

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG040319\
 Data File : BG040340.D
 Acq On : 4 Apr 2019 00:30
 Operator : JU/SJ
 Sample : K2176-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 04 01:26:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 28 05:47:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	61636	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	248704	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	155290	20.00	ng	-0.02
64) Phenanthrene-d10	17.42	188	372135	20.00	ng	-0.02
76) Chrysene-d12	21.70	240	399696	20.00	ng	-0.03
87) Perylene-d12	24.97	264	410172	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	183803	49.57	ng	-0.02
7) Phenol-d6	7.20	99	160826	31.39	ng	-0.02
23) Nitrobenzene-d5	9.22	82	335662	71.74	ng	-0.02
42) 2,4,6-Tribromophenol	16.17	330	208908	124.48	ng	-0.02
45) 2-Fluorobiphenyl	13.30	172	743587	70.95	ng	-0.02
79) Terphenyl-d14	20.03	244	1089805	61.34	ng	-0.02

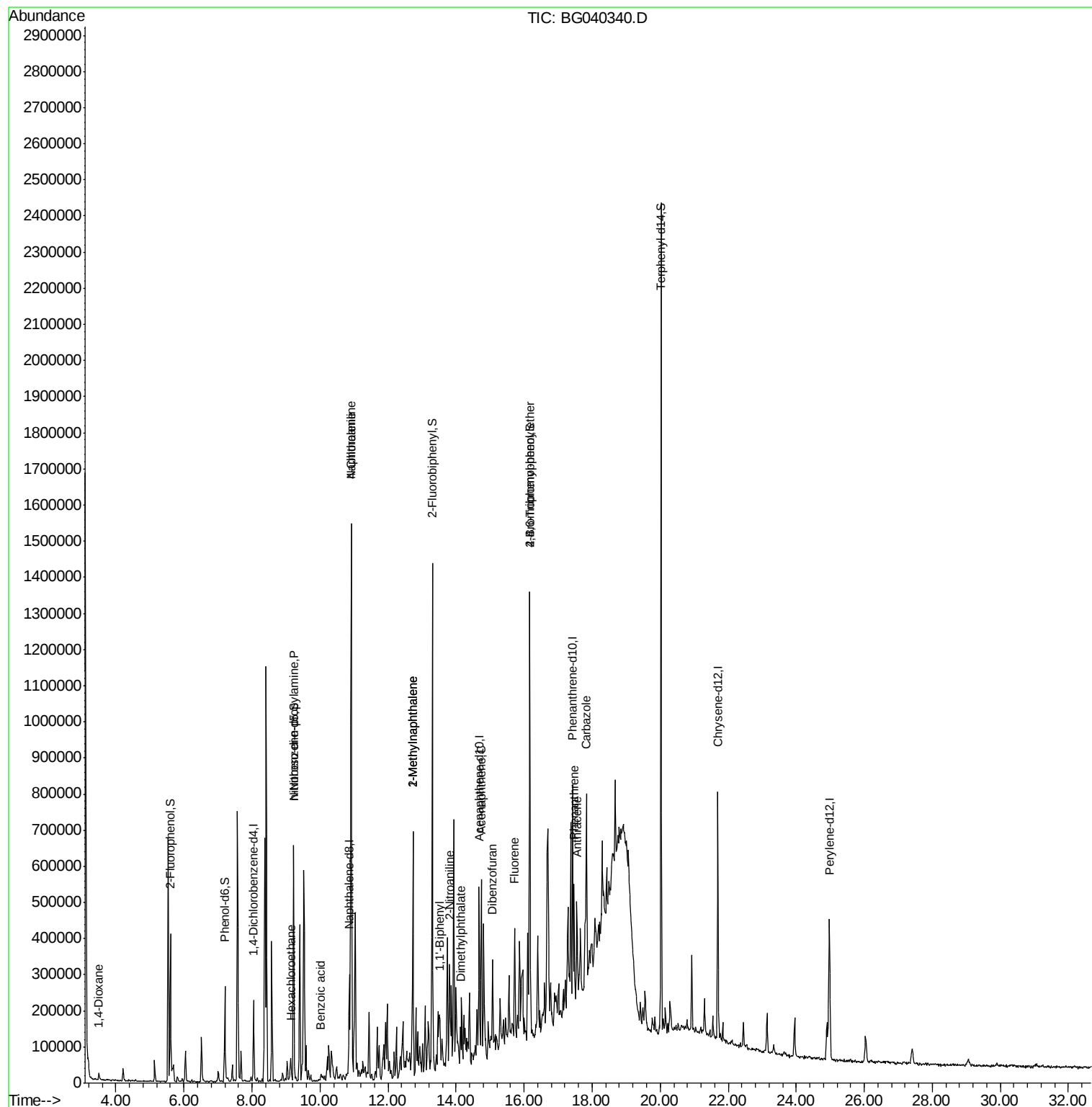
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.50	88	10251	5.880	ng	# 94
18) Hexachloroethane	9.16	117	4376	2.448	ng	# 42
19) n-Nitroso-di-n-propylamine	9.22	70	44598	12.140	ng	# 71
31) Naphthalene	10.91	128	1258341	98.710	ng	99
32) Benzoic acid	10.02	122	5470	2.483	ng	# 24
33) 4-Chloroaniline	10.91	127	174958	32.175	ng	# 34
37) 2-Methylnaphthalene	12.73	142	320329	33.976	ng	98
38) 1-Methylnaphthalene	12.73	142	320329	35.038	ng	98
46) 1,1'-Biphenyl	13.51	154	34552	2.816	ng	99
48) 2-Nitroaniline	13.81	65	6404	2.017	ng	# 41
50) Dimethylphthalate	14.12	163	38937	3.204	ng	# 97
52) Acenaphthene	14.75	154	172525	18.868	ng	99
55) Dibenzofuran	15.07	168	166495	11.332	ng	99
58) Fluorene	15.72	166	113776	9.849	ng	# 98
67) 4-Bromophenyl-phenylether	16.17	248	15874	3.791	ng	# 1
71) Phenanthrene	17.47	178	203798	10.419	ng	99
72) Anthracene	17.56	178	39819	2.034	ng	98
73) Carbazole	17.84	167	319239	17.230	ng	99

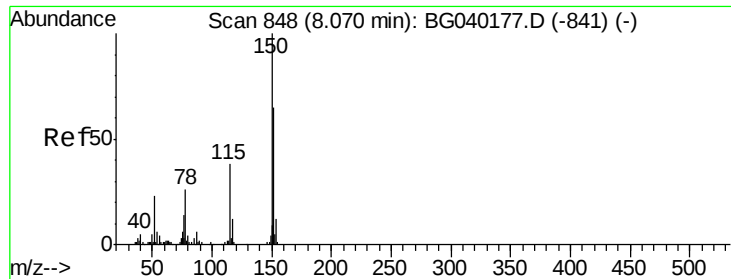
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG040319\
Data File : BG040340.D
Acq On : 4 Apr 2019 00:30
Operator : JU/SJ
Sample : K2176-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Apr 04 01:26:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 28 05:47:00 2019
Response via : Initial Calibration



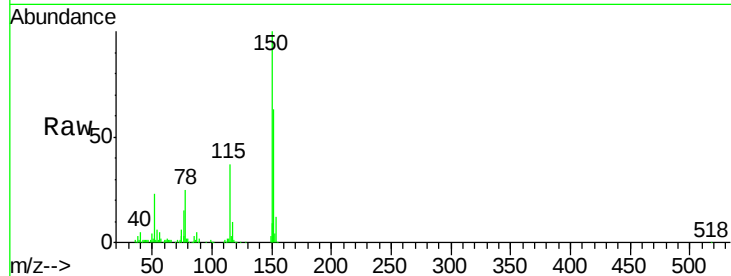


#1

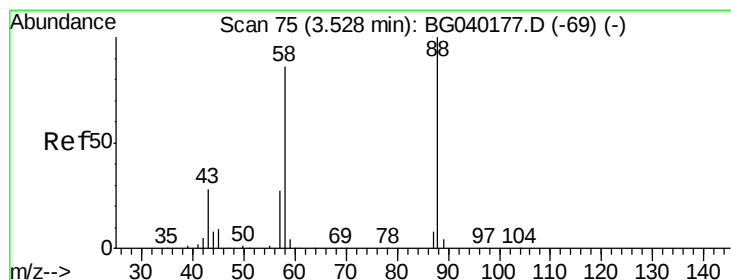
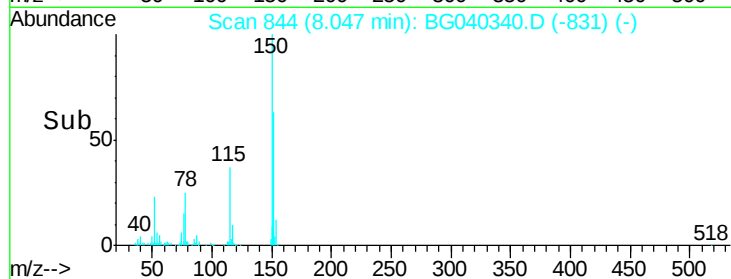
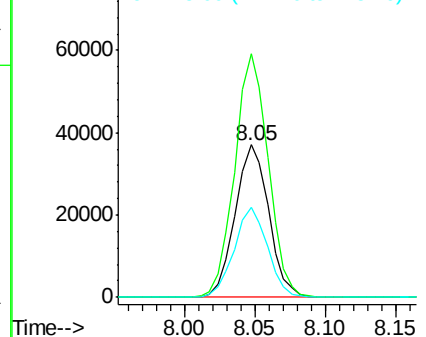
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.02 min
Lab File: BG040340.D
Acq: 4 Apr 2019 00:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 61636
Ion Ratio Lower Upper
152 100
150 160.0 123.7 185.5
115 58.9 46.9 70.3



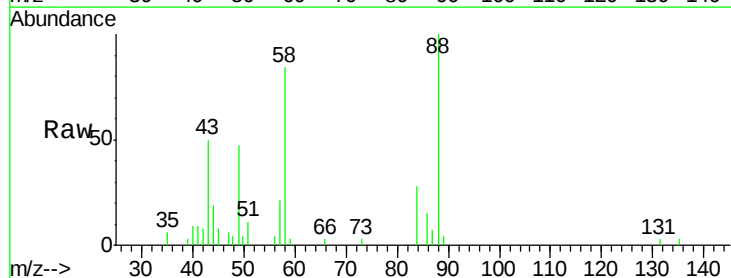
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



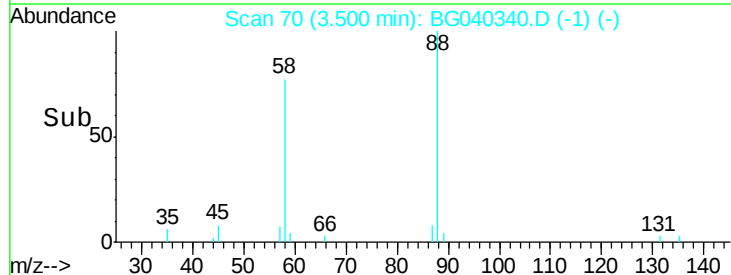
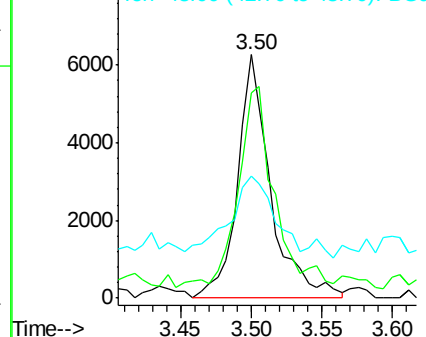
#2

