

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030118\
 Data File : BF103338.D
 Acq On : 1 Mar 2018 15:56
 Operator : SJ/JU
 Sample : J1720-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 02 09:25:50 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	150488	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	563089	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	197862	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	296140	20.00	ng	0.00
75) Chrysene-d12	14.06	240	201262	20.00	ng	0.00
86) Perylene-d12	15.57	264	138960	20.00	ng	0.01

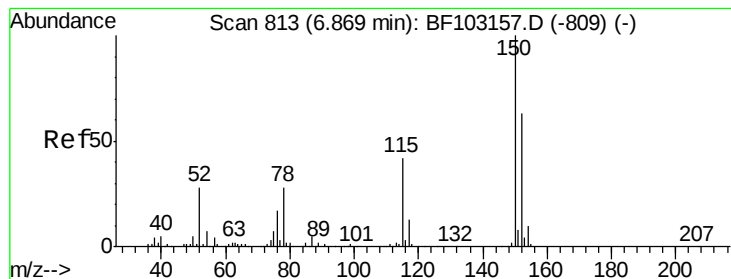
System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1104223	110.98	ng	0.01
7) Phenol-d6	6.52	99	1272540	104.52	ng	0.00
23) Nitrobenzene-d5	7.45	82	823604	83.53	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	155525	92.86	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1019874	90.03	ng	0.00
78) Terphenyl-d14	13.00	244	711767	85.01	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.45	77	1196	Below Cal	#	73
19) n-Nitroso-di-n-propylamine	7.45	70	112159	14.801 ng	#	82
25) Isophorone	7.45	82	823480	42.405 ng	#	64
49) Dimethylphthalate	9.63	163	131806	8.304 ng		98
64) 4,6-Dinitro-2-methylphenol	10.71	198	131	5.011 ng	#	1
66) 4-Bromophenyl-phenylether	10.71	248	10618	3.442 ng	#	1
70) Phenanthrene	11.43	178	161597	9.915 ng		98
71) Anthracene	11.49	178	56111	3.358 ng		97
74) Fluoranthene	12.63	202	335631	20.494 ng		98
77) Pyrene	12.86	202	338930	21.599 ng		98
80) Benzo(a)anthracene	14.05	228	154865	11.859 ng		97
82) Chrysene	14.09	228	140227	11.059 ng		97
83) Bis(2-ethylhexyl)phthalate	14.02	149	87739	7.842 ng	#	99
85) Indeno(1,2,3-cd)pyrene	17.10	276	53831	5.363 ng		97
87) Benzo(b)fluoranthene	15.13	252	182339	19.957 ng	#	80
88) Benzo(k)fluoranthene	15.13	252	182339	21.194 ng	#	83
89) Benzo(a)pyrene	15.50	252	90751	11.123 ng	#	83
90) Dibenzo(a,h)anthracene	17.11	278	15098	2.395 ng	#	57
91) Benzo(a,h,i)perylene	17.57	276	54113	8.782 ng	#	88

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

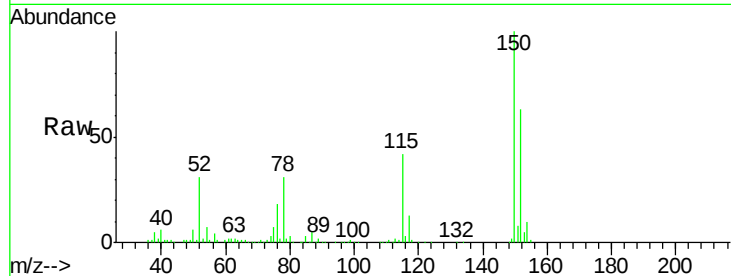


#1

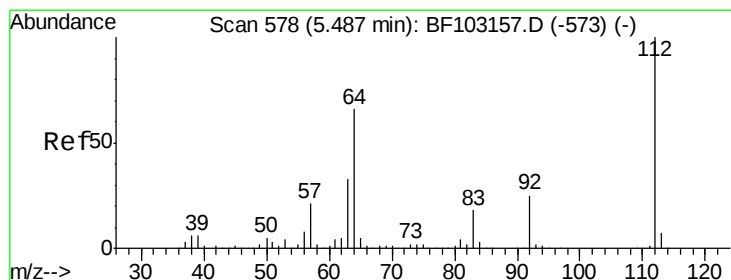
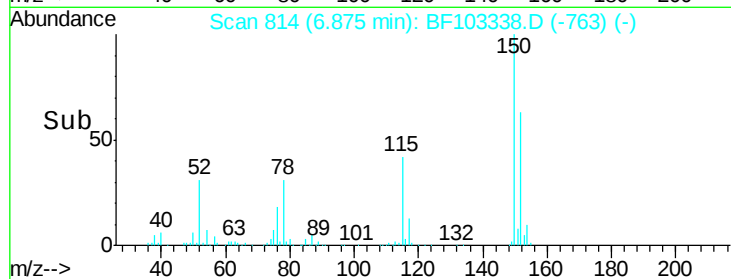
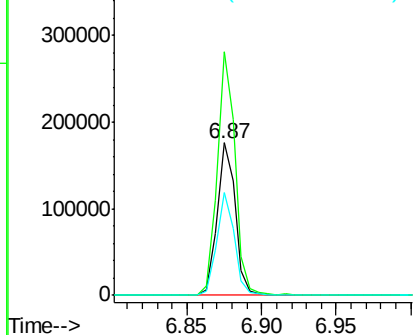
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103338.D
Acq: 1 Mar 2018 15:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 150488
Ion Ratio Lower Upper
152 100
150 159.7 124.6 186.8
115 67.2 50.1 75.1



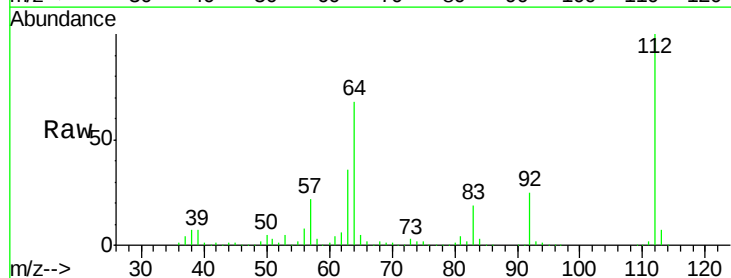
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



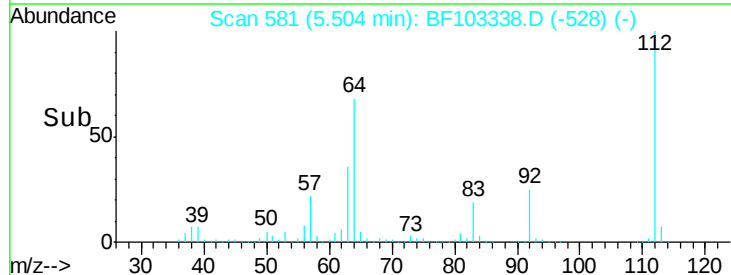
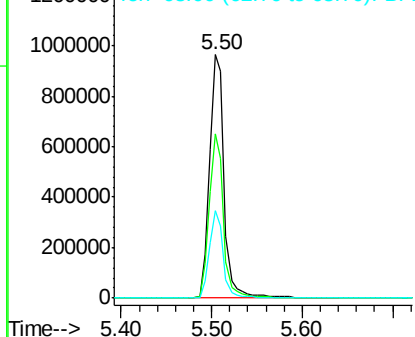
#5

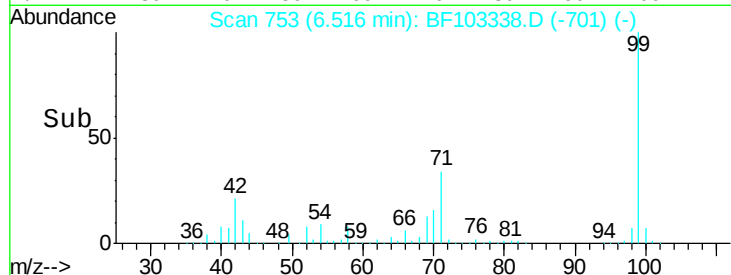
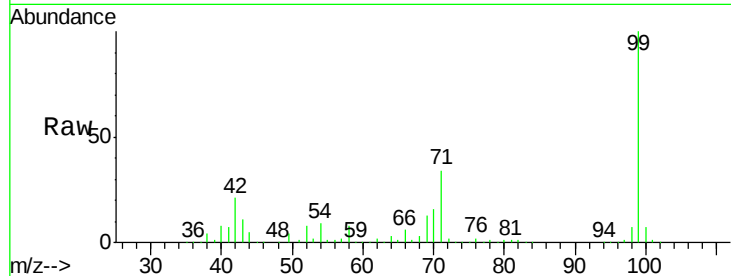
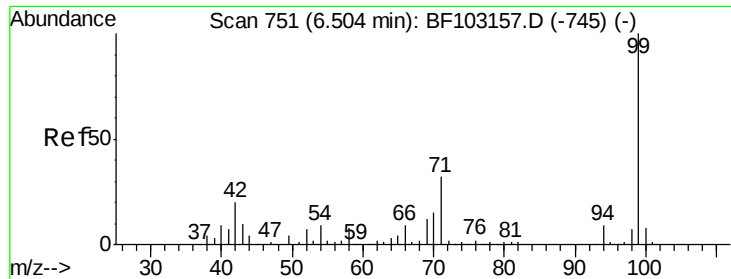
2-Fluorophenol
Concen: 110.976 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103338.D
Acq: 1 Mar 2018 15:56

Tgt Ion:112 Resp: 1104223
Ion Ratio Lower Upper
112 100
64 67.7 47.9 71.9
63 35.7 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: 104.517 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103338.D

Acq: 1 Mar 2018 15:56

Instrument :

BNA_F

ClientSampled :

