

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030118\
 Data File : BF103336.D
 Acq On : 1 Mar 2018 15:02
 Operator : SJ/JU
 Sample : J1721-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 02 09:25:09 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	143737	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	561607	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	208406	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	301090	20.00	ng	0.00
75) Chrysene-d12	14.08	240	222205	20.00	ng	0.02
86) Perylene-d12	15.60	264	159673	20.00	ng	0.04

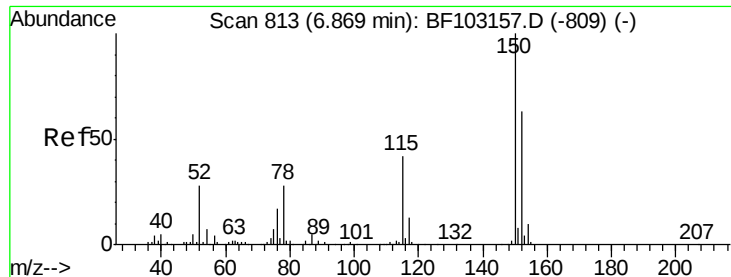
System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	976285	102.73	ng	0.01
7) Phenol-d6	6.52	99	1154585	99.28	ng	0.00
23) Nitrobenzene-d5	7.44	82	750932	76.36	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	139034	78.82	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	974215	79.22	ng	0.00
78) Terphenyl-d14	13.00	244	631892	68.36	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.44	77	996	Below Cal	#	56
19) n-Nitroso-di-n-propylamine	7.44	70	102813	14.205 ng	#	86
25) Isophorone	7.44	82	750932	38.771 ng	#	64
49) Dimethylphthalate	9.63	163	87339	5.224 ng		99
56) 2,4-Dinitrotoluene	9.92	165	29861	6.730 ng	#	24
64) 4,6-Dinitro-2-methylphenol	10.71	198	224	5.055 ng	#	1
66) 4-Bromophenyl-phenylether	10.71	248	9961	3.176 ng	#	1
70) Phenanthrene	11.43	178	155528	9.386 ng		98
71) Anthracene	11.49	178	53571	3.153 ng		98
74) Fluoranthene	12.63	202	275947	16.572 ng		99
77) Pyrene	12.86	202	274603	15.851 ng		99
80) Benzo(a)anthracene	14.07	228	126106	8.747 ng		96
82) Chrysene	14.11	228	116434	8.317 ng		98
85) Indeno(1,2,3-cd)pyrene	17.13	276	40714	3.674 ng		98
87) Benzo(b)fluoranthene	15.16	252	152455	14.522 ng	#	83
88) Benzo(k)fluoranthene	15.16	252	152455	15.421 ng	#	86
89) Benzo(a)pyrene	15.53	252	76554	8.166 ng	#	85
91) Benzo(g,h,i)perylene	17.60	276	41285	5.831 ng	#	82

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

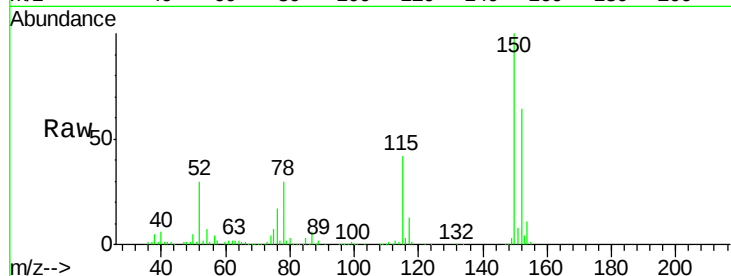


#1

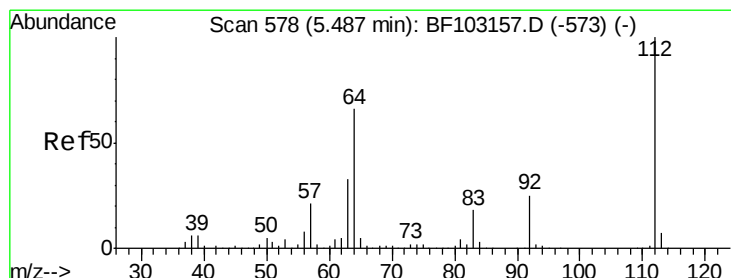
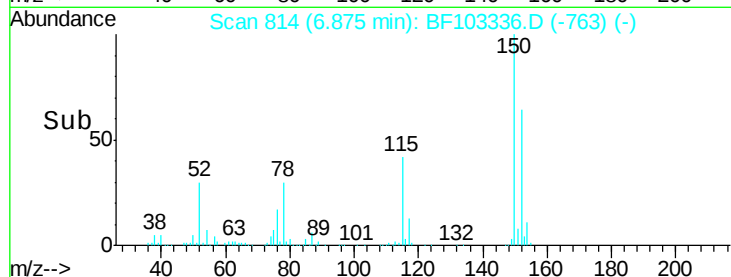
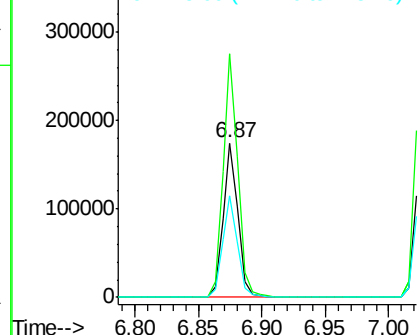
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103336.D
Acq: 1 Mar 2018 15:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 143737
Ion Ratio Lower Upper
152 100
150 157.5 124.6 186.8
115 66.0 50.1 75.1



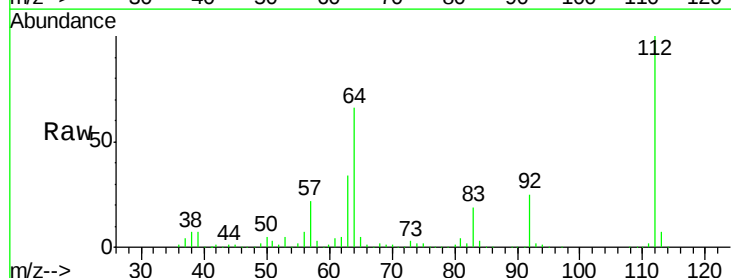
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



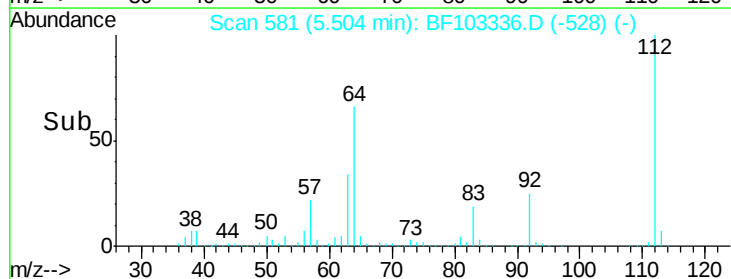
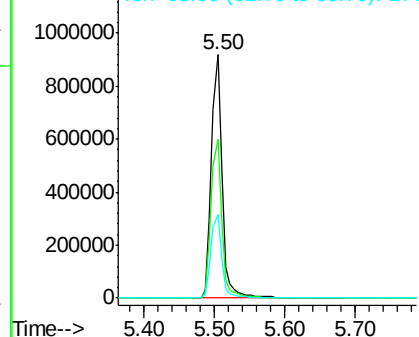
#5

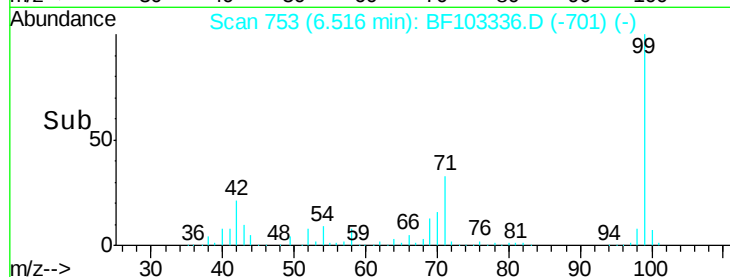
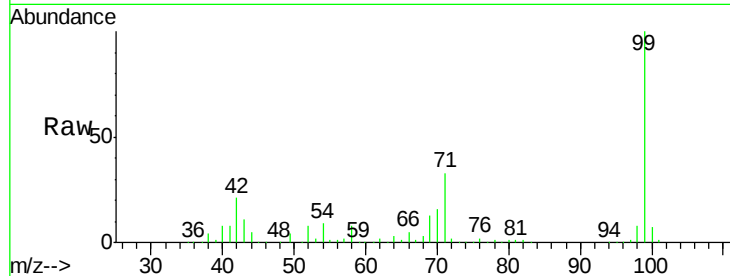
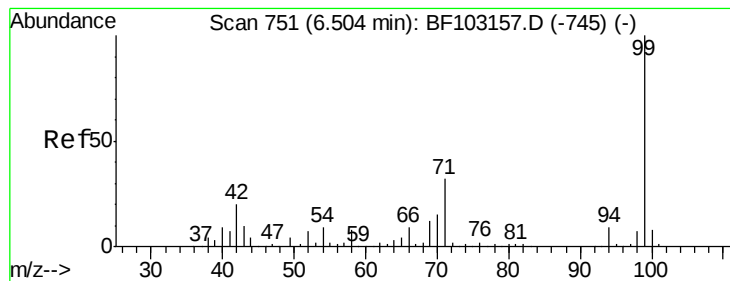
2-Fluorophenol
Concen: 102.727 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103336.D
Acq: 1 Mar 2018 15:02

Tgt Ion:112 Resp: 976285
Ion Ratio Lower Upper
112 100
64 65.6 47.9 71.9
63 34.5 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: 99.283 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103336.D

Acq: 1 Mar 2018 15:02

Instrument :

BNA_F

ClientSampled :

