

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031418\
 Data File : BF103649.D
 Acq On : 14 Mar 2018 19:06
 Operator : SJ/JU
 Sample : J1908-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 15 01:00:34 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 18:08:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	125575	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	507009	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	197042	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	285707	20.00	ng	0.00
75) Chrysene-d12	14.06	240	200826	20.00	ng	0.00
86) Perylene-d12	15.57	264	206745	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	746145	89.87	ng	0.00
7) Phenol-d6	6.50	99	935671	92.10	ng	0.00
23) Nitrobenzene-d5	7.43	82	652578	73.51	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	113600	68.11	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	850606	71.60	ng	0.00
78) Terphenyl-d14	12.98	244	503362	60.25	ng	0.00

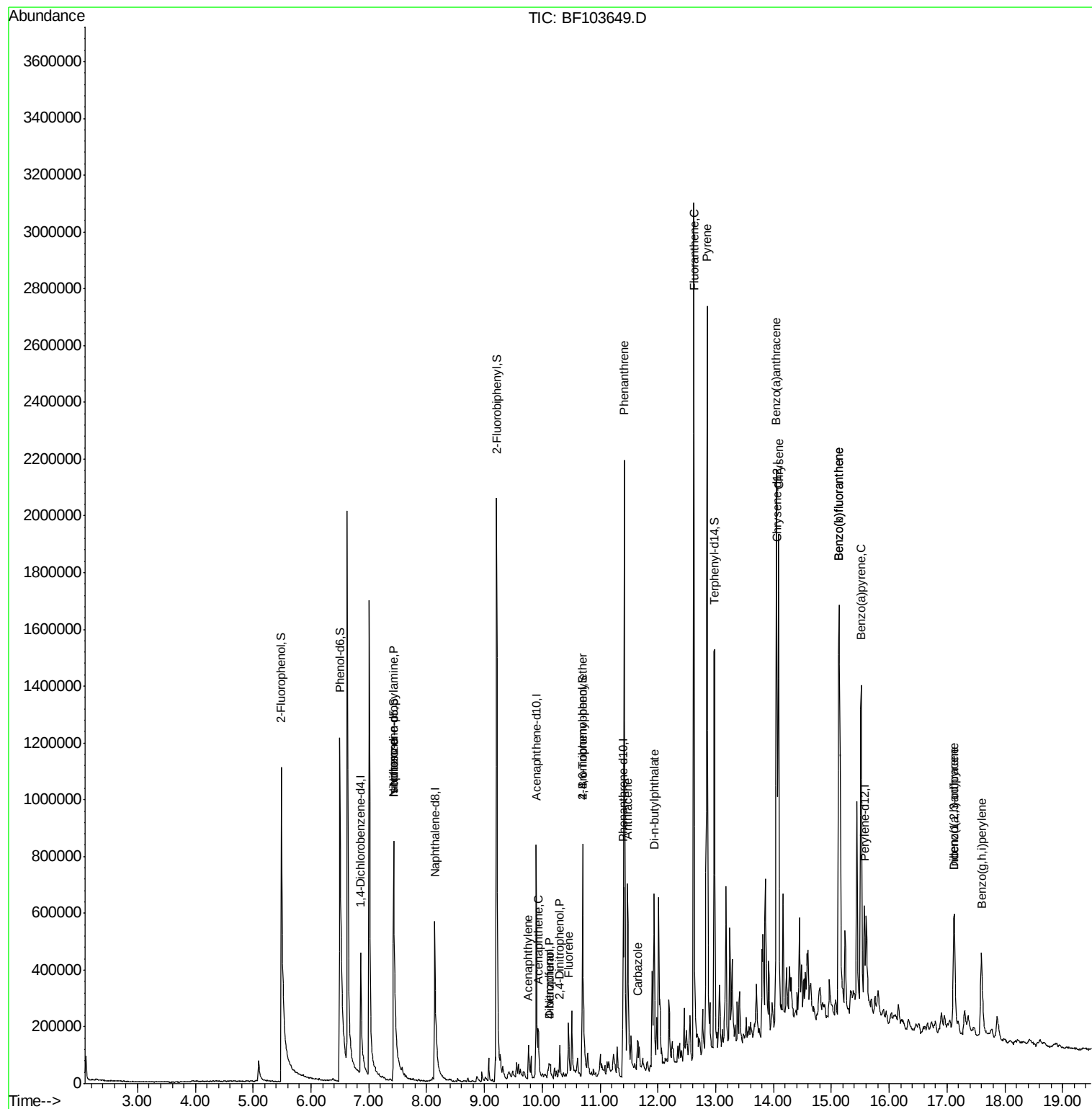
Target Compounds				Qvalue		
9) Benzaldehyde	6.50	77	1164	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.43	70	79275	12.537	ng	87
25) Isophorone	7.43	82	656343	37.537	ng	64
48) Acenaphthylene	9.76	152	72938	3.629	ng	98
51) Acenaphthene	9.93	154	42226	3.603	ng	99
53) 2,4-Dinitrophenol	10.30	184	122	9.711	ng	69
54) Dibenzofuran	10.12	168	37870	2.354	ng	91
55) 4-Nitrophenol	10.12	139	16890	6.475	ng	15
57) Fluorene	10.45	166	90186	6.581	ng	99
66) 4-Bromophenyl-phenylether	10.70	248	7986	2.683	ng	1
70) Phenanthrene	11.42	178	943257	59.991	ng	99
71) Anthracene	11.47	178	400061	24.813	ng	99
72) Carbazole	11.65	167	61864	3.853	ng	97
73) Di-n-butylphthalate	11.94	149	187641	9.340	ng	99
74) Fluoranthene	12.62	202	1596790	101.061	ng	99
77) Pyrene	12.86	202	1383024	88.329	ng	99
80) Benzo(a)anthracene	14.05	228	885350	67.945	ng	98
82) Chrysene	14.09	228	719665	56.881	ng	99
85) Indeno(1,2,3-cd)pyrene	17.13	276	347878	34.731	ng	94
87) Benzo(b)fluoranthene	15.13	252	1256348	92.424	ng	96
88) Benzo(k)fluoranthene	15.13	252	1256348	98.150	ng	97
89) Benzo(a)pyrene	15.52	252	672831	55.428	ng	98
90) Dibenzo(a,h)anthracene	17.12	278	68399	7.292	ng	79
91) Benzo(g,h,i)perylene	17.60	276	302139	32.958	ng	96

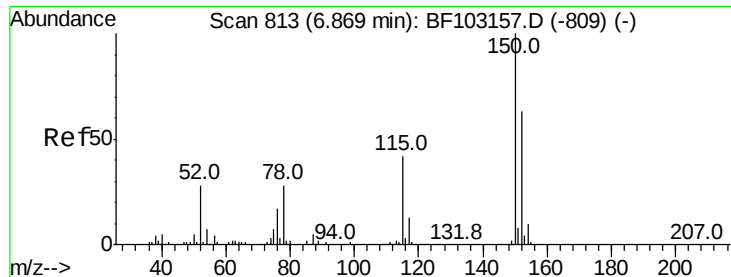
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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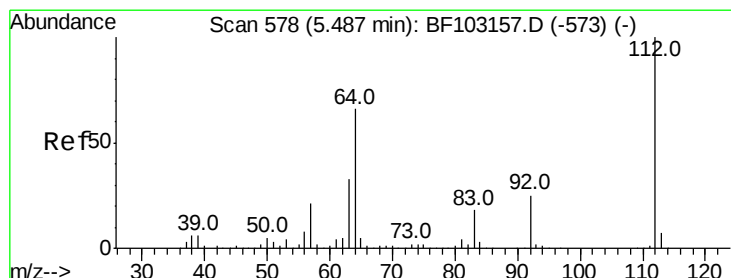
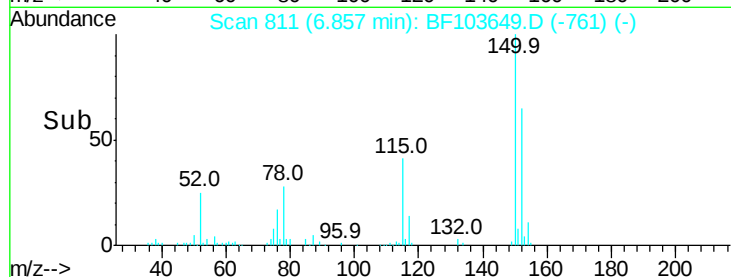
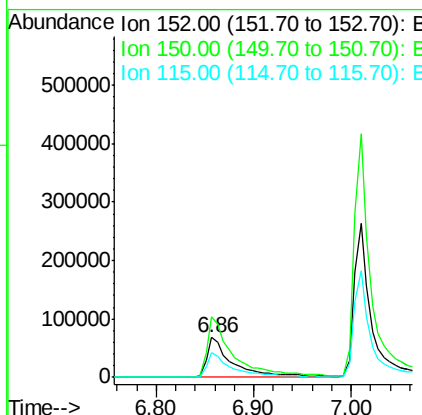
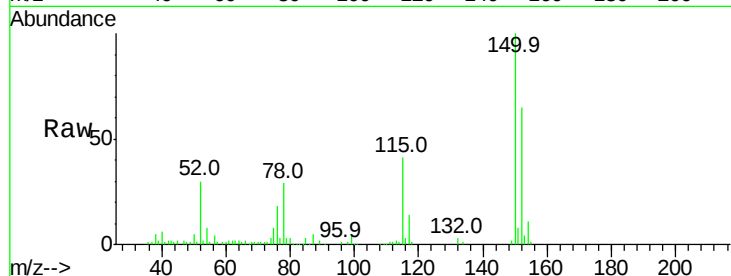


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103649.D
Acq: 14 Mar 2018 19:06

Instrument :
BNA_F
ClientSampleId :

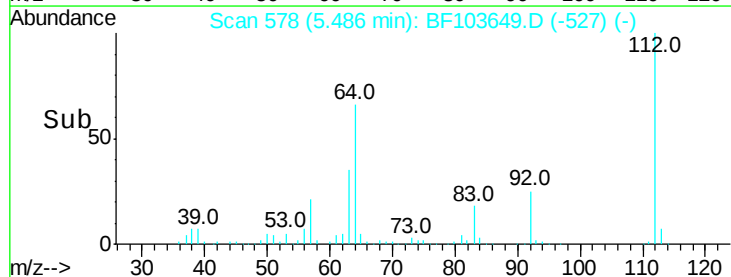
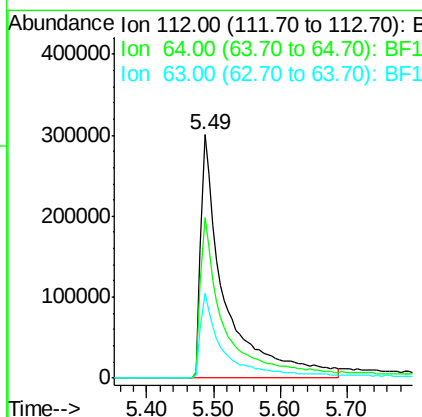
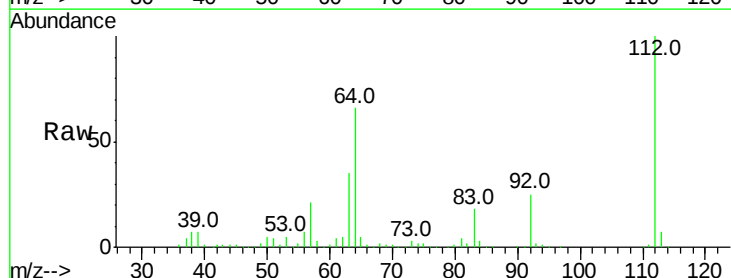
Tot Ion:152 Resp: 125575
Ion Ratio Lower Upper
152 100
150 153.3 124.6 186.8
115 63.5 50.1 75.1

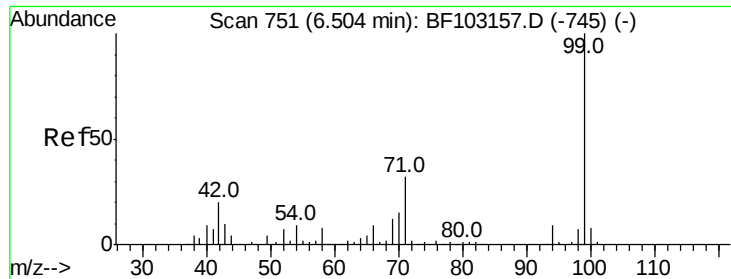


#5

2-Fluorophenol
Concen: 89.866 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.00 min
Lab File: BF103649.D
Acq: 14 Mar 2018 19:06

