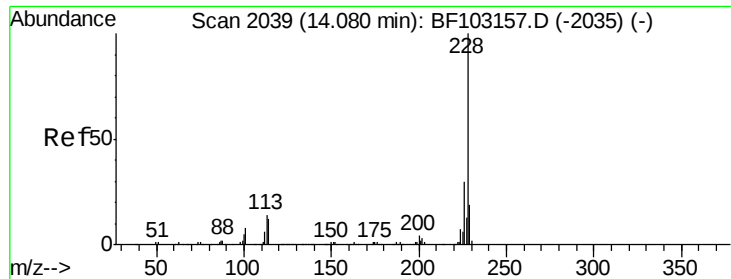


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

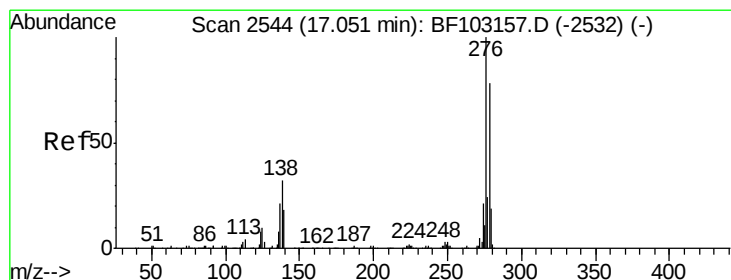
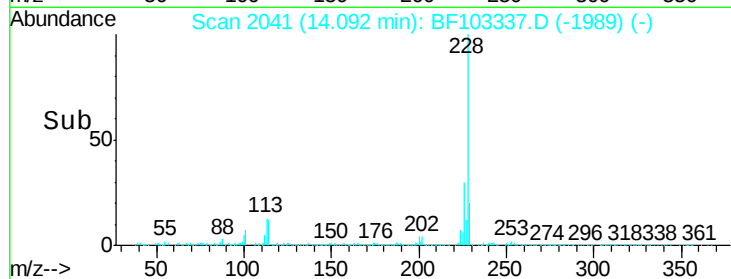
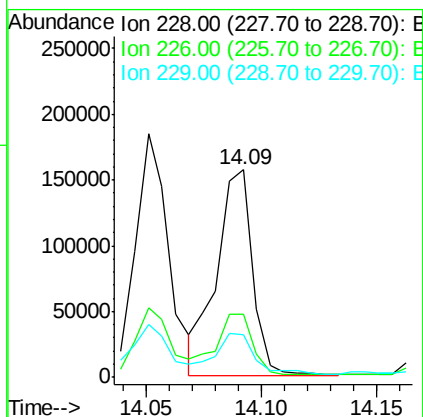
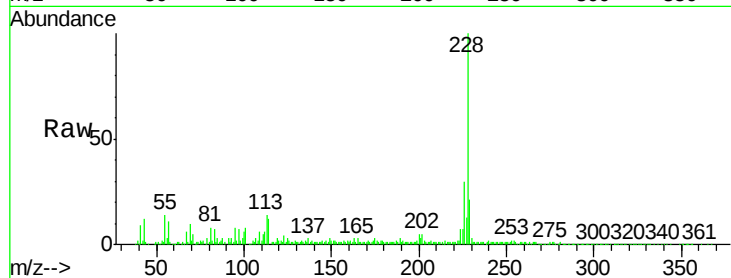




#82
Chrysene
Concen: 12.586 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.01 min
Lab File: BF103337.D
Acq: 1 Mar 2018 15:29