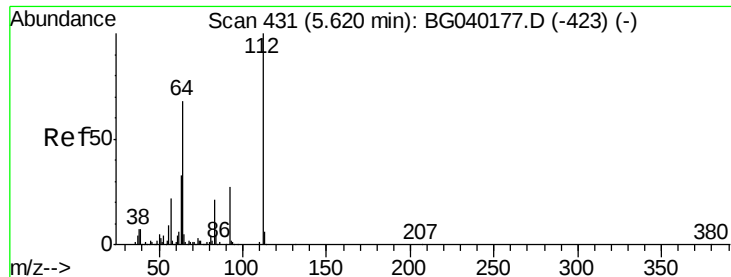
1,4-Dioxane
Concen: 5.880 ng
RT: 3.50 min Scan# 70
Delta R.T. -0.03 min
Lab File: BG040340.D
Acq: 4 Apr 2019 00:30

Tgt Ion: 88 Resp: 10251
Ion Ratio Lower Upper
88 100
58 86.1 70.6 106.0
43 39.2 24.8 37.2#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 49.574 ng

RT: 5.60 min Scan# 428

Delta R.T. -0.02 min

Lab File: BG040340.D

Acq: 4 Apr 2019 00:30

Instrument :

BNA_G

ClientSampled :

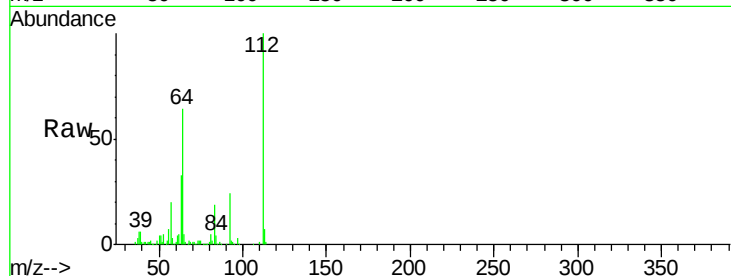
Tot Ion:112 Resp: 183803

Ion Ratio Lower Upper

112 100

64 64.1 54.2 81.2

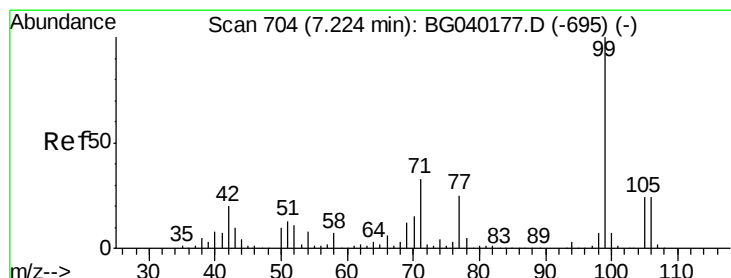
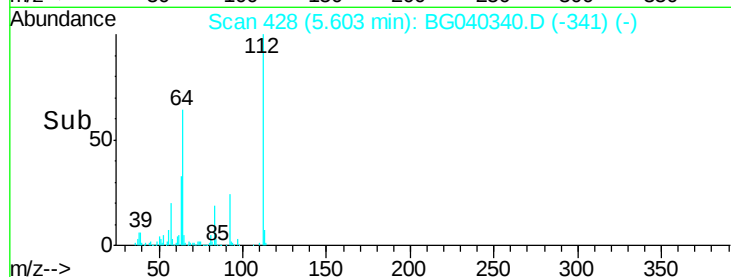
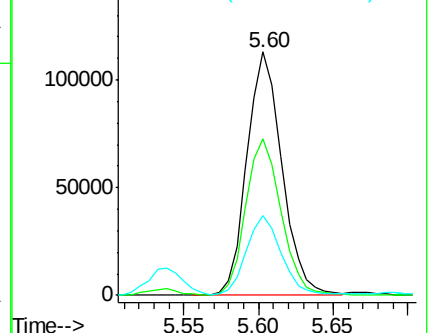
63 32.6 26.4 39.6



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 31.387 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.02 min

Lab File: BG040340.D

Acq: 4 Apr 2019 00:30

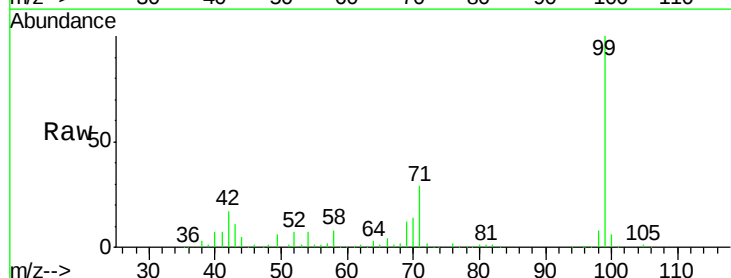
Tgt Ion: 99 Resp: 160826

Ion Ratio Lower Upper

99 100

42 16.9 16.2 24.2

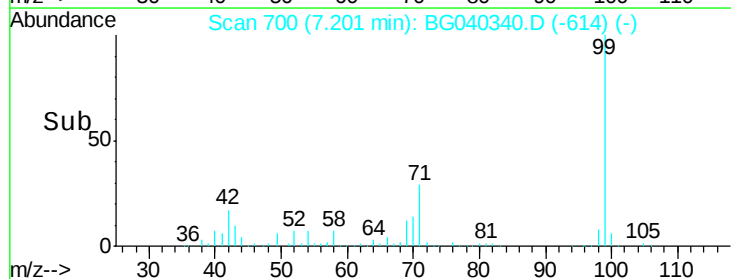
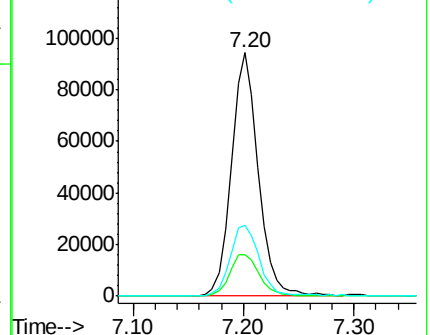
71 29.1 26.8 40.2

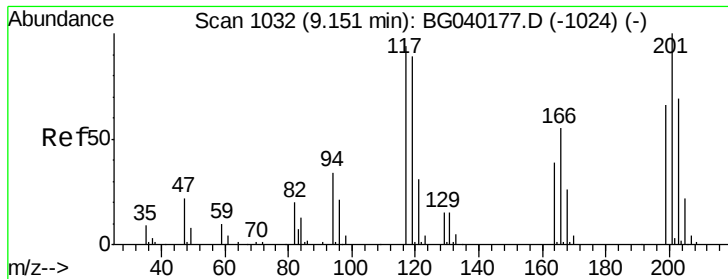


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

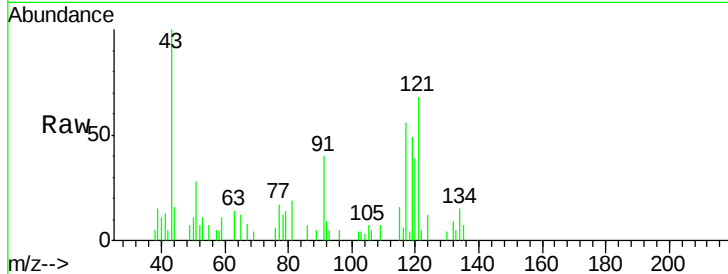




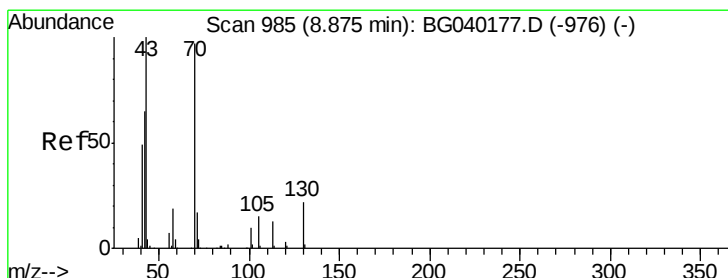
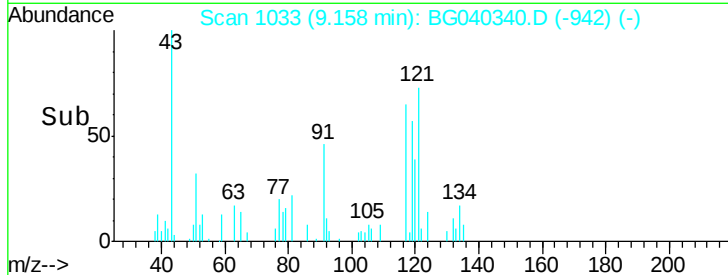
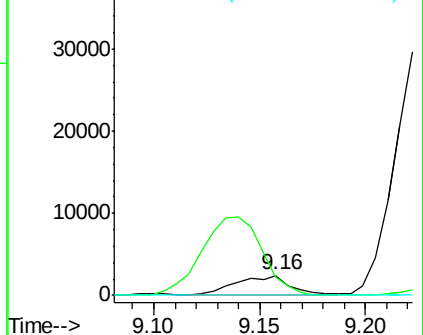
#18
Hexachloroethane
Concen: 2.448 ng
RT: 9.16 min Scan# 1033
Delta R.T. 0.01 min
Lab File: BG040340.D
Acq: 4 Apr 2019 00:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:117 Resp: 4376
Ion Ratio Lower Upper
117 100
119 87.4 76.6 115.0
201 0.0 85.0 127.4#

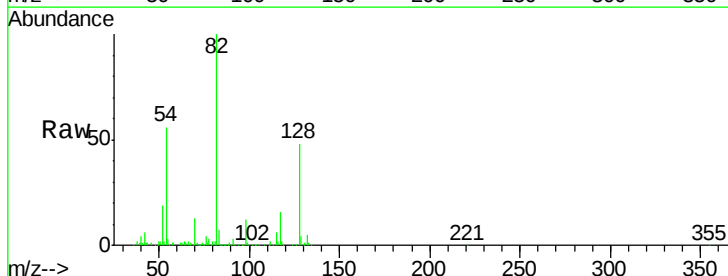


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

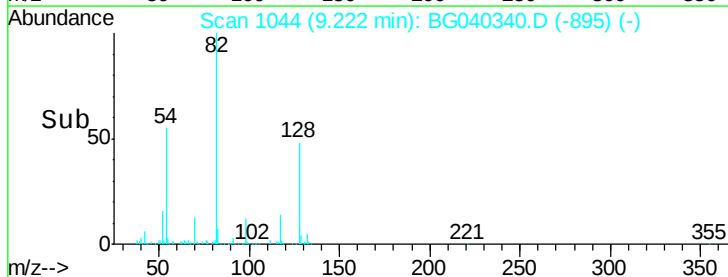
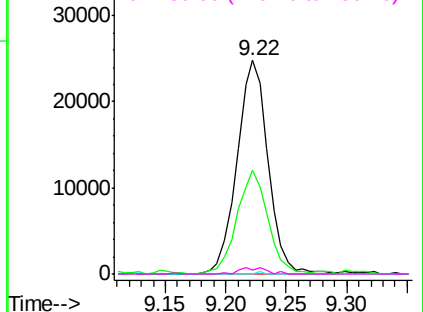


