

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103377.D
 Acq On : 2 Mar 2018 20:37
 Operator : SJ/JU
 Sample : J1721-01RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-48

Quant Time: Mar 02 22:08:32 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 02 13:28:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	139863	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	597271	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	247034	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	320122	20.00	ng	0.00
75) Chrysene-d12	14.06	240	223178	20.00	ng	0.00
86) Perylene-d12	15.57	264	184004	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1000462	108.19	ng	0.00
7) Phenol-d6	6.52	99	1160282	102.54	ng	0.00
23) Nitrobenzene-d5	7.45	82	786773	75.23	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	167508	80.11	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1033549	68.84	ng	0.00
78) Terphenyl-d14	12.99	244	599045	64.52	ng	0.00

Target Compounds

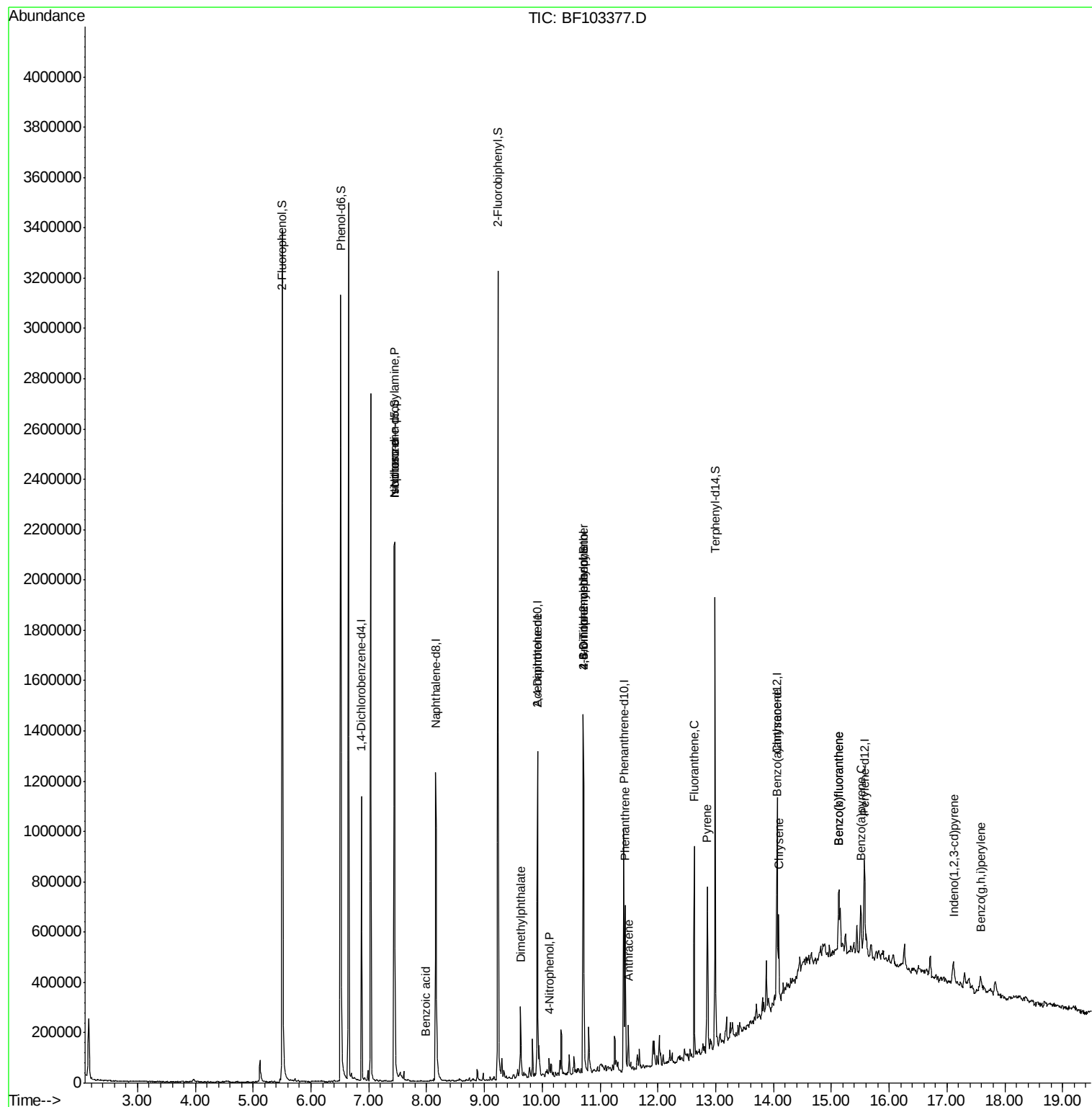
						Qvalue
9) Benzaldehyde	6.45	77	807	Below Cal	#	51
19) n-Nitroso-di-n-propylamine	7.44	70	108363	15.387 ng	#	85
25) Isophorone	7.45	82	786838	38.199 ng	#	64
32) Benzoic acid	7.99	122	113	6.929 ng	#	30
49) Dimethylphthalate	9.63	163	122211	6.167 ng		99
55) 4-Nitrophenol	10.13	139	9276	2.837 ng	#	16
56) 2,4-Dinitrotoluene	9.92	165	33031	6.280 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.72	198	326	5.095 ng	#	1
66) 4-Bromophenyl-phenylether	10.71	248	11142	3.341 ng	#	1
70) Phenanthrene	11.43	178	215523	12.234 ng		98
71) Anthracene	11.49	178	66366	3.674 ng		98
74) Fluoranthene	12.63	202	297874	16.826 ng		98
77) Pvrene	12.86	202	269964	15.515 ng		99
80) Benzo(a)anthracene	14.05	228	140707	9.717 ng		98
82) Chrysene	14.09	228	127919	9.098 ng		97
85) Indeno(1,2,3-cd)pyrene	17.11	276	45678	4.104 ng		95
87) Benzo(b)fluoranthene	15.13	252	192859	15.941 ng	#	89
88) Benzo(k)fluoranthene	15.13	252	192859	16.929 ng	#	92
89) Benzo(a)pvrene	15.51	252	96639	8.945 ng	#	92
91) Benzo(a,h,i)perylene	17.58	276	44525	5.457 ng	#	84

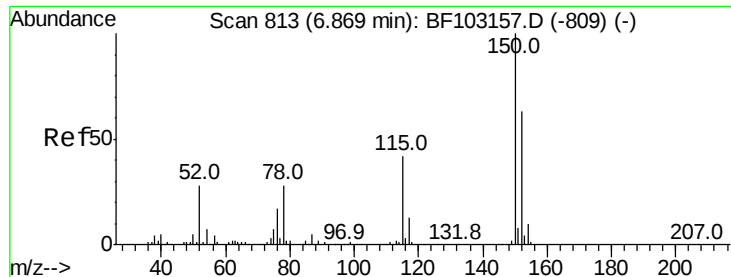
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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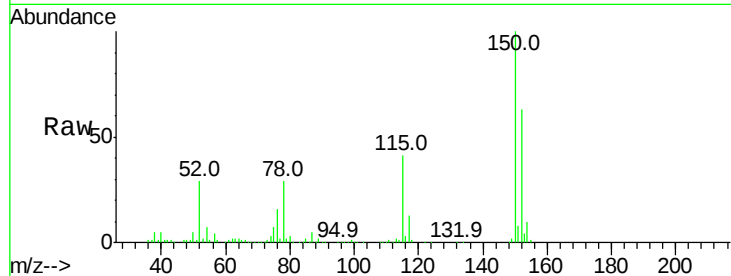


#1

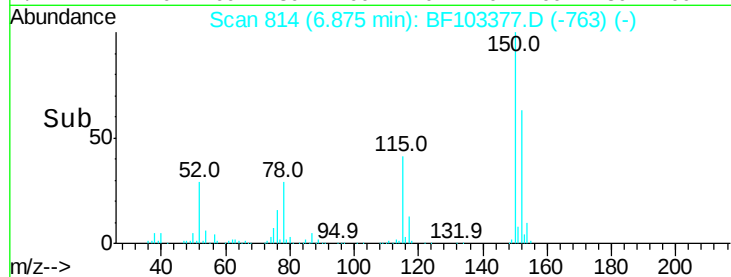
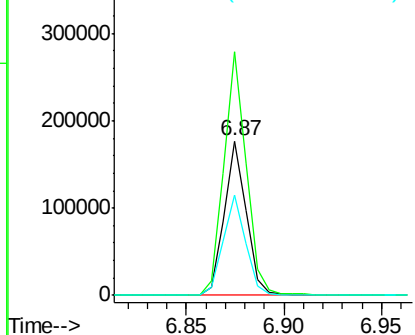
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Instrument :
BNA_F
ClientSampleId :
SP-48

Tot Ion:152 Resp: 139863
Ion Ratio Lower Upper
152 100
150 158.0 124.6 186.8
115 65.3 50.1 75.1



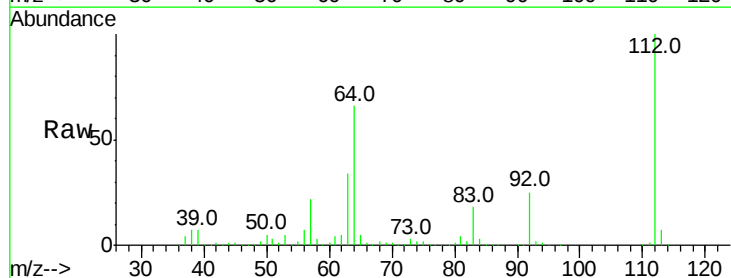
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



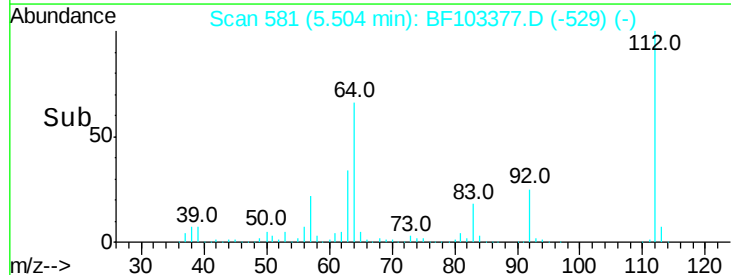
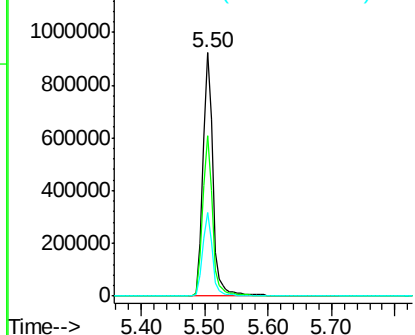
#5

