

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG040219\
 Data File : BG040311.D
 Acq On : 3 Apr 2019 00:41
 Operator : JU/SJ
 Sample : K2180-28
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 03 03:14:07 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

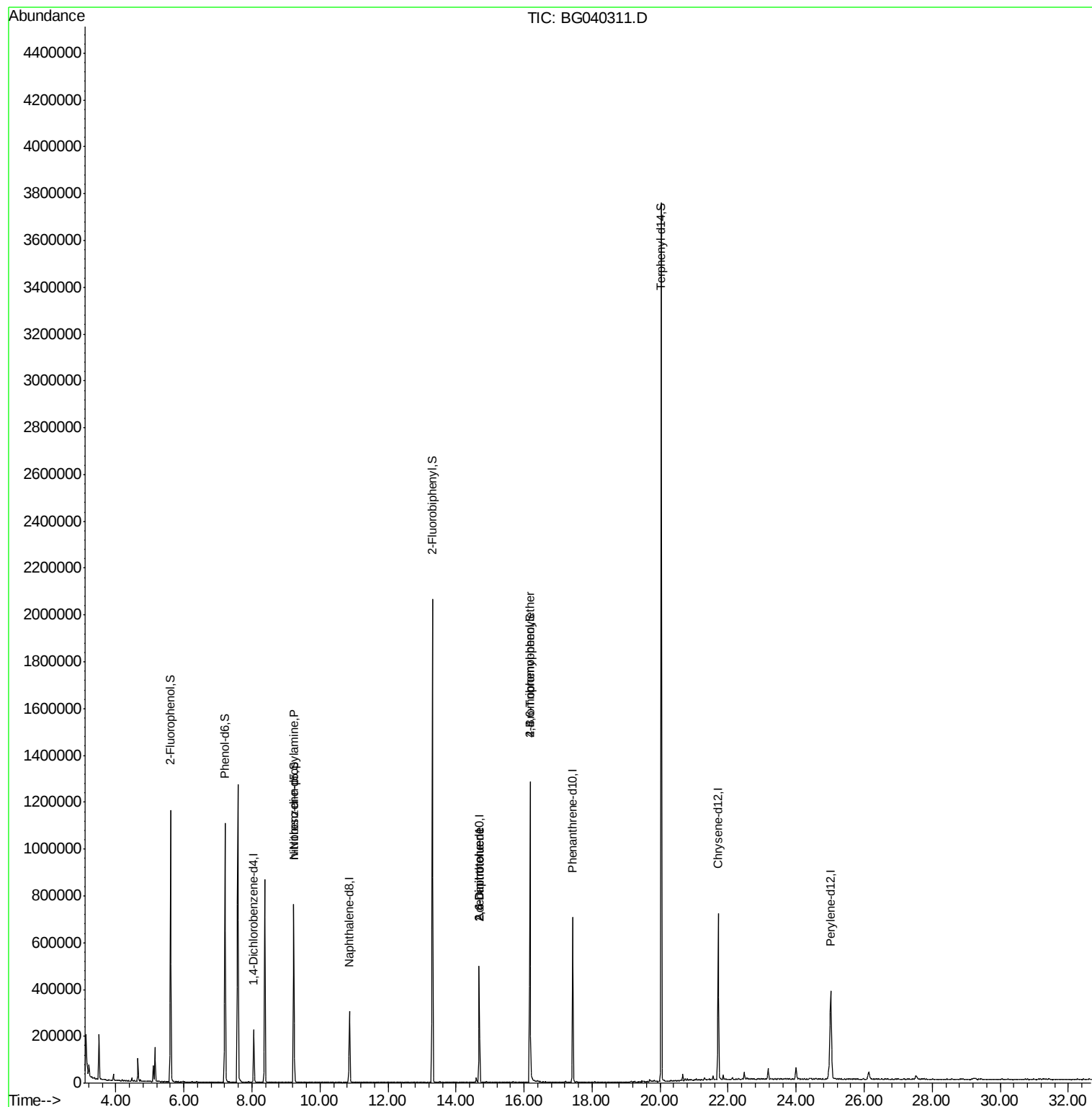
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	61860	20.00	ng	-0.02
21) Naphthalene-d8	10.87	136	263286	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	181743	20.00	ng	-0.02
64) Phenanthrene-d10	17.43	188	445000	20.00	ng	-0.02
76) Chrysene-d12	21.71	240	446192	20.00	ng	-0.02
87) Perylene-d12	25.02	264	443845	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	496637	133.47	ng	0.00
7) Phenol-d6	7.21	99	653776	127.13	ng	-0.02
23) Nitrobenzene-d5	9.23	82	464537	93.78	ng	-0.02
42) 2,4,6-Tribromophenol	16.17	330	245907	125.20	ng	-0.02
45) 2-Fluorobiphenyl	13.31	172	1089603	88.84	ng	-0.02
79) Terphenyl-d14	20.03	244	1722197	86.83	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	59622	16.170	ng	# 71
51) 2,6-Dinitrotoluene	14.68	165	23009	7.204	ng	# 25
57) 2,4-Dinitrotoluene	14.68	165	23009	5.185	ng	# 25
67) 4-Bromophenyl-phenylether	16.17	248	19410	3.876	ng	# 1

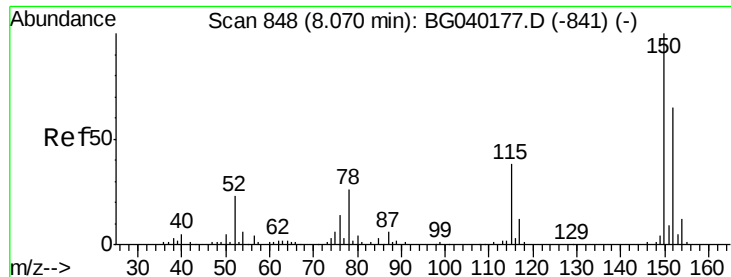
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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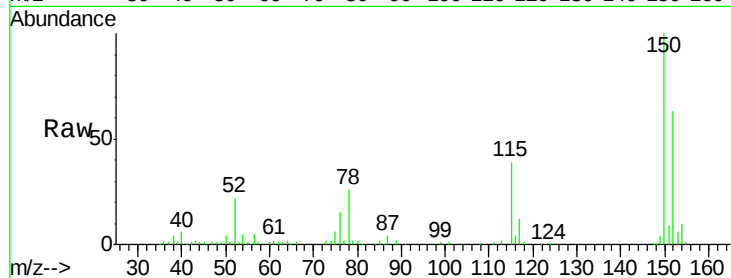


