

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 :
 QNWP8-MW27S-GW

Quant Time: Apr 04 03:31:44 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

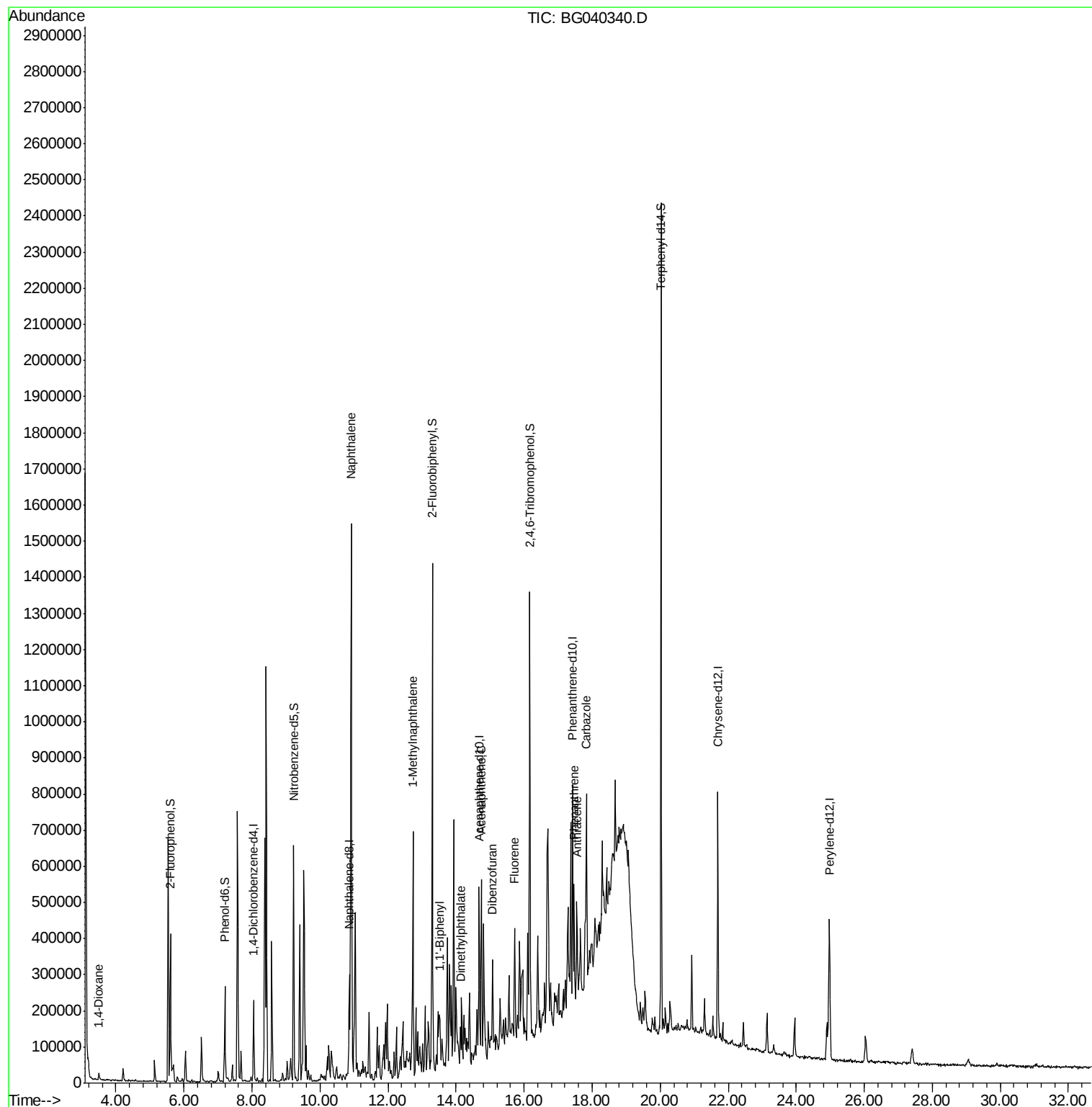
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	61636	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	248704	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	155290	20.00	ng	-0.02
64) Phenanthrene-d10	17.42	188	372135	20.00	ng	-0.02
76) Chrysene-d12	21.70	240	399696	20.00	ng	-0.03
87) Perylene-d12	24.97	264	410172	20.00	ng	-0.06
System Monitoring Compounds						
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						
2) 1,4-Dioxane	3.50	88	10251	5.880	ng	Qvalue # 94
31) Naphthalene	10.91	128	1258341	98.710	ng	99
38) 1-Methylnaphthalene	12.73	142	320329	35.038	ng	98
46) 1,1'-Biphenyl	13.51	154	34552	2.816	ng	99
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
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

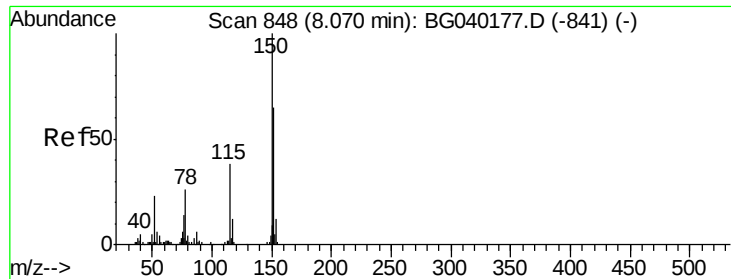
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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 :

QNWP8-MW27S-GW

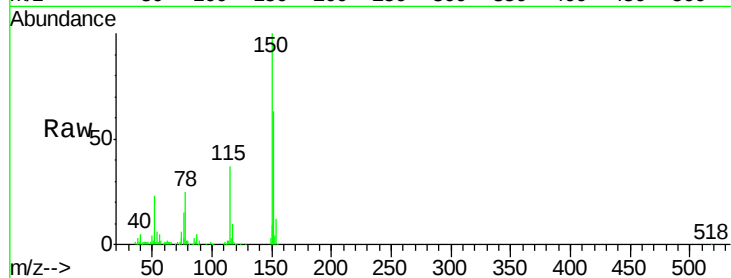
Tgt Ion:152 Resp: 61636

Ion Ratio Lower Upper

152 100

150 160.0 123.7 185.5

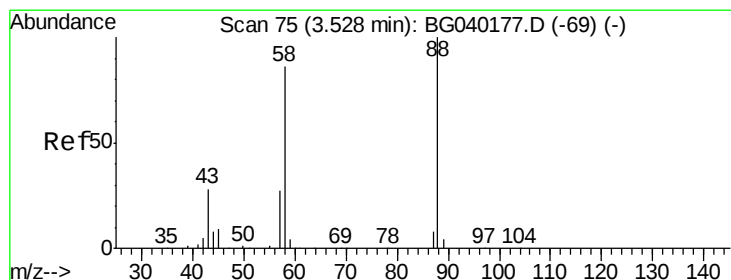
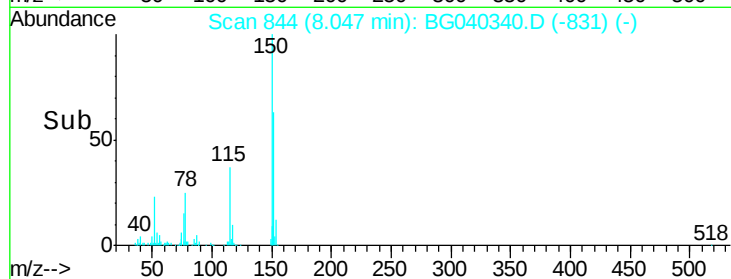
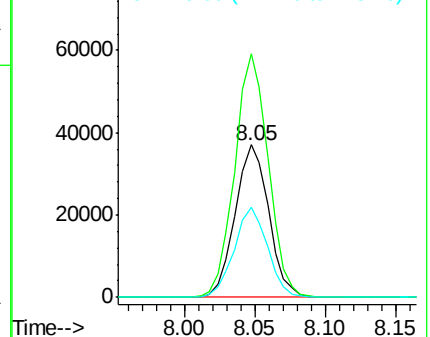
115 58.9 46.9 70.3