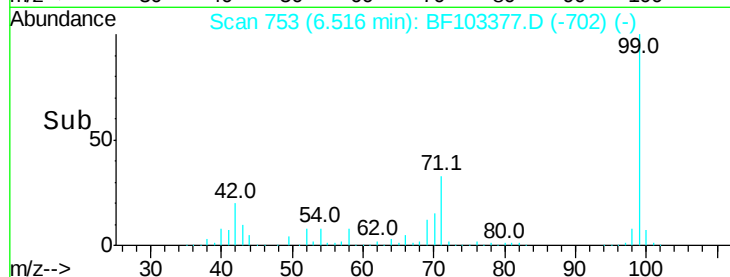
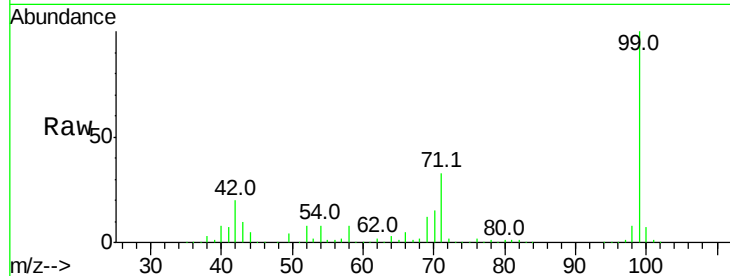
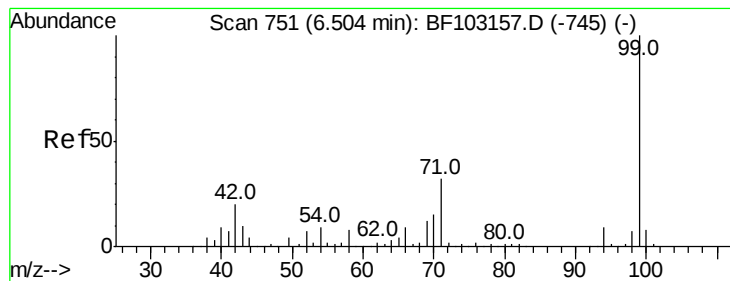
2-Fluorophenol
Concen: 108.186 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Tgt Ion:112 Resp: 1000462
Ion Ratio Lower Upper
112 100
64 65.9 47.9 71.9
63 34.3 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: 102.536 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF103377.D

Acq: 2 Mar 2018 20:37

Instrument :

BNA_F

ClientSampleId :

SP-48

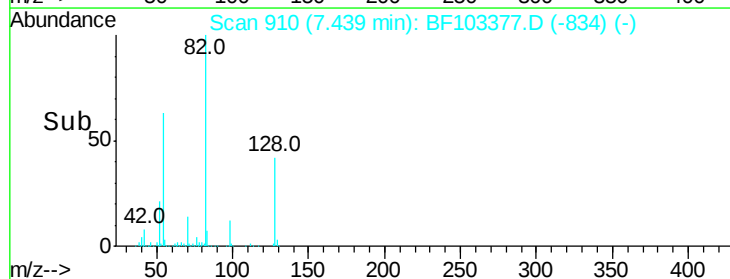
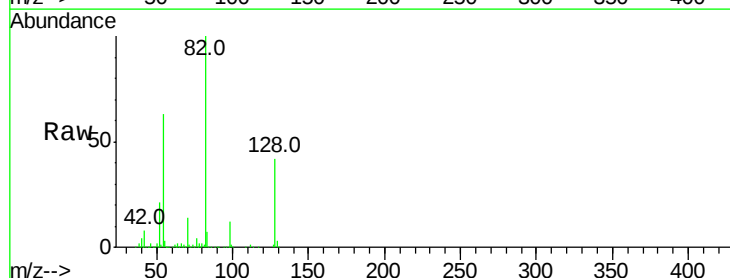
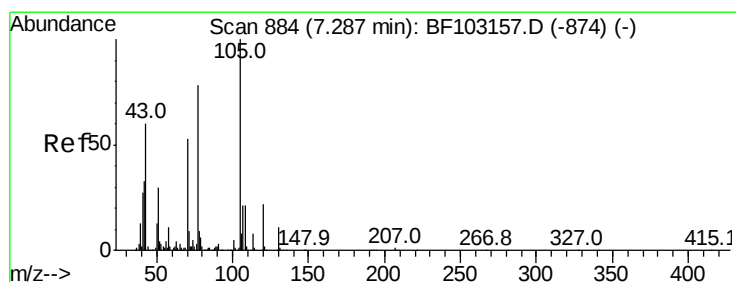
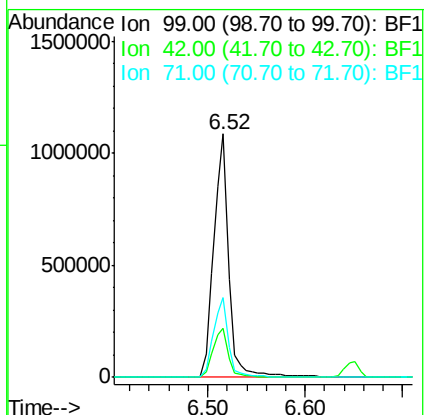
Tot Ion: 99 Resp: 1160282

Ion Ratio Lower Upper

99 100

42 19.9 14.5 21.7

71 32.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.387 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103377.D

Acq: 2 Mar 2018 20:37

Tgt Ion: 70 Resp: 108363

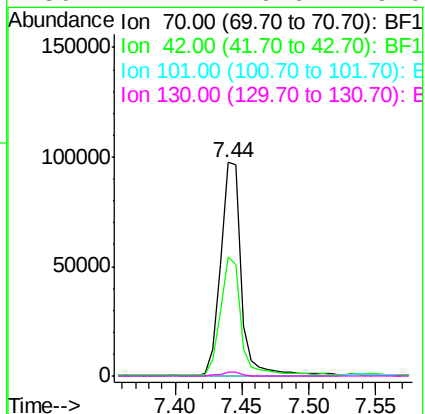
Ion Ratio Lower Upper

70 100

42 56.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

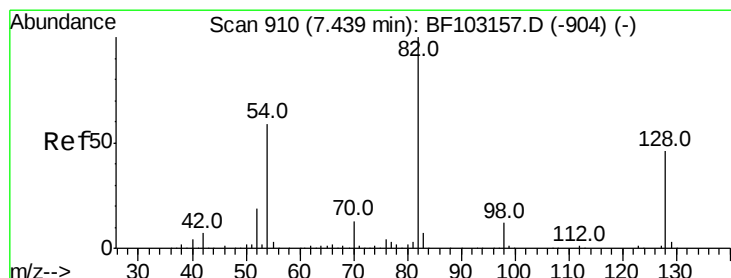
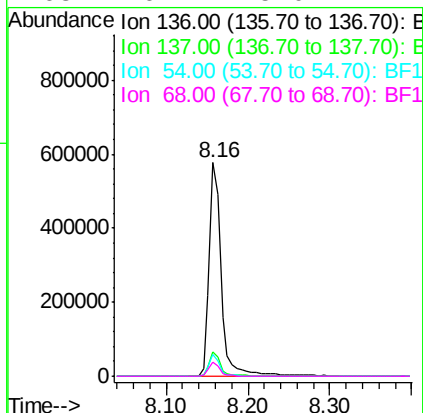
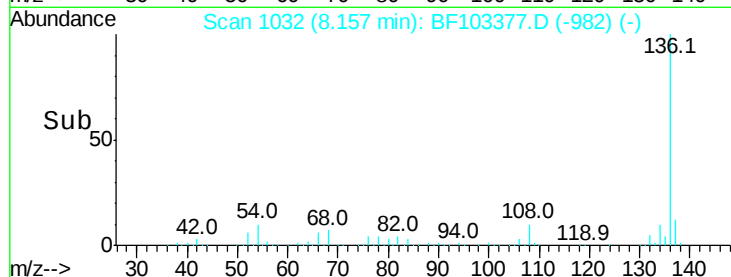
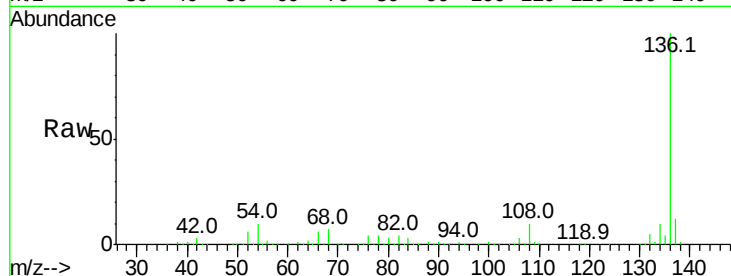




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

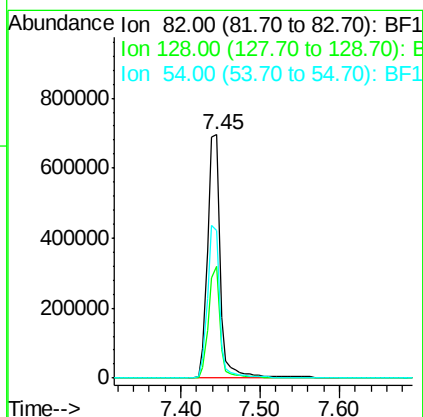
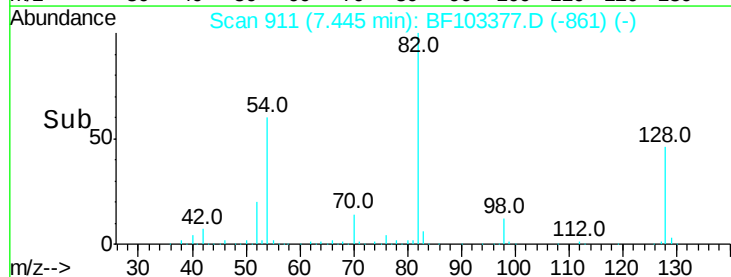
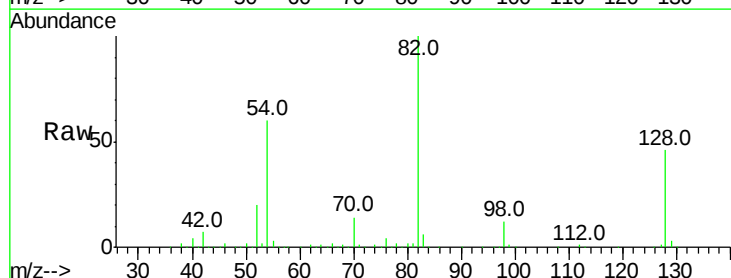
Instrument :
BNA_F
ClientSampleId :
SP-48

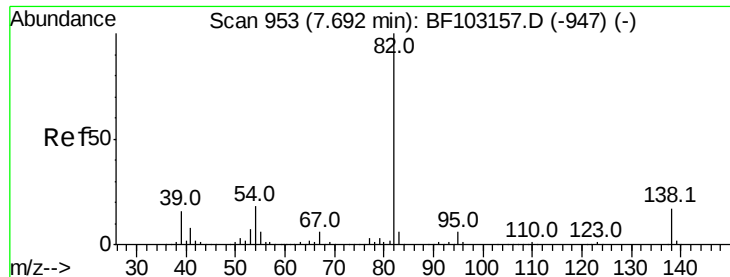
Tot Ion:	136	Resp:	597271
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.9	13.3
54	10.2	6.6	9.8#
68	6.7	5.0	7.4



#23
Nitrobenzene-d5
Concen: 75.228 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Tgt Ion:	82	Resp:	786773
Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.1	54.1
54	60.4	41.4	62.2