#1

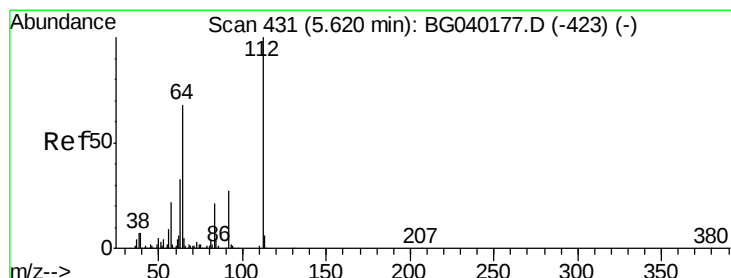
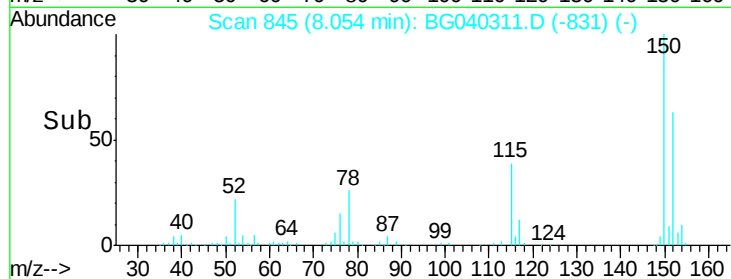
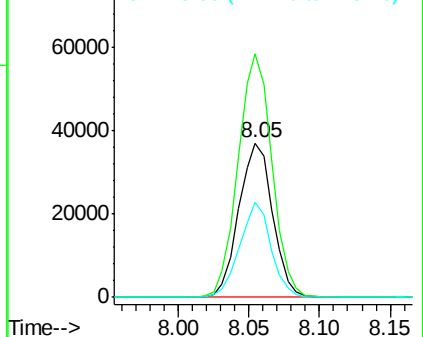
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.02 min
Lab File: BG040311.D
Acq: 3 Apr 2019 00:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 61860
Ion Ratio Lower Upper
152 100
150 157.8 123.7 185.5
115 61.3 46.9 70.3



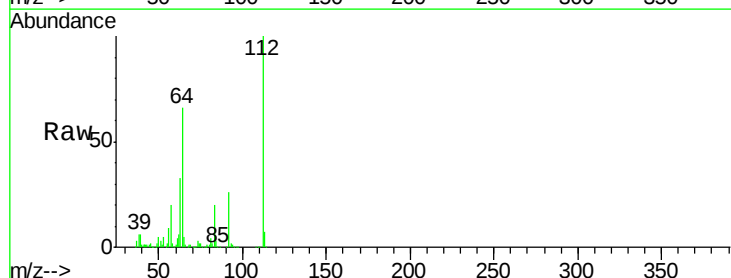
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



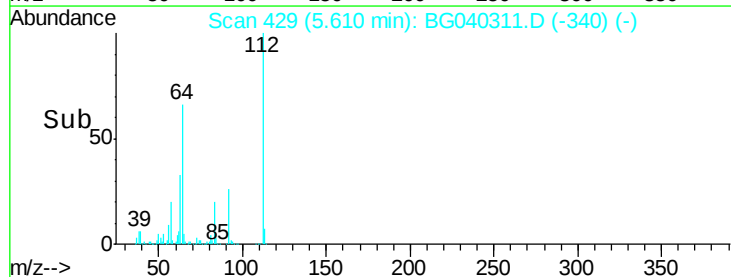
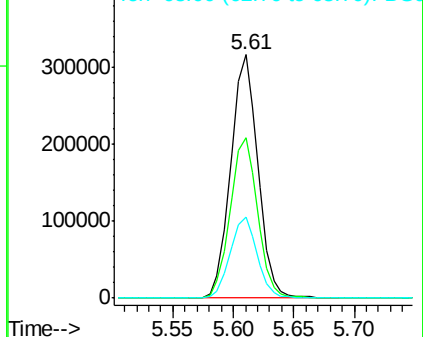
#5

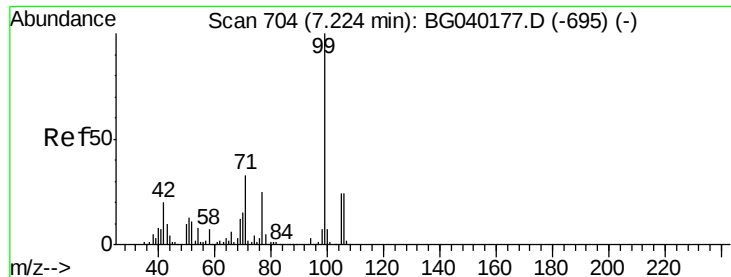
2-Fluorophenol
Concen: 133.465 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.01 min
Lab File: BG040311.D
Acq: 3 Apr 2019 00:41

Tgt Ion:112 Resp: 496637
Ion Ratio Lower Upper
112 100
64 65.7 54.2 81.2
63 33.3 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: 127.129 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.02 min

Lab File: BG040311.D

Acq: 3 Apr 2019 00:41

Instrument :

BNA_G

ClientSampleId :