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

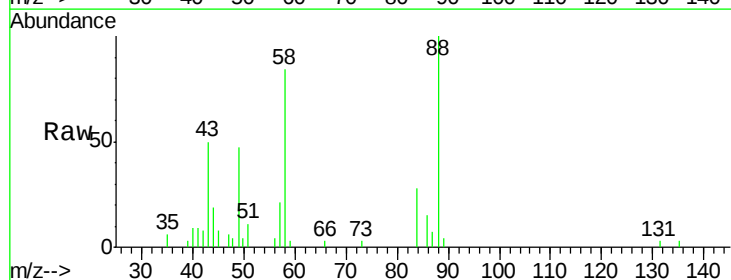
Tgt Ion: 88 Resp: 10251

Ion Ratio Lower Upper

88 100

58 86.1 70.6 106.0

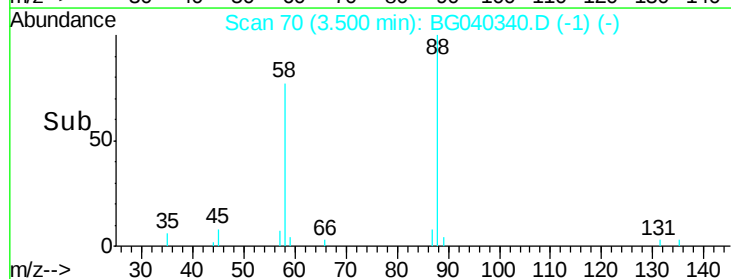
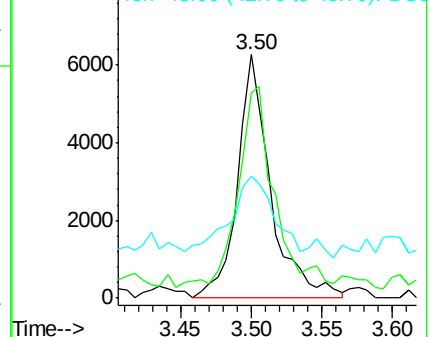
43 39.2 24.8 37.2#

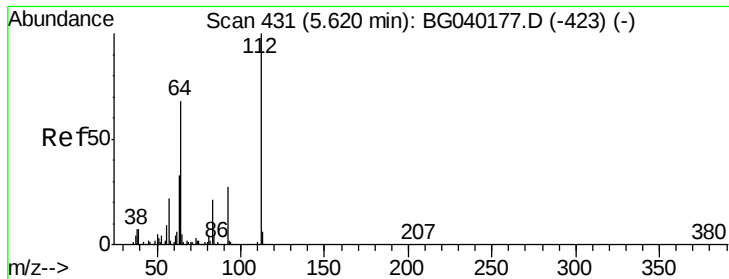


Abundance Ion 88.00 (87.70 to 88.70): BGC

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

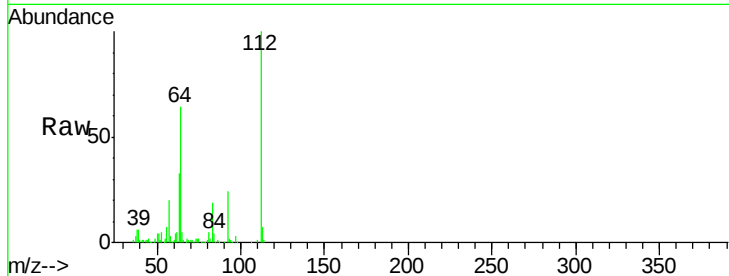
Instrument :

BNA_G

ClientSampleId :

QNWP8-MW27S-GW

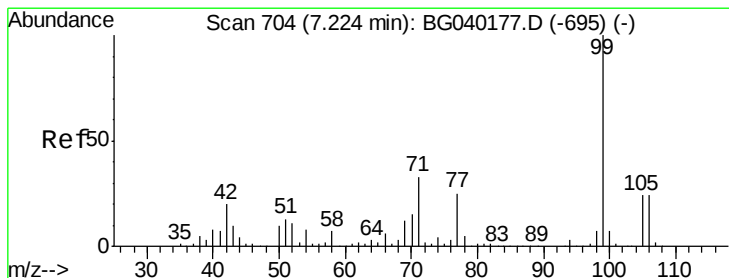
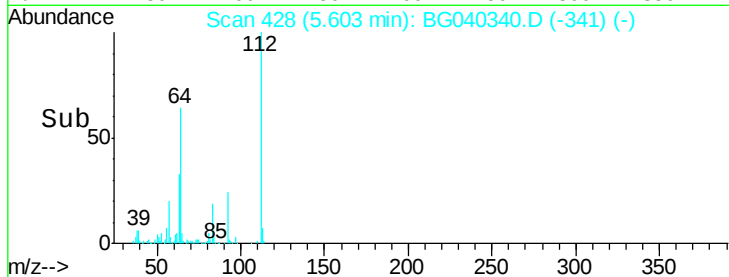
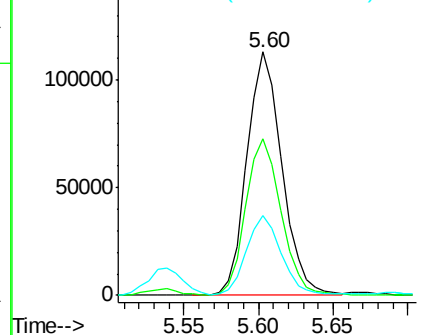
Tgt Ion:	112	Resp:	183803
Ion	Ratio	Lower	Upper
112	100		
64	64.1	54.2	81.2
63	32.6	26.4	39.6



Abundance Ion 112.00 (111.70 to 112.70): BGC

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

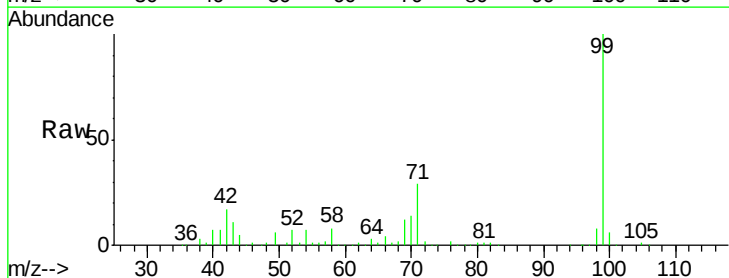
RT: 7.20 min Scan# 700

Delta R.T. -0.02 min

Lab File: BG040340.D

Acq: 4 Apr 2019 00:30

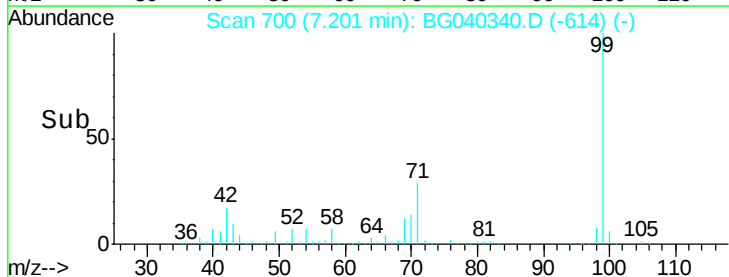
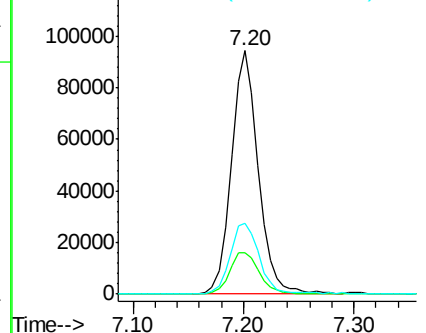
Tgt Ion:	99	Resp:	160826
Ion	Ratio	Lower	Upper
99	100		
42	16.9	16.2	24.2
71	29.1	26.8	40.2