#25

Isophorone

Concen: 38.199 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF103377.D

Acq: 2 Mar 2018 20:37

Instrument :

BNA_F

ClientSampleId :

SP-48

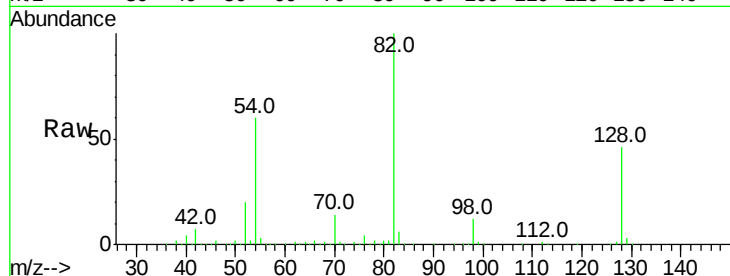
Tot Ion: 82 Resp: 786838

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

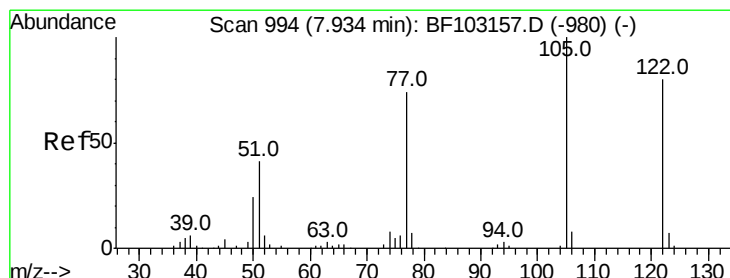
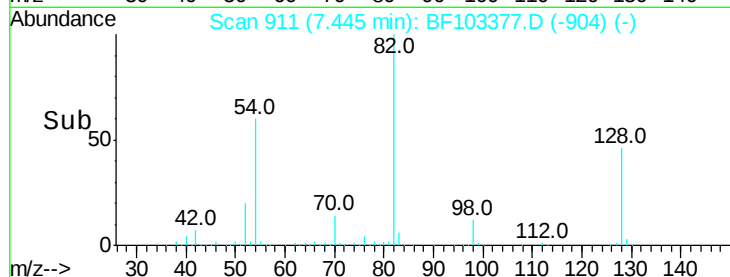
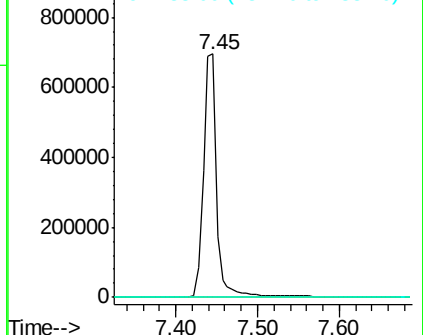
138 0.0 14.9 22.3#



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: 6.929 ng

RT: 7.99 min Scan# 1003

Delta R.T. 0.02 min

Lab File: BF103377.D

Acq: 2 Mar 2018 20:37

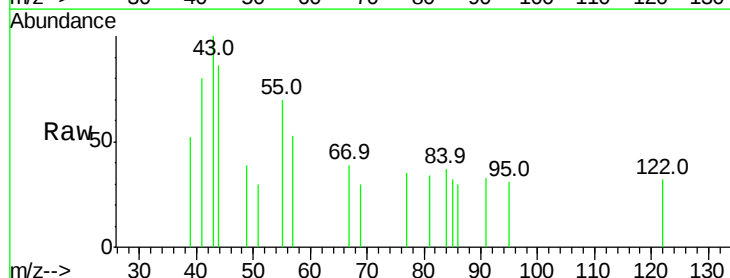
Tgt Ion:122 Resp: 113

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

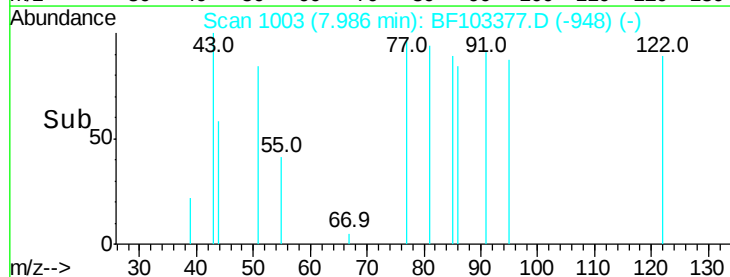
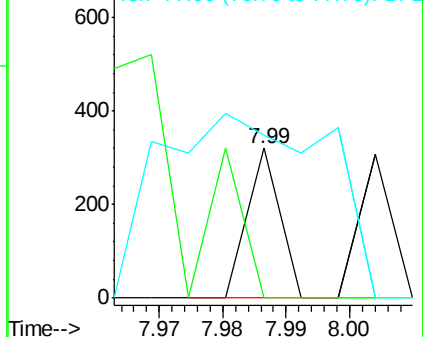
77 108.4 70.7 110.7

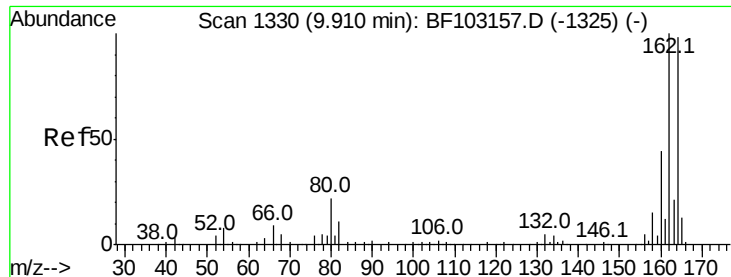


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

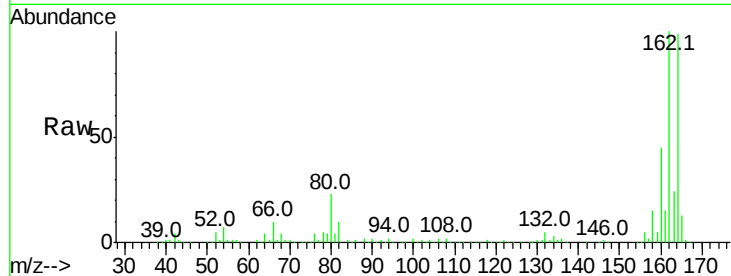




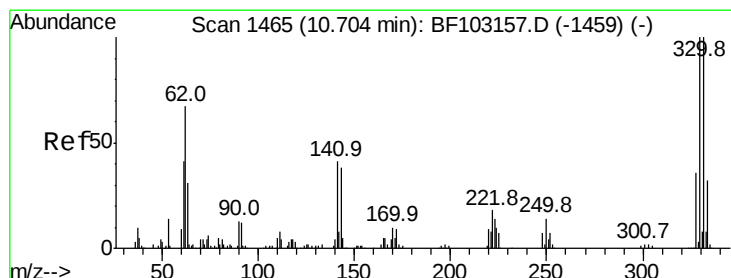
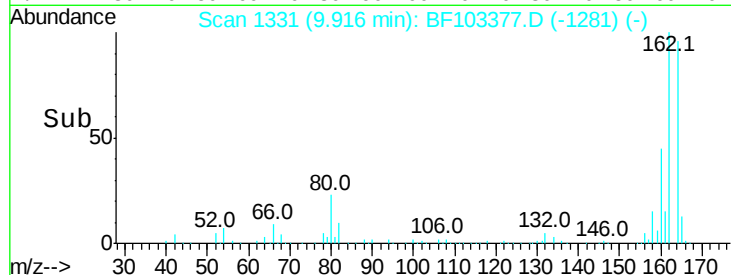
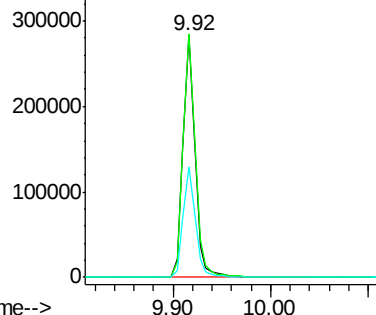
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Instrument :
BNA_F
ClientSampleId :
SP-48

Tot Ion:164 Resp: 247034
Ion Ratio Lower Upper
164 100
162 100.6 86.1 129.1
160 45.5 38.3 57.5

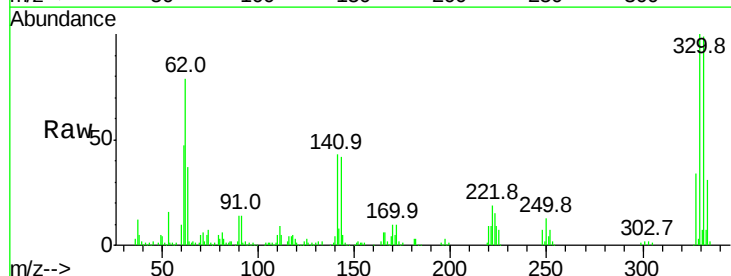


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

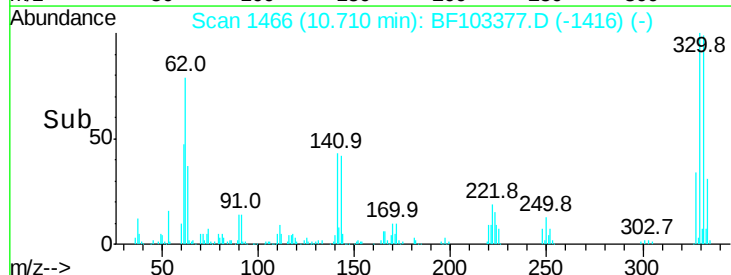
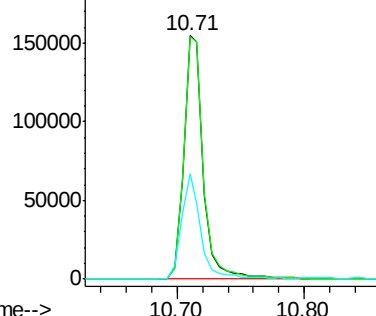


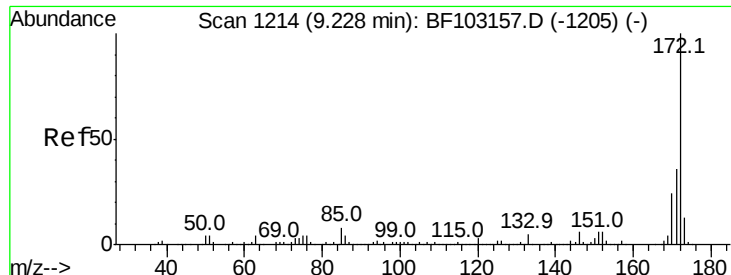
#41
2,4,6-Tribromophenol
Concen: 80.109 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Tgt Ion:330 Resp: 167508
Ion Ratio Lower Upper
330 100
332 101.6 77.0 115.6
141 41.8 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

