

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG040319\
 Data File : BG040341.D
 Acq On : 4 Apr 2019 1:11
 Operator : JU/SJ
 Sample : K2176-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 04 03:12:00 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	65687	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	254717	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	155834	20.00	ng	-0.02
64) Phenanthrene-d10	17.42	188	367890	20.00	ng	-0.02
76) Chrysene-d12	21.69	240	398906	20.00	ng	-0.04
87) Perylene-d12	24.97	264	423103	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	226381	57.29	ng	-0.02
7) Phenol-d6	7.20	99	192527	35.26	ng	-0.02
23) Nitrobenzene-d5	9.22	82	402720	84.04	ng	-0.02
42) 2,4,6-Tribromophenol	16.17	330	232064	137.79	ng	-0.02
45) 2-Fluorobiphenyl	13.30	172	893084	84.92	ng	-0.02
79) Terphenyl-d14	20.03	244	1327341	74.86	ng	-0.02

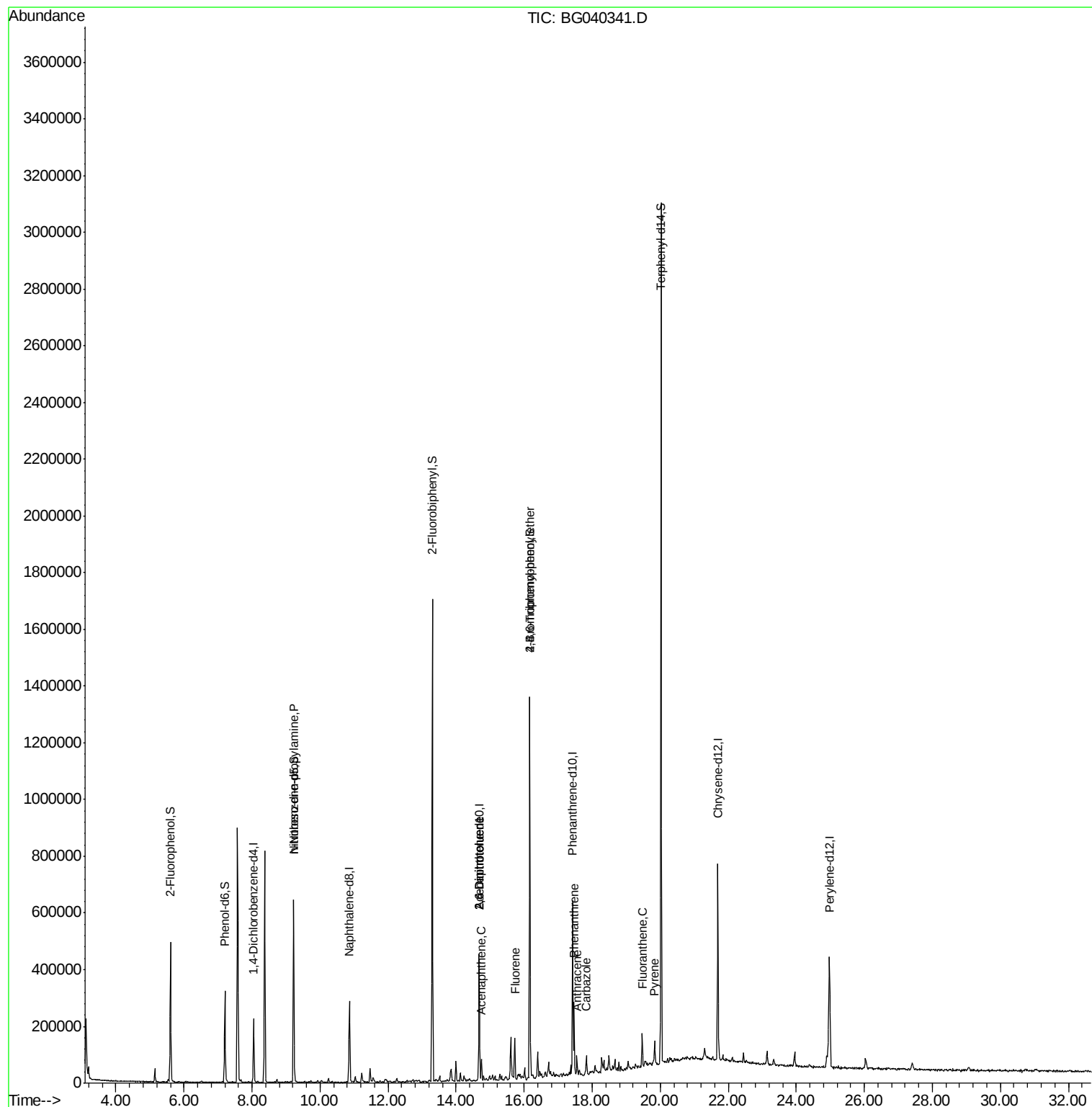
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.22	70	49636	12.678	ng	# 71
51) 2,6-Dinitrotoluene	14.68	165	20515	7.491	ng	# 25
52) Acenaphthene	14.74	154	28195	3.073	ng	96
57) 2,4-Dinitrotoluene	14.68	165	20515	5.391	ng	# 25
58) Fluorene	15.73	166	66516	5.738	ng	97
67) 4-Bromophenyl-phenylether	16.17	248	18175	4.390	ng	# 1
71) Phenanthrene	17.46	178	160077	8.278	ng	99
72) Anthracene	17.55	178	44321	2.290	ng	98
73) Carbazole	17.83	167	40686	2.221	ng	96
75) Fluoranthene	19.47	202	79255	3.461	ng	95
78) Pyrene	19.83	202	52590	2.005	ng	99

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

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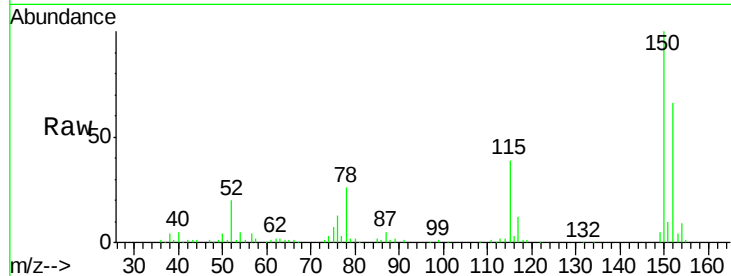


#1

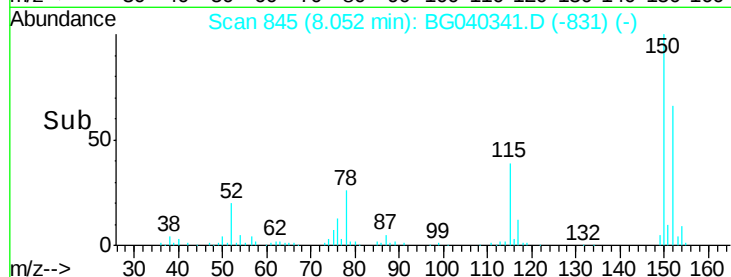
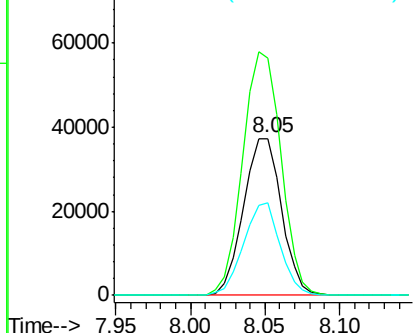
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.02 min
Lab File: BG040341.D
Acq: 4 Apr 2019 1:11

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.5	123.7	185.5
115	58.7	46.9	70.3



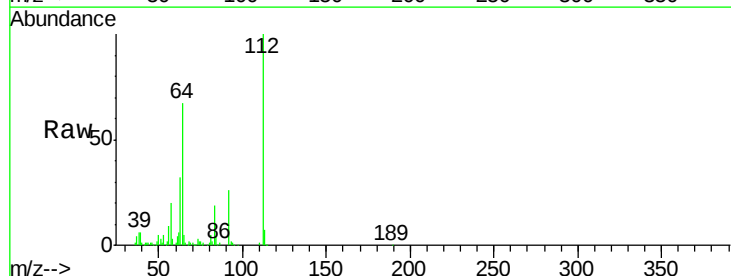
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