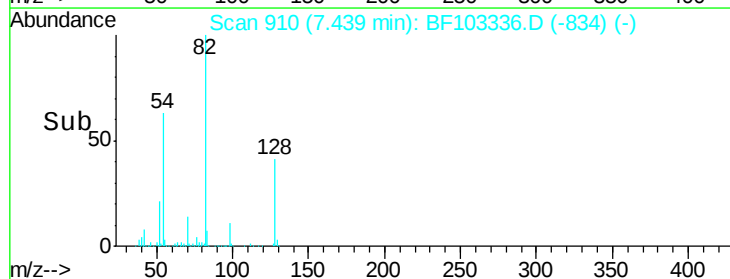
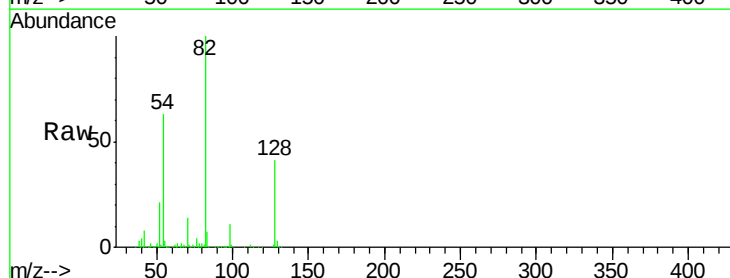
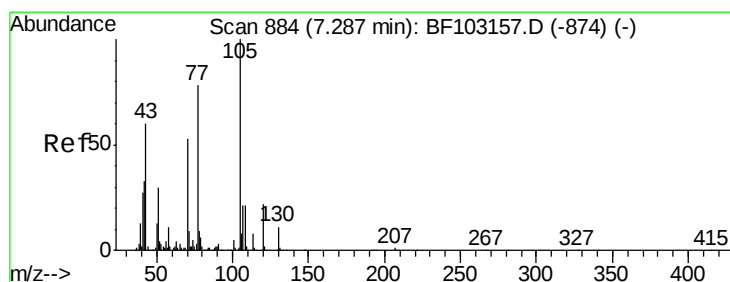
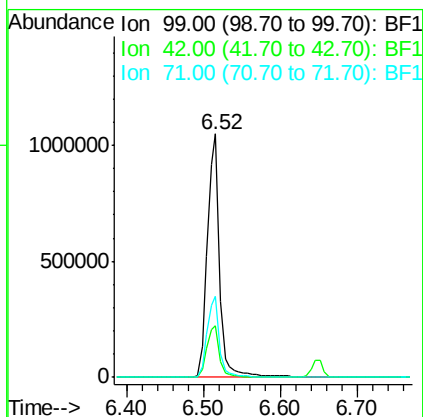
Tot Ion: 99 Resp: 1154585

Ion Ratio Lower Upper

99 100

42 21.3 14.5 21.7

71 33.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.205 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103336.D

Acq: 1 Mar 2018 15:02

Tgt Ion: 70 Resp: 102813

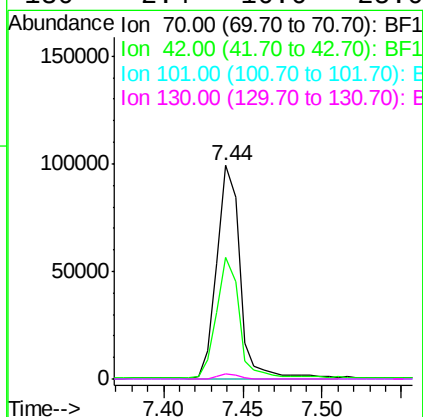
Ion Ratio Lower Upper

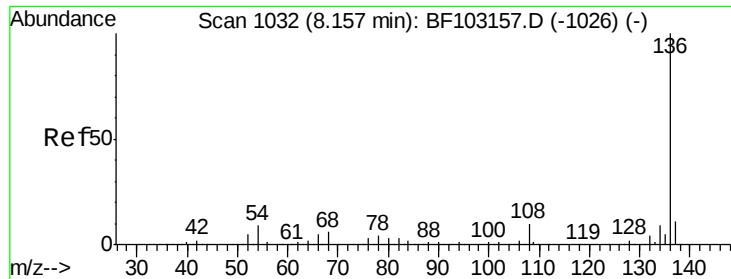
70 100

42 56.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

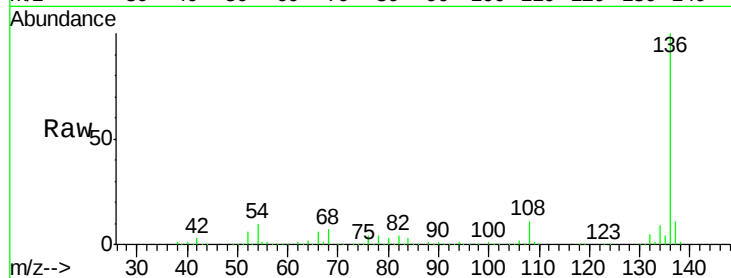




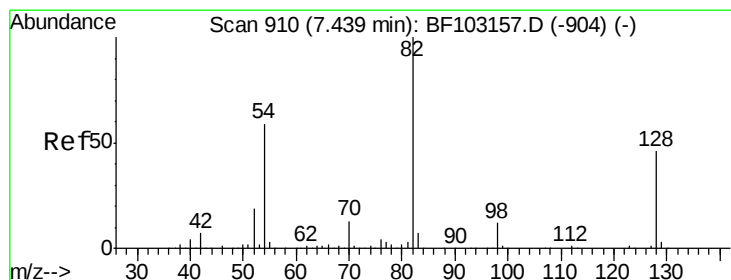
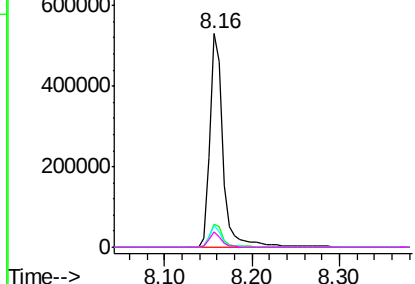
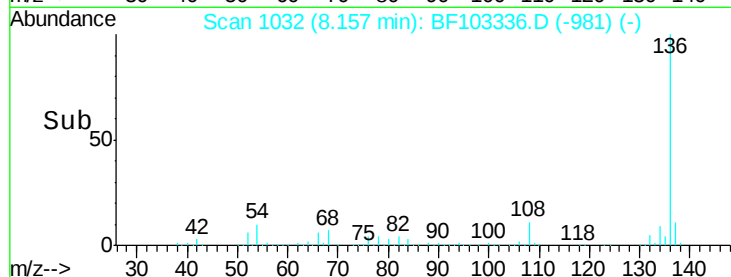
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF103336.D
Acq: 1 Mar 2018 15:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	561607
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	10.5	6.6 9.8#
68	7.1	5.0 7.4

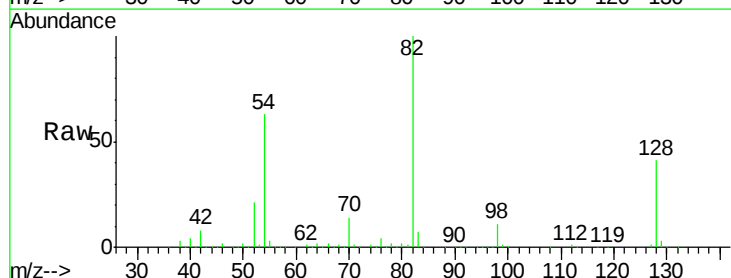


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

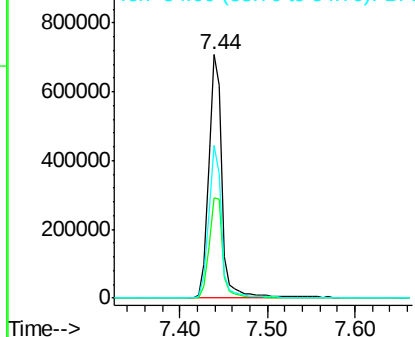
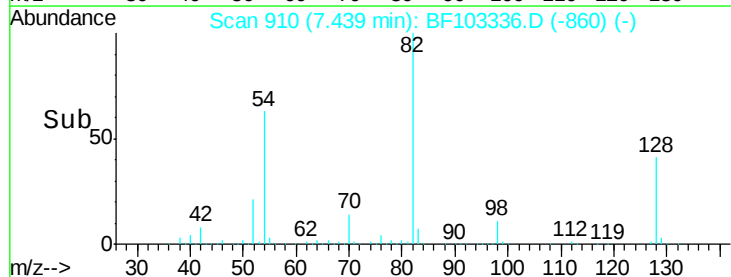


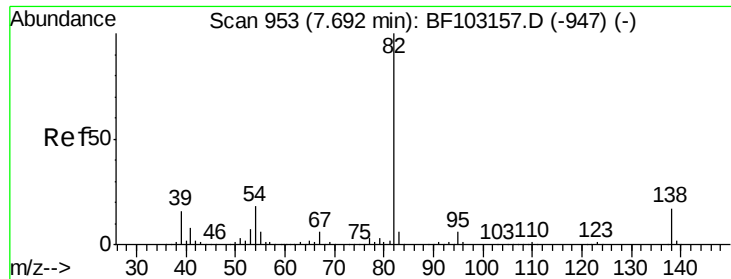
#23
Nitrobenzene-d5
Concen: 76.360 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103336.D
Acq: 1 Mar 2018 15:02

Tgt Ion: 82	Resp:	750932
Ion Ratio	Lower	Upper
82	100	
128	41.1	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: 38.771 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103336.D

Acq: 1 Mar 2018 15:02

Instrument :

BNA_F

ClientSampled :