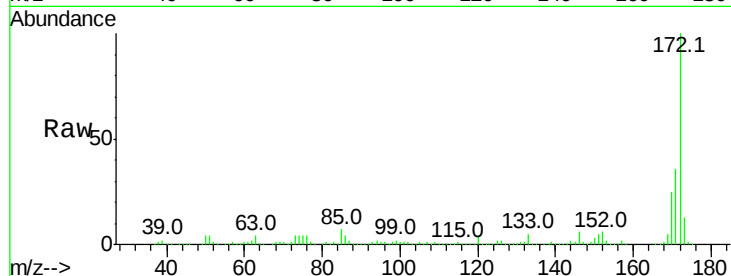




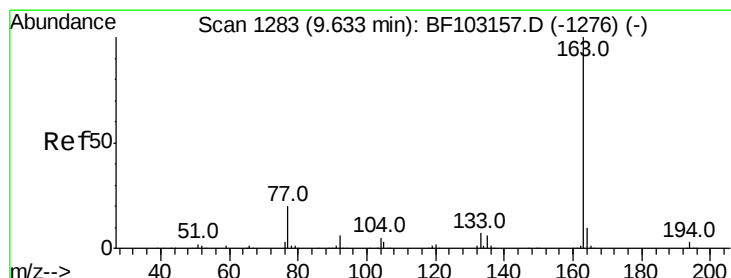
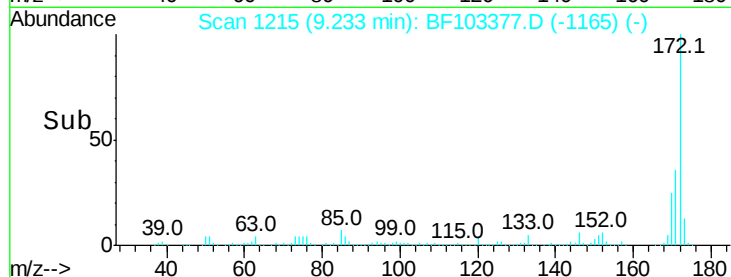
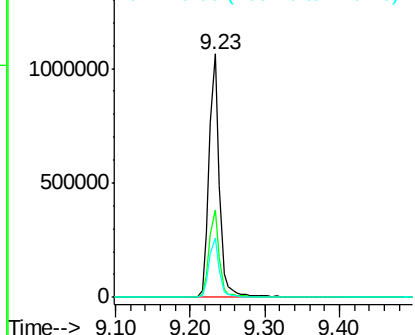
#44
2-Fluorobiphenyl
Concen: 68.845 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Instrument :
BNA_F
ClientSampled :
SP-48

Tot Ion:172 Resp: 1033549
Ion Ratio Lower Upper
172 100
171 35.7 29.7 44.5
170 24.6 19.6 29.4

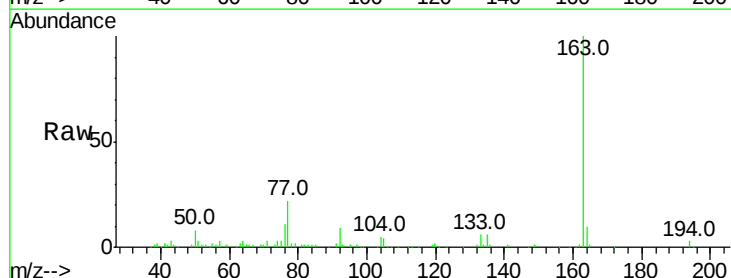


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

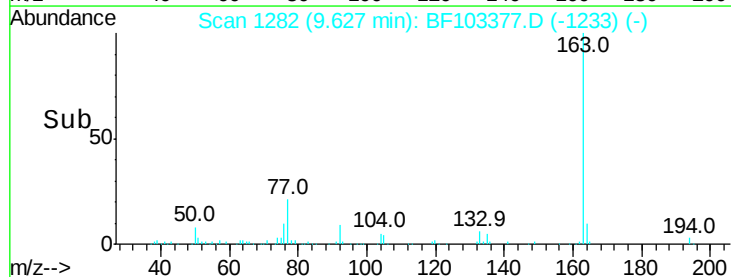
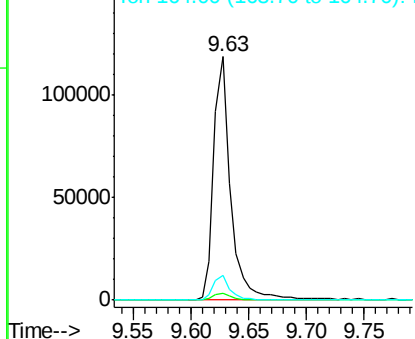


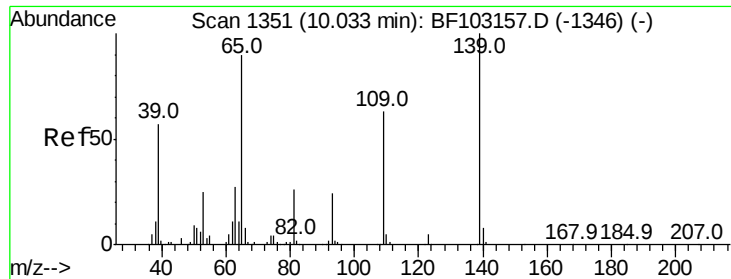
#49
Dimethylphthalate
Concen: 6.167 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Tgt Ion:163 Resp: 122211
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 9.9 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: 2.837 ng

RT: 10.13 min Scan# 1367

Delta R.T. 0.07 min

Lab File: BF103377.D

Acq: 2 Mar 2018 20:37

Instrument :

BNA_F

ClientSampled :

SP-48

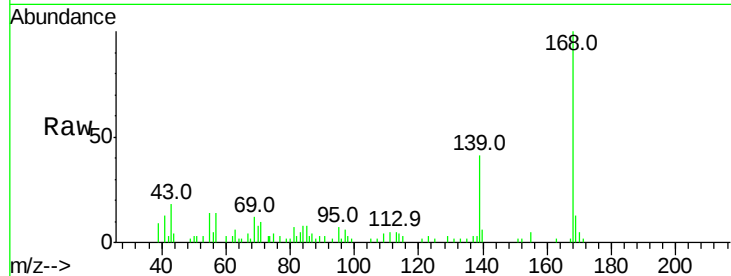
Tot Ion:139 Resp: 9276

Ion Ratio Lower Upper

139 100

109 8.8 48.4 88.4#

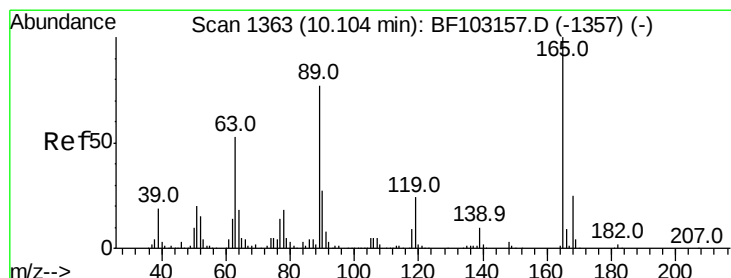
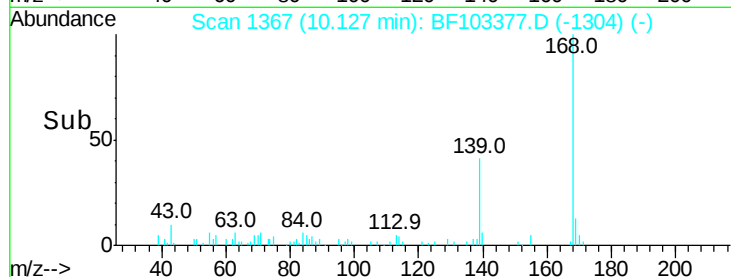
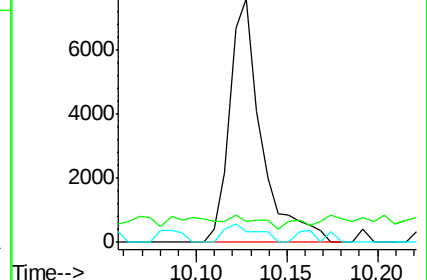
65 4.6 72.6 112.6#



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: 6.280 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.21 min

Lab File: BF103377.D

Acq: 2 Mar 2018 20:37

Tgt Ion:165 Resp: 33031

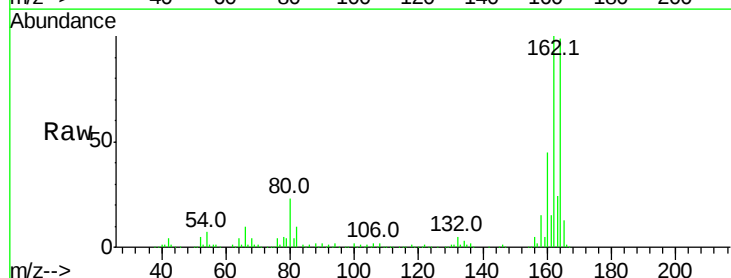
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.6 57.8 86.6#

182 0.0 1.6 2.4#

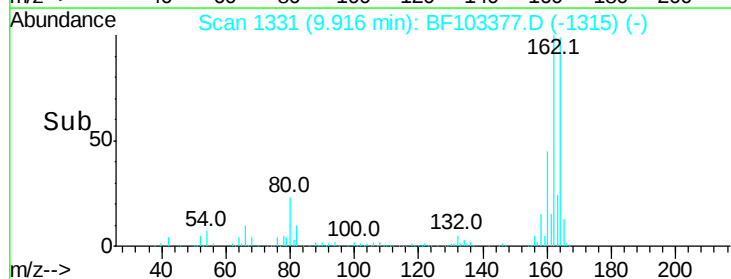
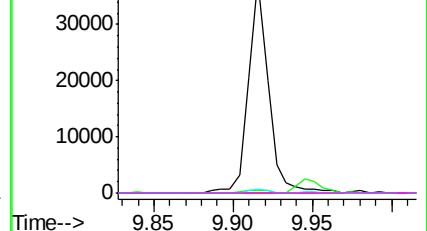


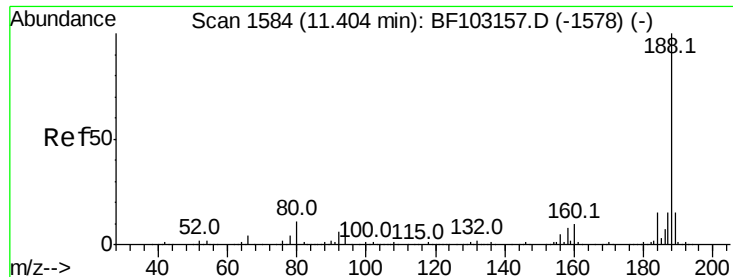
Abundance Ion 165.00 (164.70 to 165.70): E