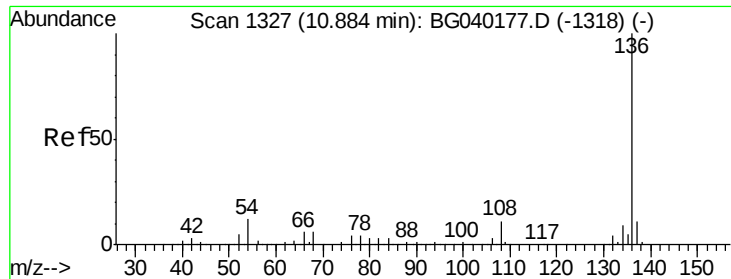
#19
n-Nitroso-di-n-propylamine
Concen: 12.140 ng
RT: 9.22 min Scan# 1044
Delta R.T. 0.35 min
Lab File: BG040340.D
Acq: 4 Apr 2019 00:30

Tgt Ion: 70 Resp: 44598
Ion Ratio Lower Upper
70 100
42 48.5 54.0 81.0#
101 0.0 8.6 13.0#
130 2.0 18.2 27.2#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

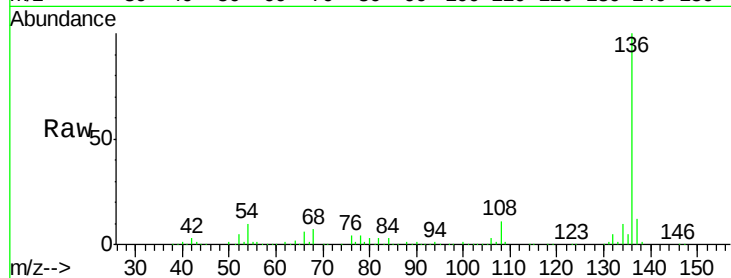




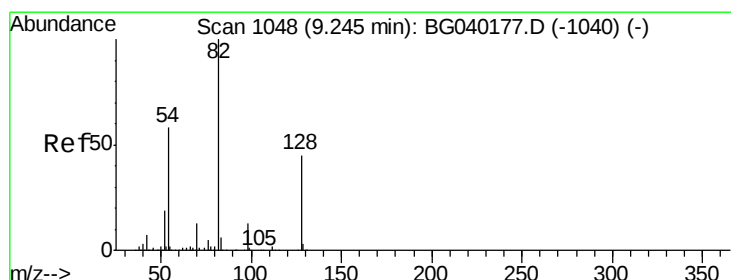
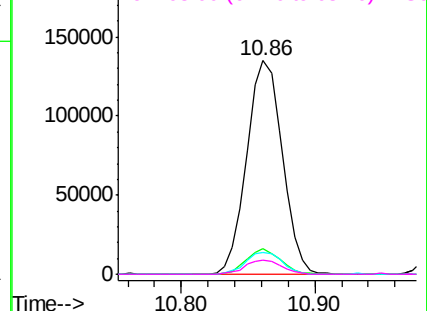
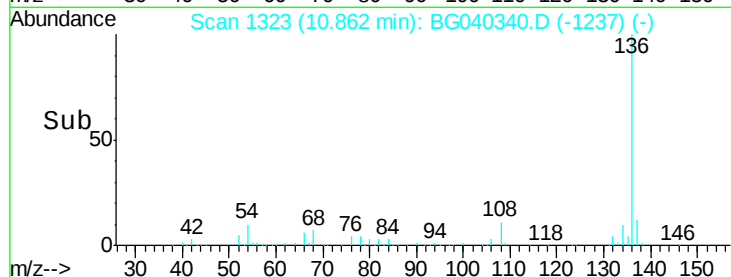
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG040340.D
Acq: 4 Apr 2019 00:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	248704
Ion Ratio	Lower	Upper
136 100		
137 12.1	8.9	13.3
54 10.1	9.6	14.4
68 6.7	5.1	7.7

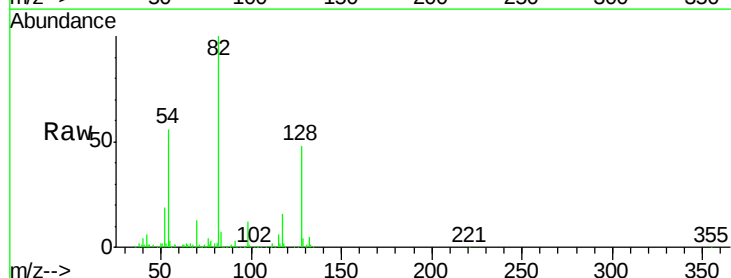


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

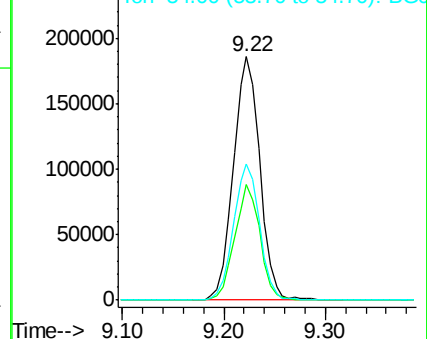
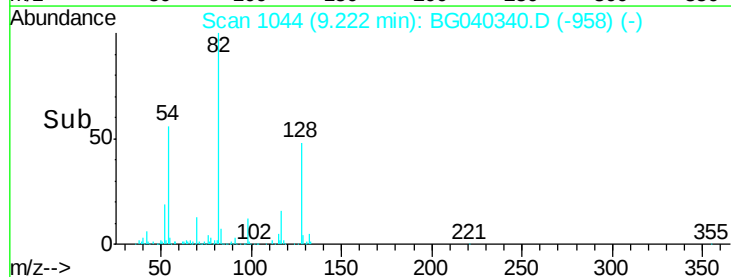


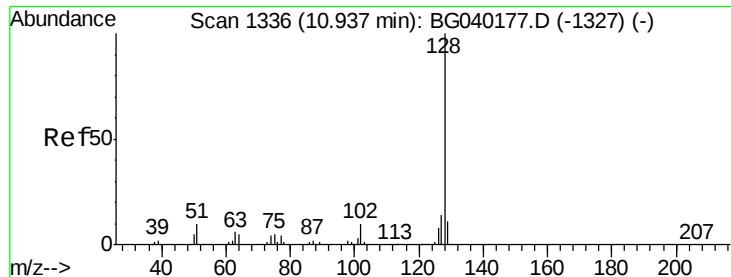
#23
Nitrobenzene-d5
Concen: 71.738 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG040340.D
Acq: 4 Apr 2019 00:30

Tgt Ion	82	Resp: Lower	335662 Upper
	Ratio 100		
128	47.6	35.8	53.8
54	55.8	46.2	69.2



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

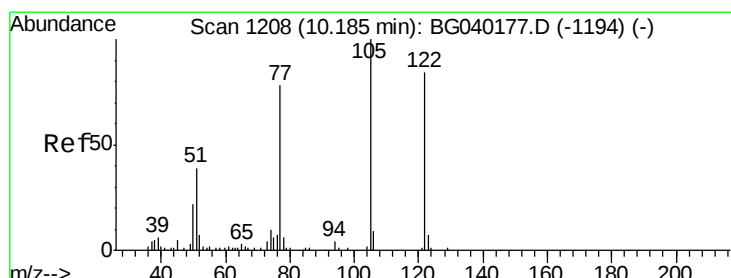
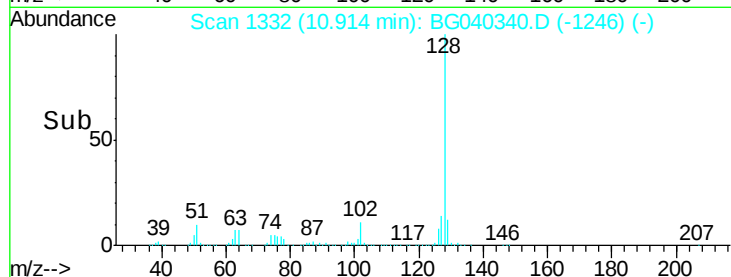
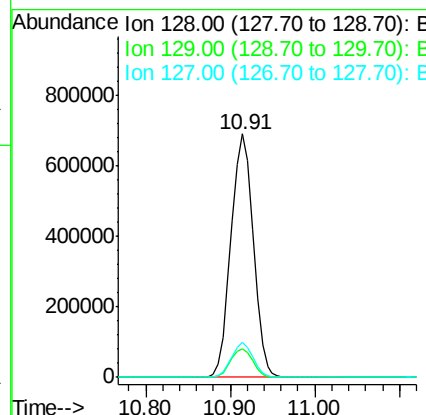
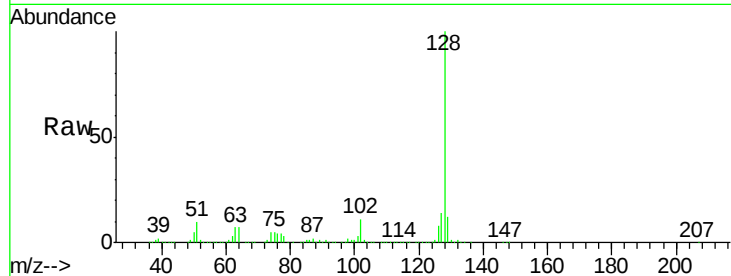




#31
Naphthalene
Concen: 98.710 ng
RT: 10.91 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BG040340.D
Acq: 4 Apr 2019 00:30

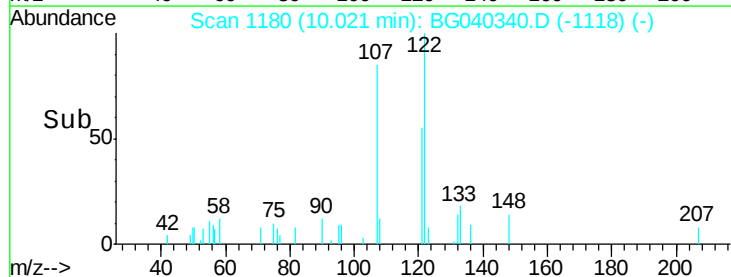
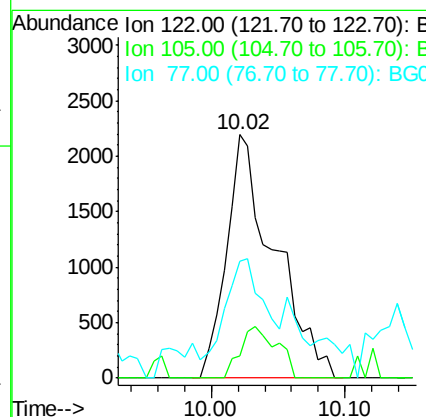
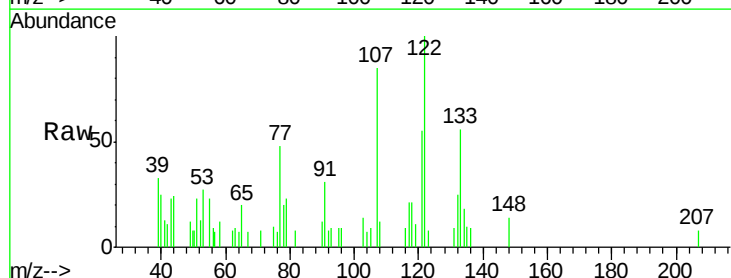
Instrument :
BNA_G
ClientSampleId :

