

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021419\
 Data File : BG039511.D
 Acq On : 14 Feb 2019 18:00
 Operator : JU/SJ
 Sample : K1349-06
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-01-021319-A

Quant Time: Feb 15 03:10:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

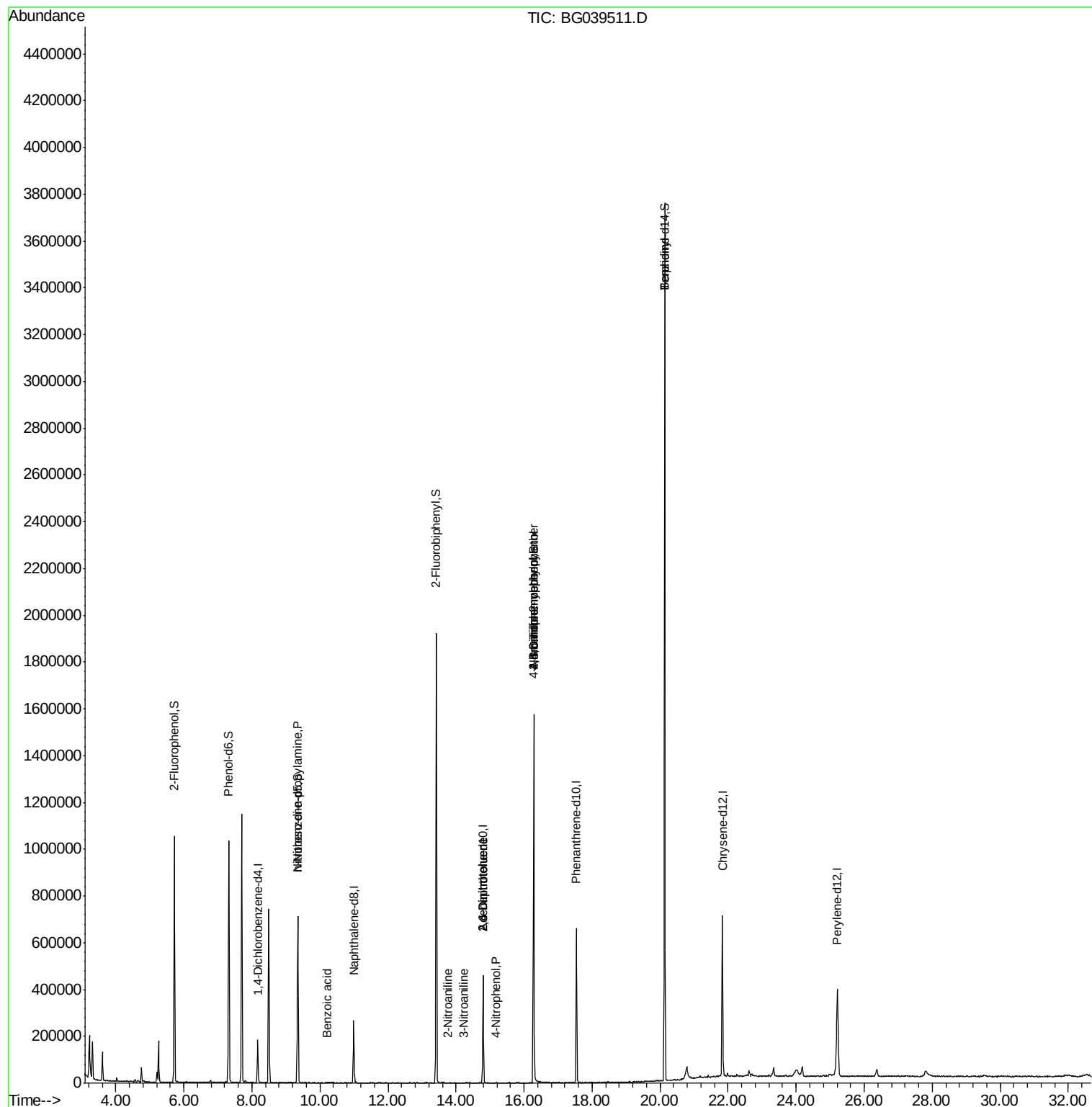
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	50474	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	227649	20.00	ng	-0.02
39) Acenaphthene-d10	14.80	164	164340	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	415594	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	418982	20.00	ng	-0.02
87) Perylene-d12	25.21	264	415844	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	442240	149.96	ng	0.00
7) Phenol-d6	7.32	99	604244	139.20	ng	0.00
23) Nitrobenzene-d5	9.35	82	414188	113.66	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	287948	162.71	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	1024276	89.41	ng	-0.02
79) Terphenyl-d14	20.13	244	1702416	86.01	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.32	77	942	Below Cal		Qvalue # 25
19) n-Nitroso-di-n-propylamine	9.35	70	54205	17.593	ng	# 72
32) Benzoic acid	10.21	122	70	9.048	ng	# 44
48) 2-Nitroaniline	13.75	65	61	8.313	ng	# 10
51) 2,6-Dinitrotoluene	14.79	165	22122	14.258	ng	# 24
53) 3-Nitroaniline	14.21	138	60	5.812	ng	# 1
56) 4-Nitrophenol	15.18	139	271	5.899	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	22122	13.652	ng	# 19
62) 4-Nitroaniline	16.27	138	74	4.227	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.28	198	977	4.929	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	22734	4.931	ng	# 1
77) Benzidine	20.13	184	30985	2.256	ng	# 90

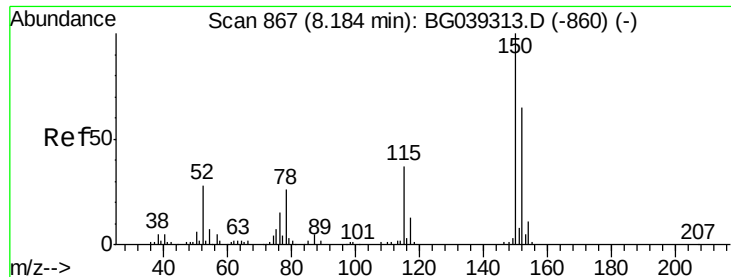
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.17 min Scan# 865

Delta R.T. -0.01 min

Lab File: BG039511.D

Acq: 14 Feb 2019 18:00

Instrument :

BNA_G

ClientSampleId :

OR-01-021319-A

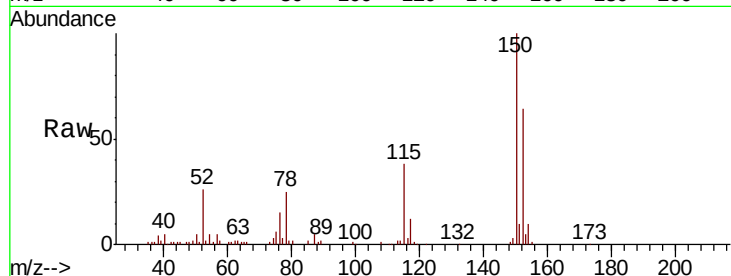
Tgt Ion:152 Resp: 50474

Ion Ratio Lower Upper

152 100

150 157.5 123.7 185.5

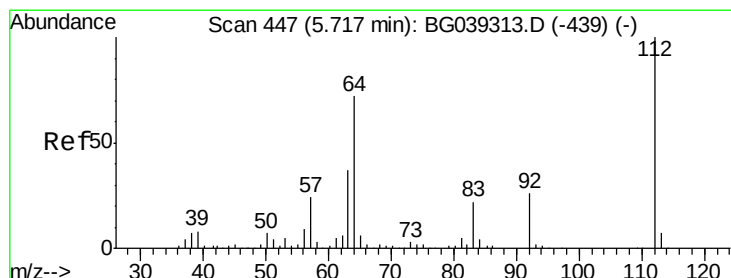
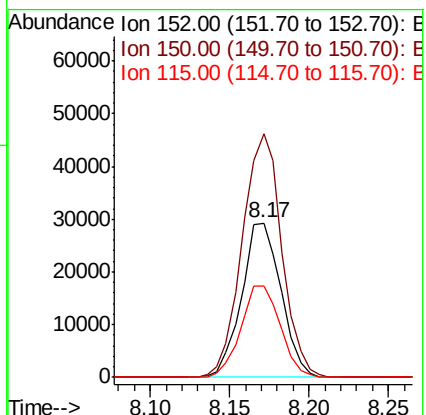
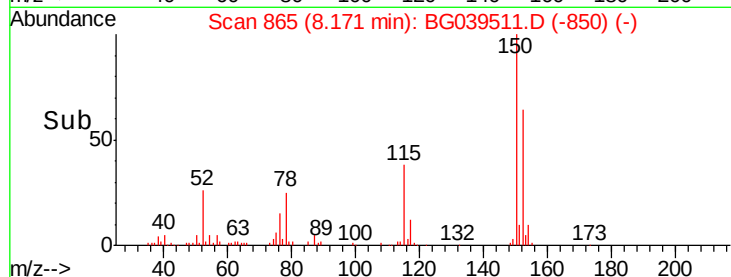
115 59.1 45.9 68.9