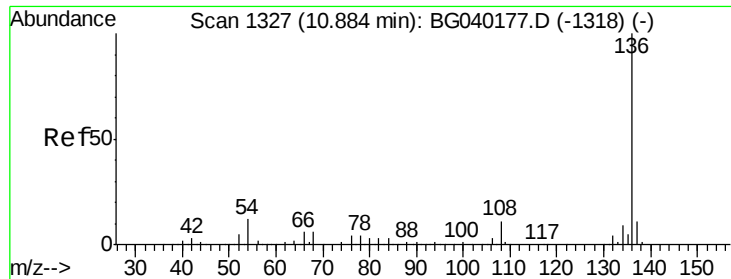


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

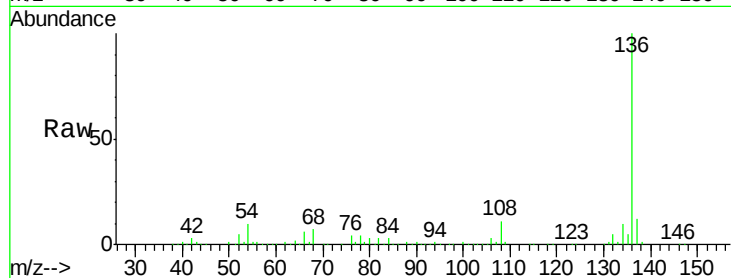




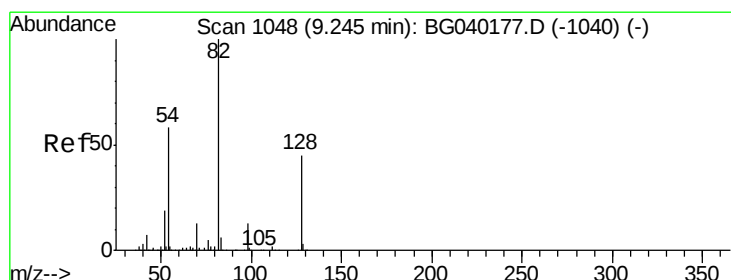
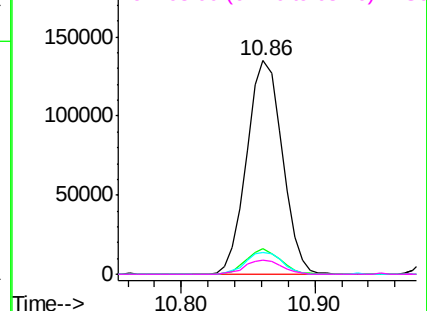
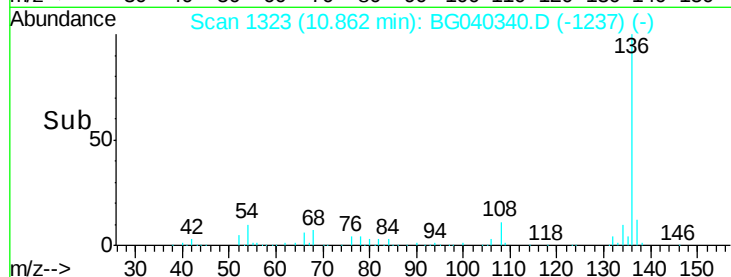
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG040340.D
Acq: 4 Apr 2019 00:30

Instrument :
BNA_G
ClientSampleId :
QNWP8-MW27S-GW

Tgt 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

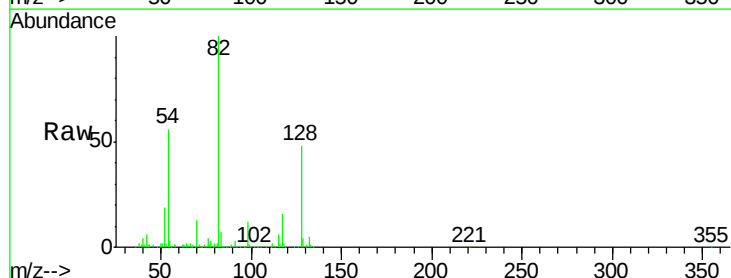


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

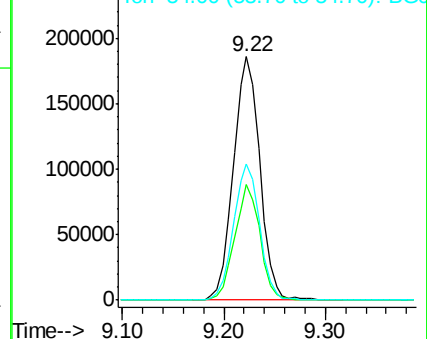
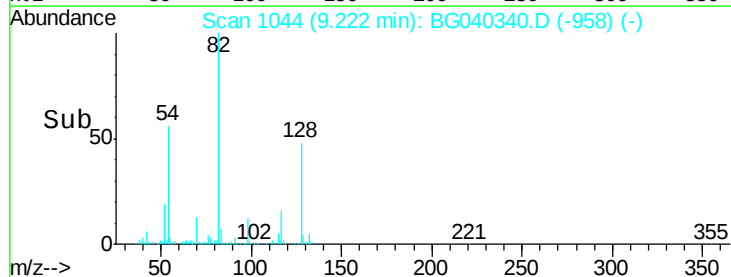


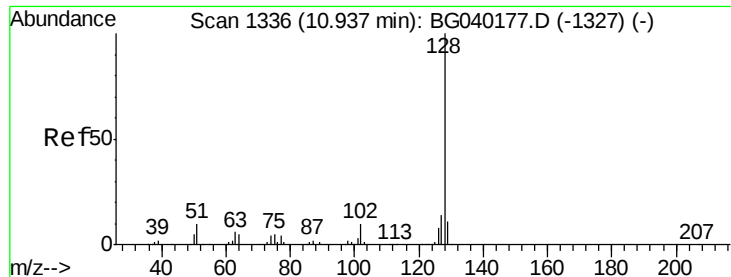
#23
Nitrobenzene-d5
Concen: 71.738 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG040340.D
Acq: 4 Apr 2019 00:30

Tgt Ion:	82	Resp:	335662
Ion	Ratio	Lower	Upper
82	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

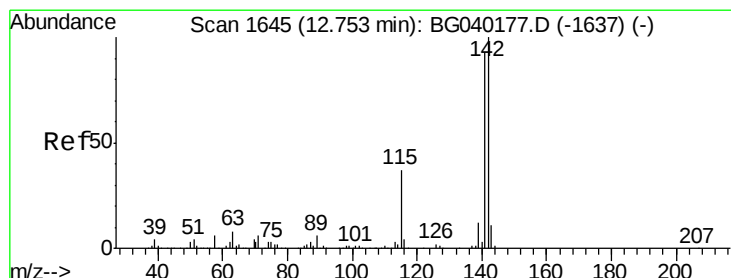
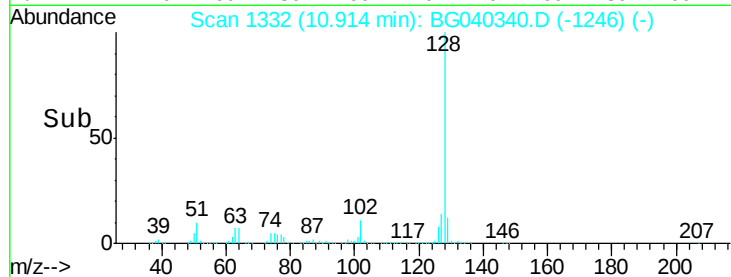
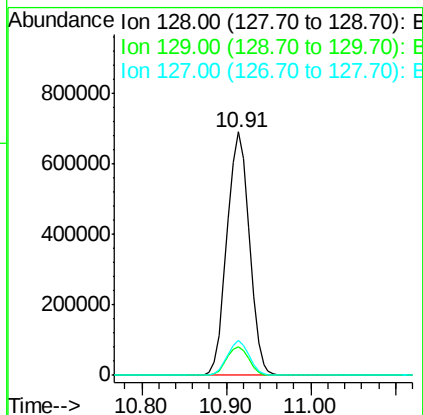
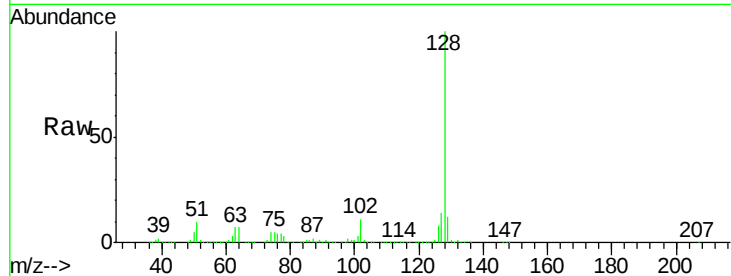




#31
Naphthalene
Concen: 98.710 ng
RT: 10.91 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BG040340.D
Acq: 4 Apr 2019 00:30