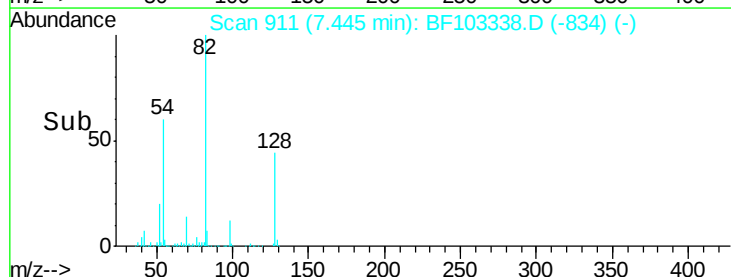
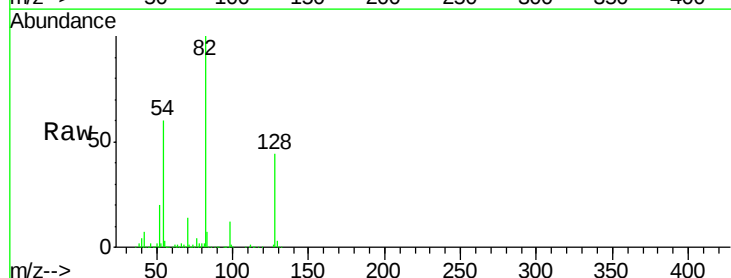
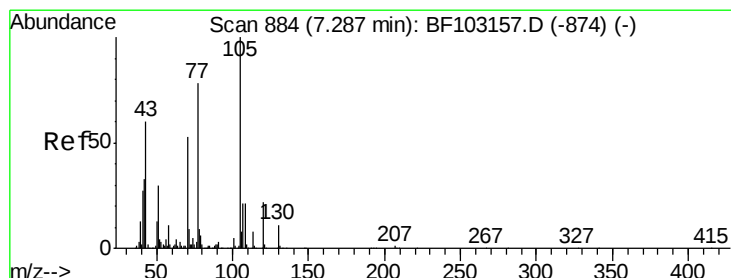
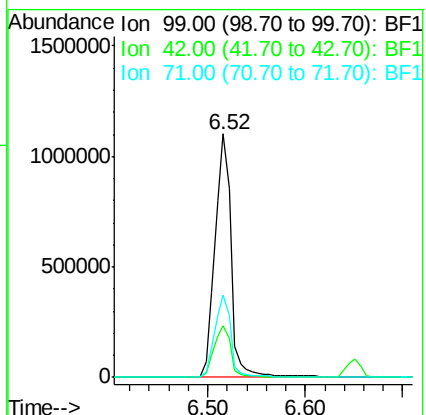
Tot Ion: 99 Resp: 1272540

Ion Ratio Lower Upper

99 100

42 21.4 14.5 21.7

71 33.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.801 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF103338.D

Acq: 1 Mar 2018 15:56

Tgt Ion: 70 Resp: 112159

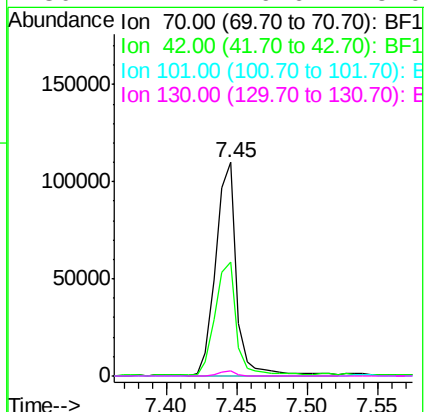
Ion Ratio Lower Upper

70 100

42 53.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

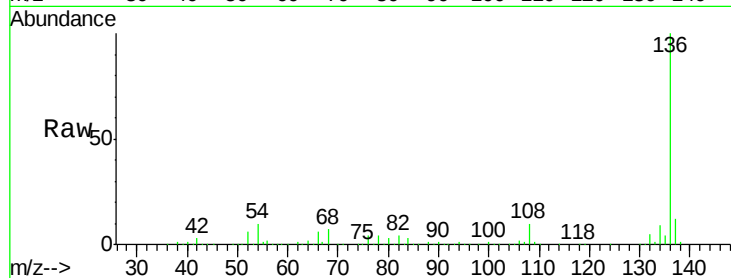




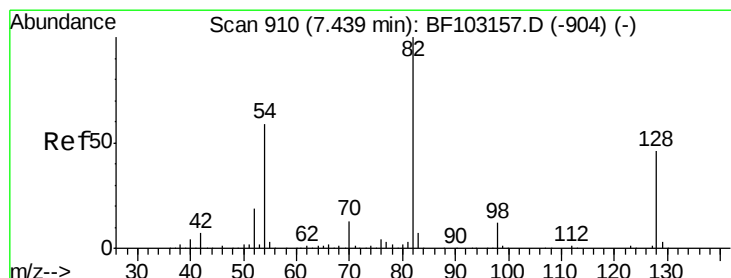
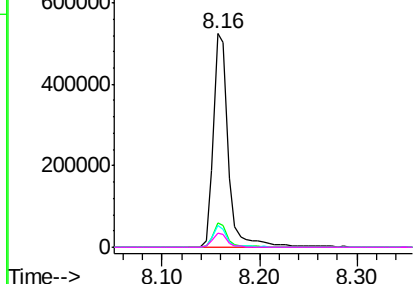
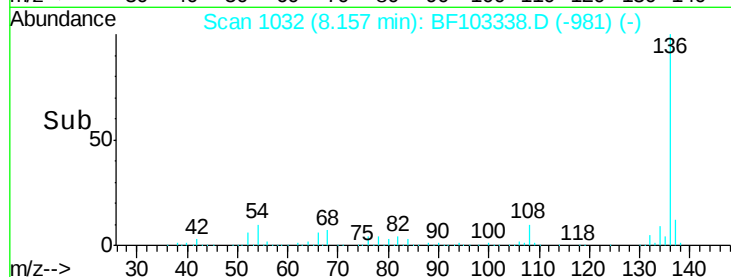
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF103338.D
Acq: 1 Mar 2018 15:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	563089
Ion Ratio	Lower	Upper
136	100	
137	11.6	8.9 13.3
54	10.3	6.6 9.8#
68	6.9	5.0 7.4

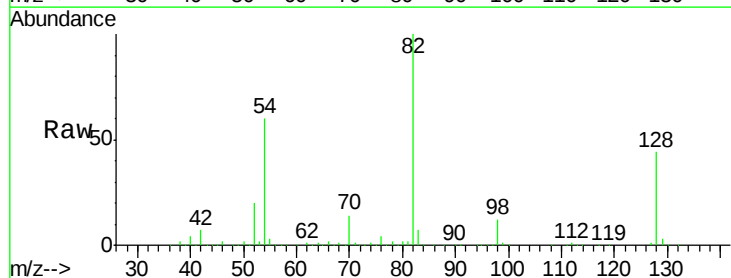


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

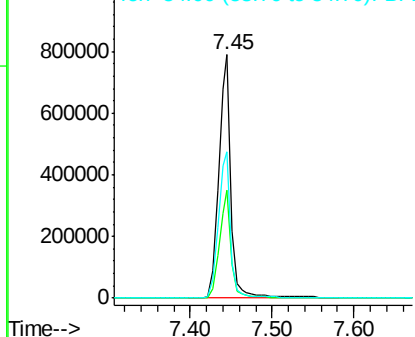
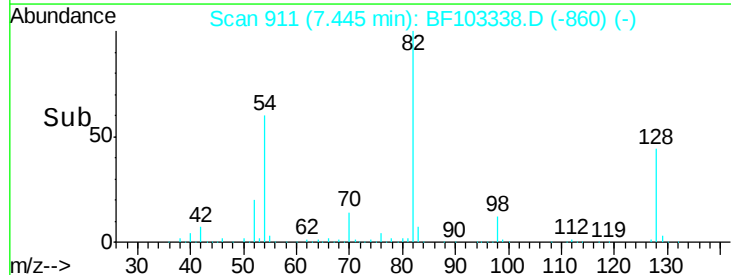


#23
Nitrobenzene-d5
Concen: 83.530 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.00 min
Lab File: BF103338.D
Acq: 1 Mar 2018 15:56

Tgt Ion: 82	Resp:	823604
Ion Ratio	Lower	Upper
82	100	
128	44.4	36.1 54.1
54	60.0	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: 42.405 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.25 min

Lab File: BF103338.D

Acq: 1 Mar 2018 15:56

Instrument :

BNA_F

ClientSampleId :

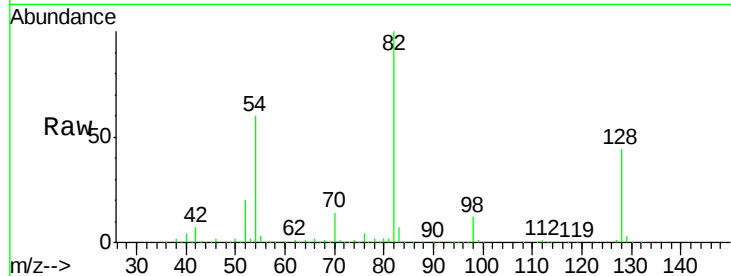
Tot Ion: 82 Resp: 823480

Ion Ratio Lower Upper

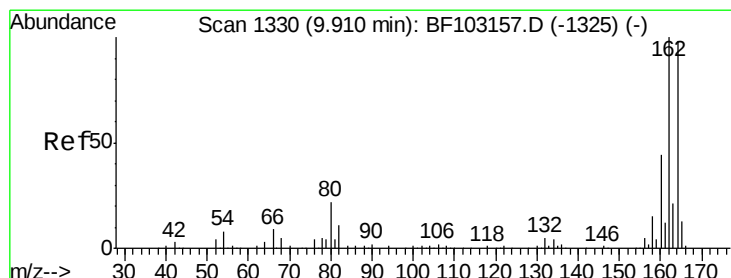
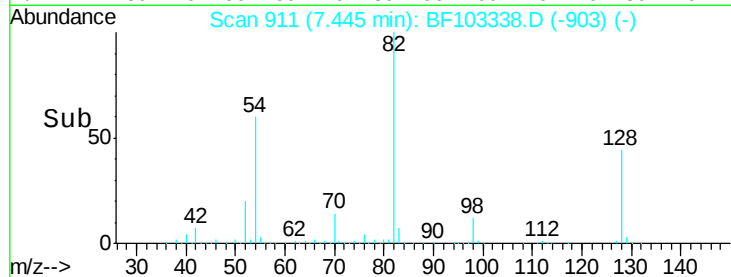
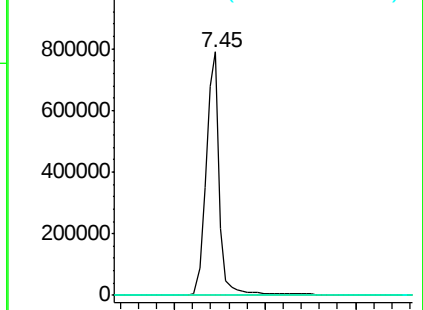
82 100