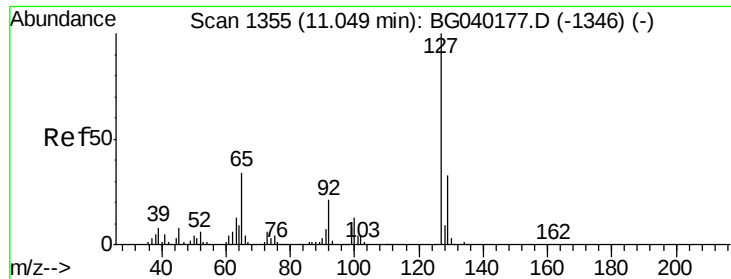
Tot Ion:128 Resp: 1258341
Ion Ratio Lower Upper
128 100
129 11.7 8.9 13.3
127 14.2 11.4 17.0



#32
Benzoic acid
Concen: 2.483 ng
RT: 10.02 min Scan# 1180
Delta R.T. -0.16 min
Lab File: BG040340.D
Acq: 4 Apr 2019 00:30

Tgt Ion:122 Resp: 5470
Ion Ratio Lower Upper
122 100
105 9.1 98.2 138.2#
77 47.9 73.6 113.6#

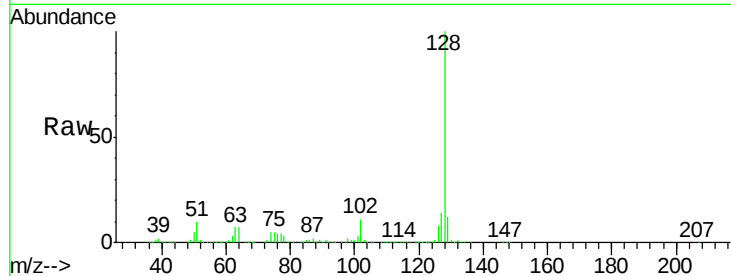




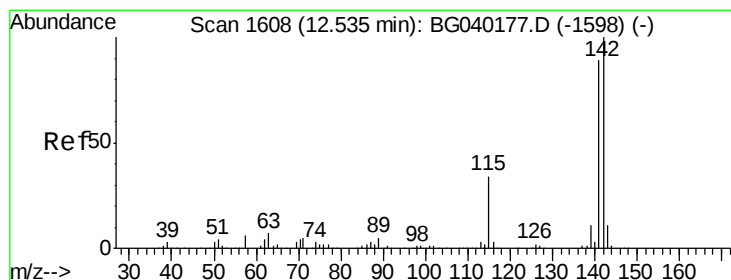
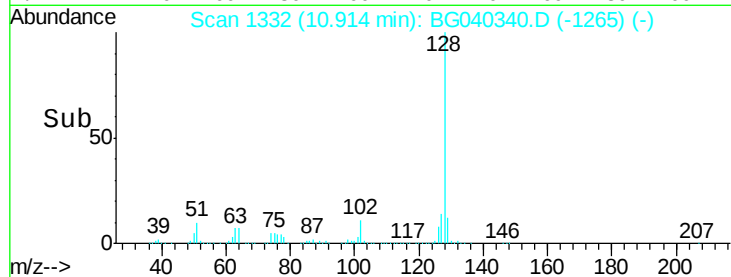
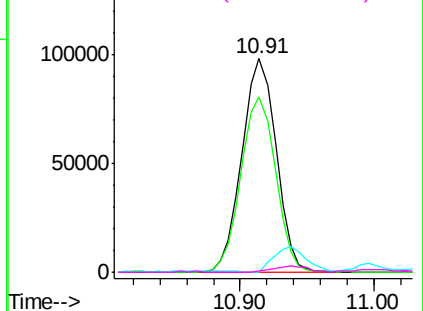
#33
4-Chloroaniline
Concen: 32.175 ng
RT: 10.91 min Scan# 1332
Delta R.T. -0.13 min
Lab File: BG040340.D
Acq: 4 Apr 2019 00:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	127	Resp:	174958
Ion	Ratio	Lower	Upper
127	100		
129	82.0	26.6	40.0#
65	0.0	27.0	40.4#
92	0.4	16.6	25.0#

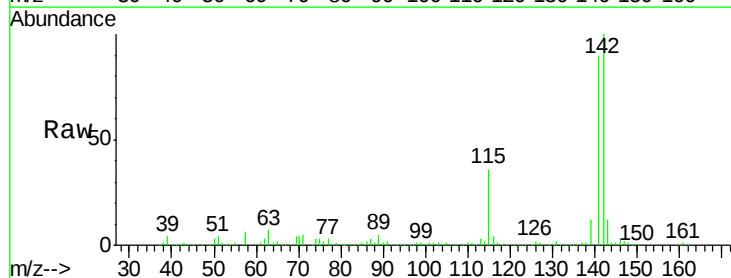


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

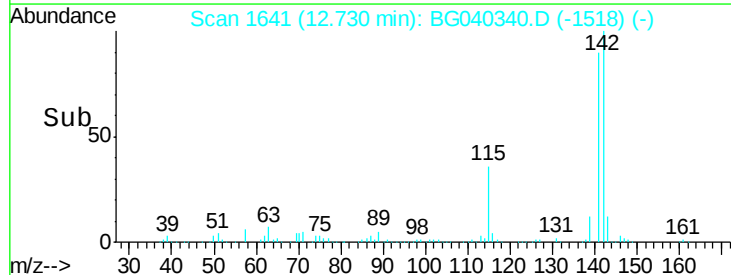
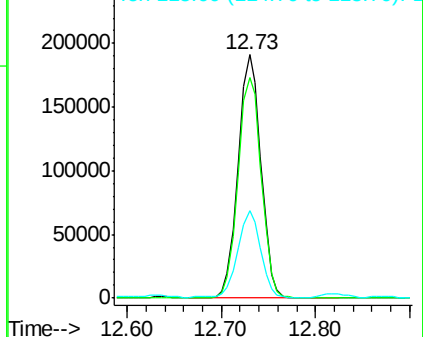


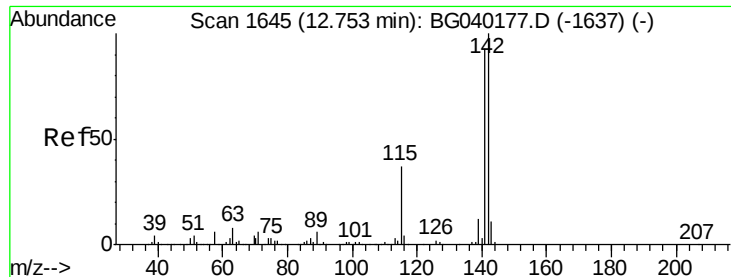
#37
2-Methylnaphthalene
Concen: 33.976 ng
RT: 12.73 min Scan# 1641
Delta R.T. 0.19 min
Lab File: BG040340.D
Acq: 4 Apr 2019 00:30

Tgt Ion:	142	Resp:	320329
Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.0	106.6
115	36.0	27.3	40.9



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

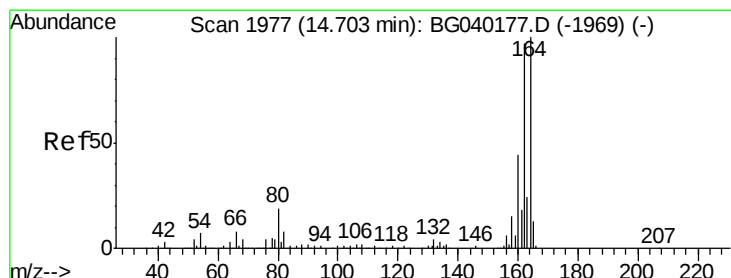
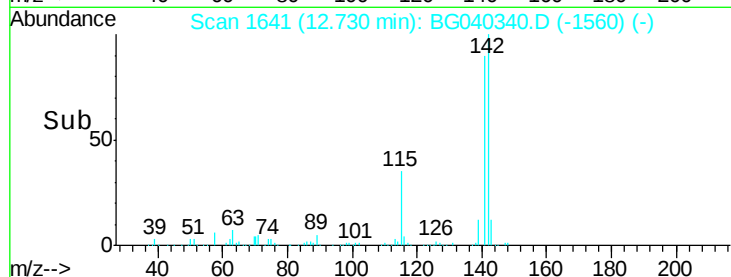
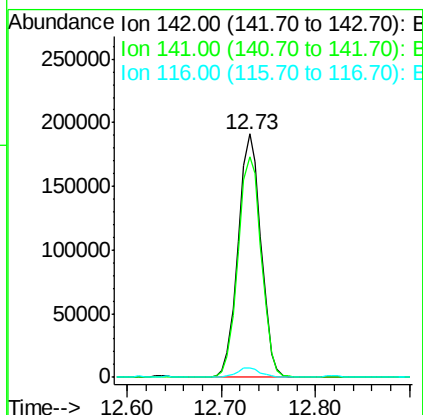
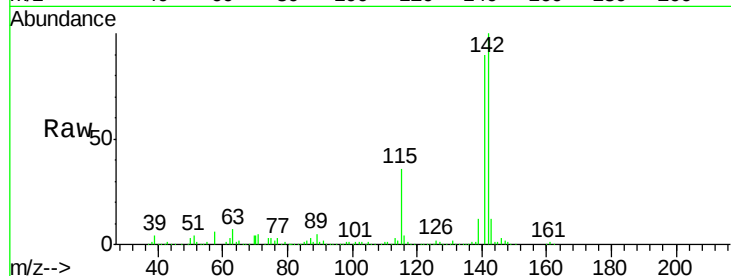




#38
1-Methylnaphthalene
Concen: 35.038 ng
RT: 12.73 min Scan# 1641
Delta R.T. -0.02 min
Lab File: BG040340.D
Acq: 4 Apr 2019 00:30

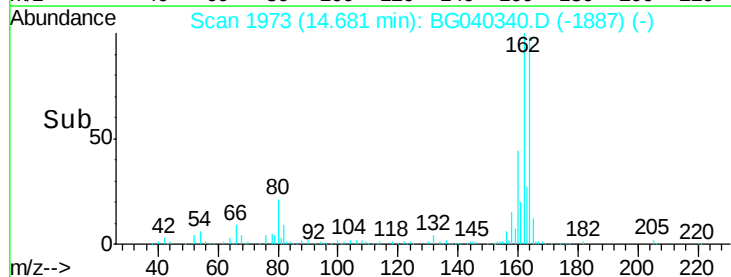
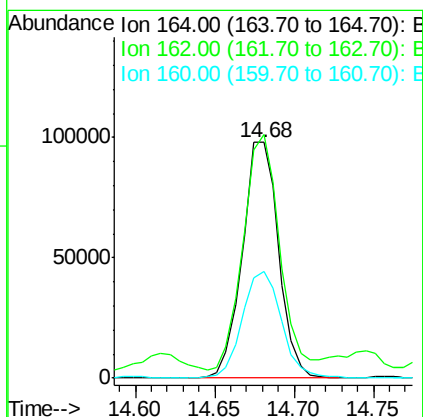
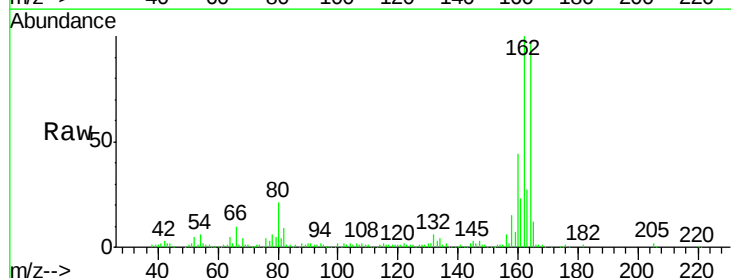
Instrument :
BNA_G
ClientSampled :