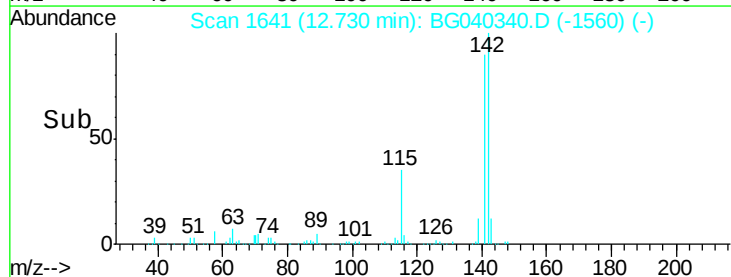
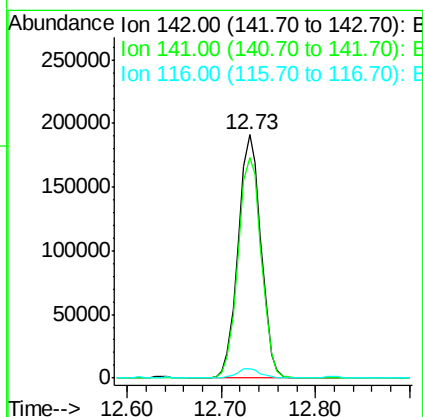
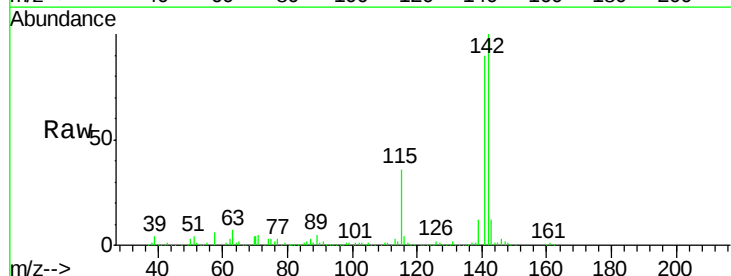
Instrument :
BNA_G
ClientSampleId :
QNWP8-MW27S-GW

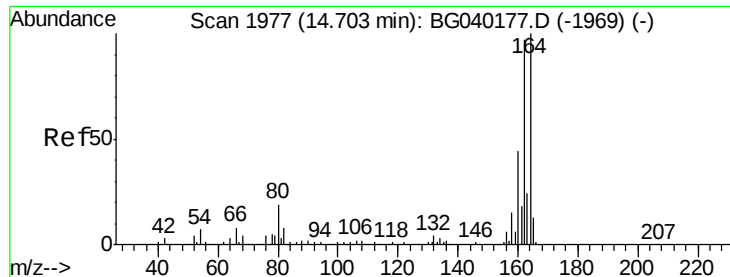
Tgt Ion:128 Resp: 1258341
Ion Ratio Lower Upper
128 100
129 11.7 8.9 13.3
127 14.2 11.4 17.0



#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

Tgt 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

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW27S-GW

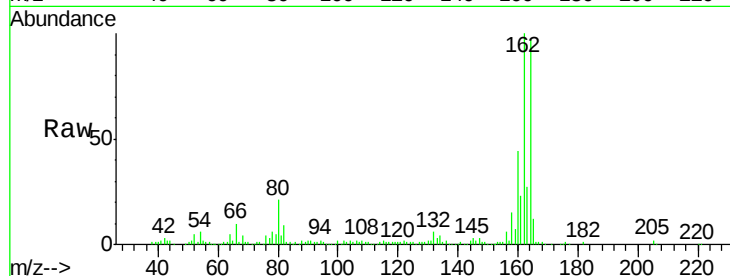
Tgt Ion:164 Resp: 155290

Ion Ratio Lower Upper

164 100

162 103.4 77.4 116.2

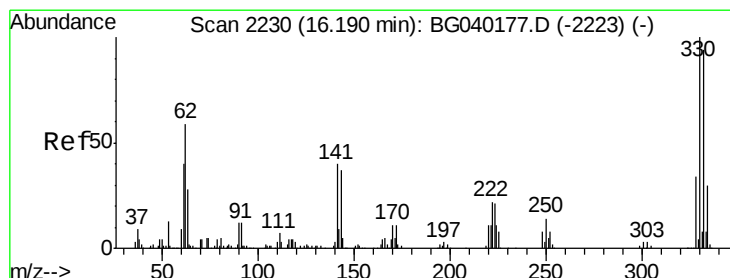
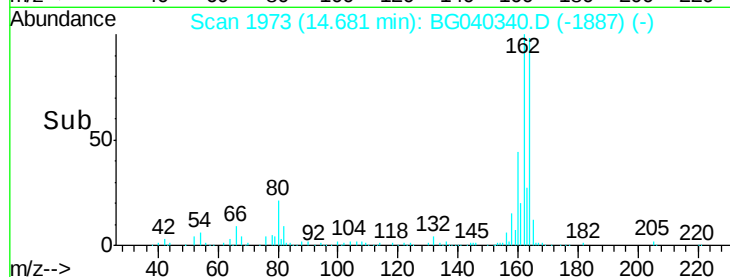
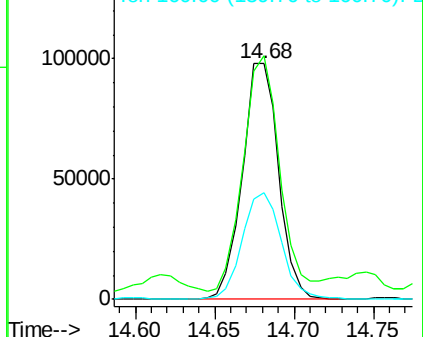
160 45.2 35.3 52.9



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



#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

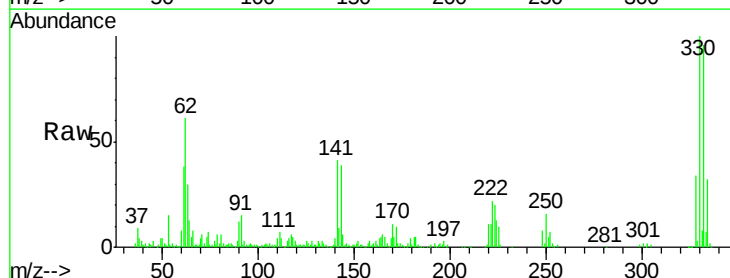
Tgt Ion:330 Resp: 208908

Ion Ratio Lower Upper

330 100

332 95.5 76.6 115.0

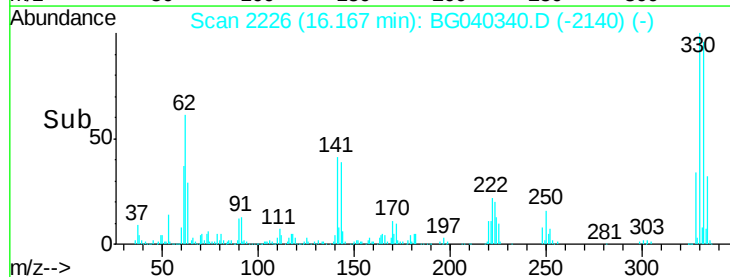
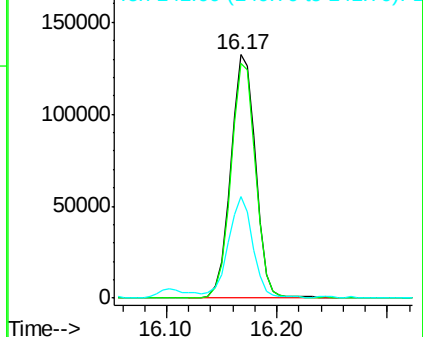
141 40.8 32.6 48.8