Tgt Ion:112 Resp: 746145
Ion Ratio Lower Upper
112 100
64 66.0 47.9 71.9
63 35.1 23.7 35.5





#7

Phenol-d6

Concen: 92.095 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

Instrument :

BNA_F

ClientSampleId :

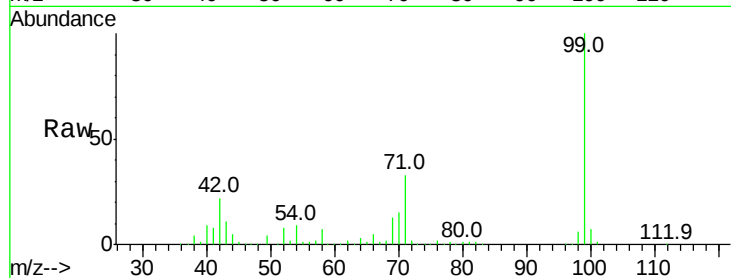
Tot Ion: 99 Resp: 935671

Ion Ratio Lower Upper

99 100

42 22.5 14.5 21.7#

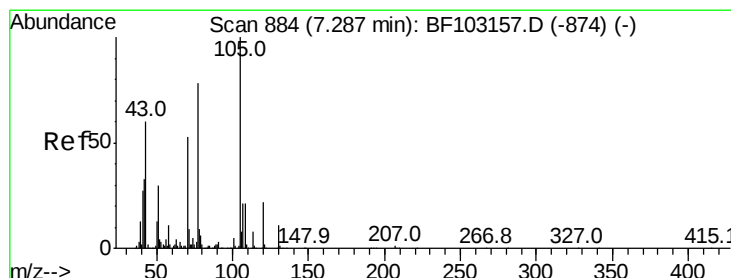
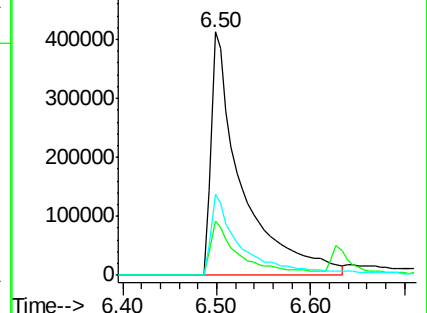
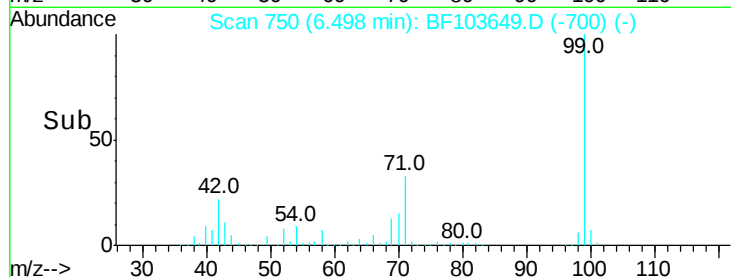
71 33.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 12.537 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.16 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

Tgt Ion: 70 Resp: 79275

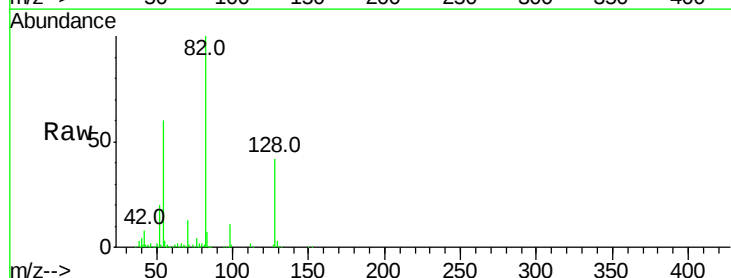
Ion Ratio Lower Upper

70 100

42 58.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

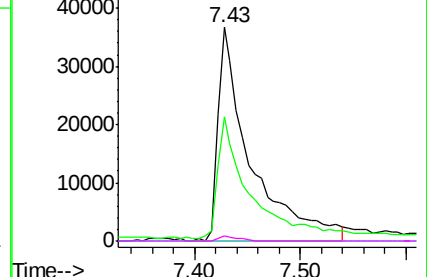
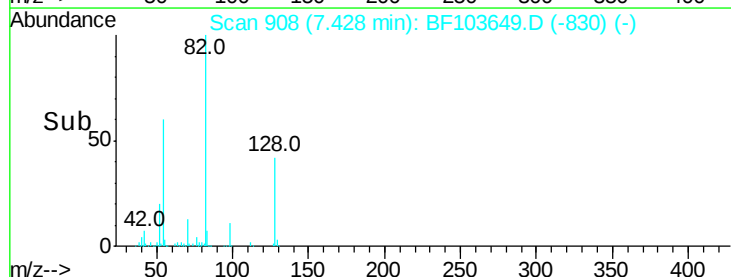


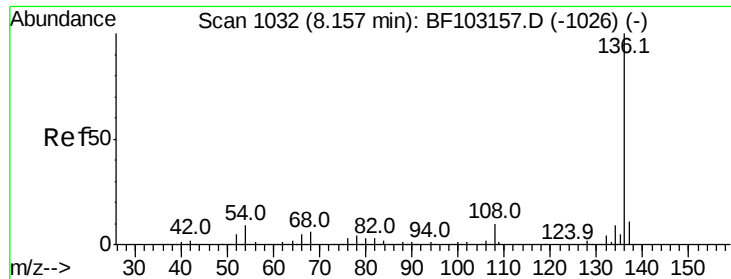
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

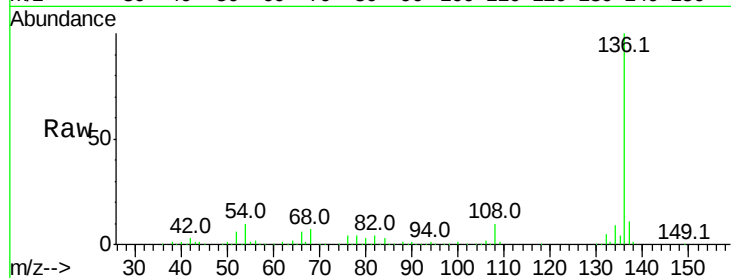




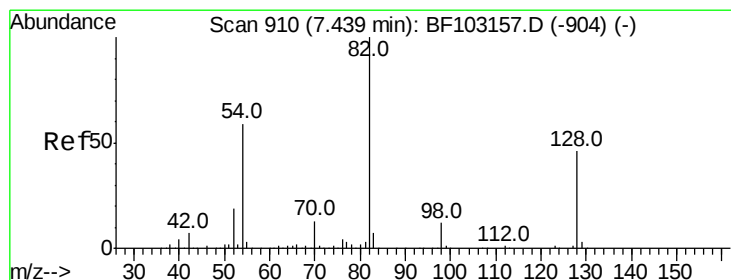
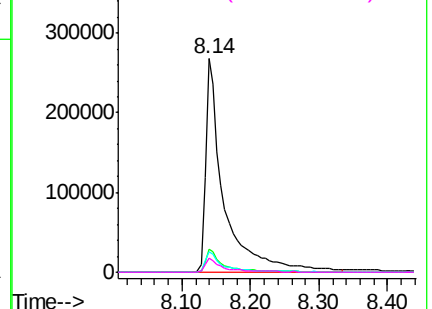
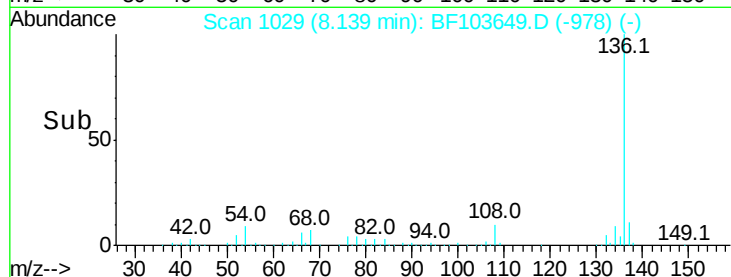
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF103649.D
Acq: 14 Mar 2018 19:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	507009
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	9.6	6.6 9.8
68	6.7	5.0 7.4

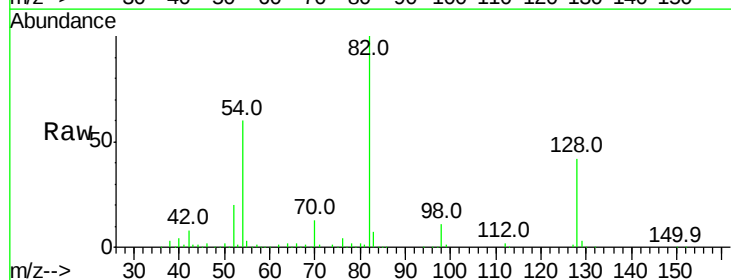


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

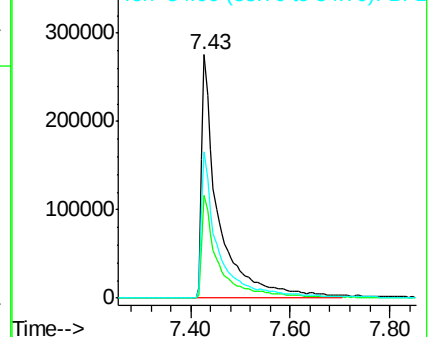
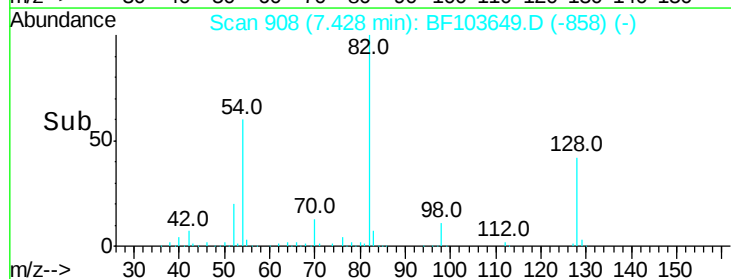


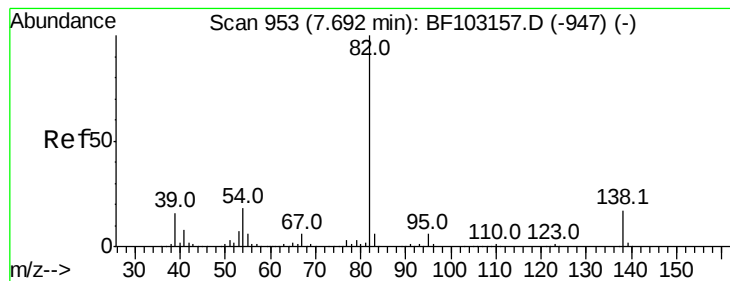
#23
Nitrobenzene-d5
Concen: 73.505 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF103649.D
Acq: 14 Mar 2018 19:06

Tgt Ion: 82	Resp:	652578
Ion Ratio	Lower	Upper
82	100	
128	42.2	36.1 54.1
54	60.2	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: 37.537 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.25 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

Instrument :

BNA_F

ClientSampleId :

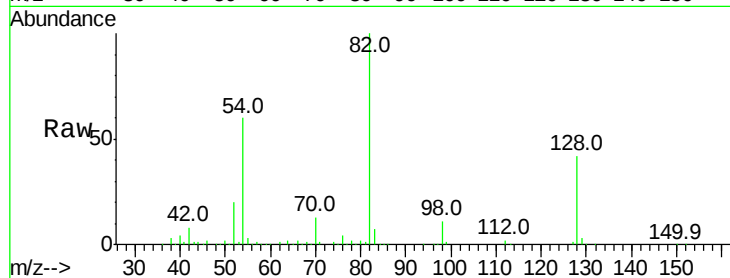
Tot Ion: 82 Resp: 656343

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

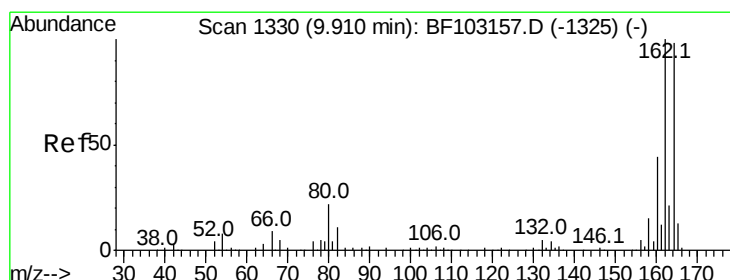
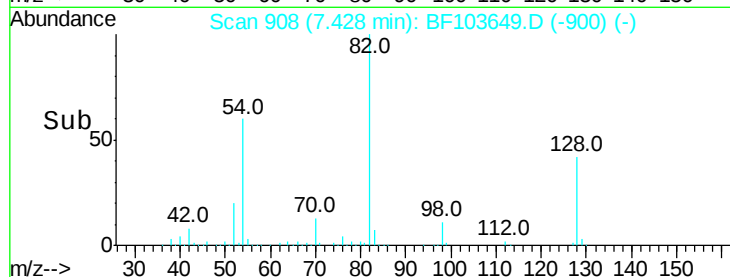
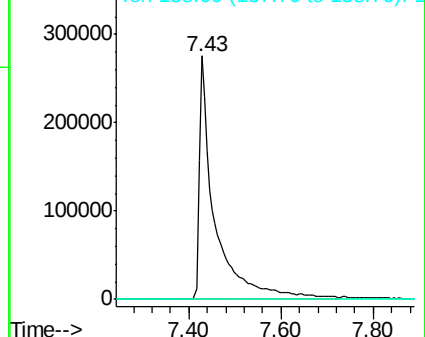
138 0.0 14.9 22.3#