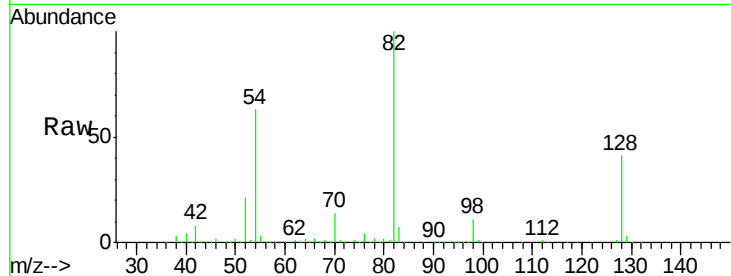
Tot Ion: 82 Resp: 750932

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

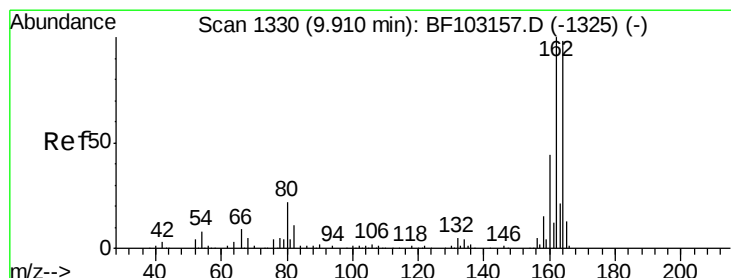
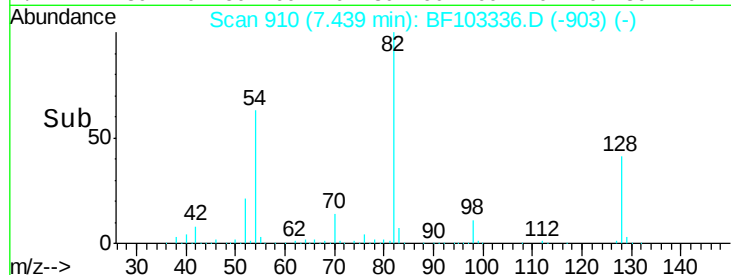
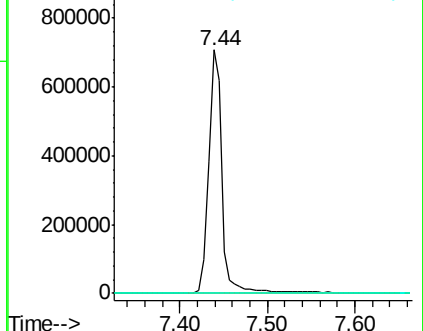
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF103336.D

Acq: 1 Mar 2018 15:02

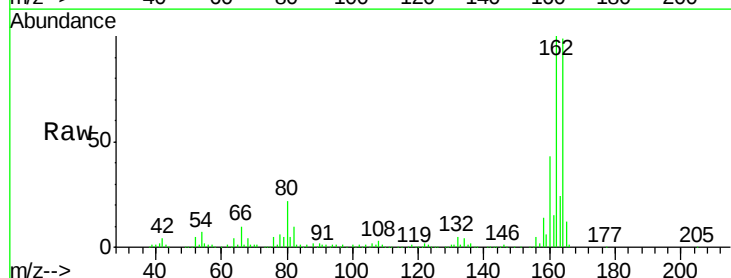
Tgt Ion: 164 Resp: 208406

Ion Ratio Lower Upper

164 100

162 100.9 86.1 129.1

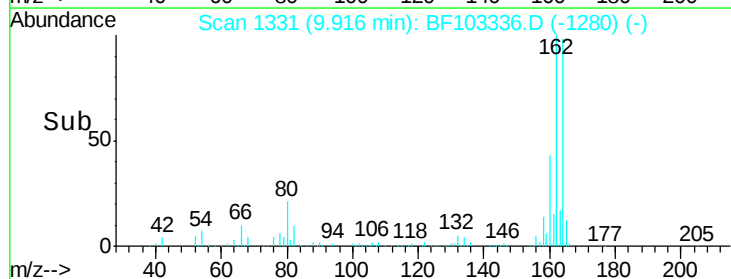
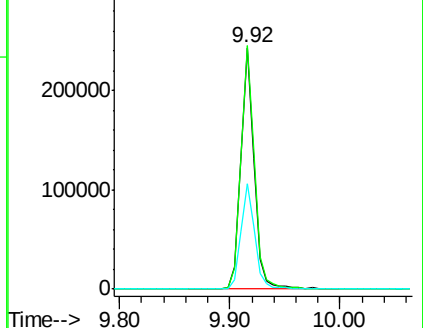
160 43.6 38.3 57.5

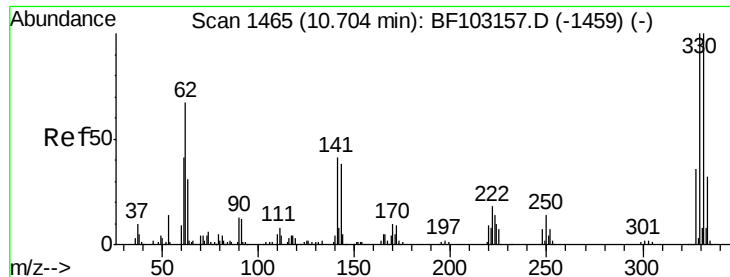


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

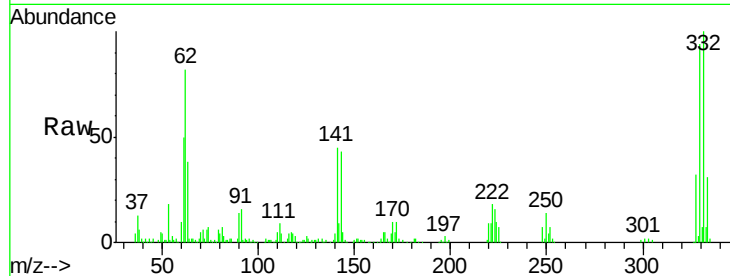




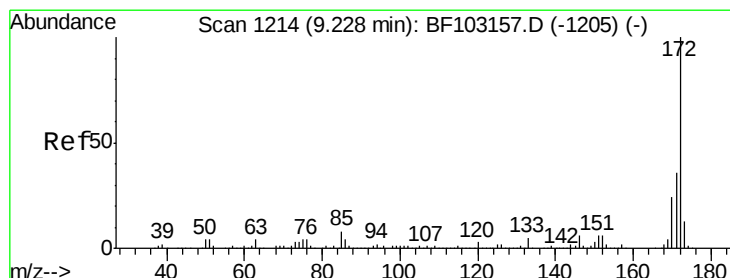
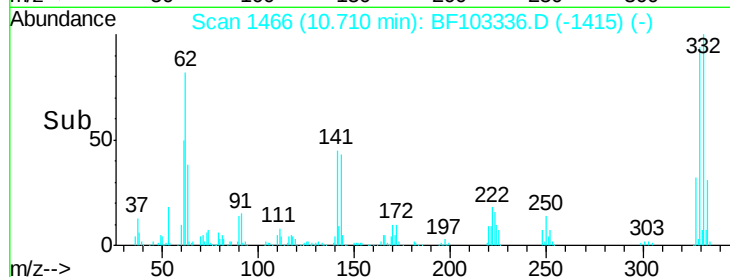
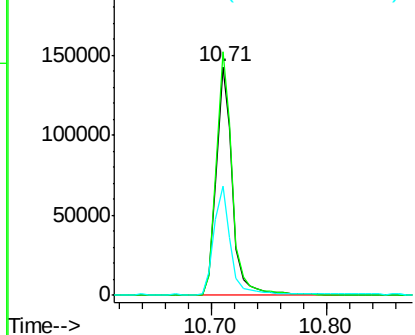
#41
 2,4,6-Tribromophenol
 Concen: 78.816 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103336.D
 Acq: 1 Mar 2018 15:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 139034
 Ion Ratio Lower Upper
 330 100
 332 105.5 77.0 115.6
 141 47.9 29.9 44.9#

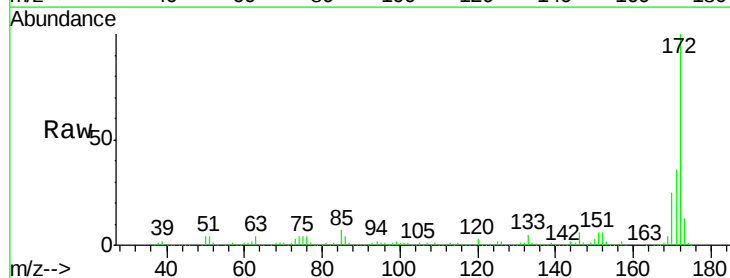


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

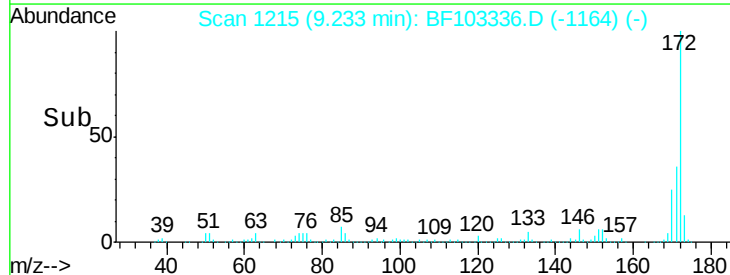
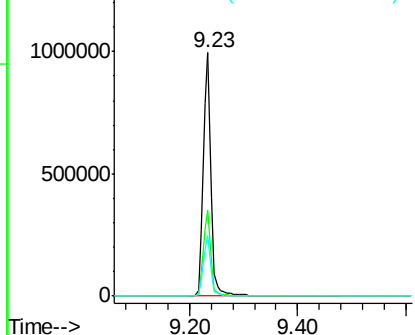


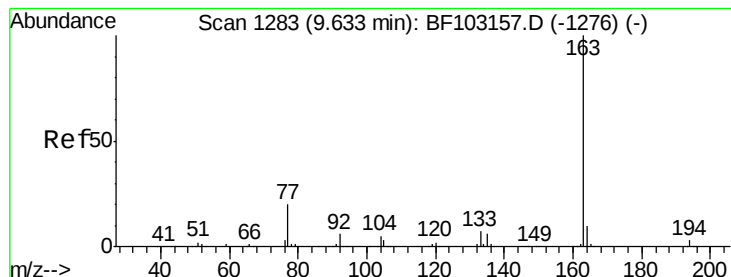
#44
 2-Fluorobiphenyl
 Concen: 79.223 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: BF103336.D
 Acq: 1 Mar 2018 15:02

Tgt Ion:172 Resp: 974215
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.7 44.5
 170 24.7 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: 5.224 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF103336.D

Acq: 1 Mar 2018 15:02

Instrument :

BNA_F

ClientSampled :