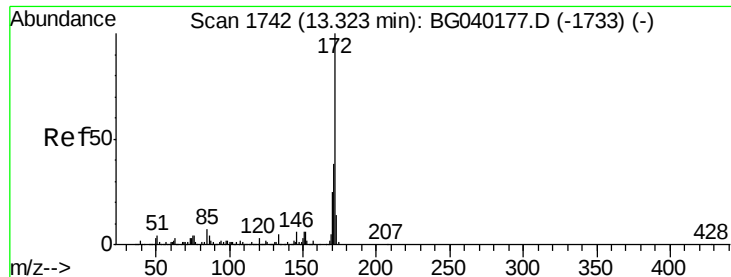


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

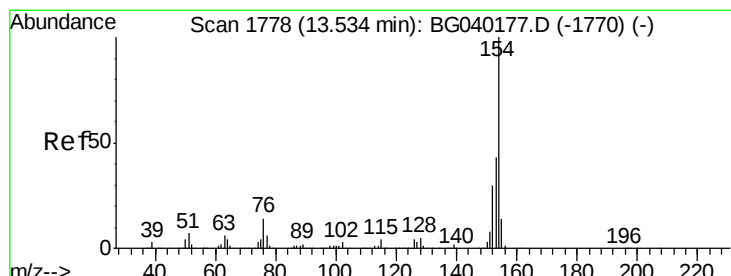
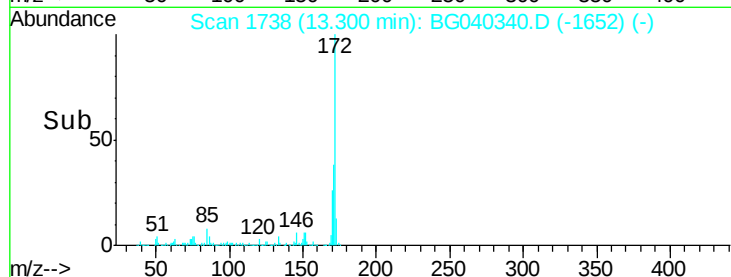
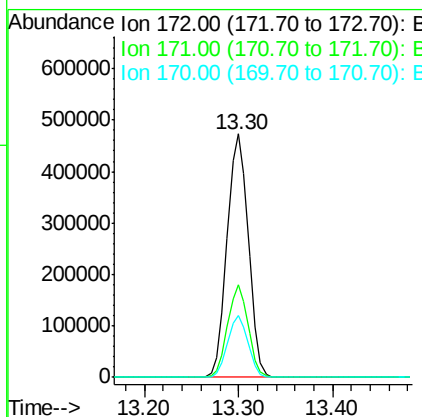
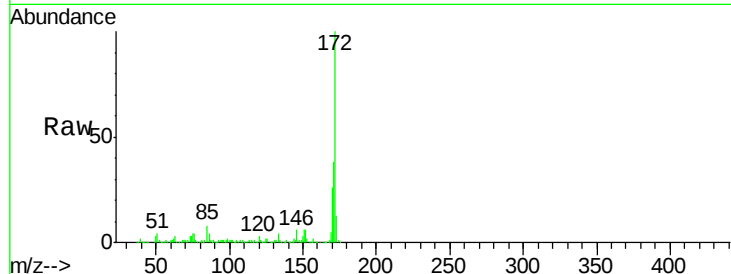




#45
2-Fluorobiphenyl
Concen: 70.952 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.02 min
Lab File: BG040340.D
Acq: 4 Apr 2019 00:30

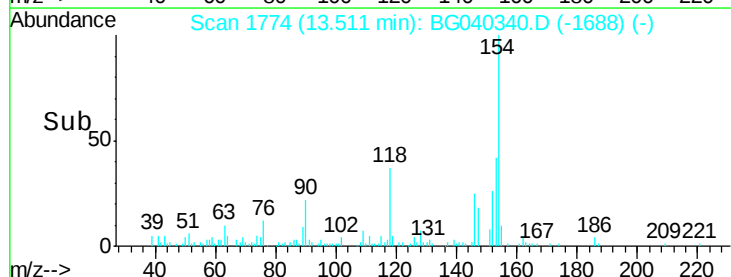
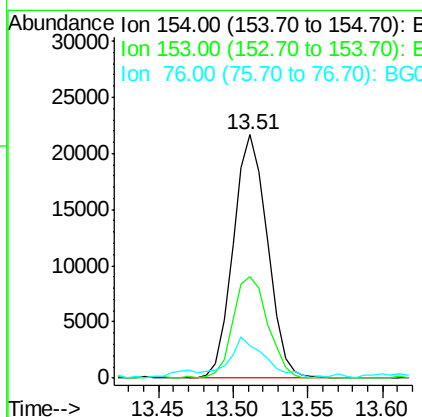
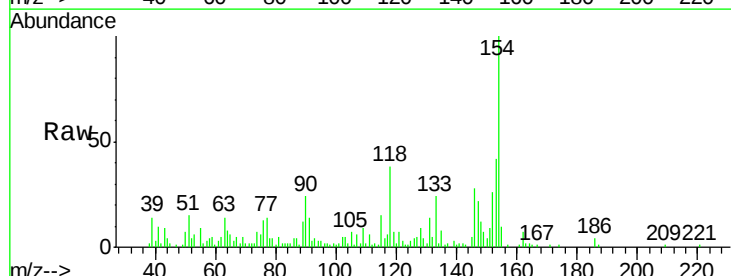
Instrument :
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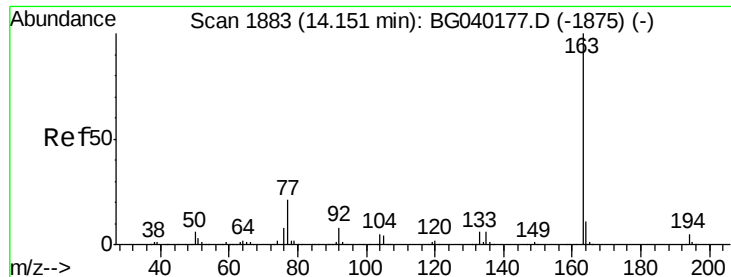
Tgt Ion:172 Resp: 743587
Ion Ratio Lower Upper
172 100
171 37.8 30.5 45.7
170 25.5 20.1 30.1



#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

Tgt Ion:154 Resp: 34552
Ion Ratio Lower Upper
154 100
153 41.8 22.5 62.5
76 13.3 0.0 33.7

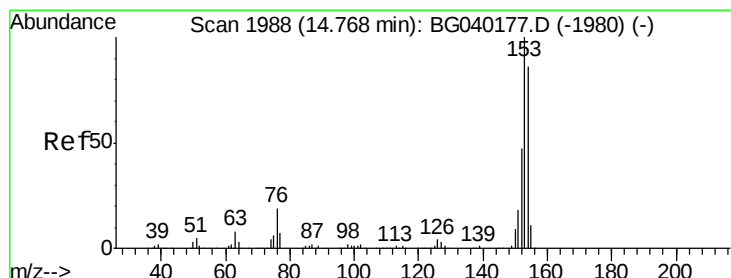
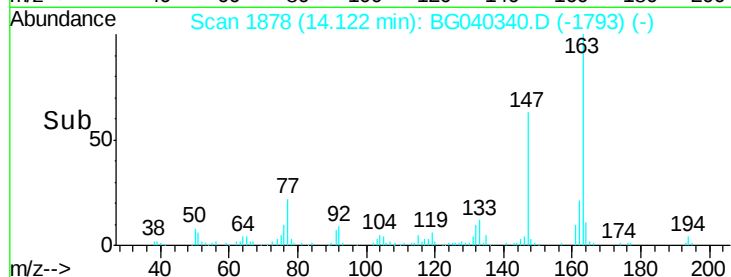
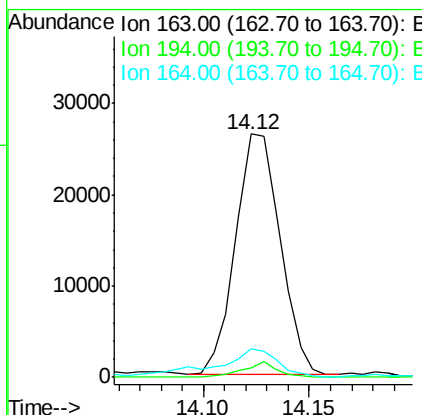
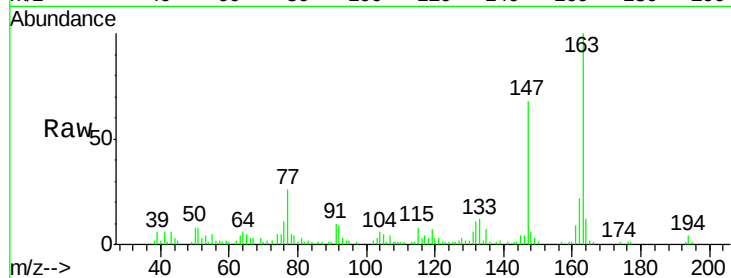




#50
Dimethylphthalate
Concen: 3.204 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.03 min
Lab File: BG040340.D
Acq: 4 Apr 2019 00:30