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: 9.90 min Scan# 1328

Delta R.T. -0.00 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

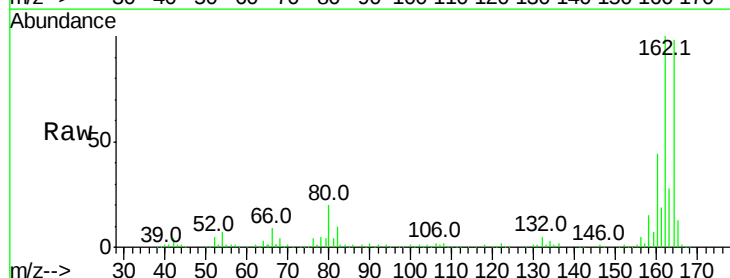
Tgt Ion:164 Resp: 197042

Ion Ratio Lower Upper

164 100

162 102.3 86.1 129.1

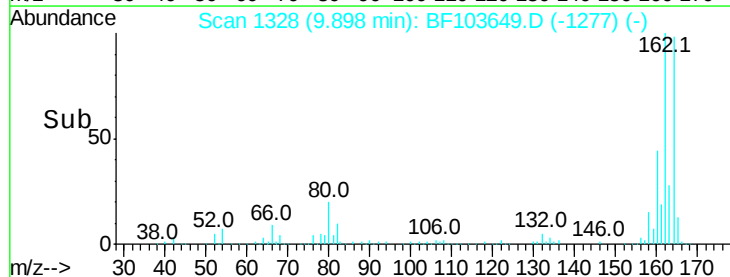
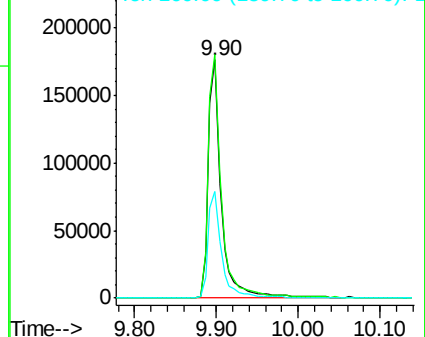
160 44.9 38.3 57.5



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

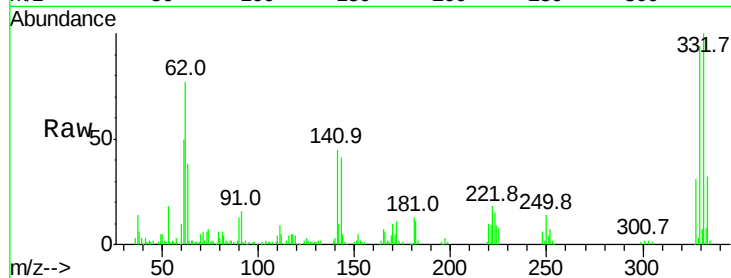




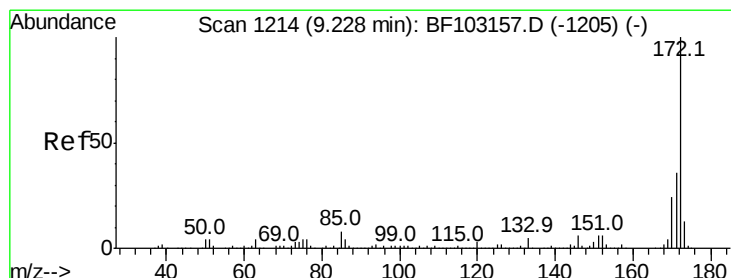
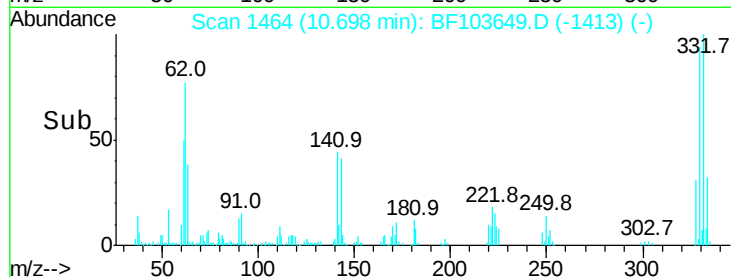
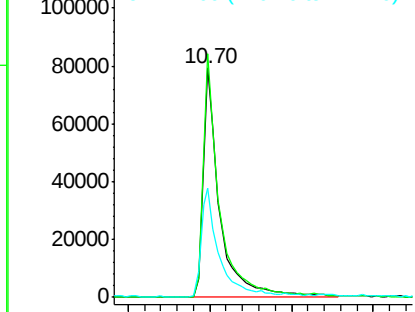
#41
 2,4,6-Tribromophenol
 Concen: 68.112 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF103649.D
 Acq: 14 Mar 2018 19:06

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 113600
 Ion Ratio Lower Upper
 330 100
 332 104.9 77.0 115.6
 141 53.9 29.9 44.9#

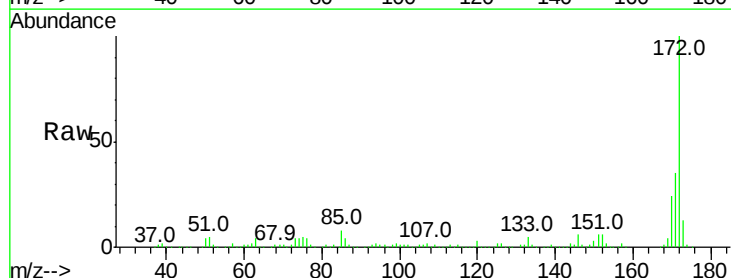


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

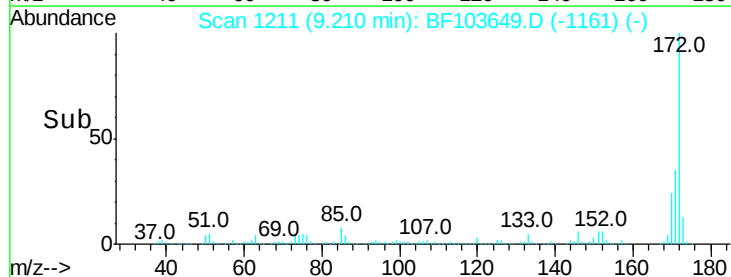
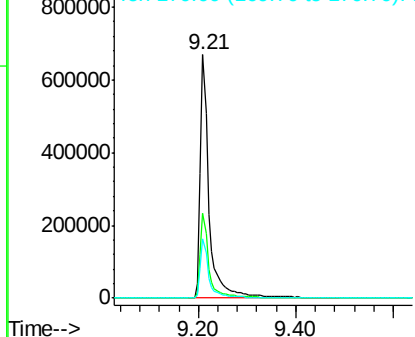


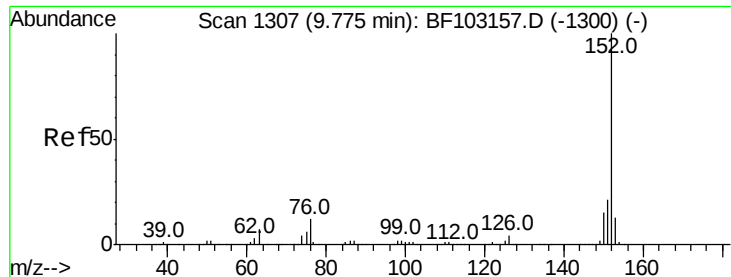
#44
 2-Fluorobiphenyl
 Concen: 71.598 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF103649.D
 Acq: 14 Mar 2018 19:06

Tgt Ion:172 Resp: 850606
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.7 44.5
 170 24.1 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





#48

Acenaphthylene

Concen: 3.629 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.00 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

Instrument :

BNA_F

ClientSampleId :

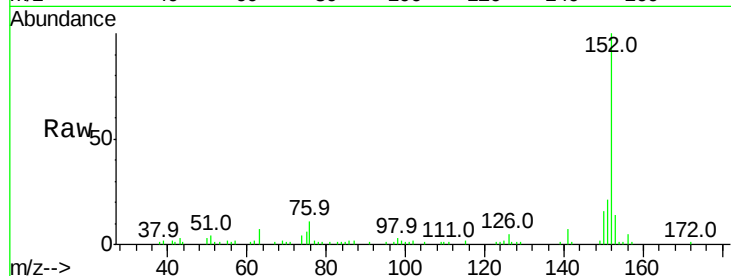
Tot Ion:152 Resp: 72938

Ion Ratio Lower Upper

152 100

151 21.5 16.3 24.5

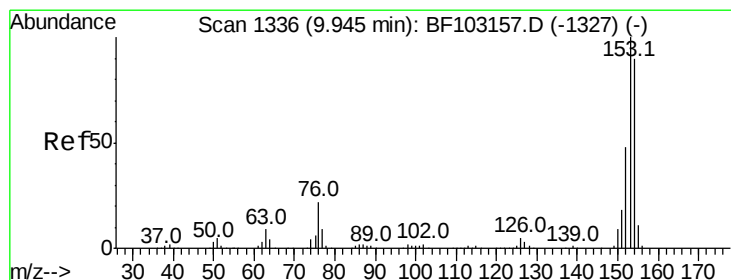
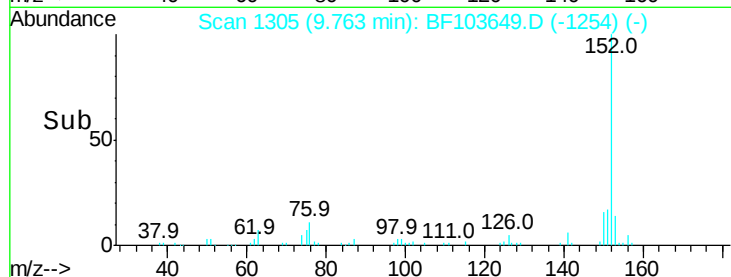
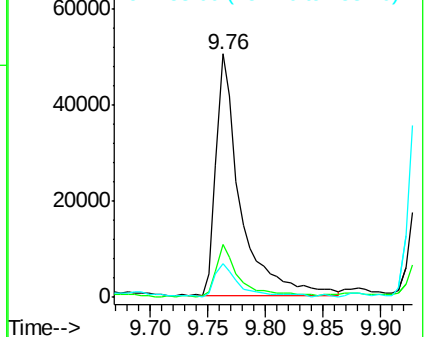
153 13.9 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#51

Acenaphthene

Concen: 3.603 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

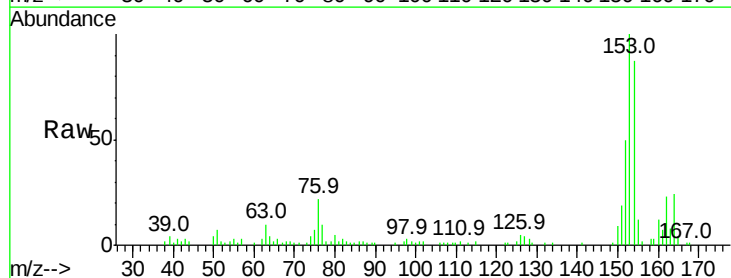
Tgt Ion:154 Resp: 42226

Ion Ratio Lower Upper

154 100

153 114.3 91.2 136.8

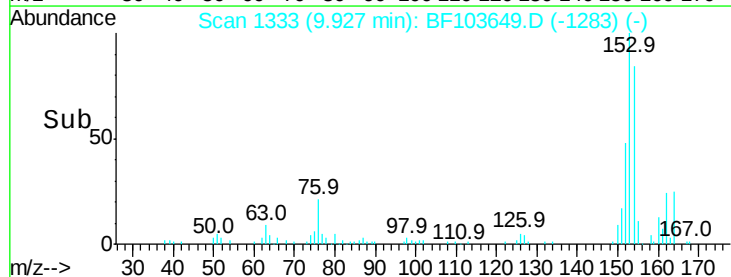
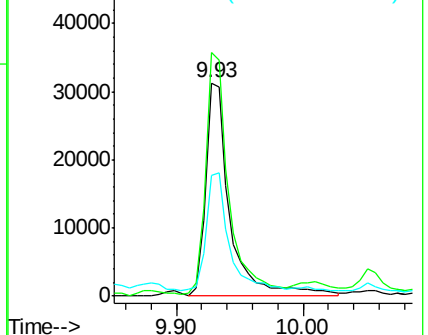
152 56.7 43.8 65.8