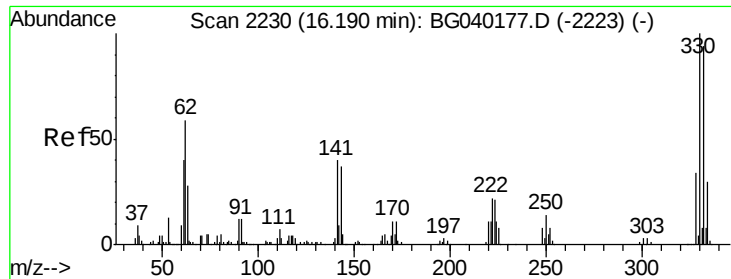
Tot Ion:142 Resp: 320329
Ion Ratio Lower Upper
142 100
141 90.4 74.2 111.4
116 4.0 3.0 4.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.02 min
Lab File: BG040340.D
Acq: 4 Apr 2019 00:30

Tgt Ion:164 Resp: 155290
Ion Ratio Lower Upper
164 100
162 103.4 77.4 116.2
160 45.2 35.3 52.9

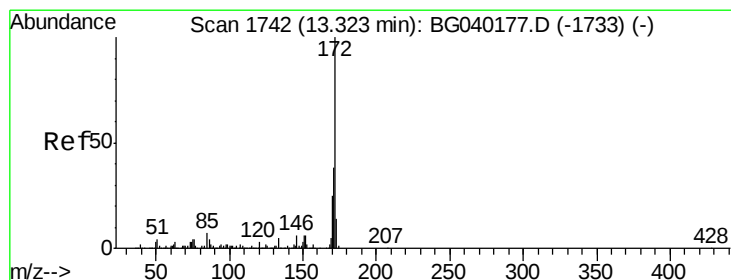
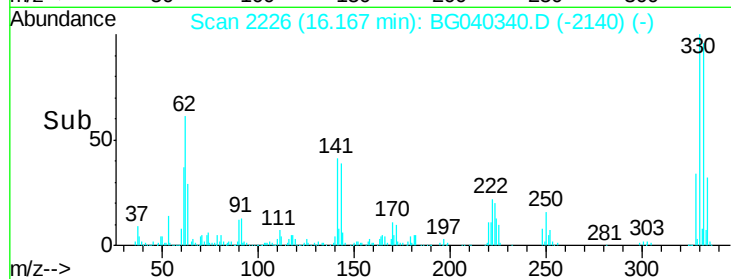
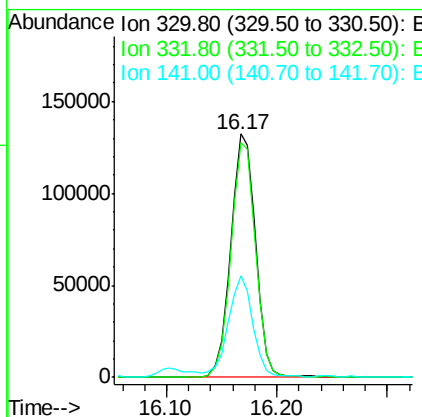
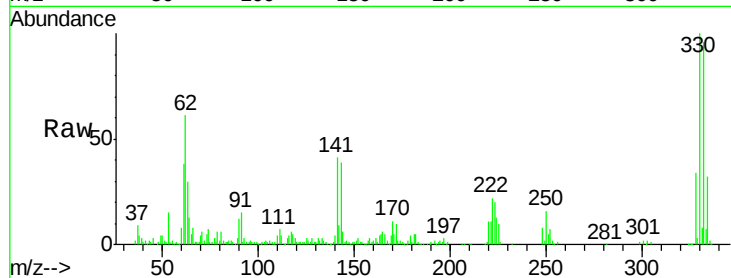




#42
 2,4,6-Tribromophenol
 Concen: 124.477 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.02 min
 Lab File: BG040340.D
 Acq: 4 Apr 2019 00:30

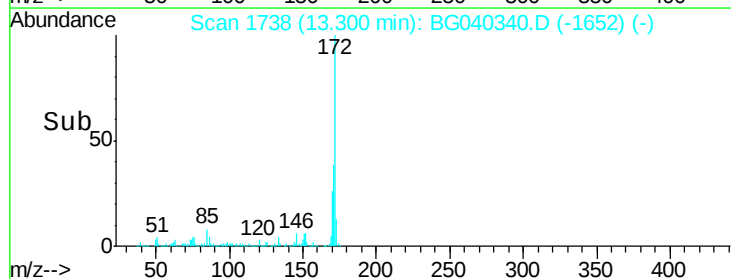
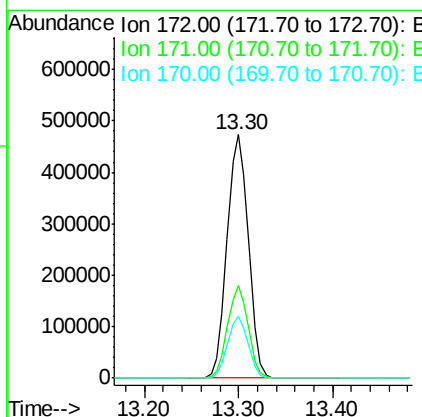
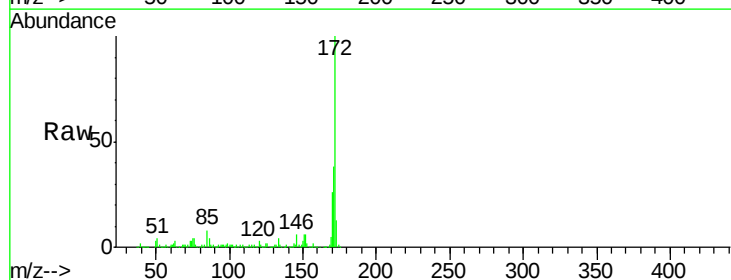
Instrument :
 BNA_G
 ClientSampleId :

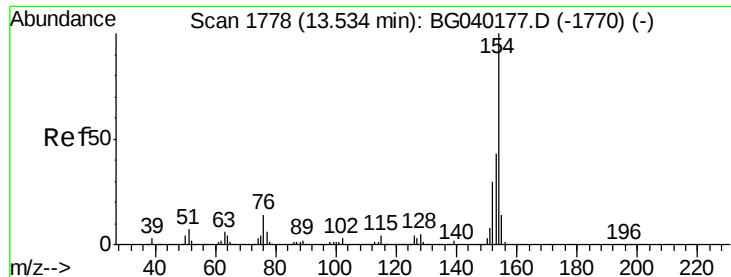
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.6	115.0
141	40.8	32.6	48.8



#45
 2-Fluorobiphenyl
 Concen: 70.952 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.02 min
 Lab File: BG040340.D
 Acq: 4 Apr 2019 00:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.5	45.7
170	25.5	20.1	30.1





#46

1,1'-Biphenyl

Concen: 2.816 ng

RT: 13.51 min Scan# 1774

Delta R.T. -0.02 min

Lab File: BG040340.D

Acq: 4 Apr 2019 00:30

Instrument :

BNA_G

ClientSampled :

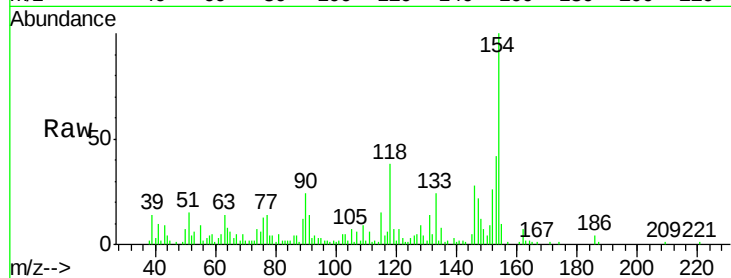
Tot Ion:154 Resp: 34552

Ion Ratio Lower Upper

154 100

153 41.8 22.5 62.5

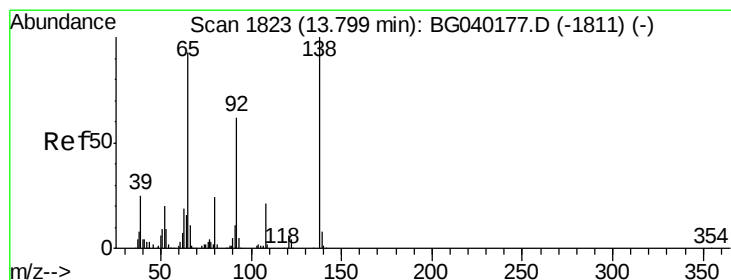
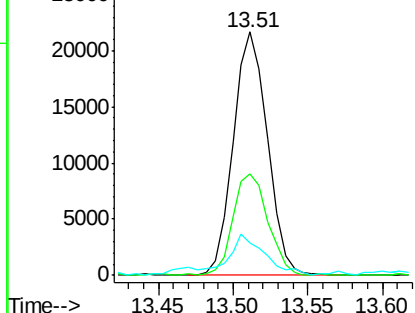
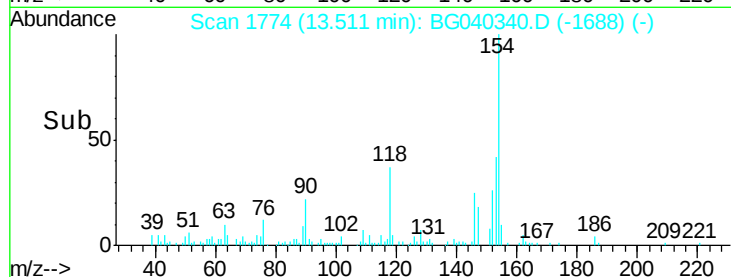
76 13.3 0.0 33.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#48