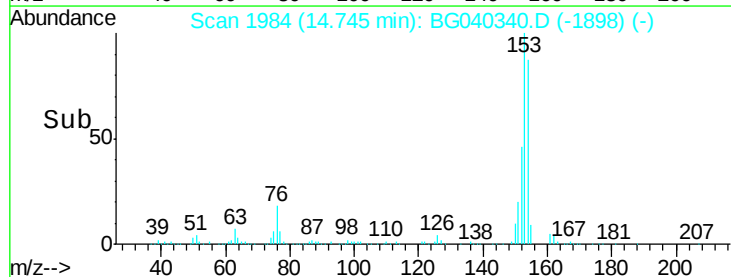
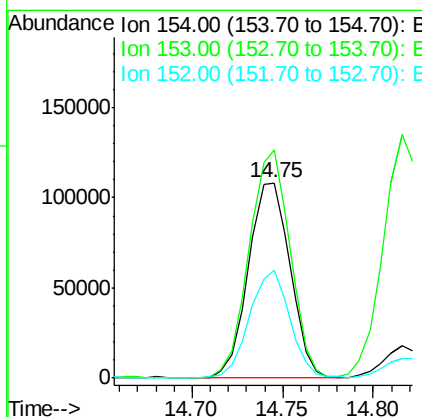
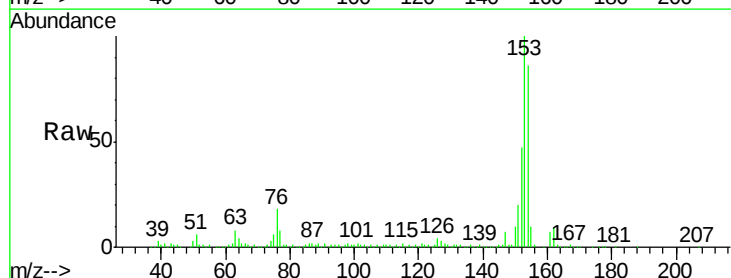
Instrument :
BNA_G
ClientSampleId :
QNWP8-MW27S-GW

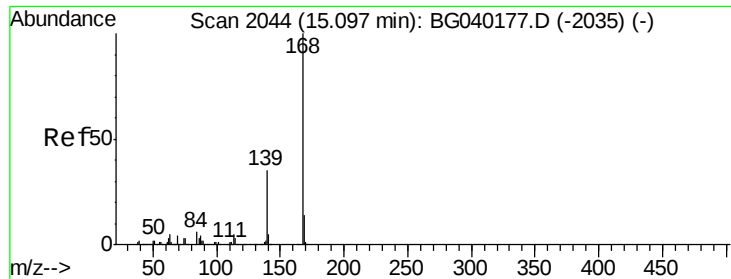
Tgt Ion:163 Resp: 38937
Ion Ratio Lower Upper
163 100
194 3.9 4.1 6.1#
164 11.8 8.6 13.0



#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





#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

ClientSampleId :

QNWP8-MW27S-GW

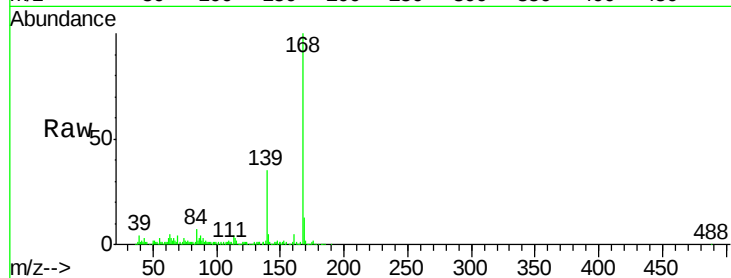
Tgt Ion:168 Resp: 166495

Ion Ratio Lower Upper

168 100

139 35.3 27.9 41.9

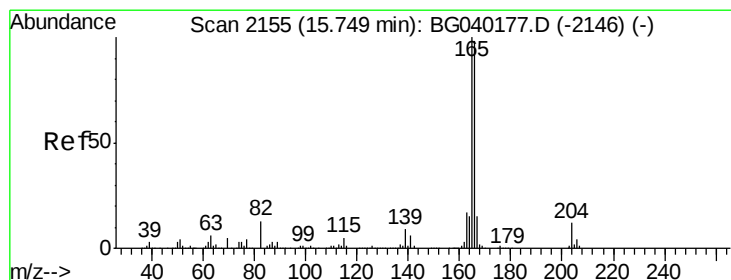
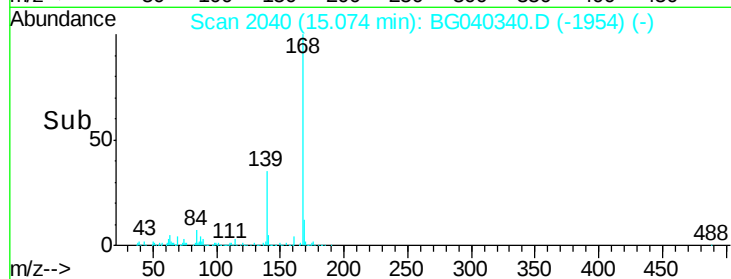
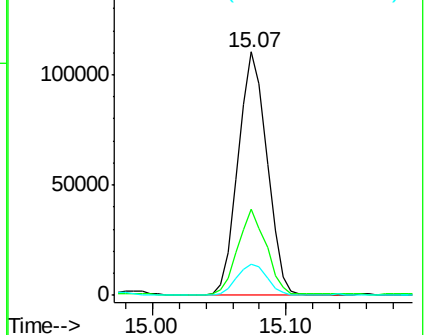
169 12.8 11.3 16.9



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

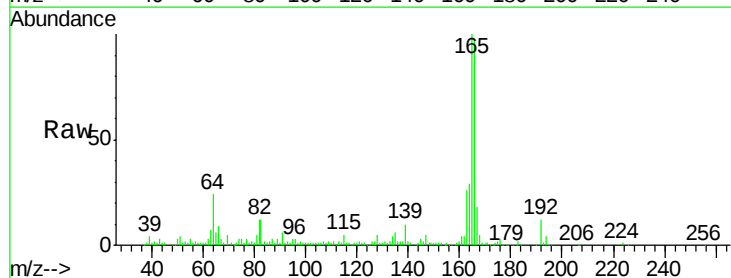
Tgt Ion:166 Resp: 113776

Ion Ratio Lower Upper

166 100

165 102.9 81.7 122.5

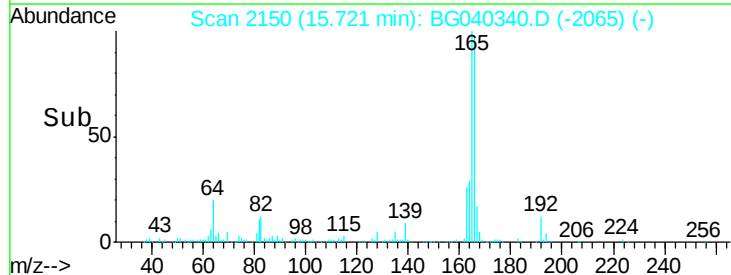
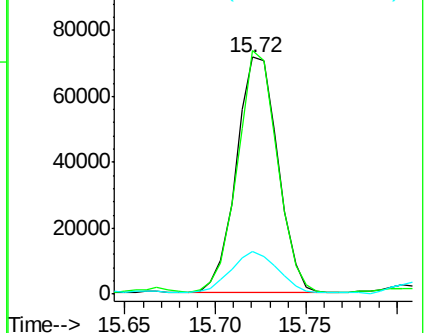
167 18.1 11.9 17.9#

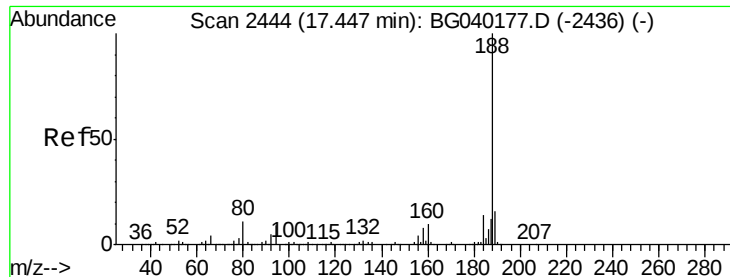


Abundance Ion 166.00 (165.70 to 166.70): E

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 :

