

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101337.D
 Acq On : 12 Dec 2017 18:38
 Operator : SJ/JU
 Sample : I6822-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 13 00:37:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	51163	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	191346	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	78442	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	133034	20.00	ng	0.00
75) Chrysene-d12	14.01	240	112415	20.00	ng	0.00
86) Perylene-d12	15.49	264	87556	20.00	ng	0.02

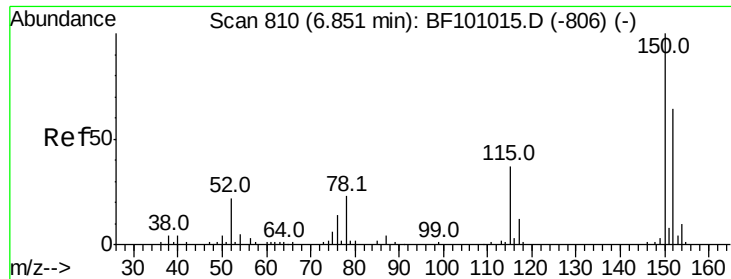
System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	351972	113.68	ng	0.00
7) Phenol-d6	6.47	99	422980	112.52	ng	0.00
23) Nitrobenzene-d5	7.39	82	251470	78.40	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	89319	94.79	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	398484	69.50	ng	0.00
78) Terphenyl-d14	12.94	244	322687	62.79	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.60	77	7992	3.474	ng	84
10) Phenol	6.47	94	13568	3.246	ng	79
19) n-Nitroso-di-n-propylamine	7.39	70	32755	12.938	ng	# 80
25) Isophorone	7.39	82	251507	45.904	ng	# 64
31) Naphthalene	8.13	128	29768	3.157	ng	100
49) Dimethylphthalate	9.57	163	77884	12.311	ng	# 98
51) Acenaphthene	9.89	154	15253	3.037	ng	99
55) 4-Nitrophenol	10.07	139	5230	5.175	ng	# 11
56) 2,4-Dinitrotoluene	9.86	165	10694	5.989	ng	# 21
57) Fluorene	10.41	166	16840	2.862	ng	97
66) 4-Bromophenyl-phenylether	10.66	248	5683	3.816	ng	# 1
70) Phenanthrene	11.38	178	221548	30.241	ng	98
71) Anthracene	11.43	178	64891	8.752	ng	98
72) Carbazole	11.59	167	21951	3.240	ng	97
74) Fluoranthene	12.57	202	359671	44.290	ng	96
77) Pyrene	12.81	202	336405	43.368	ng	100
80) Benzo(a)anthracene	14.00	228	198412	27.954	ng	98
82) Chrysene	14.03	228	164310	24.927	ng	96
85) Indeno(1,2,3-cd)pyrene	16.98	276	91126	15.550	ng	# 88
87) Benzo(b)fluoranthene	15.06	252	266445	50.806	ng	98
88) Benzo(k)fluoranthene	15.06	252	266332	51.546	ng	98
89) Benzo(a)pyrene	15.43	252	153833	32.265	ng	97
90) Dibenzo(a,h)anthracene	16.98	278	24729	5.883	ng	# 90
91) Benzo(g,h,i)perylene	17.43	276	87339	22.049	ng	# 89

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

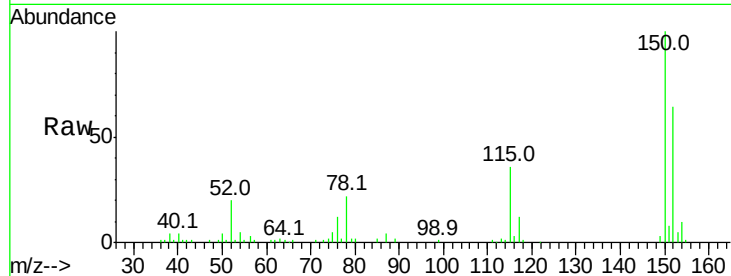


#1

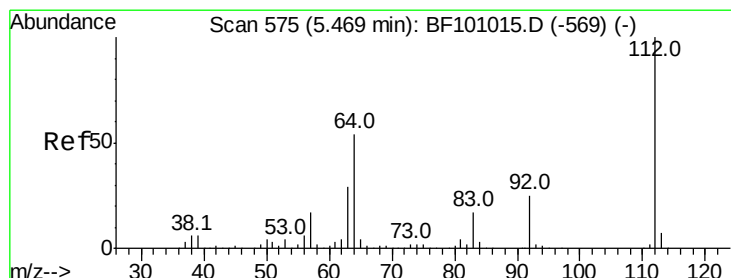
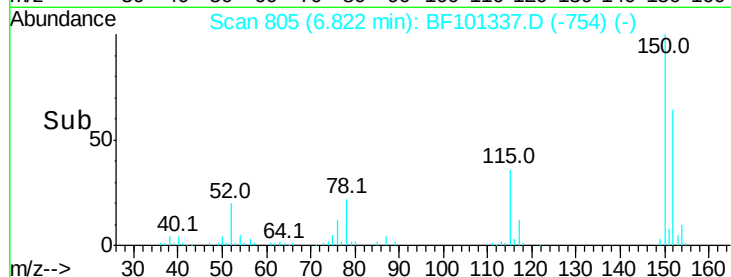
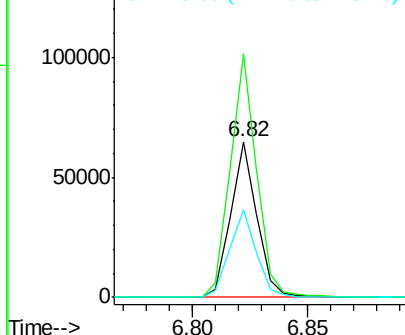
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF101337.D
Acq: 12 Dec 2017 18:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 51163
Ion Ratio Lower Upper
152 100
150 156.3 124.6 186.8
115 55.8 50.1 75.1



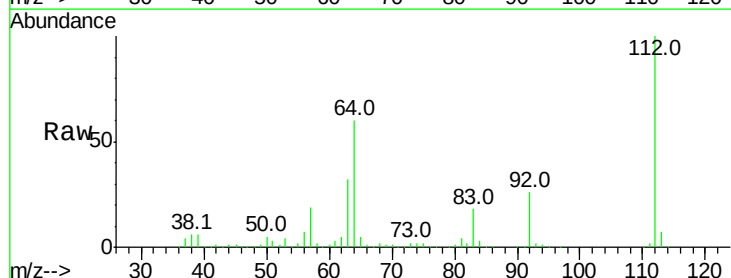
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



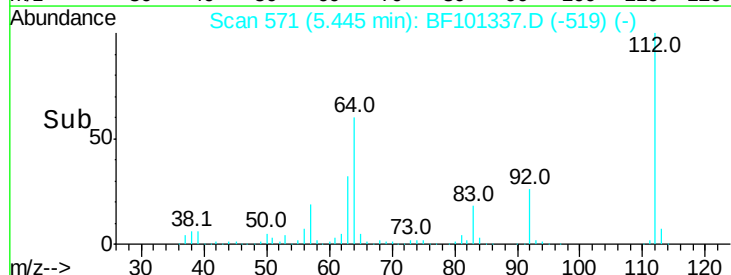
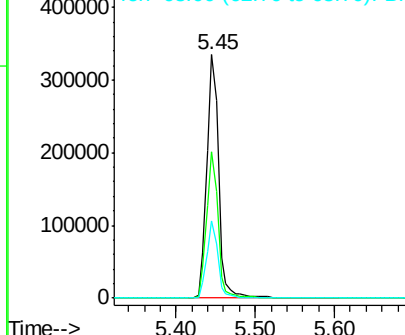
#5

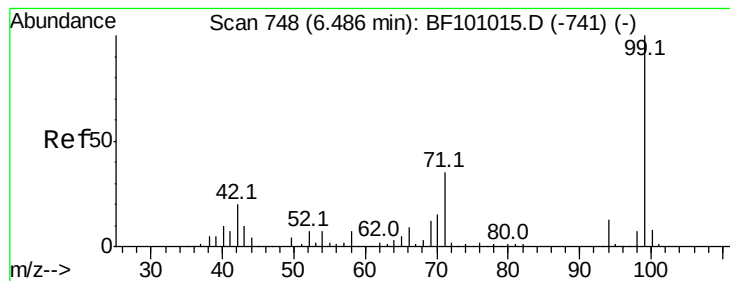
2-Fluorophenol
Concen: 113.679 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF101337.D
Acq: 12 Dec 2017 18:38

Tgt Ion:112 Resp: 351972
Ion Ratio Lower Upper
112 100
64 60.3 47.9 71.9
63 31.8 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: 112.522 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101337.D

Acq: 12 Dec 2017 18:38

Instrument :

BNA_F

ClientSampled :

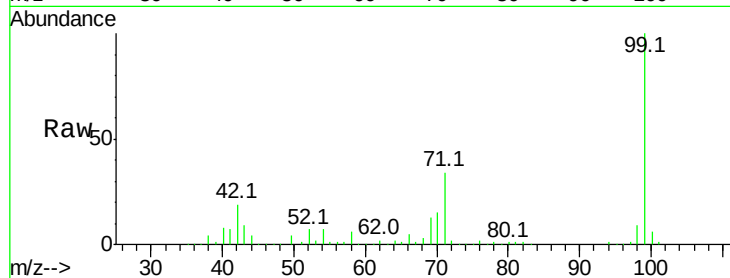
Tot Ion: 99 Resp: 422980

Ion Ratio Lower Upper

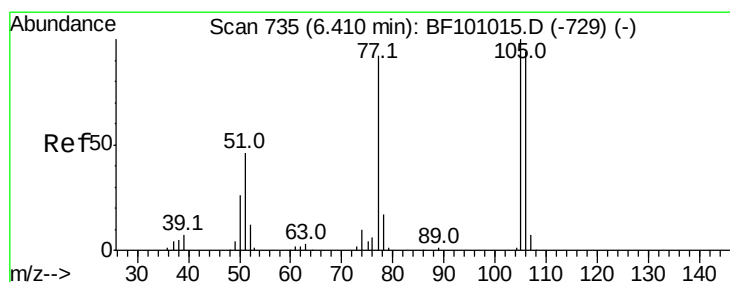
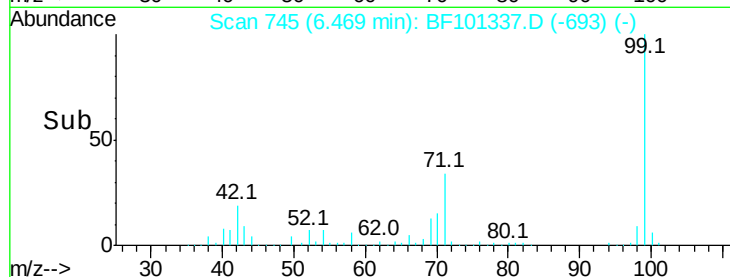
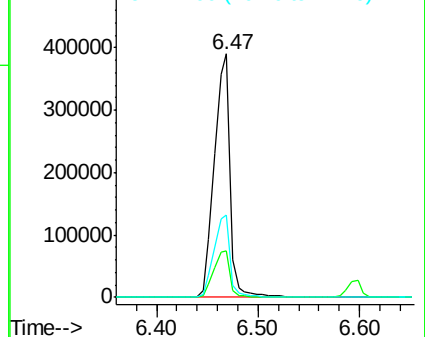
99 100

42 18.9 14.5 21.7

71 33.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 3.474 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.22 min

Lab File: BF101337.D

Acq: 12 Dec 2017 18:38

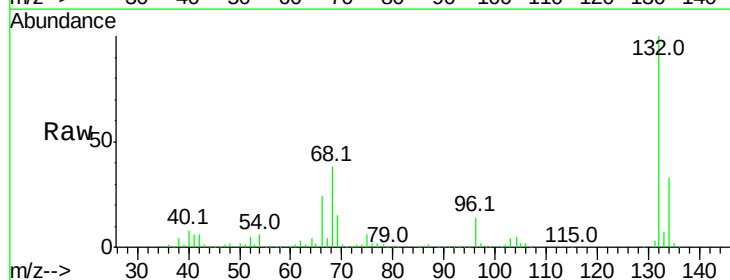
Tgt Ion: 77 Resp: 7992

Ion Ratio Lower Upper

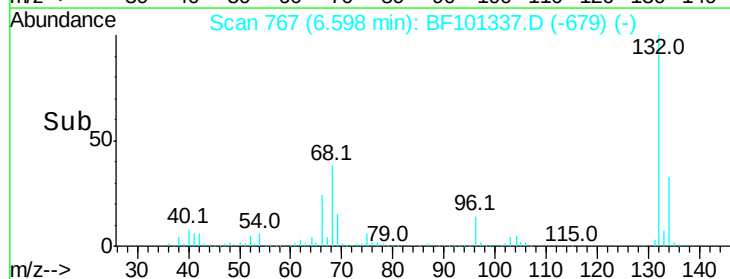
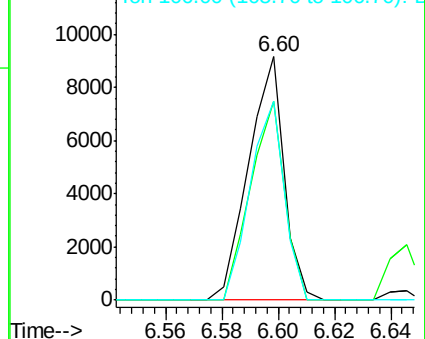
77 100