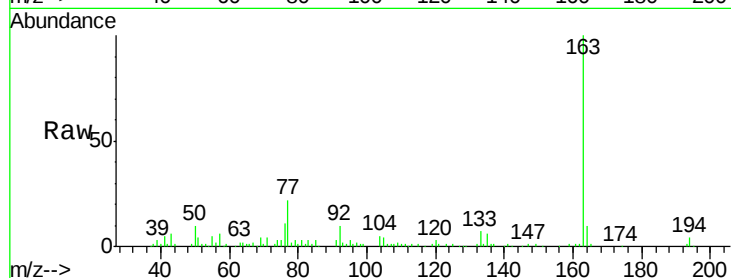
Tot Ion:163 Resp: 87339

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

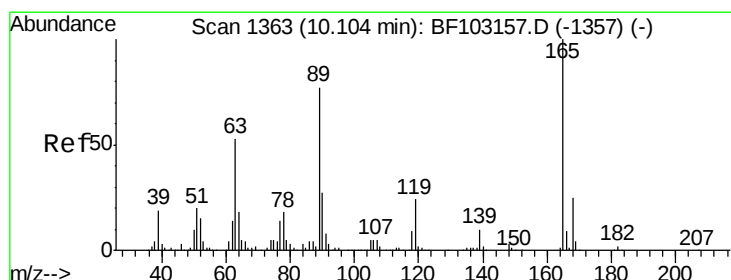
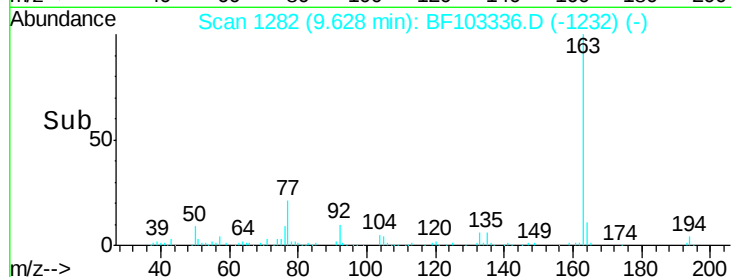
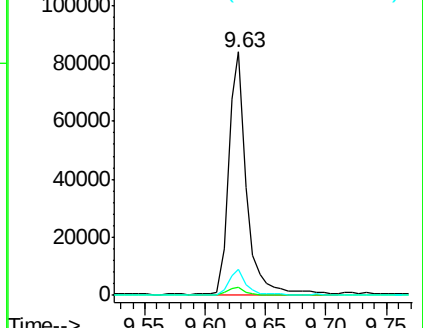
164 10.5 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.730 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF103336.D

Acq: 1 Mar 2018 15:02

Tgt Ion:165 Resp: 29861

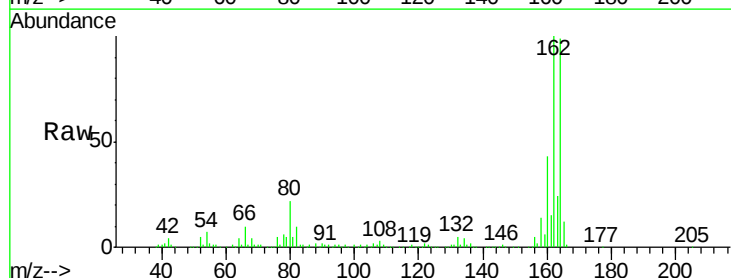
Ion Ratio Lower Upper

165 100

63 2.0 36.4 54.6#

89 1.7 57.8 86.6#

182 0.0 1.6 2.4#

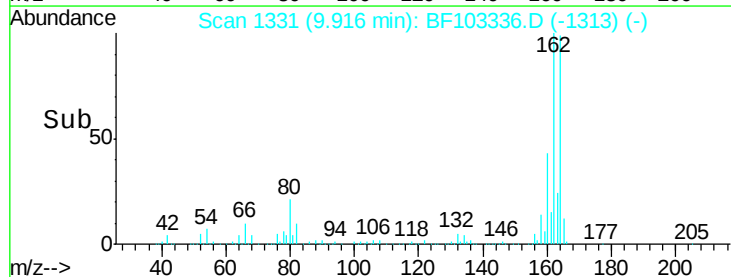
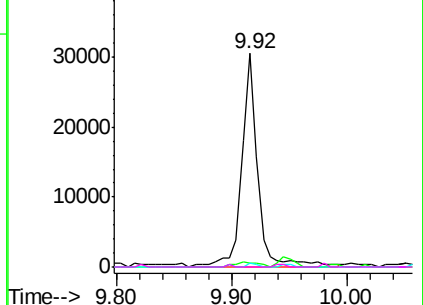


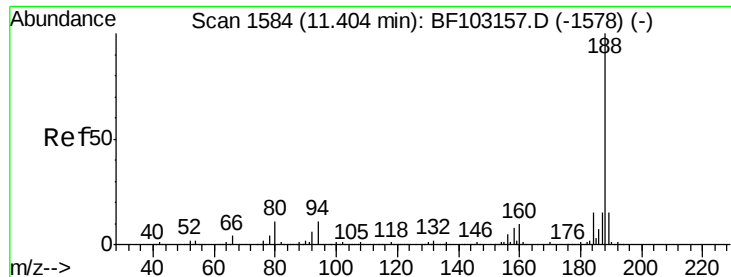
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF103336.D

Acq: 1 Mar 2018 15:02

Instrument :

BNA_F

ClientSampleId :

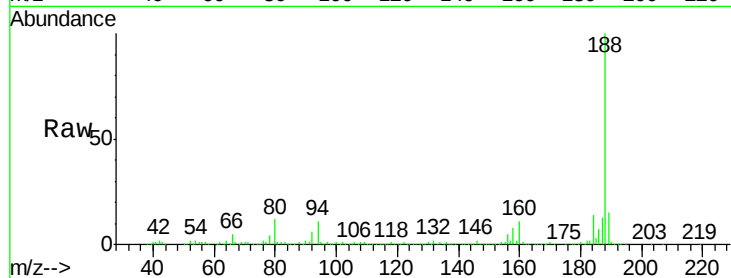
Tot Ion:188 Resp: 301090

Ion Ratio Lower Upper

188 100

94 11.1 8.5 12.7

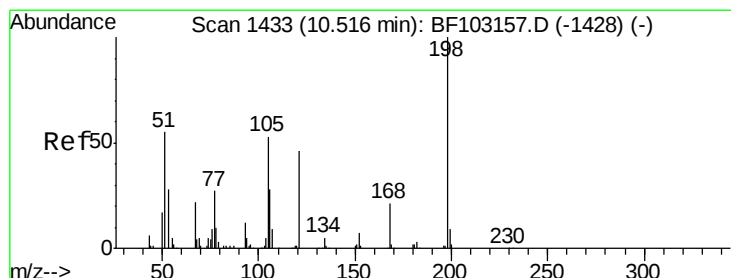
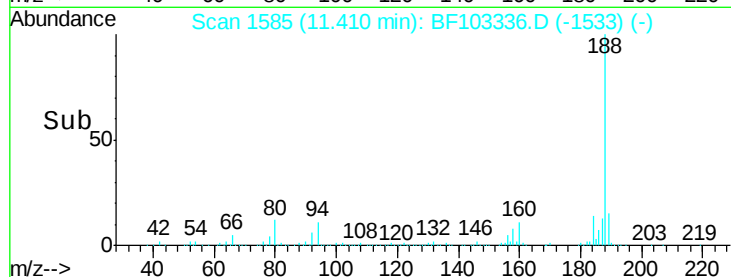
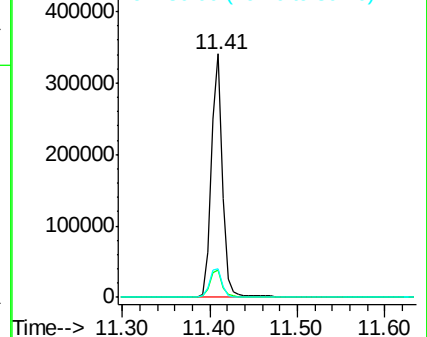
80 11.9 9.2 13.8



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: 5.055 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.18 min

Lab File: BF103336.D

Acq: 1 Mar 2018 15:02

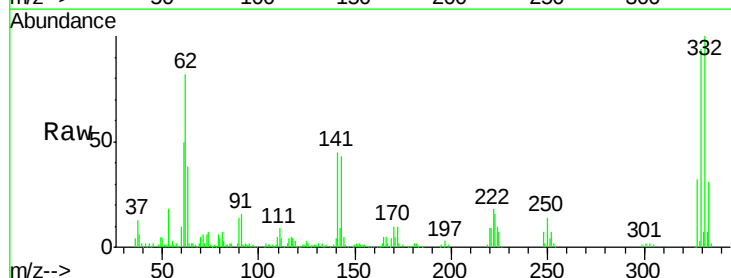
Tgt Ion:198 Resp: 224

Ion Ratio Lower Upper

198 100

51 184.3 37.7 77.7#

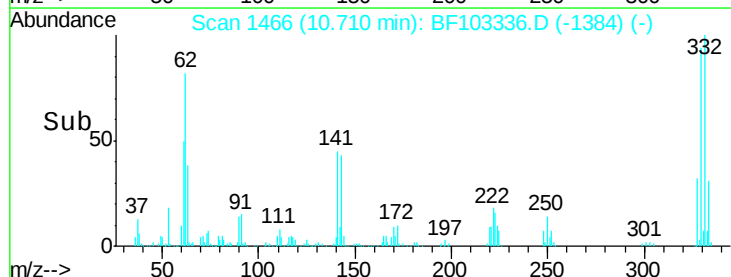
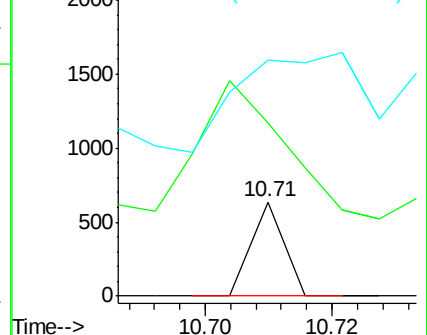
105 251.5 36.3 76.3#