QNWP8-MW27S-GW

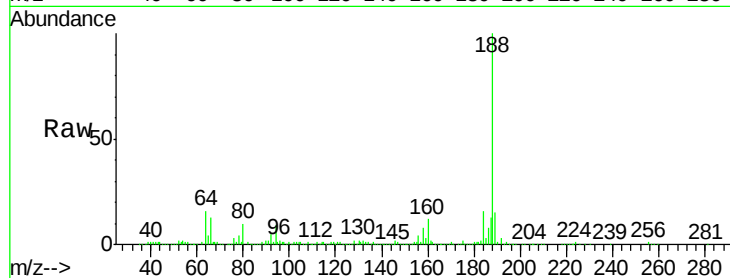
Tgt Ion:188 Resp: 372135

Ion Ratio Lower Upper

188 100

94 8.9 7.0 10.4

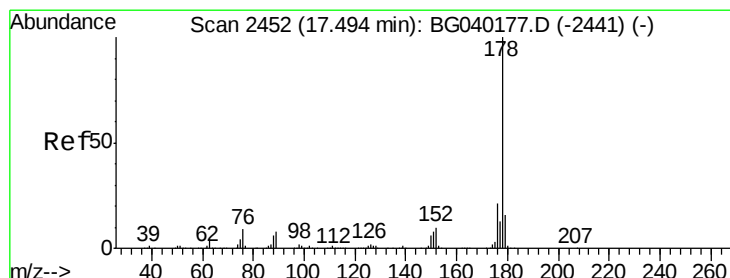
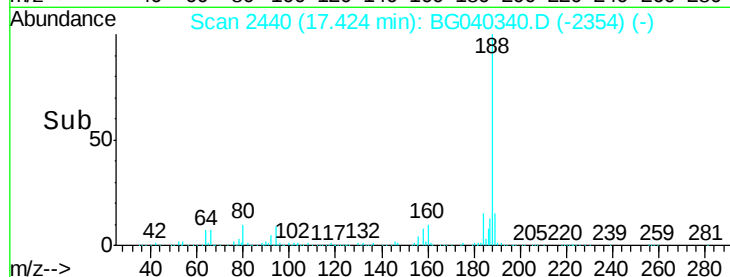
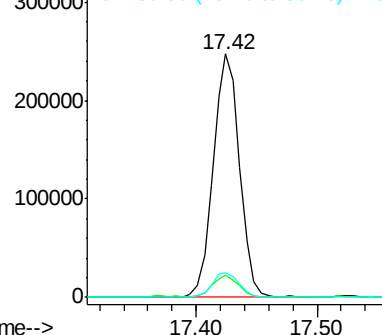
80 10.1 8.6 13.0



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



#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

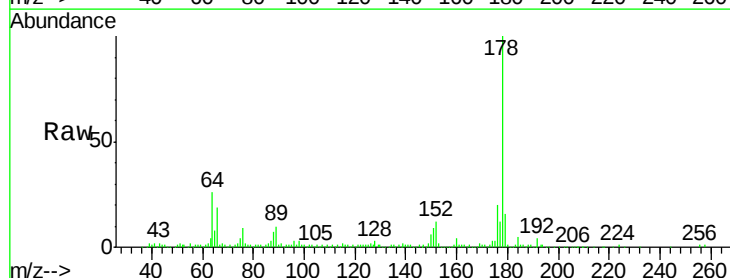
Tgt Ion:178 Resp: 203798

Ion Ratio Lower Upper

178 100

176 19.9 16.7 25.1

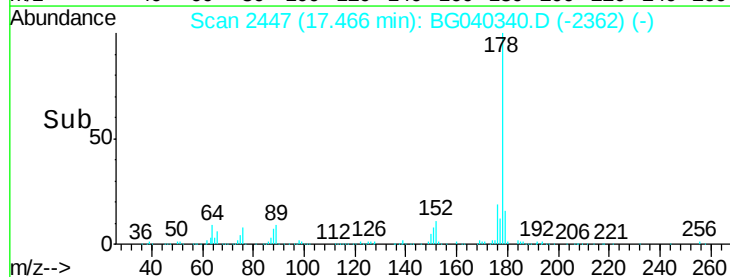
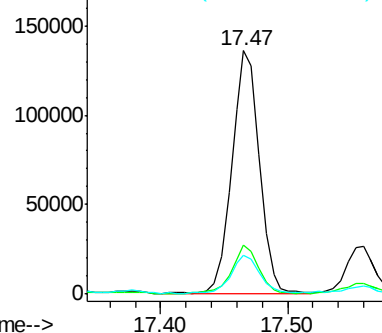
179 16.2 12.8 19.2

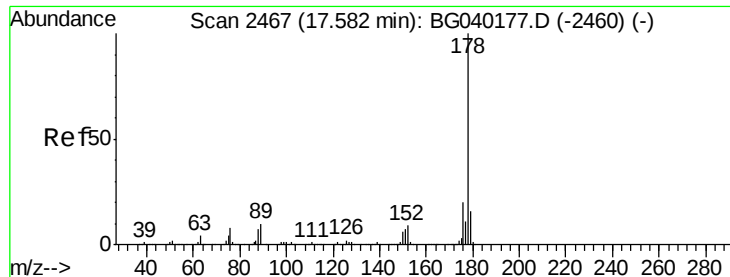


Abundance Ion 178.00 (177.70 to 178.70): E

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

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW27S-GW

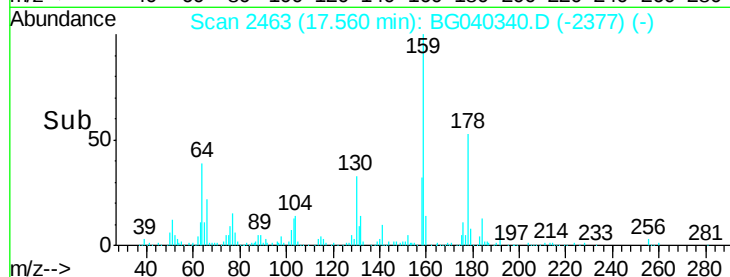
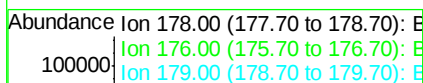
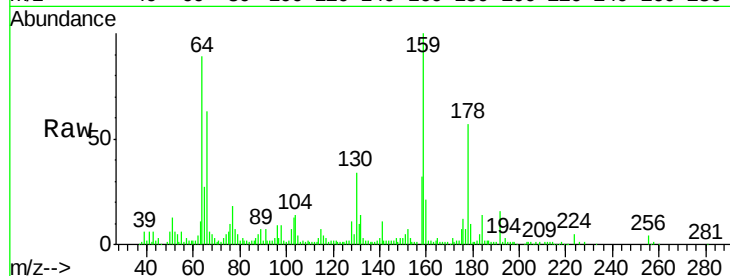
Tgt Ion:178 Resp: 39819

Ion Ratio Lower Upper

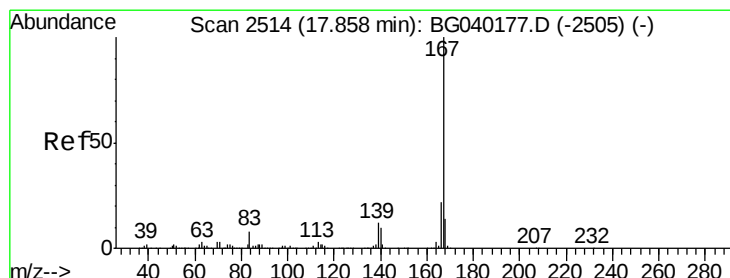
178 100

176 20.8 15.9 23.9

179 17.0 12.9 19.3



Time-->



#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

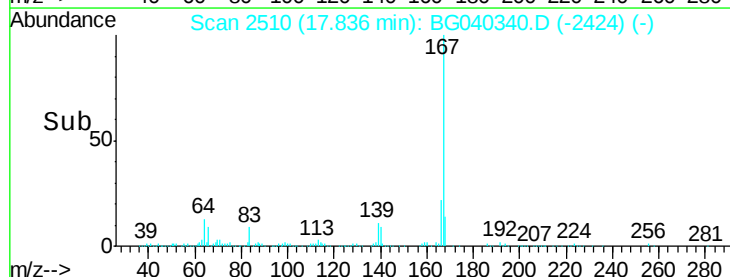
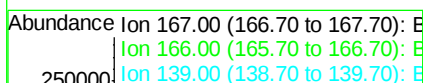
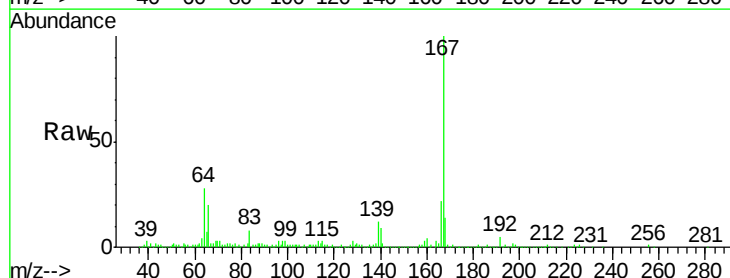
Tgt Ion:167 Resp: 319239