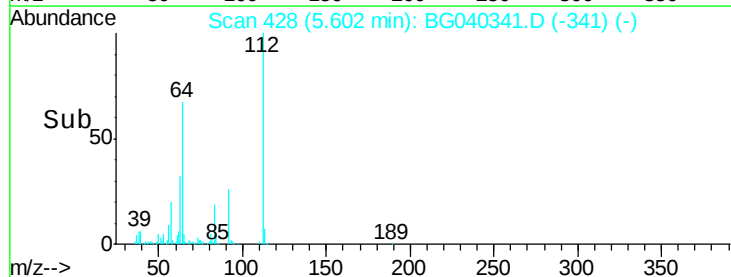
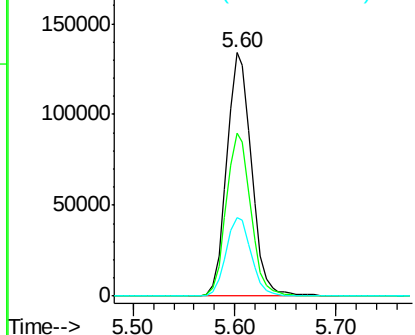
#5

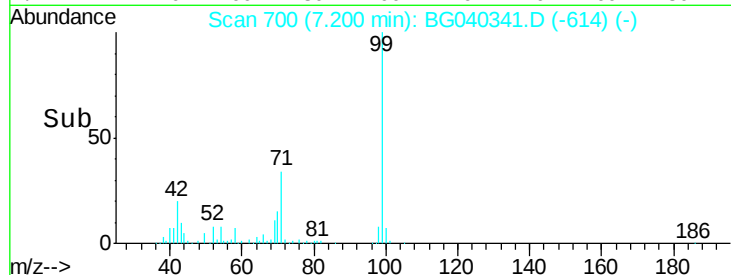
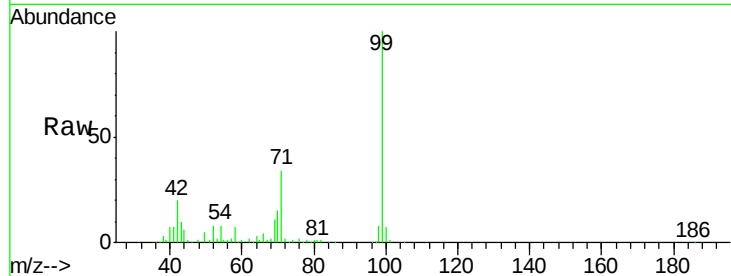
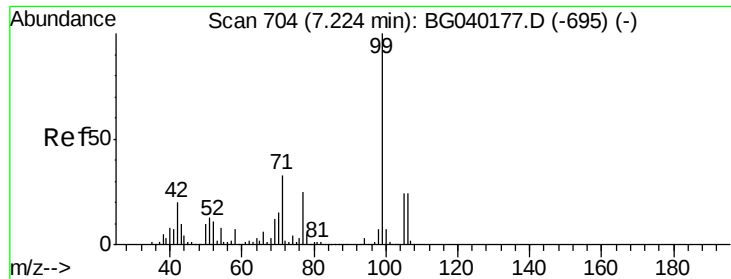
2-Fluorophenol
Concen: 57.293 ng
RT: 5.60 min Scan# 428
Delta R.T. -0.02 min
Lab File: BG040341.D
Acq: 4 Apr 2019 1:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	54.2	81.2
63	32.4	26.4	39.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 35.256 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.02 min

Lab File: BG040341.D

Acq: 4 Apr 2019 1:11

Instrument :

BNA_G

ClientSampled :

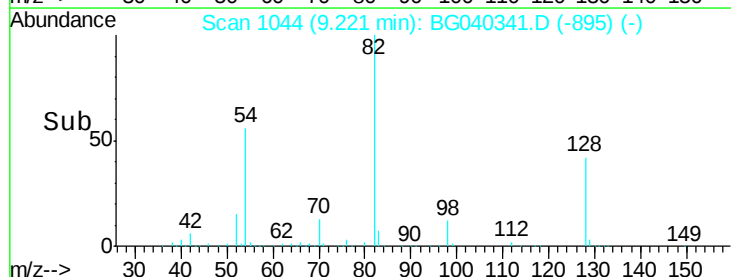
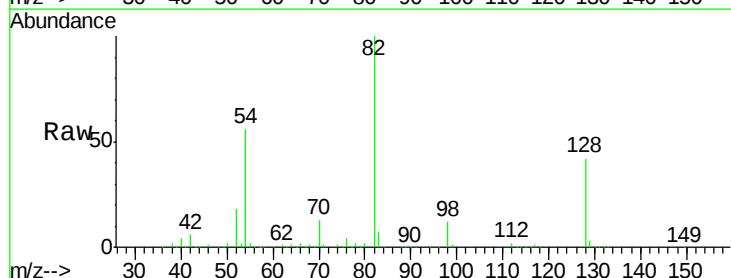
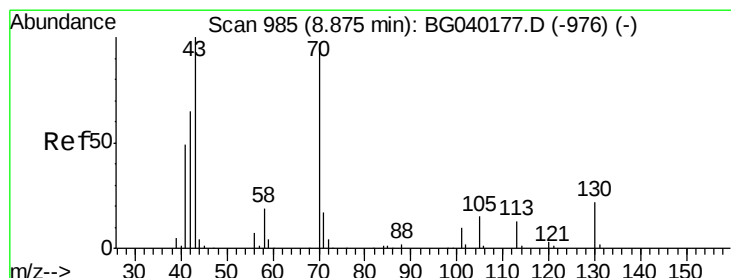
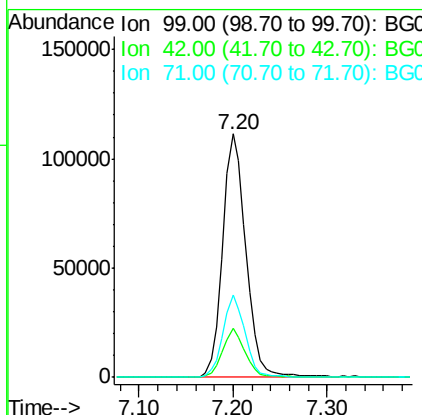
Tot Ion: 99 Resp: 192527

Ion Ratio Lower Upper

99 100

42 20.3 16.2 24.2

71 33.8 26.8 40.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.678 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.35 min