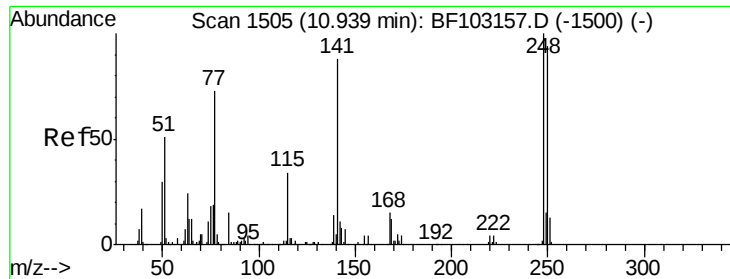


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

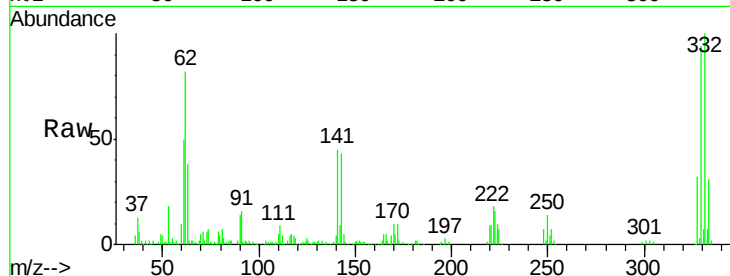




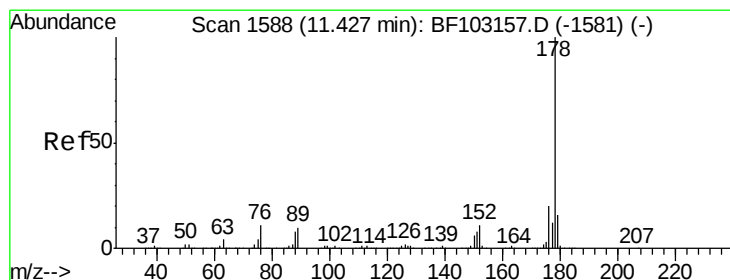
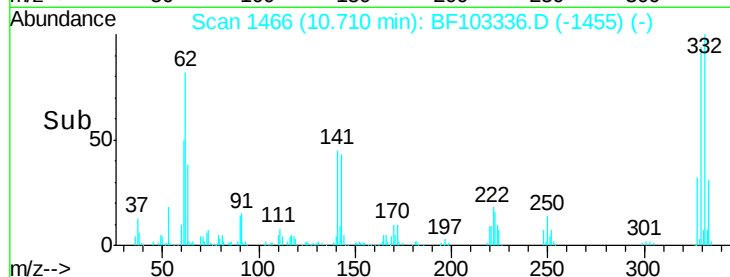
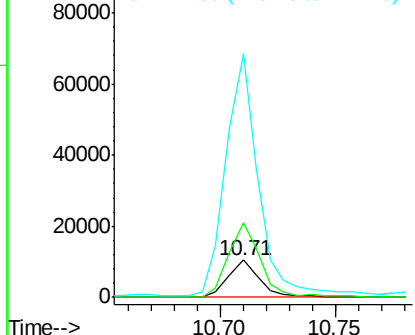
#66
 4-Bromophenyl-phenylether
 Concen: 3.176 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF103336.D
 Acq: 1 Mar 2018 15:02

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 9961
 Ion Ratio Lower Upper
 248 100
 250 200.1 76.9 115.3#
 141 651.8 74.4 111.6#

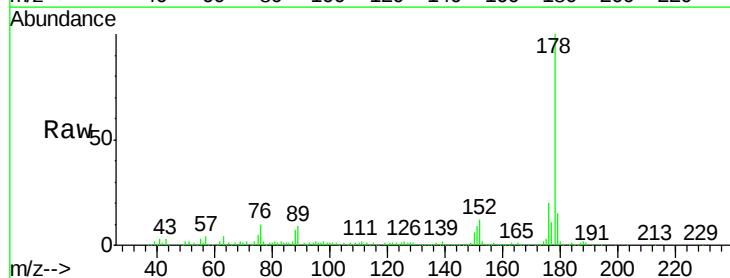


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

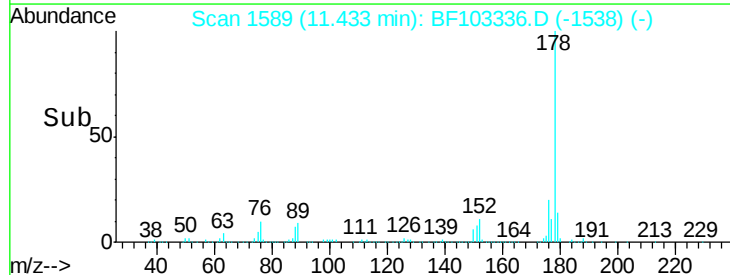
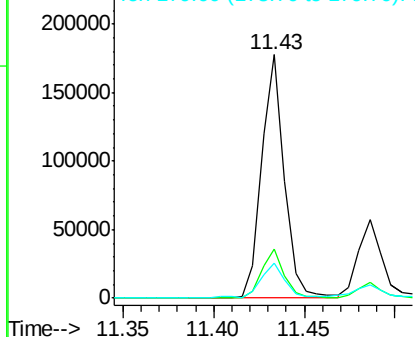


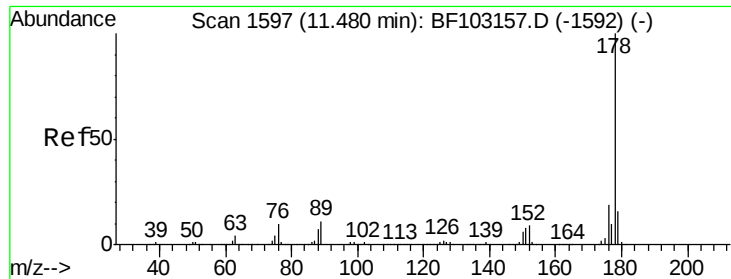
#70
 Phenanthrene
 Concen: 9.386 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: BF103336.D
 Acq: 1 Mar 2018 15:02

Tgt Ion:178 Resp: 155528
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.8 23.8
 179 14.6 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

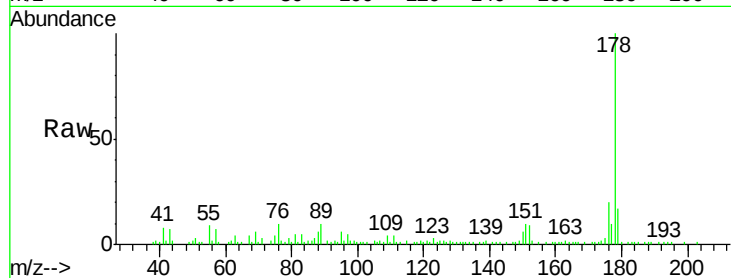




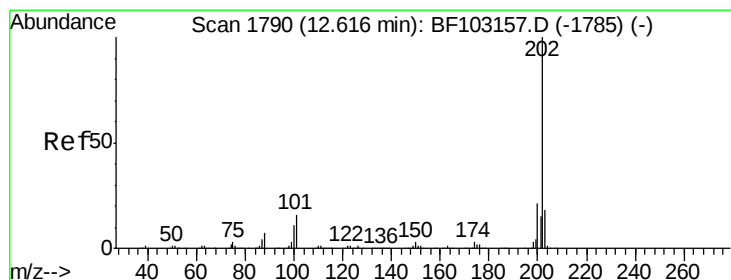
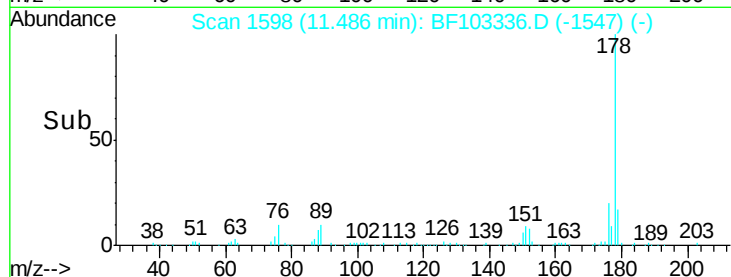
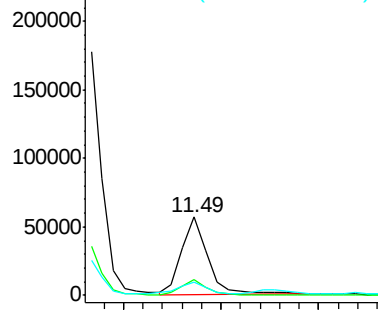
#71
 Anthracene
 Concen: 3.153 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: BF103336.D
 Acq: 1 Mar 2018 15:02

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 53571
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.4 23.2
 179 17.3 12.6 19.0

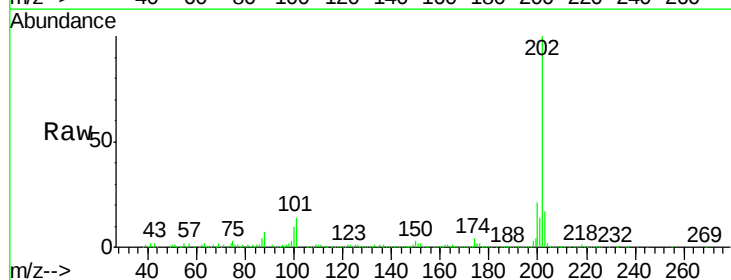


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

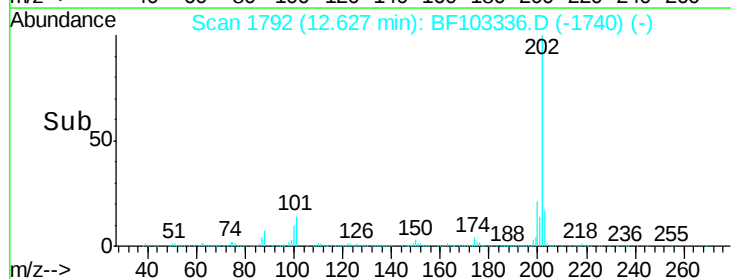
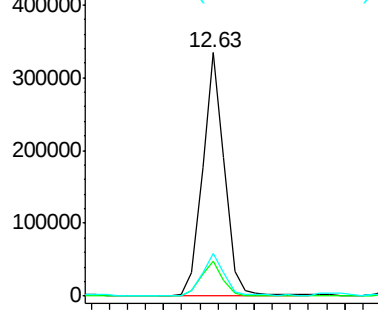