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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF103338.D

Acq: 1 Mar 2018 15:56

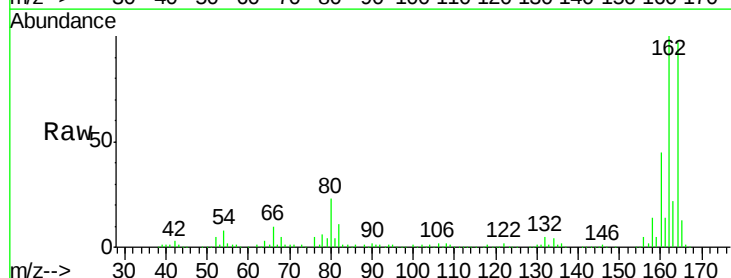
Tgt Ion:164 Resp: 197862

Ion Ratio Lower Upper

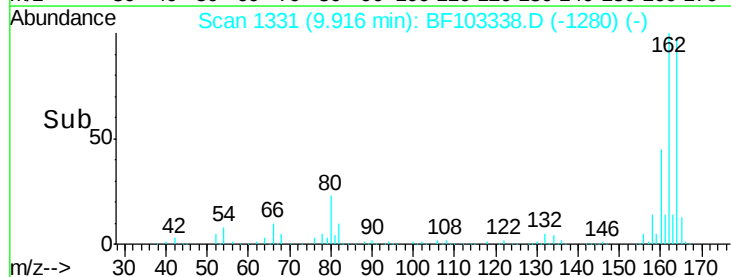
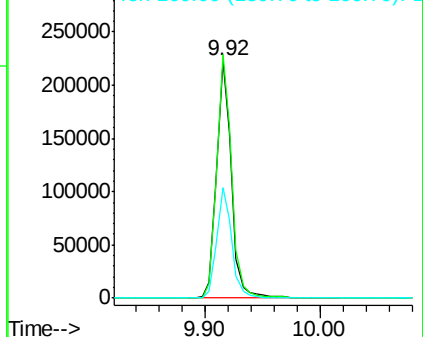
164 100

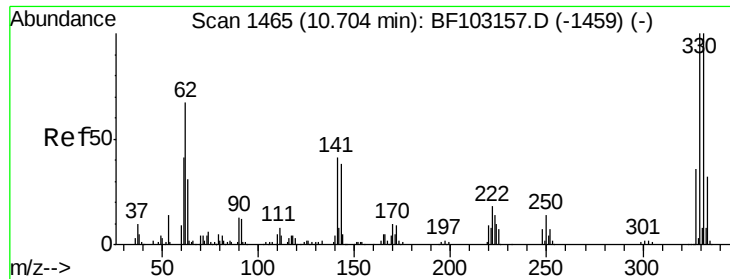
162 102.6 86.1 129.1

160 46.4 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

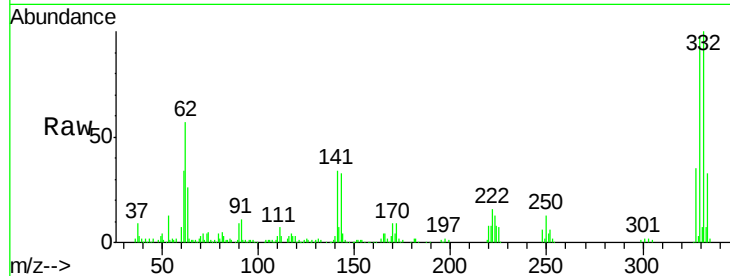




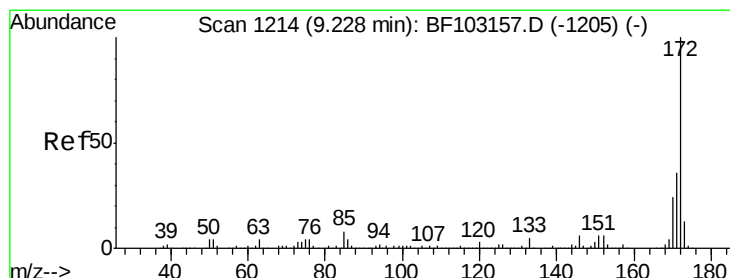
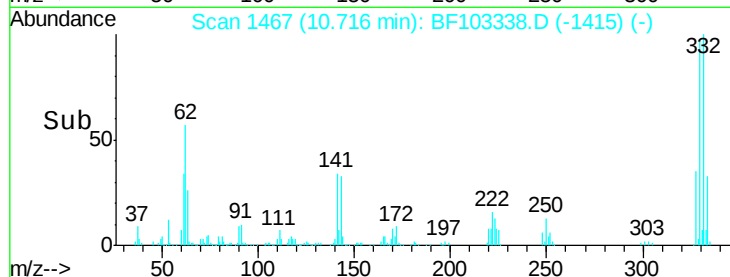
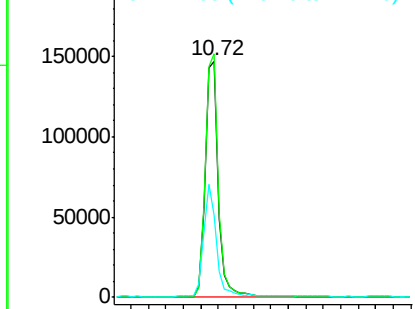
#41
 2,4,6-Tribromophenol
 Concen: 92.862 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: BF103338.D
 Acq: 1 Mar 2018 15:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 155525
 Ion Ratio Lower Upper
 330 100
 332 102.6 77.0 115.6
 141 47.9 29.9 44.9#

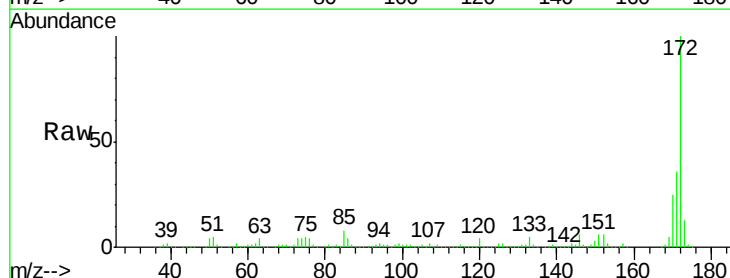


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

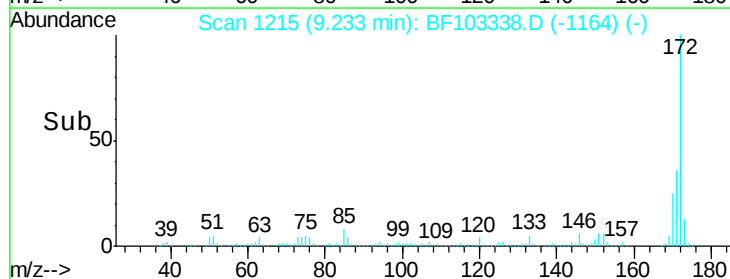
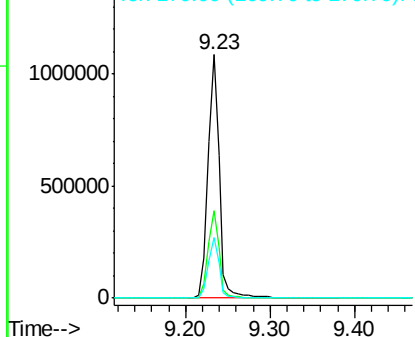


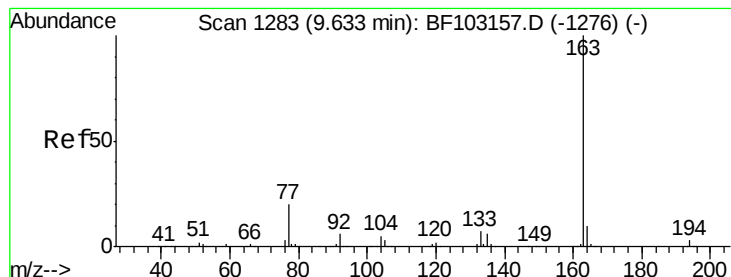
#44
 2-Fluorobiphenyl
 Concen: 90.032 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: BF103338.D
 Acq: 1 Mar 2018 15:56

Tgt Ion:172 Resp: 1019874
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 24.8 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: 8.304 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF103338.D

Acq: 1 Mar 2018 15:56

Instrument :

BNA_F

ClientSampleId :

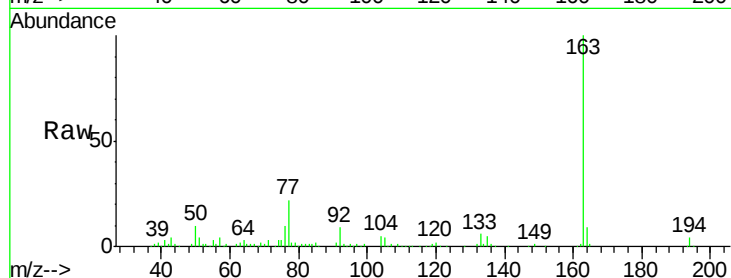
Tot Ion:163 Resp: 131806

Ion Ratio Lower Upper

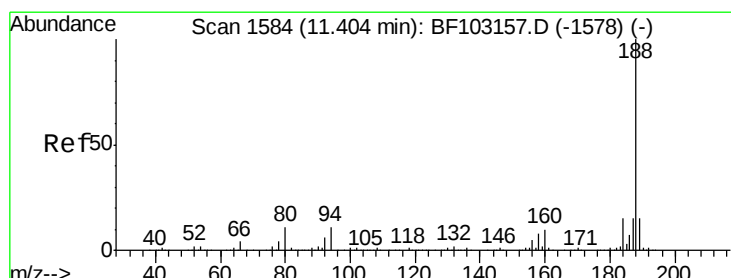
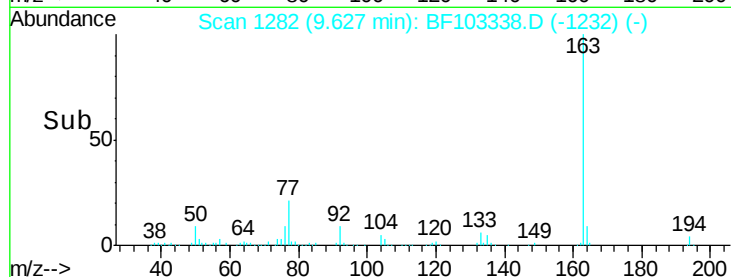
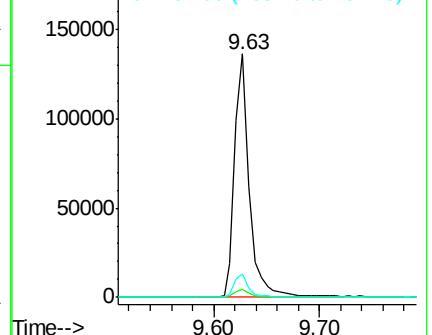
163 100