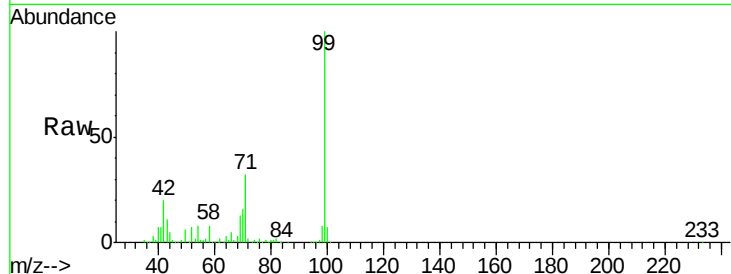
Tot Ion: 99 Resp: 653776

Ion Ratio Lower Upper

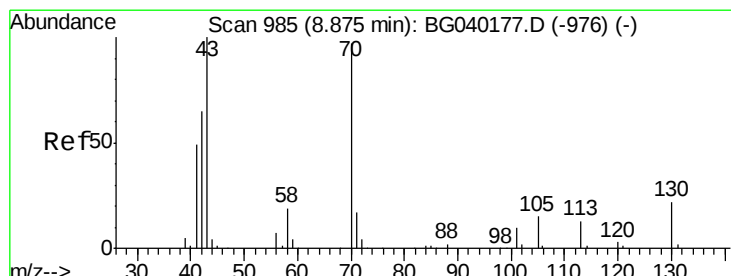
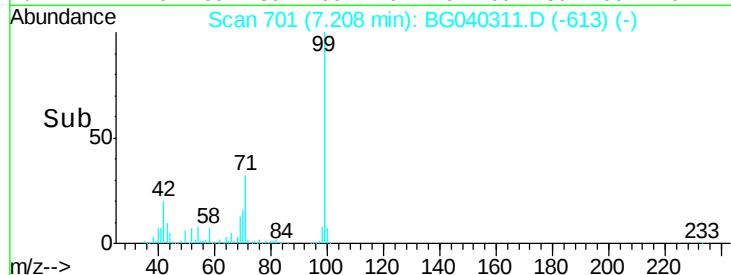
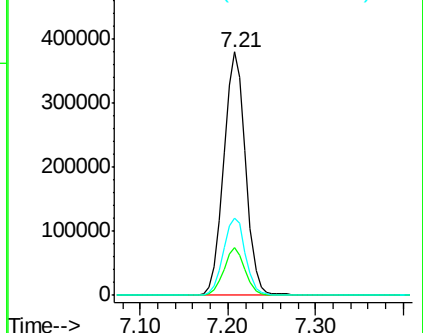
99 100

42 19.6 16.2 24.2

71 31.9 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.170 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.35 min

Lab File: BG040311.D

Acq: 3 Apr 2019 00:41

Tgt Ion: 70 Resp: 59622

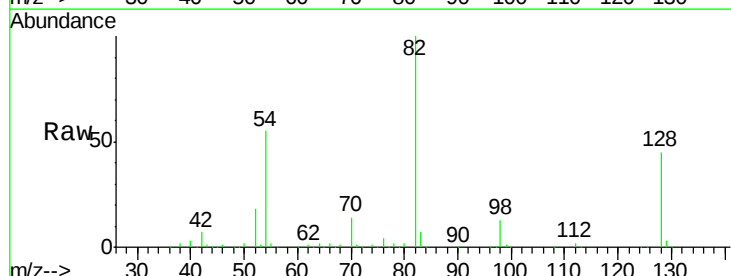
Ion Ratio Lower Upper

70 100

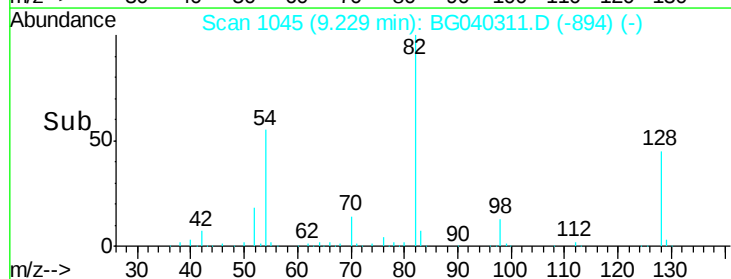
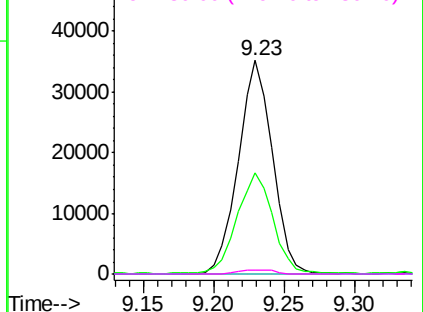
42 47.4 54.0 81.0#

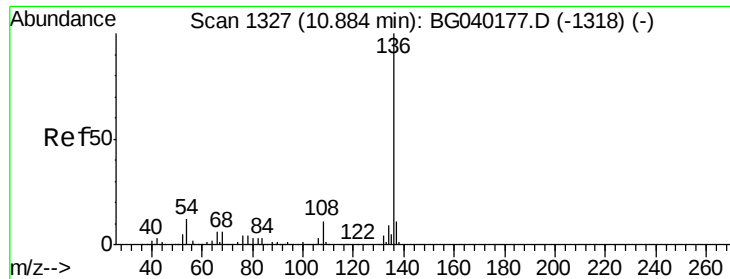
101 0.0 8.6 13.0#

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: 10.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BG040311.D

Acq: 3 Apr 2019 00:41

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 263286

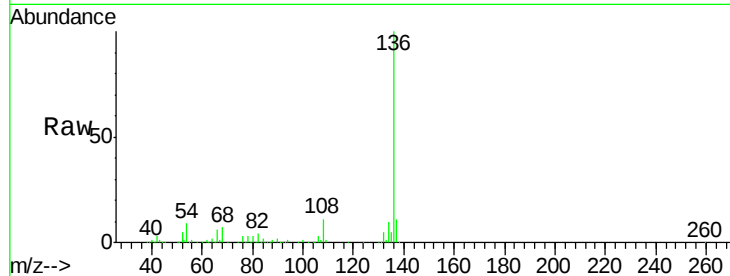
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.4 9.6 14.4#