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: 149.958 ng

RT: 5.72 min Scan# 447

Delta R.T. -0.00 min

Lab File: BG039511.D

Acq: 14 Feb 2019 18:00

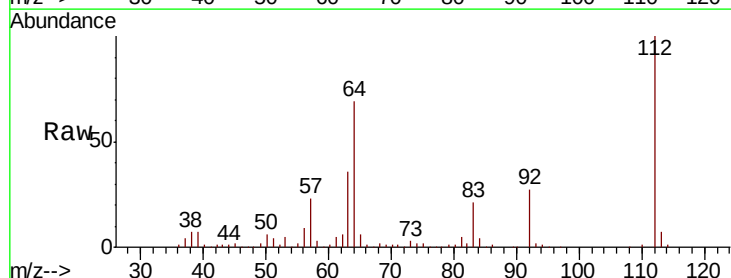
Tgt Ion:112 Resp: 442240

Ion Ratio Lower Upper

112 100

64 69.0 57.8 86.8

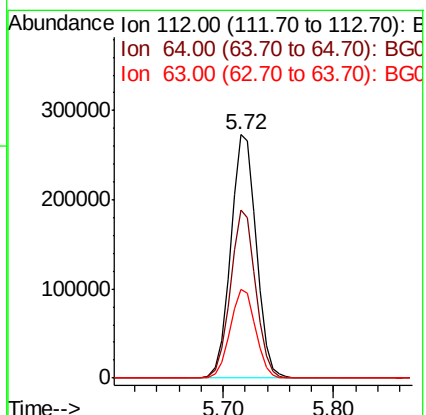
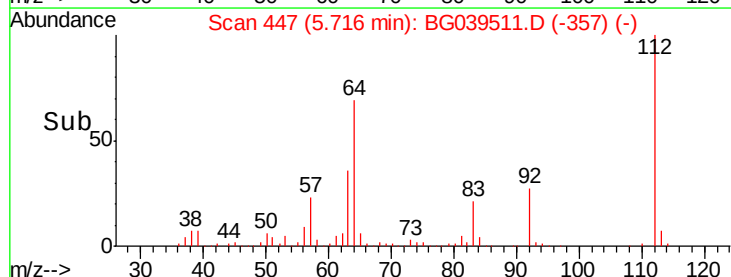
63 36.3 29.8 44.6

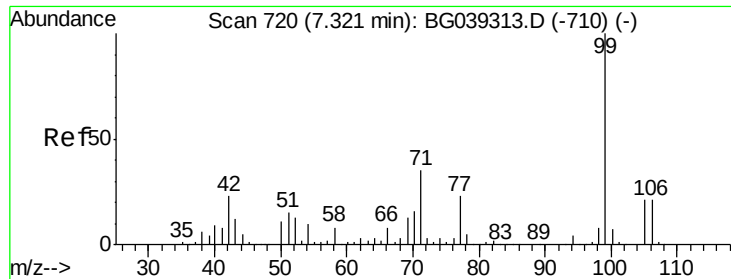


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 139.195 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039511.D

Acq: 14 Feb 2019 18:00

Instrument :

BNA_G

ClientSampleId :

OR-01-021319-A

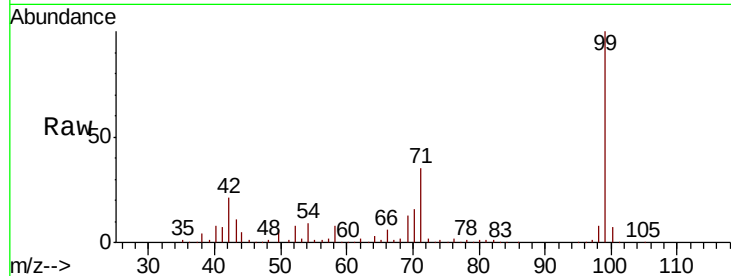
Tgt Ion: 99 Resp: 604244

Ion Ratio Lower Upper

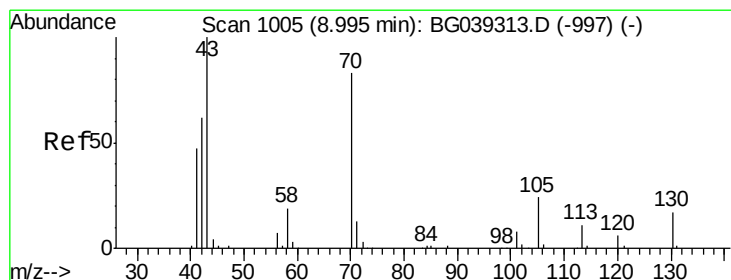
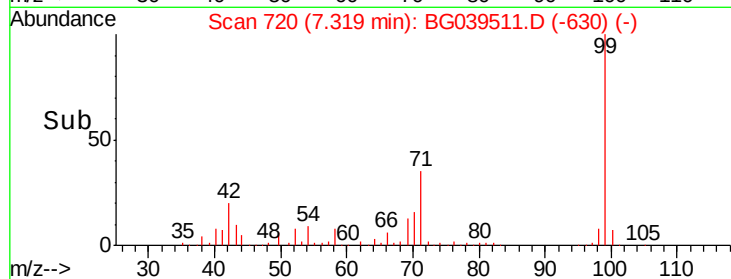
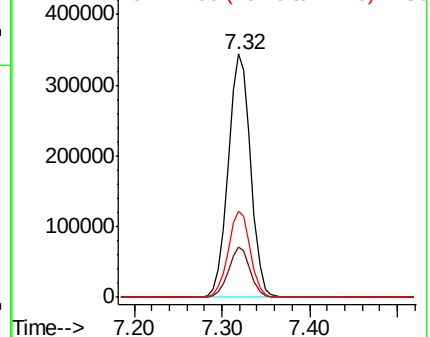
99 100

42 20.6 18.2 27.2

71 35.4 28.0 42.0



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: 17.593 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039511.D

Acq: 14 Feb 2019 18:00

Tgt Ion: 70 Resp: 54205

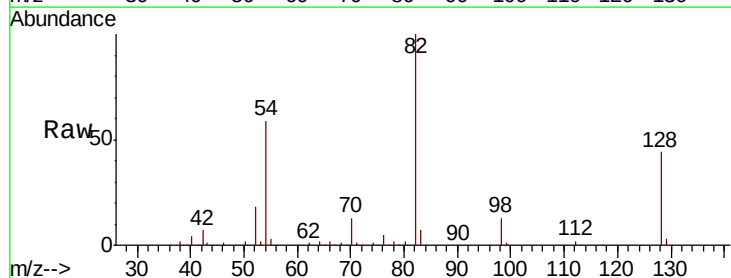
Ion Ratio Lower Upper

70 100

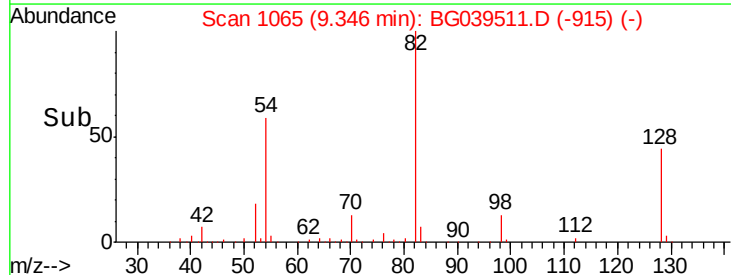
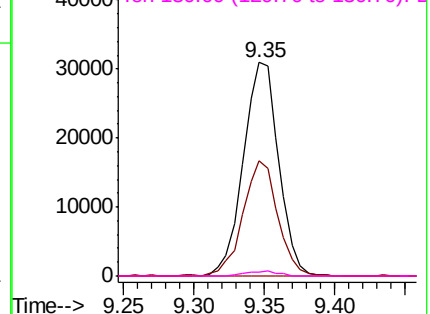
42 54.1 60.4 90.6#