194 3.5 2.7 4.1

164 9.5 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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.01 min

Lab File: BF103338.D

Acq: 1 Mar 2018 15:56

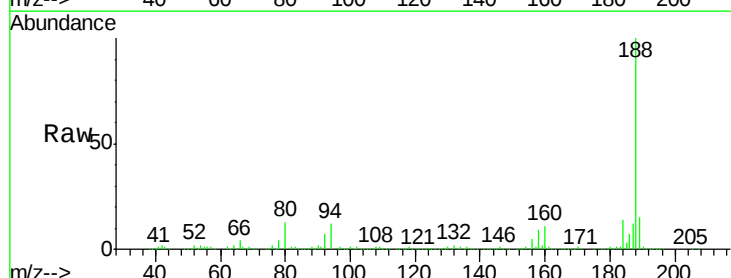
Tgt Ion:188 Resp: 296140

Ion Ratio Lower Upper

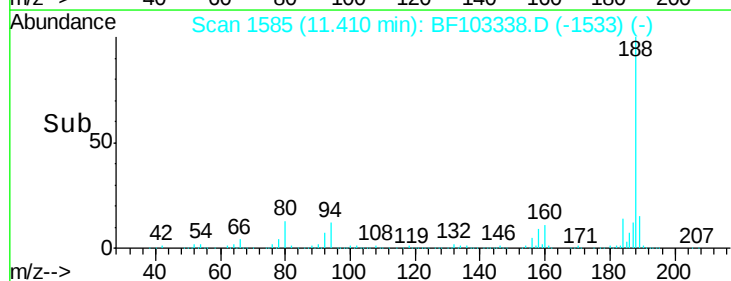
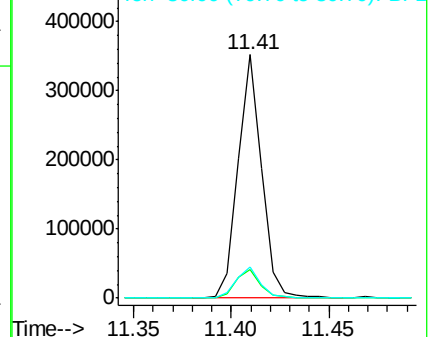
188 100

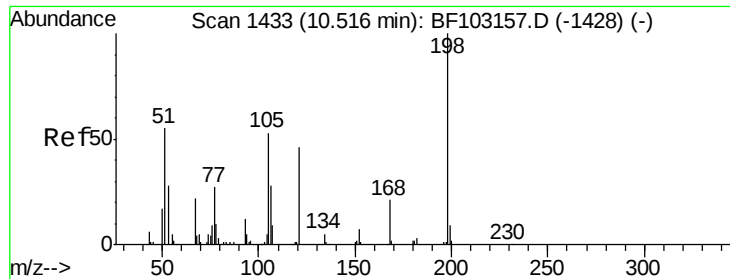
94 11.9 8.5 12.7

80 12.8 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 5.011 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.18 min

Lab File: BF103338.D

Acq: 1 Mar 2018 15:56

Instrument :

BNA_F

ClientSampled :

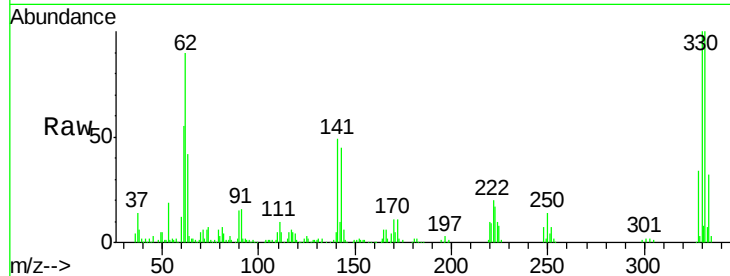
Tot Ion:198 Resp: 131

Ion Ratio Lower Upper

198 100

51 385.4 37.7 77.7#

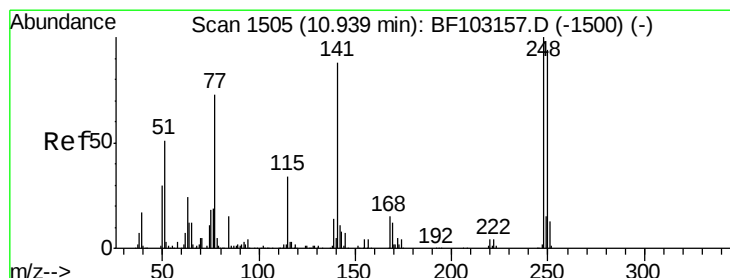
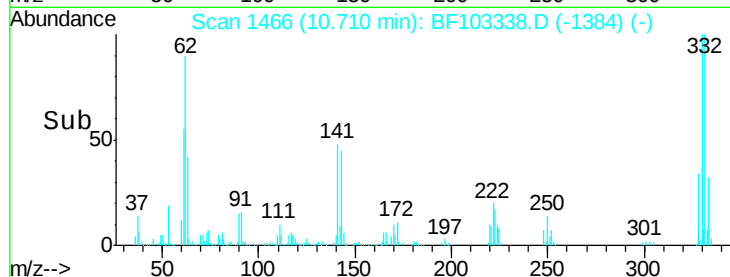
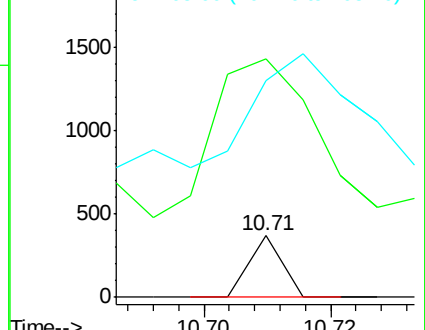
105 351.4 36.3 76.3#



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: 3.442 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.24 min

Lab File: BF103338.D

Acq: 1 Mar 2018 15:56

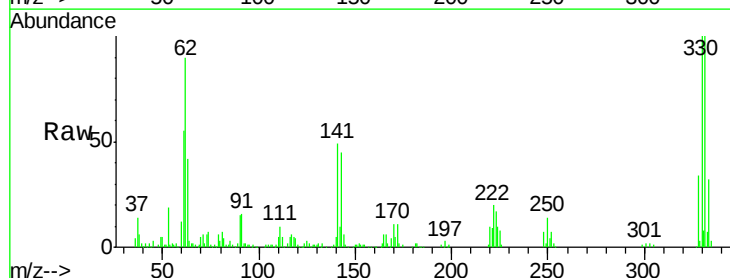
Tgt Ion:248 Resp: 10618

Ion Ratio Lower Upper

248 100

250 201.4 76.9 115.3#

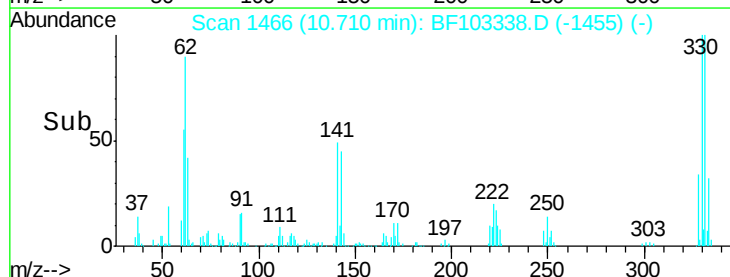
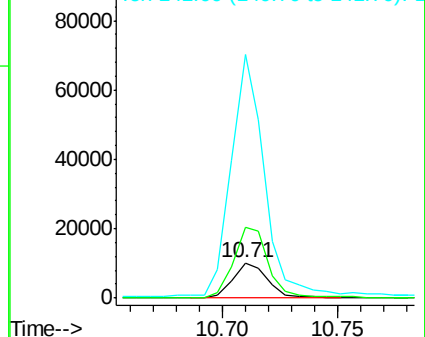
141 687.6 74.4 111.6#

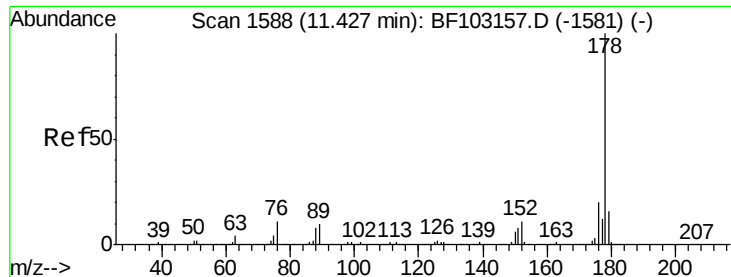


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 9.915 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BF103338.D

Acq: 1 Mar 2018 15:56

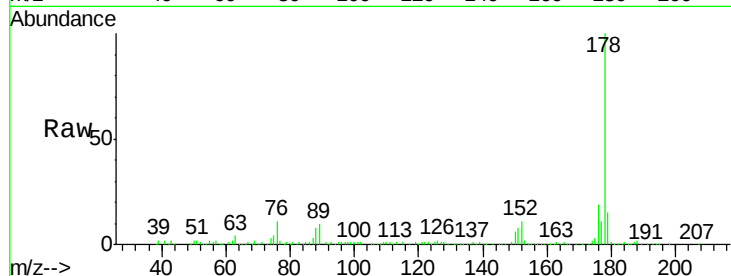
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 161597