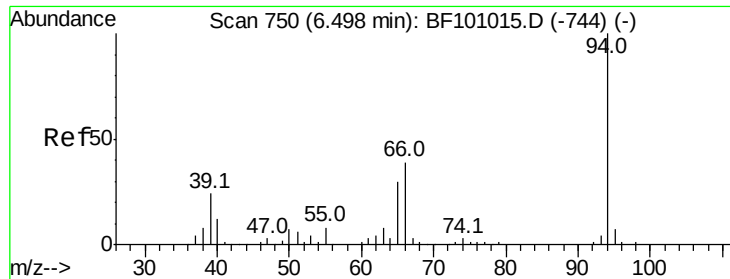
105 81.6 81.1 121.1

106 81.9 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

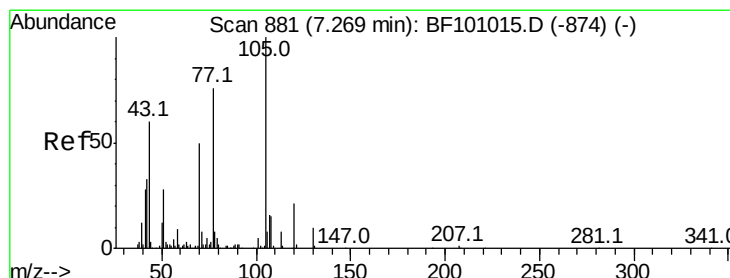
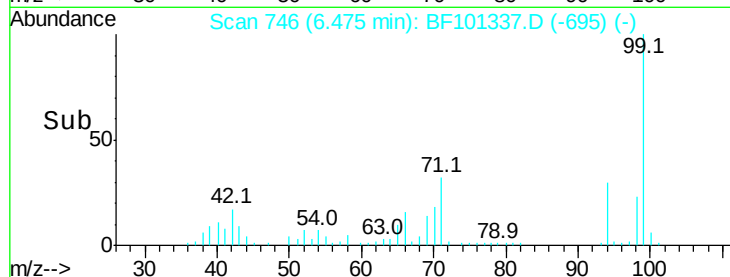
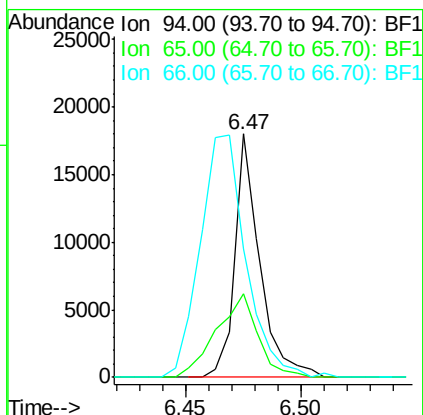
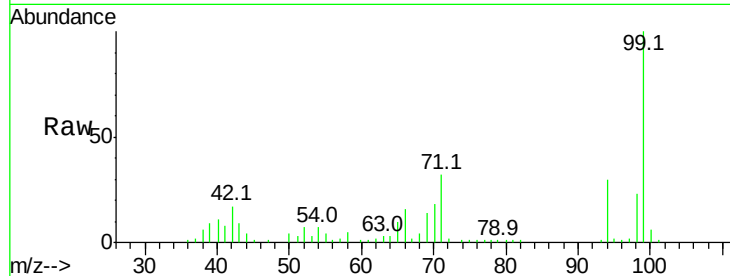




#10
Phenol
Concen: 3.246 ng
RT: 6.47 min Scan# 746
Delta R.T. 0.00 min
Lab File: BF101337.D
Acq: 12 Dec 2017 18:38

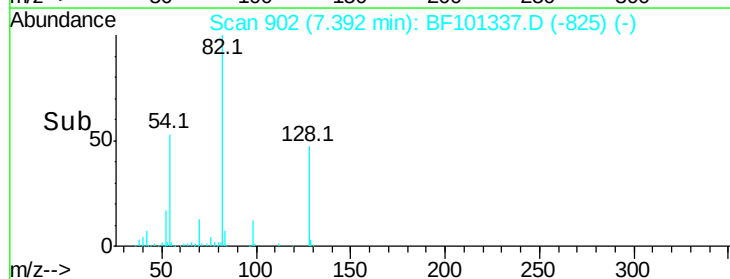
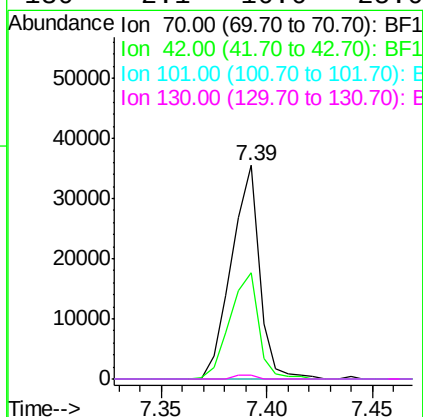
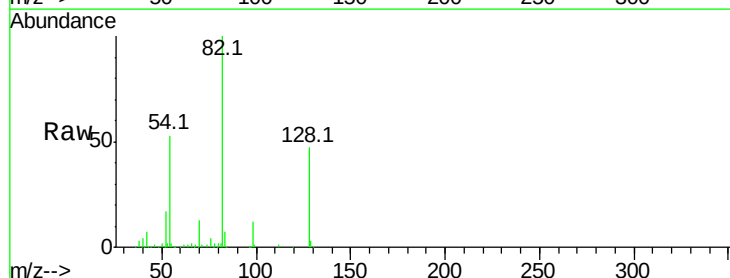
Instrument :
BNA_F
ClientSampled :

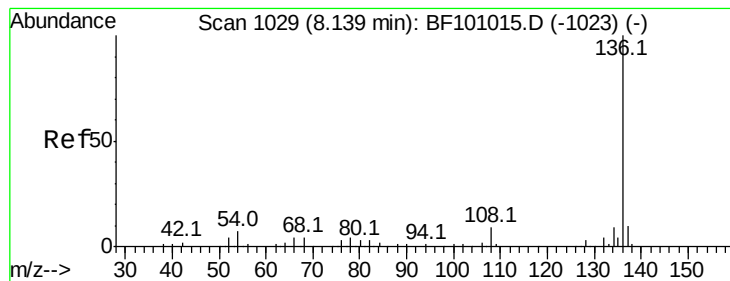
Tot Ion: 94 Resp: 13568
Ion Ratio Lower Upper
94 100
65 34.1 7.9 47.9
66 52.5 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.938 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.15 min
Lab File: BF101337.D
Acq: 12 Dec 2017 18:38

Tgt Ion: 70 Resp: 32755
Ion Ratio Lower Upper
70 100
42 50.0 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: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF101337.D

Acq: 12 Dec 2017 18:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 191346

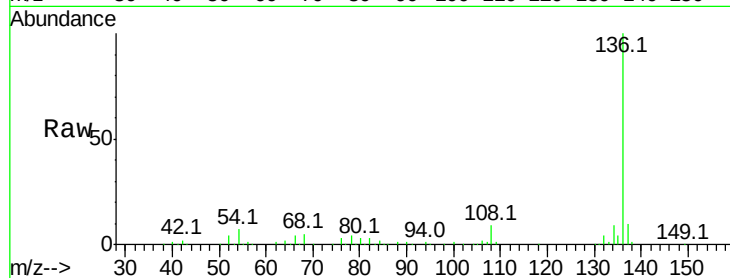
Ion Ratio Lower Upper

136 100

137 10.1 8.9 13.3

54 7.2 6.6 9.8

68 4.6 5.0 7.4#

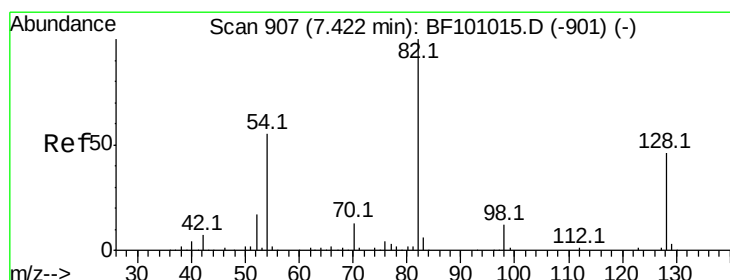
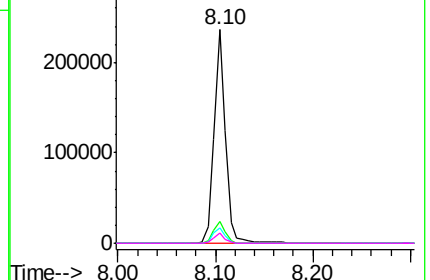
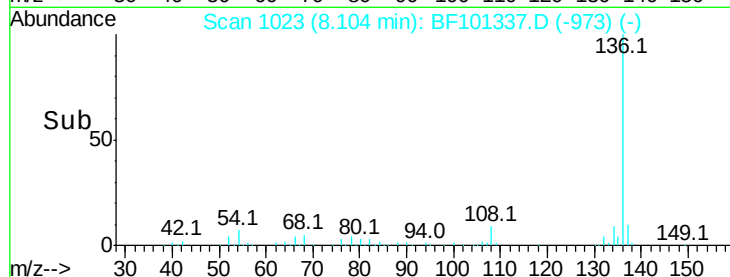


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.397 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF101337.D

Acq: 12 Dec 2017 18:38

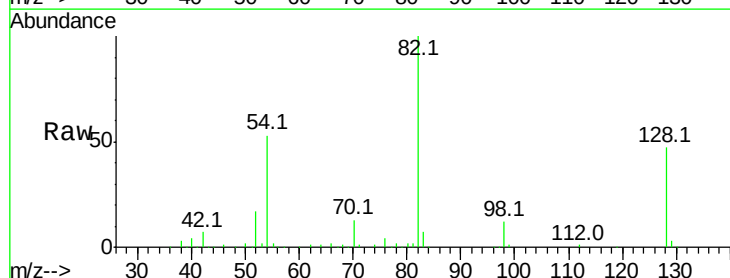
Tgt Ion: 82 Resp: 251470

Ion Ratio Lower Upper

82 100

128 46.9 36.1 54.1

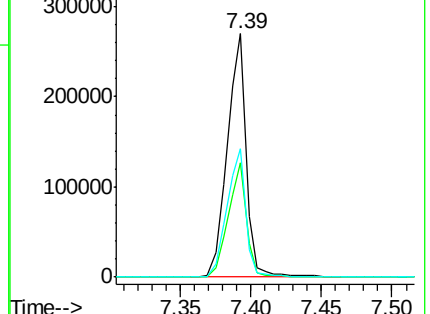
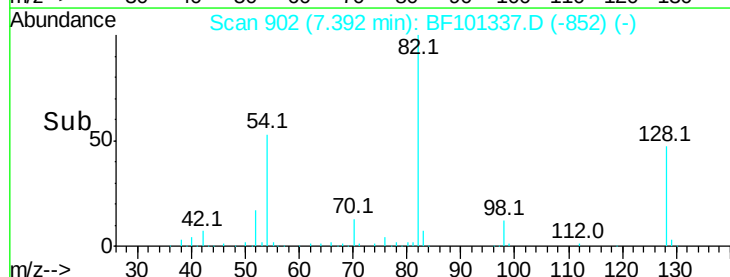
54 52.7 41.4 62.2

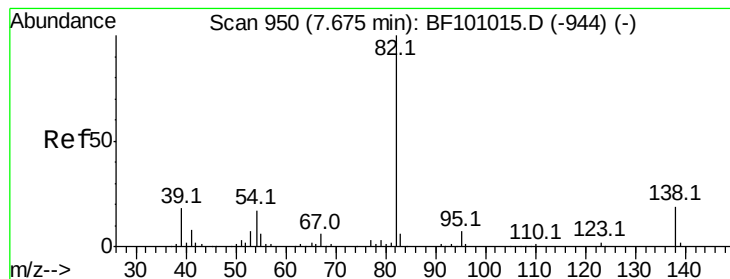


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 45.904 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF101337.D