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

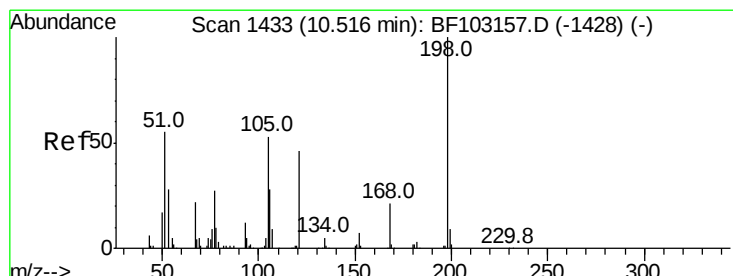
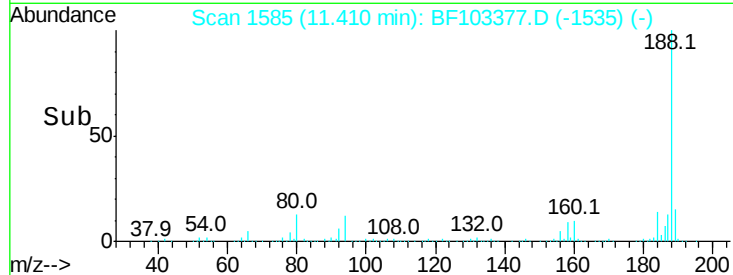
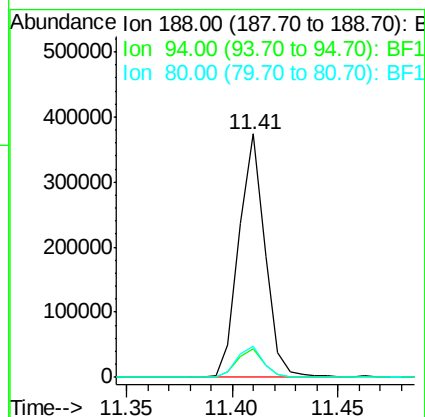
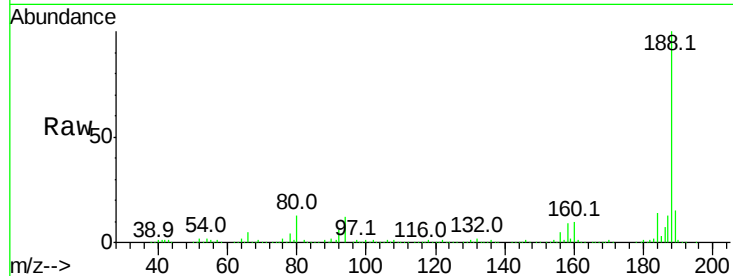




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

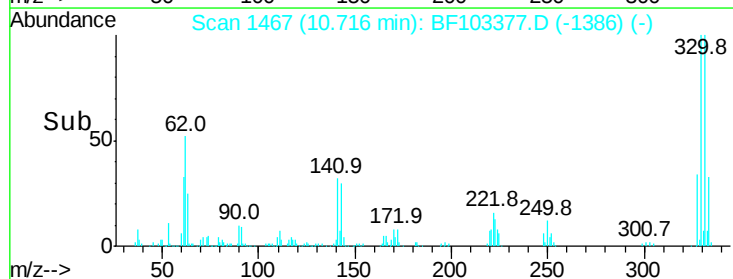
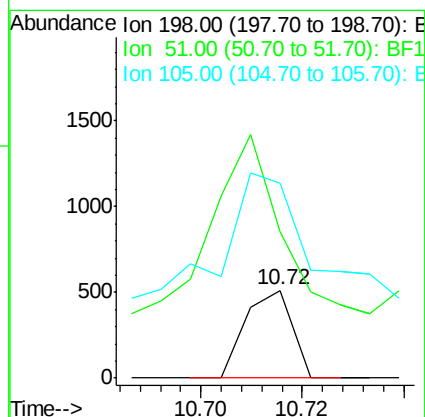
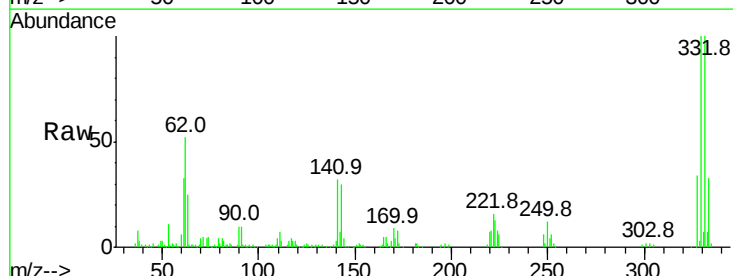
Instrument :
BNA_F
ClientSampled :
SP-48

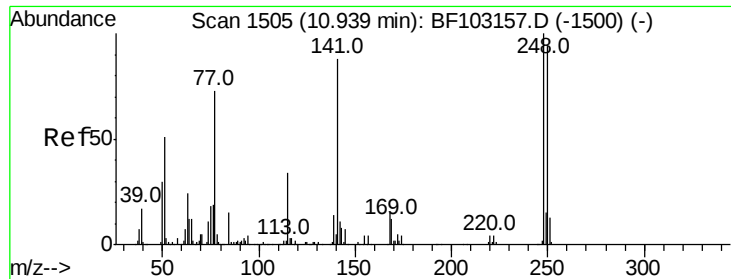
Tot Ion:188 Resp: 320122
Ion Ratio Lower Upper
188 100
94 11.6 8.5 12.7
80 12.7 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.095 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.18 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Tgt Ion:198 Resp: 326
Ion Ratio Lower Upper
198 100
51 165.9 37.7 77.7#
105 221.8 36.3 76.3#

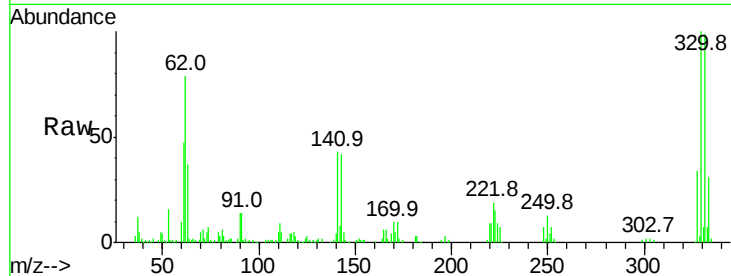




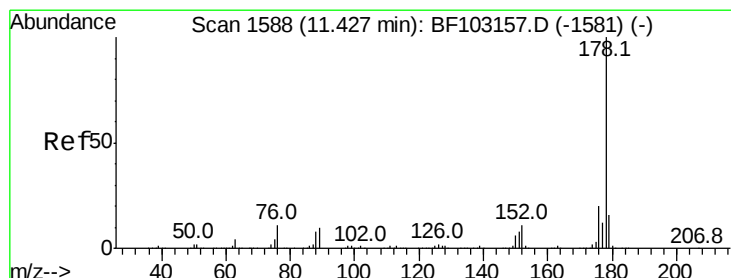
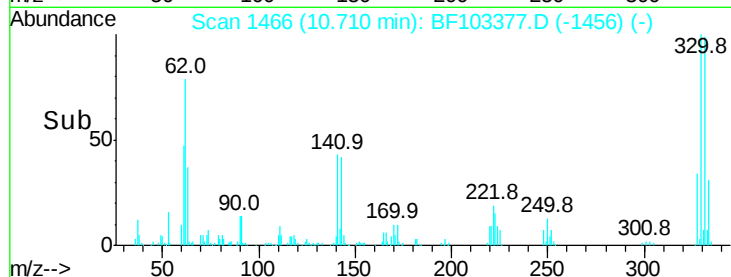
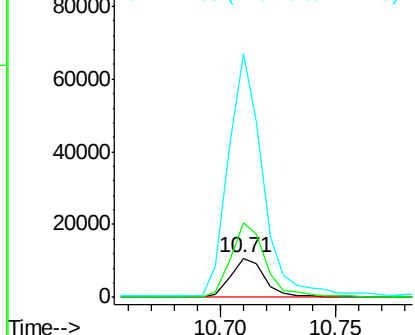
#66
4-Bromophenyl-phenylether
Concen: 3.341 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Instrument :
BNA_F
ClientSampleId :
SP-48

Tot Ion:248 Resp: 11142
Ion Ratio Lower Upper
248 100
250 191.8 76.9 115.3#
141 621.5 74.4 111.6#

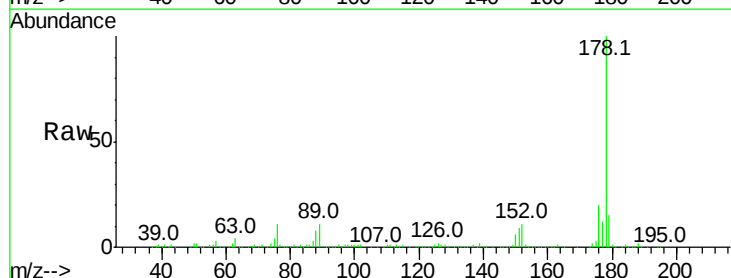


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

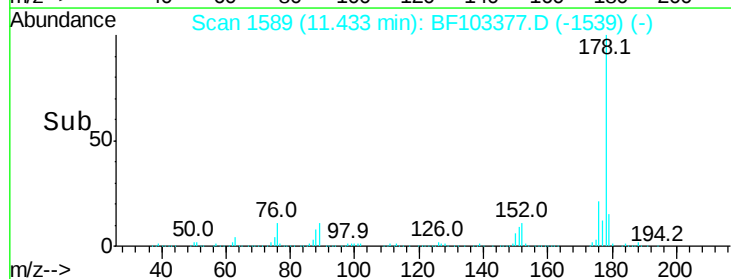
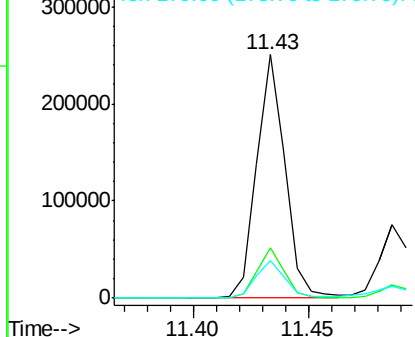


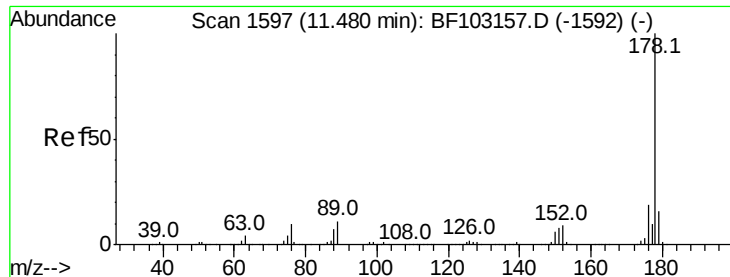
#70
Phenanthrene
Concen: 12.234 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Tgt Ion:178 Resp: 215523
Ion Ratio Lower Upper
178 100
176 20.5 15.8 23.8
179 15.5 13.0 19.6