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.2	13.0	19.6

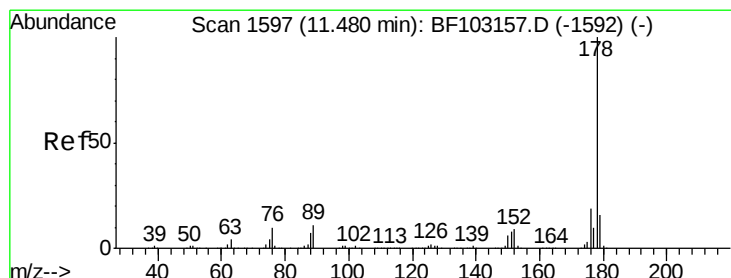
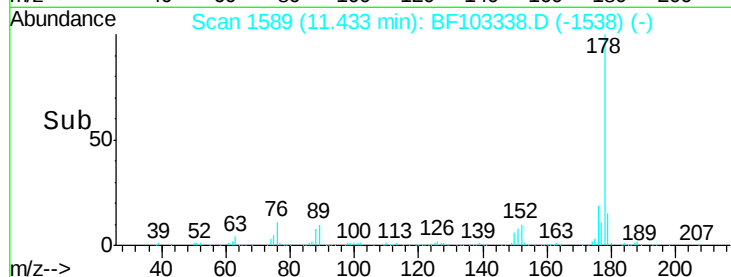
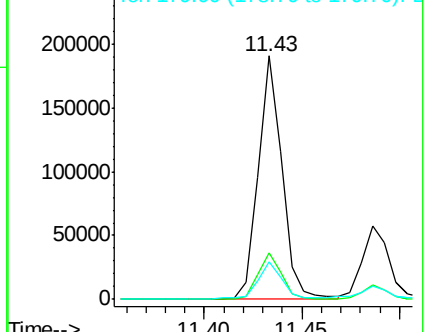


Abundance

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: 3.358 ng

RT: 11.49 min Scan# 1598

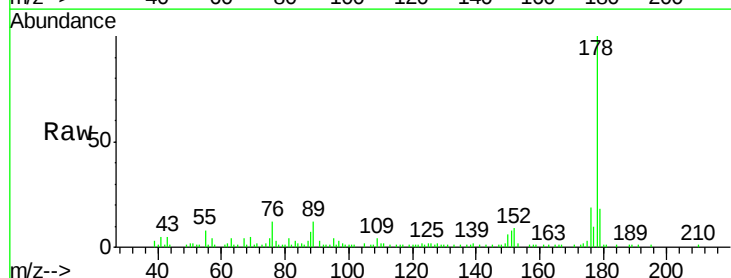
Delta R.T. -0.00 min

Lab File: BF103338.D

Acq: 1 Mar 2018 15:56

Tgt Ion:178 Resp: 56111

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	18.1	12.6	19.0

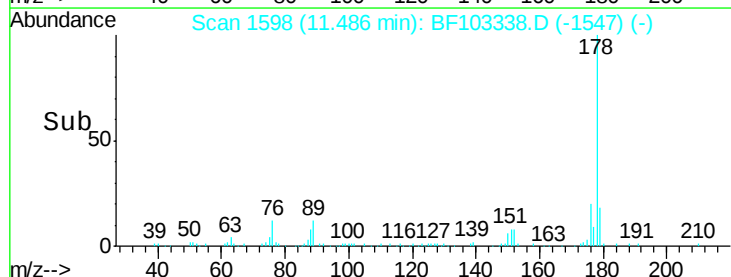
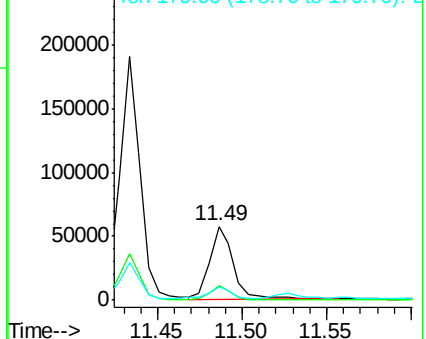


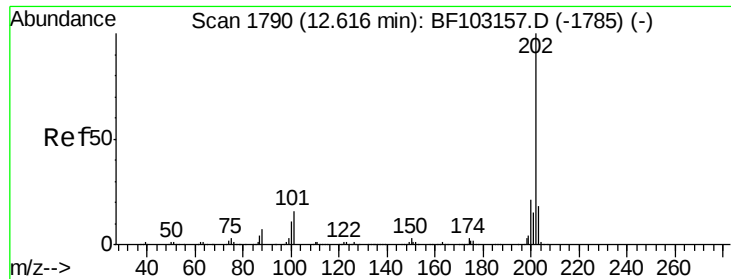
Abundance

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: 20.494 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF103338.D

Acq: 1 Mar 2018 15:56

Instrument :

BNA_F

ClientSampleId :

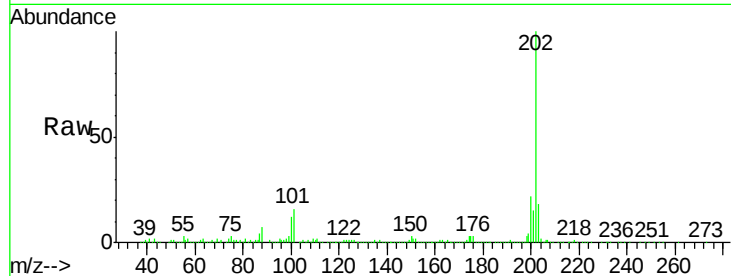
Tot Ion:202 Resp: 335631

Ion Ratio Lower Upper

202 100

101 15.5 0.0 34.1

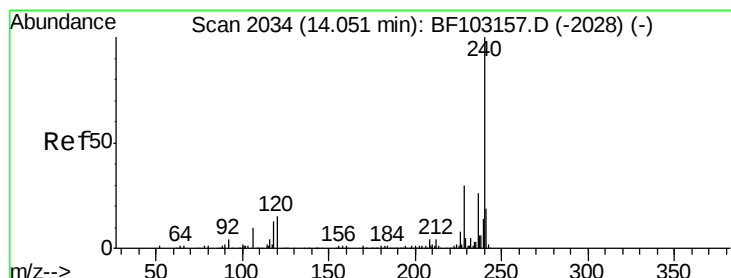
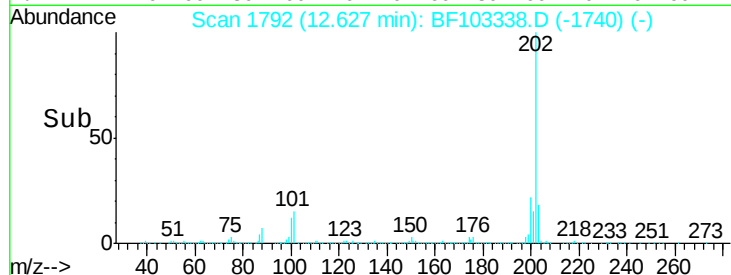
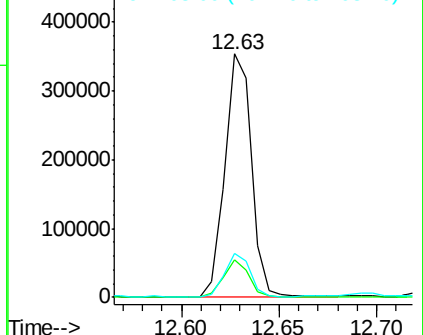
203 18.2 0.0 38.1



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: BF103338.D

Acq: 1 Mar 2018 15:56

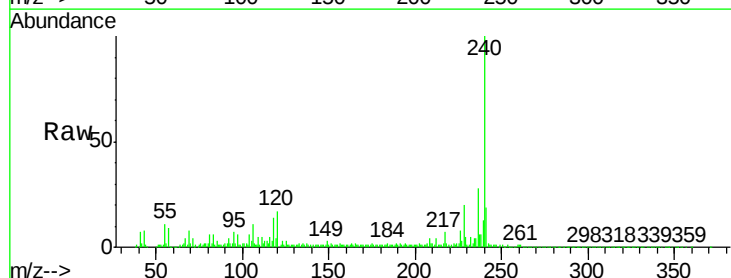
Tgt Ion:240 Resp: 201262

Ion Ratio Lower Upper

240 100

120 16.8 9.5 14.3#

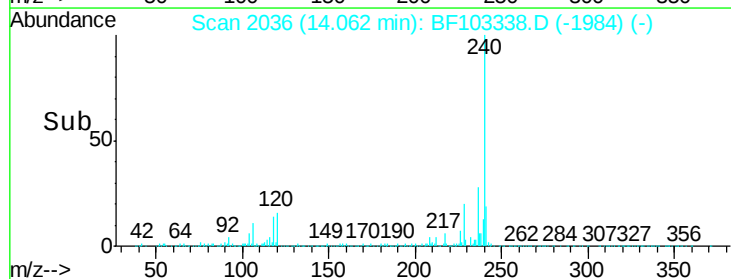
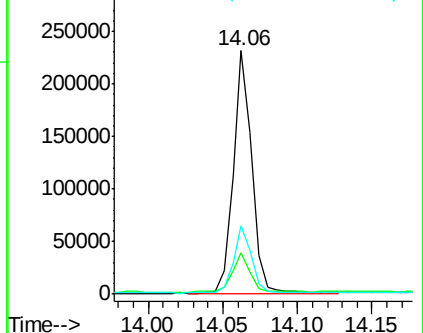
236 28.1 20.7 31.1

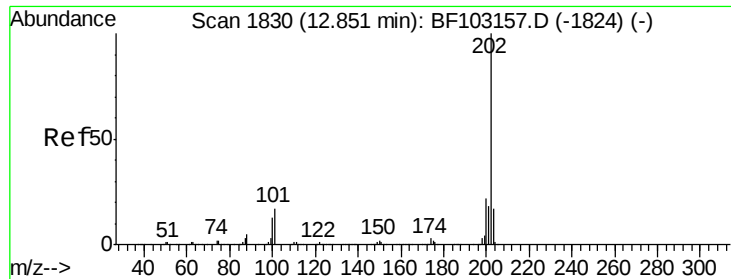


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 21.599 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF103338.D