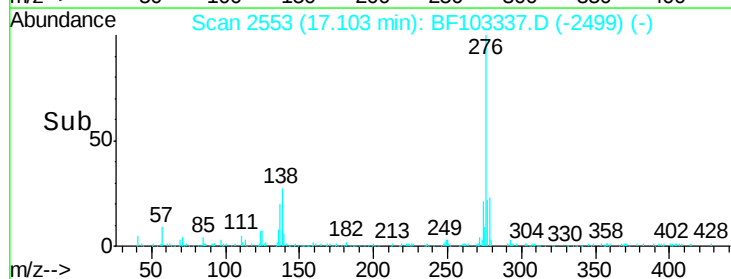
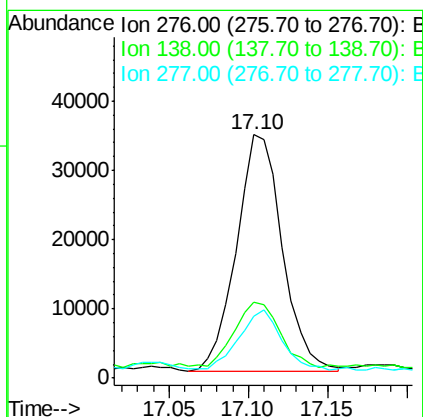
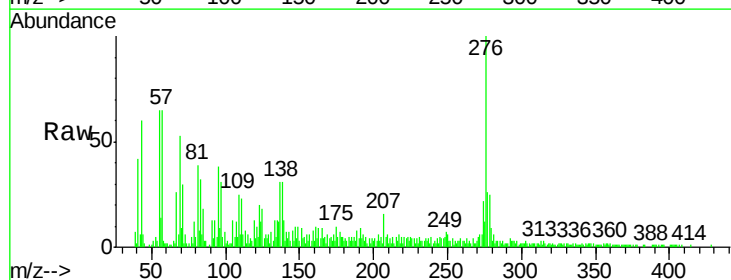
Instrument :
BNA_F
ClientSampleId :

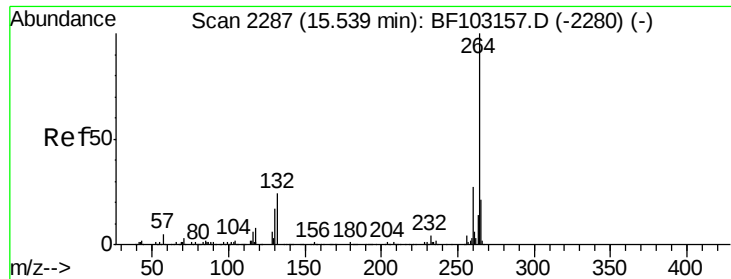
Tot Ion:228 Resp: 170851
Ion Ratio Lower Upper
228 100
226 30.4 25.0 37.6
229 20.7 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 6.352 ng
RT: 17.10 min Scan# 2553
Delta R.T. 0.02 min
Lab File: BF103337.D
Acq: 1 Mar 2018 15:29

Tgt Ion:276 Resp: 68271
Ion Ratio Lower Upper
276 100
138 26.4 25.0 37.6
277 22.9 20.1 30.1

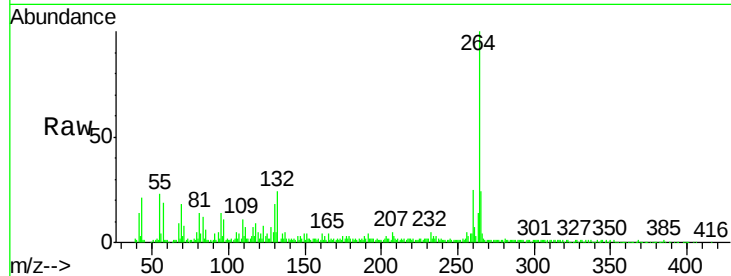




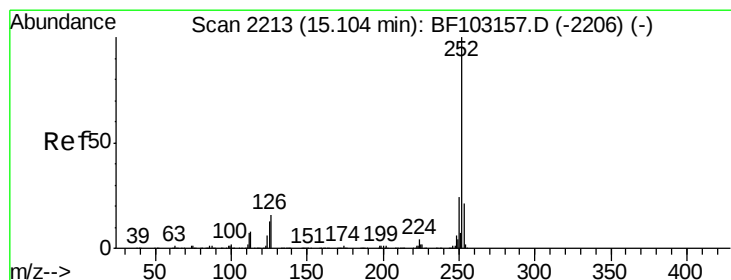
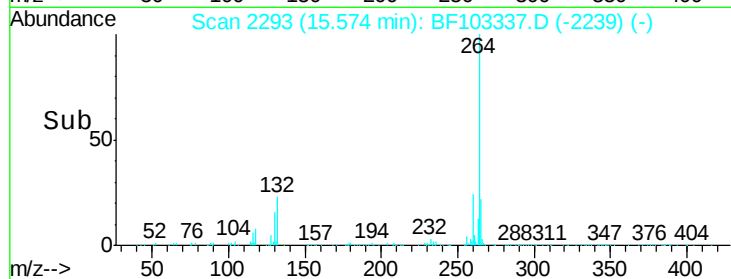
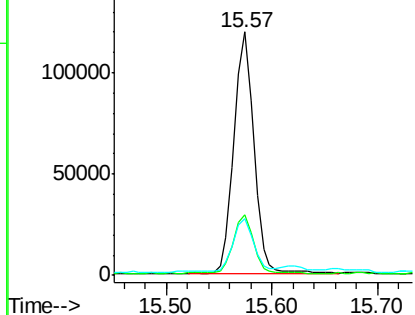
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.02 min
Lab File: BF103337.D
Acq: 1 Mar 2018 15:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 156184
Ion Ratio Lower Upper
264 100
260 24.9 19.2 28.8
265 23.5 17.5 26.3