Lab File: BG040341.D

Acq: 4 Apr 2019 1:11

Tgt Ion: 70 Resp: 49636

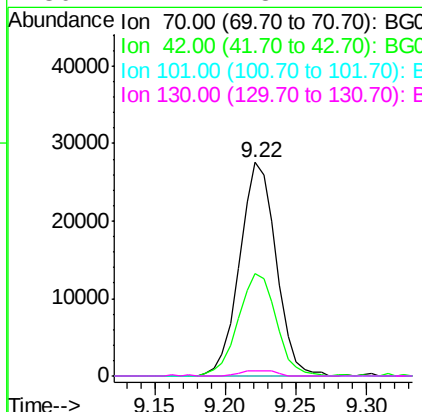
Ion Ratio Lower Upper

70 100

42 48.2 54.0 81.0#

101 0.0 8.6 13.0#

130 2.2 18.2 27.2#

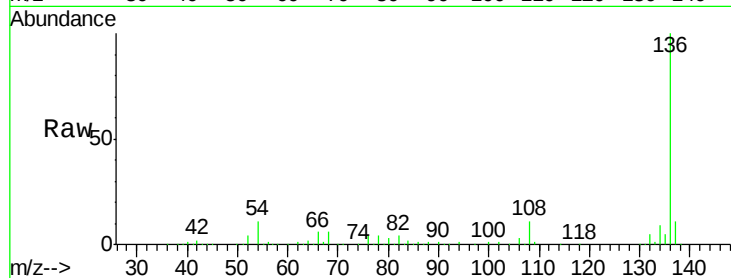




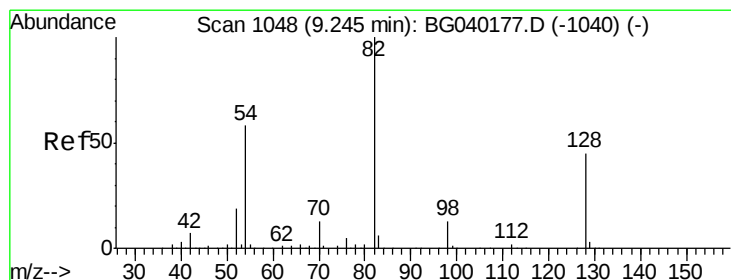
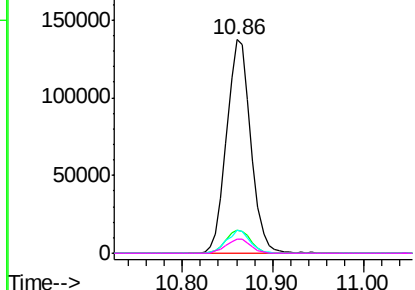
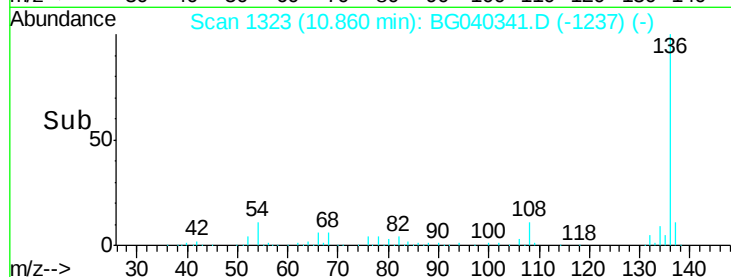
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG040341.D
Acq: 4 Apr 2019 1:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	254717
Ion Ratio	Lower	Upper
136	100	
137	10.5	8.9 13.3
54	11.0	9.6 14.4
68	6.4	5.1 7.7

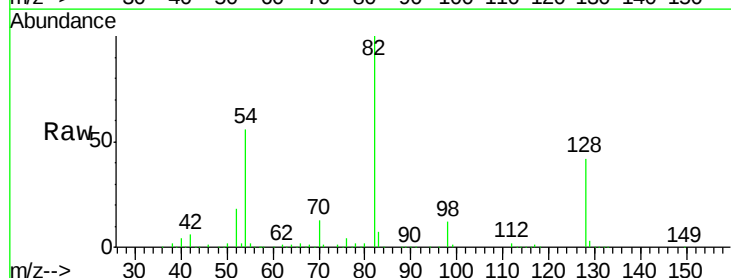


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

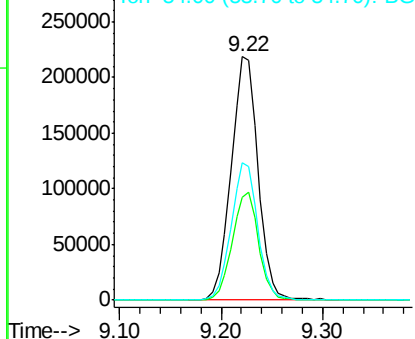
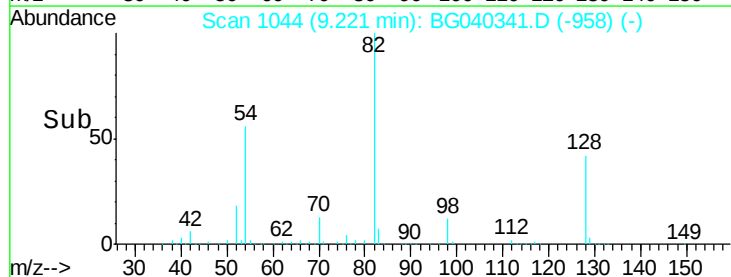


#23
Nitrobenzene-d5
Concen: 84.038 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG040341.D
Acq: 4 Apr 2019 1:11

Tgt Ion: 82	Resp:	402720
Ion Ratio	Lower	Upper
82	100	
128	42.3	35.8 53.8
54	56.3	46.2 69.2



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.02 min

Lab File: BG040341.D

Acq: 4 Apr 2019 1:11

Instrument :

BNA_G

ClientSampleId :

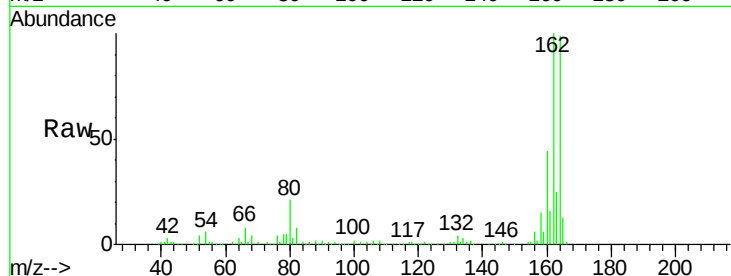
Tot Ion:164 Resp: 155834

Ion Ratio Lower Upper

164 100

162 100.9 77.4 116.2

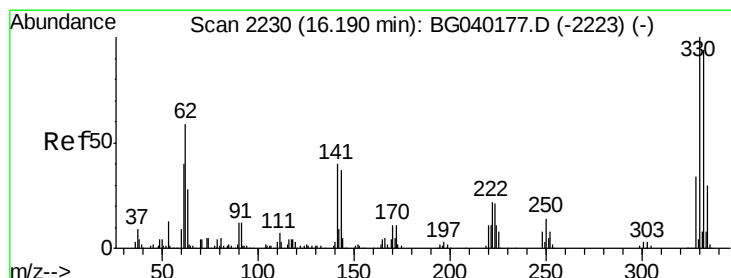
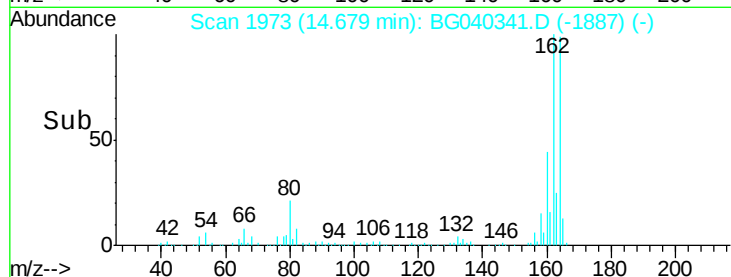
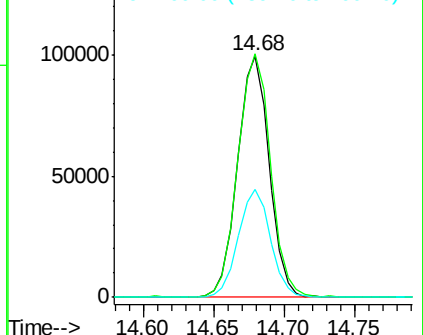
160 44.8 35.3 52.9



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: 137.792 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.02 min

Lab File: BG040341.D

Acq: 4 Apr 2019 1:11

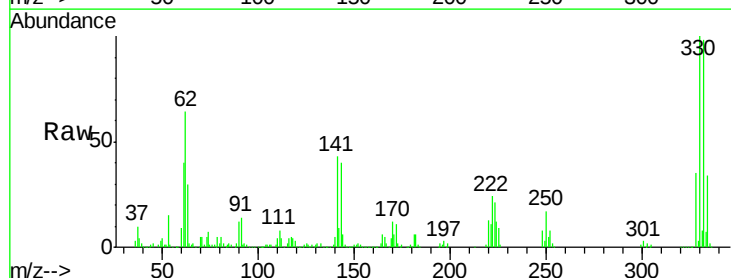
Tgt Ion:330 Resp: 232064

Ion Ratio Lower Upper

330 100

332 97.8 76.6 115.0

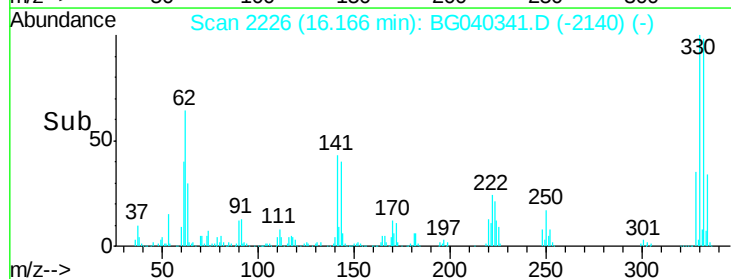
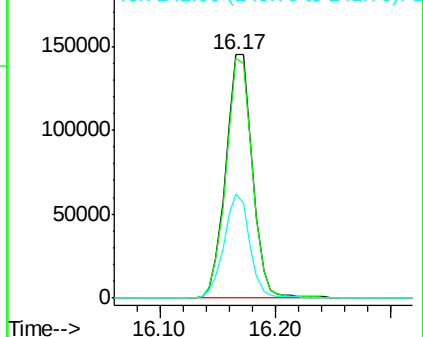
141 41.1 32.6 48.8