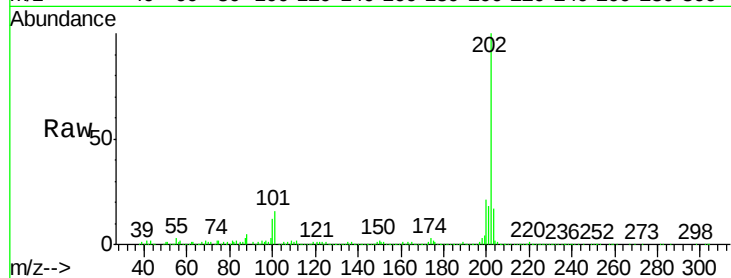
Acq: 1 Mar 2018 15:56

Instrument :

BNA_F

ClientSampleId :

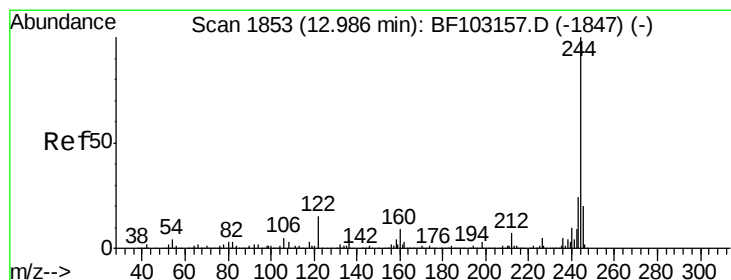
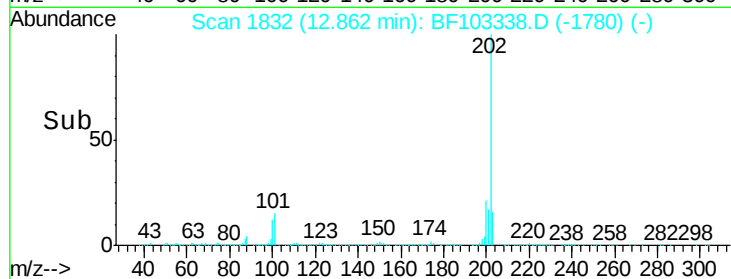
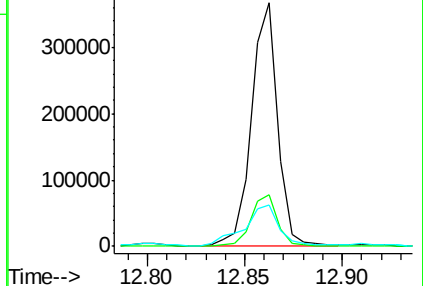
Tot Ion:	202	Resp:	338930
Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	16.9	14.3	21.5



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: 85.013 ng

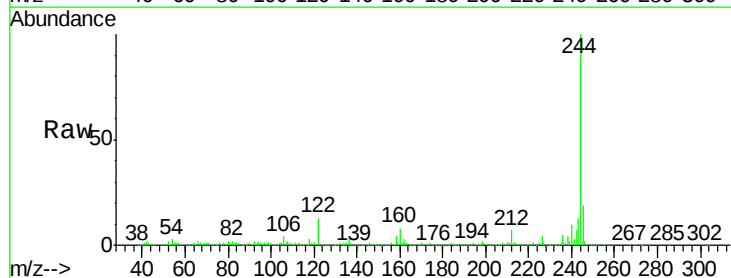
RT: 13.00 min Scan# 1855

Delta R.T. 0.01 min

Lab File: BF103338.D

Acq: 1 Mar 2018 15:56

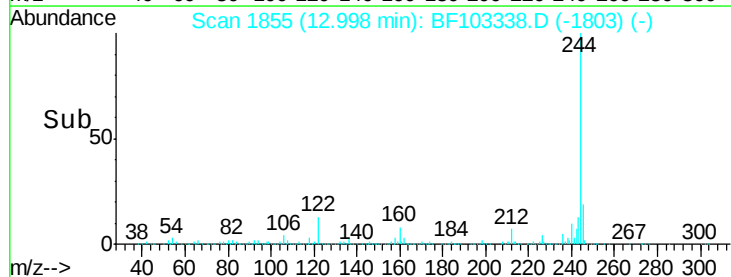
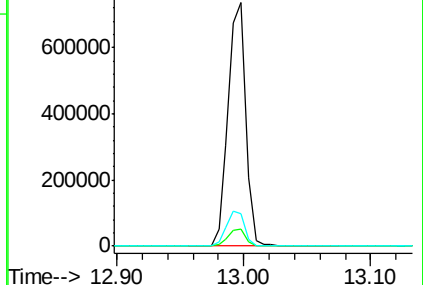
Tgt Ion:	244	Resp:	711767
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	13.1	11.0	16.4

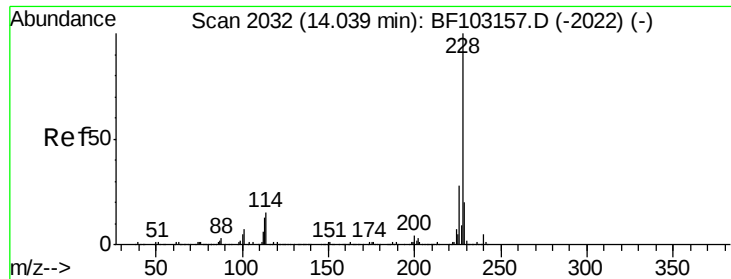


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

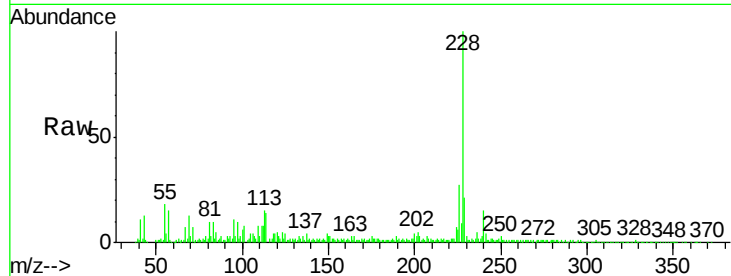




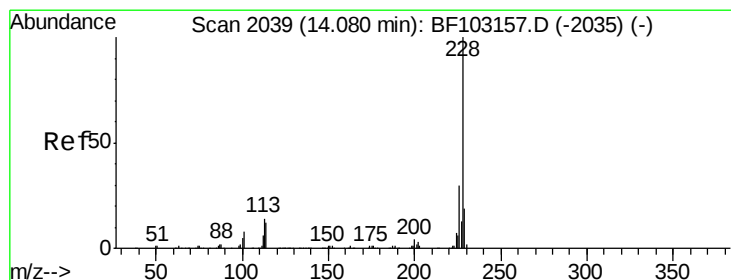
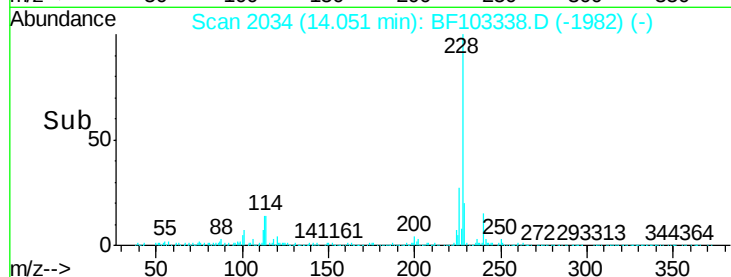
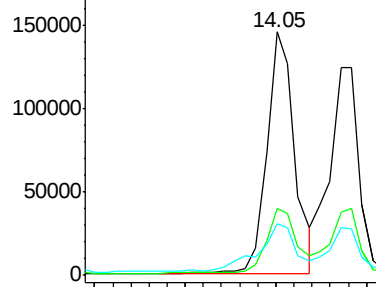
#80
Benzo(a)anthracene
Concen: 11.859 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF103338.D
Acq: 1 Mar 2018 15:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 154865
Ion Ratio Lower Upper
228 100
226 27.3 22.6 33.8
229 21.4 15.8 23.6

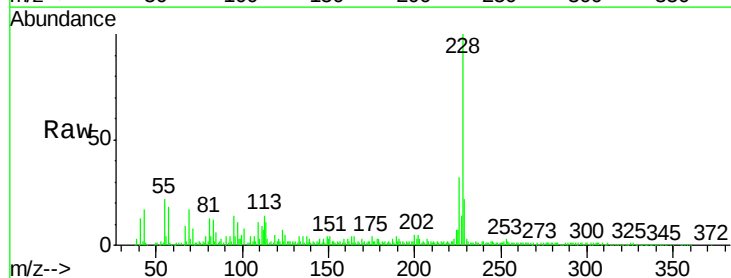


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

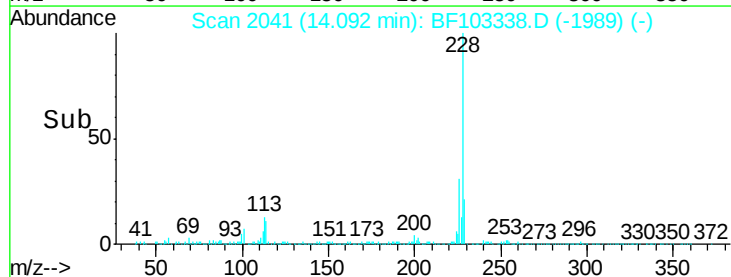
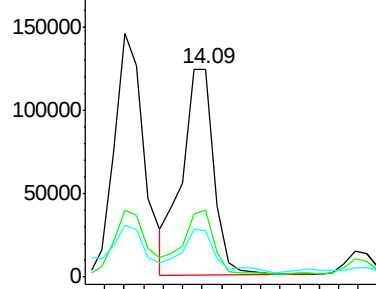


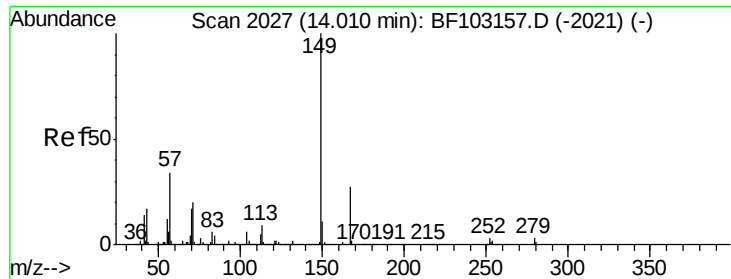
#82
Chrysene
Concen: 11.059 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.01 min
Lab File: BF103338.D
Acq: 1 Mar 2018 15:56

Tgt Ion:228 Resp: 140227
Ion Ratio Lower Upper
228 100
226 32.2 25.0 37.6
229 22.3 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