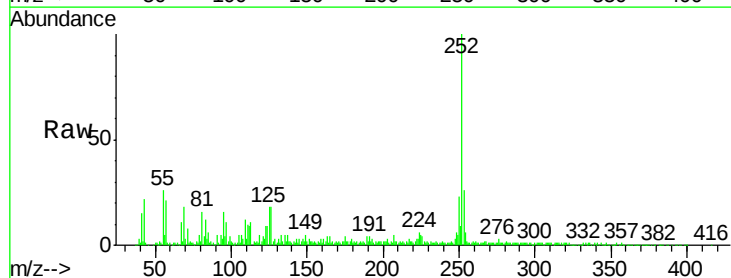


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

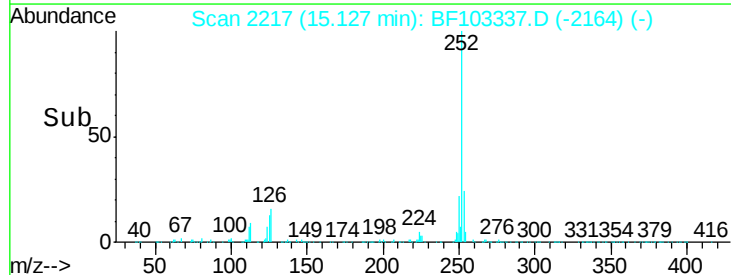
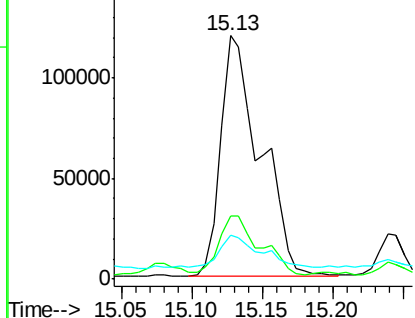


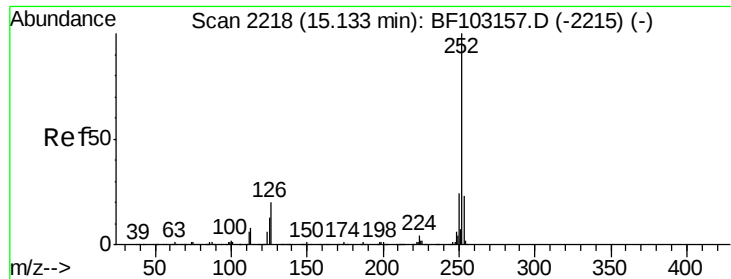
#87
Benzo(b)fluoranthene
Concen: 23.068 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF103337.D
Acq: 1 Mar 2018 15:29

Tgt Ion:252 Resp: 236881
Ion Ratio Lower Upper
252 100
253 26.0 17.0 25.6#
125 17.8 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