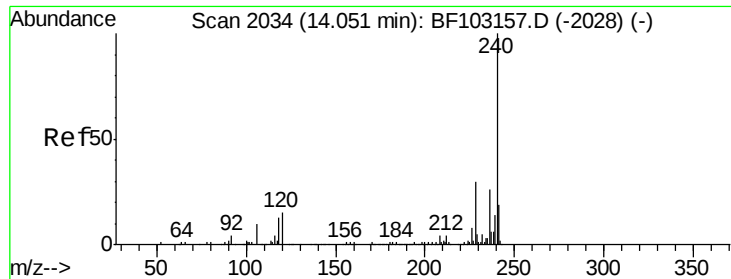
#74
 Fluoranthene
 Concen: 16.572 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: BF103336.D
 Acq: 1 Mar 2018 15:02

Tgt Ion:202 Resp: 275947
 Ion Ratio Lower Upper
 202 100
 101 14.3 0.0 34.1
 203 17.4 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: 14.08 min Scan# 2039

Delta R.T. 0.02 min

Lab File: BF103336.D

Acq: 1 Mar 2018 15:02

Instrument :

BNA_F

ClientSampleId :

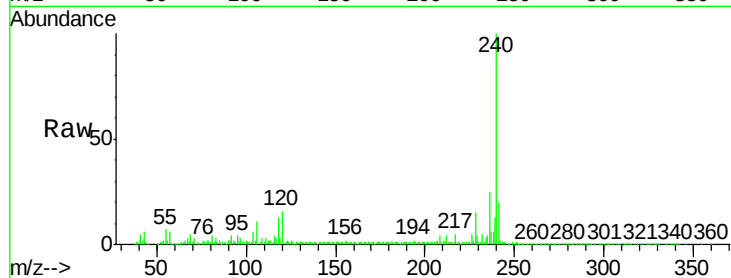
Tot Ion:240 Resp: 222205

Ion Ratio Lower Upper

240 100

120 16.2 9.5 14.3#

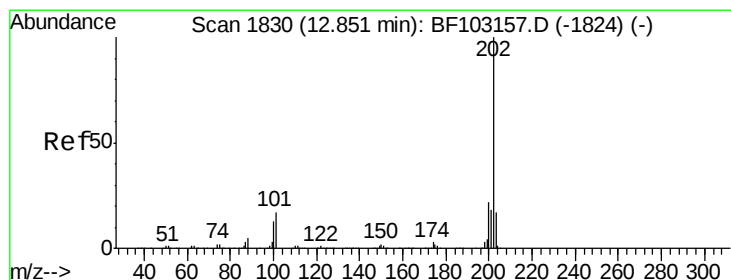
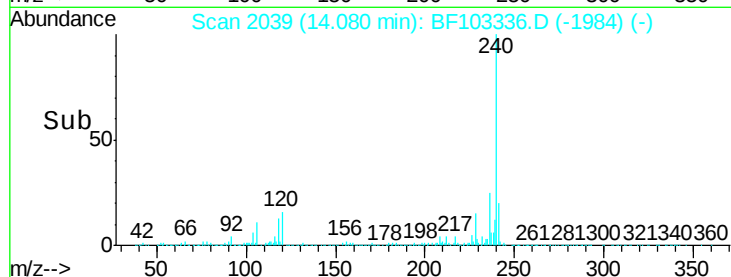
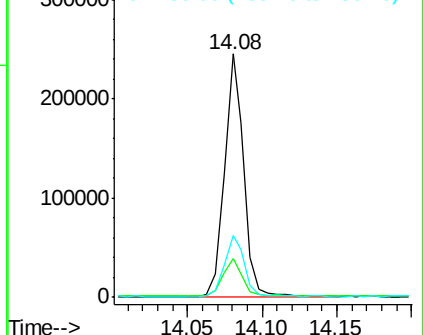
236 25.3 20.7 31.1



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: 15.851 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF103336.D

Acq: 1 Mar 2018 15:02

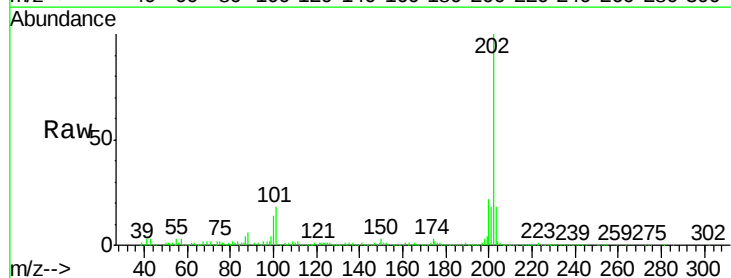
Tgt Ion:202 Resp: 274603

Ion Ratio Lower Upper

202 100

200 22.1 17.4 26.2

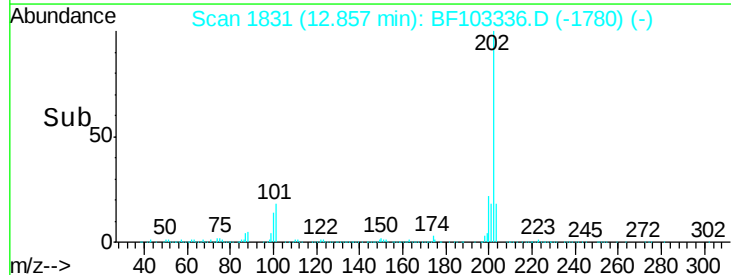
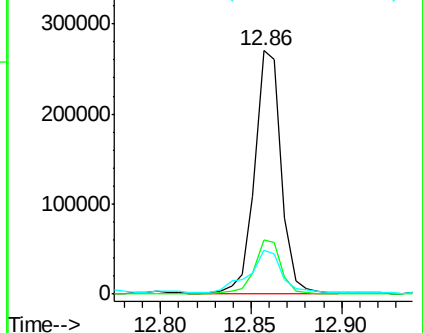
203 18.2 14.3 21.5

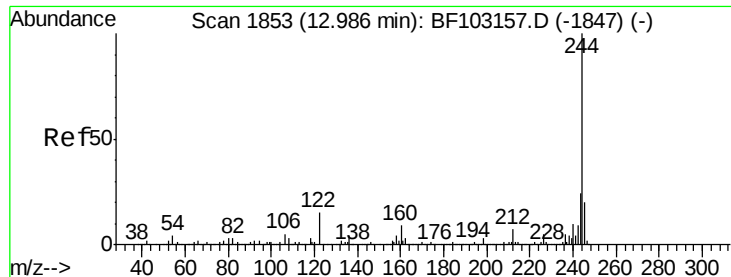


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

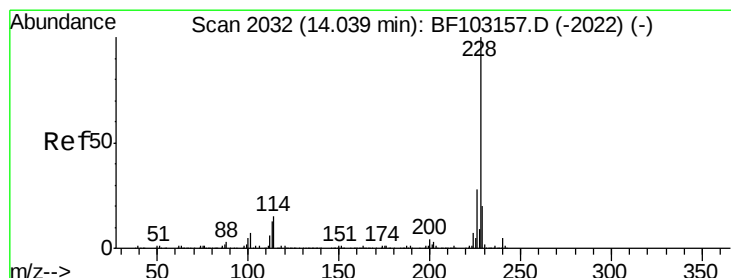
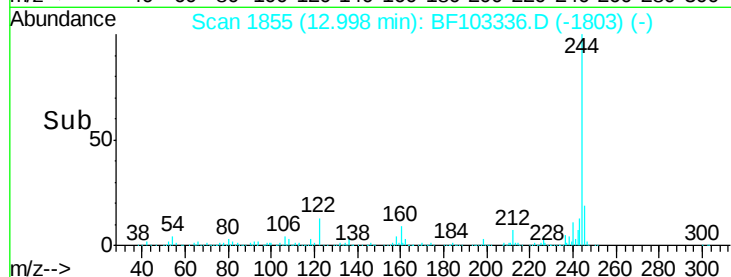
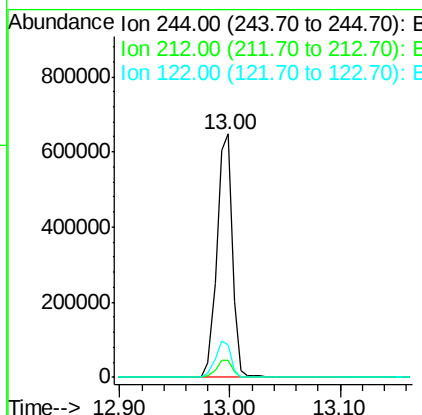
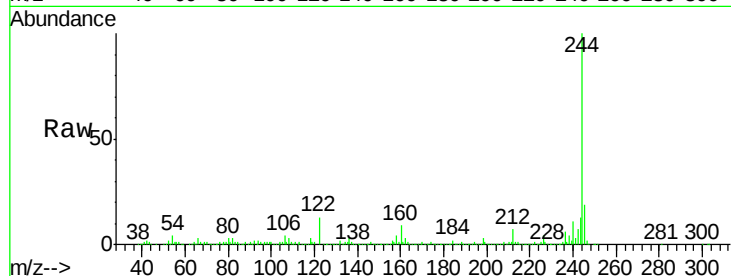




#78
 Terphenyl-d14
 Concen: 68.360 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: BF103336.D
 Acq: 1 Mar 2018 15:02

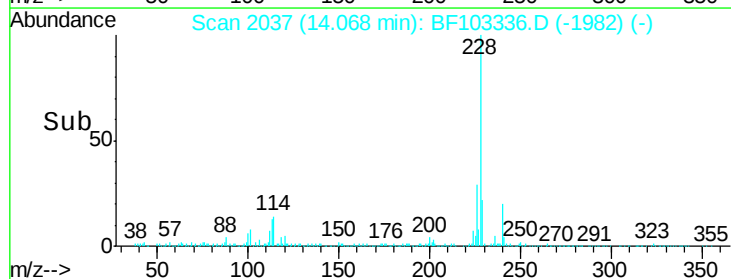
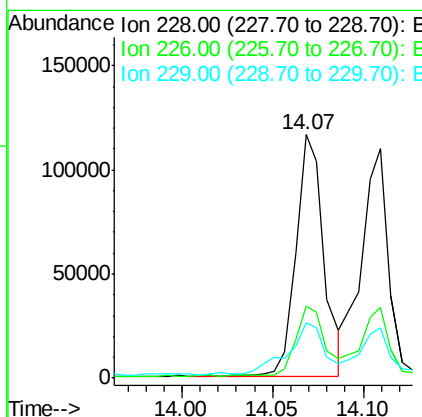
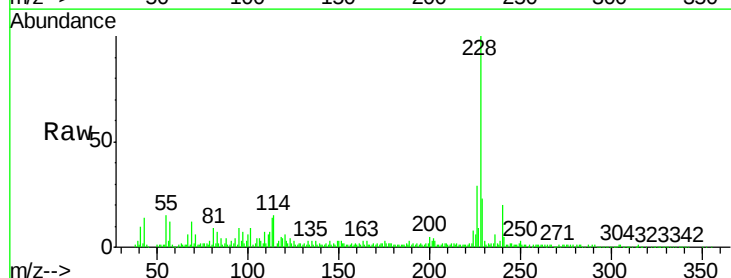
Instrument :
 BNA_F
 ClientSampleId :