68 6.5 5.1 7.7

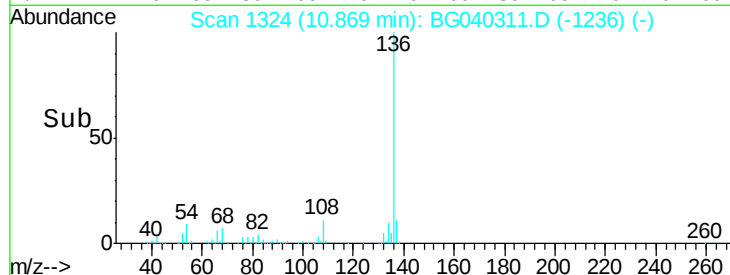


Abundance Ion 136.00 (135.70 to 136.70): E

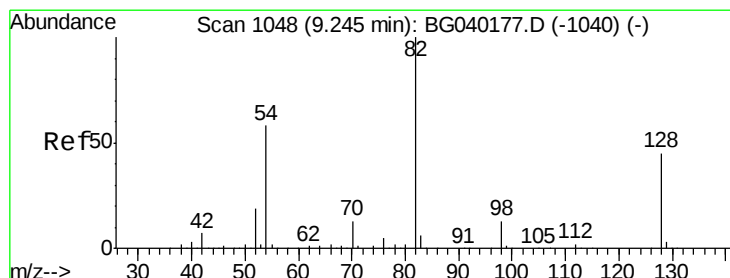
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



Time-->



#23

Nitrobenzene-d5

Concen: 93.783 ng

RT: 9.23 min Scan# 1045

Delta R.T. -0.02 min

Lab File: BG040311.D

Acq: 3 Apr 2019 00:41

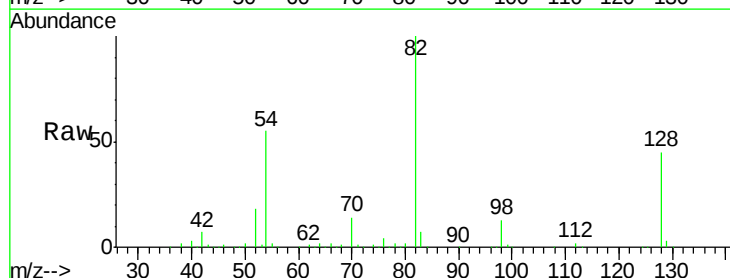
Tgt Ion: 82 Resp: 464537

Ion Ratio Lower Upper

82 100

128 45.0 35.8 53.8

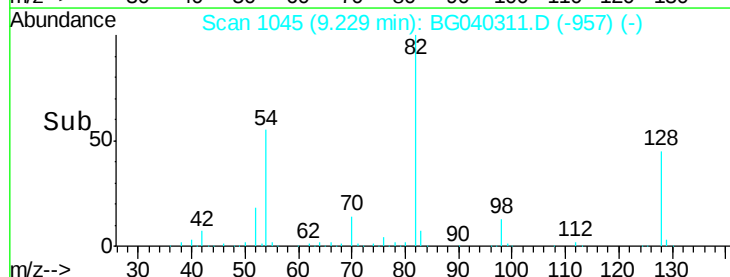
54 55.2 46.2 69.2



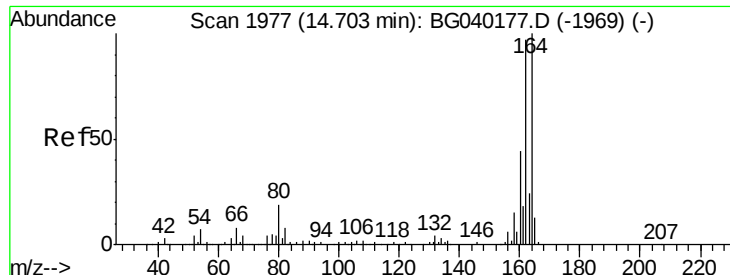
Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC



Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.02 min

Lab File: BG040311.D

Acq: 3 Apr 2019 00:41

Instrument :

BNA_G

ClientSampleId :

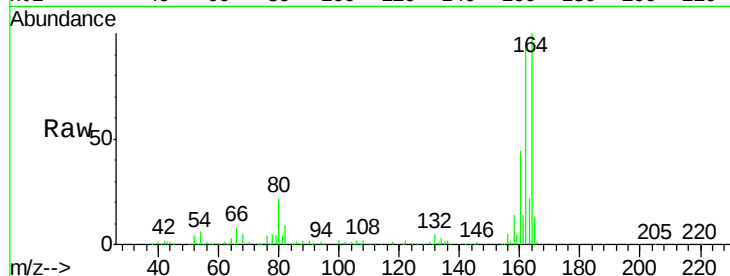
Tot Ion:164 Resp: 181743

Ion Ratio Lower Upper

164 100

162 96.3 77.4 116.2

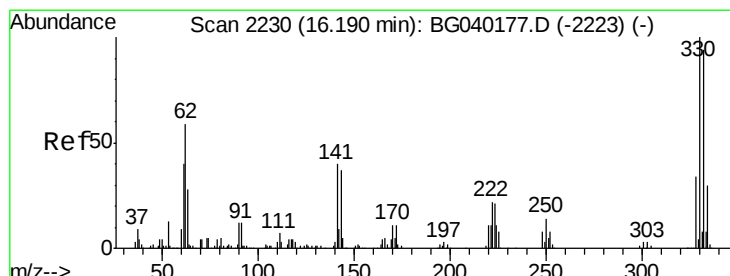
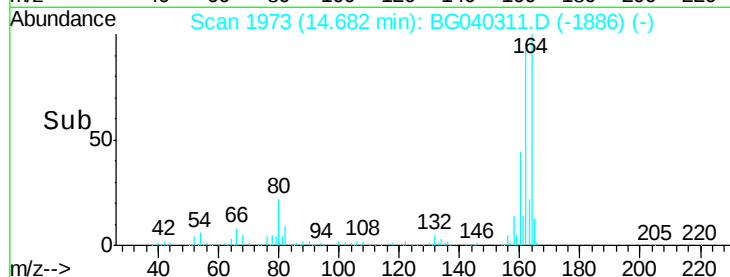
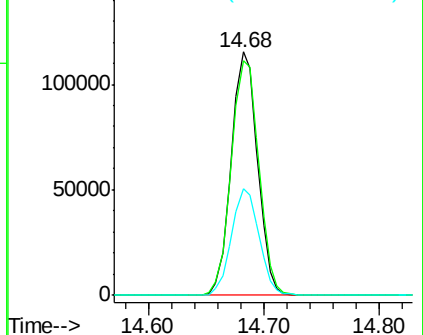
160 43.7 35.3 52.9