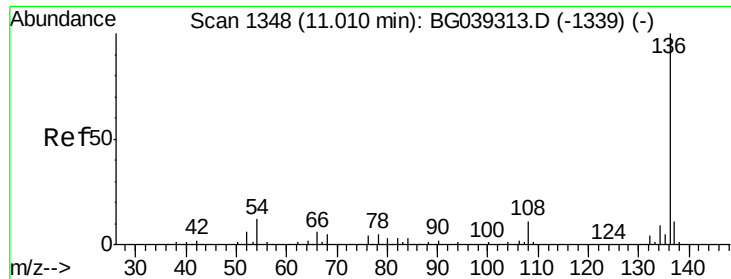
101 0.0 7.5 11.3#

130 1.6 16.9 25.3#



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

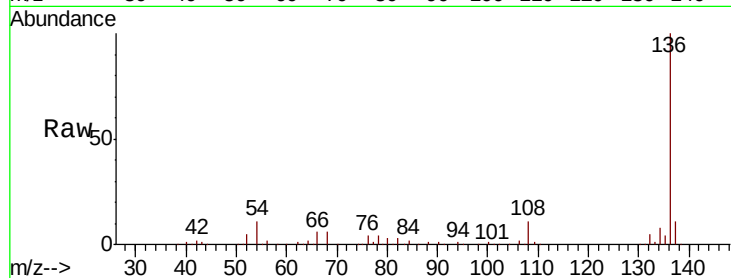




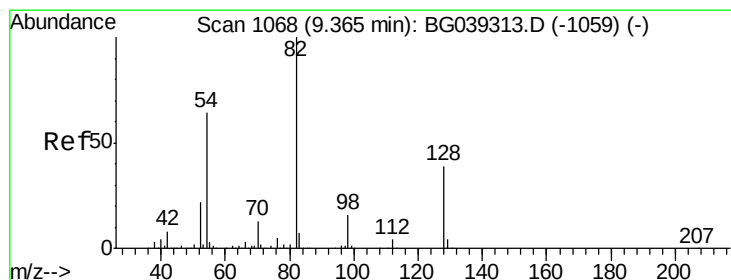
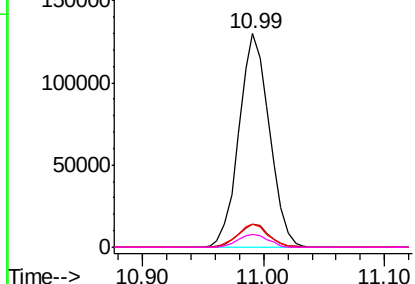
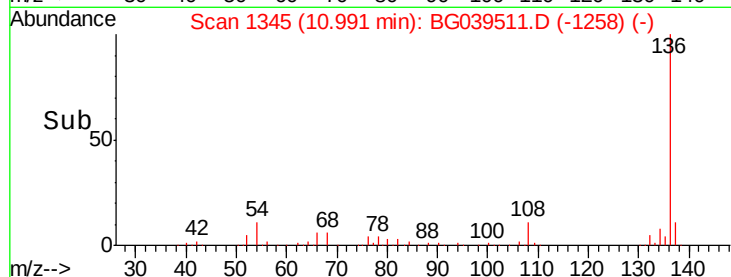
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039511.D
Acq: 14 Feb 2019 18:00

Instrument :
BNA_G
ClientSampleId :
OR-01-021319-A

Tgt Ion:	136	Resp:	227649
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	10.7	9.4	14.2
68	5.9	4.2	6.4

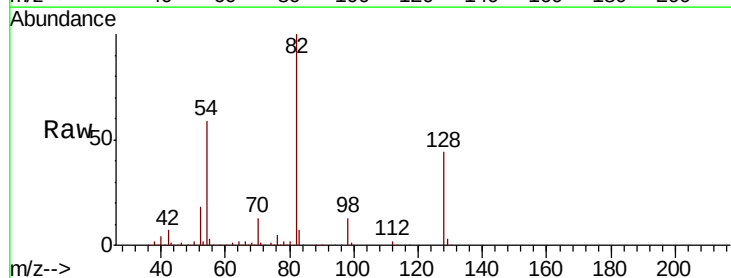


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

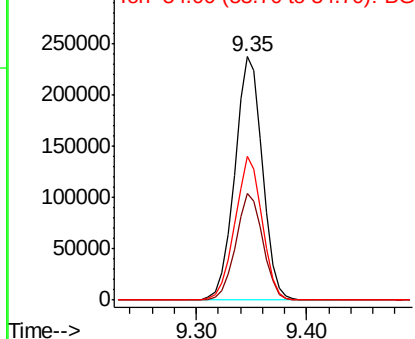
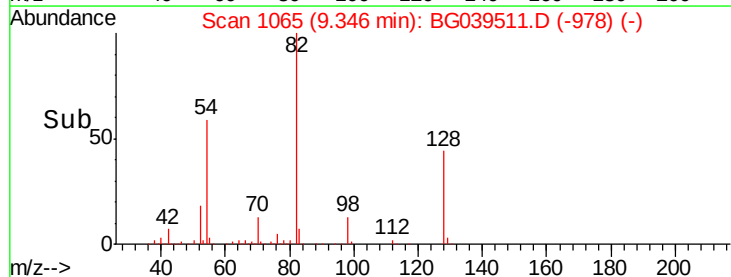


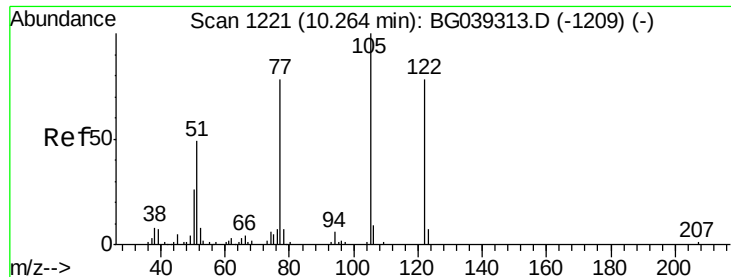
#23
Nitrobenzene-d5
Concen: 113.662 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039511.D
Acq: 14 Feb 2019 18:00

Tgt Ion:	82	Resp:	414188
Ion	Ratio	Lower	Upper
82	100		
128	43.8	31.3	46.9
54	59.0	50.9	76.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
300000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 9.048 ng

RT: 10.21 min Scan# 1212

Delta R.T. -0.05 min

Lab File: BG039511.D

Acq: 14 Feb 2019 18:00

Instrument :

BNA_G

ClientSampleId :

OR-01-021319-A

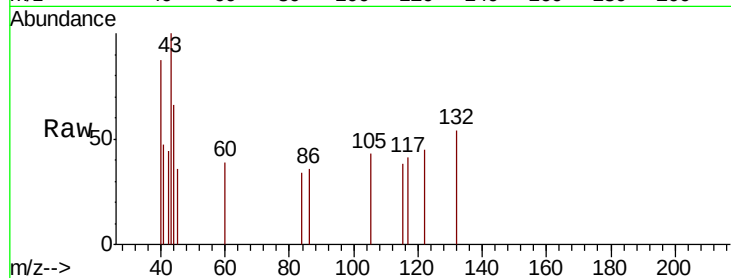
Tgt Ion:122 Resp: 70

Ion Ratio Lower Upper

122 100

105 97.0 101.8 141.8#

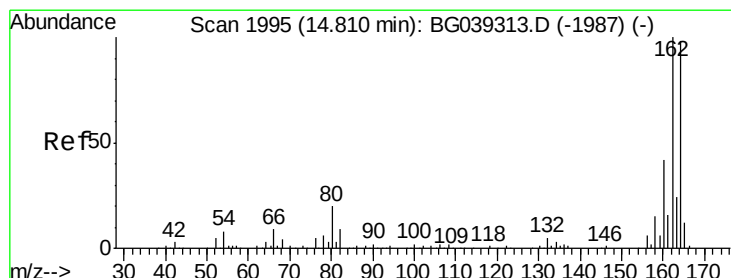
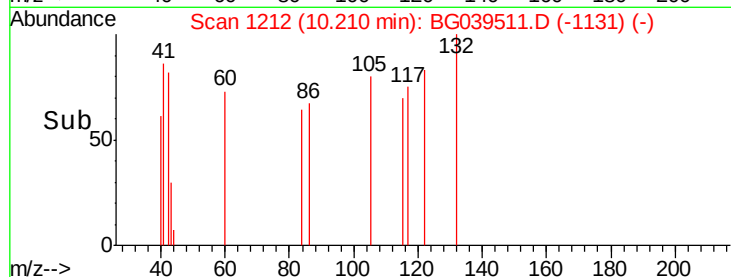
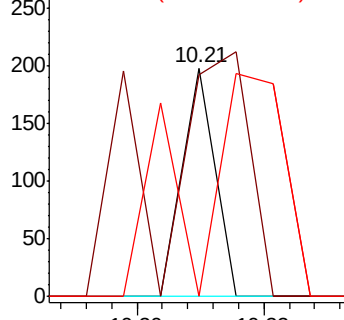
77 0.0 76.3 116.3#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039511.D