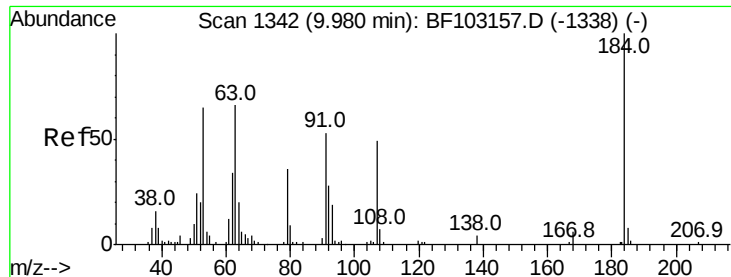


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

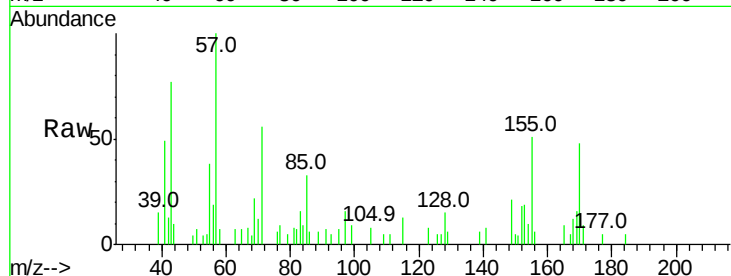




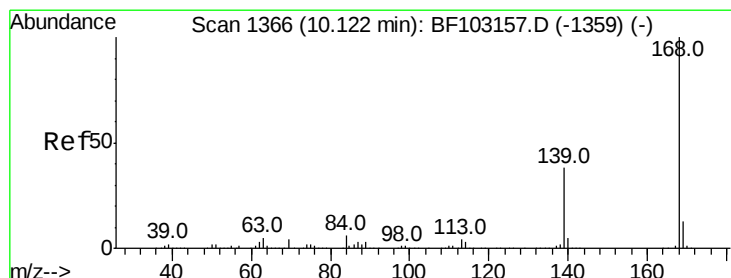
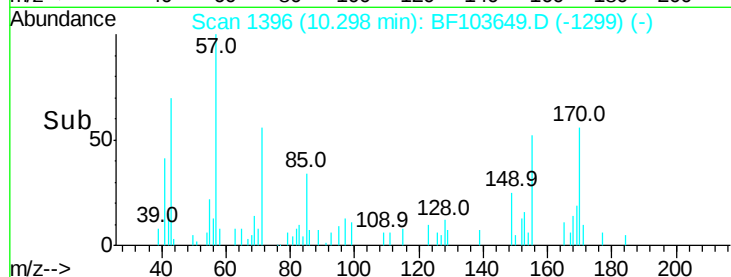
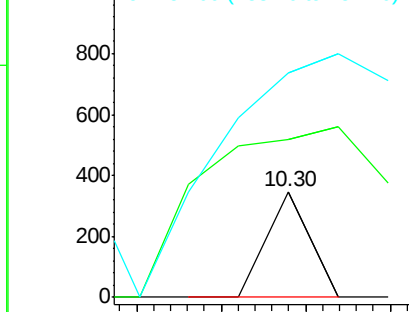
#53
2,4-Dinitrophenol
Concen: 9.711 ng
RT: 10.30 min Scan# 1396
Delta R.T. 0.27 min
Lab File: BF103649.D
Acq: 14 Mar 2018 19:06

Instrument :
BNA_F
ClientSampled :

Tot Ion:184 Resp: 122
Ion Ratio Lower Upper
184 100
63 149.7 54.2 81.2#
154 212.4 184.0 276.0

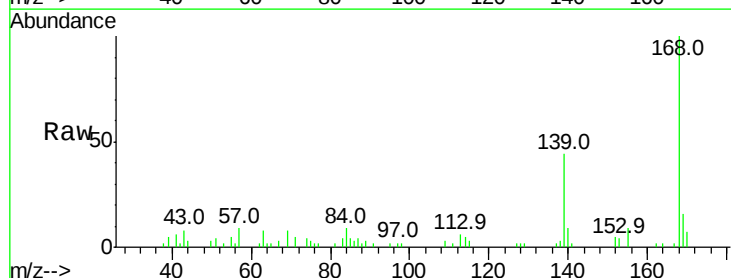


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

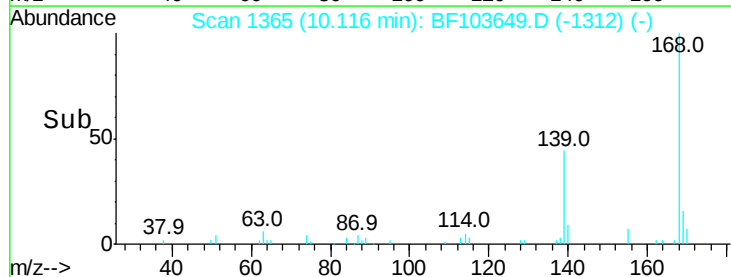
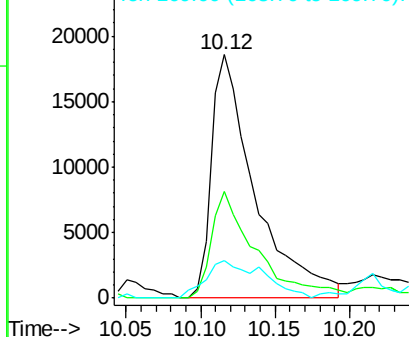


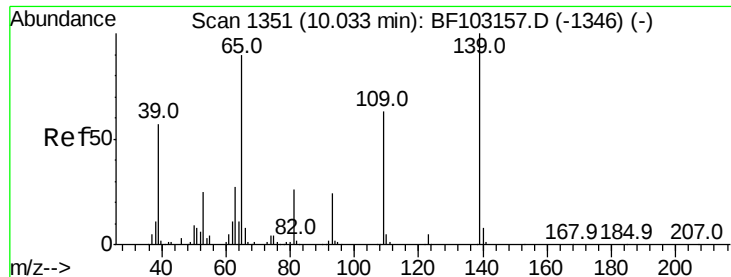
#54
Dibenzofuran
Concen: 2.354 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.01 min
Lab File: BF103649.D
Acq: 14 Mar 2018 19:06

Tgt Ion:168 Resp: 37870
Ion Ratio Lower Upper
168 100
139 44.0 30.1 45.1
169 15.6 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

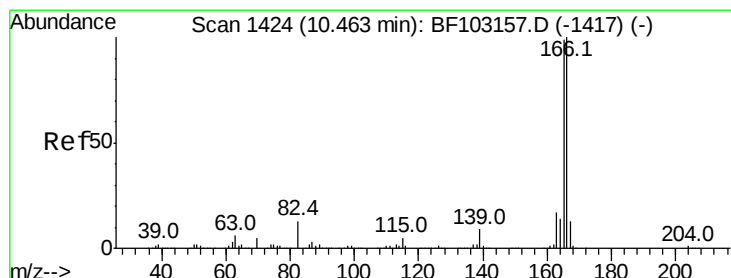
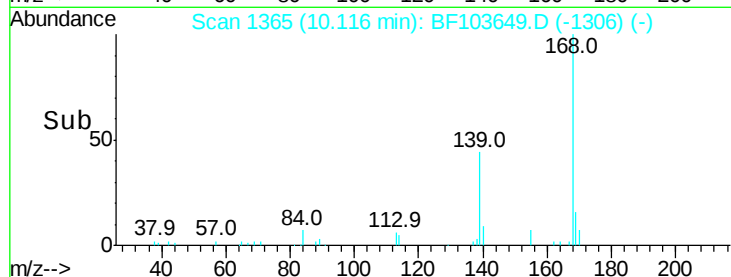
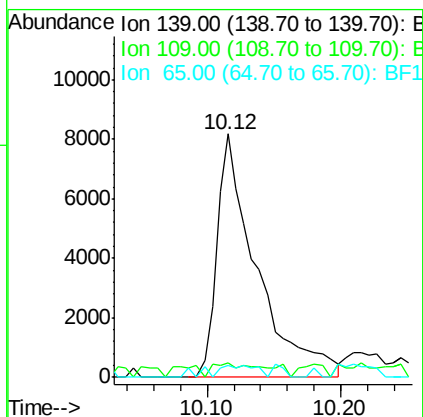
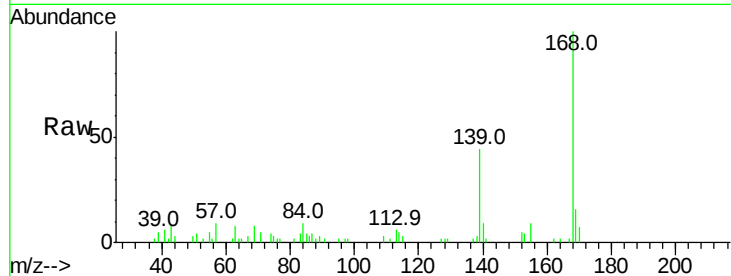




#55
4-Nitrophenol
Concen: 6.475 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.05 min
Lab File: BF103649.D
Acq: 14 Mar 2018 19:06

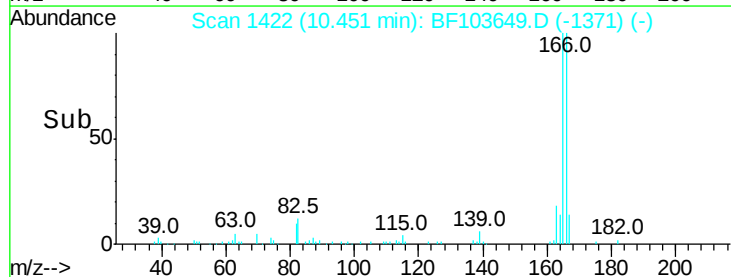
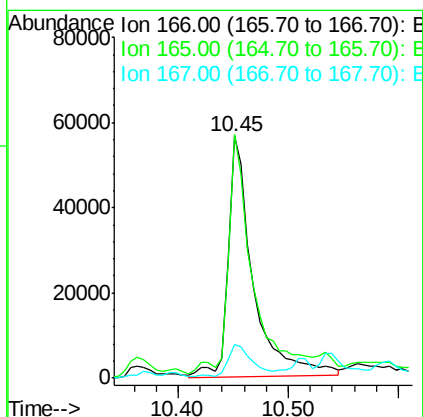
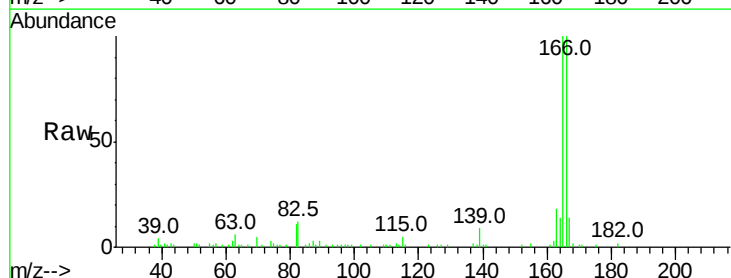
Instrument :
BNA_F
ClientSampleId :

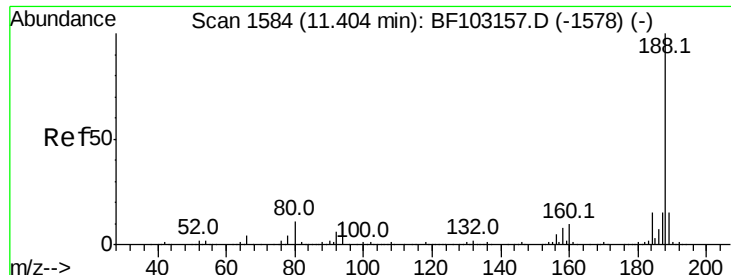
Tot Ion:139 Resp: 16890
Ion Ratio Lower Upper
139 100
109 6.1 48.4 88.4#
65 5.0 72.6 112.6#