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

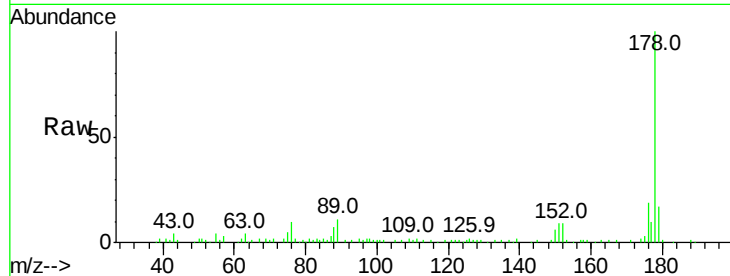




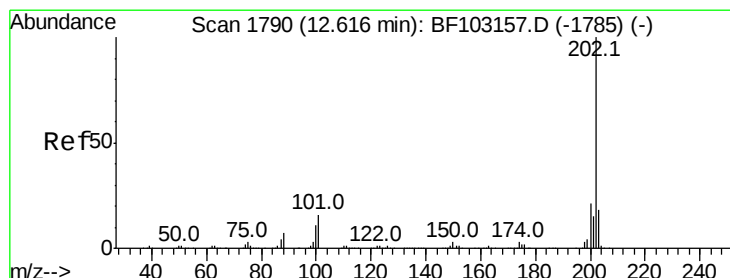
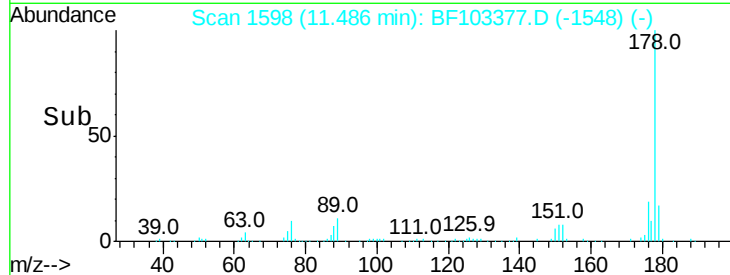
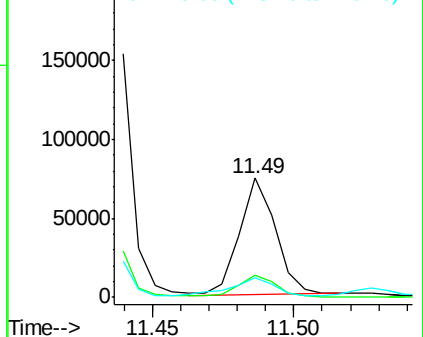
#71
 Anthracene
 Concen: 3.674 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF103377.D
 Acq: 2 Mar 2018 20:37

Instrument :
 BNA_F
 ClientSampleId :
 SP-48

Tot Ion:178 Resp: 66366
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.2
 179 16.9 12.6 19.0

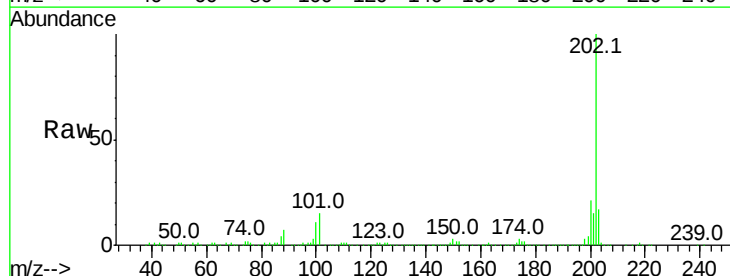


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

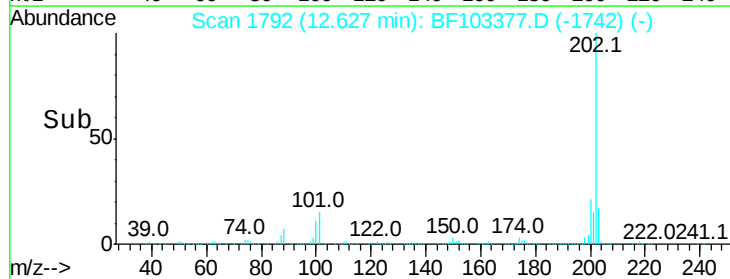
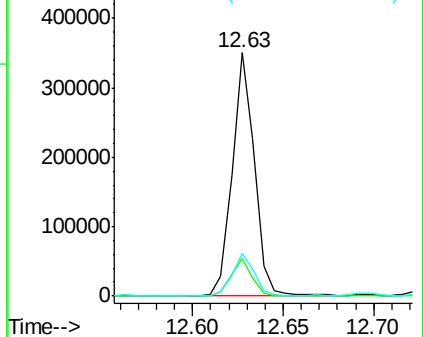


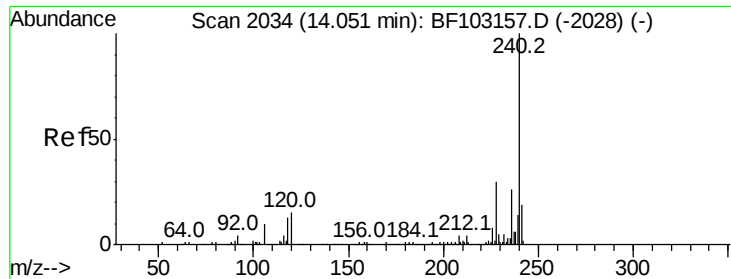
#74
 Fluoranthene
 Concen: 16.826 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: BF103377.D
 Acq: 2 Mar 2018 20:37

Tgt Ion:202 Resp: 297874
 Ion Ratio Lower Upper
 202 100
 101 15.3 0.0 34.1
 203 17.3 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: BF103377.D

Acq: 2 Mar 2018 20:37

Instrument :

BNA_F

ClientSampleId :

SP-48

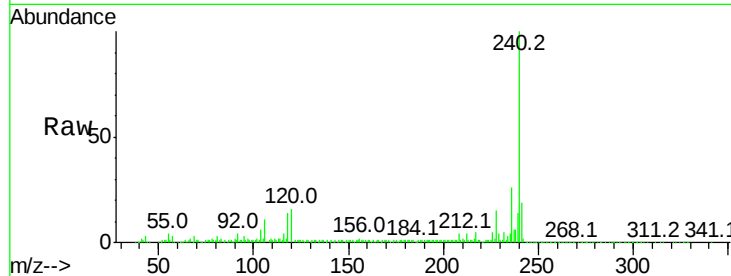
Tot Ion:240 Resp: 223178

Ion Ratio Lower Upper

240 100

120 15.8 9.5 14.3#

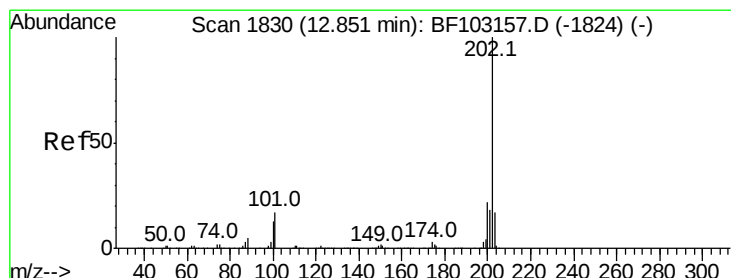
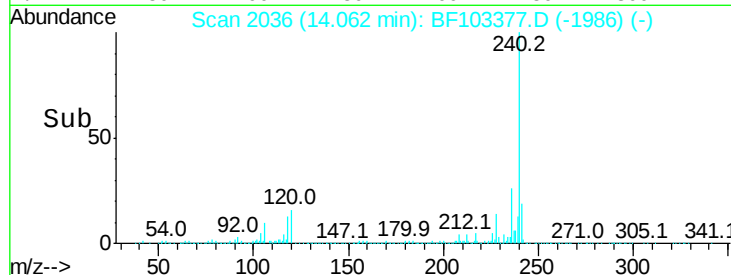
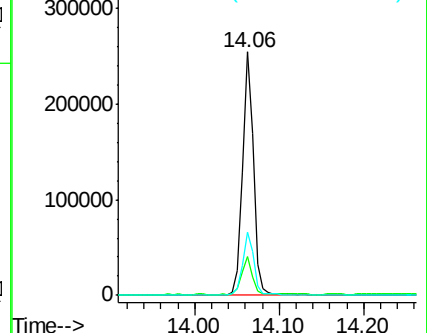
236 25.8 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 15.515 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF103377.D

Acq: 2 Mar 2018 20:37

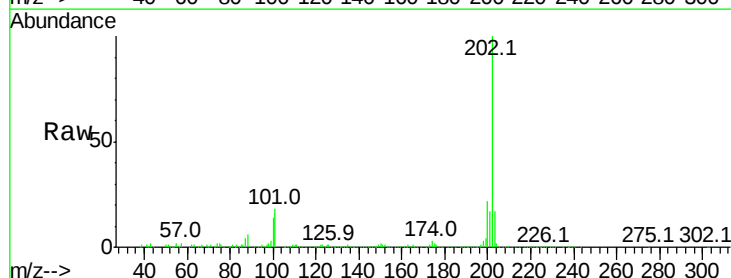
Tgt Ion:202 Resp: 269964

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

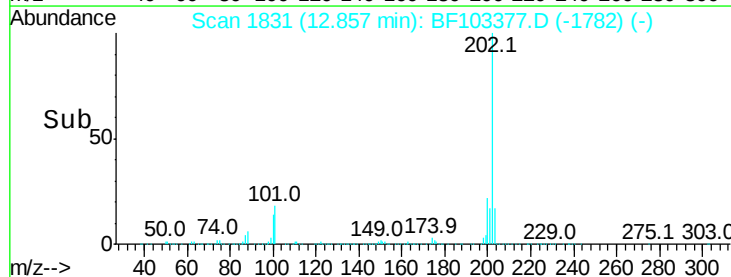
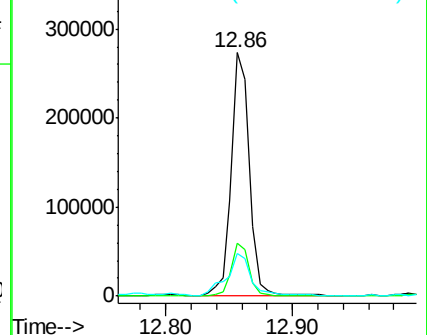
203 17.3 14.3 21.5

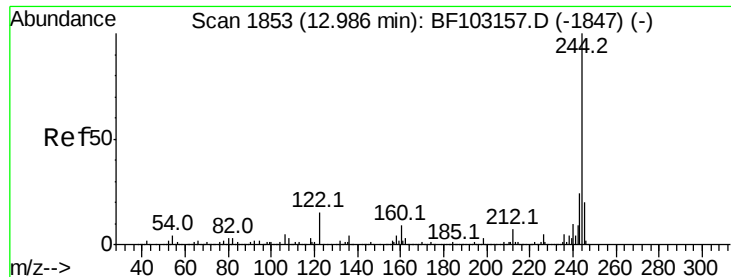


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 64.524 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF103377.D

Acq: 2 Mar 2018 20:37

Instrument :

BNA_F

ClientSampleId :