Acq: 14 Feb 2019 18:00

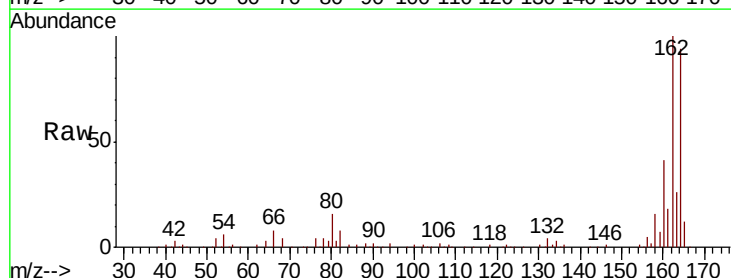
Tgt Ion:164 Resp: 164340

Ion Ratio Lower Upper

164 100

162 106.6 81.6 122.4

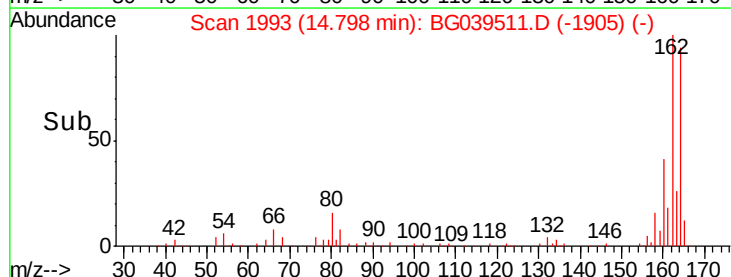
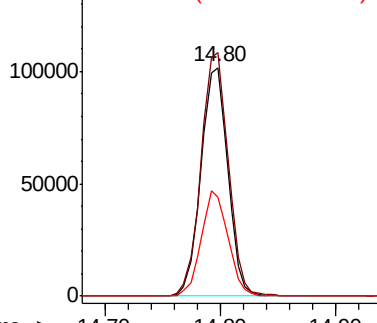
160 43.2 34.2 51.2

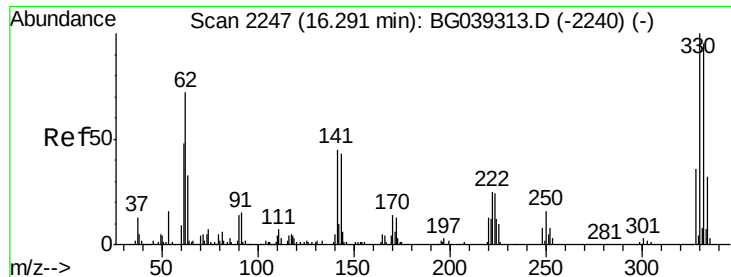


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 162.714 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039511.D

Acq: 14 Feb 2019 18:00

Instrument :

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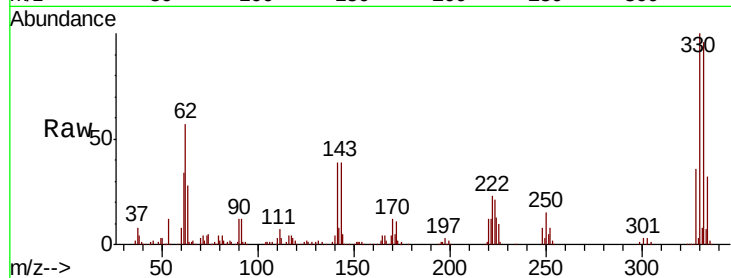
Tgt Ion:330 Resp: 287948

Ion Ratio Lower Upper

330 100

332 95.2 75.7 113.5

141 40.8 35.6 53.4

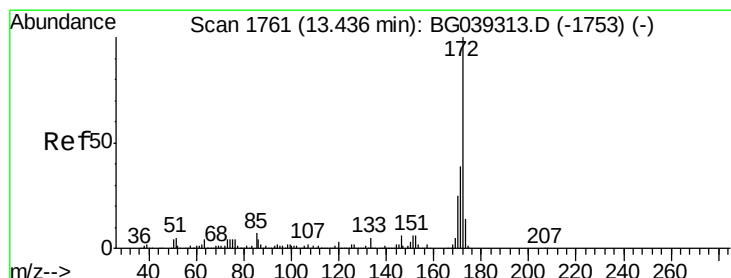
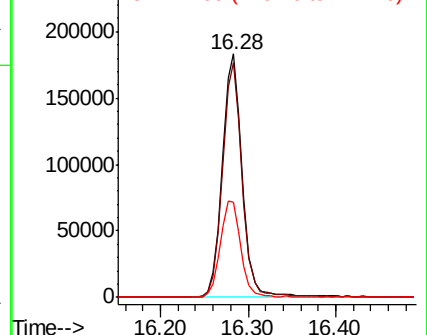
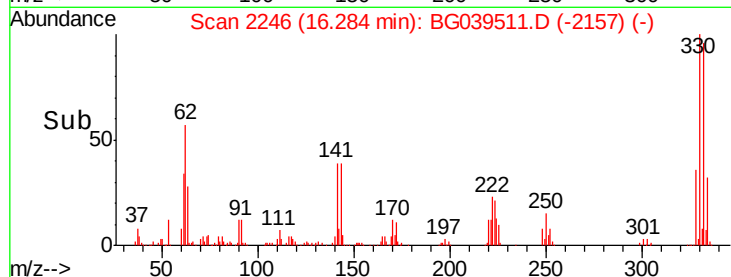


Abundance

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: 89.411 ng

RT: 13.42 min Scan# 1758

Delta R.T. -0.02 min

Lab File: BG039511.D

Acq: 14 Feb 2019 18:00

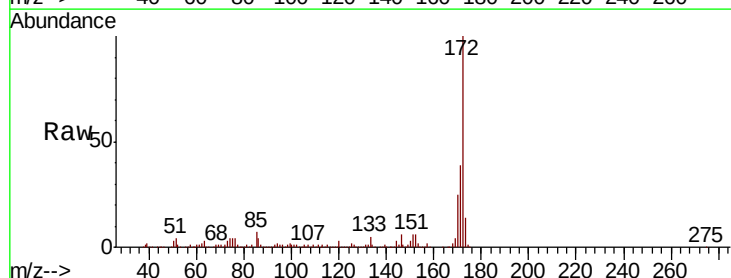
Tgt Ion:172 Resp: 1024276

Ion Ratio Lower Upper

172 100

171 39.0 30.8 46.2

170 25.3 20.2 30.4

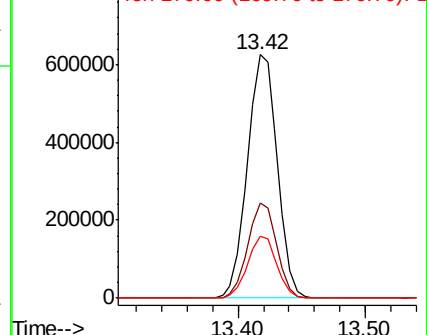
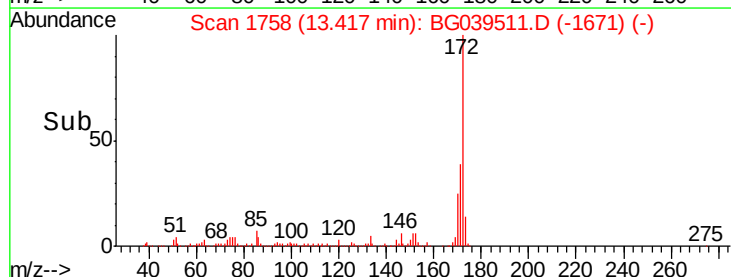


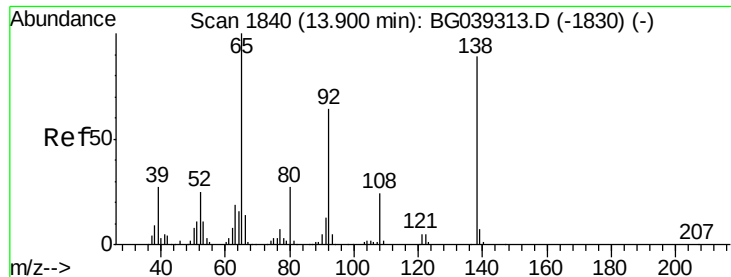
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 8.313 ng