Acq: 12 Dec 2017 18:38

Instrument :

BNA_F

ClientSampleId :

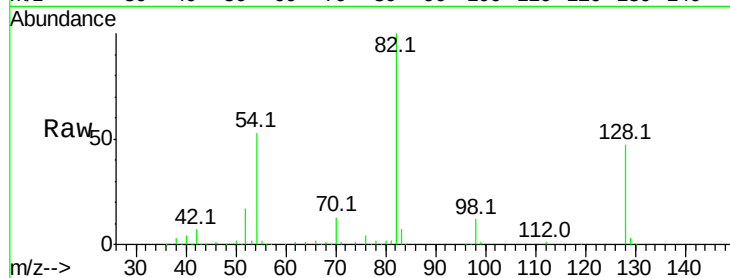
Tot Ion: 82 Resp: 251507

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

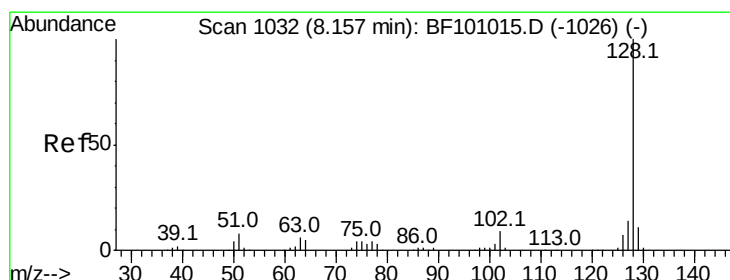
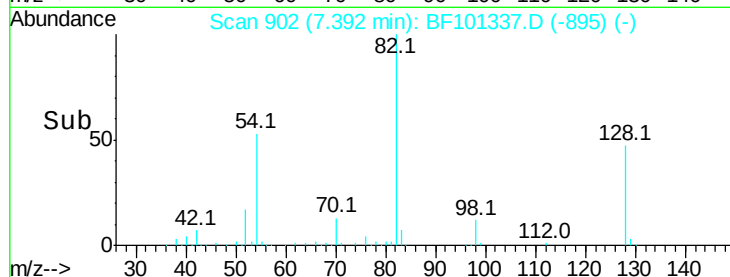
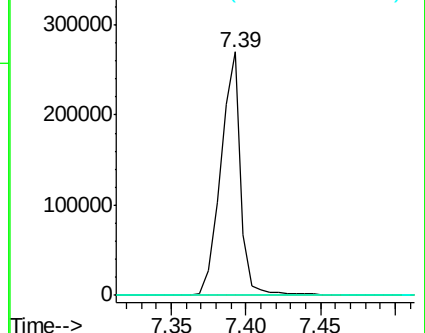
138 0.0 14.9 22.3#



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



#31

Naphthalene

Concen: 3.157 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF101337.D

Acq: 12 Dec 2017 18:38

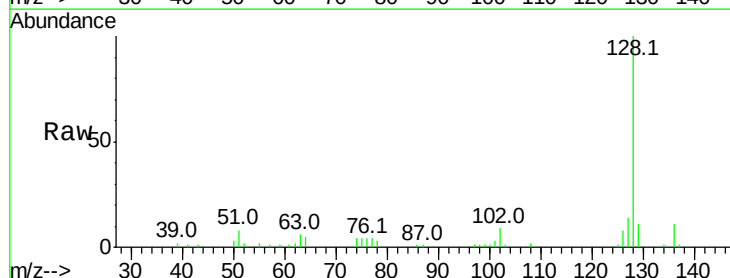
Tgt Ion: 128 Resp: 29768

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

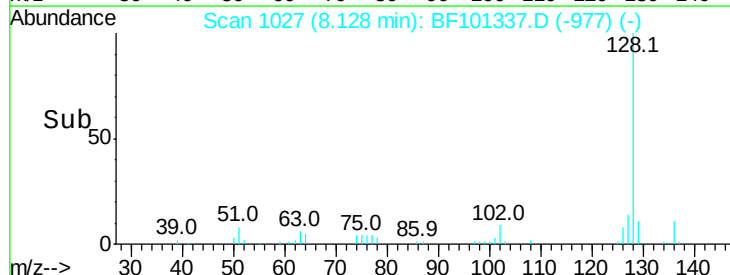
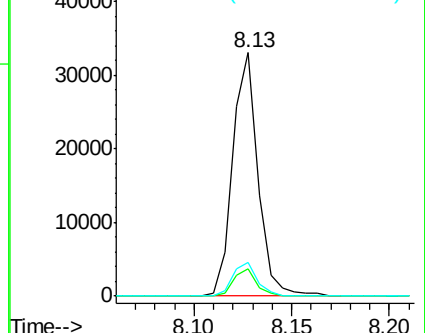
127 13.9 10.9 16.3

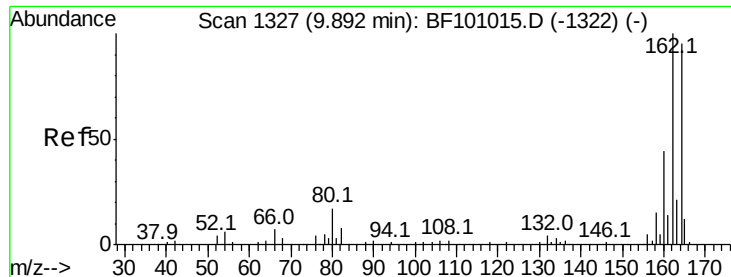


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

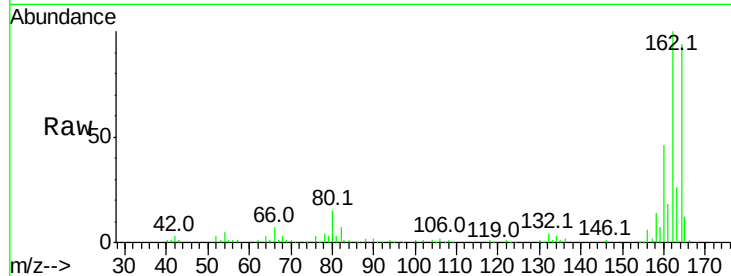




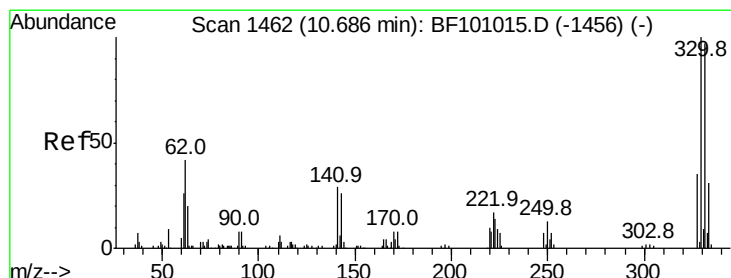
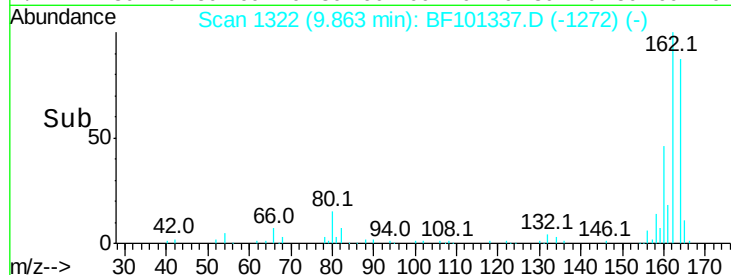
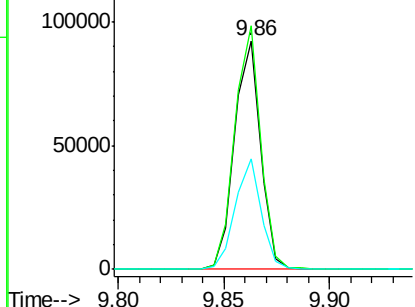
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF101337.D
Acq: 12 Dec 2017 18:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 78442
Ion Ratio Lower Upper
164 100
162 106.4 86.1 129.1
160 48.5 38.3 57.5

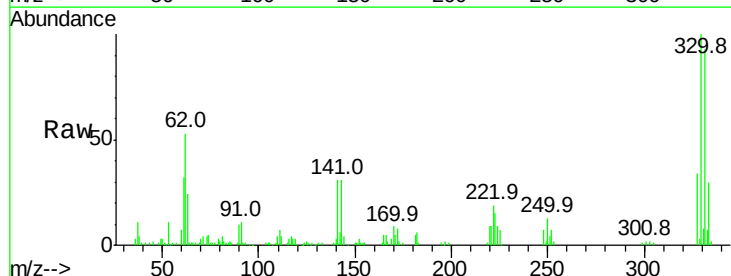


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

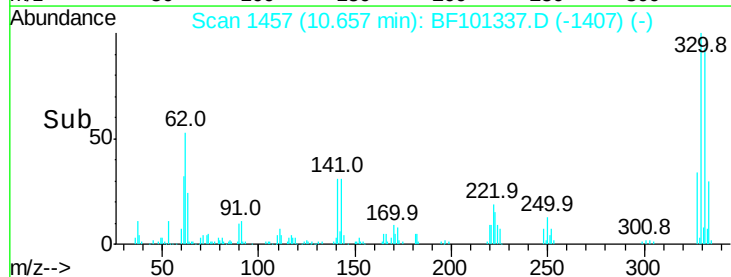
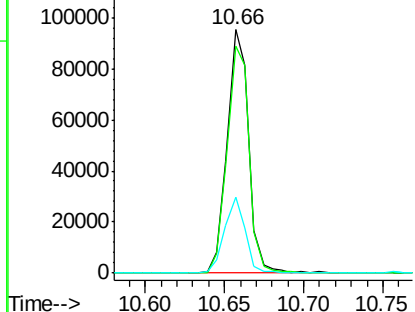


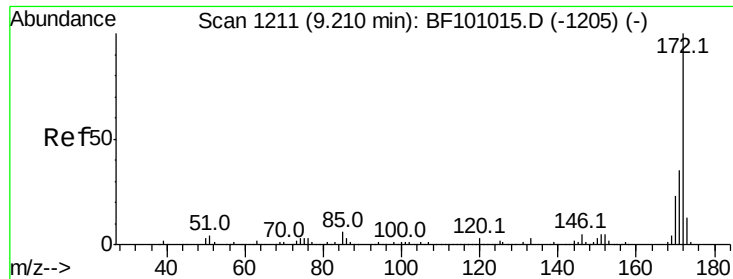
#41
2,4,6-Tribromophenol
Concen: 94.787 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.01 min
Lab File: BF101337.D
Acq: 12 Dec 2017 18:38

Tgt Ion:330 Resp: 89319
Ion Ratio Lower Upper
330 100
332 96.1 77.0 115.6
141 30.5 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

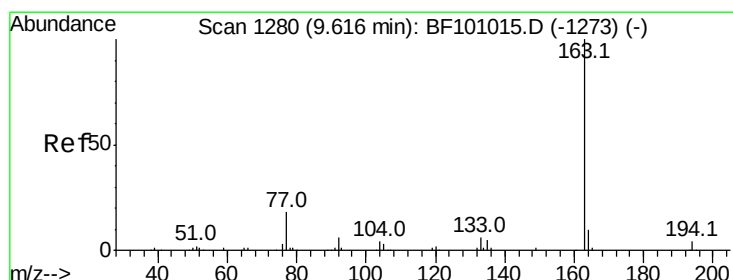
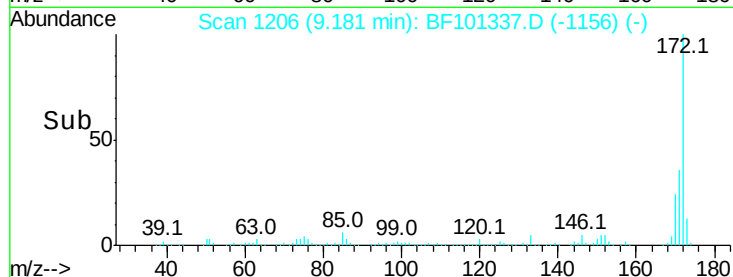
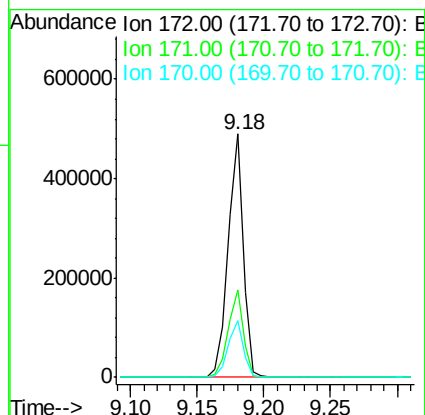
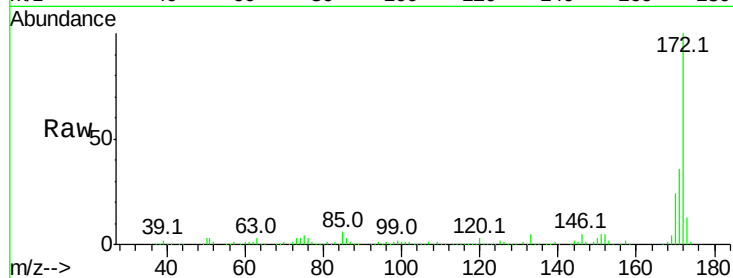