#57
Fluorene
Concen: 6.581 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.00 min
Lab File: BF103649.D
Acq: 14 Mar 2018 19:06

Tgt Ion:166 Resp: 90186
Ion Ratio Lower Upper
166 100
165 100.5 79.8 119.8
167 13.9 10.6 16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

Instrument :

BNA_F

ClientSampleId :

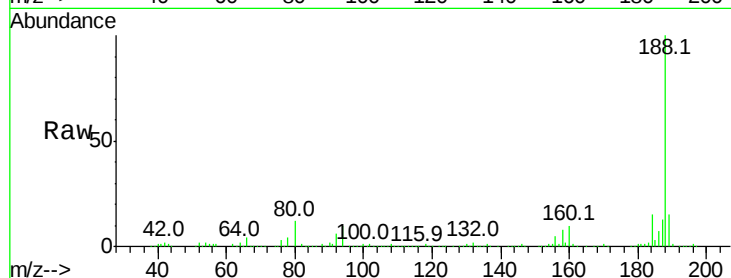
Tot Ion:188 Resp: 285707

Ion Ratio Lower Upper

188 100

94 10.4 8.5 12.7

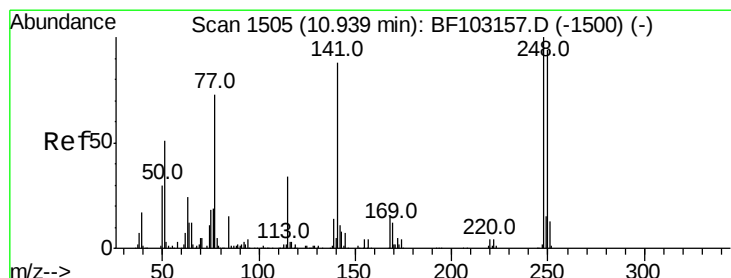
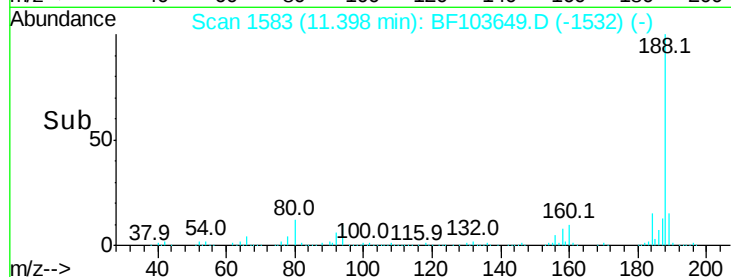
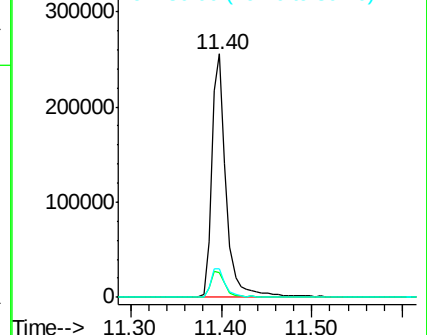
80 11.6 9.2 13.8



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: 2.683 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.23 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

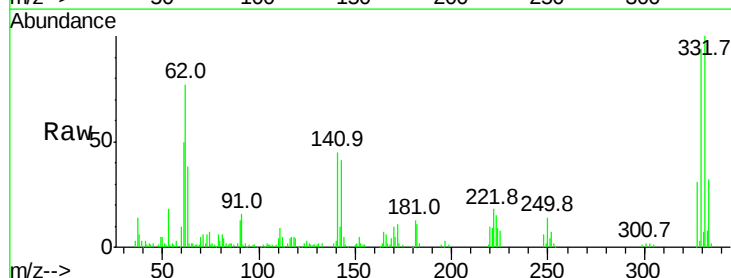
Tgt Ion:248 Resp: 7986

Ion Ratio Lower Upper

248 100

250 222.1 76.9 115.3#

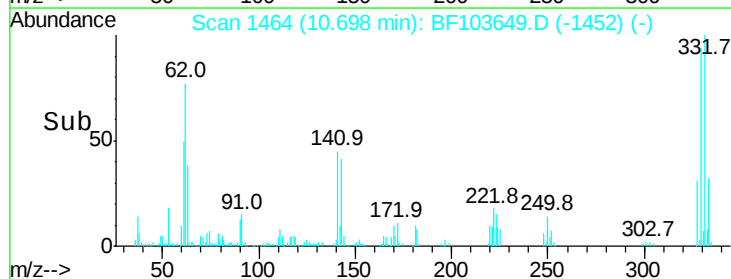
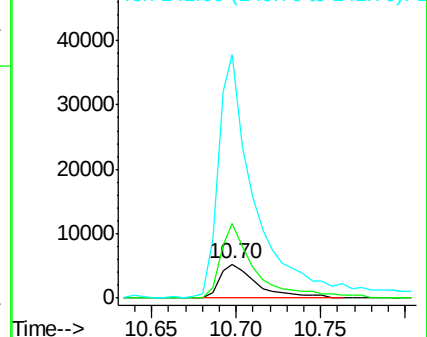
141 721.5 74.4 111.6#

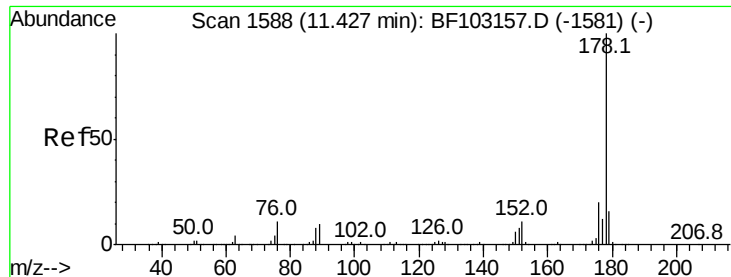


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 59.991 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.00 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

Instrument :

BNA_F

ClientSampleId :

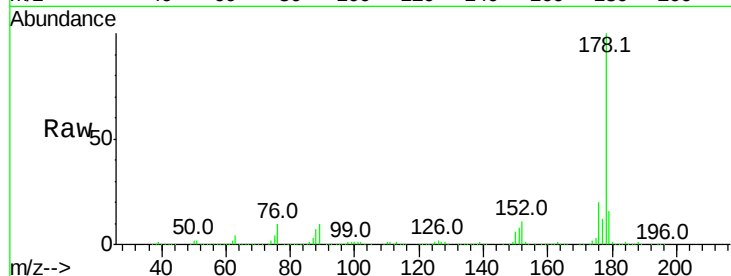
Tot Ion:178 Resp: 943257

Ion Ratio Lower Upper

178 100

176 20.4 15.8 23.8

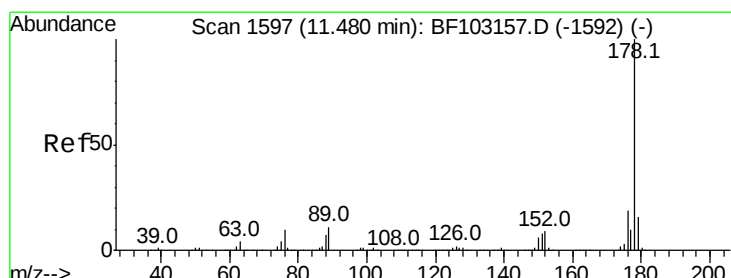
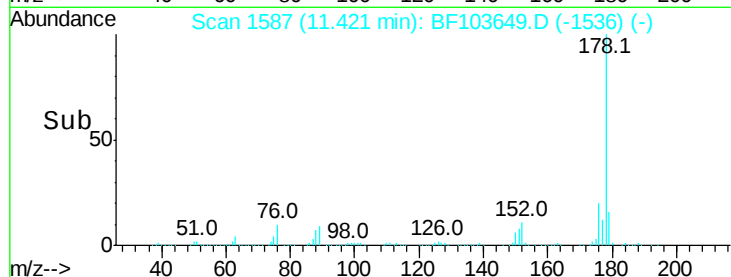
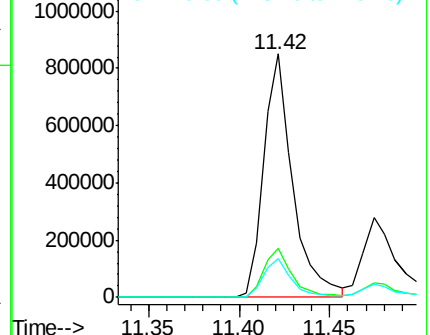
179 15.8 13.0 19.6



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: 24.813 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.00 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

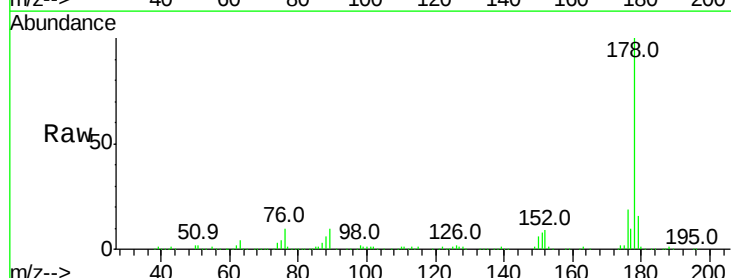
Tgt Ion:178 Resp: 400061

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

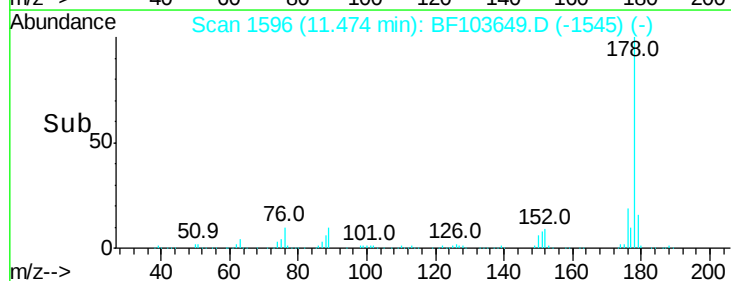
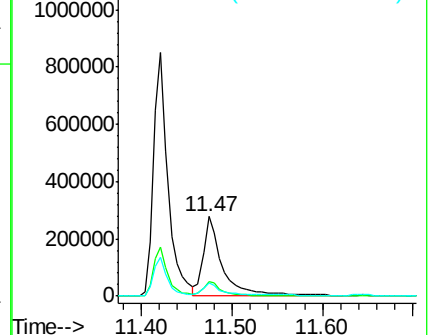
179 16.0 12.6 19.0

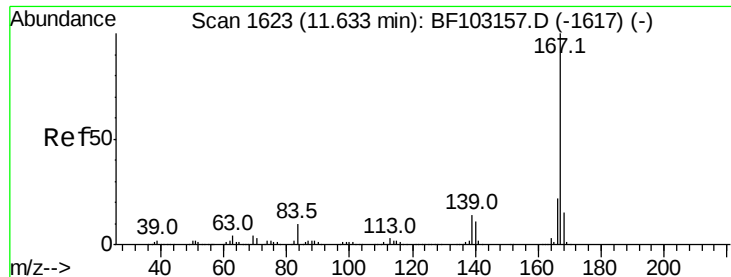


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 3.853 ng

RT: 11.65 min Scan# 1626

Delta R.T. 0.01 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

Instrument :

BNA_F

ClientSampleId :