#83

Bis(2-ethylhexyl)phthalate

Concen: 7.842 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BF103338.D

Acq: 1 Mar 2018 15:56

Instrument :

BNA_F

ClientSampleId :

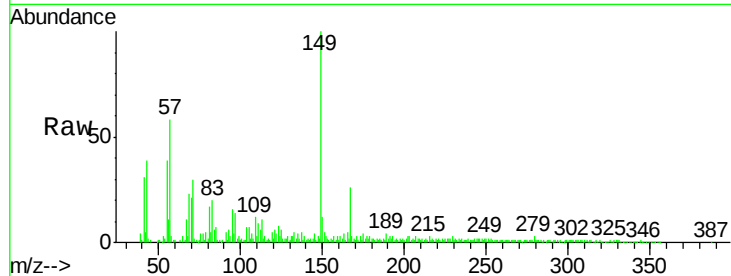
Tot Ion:149 Resp: 87739

Ion Ratio Lower Upper

149 100

167 26.4 21.3 31.9

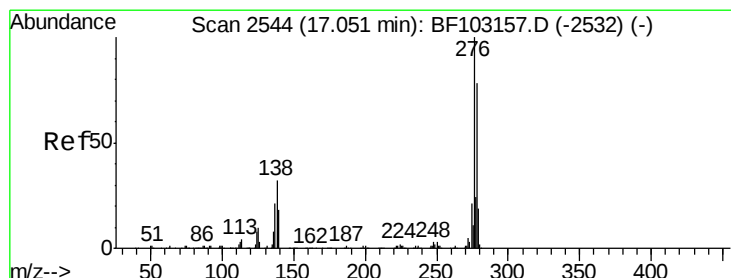
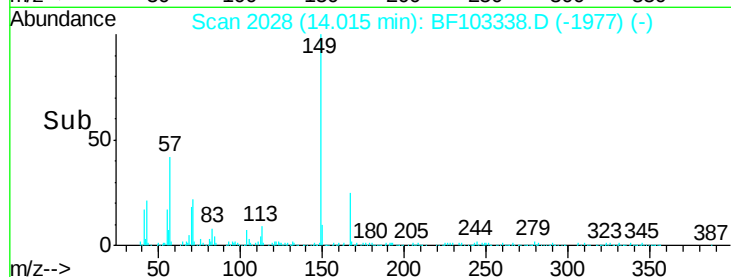
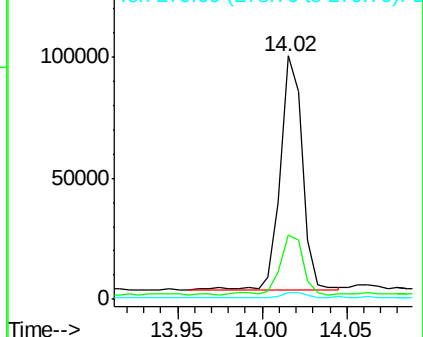
279 2.9 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.363 ng

RT: 17.10 min Scan# 2553

Delta R.T. 0.02 min

Lab File: BF103338.D

Acq: 1 Mar 2018 15:56

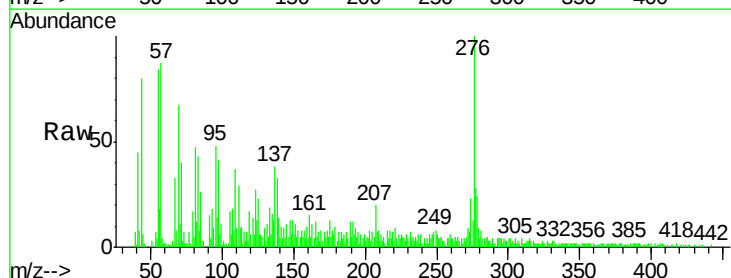
Tgt Ion:276 Resp: 53831

Ion Ratio Lower Upper

276 100

138 29.3 25.0 37.6

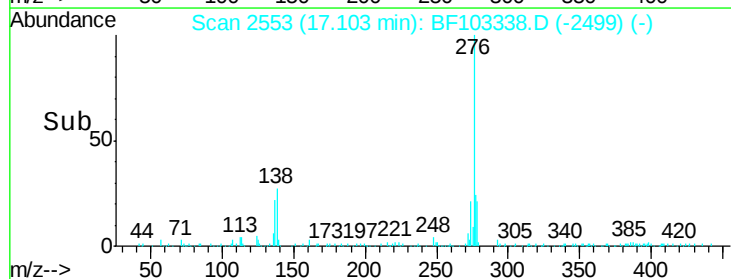
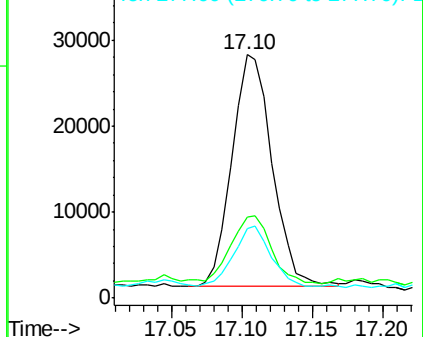
277 24.3 20.1 30.1

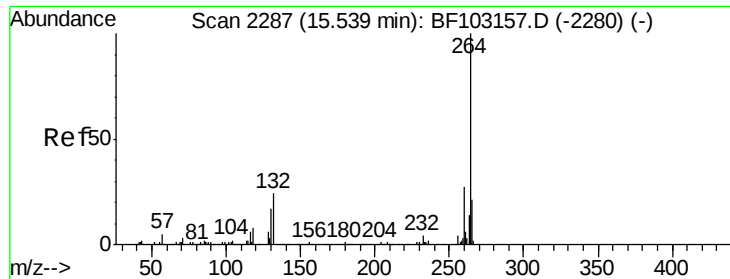


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

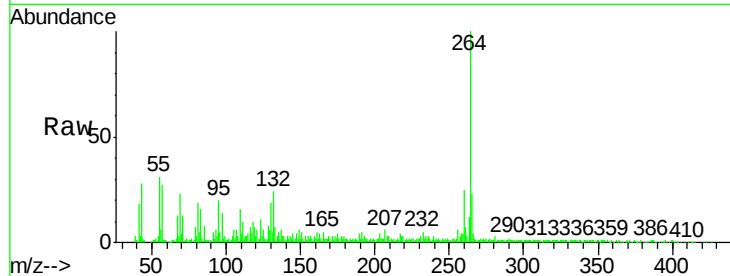




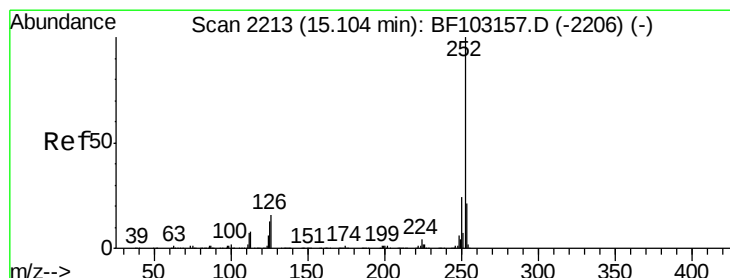
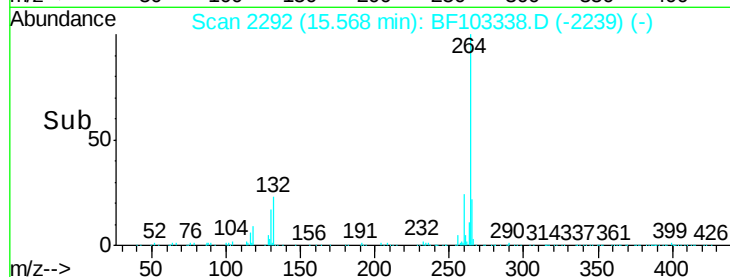
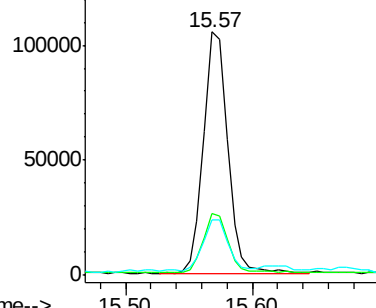
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.01 min
Lab File: BF103338.D
Acq: 1 Mar 2018 15:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 138960
Ion Ratio Lower Upper
264 100
260 25.3 19.2 28.8
265 22.9 17.5 26.3

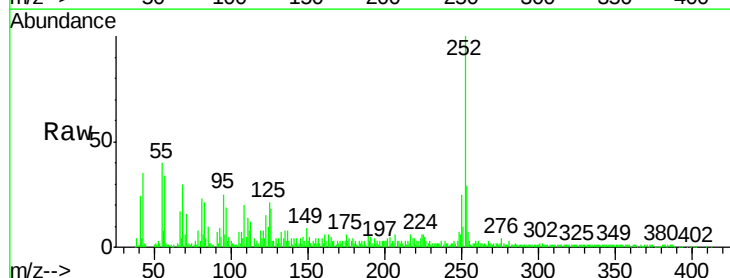


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

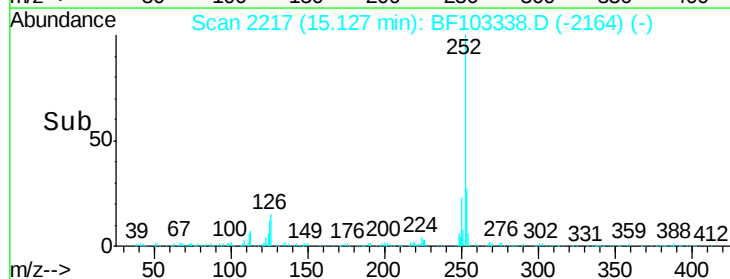
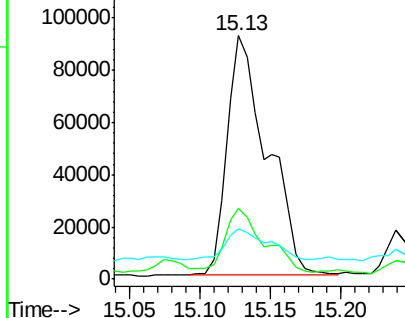