#44
2-Fluorobiphenyl
Concen: 69.504 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF101337.D
Acq: 12 Dec 2017 18:38

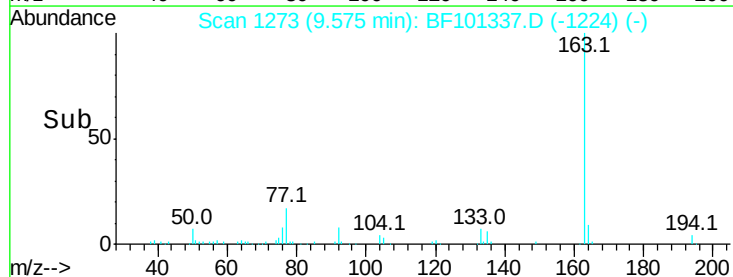
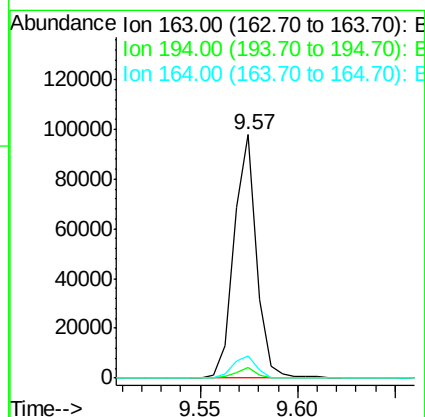
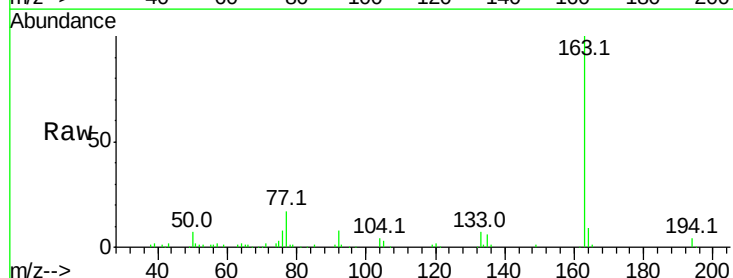
Instrument :
BNA_F
ClientSampleId :

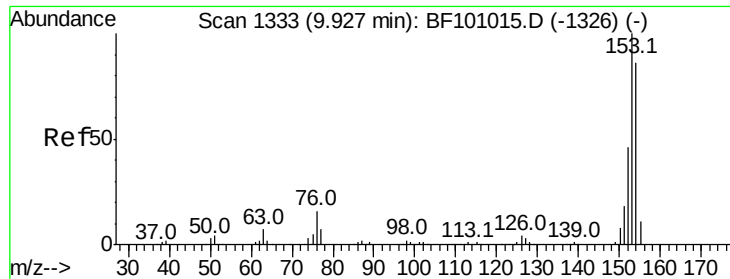
Tot Ion:172 Resp: 398484
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 23.5 19.6 29.4



#49
Dimethylphthalate
Concen: 12.311 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF101337.D
Acq: 12 Dec 2017 18:38

Tgt Ion:163 Resp: 77884
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 9.3 8.2 12.2





#51

Acenaphthene

Concen: 3.037 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF101337.D

Acq: 12 Dec 2017 18:38

Instrument :

BNA_F

ClientSampleId :

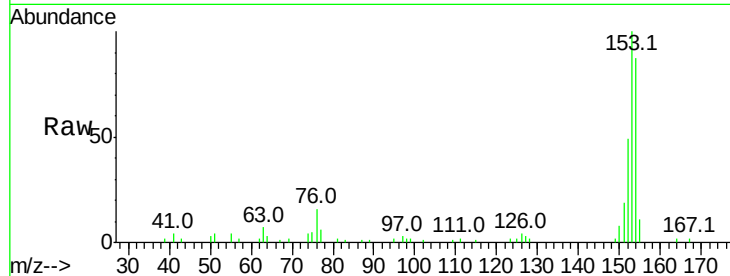
Tot Ion:154 Resp: 15253

Ion Ratio Lower Upper

154 100

153 114.6 91.2 136.8

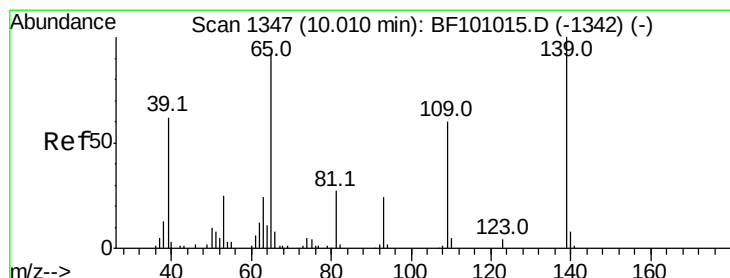
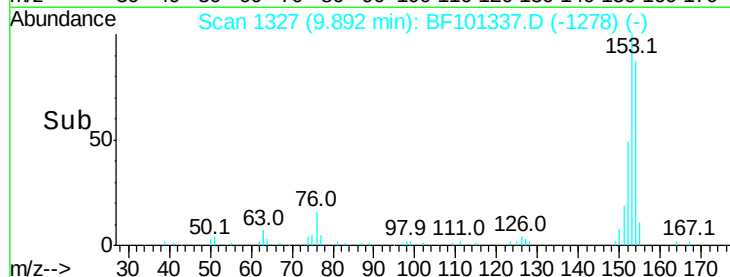
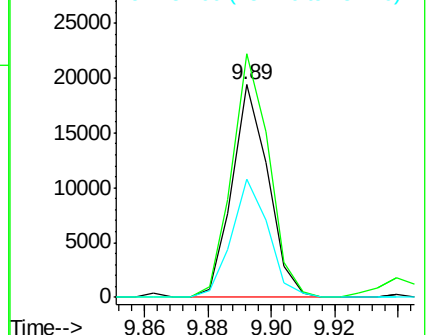
152 55.9 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

4-Nitrophenol

Concen: 5.175 ng

RT: 10.07 min Scan# 1357

Delta R.T. 0.08 min

Lab File: BF101337.D

Acq: 12 Dec 2017 18:38

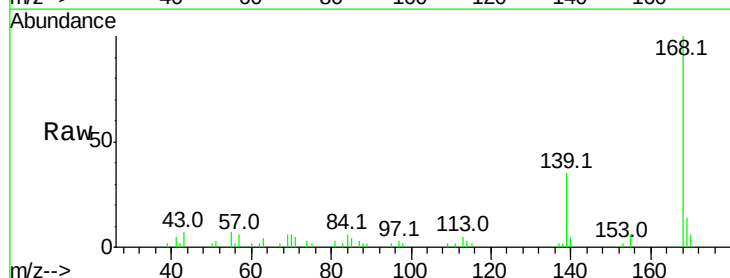
Tgt Ion:139 Resp: 5230

Ion Ratio Lower Upper

139 100

109 5.5 48.4 88.4#

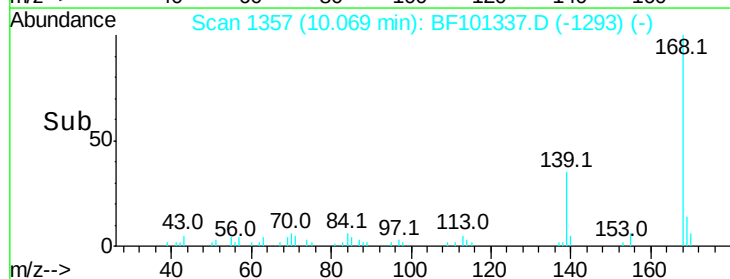
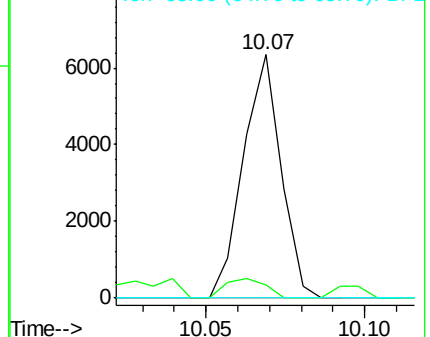
65 0.0 72.6 112.6#

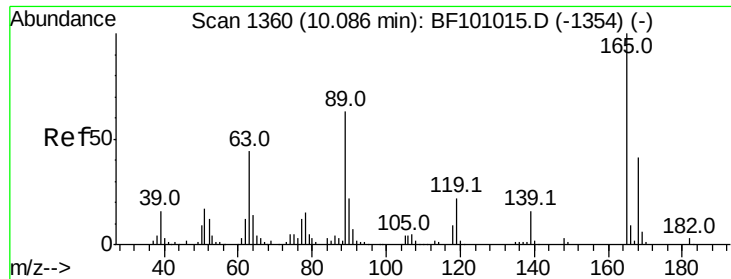


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#56

2,4-Dinitrotoluene

Concen: 5.989 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.20 min

Lab File: BF101337.D

Acq: 12 Dec 2017 18:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 10694

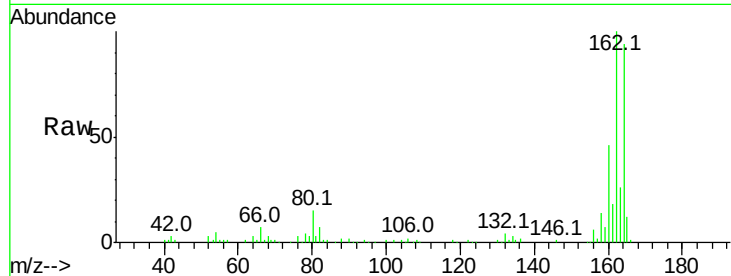
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

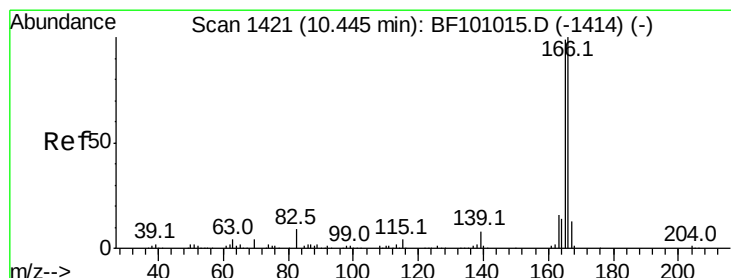
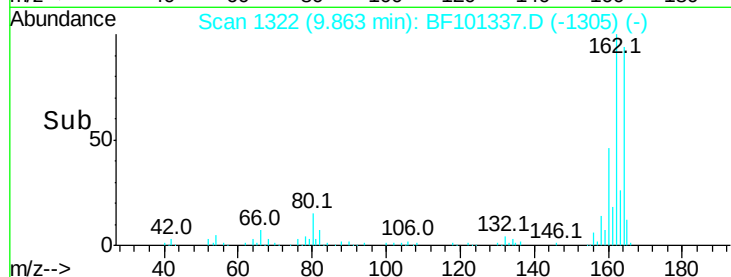
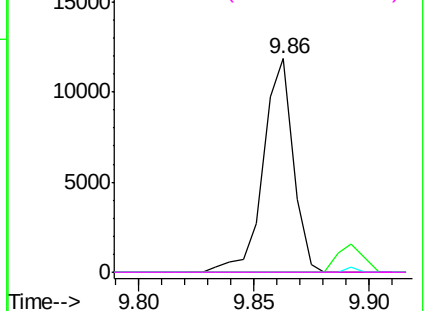