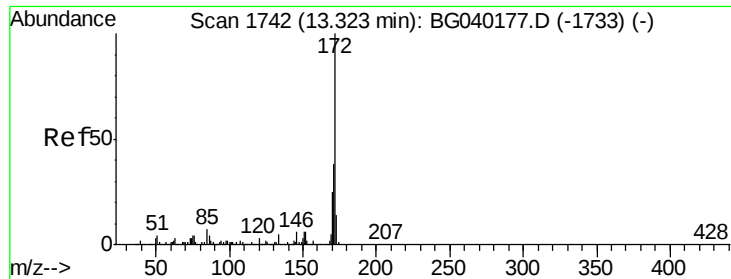


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

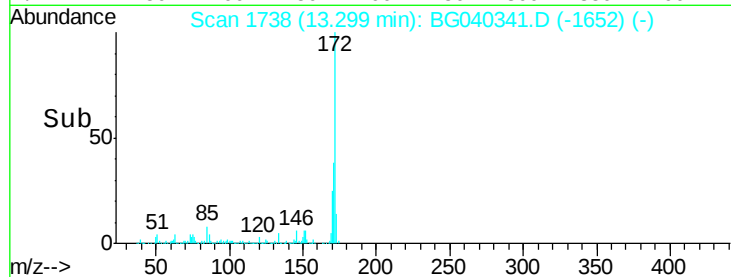
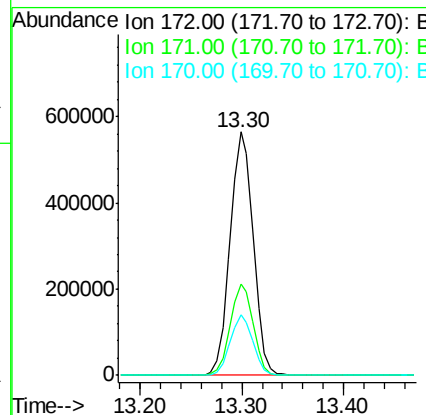
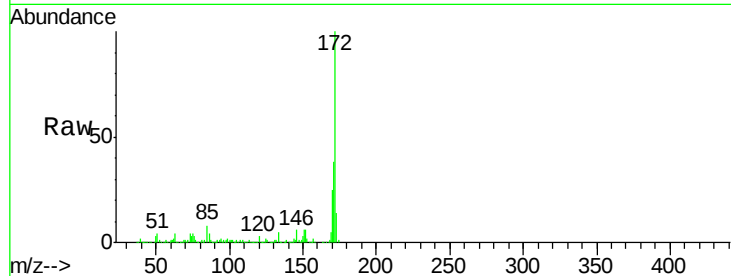




#45
2-Fluorobiphenyl
Concen: 84.920 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.02 min
Lab File: BG040341.D
Acq: 4 Apr 2019 1:11

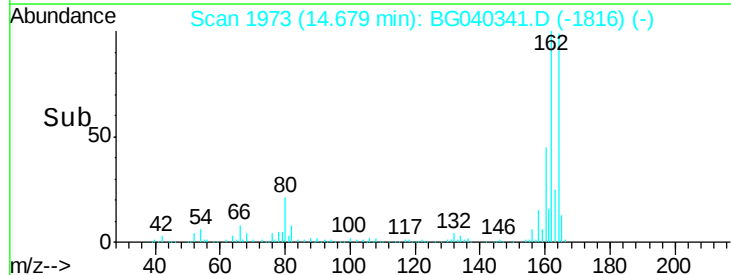
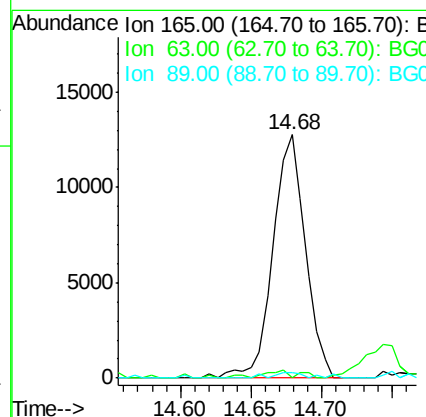
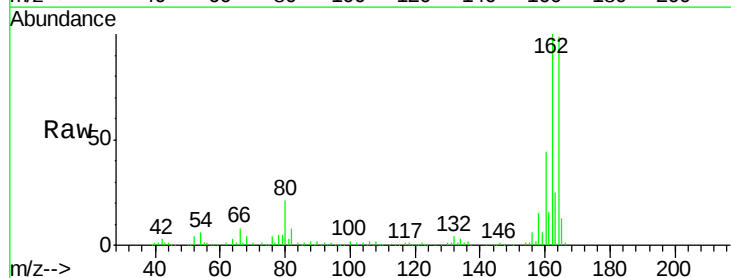
Instrument :
BNA_G
ClientSampleId :

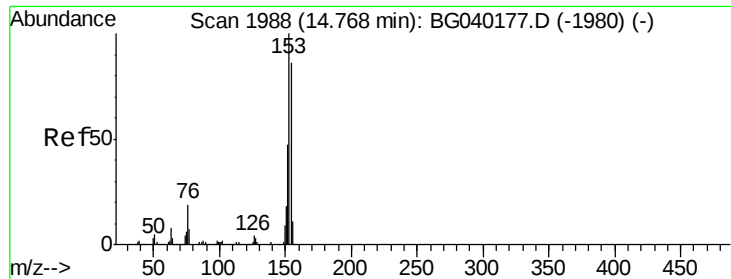
Tot Ion:172 Resp: 893084
Ion Ratio Lower Upper
172 100
171 37.7 30.5 45.7
170 24.9 20.1 30.1



#51
2,6-Dinitrotoluene
Concen: 7.491 ng
RT: 14.68 min Scan# 1973
Delta R.T. 0.39 min
Lab File: BG040341.D
Acq: 4 Apr 2019 1:11

Tgt Ion:165 Resp: 20515
Ion Ratio Lower Upper
165 100
63 0.0 44.1 66.1#
89 2.3 44.9 67.3#





#52

Acenaphthene

Concen: 3.073 ng

RT: 14.74 min Scan# 1984

Delta R.T. -0.02 min

Lab File: BG040341.D

Acq: 4 Apr 2019 1:11

Instrument :

BNA_G

ClientSampleId :

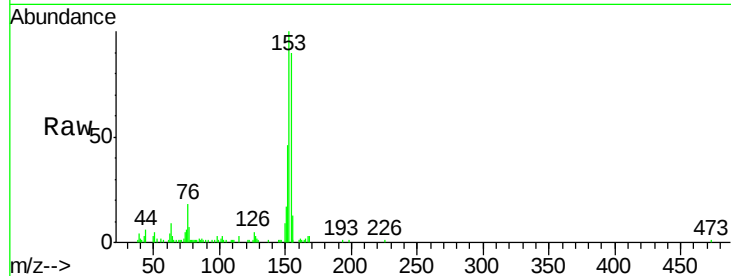
Tot Ion:154 Resp: 28195

Ion Ratio Lower Upper

154 100

153 111.7 92.8 139.2

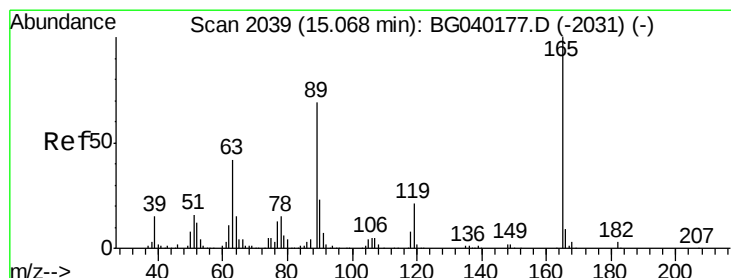
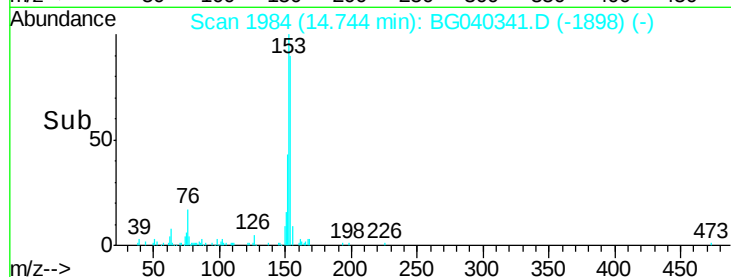
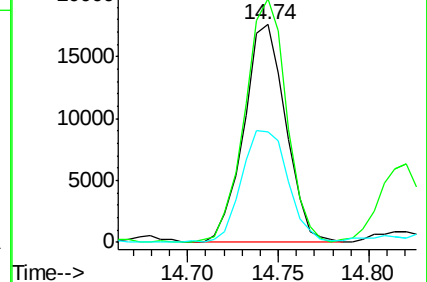
152 50.9 43.4 65.2