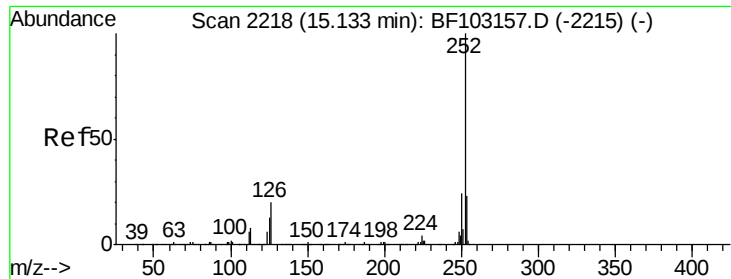
#87
Benzo(b)fluoranthene
Concen: 19.957 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF103338.D
Acq: 1 Mar 2018 15:56

Tgt Ion:252 Resp: 182339
Ion Ratio Lower Upper
252 100
253 29.3 17.0 25.6#
125 20.8 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

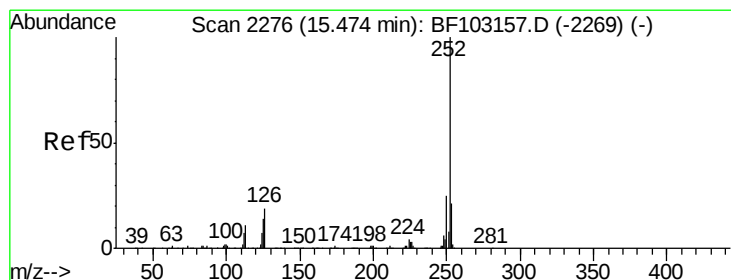
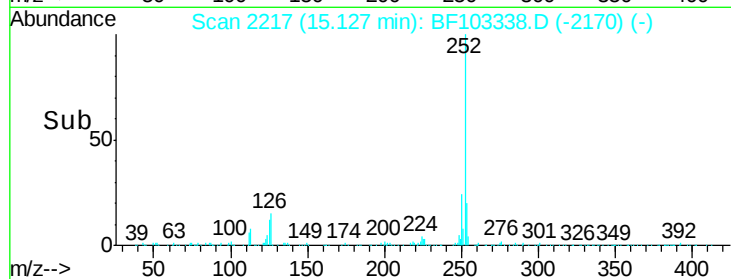
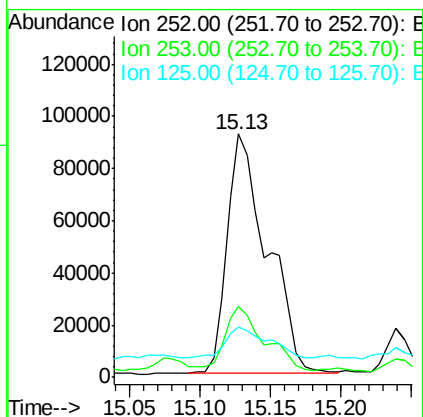
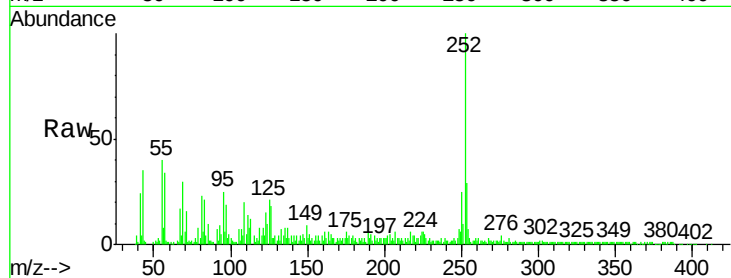




#88
Benzo(k)fluoranthene
Concen: 21.194 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF103338.D
Acq: 1 Mar 2018 15:56

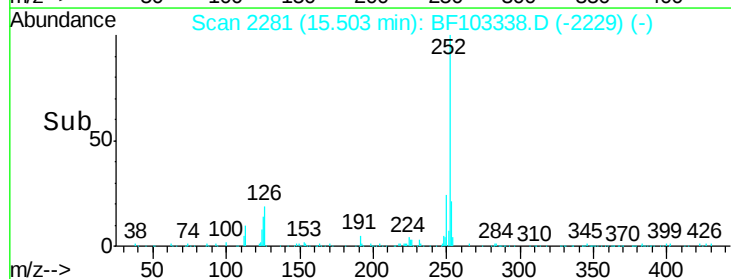
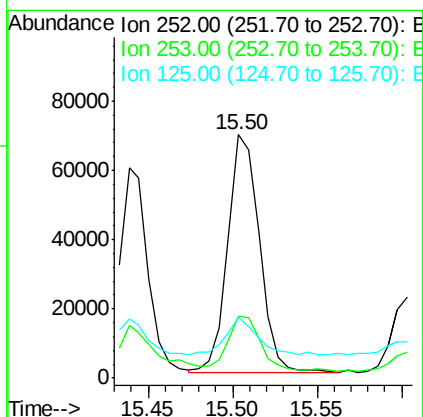
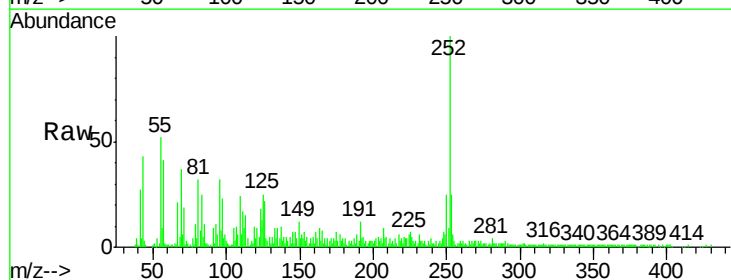
Instrument :
BNA_F
ClientSampleId :

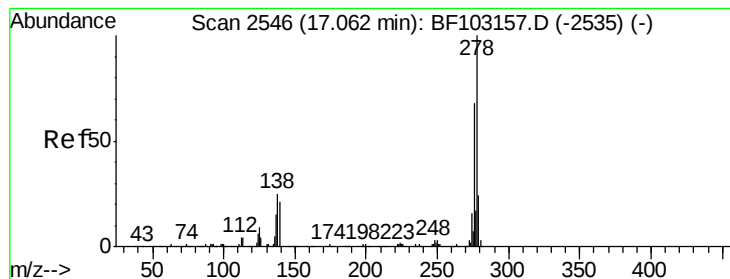
Tot Ion	Ratio	Lower	Upper
252	100		
253	29.3	17.9	26.9#
125	20.8	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 11.123 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF103338.D
Acq: 1 Mar 2018 15:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.1	25.7
125	25.0	9.8	14.6#





#90

Dibenzo(a,h)anthracene

Concen: 2.395 ng

RT: 17.11 min Scan# 2554

Delta R.T. 0.02 min

Lab File: BF103338.D

Acq: 1 Mar 2018 15:56

Instrument :

BNA_F

ClientSampleId :

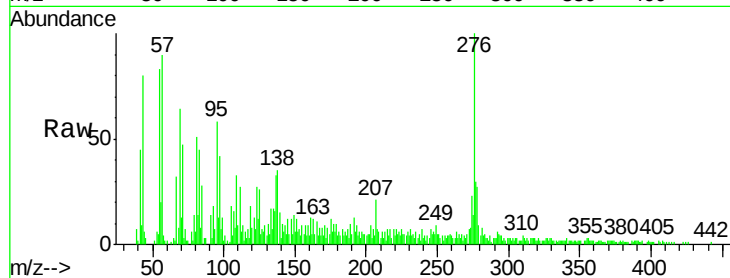
Tot Ion:278 Resp: 15098

Ion Ratio Lower Upper

278 100

139 54.7 15.9 23.9#

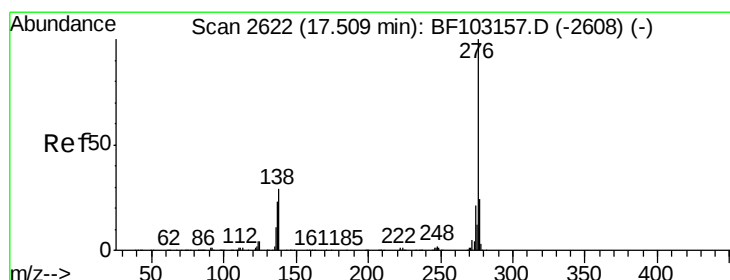
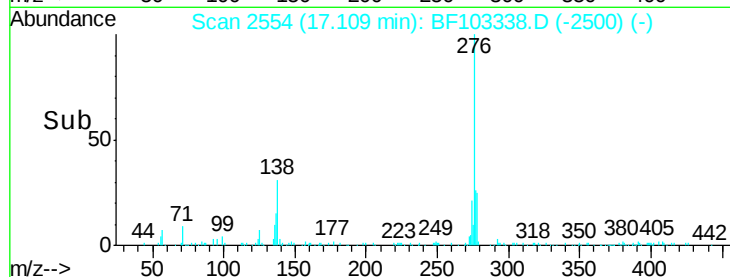
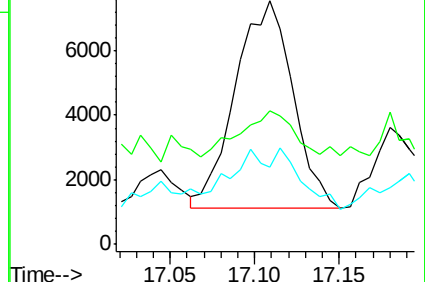
279 31.6 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 8.782 ng

RT: 17.57 min Scan# 2633

Delta R.T. 0.04 min

Lab File: BF103338.D

Acq: 1 Mar 2018 15:56

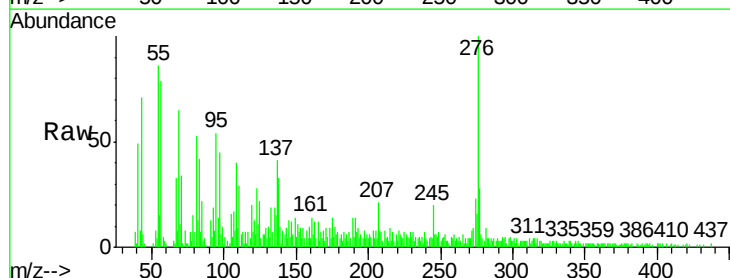
Tgt Ion:276 Resp: 54113

Ion Ratio Lower Upper

276 100

277 28.2 17.9 26.9#

138 33.1 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