2-Nitroaniline

Concen: 2.017 ng

RT: 13.81 min Scan# 1825

Delta R.T. 0.01 min

Lab File: BG040340.D

Acq: 4 Apr 2019 00:30

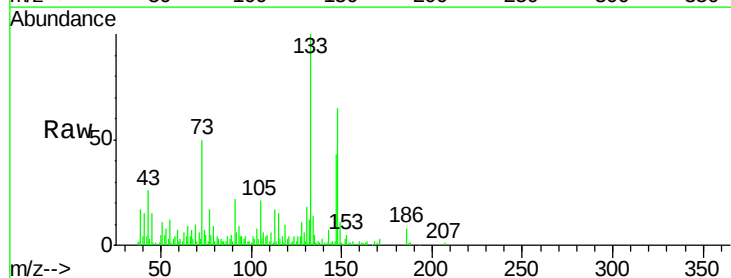
Tgt Ion: 65 Resp: 6404

Ion Ratio Lower Upper

65 100

92 66.0 53.8 80.6

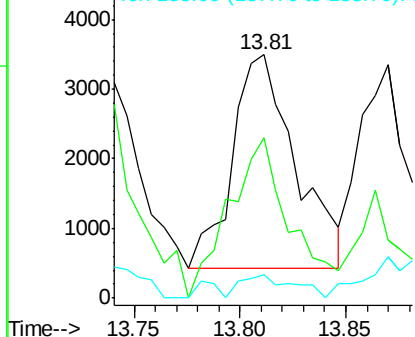
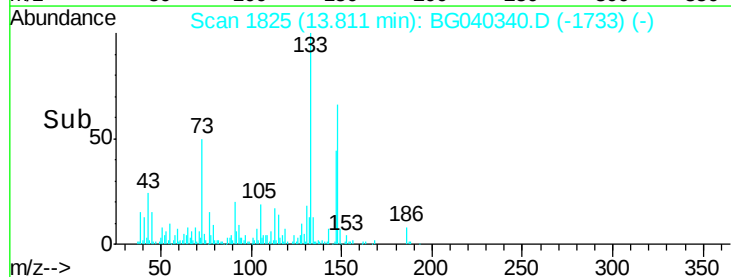
138 9.5 86.3 129.5#

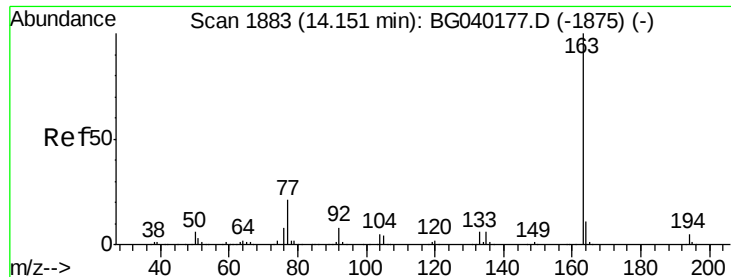


Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E

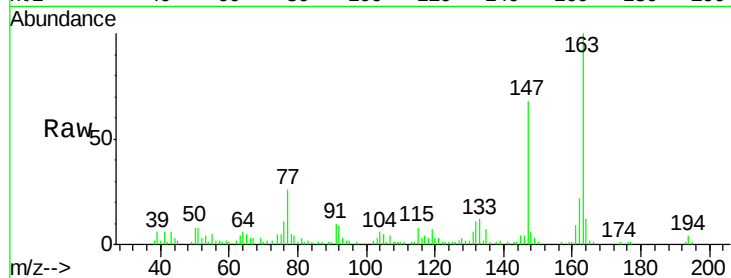




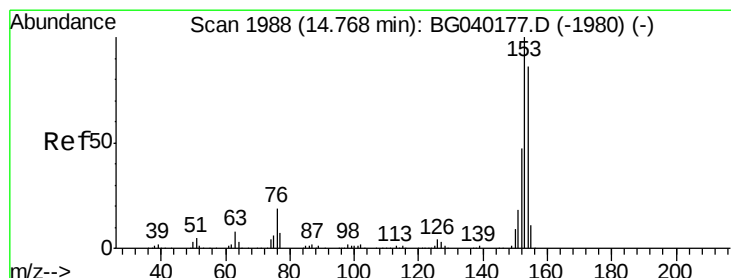
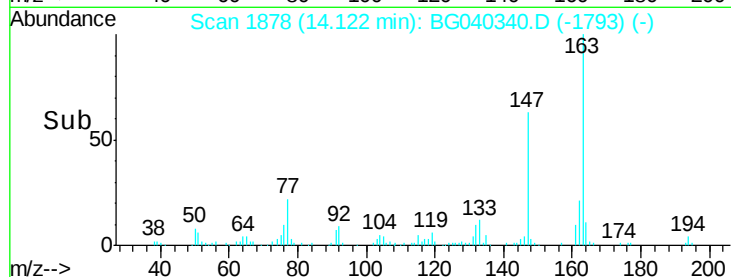
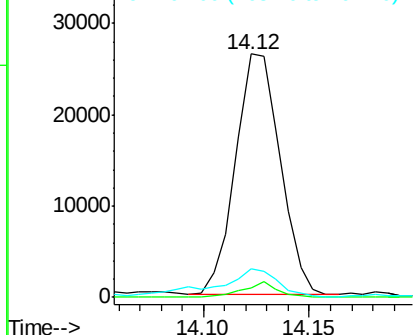
#50
Dimethylphthalate
Concen: 3.204 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.03 min
Lab File: BG040340.D
Acq: 4 Apr 2019 00:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 38937
Ion Ratio Lower Upper
163 100
194 3.9 4.1 6.1#
164 11.8 8.6 13.0

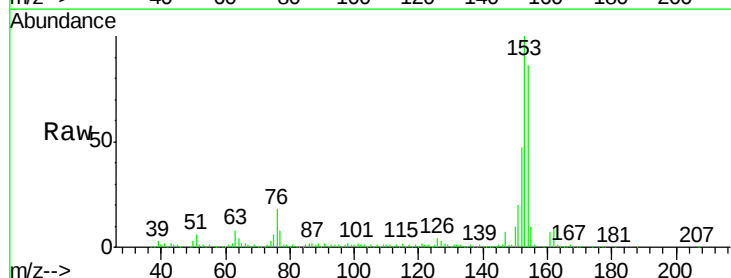


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

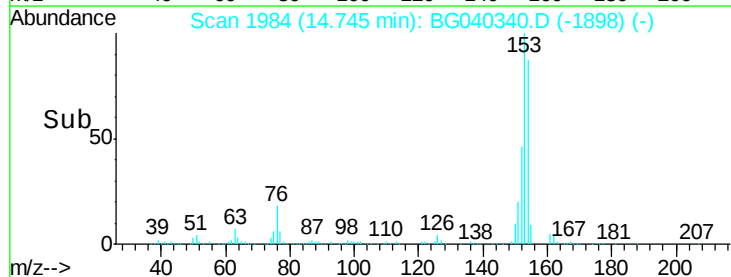
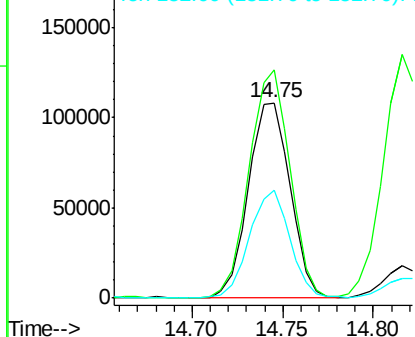


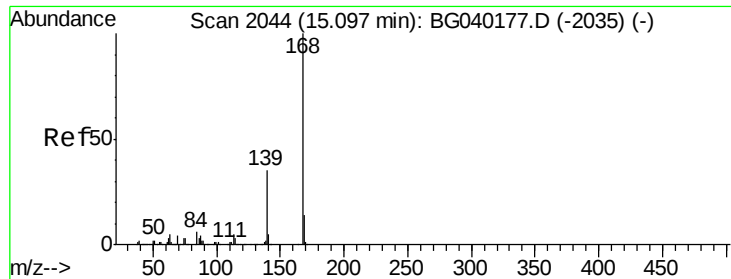
#52
Acenaphthene
Concen: 18.868 ng
RT: 14.75 min Scan# 1984
Delta R.T. -0.02 min
Lab File: BG040340.D
Acq: 4 Apr 2019 00:30

Tgt Ion:154 Resp: 172525
Ion Ratio Lower Upper
154 100
153 116.7 92.8 139.2
152 55.2 43.4 65.2



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

Dibenzenofuran

Concen: 11.332 ng

RT: 15.07 min Scan# 2040

Delta R.T. -0.02 min

Lab File: BG040340.D

Acq: 4 Apr 2019 00:30

Instrument :

BNA_G

ClientSampled :

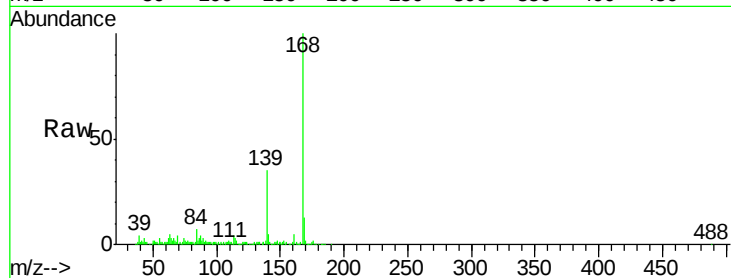
Tot Ion:168 Resp: 166495

Ion Ratio Lower Upper

168 100

139 35.3 27.9 41.9

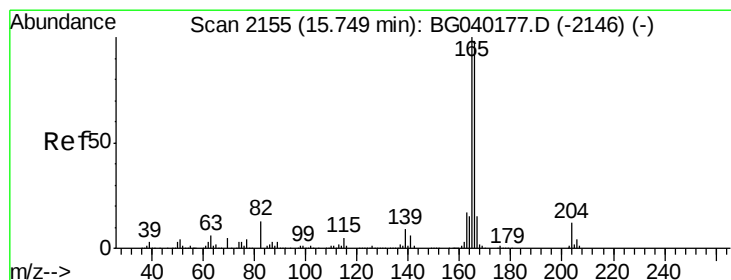
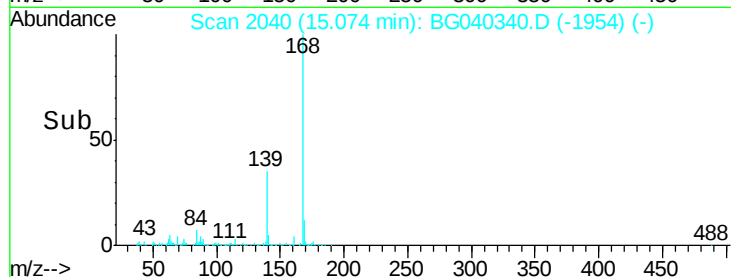
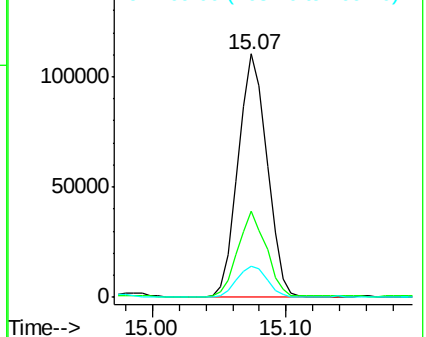
169 12.8 11.3 16.9