RT: 13.75 min Scan# 1815

Delta R.T. -0.15 min

Lab File: BG039511.D

Acq: 14 Feb 2019 18:00

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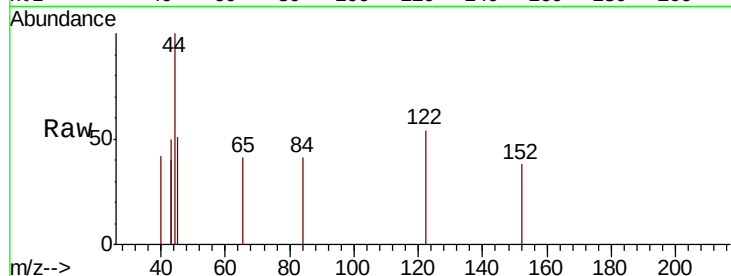
Tgt Ion: 65 Resp: 61

Ion Ratio Lower Upper

65 100

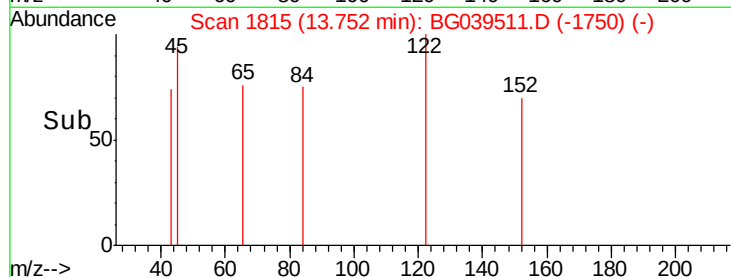
92 0.0 51.4 77.2#

138 0.0 71.4 107.2#

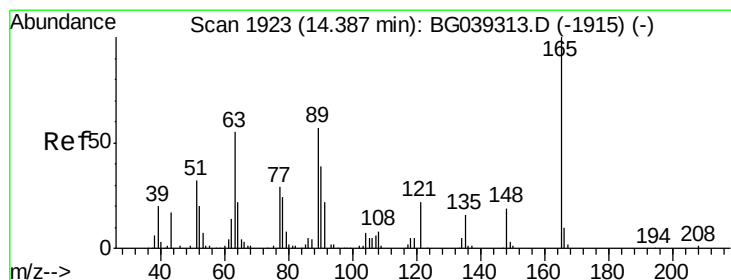


Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

13.75



Time-->



#51

2,6-Dinitrotoluene

Concen: 14.258 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039511.D

Acq: 14 Feb 2019 18:00

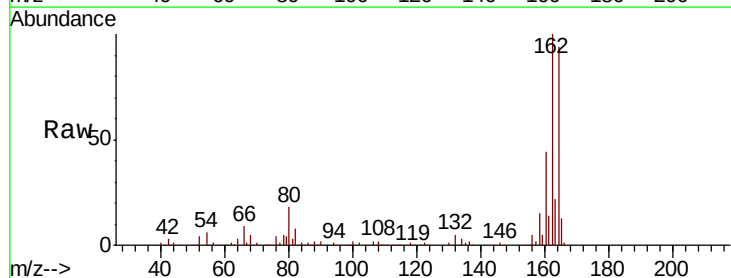
Tgt Ion: 165 Resp: 22122

Ion Ratio Lower Upper

165 100

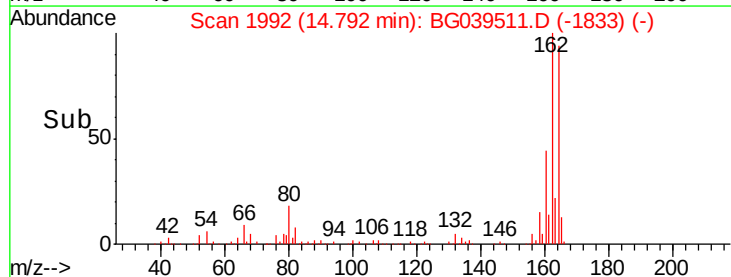
63 1.3 47.0 70.6#

89 1.4 45.8 68.8#

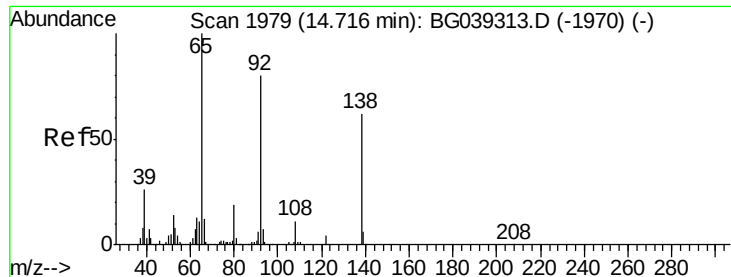


Abundance Ion 165.00 (164.70 to 165.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

14.79



Time-->



#53

3-Nitroaniline

Concen: 5.812 ng

RT: 14.21 min Scan# 1893

Delta R.T. -0.51 min

Lab File: BG039511.D

Acq: 14 Feb 2019 18:00

Instrument :

BNA_G

ClientSampleId :

OR-01-021319-A

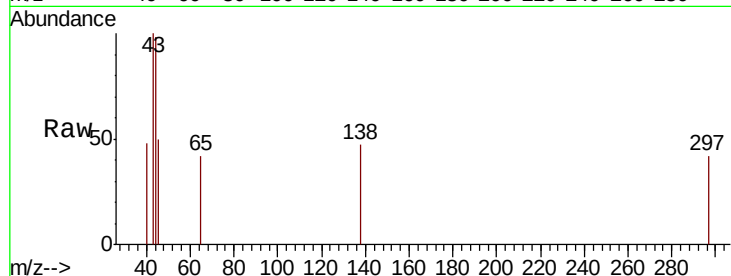
Tgt Ion:138 Resp: 60

Ion Ratio Lower Upper

138 100

108 0.0 13.8 20.8#

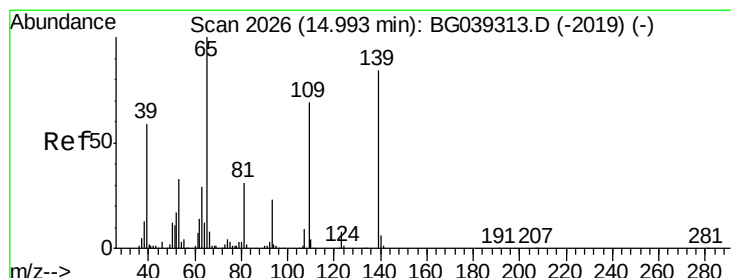
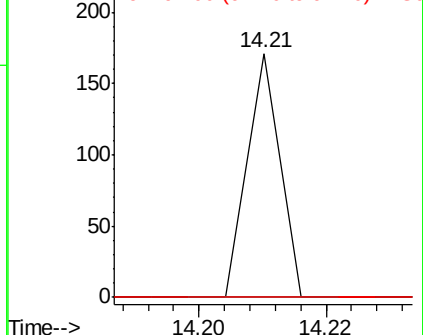
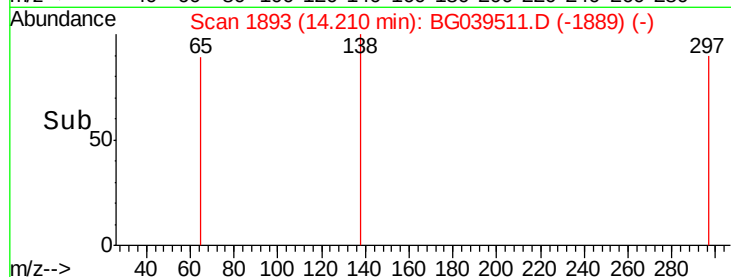
92 0.0 103.7 155.5#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#56