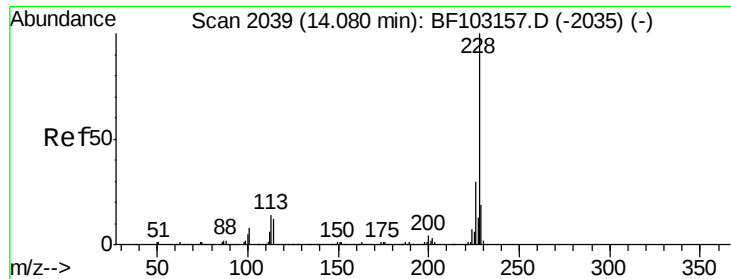
Tot Ion:244 Resp: 631892
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 13.3 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 8.747 ng
 RT: 14.07 min Scan# 2037
 Delta R.T. 0.02 min
 Lab File: BF103336.D
 Acq: 1 Mar 2018 15:02

Tgt Ion:228 Resp: 126106
 Ion Ratio Lower Upper
 228 100
 226 29.5 22.6 33.8
 229 22.8 15.8 23.6





#82

Chrysene

Concen: 8.317 ng

RT: 14.11 min Scan# 2044

Delta R.T. 0.02 min

Lab File: BF103336.D

Acq: 1 Mar 2018 15:02

Instrument :

BNA_F

ClientSampleId :

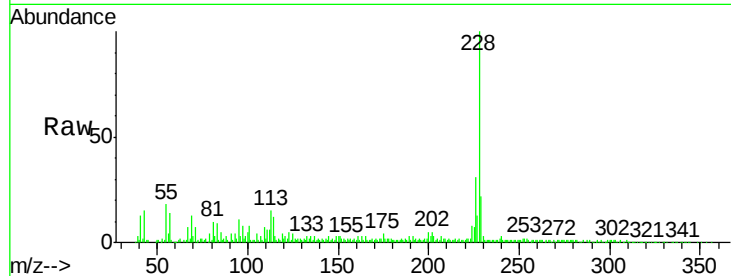
Tot Ion:228 Resp: 116434

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

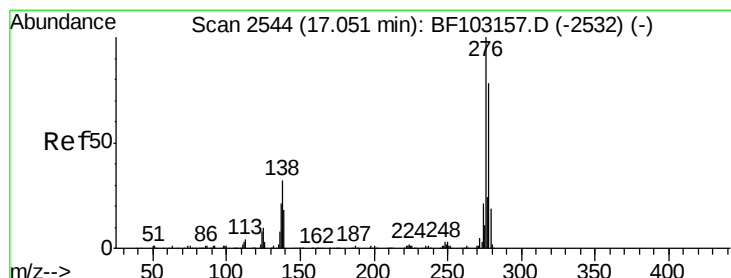
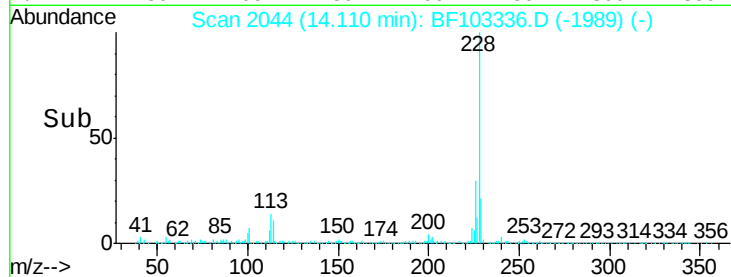
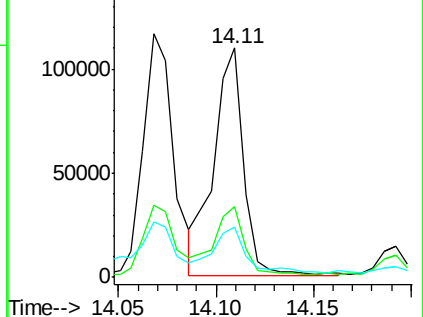
229 22.1 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.674 ng

RT: 17.13 min Scan# 2558

Delta R.T. 0.05 min

Lab File: BF103336.D

Acq: 1 Mar 2018 15:02

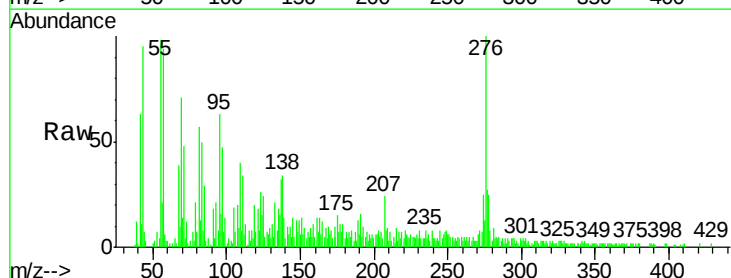
Tgt Ion:276 Resp: 40714

Ion Ratio Lower Upper

276 100

138 33.7 25.0 37.6

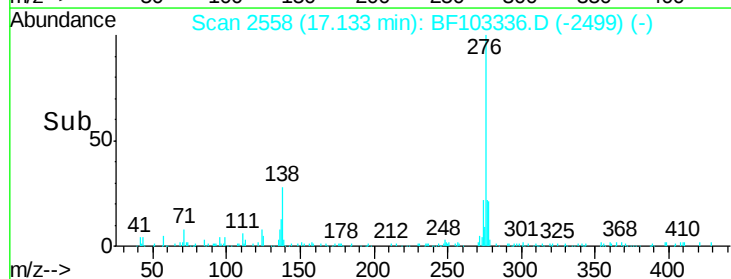
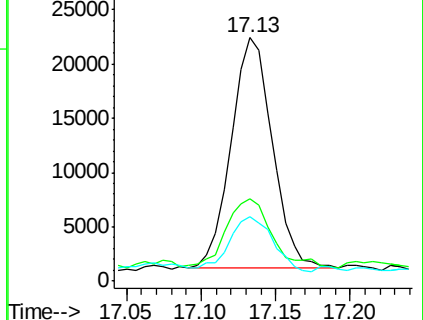
277 25.1 20.1 30.1

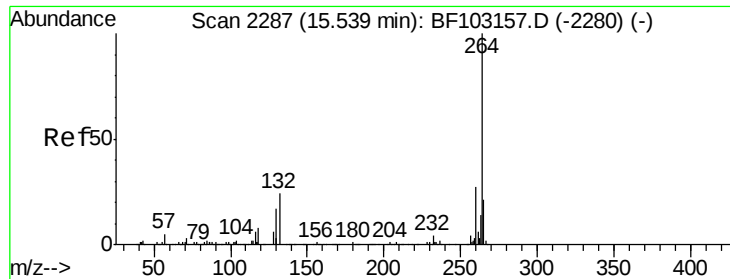


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

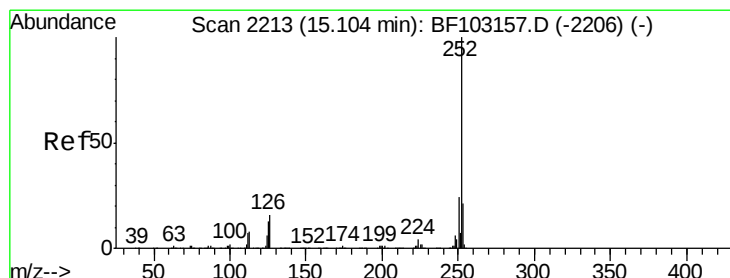
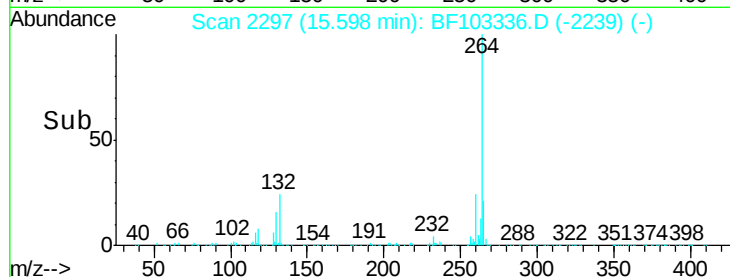
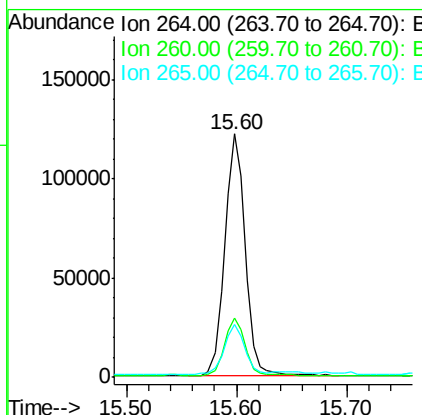
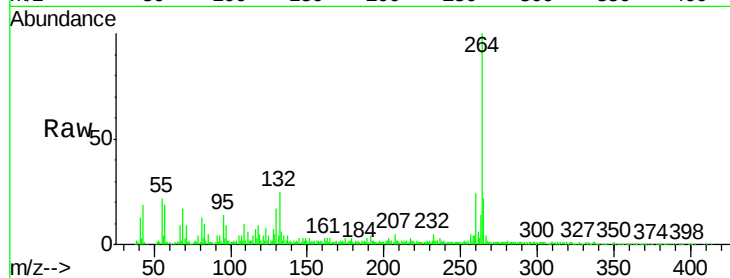




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.60 min Scan# 2297
Delta R.T. 0.04 min
Lab File: BF103336.D
Acq: 1 Mar 2018 15:02