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



#57

2,4-Dinitrotoluene

Concen: 5.391 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.39 min

Lab File: BG040341.D

Acq: 4 Apr 2019 1:11

Tgt Ion:165 Resp: 20515

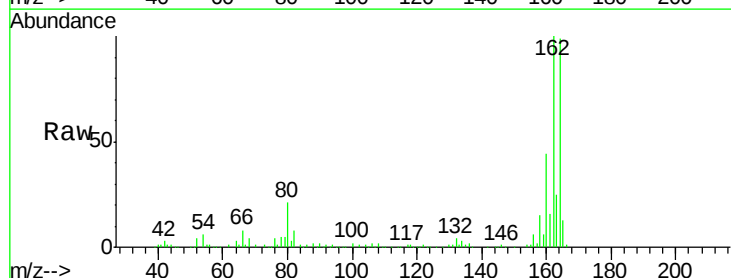
Ion Ratio Lower Upper

165 100

63 0.0 33.8 50.6#

89 2.3 55.4 83.2#

182 0.0 2.2 3.4#

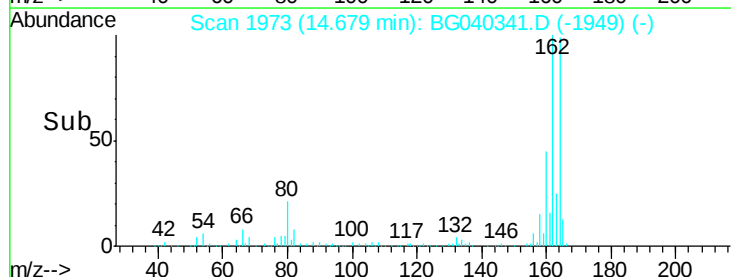
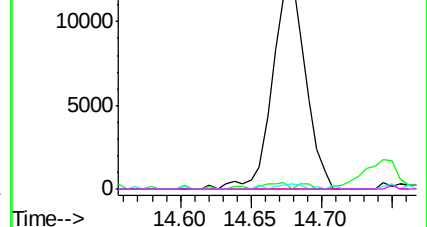


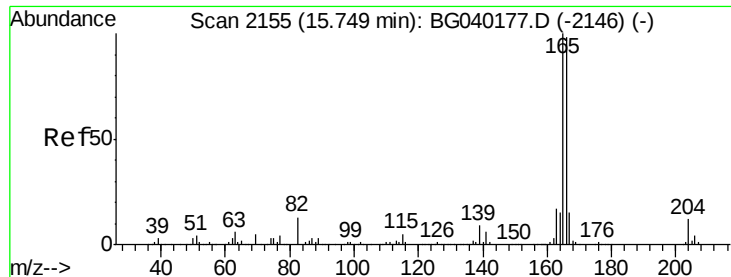
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 5.738 ng

RT: 15.73 min Scan# 2151

Delta R.T. -0.02 min

Lab File: BG040341.D

Acq: 4 Apr 2019 1:11

Instrument :

BNA_G

ClientSampleId :

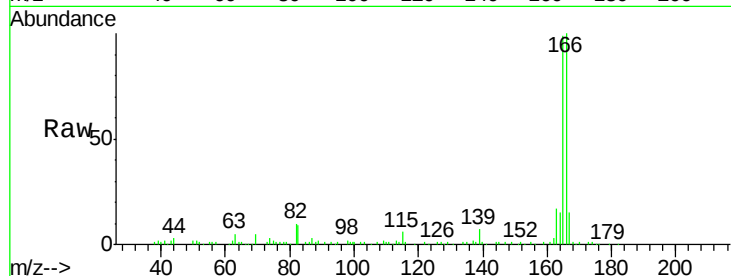
Tot Ion:166 Resp: 66516

Ion Ratio Lower Upper

166 100

165 99.2 81.7 122.5

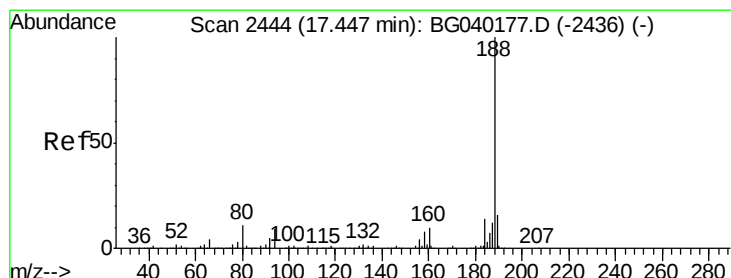
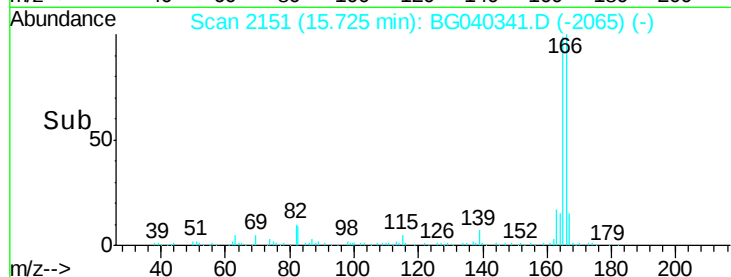
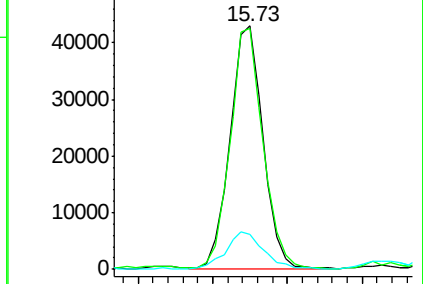
167 14.6 11.9 17.9



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: BG040341.D

Acq: 4 Apr 2019 1:11

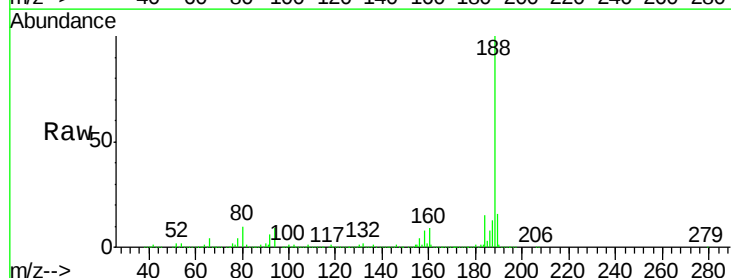
Tgt Ion:188 Resp: 367890

Ion Ratio Lower Upper

188 100

94 9.0 7.0 10.4

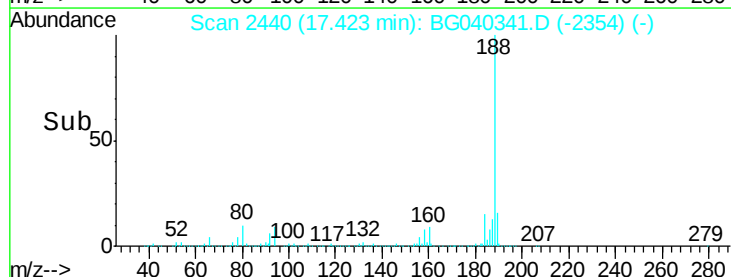
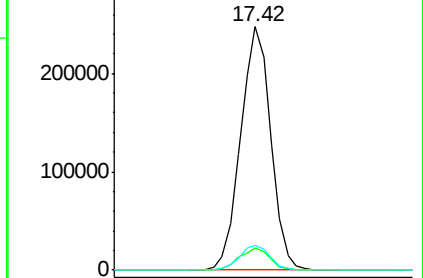
80 10.3 8.6 13.0