4-Nitrophenol

Concen: 5.899 ng

RT: 15.18 min Scan# 2058

Delta R.T. 0.19 min

Lab File: BG039511.D

Acq: 14 Feb 2019 18:00

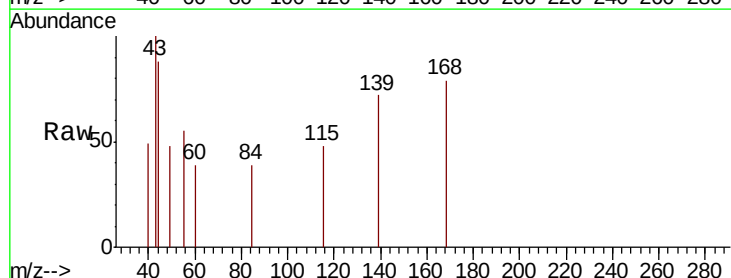
Tgt Ion:139 Resp: 271

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

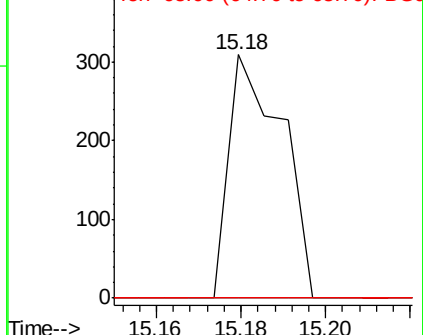
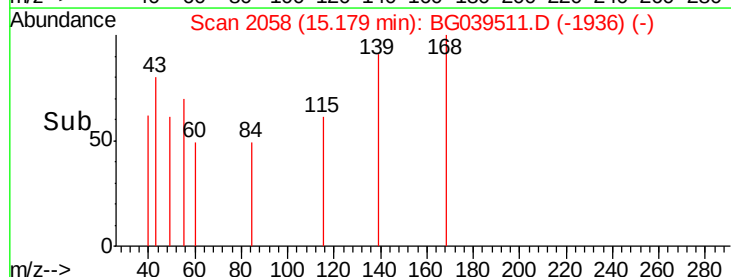
65 0.0 99.1 139.1#

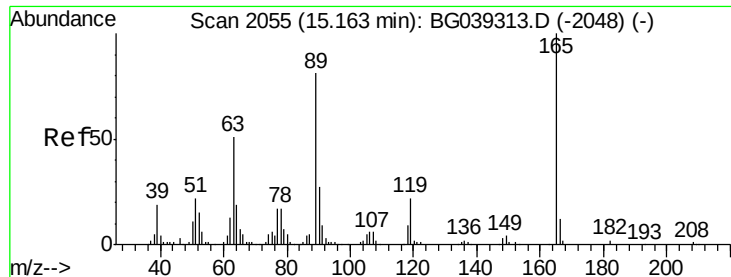


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

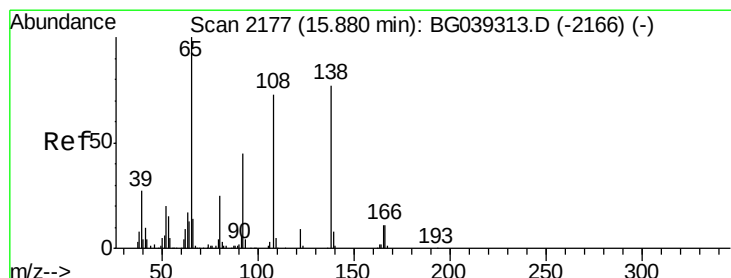
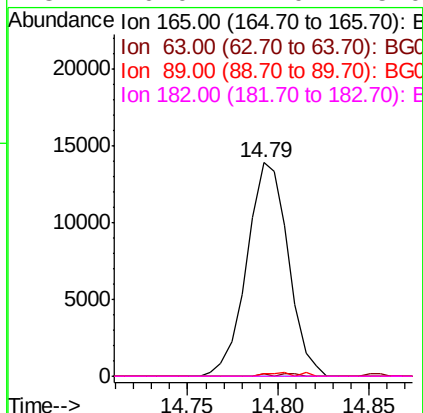
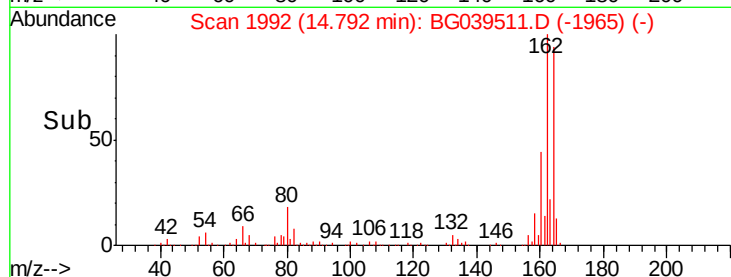
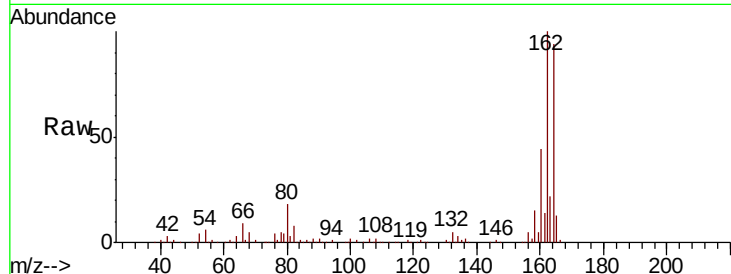




#57
 2,4-Dinitrotoluene
 Concen: 13.652 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.37 min
 Lab File: BG039511.D
 Acq: 14 Feb 2019 18:00

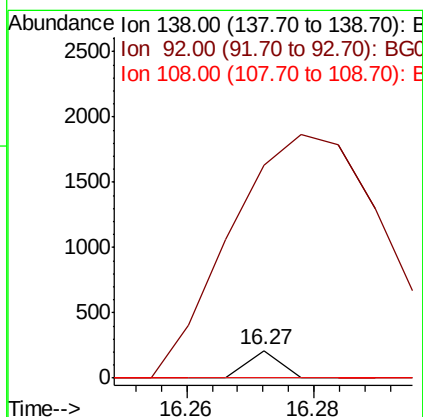
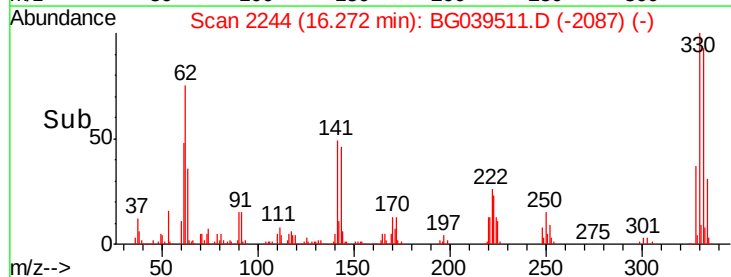
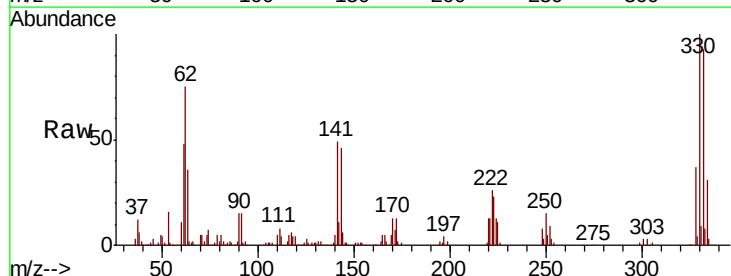
Instrument :
 BNA_G
 ClientSampleId :
 OR-01-021319-A

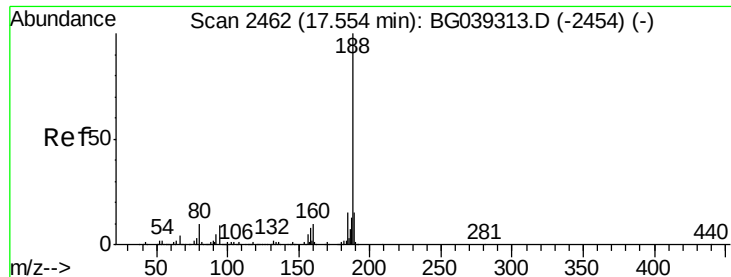
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	41.0	61.6#
89	1.4	64.6	96.8#
182	0.0	2.0	3.0#



#62
 4-Nitroaniline
 Concen: 4.227 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. 0.39 min
 Lab File: BG039511.D
 Acq: 14 Feb 2019 18:00

Tgt Ion	Ratio	Lower	Upper
138	100		
92	772.0	38.7	78.7#
108	0.0	74.6	114.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039511.D

Acq: 14 Feb 2019 18:00

Instrument :

BNA_G

ClientSampleId :