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: 125.197 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.02 min

Lab File: BG040311.D

Acq: 3 Apr 2019 00:41

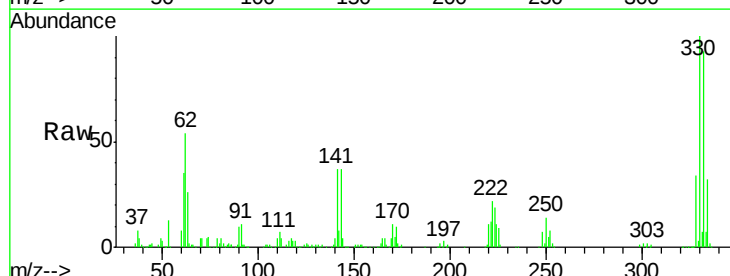
Tgt Ion:330 Resp: 245907

Ion Ratio Lower Upper

330 100

332 94.0 76.6 115.0

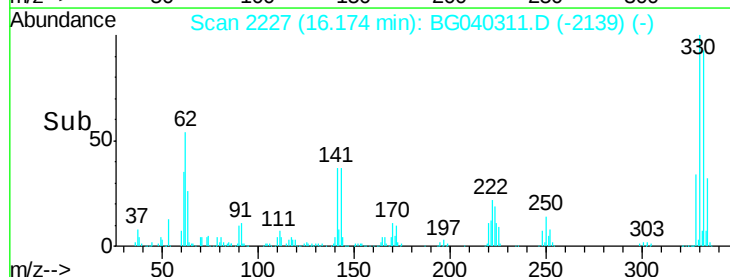
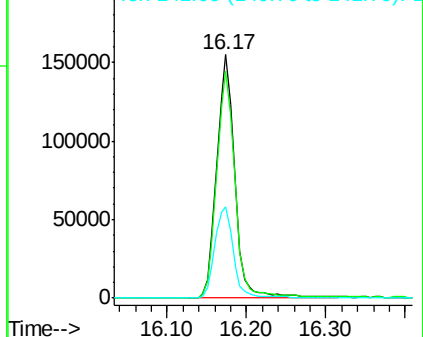
141 38.5 32.6 48.8

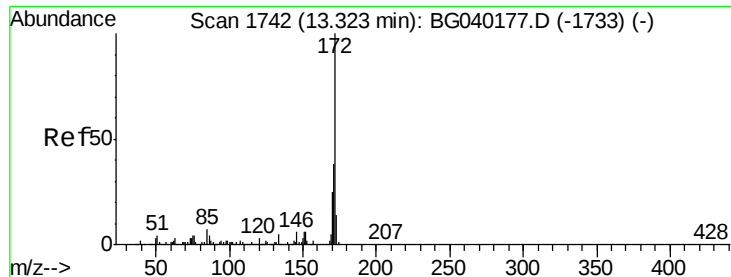


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 88.836 ng

RT: 13.31 min Scan# 1739

Delta R.T. -0.02 min

Lab File: BG040311.D

Acq: 3 Apr 2019 00:41

Instrument :

BNA_G

ClientSampleId :

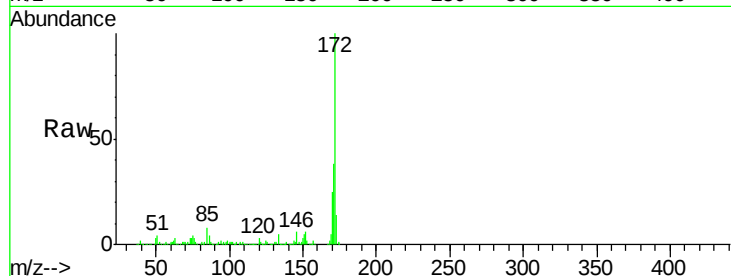
Tot Ion:172 Resp: 1089603

Ion Ratio Lower Upper

172 100

171 37.9 30.5 45.7

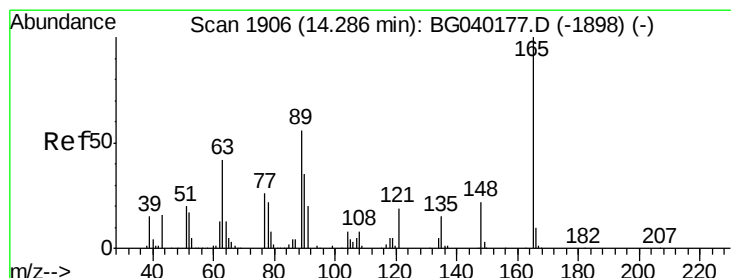
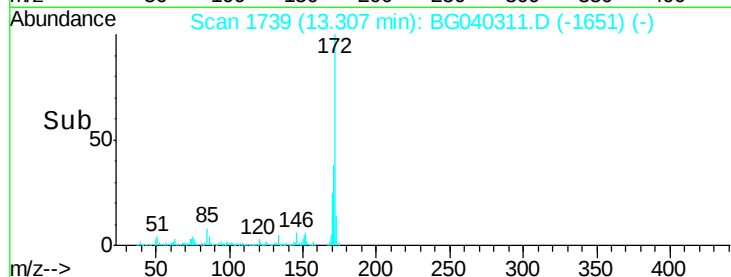
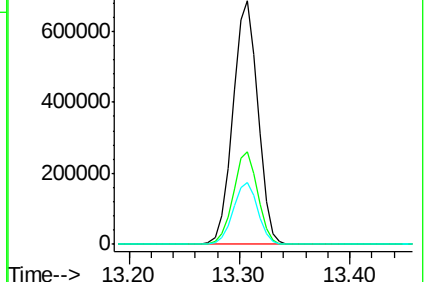
170 25.4 20.1 30.1