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: 2.862 ng

RT: 10.41 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BF101337.D

Acq: 12 Dec 2017 18:38

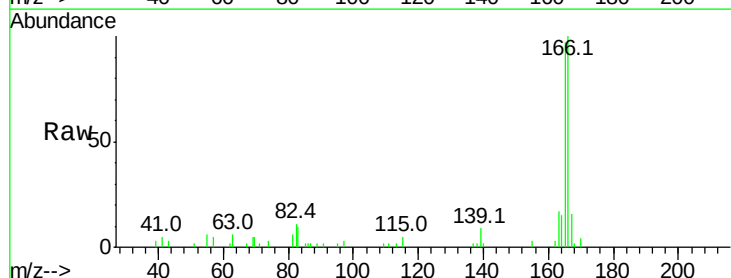
Tgt Ion:166 Resp: 16840

Ion Ratio Lower Upper

166 100

165 96.9 79.8 119.8

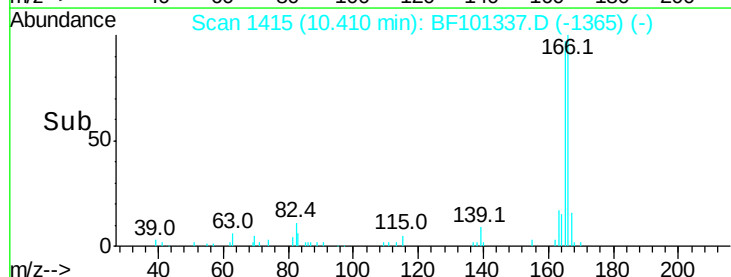
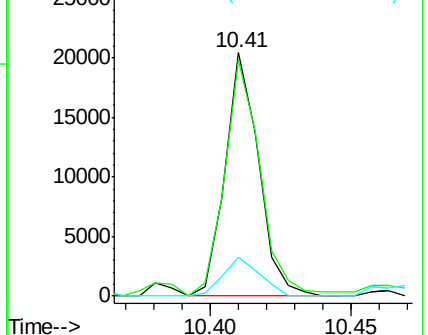
167 15.9 10.6 16.0

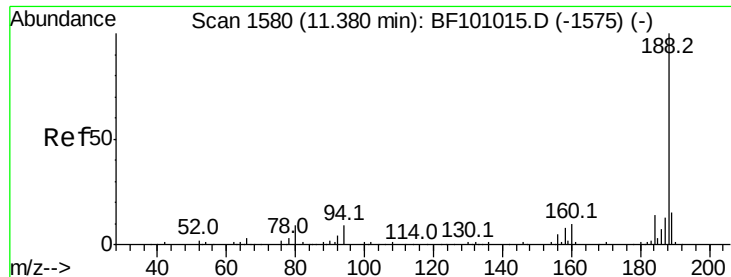


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. 0.00 min

Lab File: BF101337.D

Acq: 12 Dec 2017 18:38

Instrument :

BNA_F

ClientSampleId :

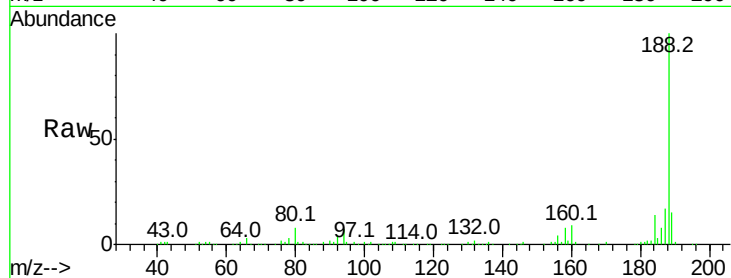
Tot Ion:188 Resp: 133034

Ion Ratio Lower Upper

188 100

94 7.2 8.5 12.7#

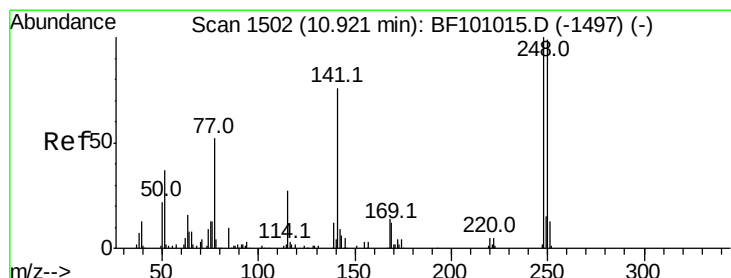
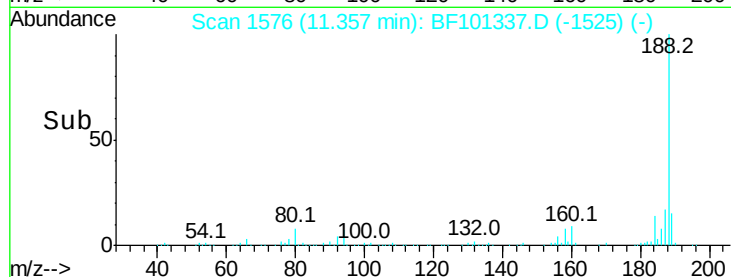
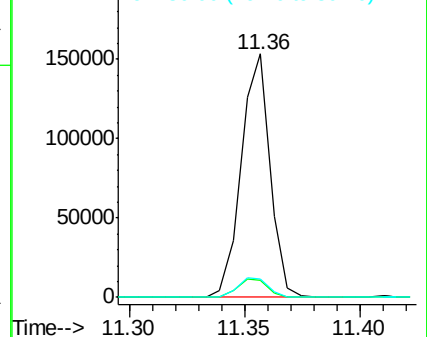
80 7.6 9.2 13.8#



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



#66

4-Bromophenyl-phenylether

Concen: 3.816 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.24 min

Lab File: BF101337.D

Acq: 12 Dec 2017 18:38

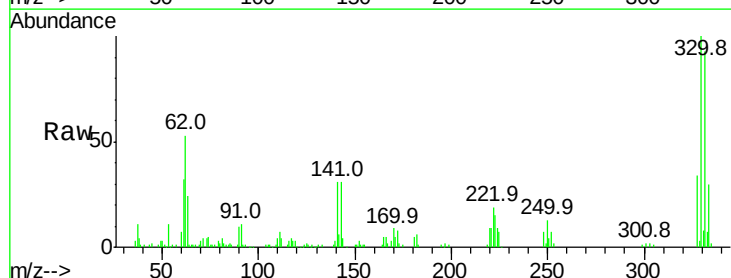
Tgt Ion:248 Resp: 5683

Ion Ratio Lower Upper

248 100

250 175.9 76.9 115.3#

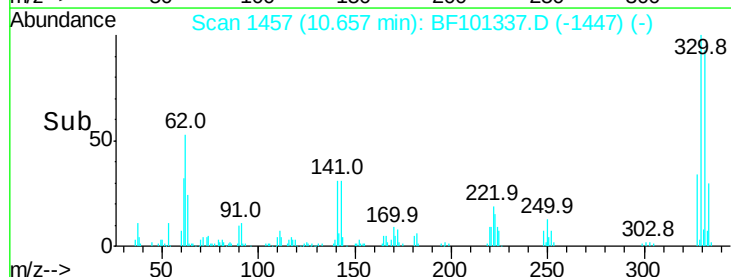
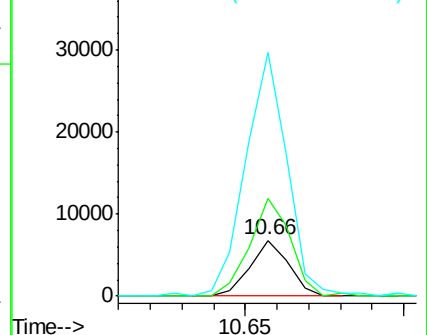
141 435.9 74.4 111.6#

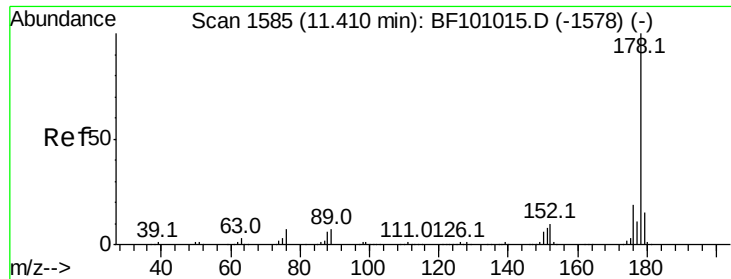


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

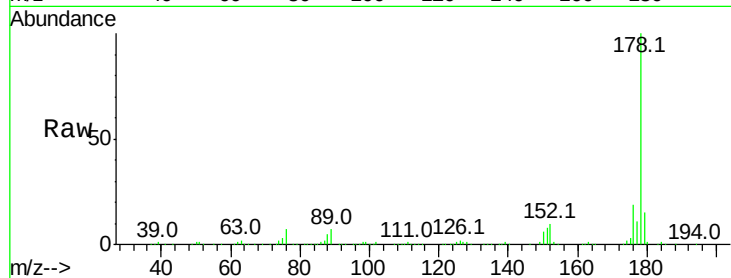




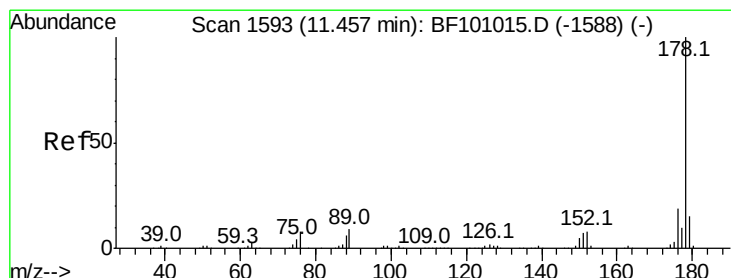
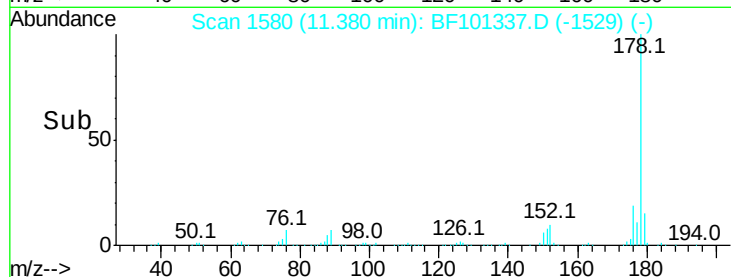
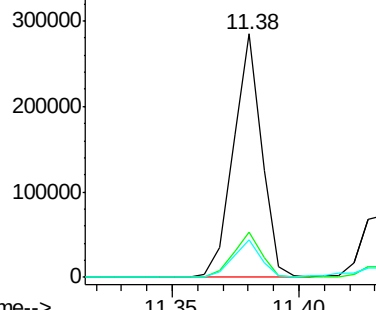
#70
Phenanthrene
Concen: 30.241 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF101337.D
Acq: 12 Dec 2017 18:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 221548
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 15.4 13.0 19.6

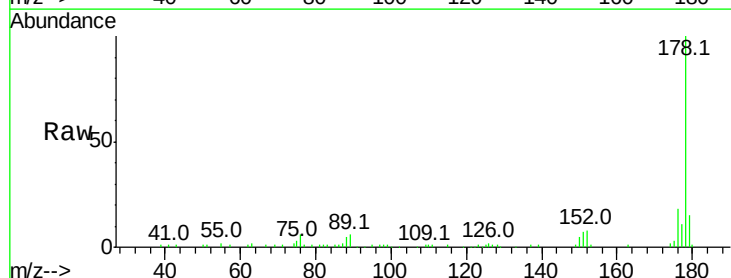


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

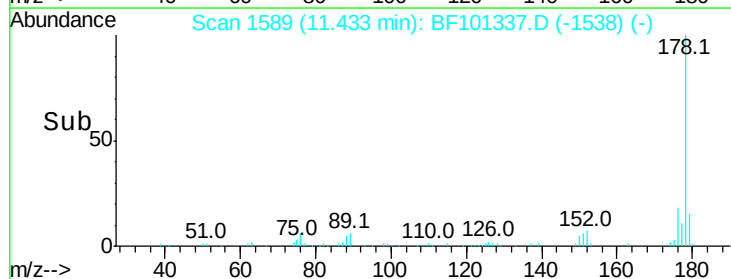
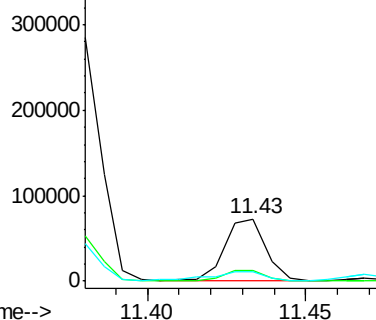