OR-01-021319-A

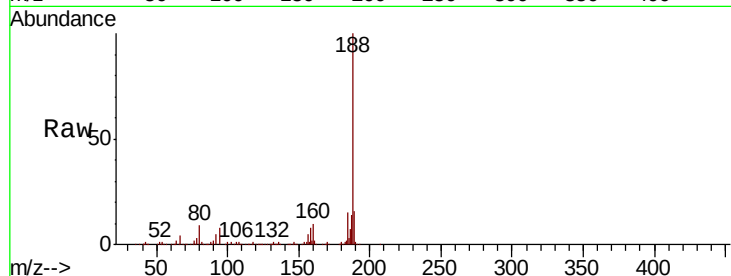
Tgt Ion:188 Resp: 415594

Ion Ratio Lower Upper

188 100

94 7.8 6.9 10.3

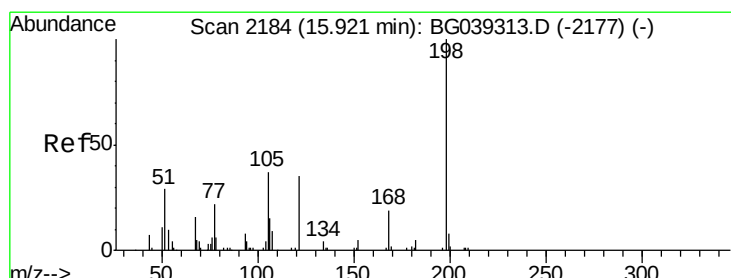
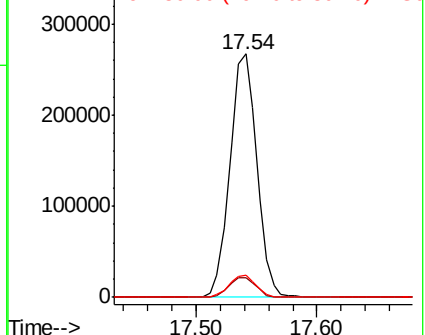
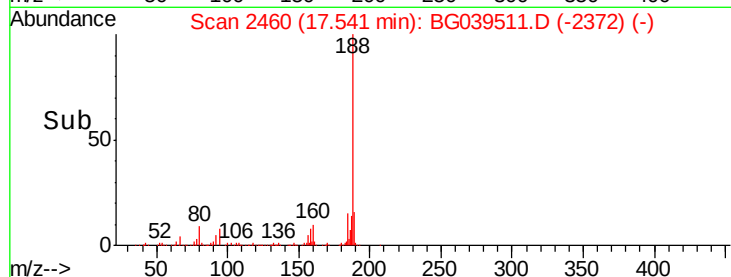
80 9.0 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG039511.D (-2372) (-)

Ion 80.00 (79.70 to 80.70): BG039511.D (-2372) (-)



#65

4,6-Dinitro-2-methylphenol

Concen: 4.929 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039511.D

Acq: 14 Feb 2019 18:00

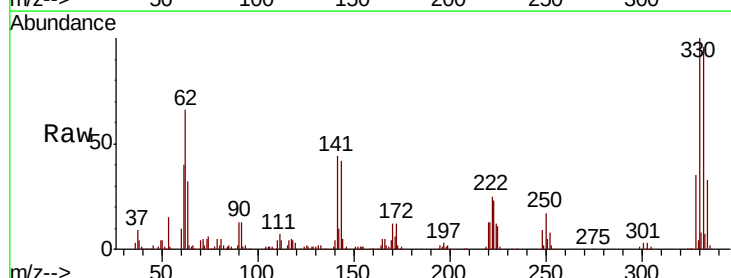
Tgt Ion:198 Resp: 977

Ion Ratio Lower Upper

198 100

51 121.7 27.4 67.4#

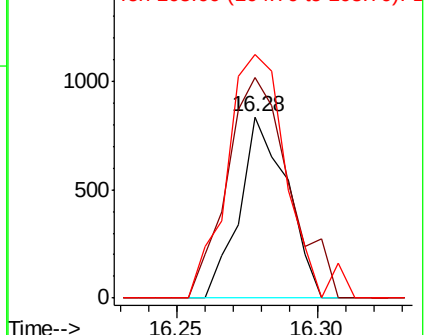
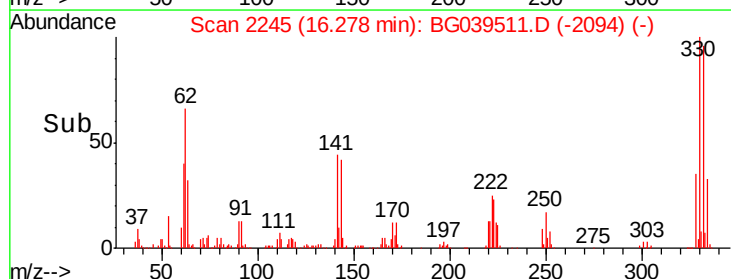
105 134.3 19.7 59.7#

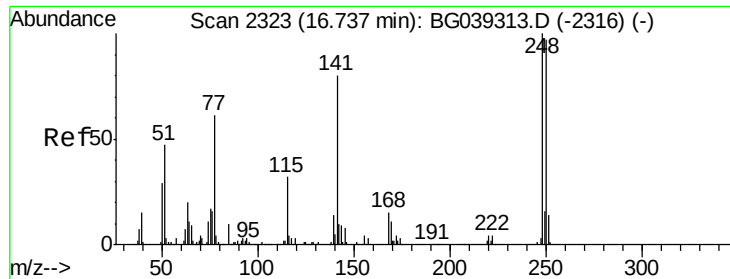


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG039511.D (-2094) (-)

Ion 105.00 (104.70 to 105.70): BG039511.D (-2094) (-)

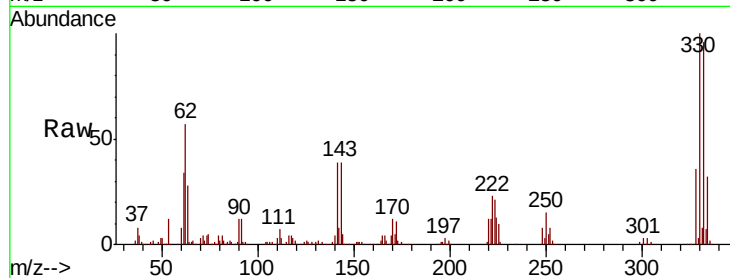




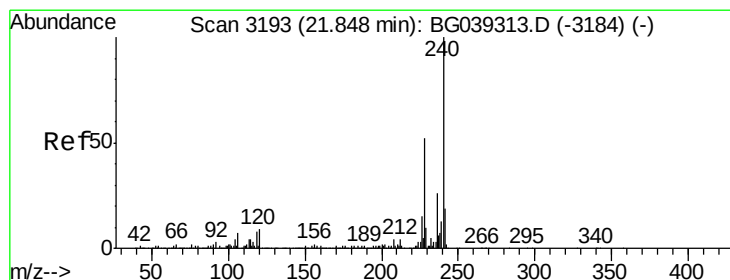
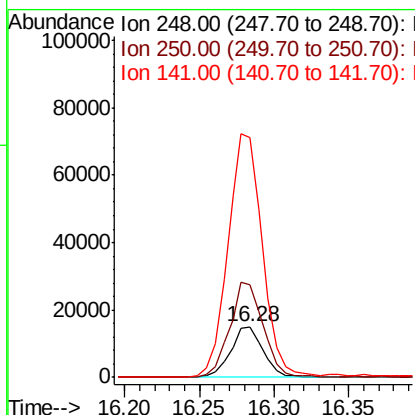
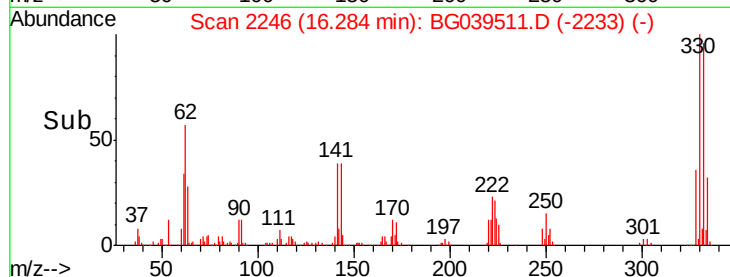
#67
 4-Bromophenyl-phenylether
 Concen: 4.931 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.45 min
 Lab File: BG039511.D
 Acq: 14 Feb 2019 18:00

Instrument :
 BNA_G
 ClientSampleId :
 OR-01-021319-A

Tgt Ion:248 Resp: 22734
 Ion Ratio Lower Upper
 248 100
 250 181.8 77.6 116.4#
 141 471.5 63.9 95.9#