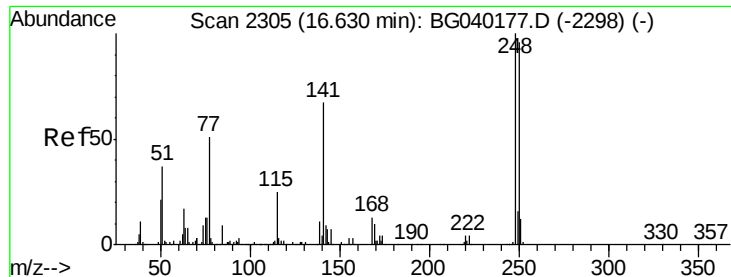


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#67

4-Bromophenyl-phenylether

Concen: 4.390 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.46 min

Lab File: BG040341.D

Acq: 4 Apr 2019 1:11

Instrument :

BNA_G

ClientSampleId :

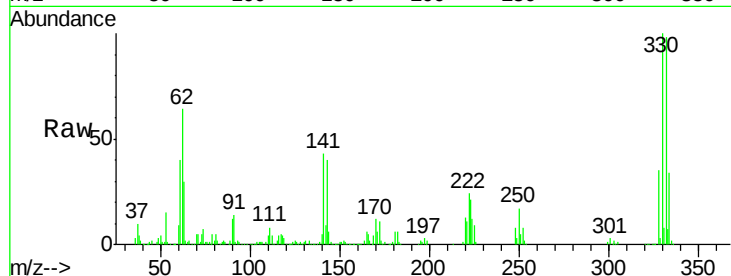
Tot Ion:248 Resp: 18175

Ion Ratio Lower Upper

248 100

250 202.0 76.4 114.6#

141 523.3 53.8 80.8#

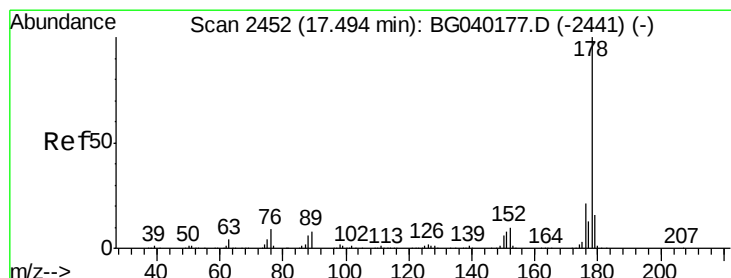
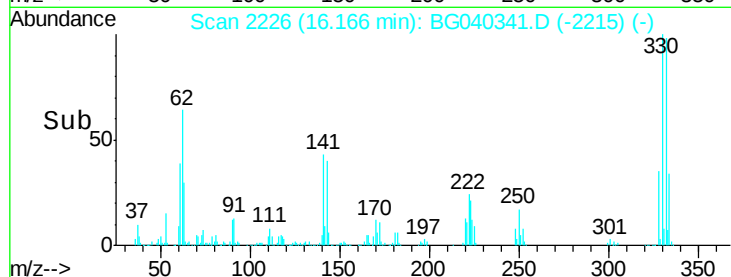
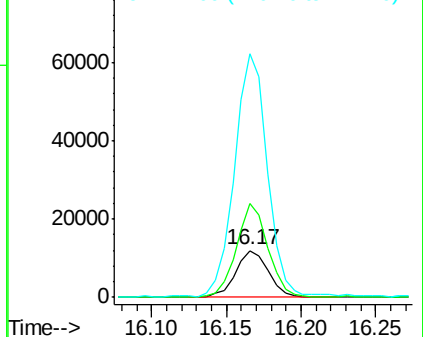


Abundance

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: 8.278 ng

RT: 17.46 min Scan# 2447

Delta R.T. -0.03 min

Lab File: BG040341.D

Acq: 4 Apr 2019 1:11

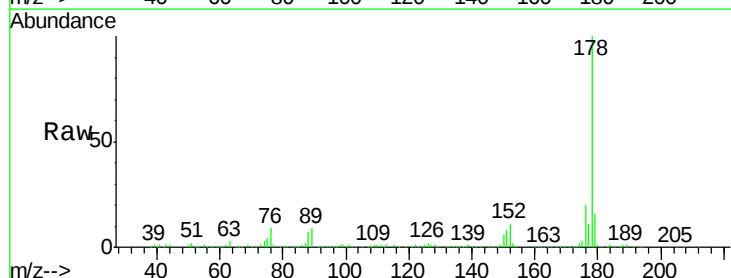
Tgt Ion:178 Resp: 160077

Ion Ratio Lower Upper

178 100

176 20.4 16.7 25.1

179 15.7 12.8 19.2

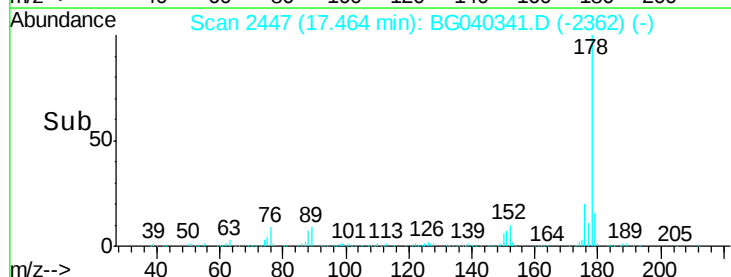
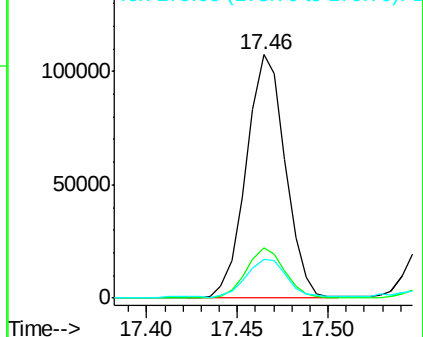


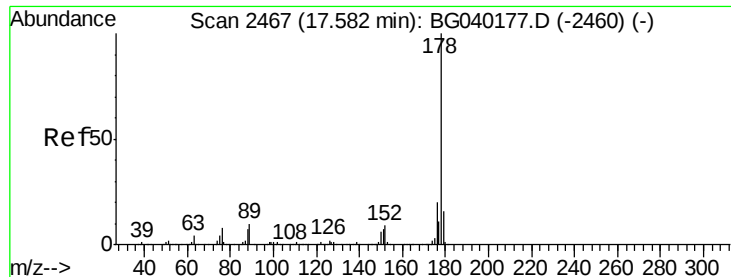
Abundance

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

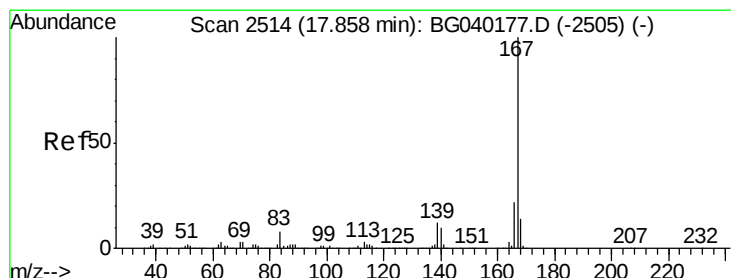
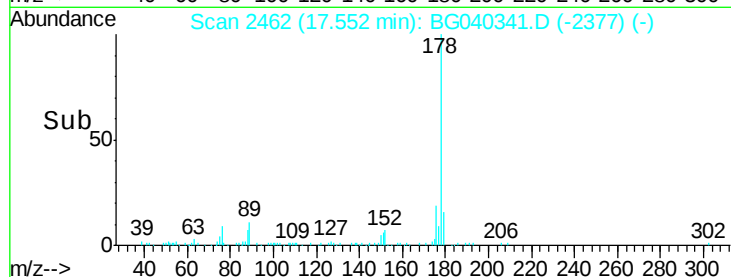
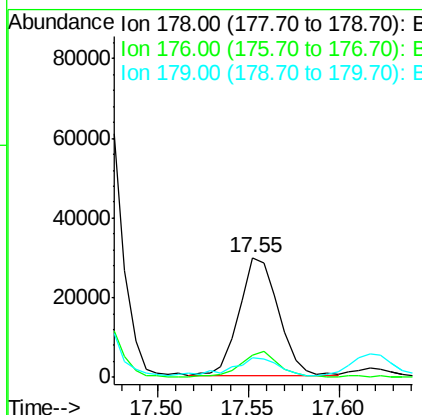
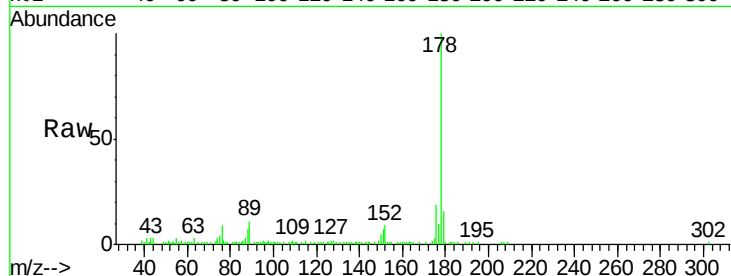