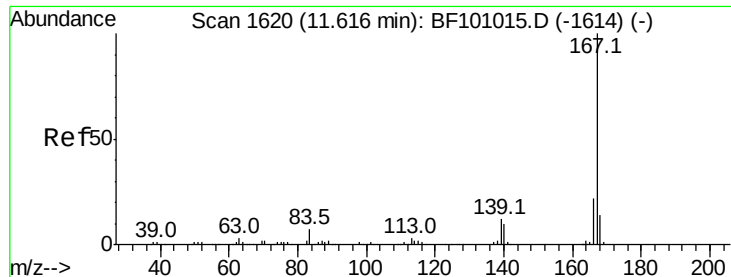
#71
Anthracene
Concen: 8.752 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF101337.D
Acq: 12 Dec 2017 18:38

Tgt Ion:178 Resp: 64891
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.2
179 15.1 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





#72

Carbazole

Concen: 3.240 ng

RT: 11.59 min Scan# 1615

Delta R.T. -0.01 min

Lab File: BF101337.D

Acq: 12 Dec 2017 18:38

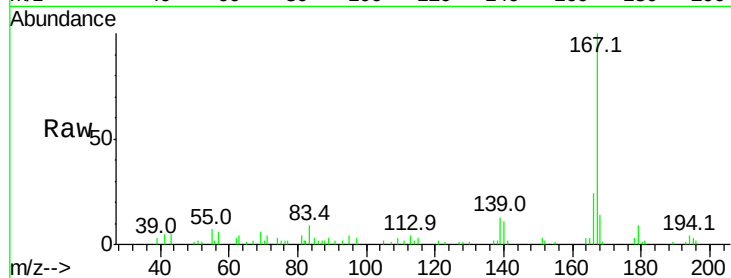
Instrument :

BNA_F

ClientSampleId :

Tot Ion:167 Resp: 21951

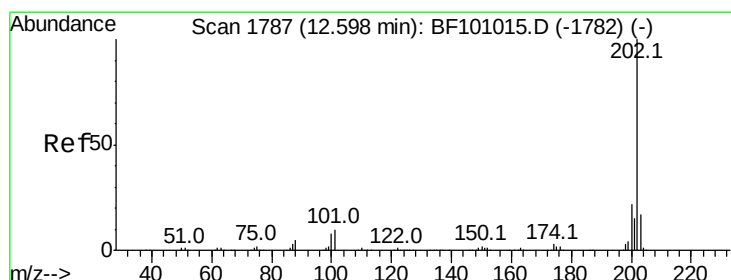
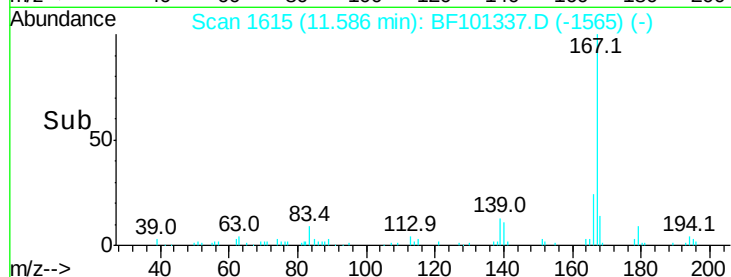
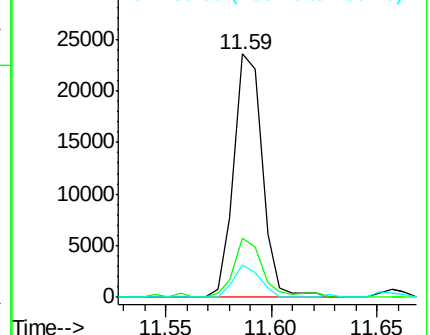
Ion	Ratio	Lower	Upper
167	100		
166	24.1	17.6	26.4
139	13.2	10.9	16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 44.290 ng

RT: 12.57 min Scan# 1783

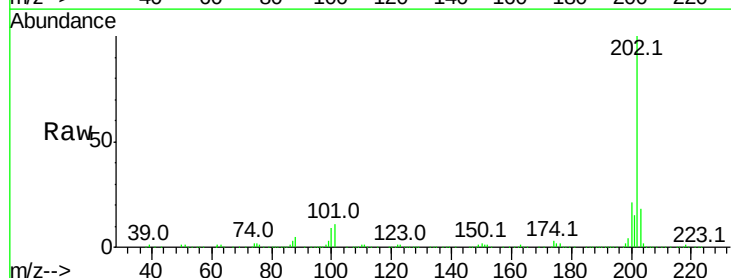
Delta R.T. 0.01 min

Lab File: BF101337.D

Acq: 12 Dec 2017 18:38

Tgt Ion:202 Resp: 359671

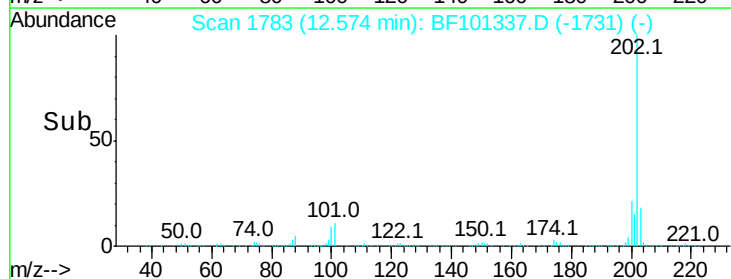
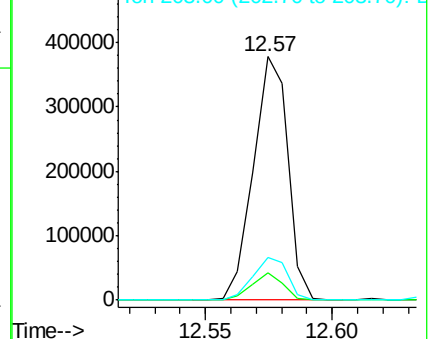
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	34.1
203	17.7	0.0	38.1

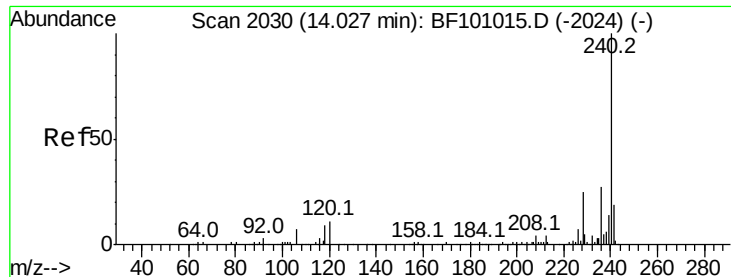


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF101337.D

Acq: 12 Dec 2017 18:38

Instrument :

BNA_F

ClientSampleId :

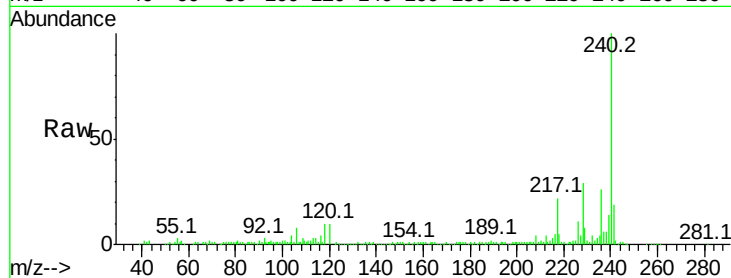
Tot Ion:240 Resp: 112415

Ion Ratio Lower Upper

240 100

120 9.7 9.5 14.3

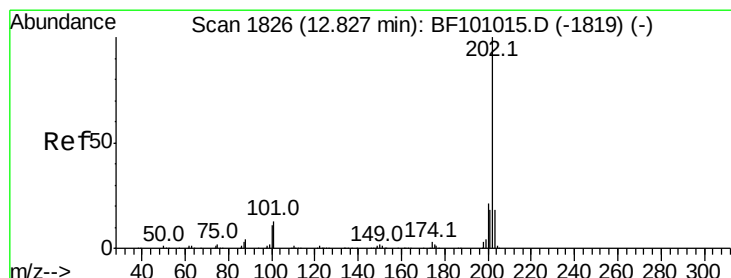
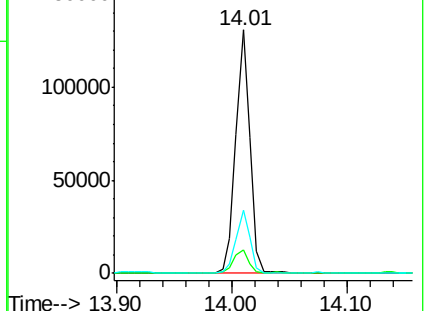
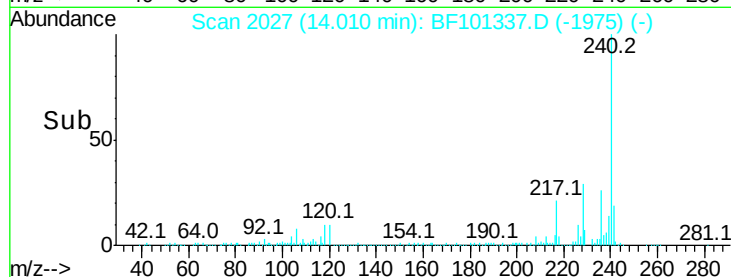
236 25.9 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 43.368 ng

RT: 12.81 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BF101337.D

Acq: 12 Dec 2017 18:38

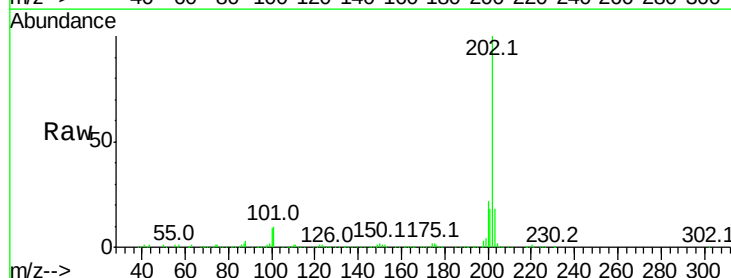
Tgt Ion:202 Resp: 336405

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

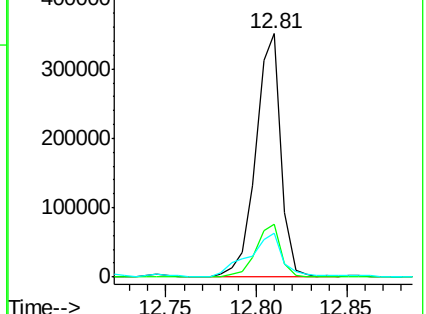
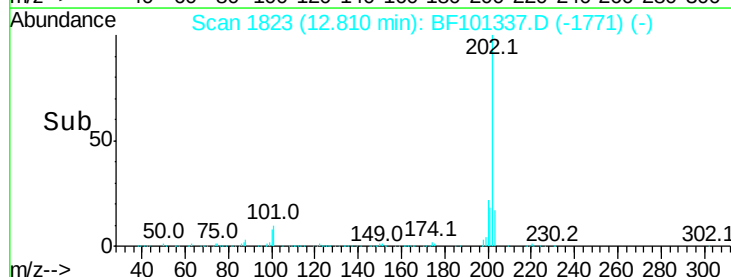
203 17.9 14.3 21.5