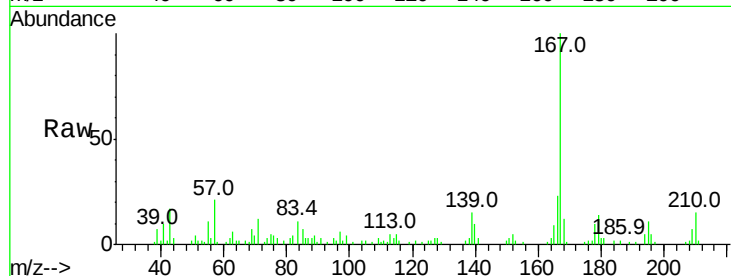
Tot Ion:167 Resp: 61864

Ion Ratio Lower Upper

167 100

166 23.1 17.6 26.4

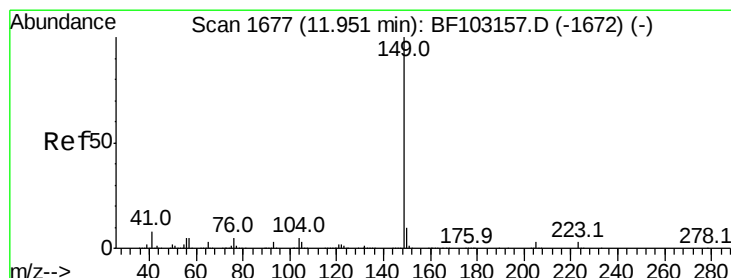
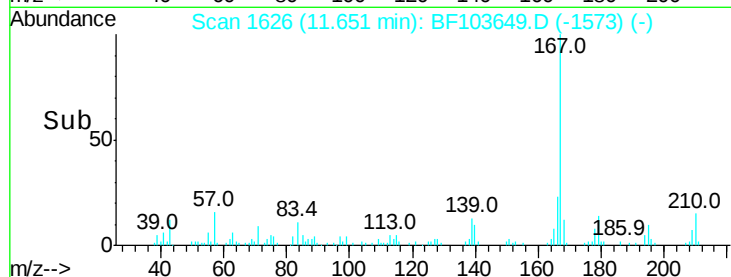
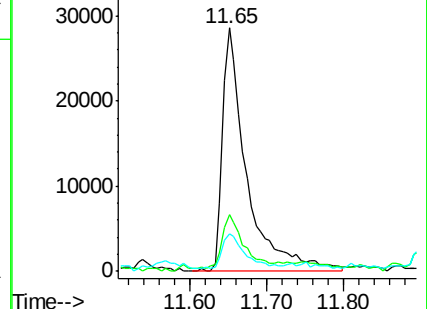
139 15.2 10.9 16.3



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



#73

Di-n-butylphthalate

Concen: 9.340 ng

RT: 11.94 min Scan# 1675

Delta R.T. -0.00 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

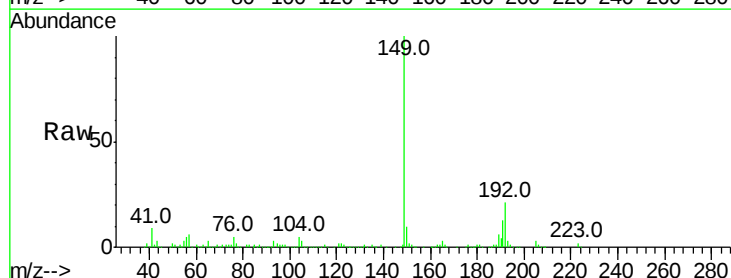
Tgt Ion:149 Resp: 187641

Ion Ratio Lower Upper

149 100

150 9.9 7.8 11.6

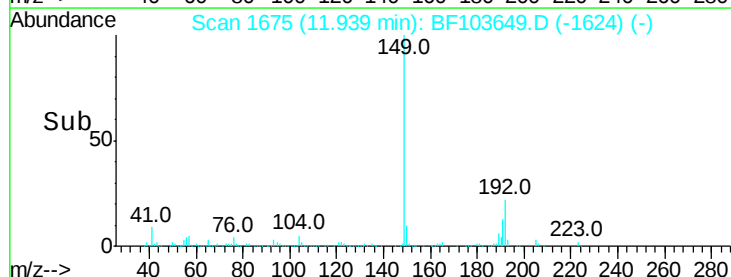
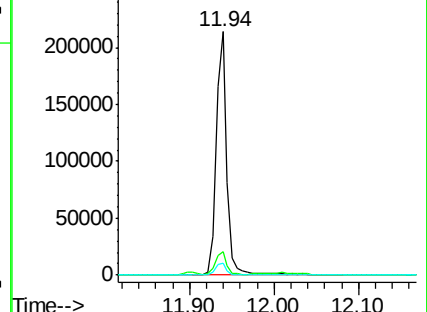
104 5.0 3.8 5.8

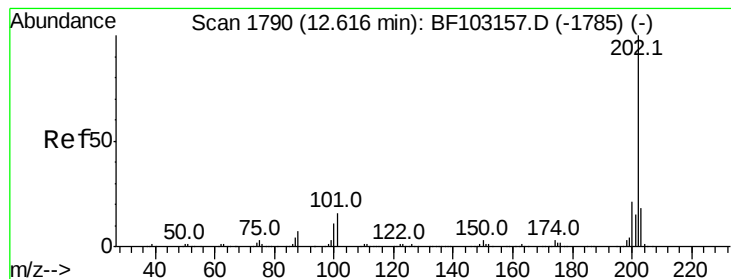


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 101.061 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.01 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

Instrument :

BNA_F

ClientSampleId :

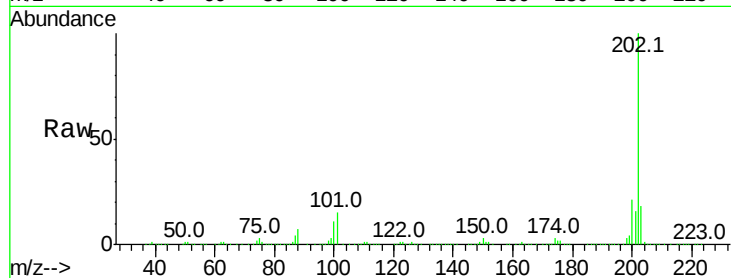
Tot Ion:202 Resp: 1596790

Ion Ratio Lower Upper

202 100

101 15.2 0.0 34.1

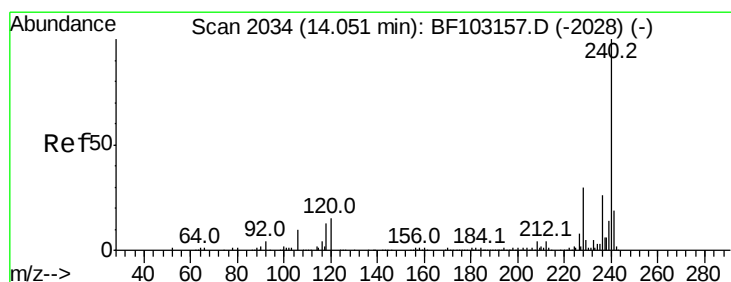
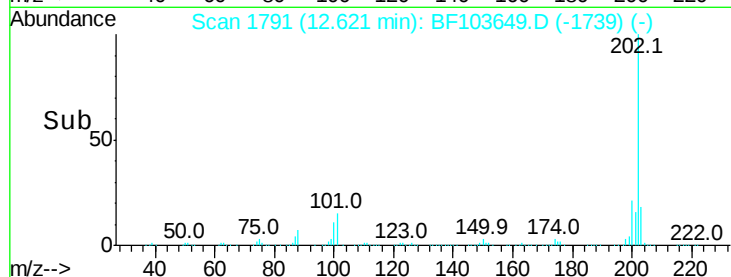
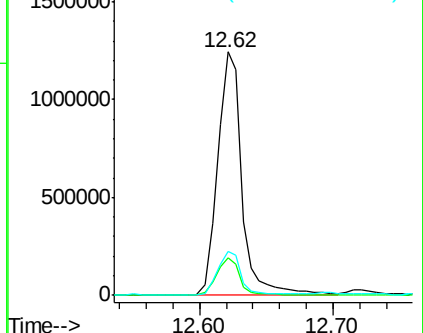
203 17.9 0.0 38.1



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: BF103649.D

Acq: 14 Mar 2018 19:06

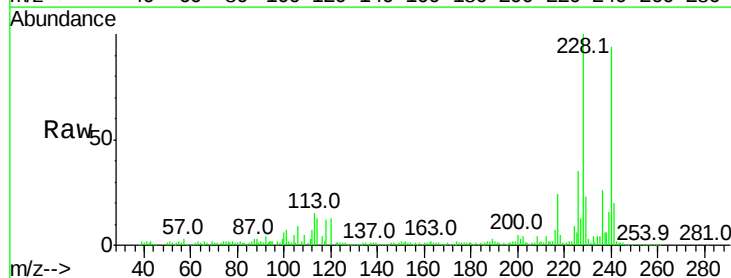
Tgt Ion:240 Resp: 200826

Ion Ratio Lower Upper

240 100

120 14.0 9.5 14.3

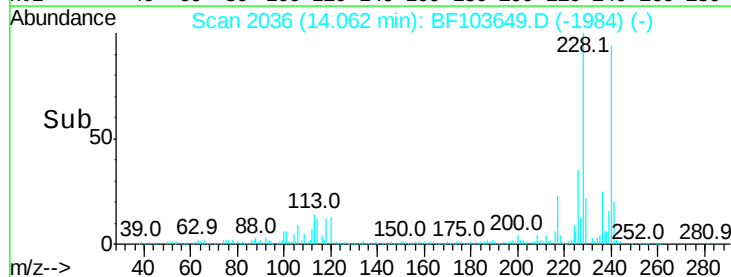
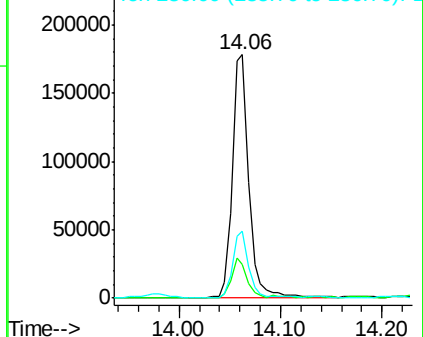
236 27.4 20.7 31.1

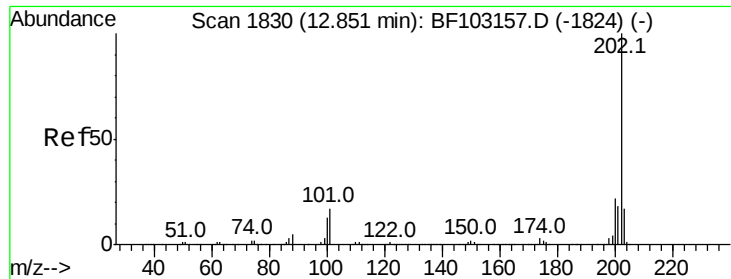


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 88.329 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

Instrument :

BNA_F

ClientSampled :

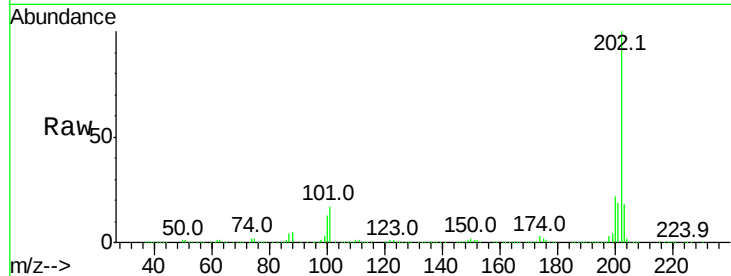
Tot Ion:202 Resp: 1383024

Ion Ratio Lower Upper

202 100

200 22.4 17.4 26.2

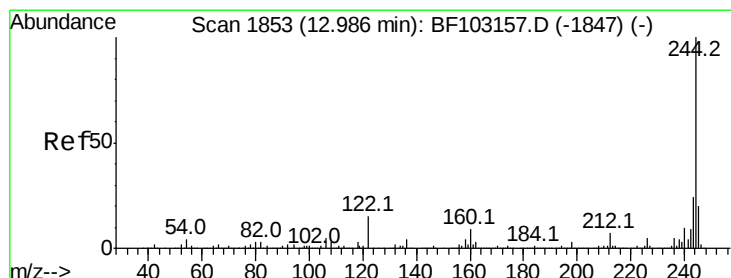
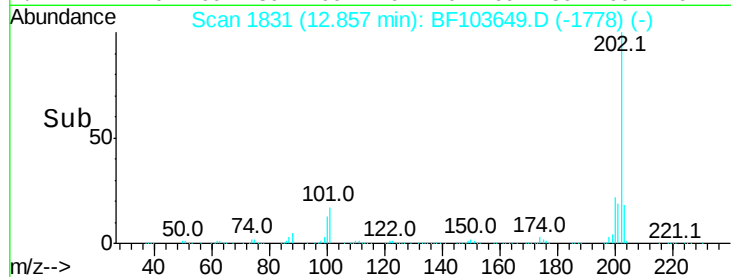
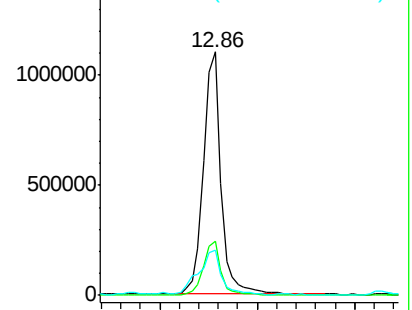
203 18.3 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 60.252 ng