#72
 Anthracene
 Concen: 2.290 ng
 RT: 17.55 min Scan# 2462
 Delta R.T. -0.03 min
 Lab File: BG040341.D
 Acq: 4 Apr 2019 1:11

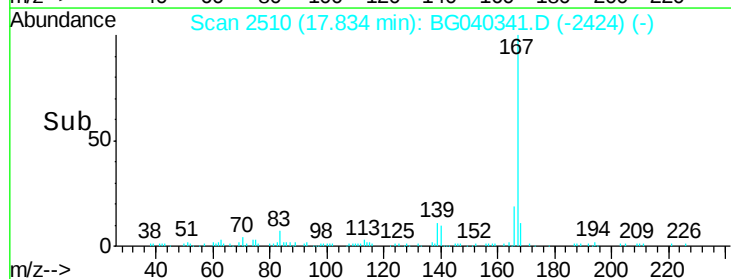
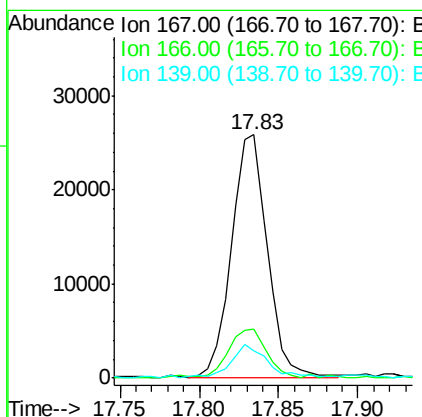
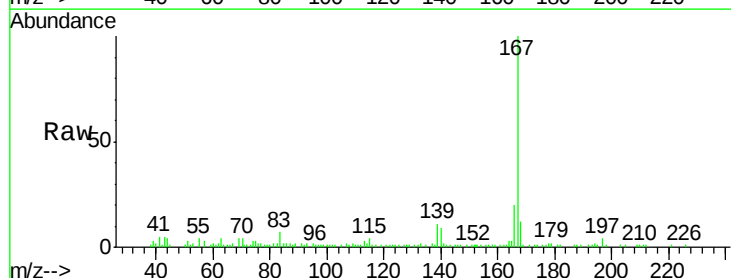
Instrument :
 BNA_G
 ClientSampled :

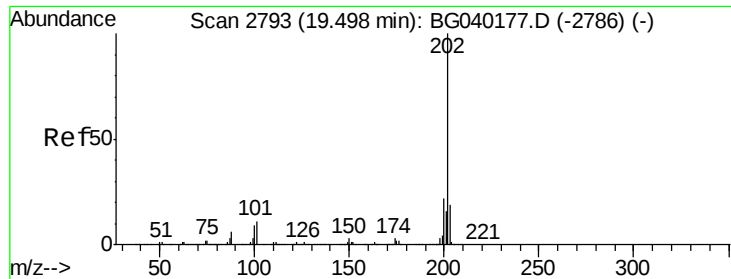
Tot Ion:178 Resp: 44321
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.9 23.9
 179 16.4 12.9 19.3



#73
 Carbazole
 Concen: 2.221 ng
 RT: 17.83 min Scan# 2510
 Delta R.T. -0.02 min
 Lab File: BG040341.D
 Acq: 4 Apr 2019 1:11

Tgt Ion:167 Resp: 40686
 Ion Ratio Lower Upper
 167 100
 166 20.1 17.5 26.3
 139 11.1 10.0 15.0





#75

Fluoranthene

Concen: 3.461 ng

RT: 19.47 min Scan# 2789

Delta R.T. -0.02 min

Lab File: BG040341.D

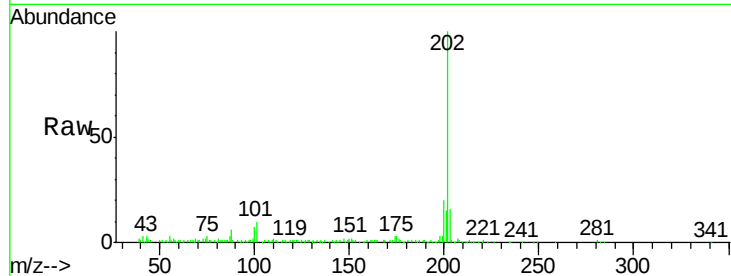
Acq: 4 Apr 2019 1:11

Instrument :

BNA_G

ClientSampleId :

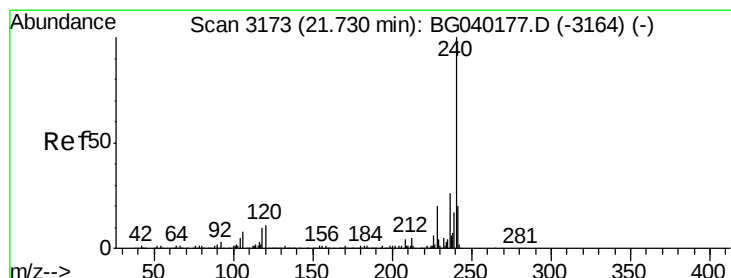
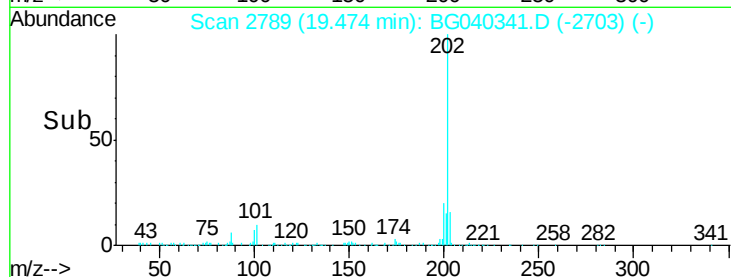
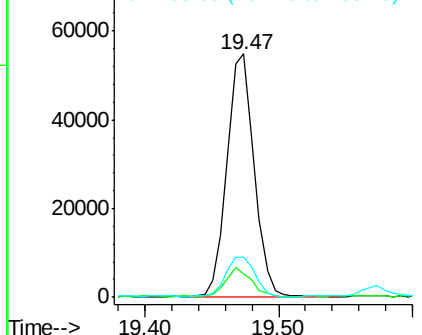
Tot Ion:	202	Resp:	79255
Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	30.8
203	16.3	0.0	38.9



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



#76

Chrysene-d12

Concen: 20.000 ng

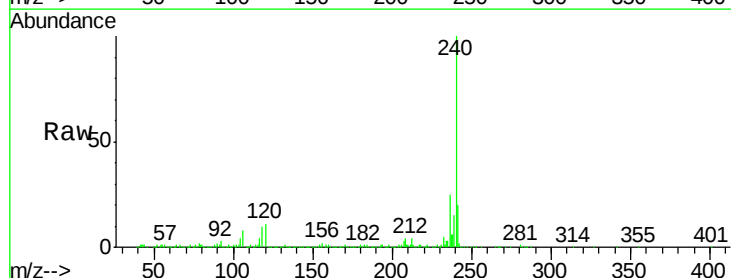
RT: 21.69 min Scan# 3167

Delta R.T. -0.04 min

Lab File: BG040341.D

Acq: 4 Apr 2019 1:11

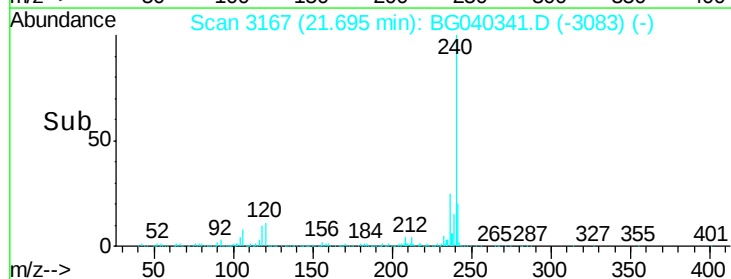
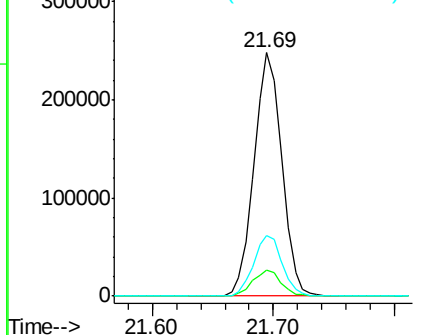
Tgt Ion:	240	Resp:	398906
Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.4	12.6
236	25.1	20.8	31.2