Ion Ratio Lower Upper

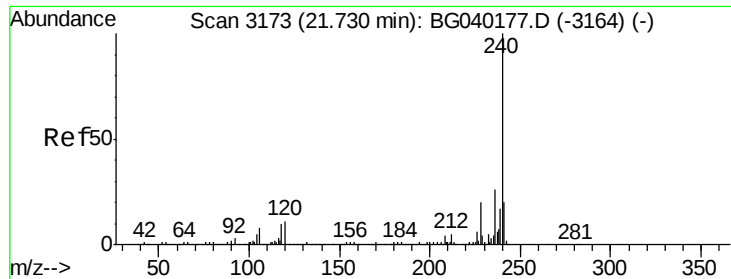
167 100

166 22.4 17.5 26.3

139 12.3 10.0 15.0



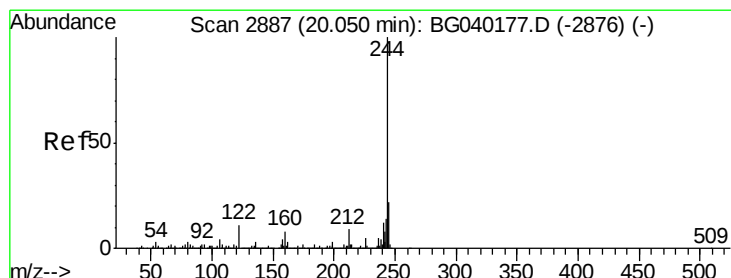
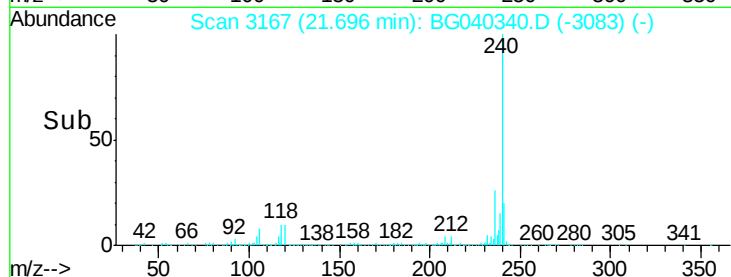
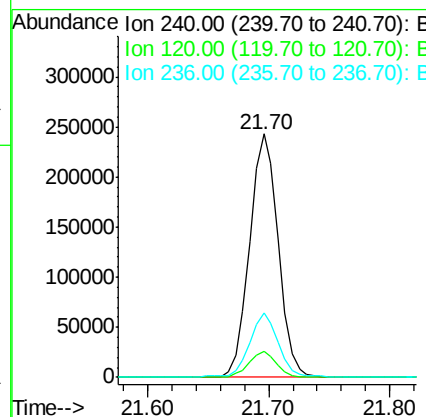
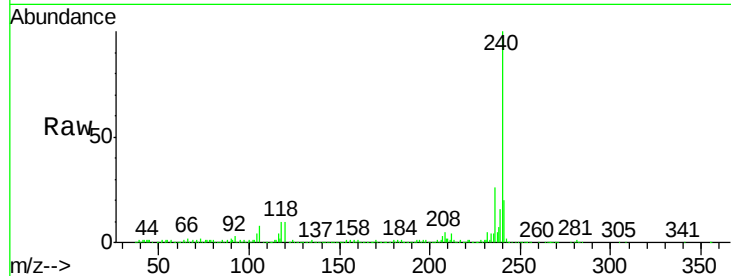
Time-->



#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

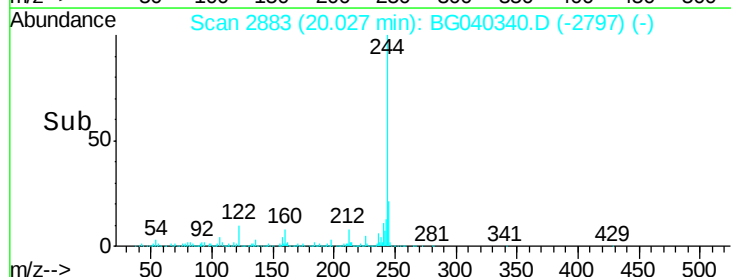
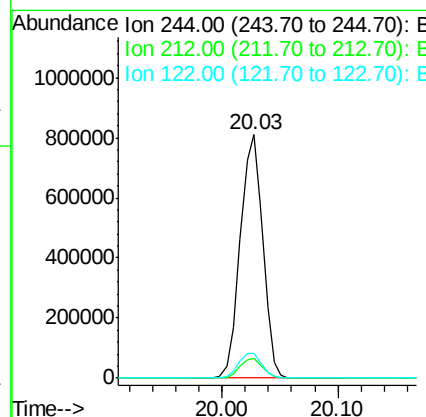
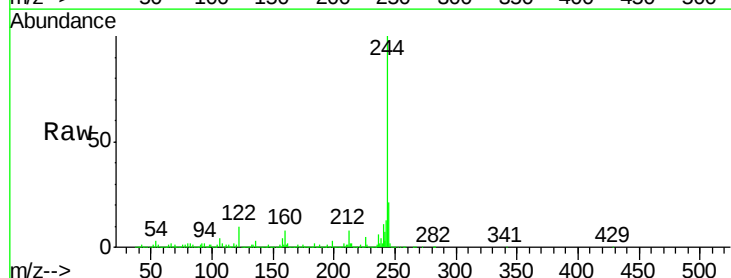
Instrument :
BNA_G
ClientSampleId :
QNWP8-MW27S-GW

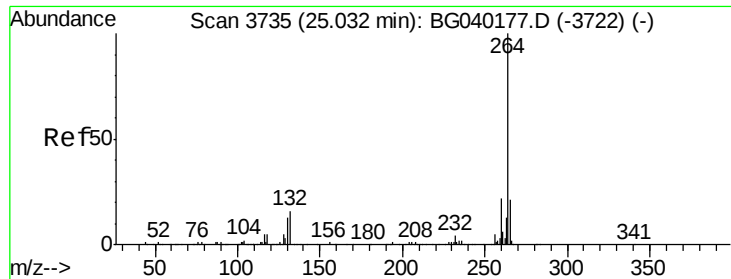
Tgt Ion:240 Resp: 399696
Ion Ratio Lower Upper
240 100
120 10.4 8.4 12.6
236 26.4 20.8 31.2



#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

Tgt Ion:244 Resp: 1089805
Ion Ratio Lower Upper
244 100
212 8.0 7.0 10.6
122 10.2 8.5 12.7





#87

Perylene-d12

Concen: 20.000 ng

RT: 24.97 min Scan# 3725

Delta R.T. -0.06 min

Lab File: BG040340.D

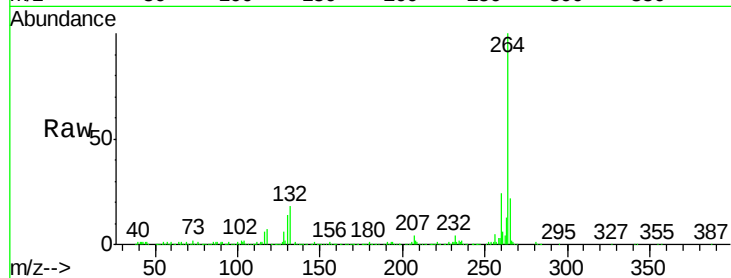
Acq: 4 Apr 2019 00:30

Instrument :

BNA_G

ClientSampleId :

QNWP8-MW27S-GW



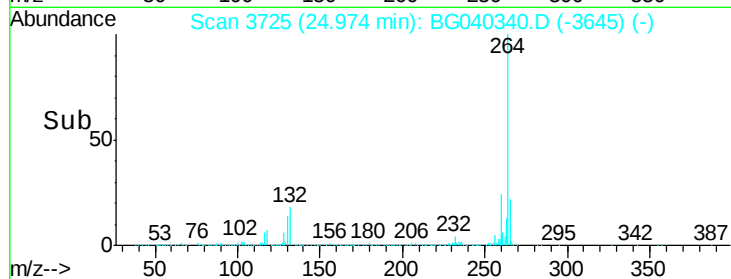
Tgt Ion: 264 Resp: 410172

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