SP-48

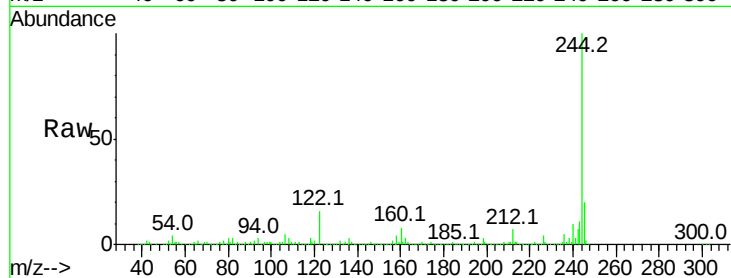
Tot Ion:244 Resp: 599045

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

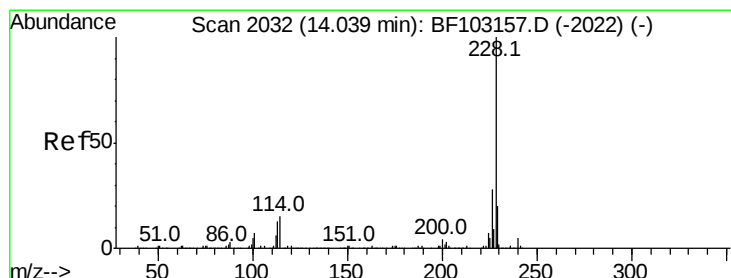
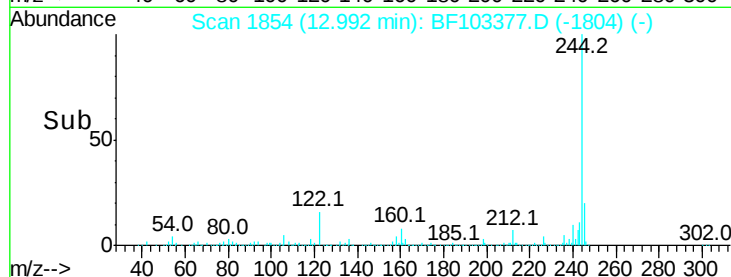
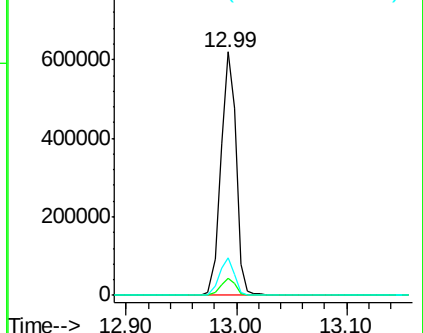
122 15.6 11.0 16.4



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: 9.717 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103377.D

Acq: 2 Mar 2018 20:37

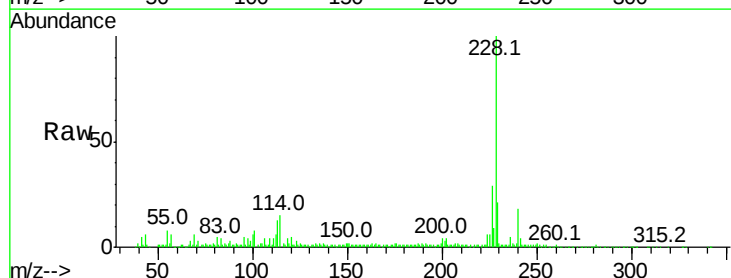
Tgt Ion:228 Resp: 140707

Ion Ratio Lower Upper

228 100

226 28.6 22.6 33.8

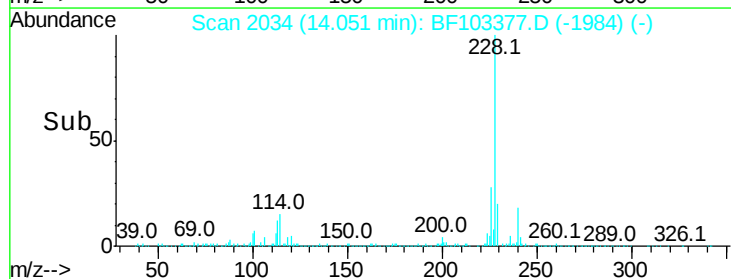
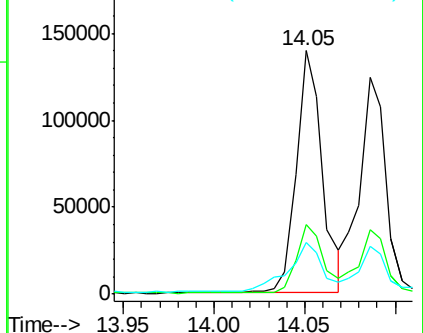
229 21.5 15.8 23.6

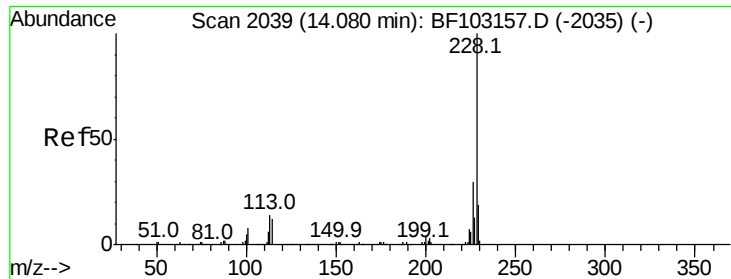


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

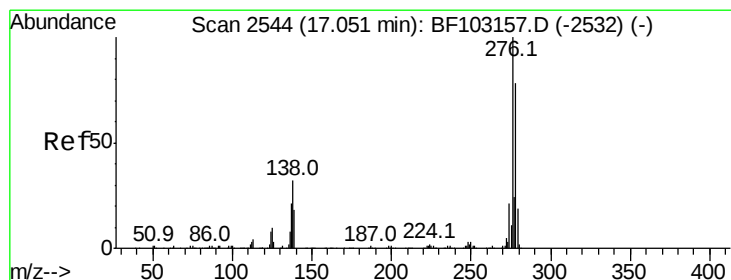
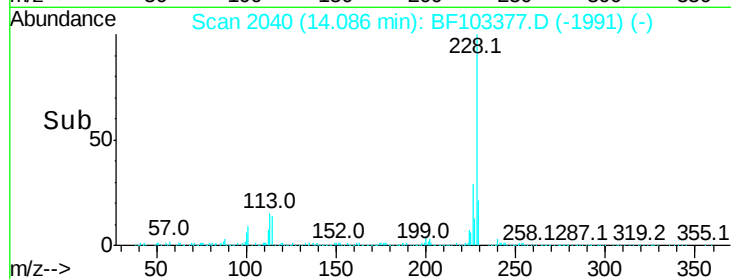
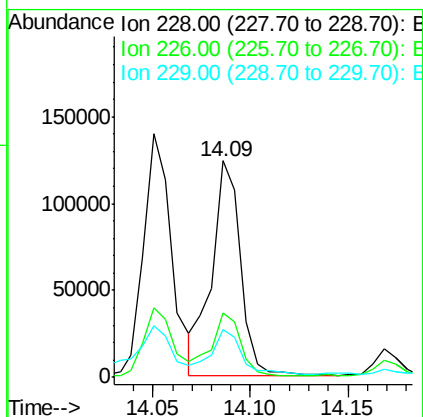
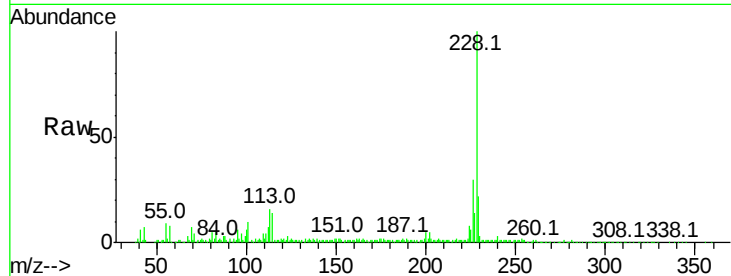




#82
Chrysene
Concen: 9.098 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

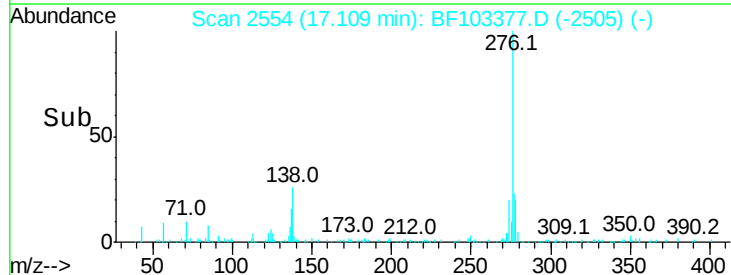
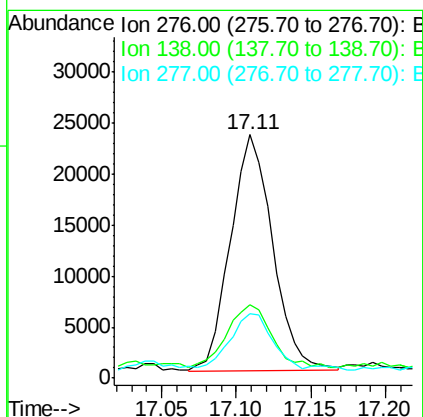
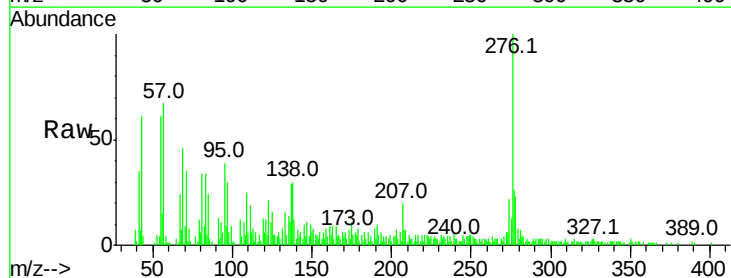
Instrument :
BNA_F
ClientSampleId :
SP-48

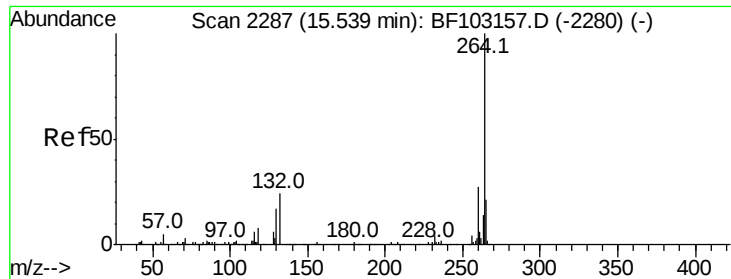
Tot Ion:228 Resp: 127919
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 22.1 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.104 ng
RT: 17.11 min Scan# 2554
Delta R.T. -0.01 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Tgt Ion:276 Resp: 45678
Ion Ratio Lower Upper
276 100
138 27.8 25.0 37.6
277 23.5 20.1 30.1