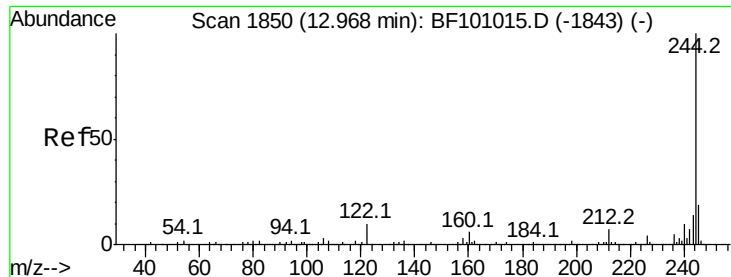


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

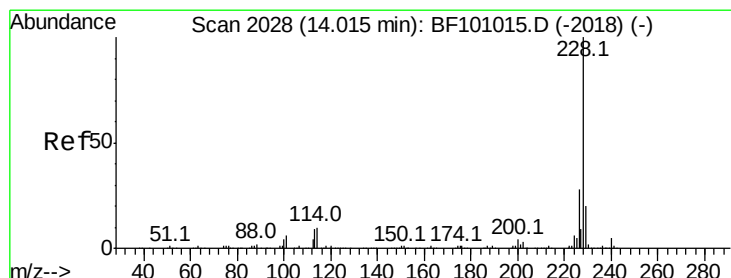
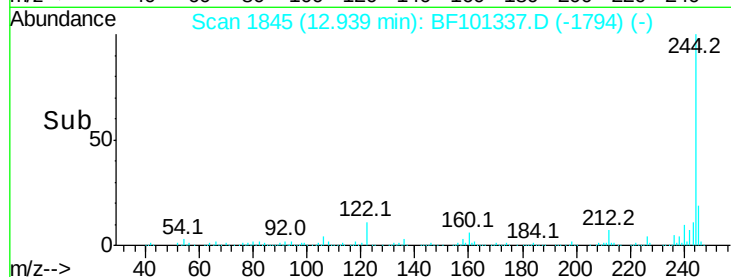
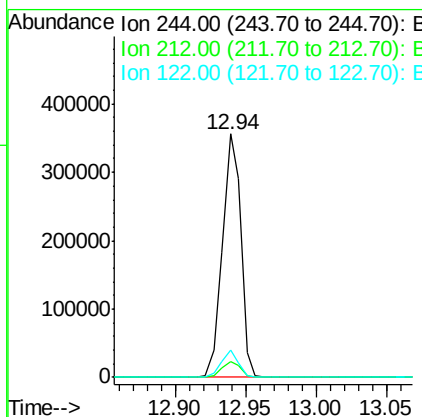
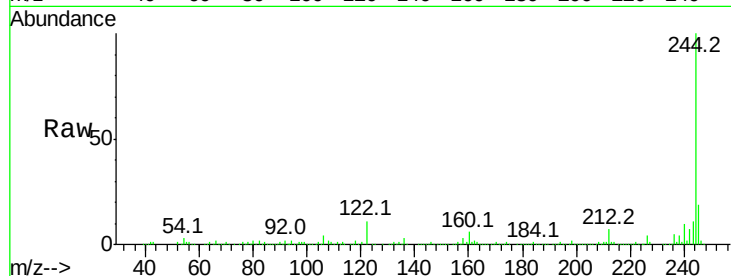




#78
 Terphenyl-d14
 Concen: 62.785 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: BF101337.D
 Acq: 12 Dec 2017 18:38

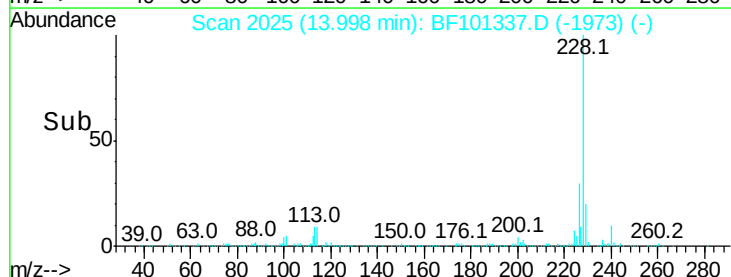
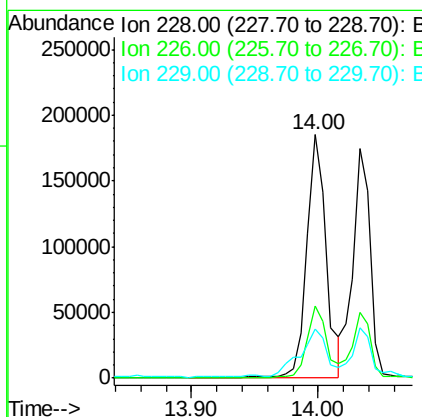
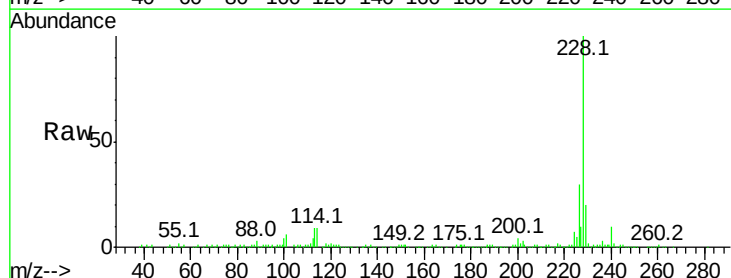
Instrument :
 BNA_F
 ClientSampled :

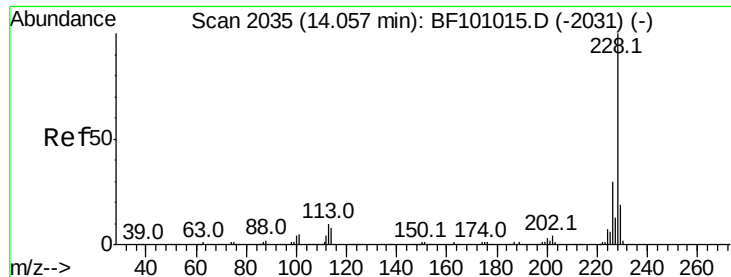
Tot Ion:244 Resp: 322687
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 11.0 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 27.954 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.01 min
 Lab File: BF101337.D
 Acq: 12 Dec 2017 18:38

Tgt Ion:228 Resp: 198412
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.6 33.8
 229 20.4 15.8 23.6





#82

Chrysene

Concen: 24.927 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.00 min

Lab File: BF101337.D

Acq: 12 Dec 2017 18:38

Instrument :

BNA_F

ClientSampled :

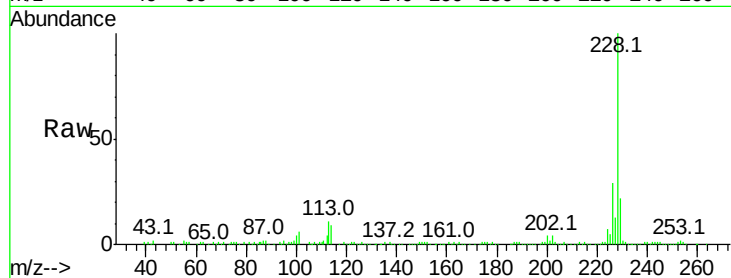
Tot Ion:228 Resp: 164310

Ion Ratio Lower Upper

228 100

226 28.6 25.0 37.6

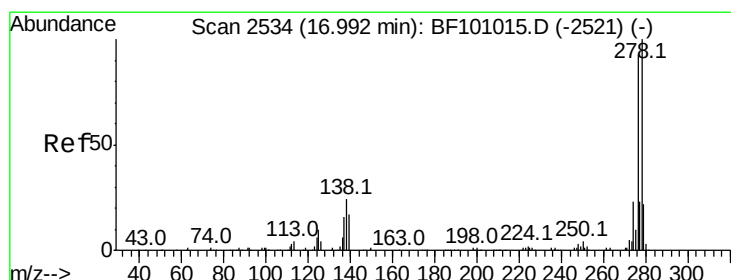
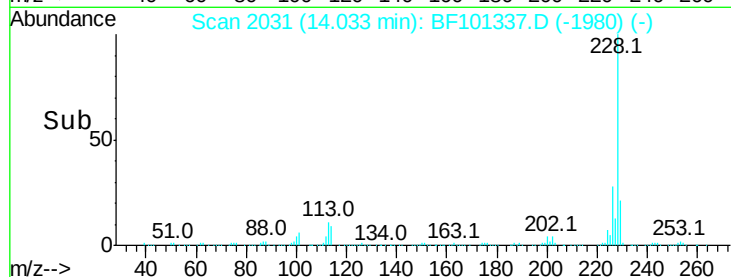
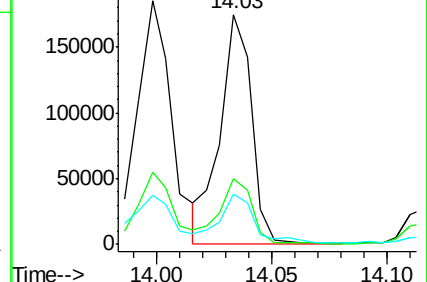
229 21.7 16.2 24.4



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: 15.550 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.04 min

Lab File: BF101337.D

Acq: 12 Dec 2017 18:38

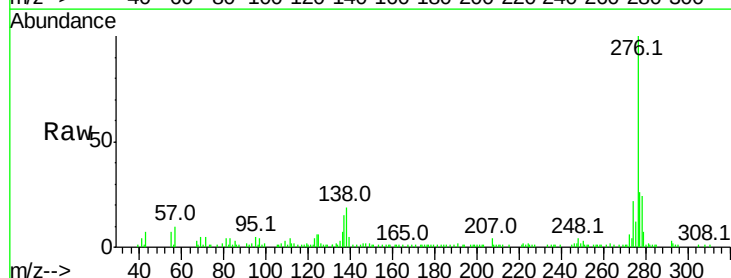
Tgt Ion:276 Resp: 91126

Ion Ratio Lower Upper

276 100

138 20.1 25.0 37.6#

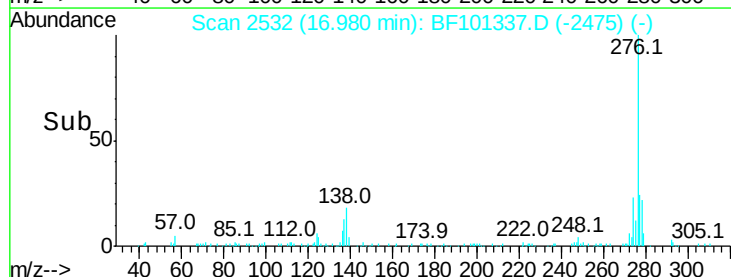
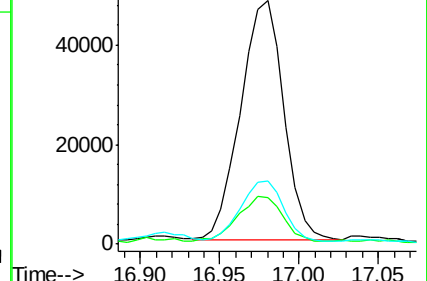
277 24.5 20.1 30.1

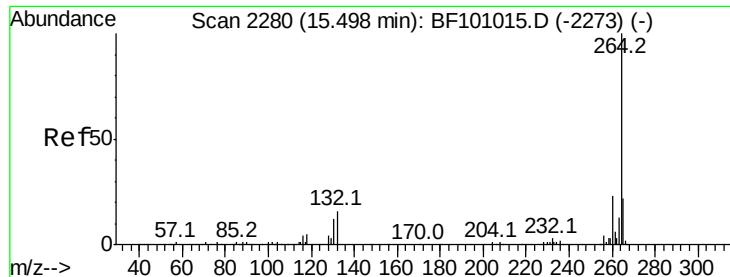


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

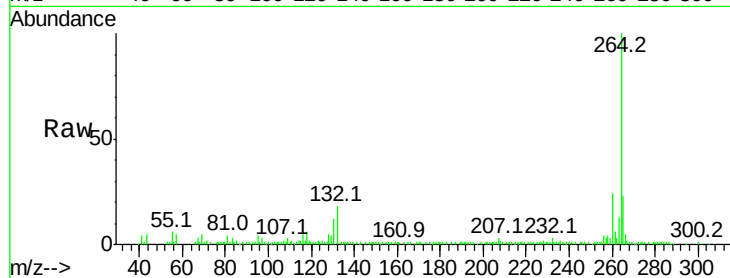




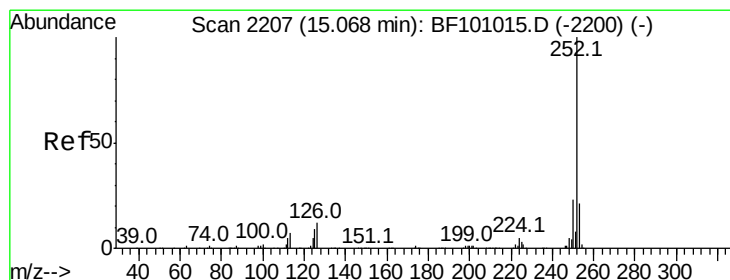
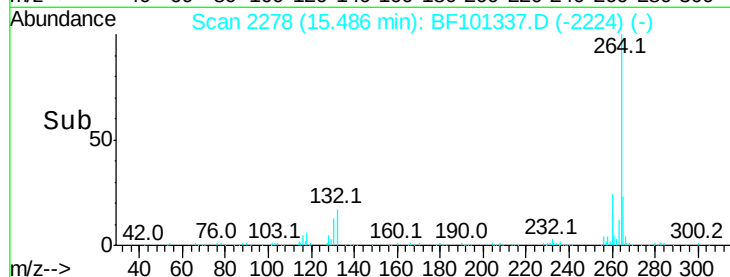
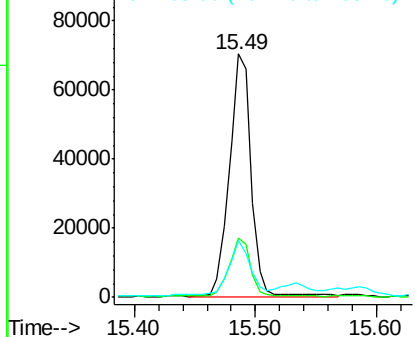
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF101337.D
Acq: 12 Dec 2017 18:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	23.2	17.5	26.3