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



#58

Fluorene

Concen: 9.849 ng

RT: 15.72 min Scan# 2150

Delta R.T. -0.03 min

Lab File: BG040340.D

Acq: 4 Apr 2019 00:30

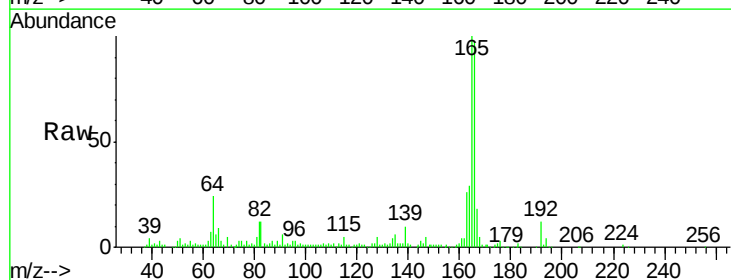
Tgt Ion:166 Resp: 113776

Ion Ratio Lower Upper

166 100

165 102.9 81.7 122.5

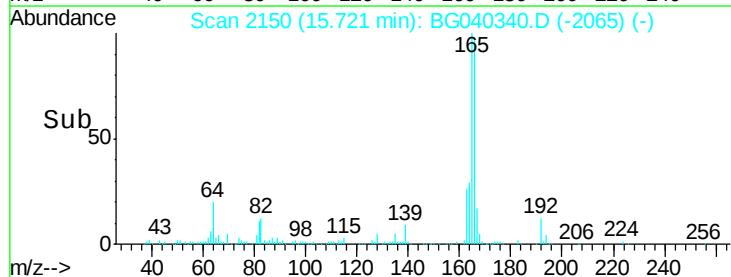
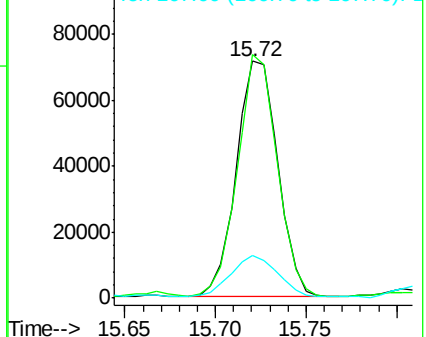
167 18.1 11.9 17.9#

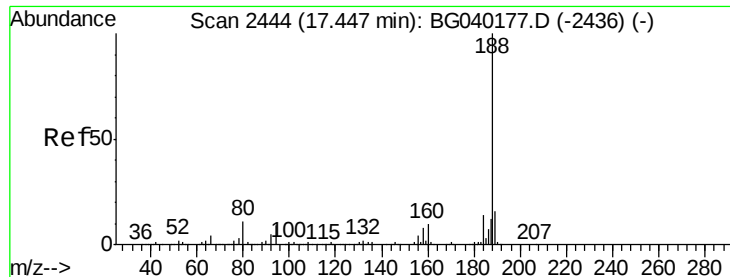


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2440

Delta R.T. -0.02 min

Lab File: BG040340.D

Acq: 4 Apr 2019 00:30

Instrument :

BNA_G

ClientSampleId :

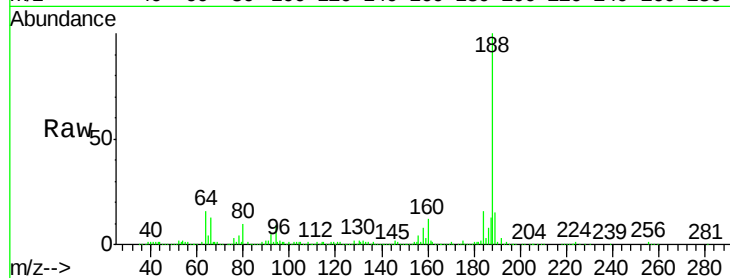
Tot Ion:188 Resp: 372135

Ion Ratio Lower Upper

188 100

94 8.9 7.0 10.4

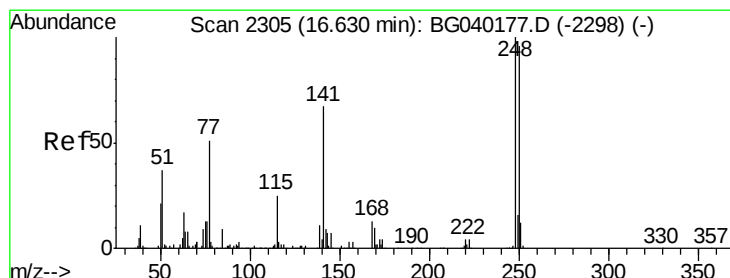
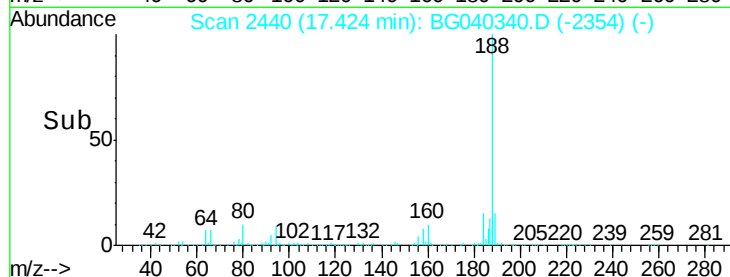
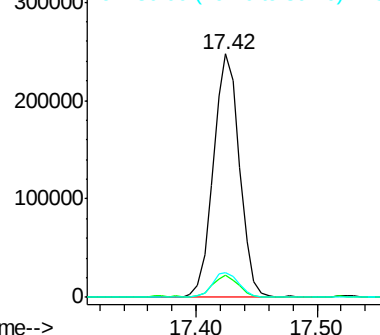
80 10.1 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#67

4-Bromophenyl-phenylether

Concen: 3.791 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.46 min

Lab File: BG040340.D

Acq: 4 Apr 2019 00:30

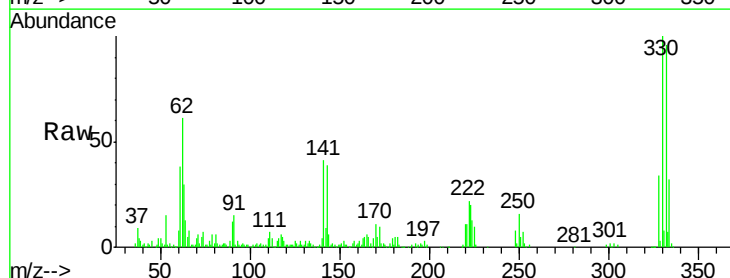
Tgt Ion:248 Resp: 15874

Ion Ratio Lower Upper

248 100

250 193.2 76.4 114.6#

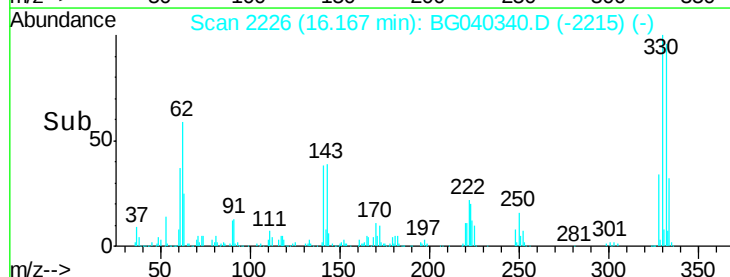
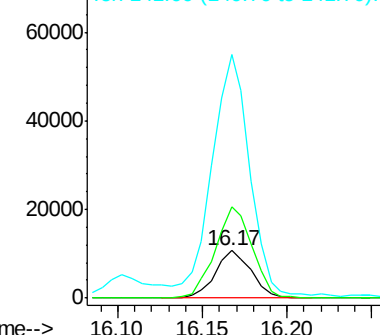
141 512.3 53.8 80.8#

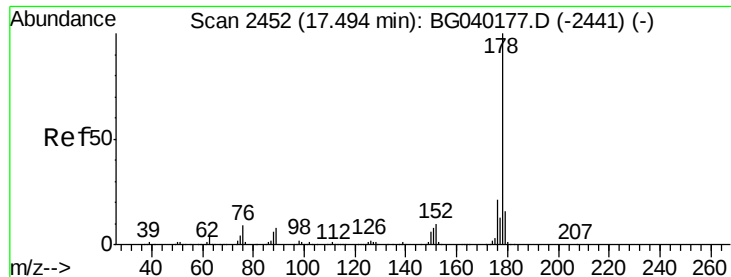


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

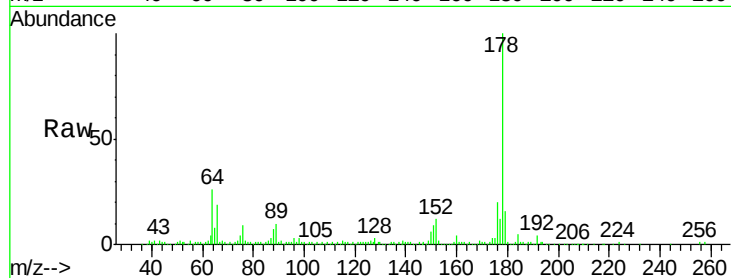




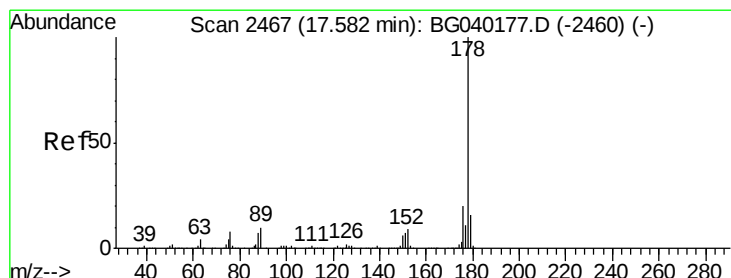
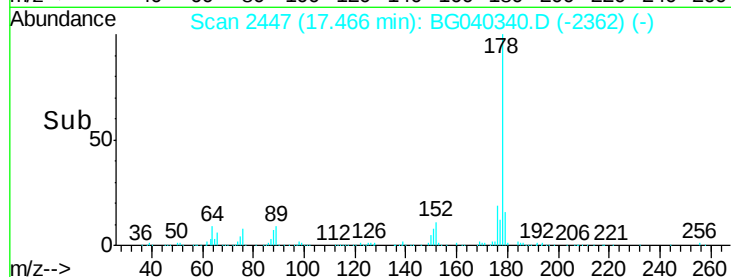
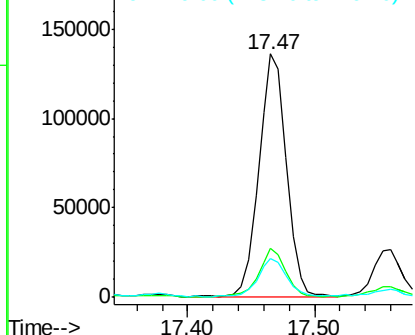
#71
Phenanthrene
Concen: 10.419 ng
RT: 17.47 min Scan# 2447
Delta R.T. -0.03 min
Lab File: BG040340.D
Acq: 4 Apr 2019 00:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:178 Resp: 203798
Ion Ratio Lower Upper
178 100
176 19.9 16.7 25.1
179 16.2 12.8 19.2