RT: 12.98 min Scan# 1852

Delta R.T. 0.01 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

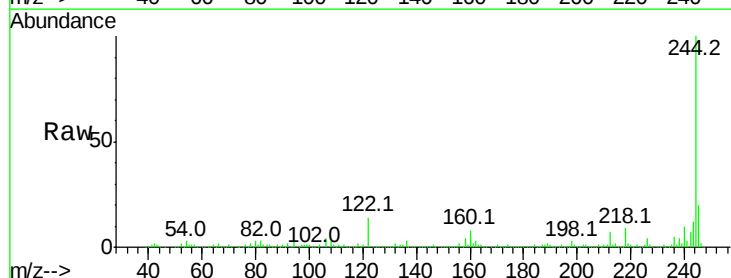
Tgt Ion:244 Resp: 503362

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

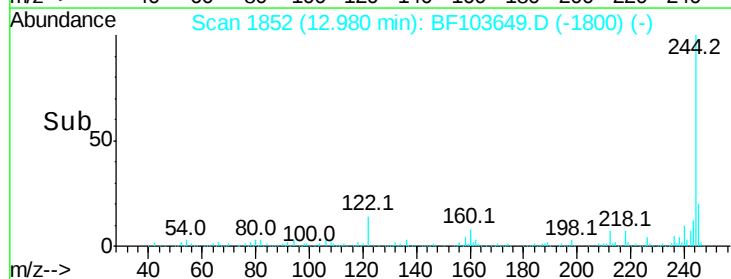
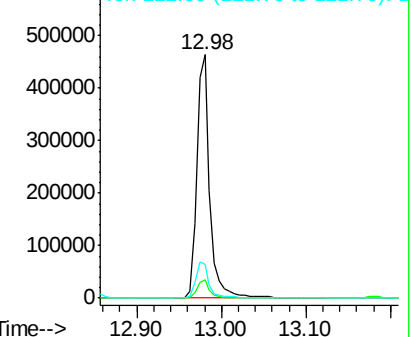
122 13.6 11.0 16.4

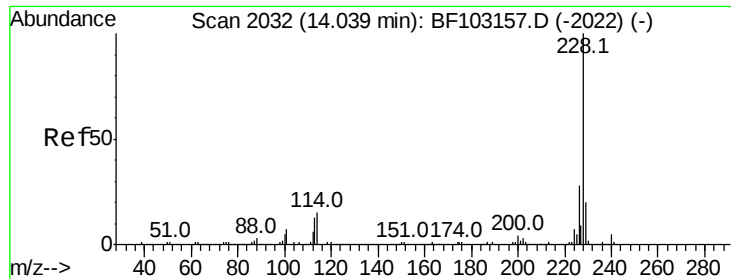


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 67.945 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

Instrument :

BNA_F

ClientSampleId :

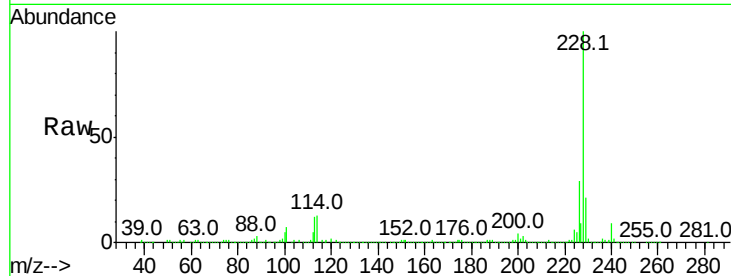
Tot Ion:228 Resp: 885350

Ion Ratio Lower Upper

228 100

226 29.2 22.6 33.8

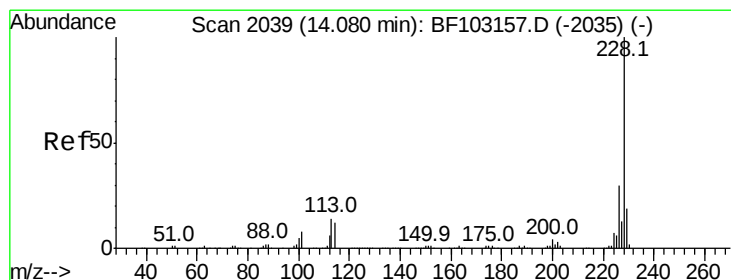
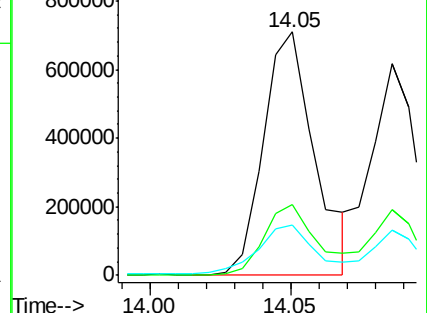
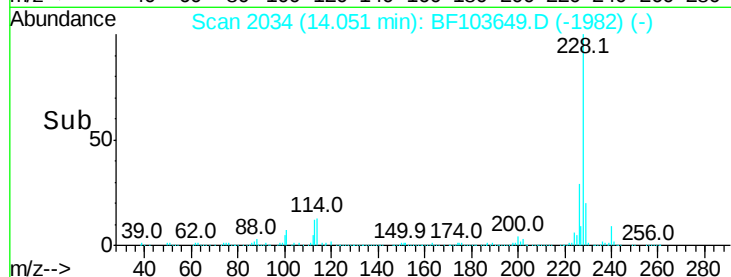
229 20.5 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 56.881 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.01 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

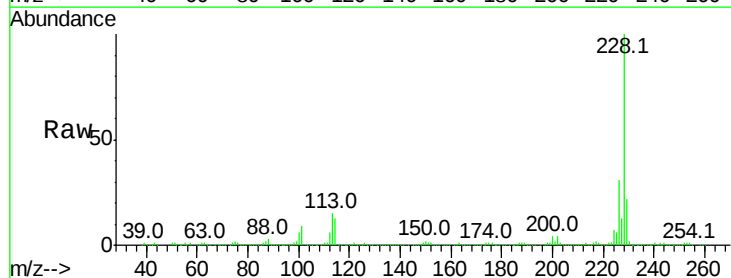
Tgt Ion:228 Resp: 719665

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.6

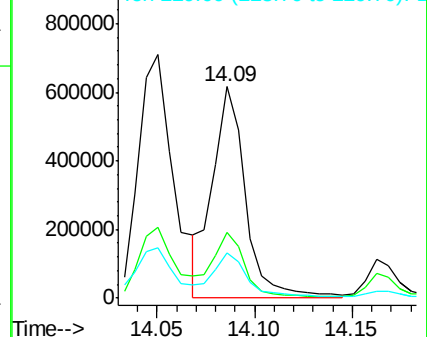
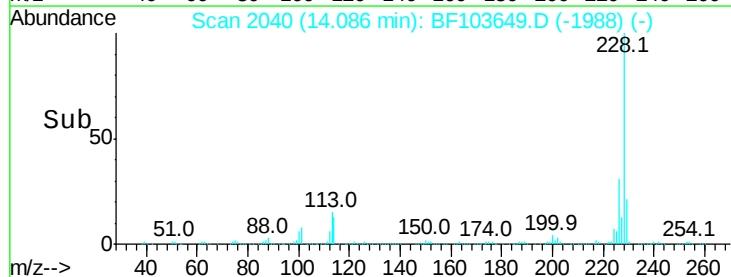
229 21.6 16.2 24.4

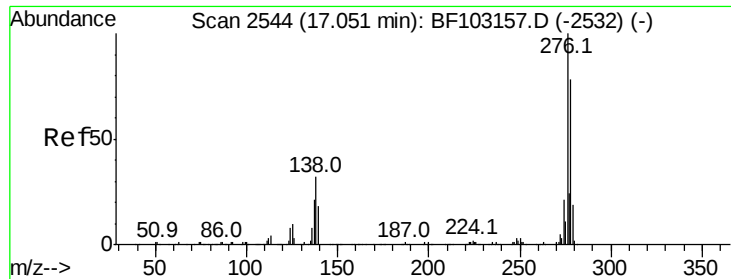


Abundance Ion 228.00 (227.70 to 228.70): E

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: 34.731 ng

RT: 17.13 min Scan# 2557

Delta R.T. 0.02 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

Instrument :

BNA_F

ClientSampleId :

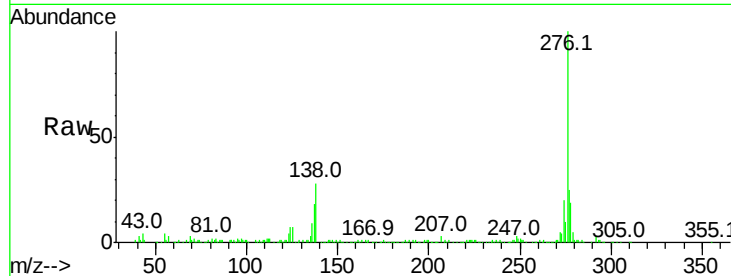
Tot Ion:276 Resp: 347878

Ion Ratio Lower Upper

276 100

138 26.2 25.0 37.6

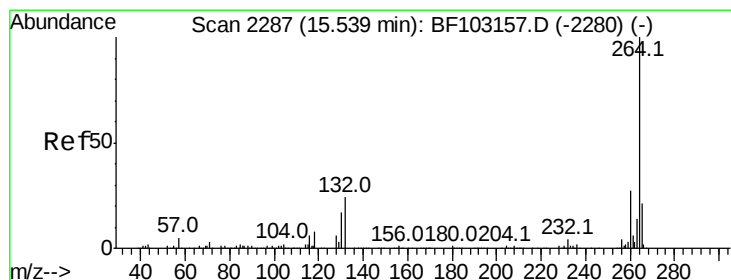
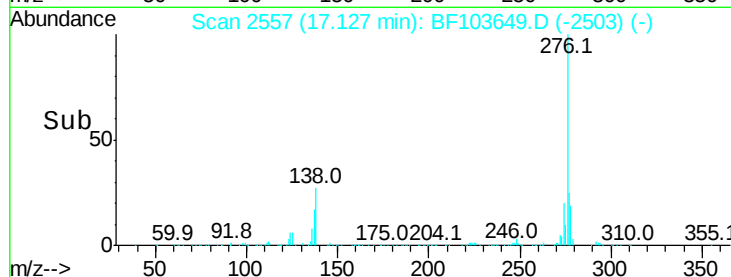
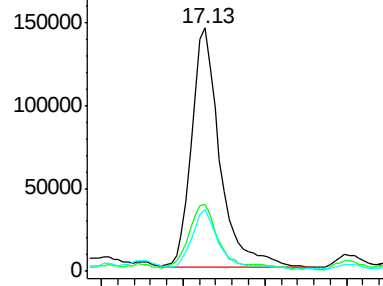
277 24.1 20.1 30.1



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

Perylene-d12

Concen: 20.000 ng

RT: 15.57 min Scan# 2293

Delta R.T. 0.01 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

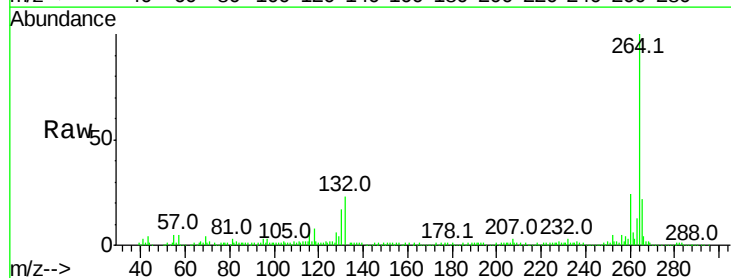
Tgt Ion:264 Resp: 206745

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

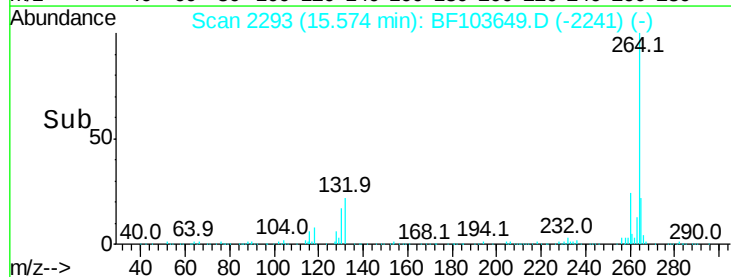
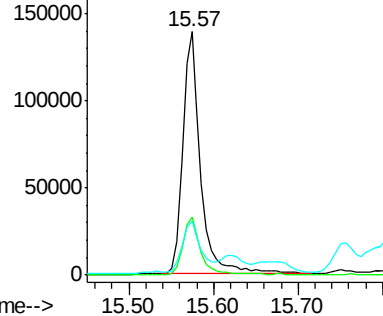
265 22.4 17.5 26.3