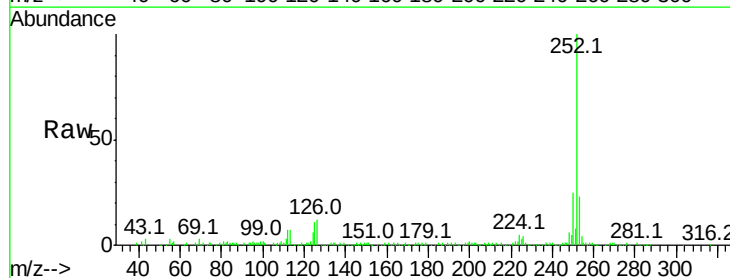


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

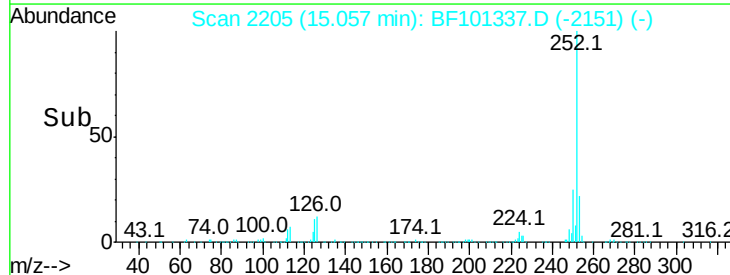
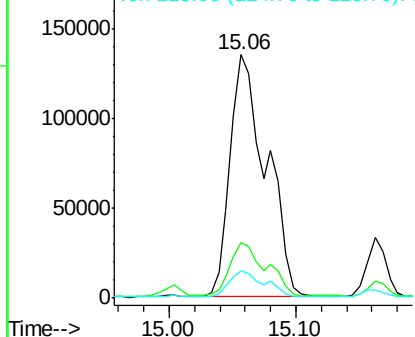


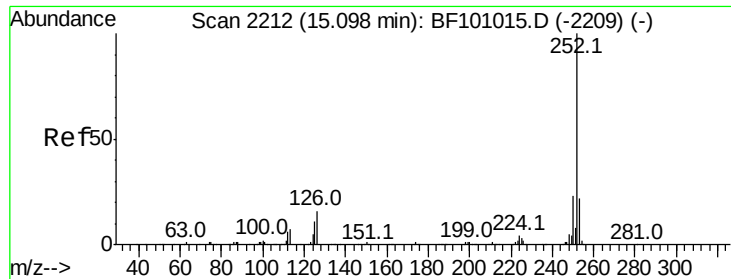
#87
Benzo(b)fluoranthene
Concen: 50.806 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BF101337.D
Acq: 12 Dec 2017 18:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	11.2	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

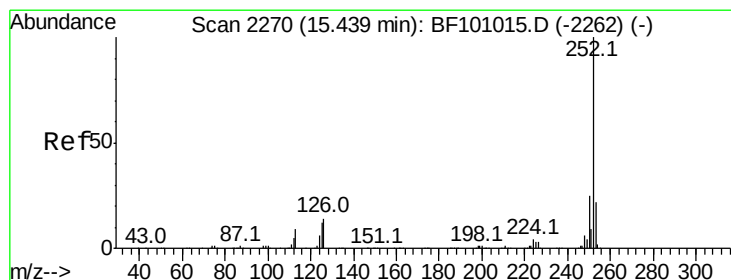
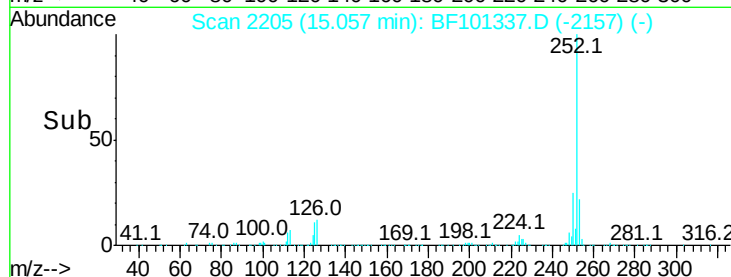
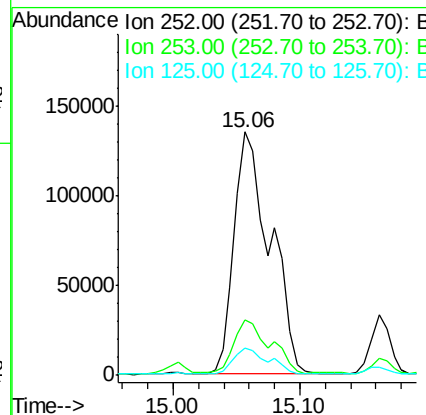
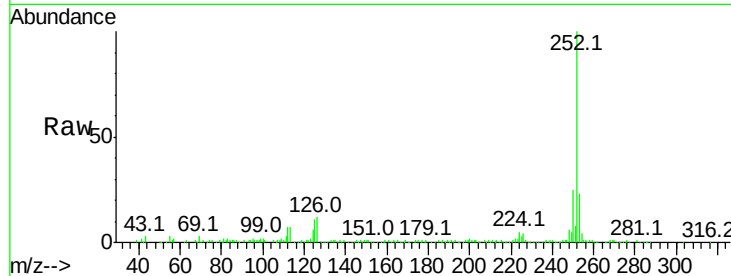




#88
Benzo(k)fluoranthene
Concen: 51.546 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF101337.D
Acq: 12 Dec 2017 18:38

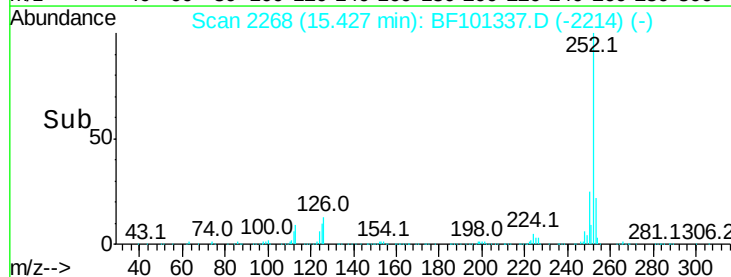
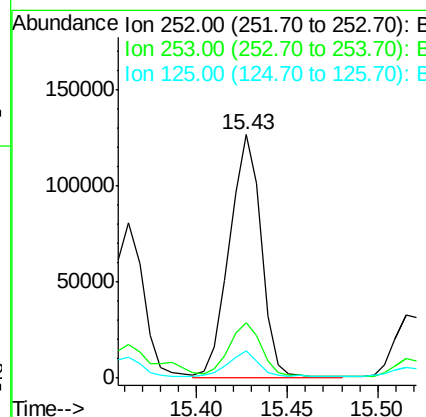
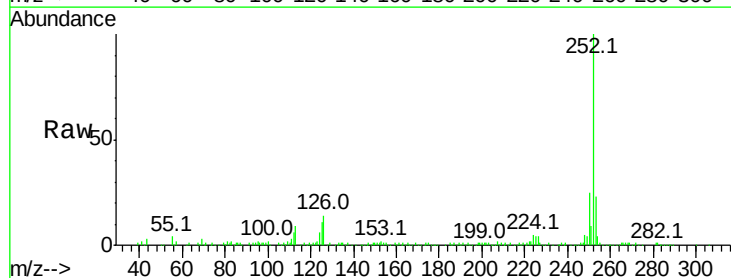
Instrument :
BNA_F
ClientSampleId :

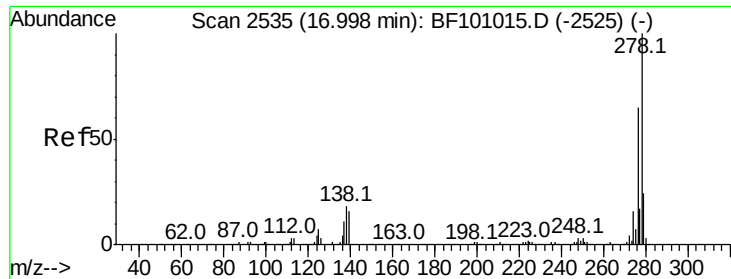
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	11.2	10.2	15.2



#89
Benzo(a)pyrene
Concen: 32.265 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.02 min
Lab File: BF101337.D
Acq: 12 Dec 2017 18:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	11.2	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 5.883 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.02 min

Lab File: BF101337.D

Acq: 12 Dec 2017 18:38

Instrument :

BNA_F

ClientSampleId :

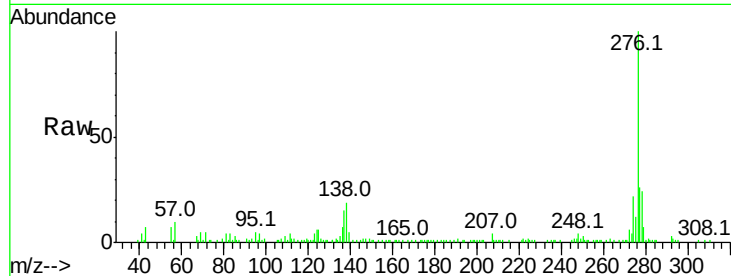
Tot Ion:278 Resp: 24729

Ion Ratio Lower Upper

278 100

139 21.3 15.9 23.9

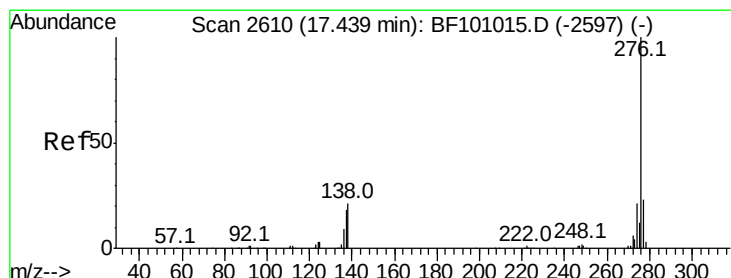
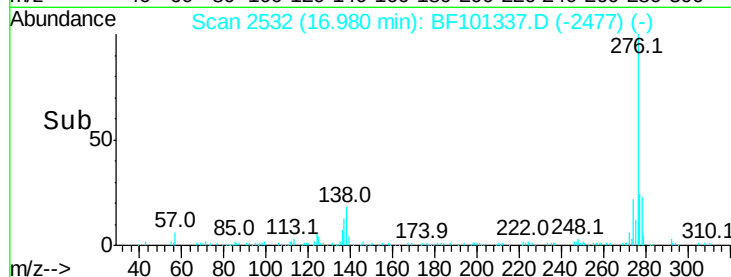
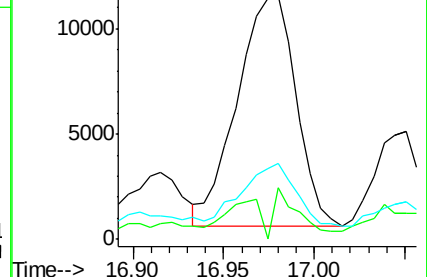
279 31.3 19.0 28.4#



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: 22.049 ng

RT: 17.43 min Scan# 2609

Delta R.T. 0.04 min

Lab File: BF101337.D

Acq: 12 Dec 2017 18:38

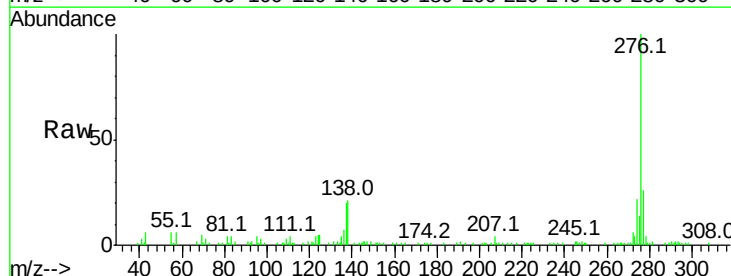
Tgt Ion:276 Resp: 87339

Ion Ratio Lower Upper

276 100

277 26.4 17.9 26.9

138 20.8 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