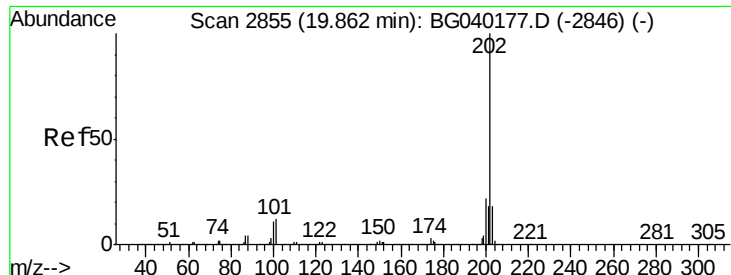


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.005 ng

RT: 19.83 min Scan# 2850

Delta R.T. -0.03 min

Lab File: BG040341.D

Acq: 4 Apr 2019 1:11

Instrument :

BNA_G

ClientSampleId :

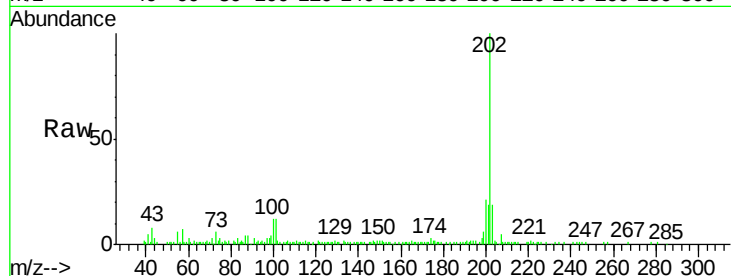
Tot Ion:202 Resp: 52590

Ion Ratio Lower Upper

202 100

200 21.4 17.3 25.9

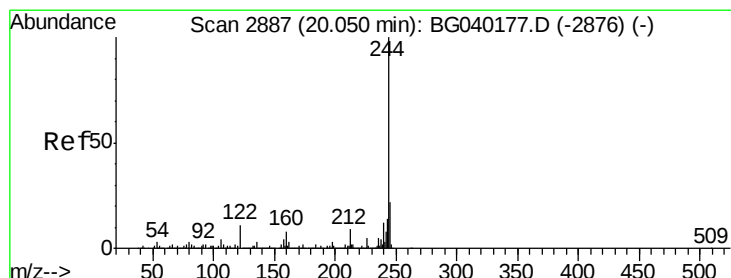
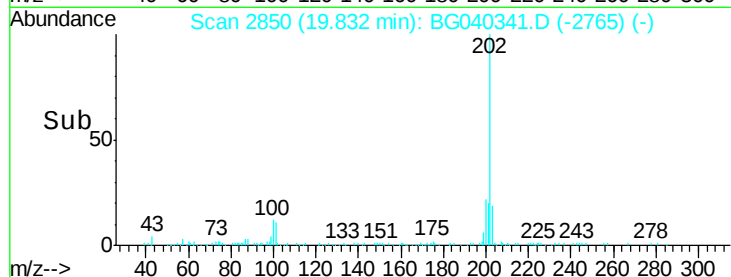
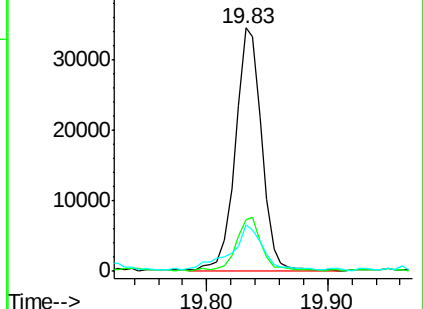
203 18.9 14.6 22.0



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



#79

Terphenyl-d14

Concen: 74.856 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.02 min

Lab File: BG040341.D

Acq: 4 Apr 2019 1:11

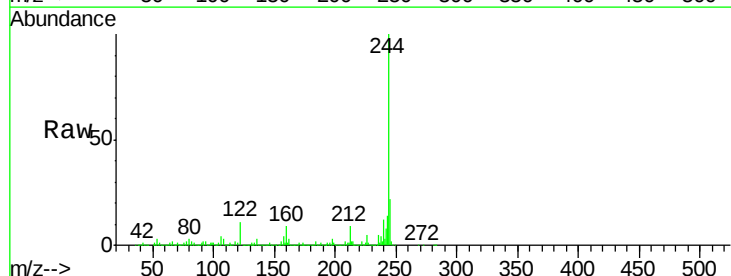
Tgt Ion:244 Resp: 1327341

Ion Ratio Lower Upper

244 100

212 8.9 7.0 10.6

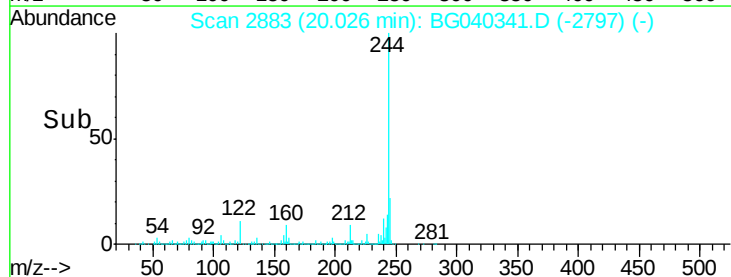
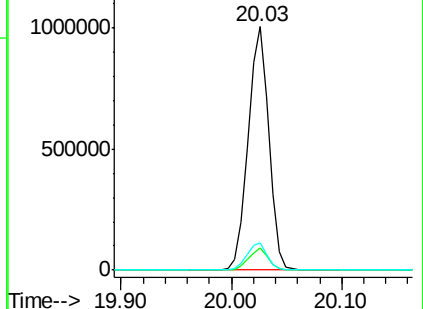
122 11.4 8.5 12.7

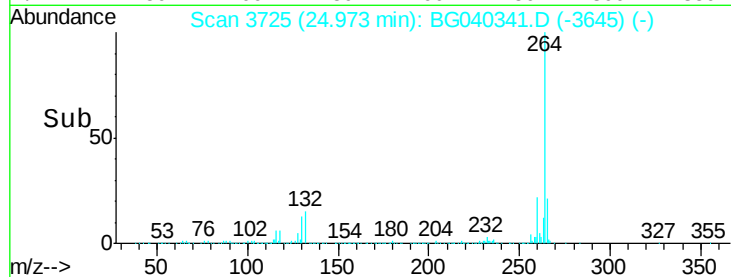
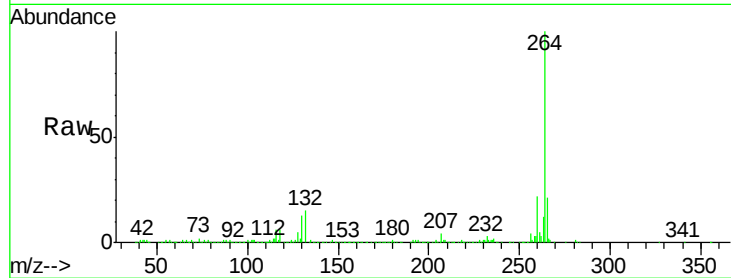
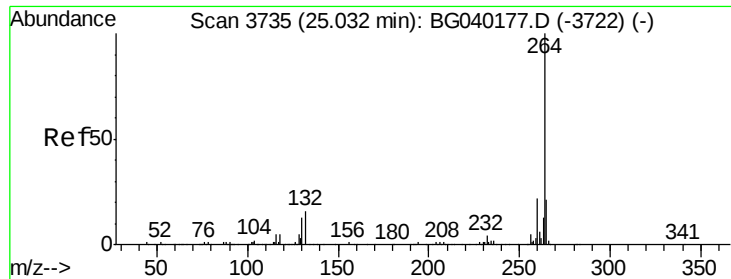


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.97 min Scan# 3725
 Delta R.T. -0.06 min
 Lab File: BG040341.D
 Acq: 4 Apr 2019 1:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.9	26.9
265	21.1	16.8	25.2