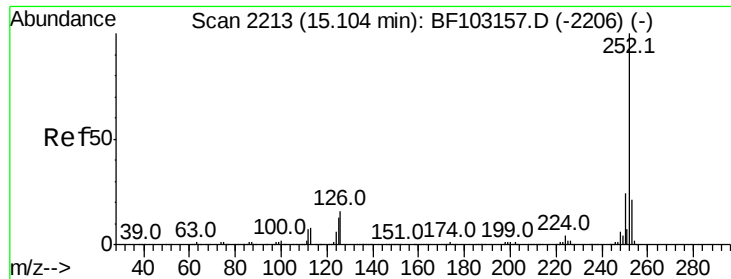


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

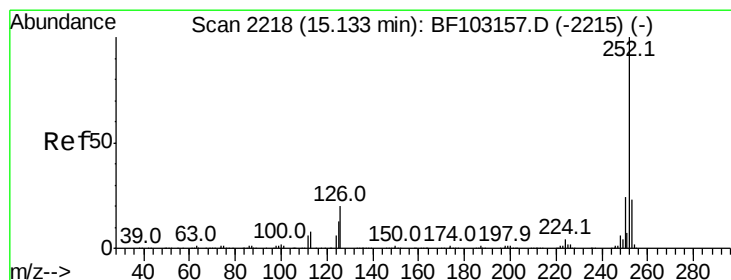
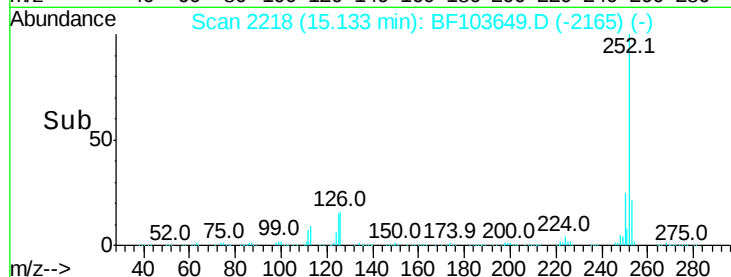
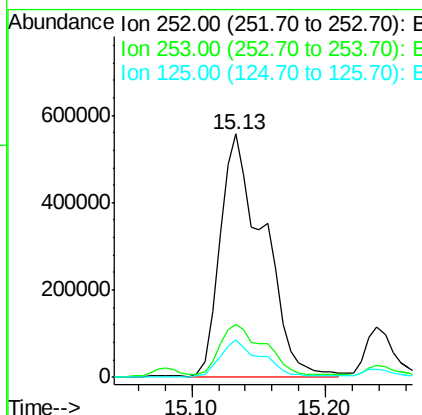
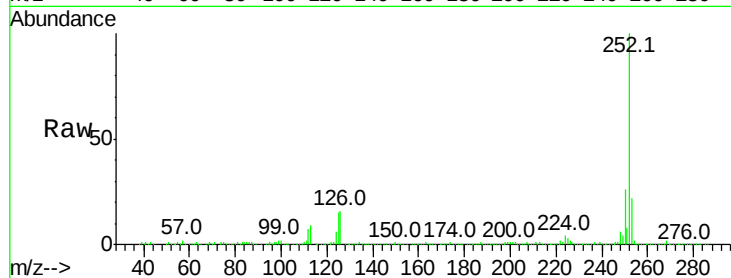




#87
Benzo(b)fluoranthene
Concen: 92.424 ng
RT: 15.13 min Scan# 2218
Delta R.T. 0.01 min
Lab File: BF103649.D
Acq: 14 Mar 2018 19:06

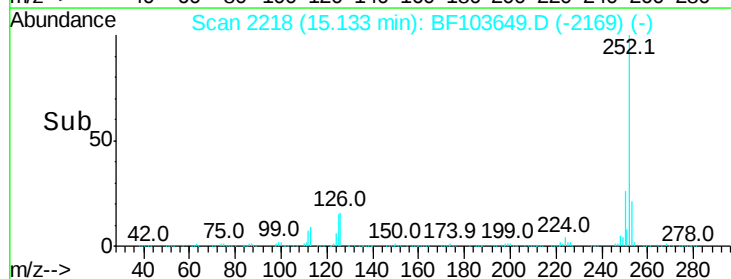
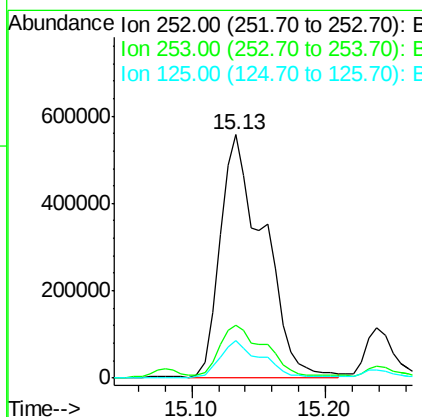
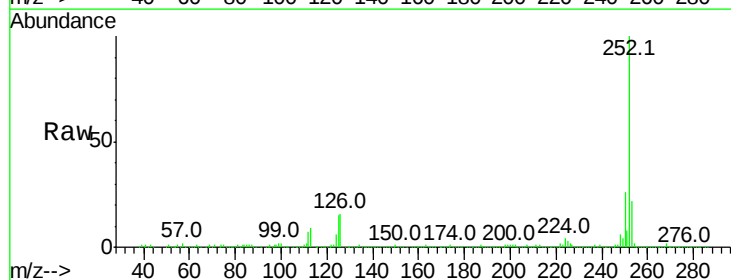
Instrument :
BNA_F
ClientSampleId :

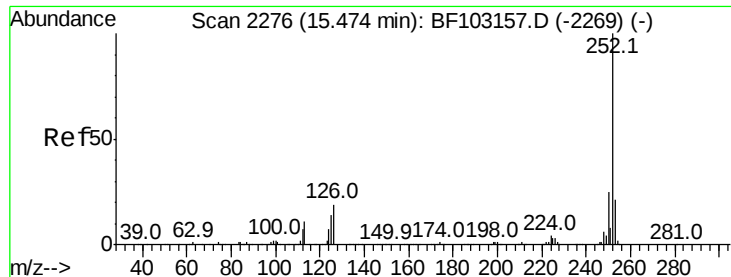
Tot Ion:252 Resp: 1256348
Ion Ratio Lower Upper
252 100
253 22.0 17.0 25.6
125 15.2 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 98.150 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF103649.D
Acq: 14 Mar 2018 19:06

Tgt Ion:252 Resp: 1256348
Ion Ratio Lower Upper
252 100
253 22.0 17.9 26.9
125 15.2 10.2 15.2





#89

Benzo(a)pyrene

Concen: 55.428 ng

RT: 15.52 min Scan# 2283

Delta R.T. 0.01 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

Instrument :

BNA_F

ClientSampled :

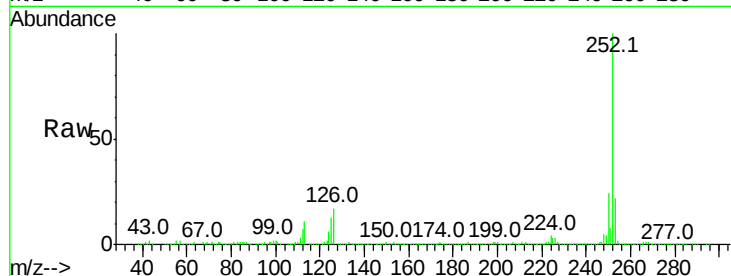
Tot Ion:252 Resp: 672831

Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

125 13.2 9.8 14.6

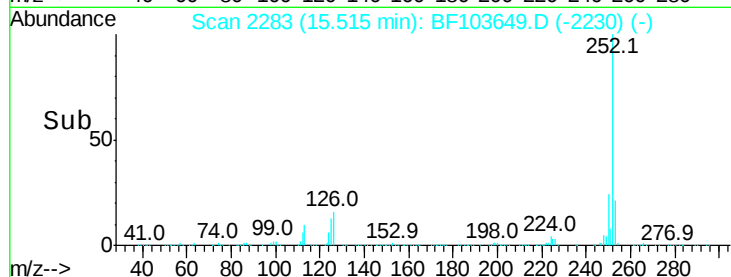


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



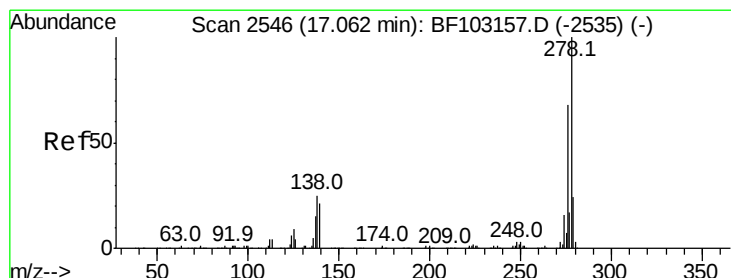
Abundance

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

Time-->



#90

Dibenzo(a,h)anthracene

Concen: 7.292 ng

RT: 17.12 min Scan# 2556

Delta R.T. 0.01 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

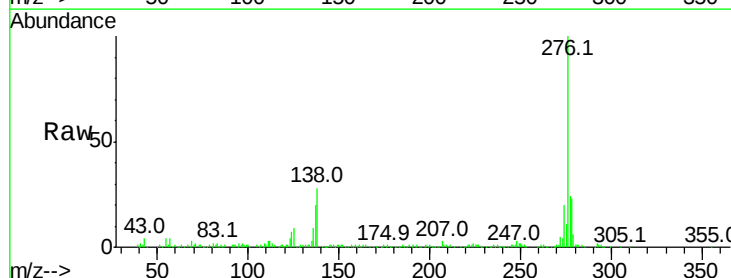
Tgt Ion:278 Resp: 68399

Ion Ratio Lower Upper

278 100

139 0.0 15.9 23.9#

279 24.7 19.0 28.4

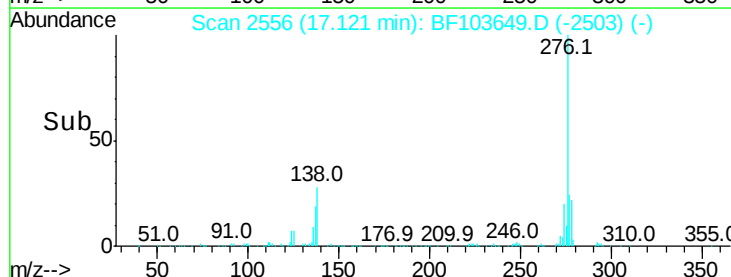


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

Time-->



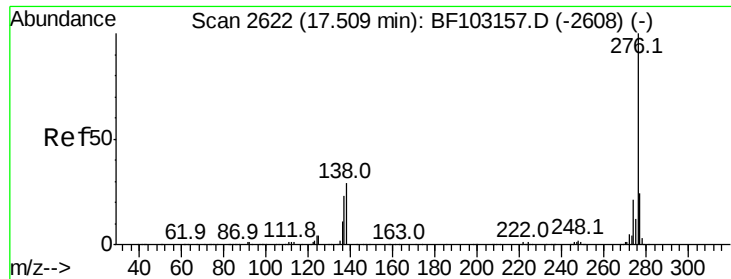
Abundance

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

Time-->



#91

Benzo(a,h,i)perylene

Concen: 32.958 ng

RT: 17.60 min Scan# 2637

Delta R.T. 0.01 min

Lab File: BF103649.D

Acq: 14 Mar 2018 19:06

Instrument :

BNA_F

ClientSampleId :

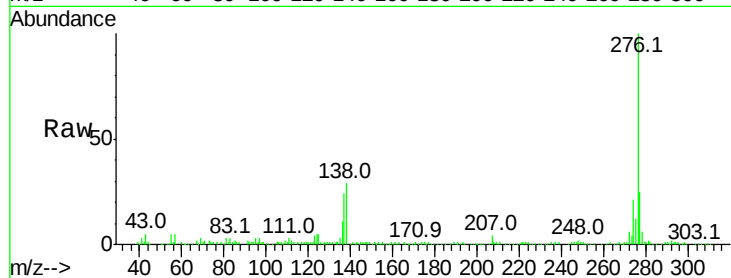
Tot Ion: 276 Resp: 302139

Ion Ratio Lower Upper

276 100

277 25.2 17.9 26.9

138 28.7 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