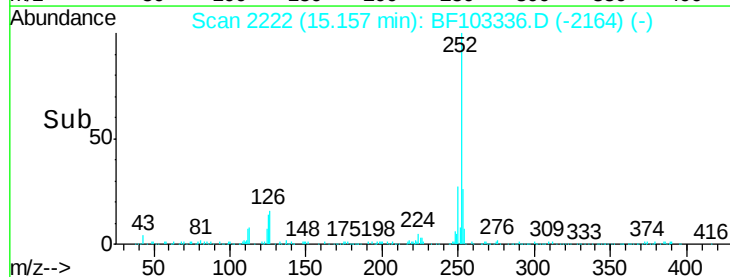
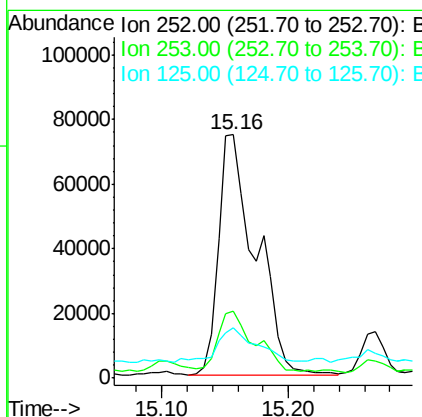
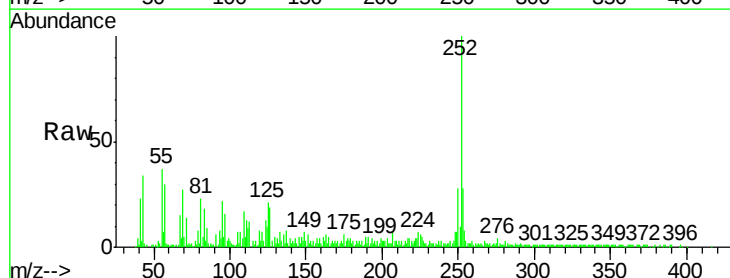
Instrument :
BNA_F
ClientSampleId :

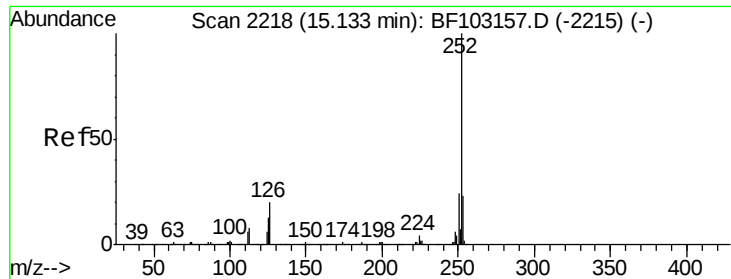
Tot Ion:264 Resp: 159673
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 21.6 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 14.522 ng
RT: 15.16 min Scan# 2222
Delta R.T. 0.04 min
Lab File: BF103336.D
Acq: 1 Mar 2018 15:02

Tgt Ion:252 Resp: 152455
Ion Ratio Lower Upper
252 100
253 27.5 17.0 25.6#
125 20.7 9.0 13.6#

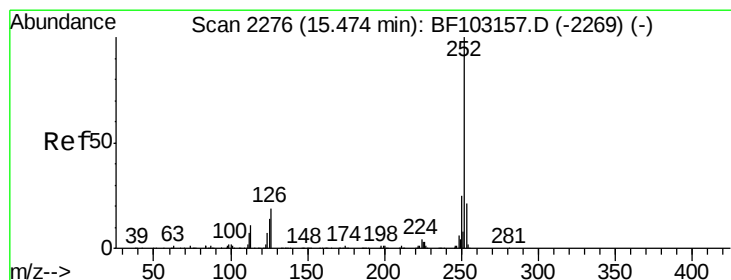
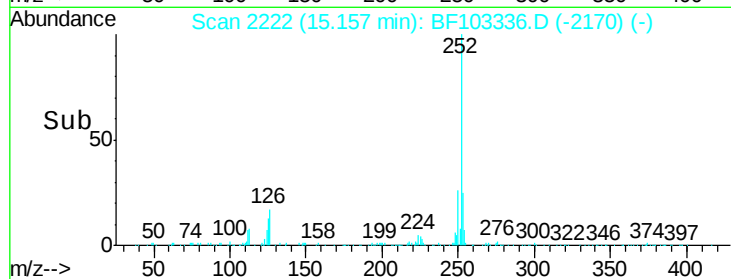
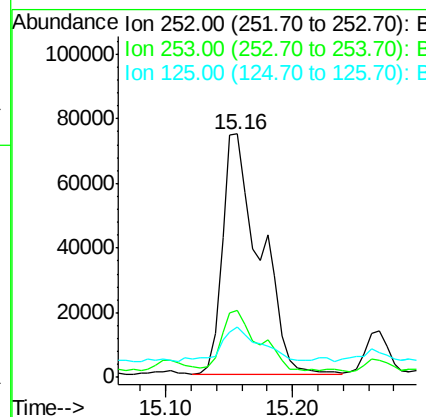
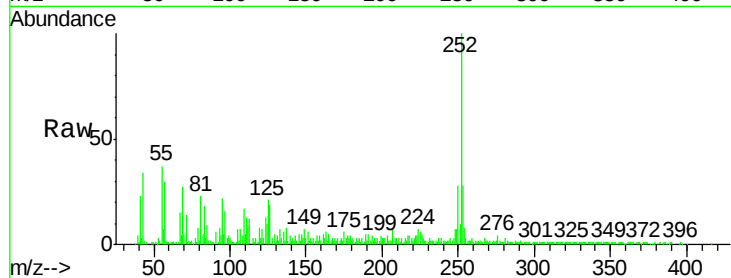




#88
Benzo(k)fluoranthene
Concen: 15.421 ng
RT: 15.16 min Scan# 2222
Delta R.T. 0.01 min
Lab File: BF103336.D
Acq: 1 Mar 2018 15:02

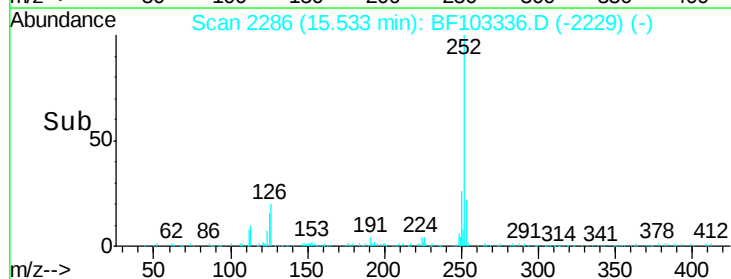
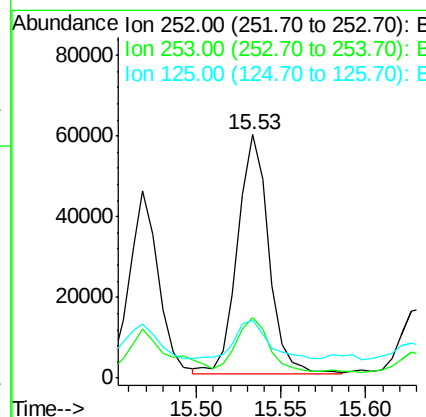
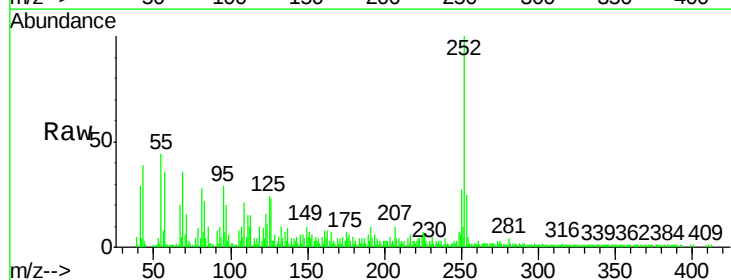
Instrument :
BNA_F
ClientSampleId :

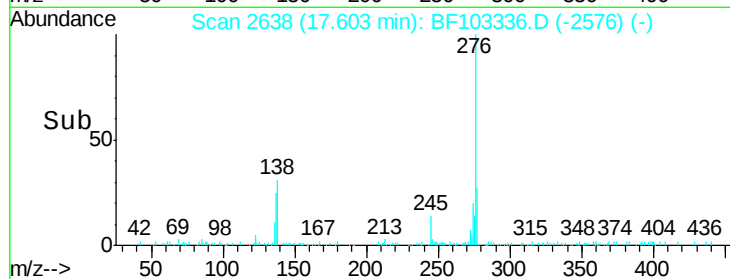
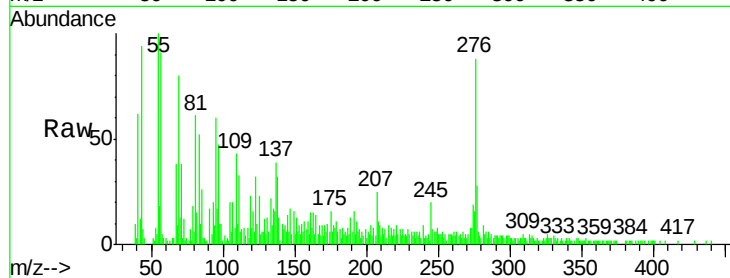
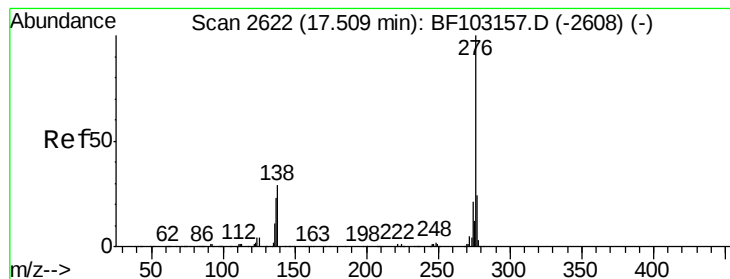
Tot Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.9	26.9#
125	20.7	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 8.166 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.04 min
Lab File: BF103336.D
Acq: 1 Mar 2018 15:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.1	25.7
125	23.6	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 5.831 ng

RT: 17.60 min Scan# 2638

Delta R.T. 0.06 min

Lab File: BF103336.D

Acq: 1 Mar 2018 15:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 41285

Ion Ratio Lower Upper

276 100

277 31.5 17.9 26.9#

138 36.3 21.8 32.8#