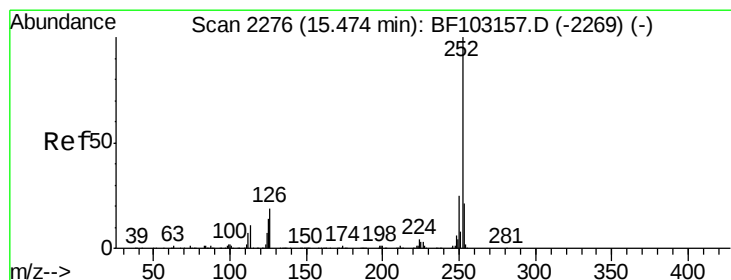
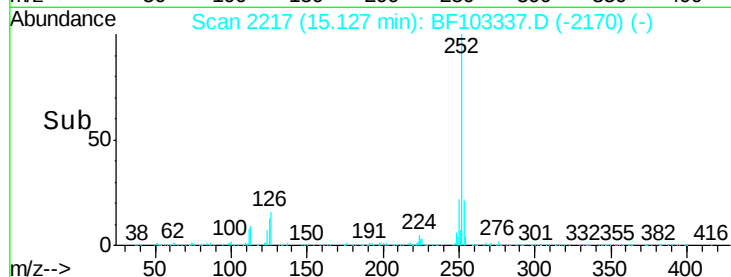
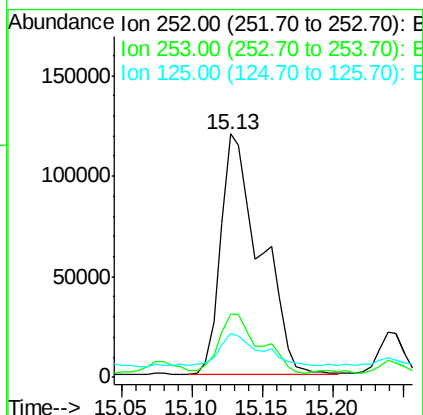
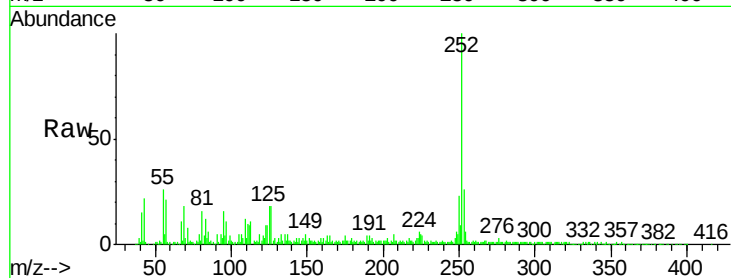




#88
Benzo(k)fluoranthene
Concen: 24.497 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF103337.D
Acq: 1 Mar 2018 15:29

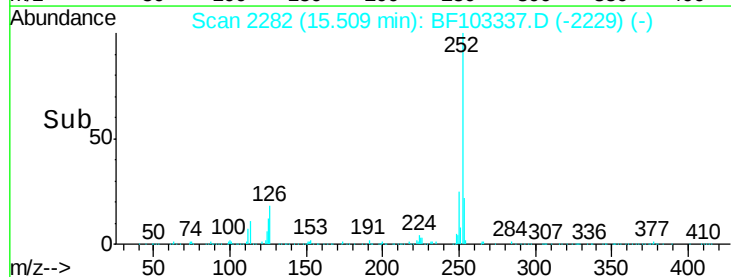
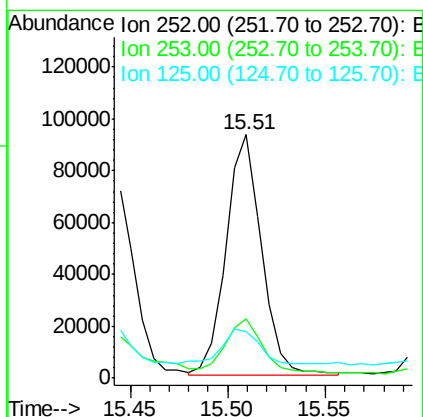
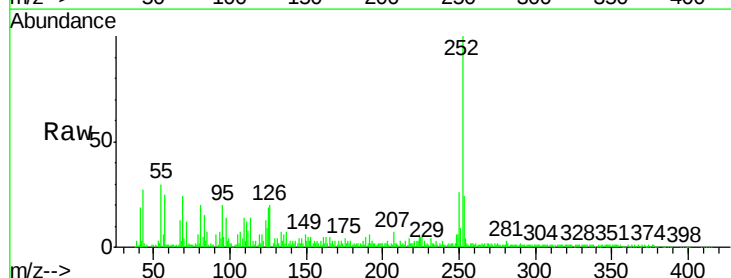
Instrument :
BNA_F
ClientSampleId :