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



#51

2,6-Dinitrotoluene

Concen: 7.204 ng

RT: 14.68 min Scan# 1973

Delta R.T. 0.40 min

Lab File: BG040311.D

Acq: 3 Apr 2019 00:41

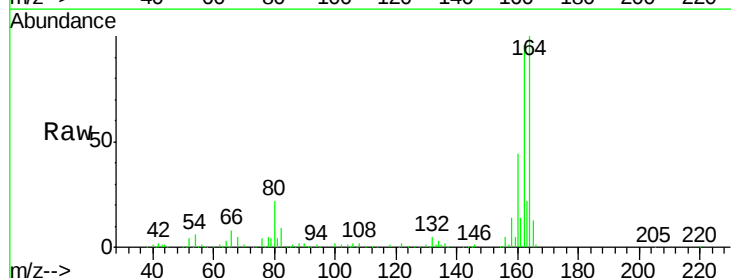
Tgt Ion:165 Resp: 23009

Ion Ratio Lower Upper

165 100

63 1.8 44.1 66.1#

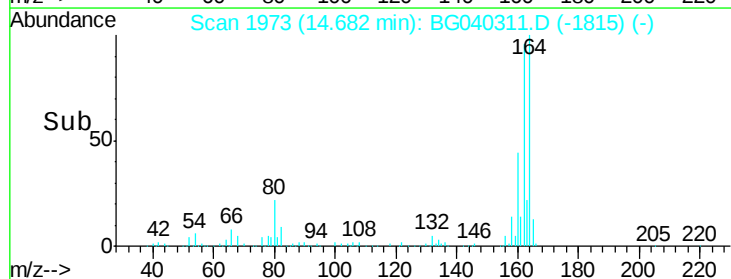
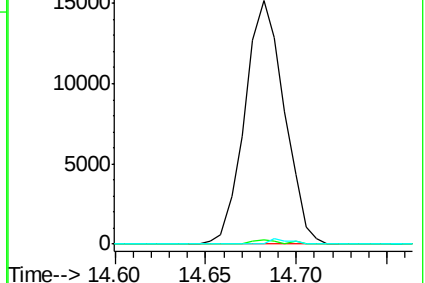
89 0.0 44.9 67.3#

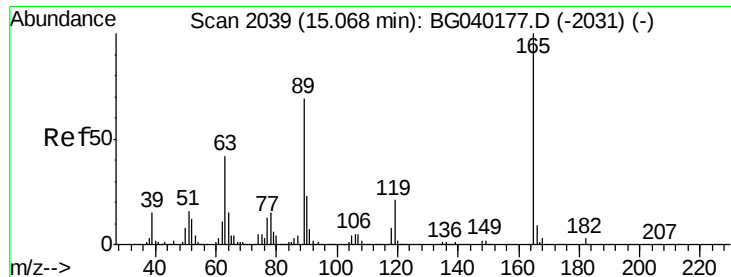


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

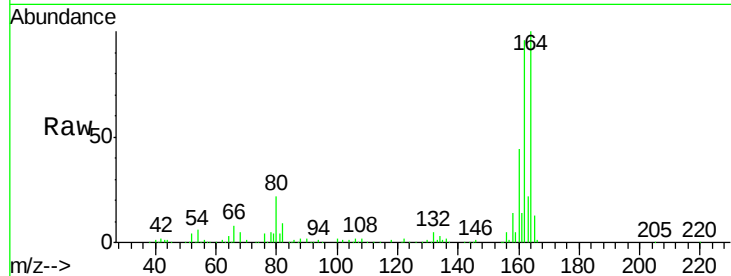




#57
 2,4-Dinitrotoluene
 Concen: 5.185 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.39 min
 Lab File: BG040311.D
 Acq: 3 Apr 2019 00:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	33.8	50.6#
89	0.0	55.4	83.2#
182	0.0	2.2	3.4#

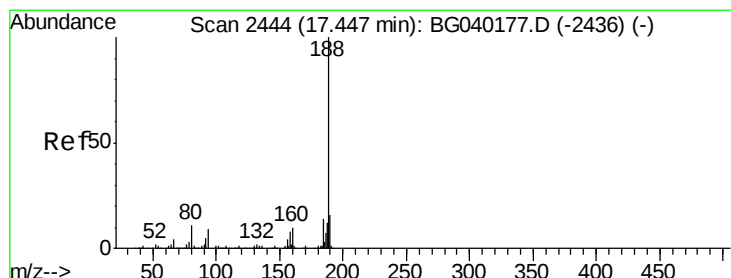
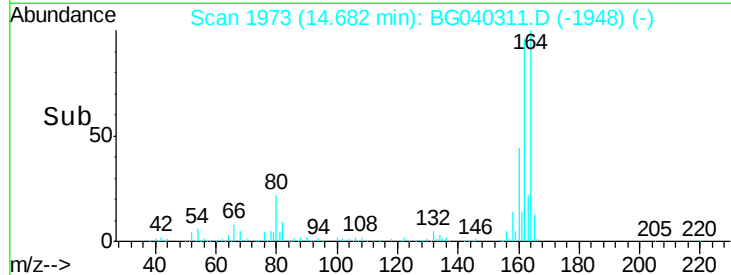
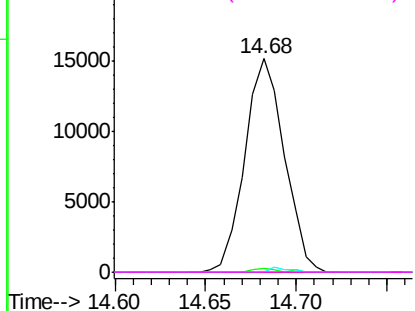