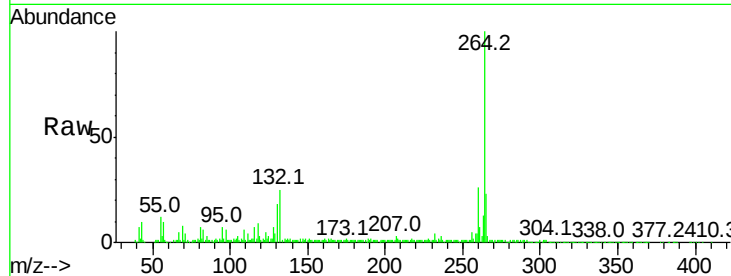




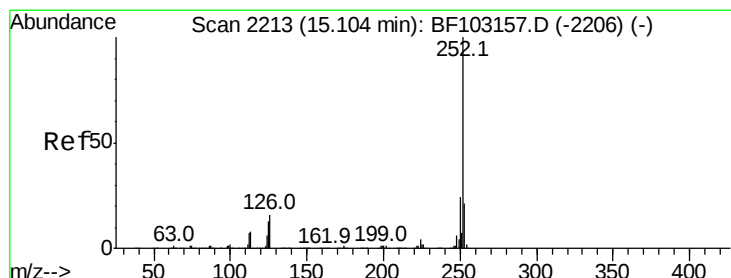
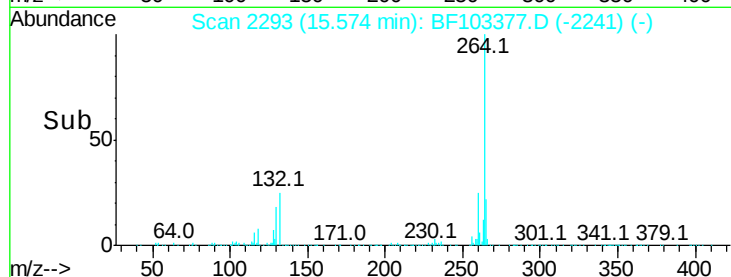
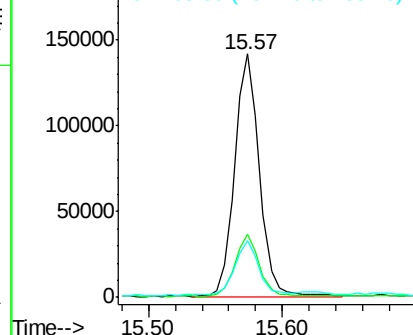
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.01 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Instrument :
BNA_F
ClientSampleId :
SP-48

Tot Ion:264 Resp: 184004
Ion Ratio Lower Upper
264 100
260 25.7 19.2 28.8
265 23.1 17.5 26.3

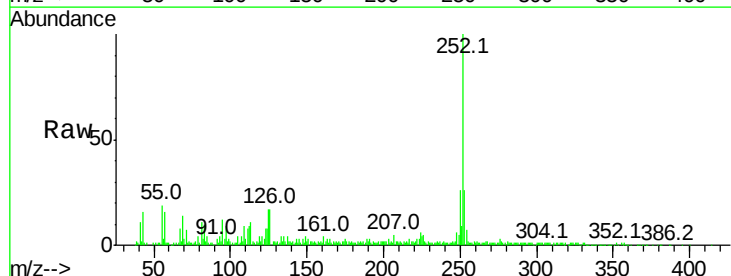


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

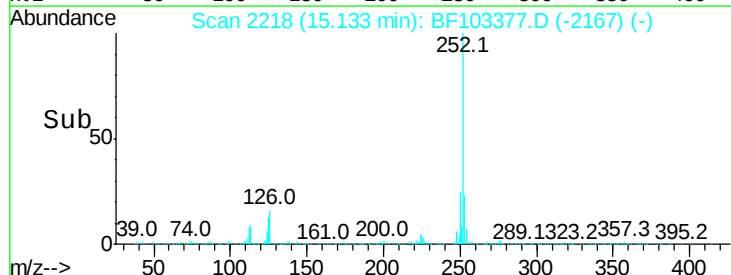
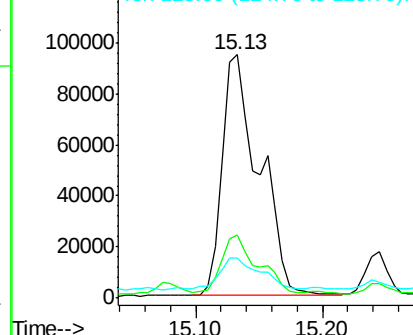


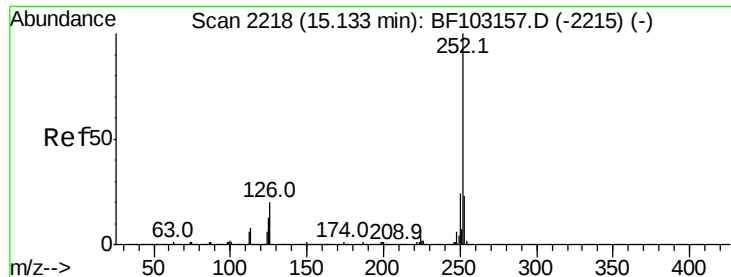
#87
Benzo(b)fluoranthene
Concen: 15.941 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Tgt Ion:252 Resp: 192859
Ion Ratio Lower Upper
252 100
253 25.8 17.0 25.6#
125 16.7 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

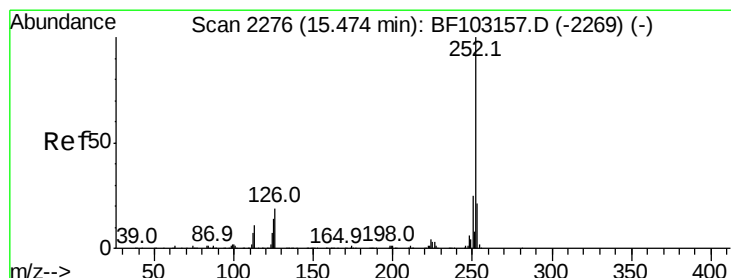
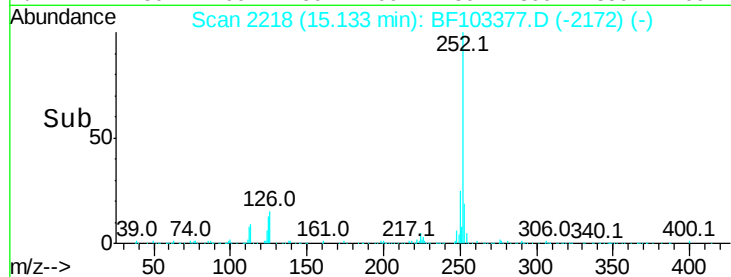
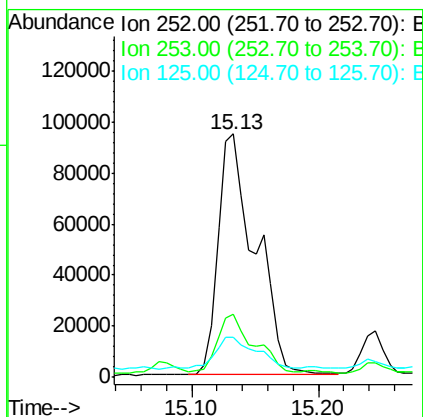
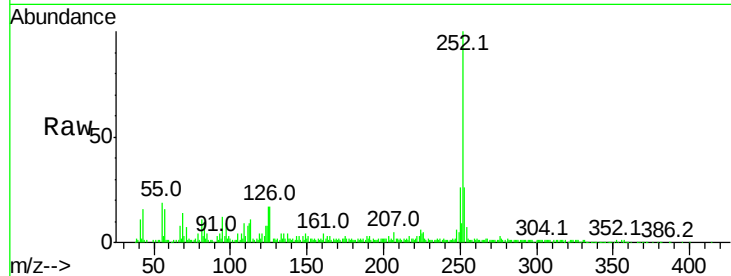




#88
Benzo(k)fluoranthene
Concen: 16.929 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

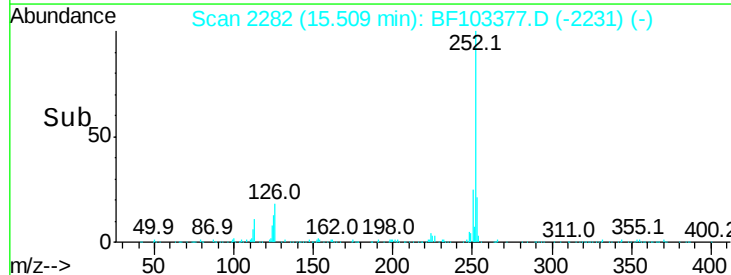
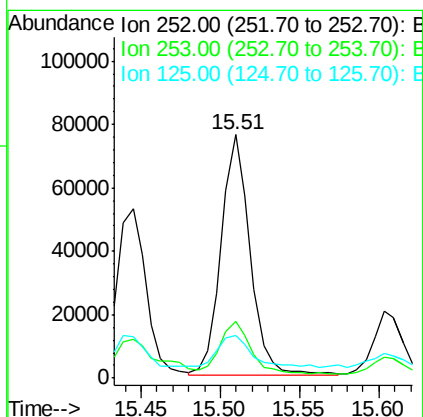
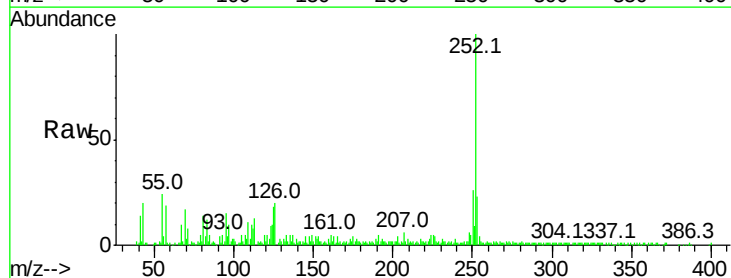
Instrument :
BNA_F
ClientSampleId :
SP-48

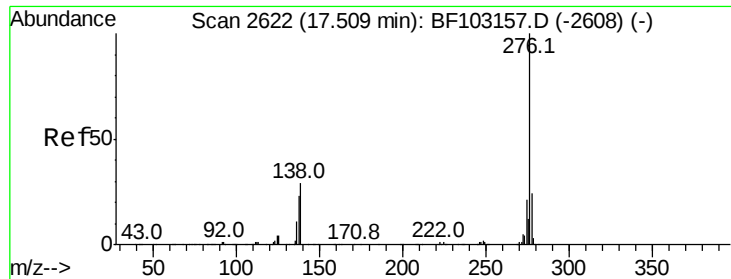
Tot Ion:252 Resp: 192859
Ion Ratio Lower Upper
252 100
253 25.8 17.9 26.9
125 16.7 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 8.945 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.00 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Tgt Ion:252 Resp: 96639
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 17.6 9.8 14.6#

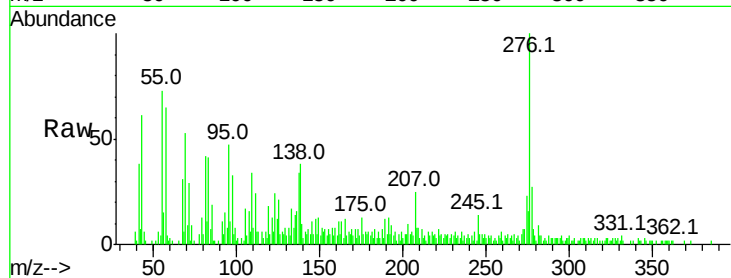




#91
 Benzo(a,h,i)perylene
 Concen: 5.457 ng
 RT: 17.58 min Scan# 2634
 Delta R.T. -0.00 min
 Lab File: BF103377.D
 Acq: 2 Mar 2018 20:37

Instrument :
 BNA_F
 ClientSampleId :
 SP-48

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	26.8	17.9	26.9	
138	38.3	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