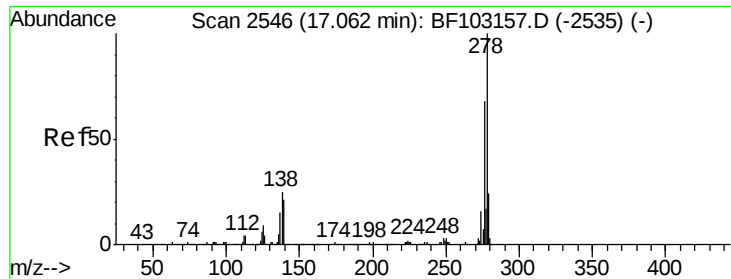
Tot Ion:252 Resp: 236881
Ion Ratio Lower Upper
252 100
253 26.0 17.9 26.9
125 17.8 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 12.769 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF103337.D
Acq: 1 Mar 2018 15:29

Tgt Ion:252 Resp: 117091
Ion Ratio Lower Upper
252 100
253 24.5 17.1 25.7
125 19.0 9.8 14.6#





#90

Dibenzo(a,h)anthracene

Concen: 2.692 ng

RT: 17.11 min Scan# 2554

Delta R.T. 0.02 min

Lab File: BF103337.D

Acq: 1 Mar 2018 15:29

Instrument :

BNA_F

ClientSampleId :

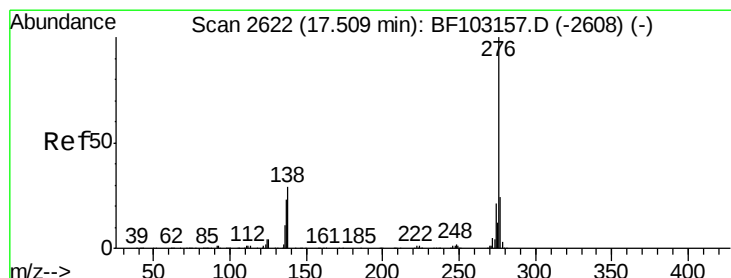
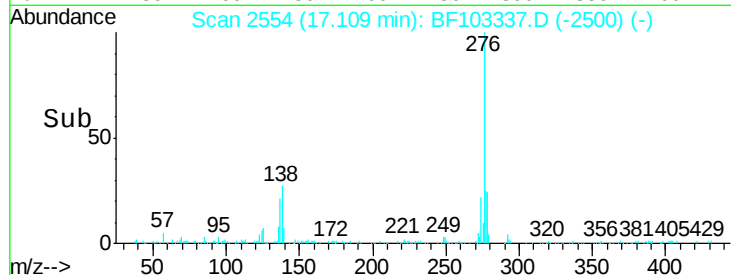
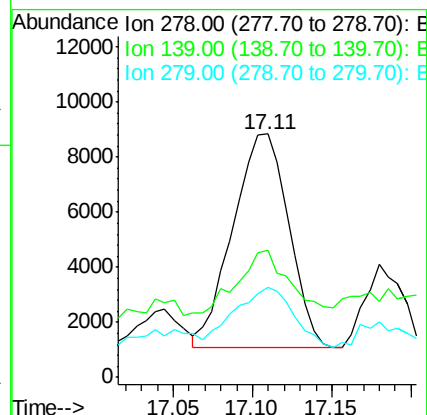
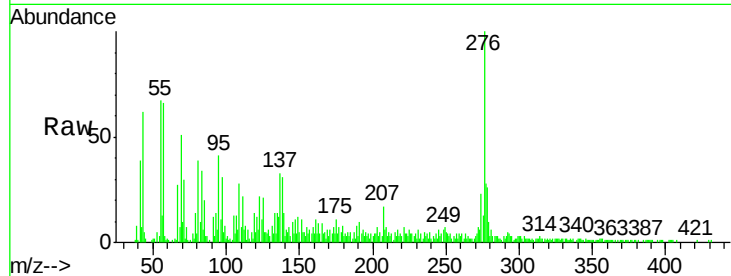
Tot Ion:278 Resp: 19077

Ion Ratio Lower Upper

278 100

139 52.5 15.9 23.9#

279 37.1 19.0 28.4#



#91

Benzo(g,h,i)perylene

Concen: 9.727 ng

RT: 17.57 min Scan# 2633

Delta R.T. 0.04 min

Lab File: BF103337.D

Acq: 1 Mar 2018 15:29

Tgt Ion:276 Resp: 67365

Ion Ratio Lower Upper

276 100

277 26.5 17.9 26.9

138 31.1 21.8 32.8