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

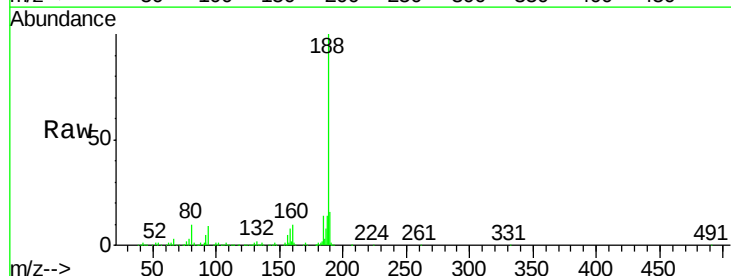
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.02 min
 Lab File: BG040311.D
 Acq: 3 Apr 2019 00:41

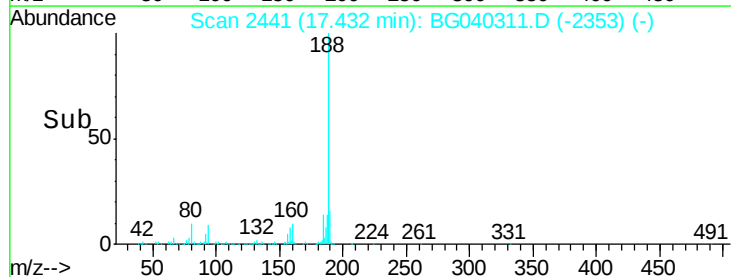
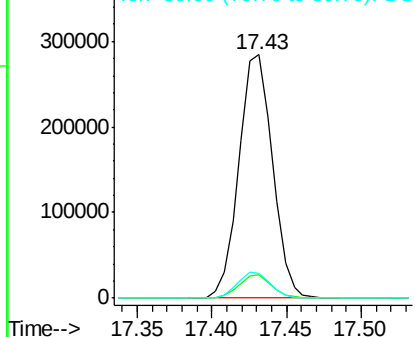
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.0	10.4
80	10.2	8.6	13.0

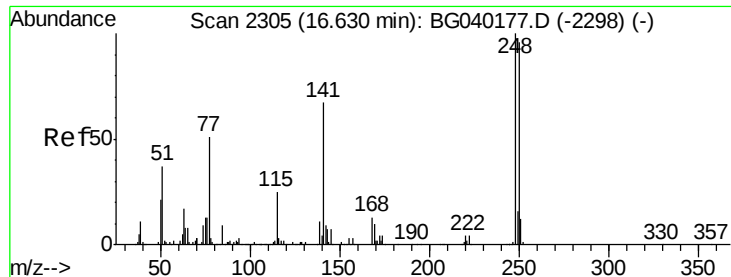


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

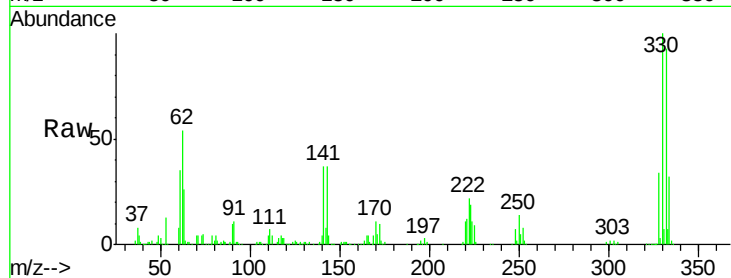




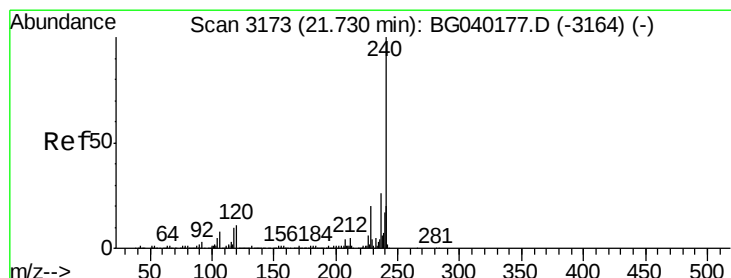
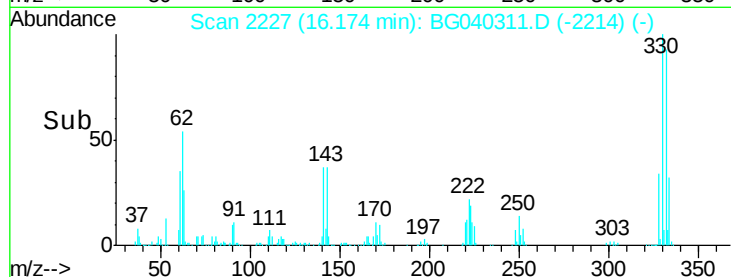
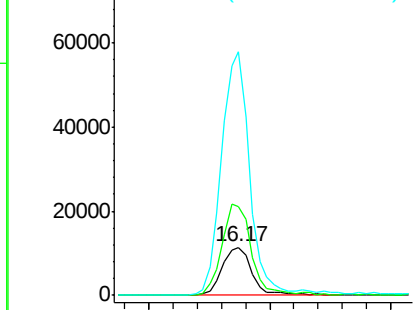
#67
 4-Bromophenyl-phenylether
 Concen: 3.876 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.46 min
 Lab File: BG040311.D
 Acq: 3 Apr 2019 00:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 19410
 Ion Ratio Lower Upper
 248 100
 250 184.0 76.4 114.6#
 141 504.7 53.8 80.8#