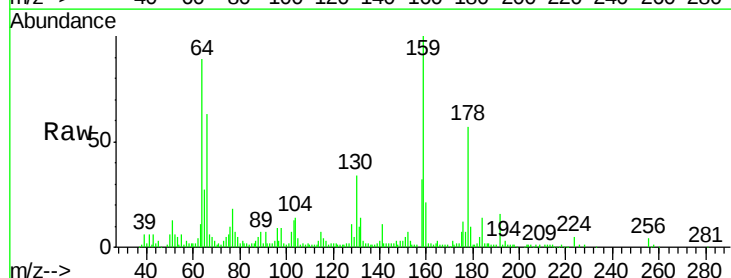


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

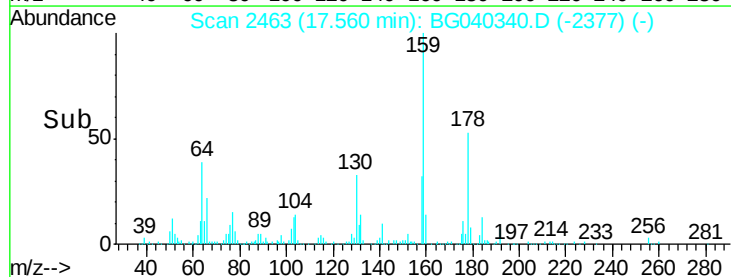
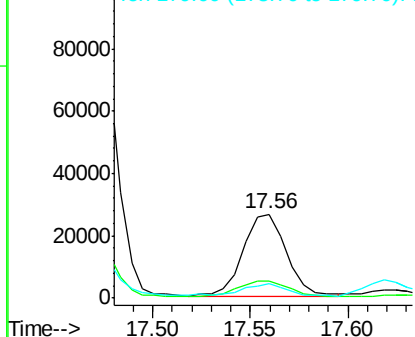


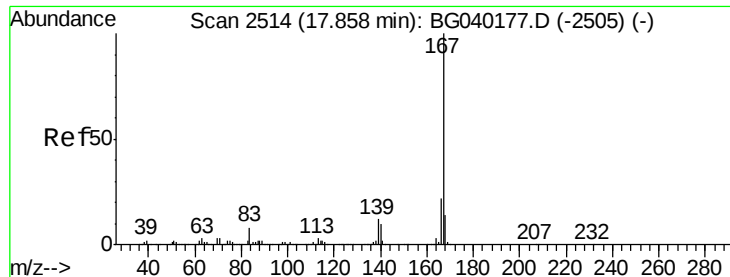
#72
Anthracene
Concen: 2.034 ng
RT: 17.56 min Scan# 2463
Delta R.T. -0.02 min
Lab File: BG040340.D
Acq: 4 Apr 2019 00:30

Tgt Ion:178 Resp: 39819
Ion Ratio Lower Upper
178 100
176 20.8 15.9 23.9
179 17.0 12.9 19.3



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





#73

Carbazole

Concen: 17.230 ng

RT: 17.84 min Scan# 2510

Delta R.T. -0.02 min

Lab File: BG040340.D

Acq: 4 Apr 2019 00:30

Instrument :

BNA_G

ClientSampleId :

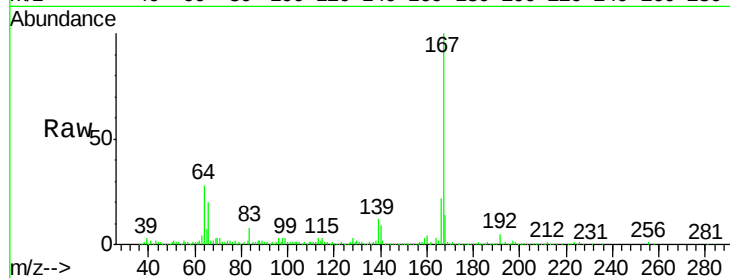
Tot Ion:167 Resp: 319239

Ion Ratio Lower Upper

167 100

166 22.4 17.5 26.3

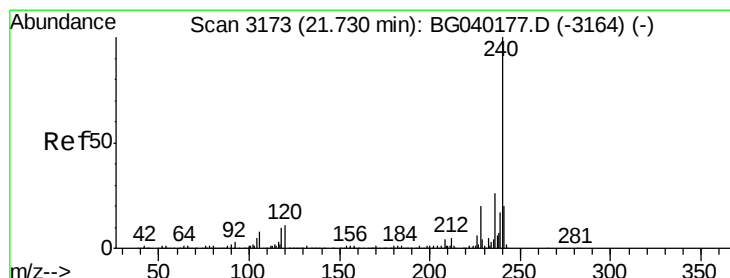
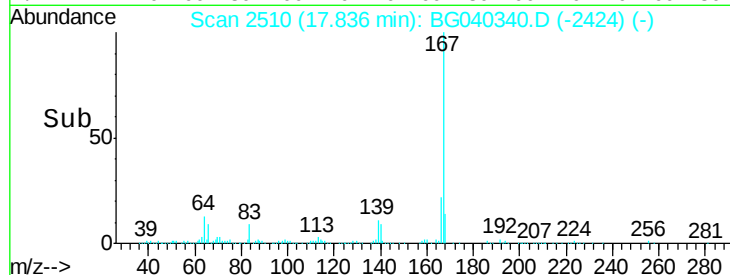
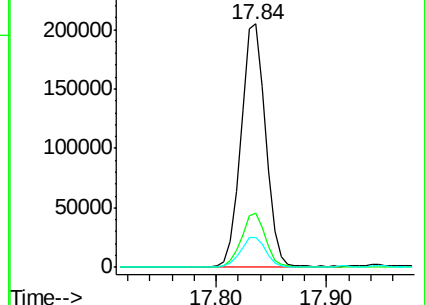
139 12.3 10.0 15.0



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3167

Delta R.T. -0.03 min

Lab File: BG040340.D

Acq: 4 Apr 2019 00:30

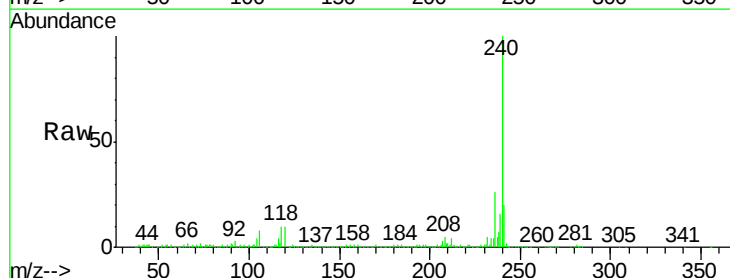
Tgt Ion:240 Resp: 399696

Ion Ratio Lower Upper

240 100

120 10.4 8.4 12.6

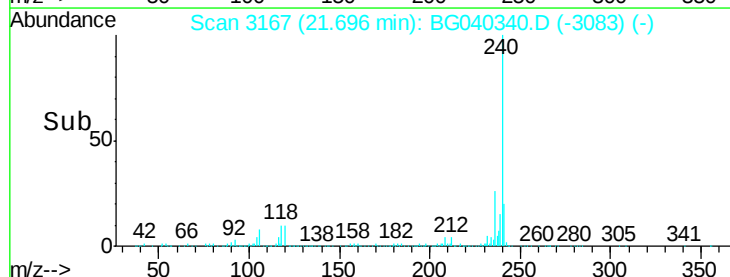
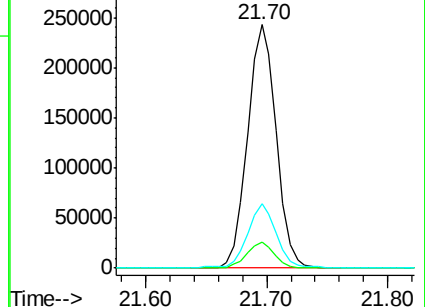
236 26.4 20.8 31.2

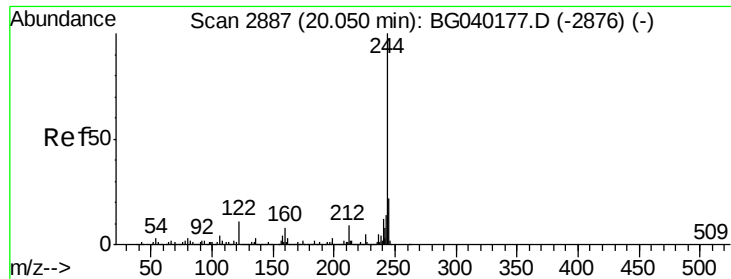


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 61.339 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.02 min

Lab File: BG040340.D

Acq: 4 Apr 2019 00:30

Instrument :

BNA_G

ClientSampleId :

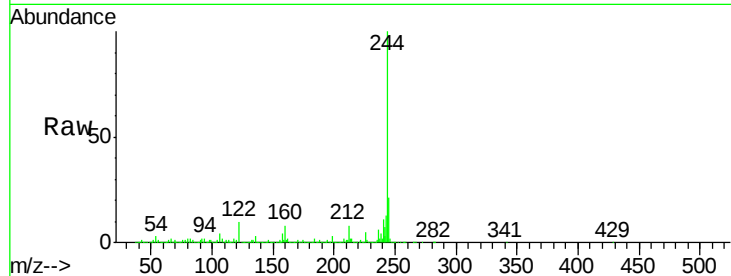
Tot Ion:244 Resp: 1089805

Ion Ratio Lower Upper

244 100

212 8.0 7.0 10.6

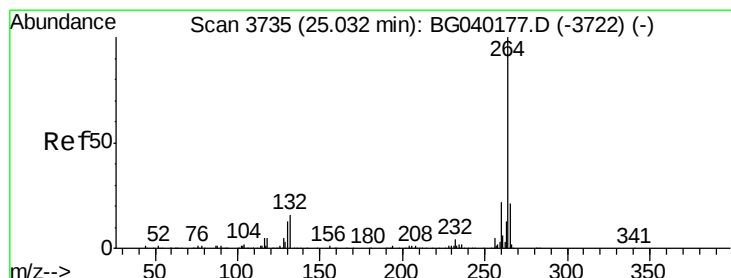
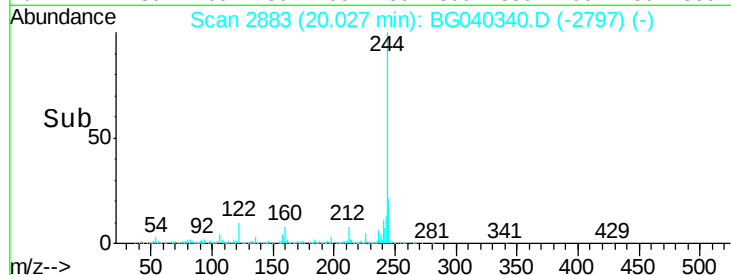
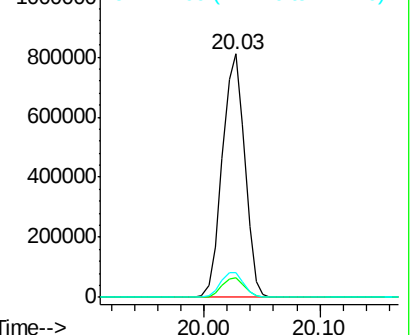
122 10.2 8.5 12.7



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.97 min Scan# 3725

Delta R.T. -0.06 min

Lab File: BG040340.D

Acq: 4 Apr 2019 00:30

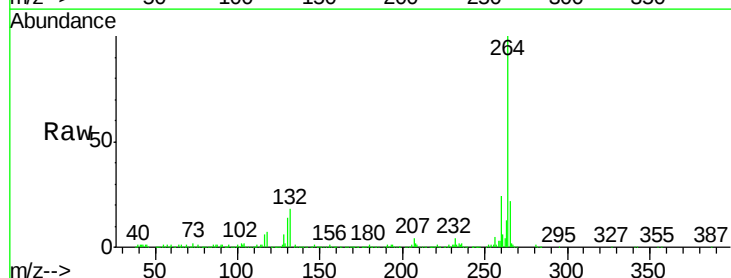
Tgt Ion:264 Resp: 410172

Ion Ratio Lower Upper

264 100

260 24.2 17.9 26.9

265 21.7 16.8 25.2



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