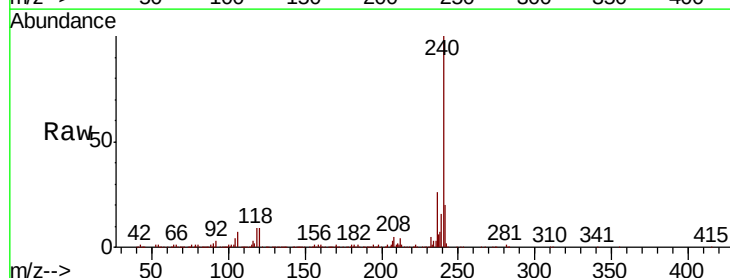


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

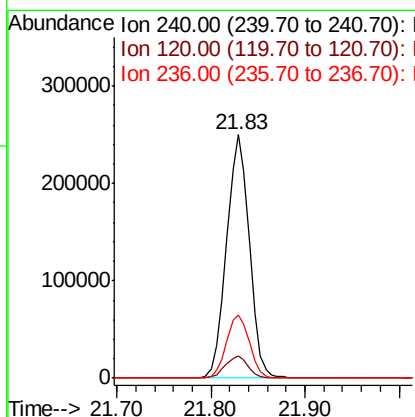
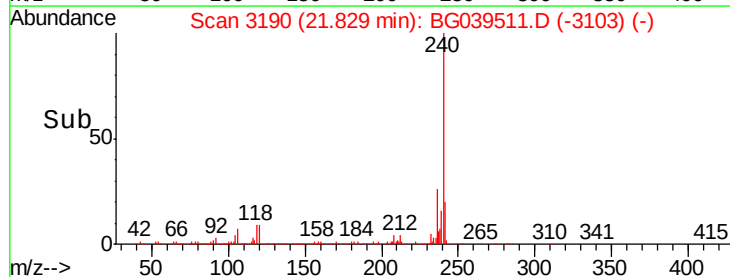


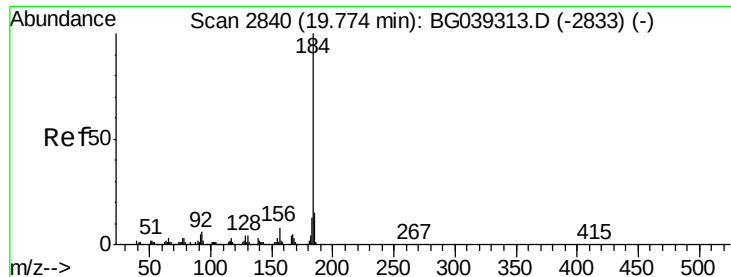
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3190
 Delta R.T. -0.02 min
 Lab File: BG039511.D
 Acq: 14 Feb 2019 18:00

Tgt Ion:240 Resp: 418982
 Ion Ratio Lower Upper
 240 100
 120 8.9 7.0 10.6
 236 25.8 21.0 31.4



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.256 ng

RT: 20.13 min Scan# 2901

Delta R.T. 0.36 min

Lab File: BG039511.D

Acq: 14 Feb 2019 18:00

Instrument :

BNA_G

ClientSampleId :

OR-01-021319-A

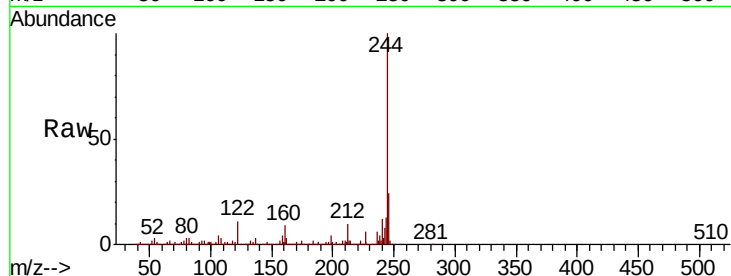
Tgt Ion:184 Resp: 30985

Ion Ratio Lower Upper

184 100

185 18.2 12.2 18.2

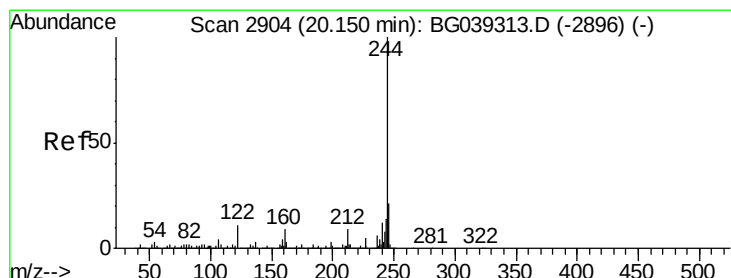
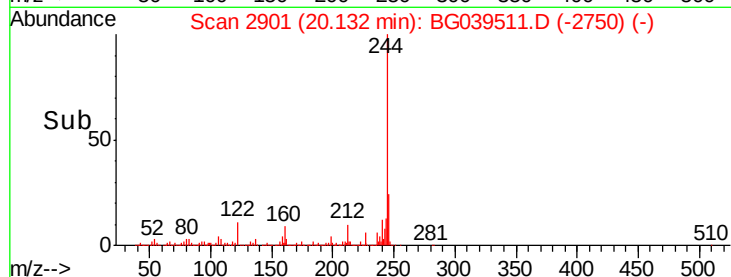
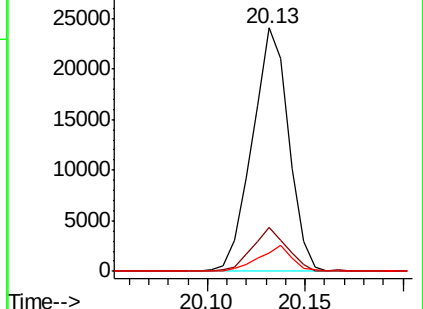
183 7.7 10.6 15.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 86.006 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039511.D

Acq: 14 Feb 2019 18:00

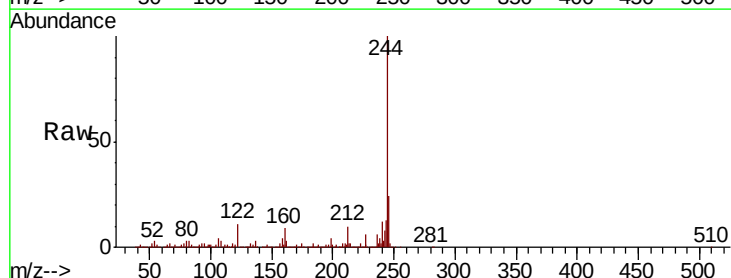
Tgt Ion:244 Resp: 1702416

Ion Ratio Lower Upper

244 100

212 10.1 7.3 10.9

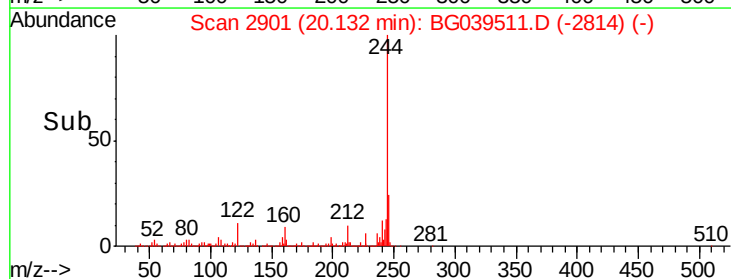
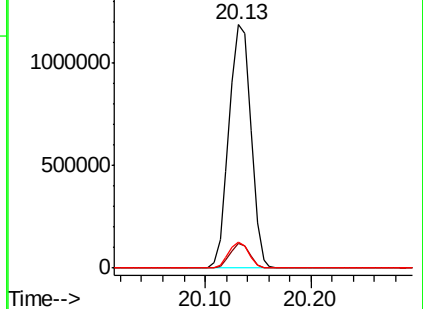
122 10.9 8.4 12.6

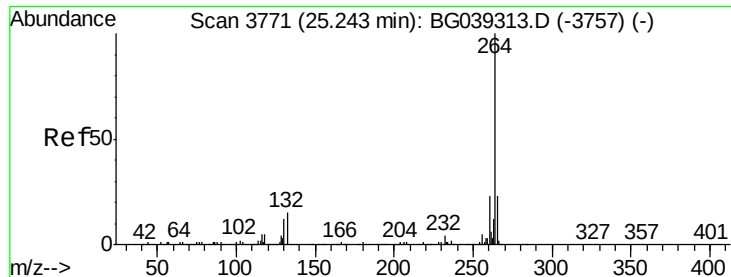


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.21 min Scan# 3766
Delta R.T. -0.03 min
Lab File: BG039511.D
Acq: 14 Feb 2019 18:00

Instrument :
BNA_G
ClientSampleId :
OR-01-021319-A

Tgt Ion:	264	Resp:	415844
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.4
265	22.6	18.5	27.7