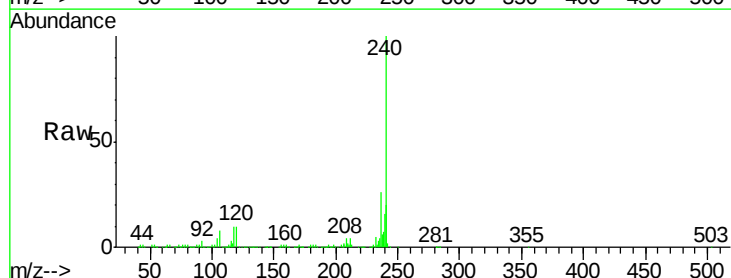


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

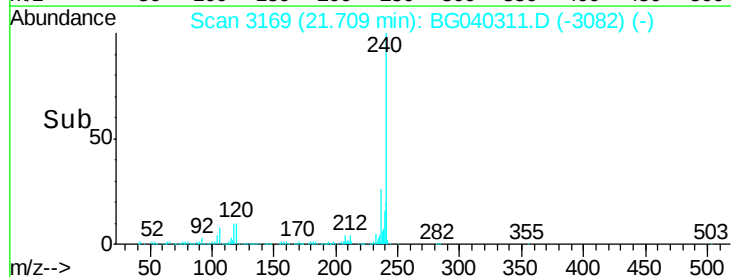
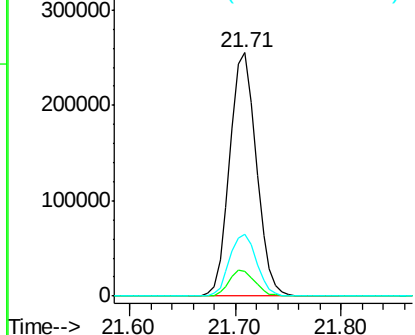


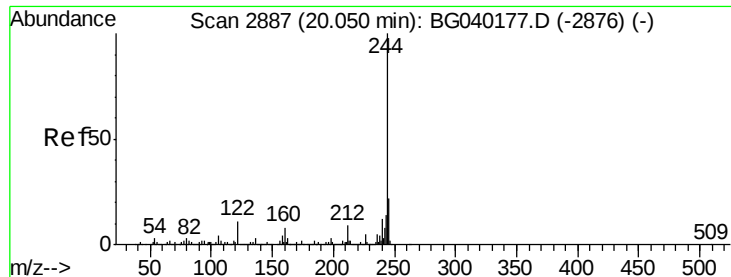
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.71 min Scan# 3169
 Delta R.T. -0.02 min
 Lab File: BG040311.D
 Acq: 3 Apr 2019 00:41

Tgt Ion:240 Resp: 446192
 Ion Ratio Lower Upper
 240 100
 120 10.3 8.4 12.6
 236 25.6 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: 86.831 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.02 min

Lab File: BG040311.D

Acq: 3 Apr 2019 00:41

Instrument :

BNA_G

ClientSampleId :

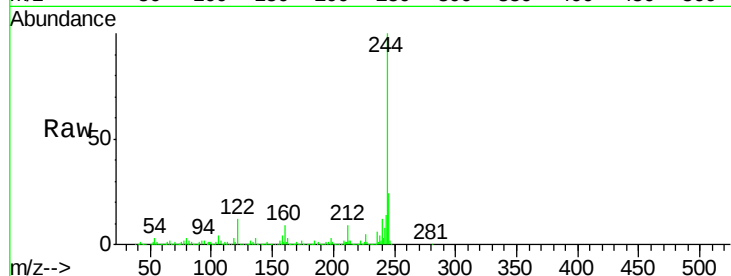
Tot Ion:244 Resp: 1722197

Ion Ratio Lower Upper

244 100

212 9.4 7.0 10.6

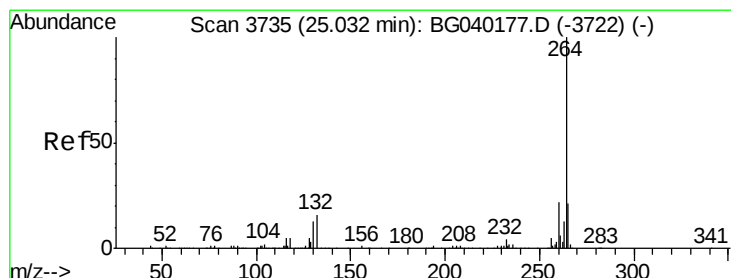
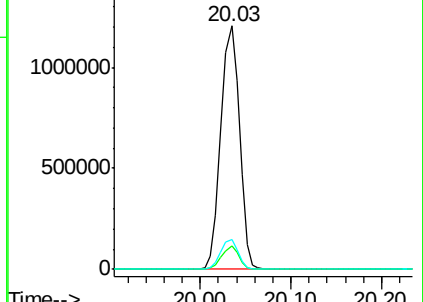
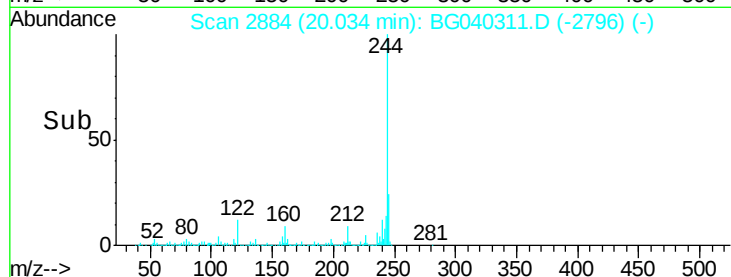
122 12.1 8.5 12.7



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: 25.02 min Scan# 3732

Delta R.T. -0.02 min

Lab File: BG040311.D

Acq: 3 Apr 2019 00:41

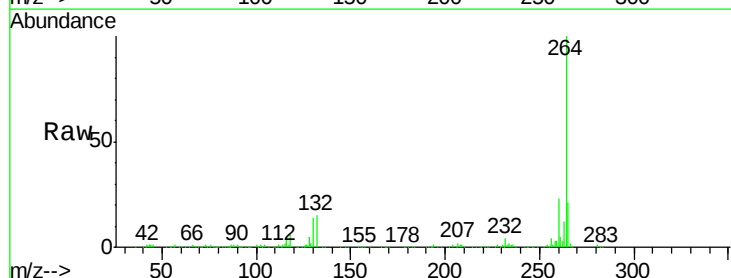
Tgt Ion:264 Resp: 443845

Ion Ratio Lower Upper

264 100

260 23.4 17.9 26.9

265 21.2 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

