

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022619\
 Data File : BG039610.D
 Acq On : 26 Feb 2019 21:19
 Operator : JU/SJ
 Sample : K1594-31
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-4B(14-15)

Quant Time: Feb 27 00:00:34 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	52531	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	220549	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	151130	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	383400	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	411850	20.00	ng	-0.03
87) Perylene-d12	25.20	264	420838	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	461339	150.31	ng	0.00
7) Phenol-d6	7.32	99	662195	146.57	ng	0.00
23) Nitrobenzene-d5	9.34	82	385377	109.16	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	267084	164.12	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	893655	84.83	ng	-0.02
79) Terphenyl-d14	20.12	244	1447118	74.37	ng	-0.03

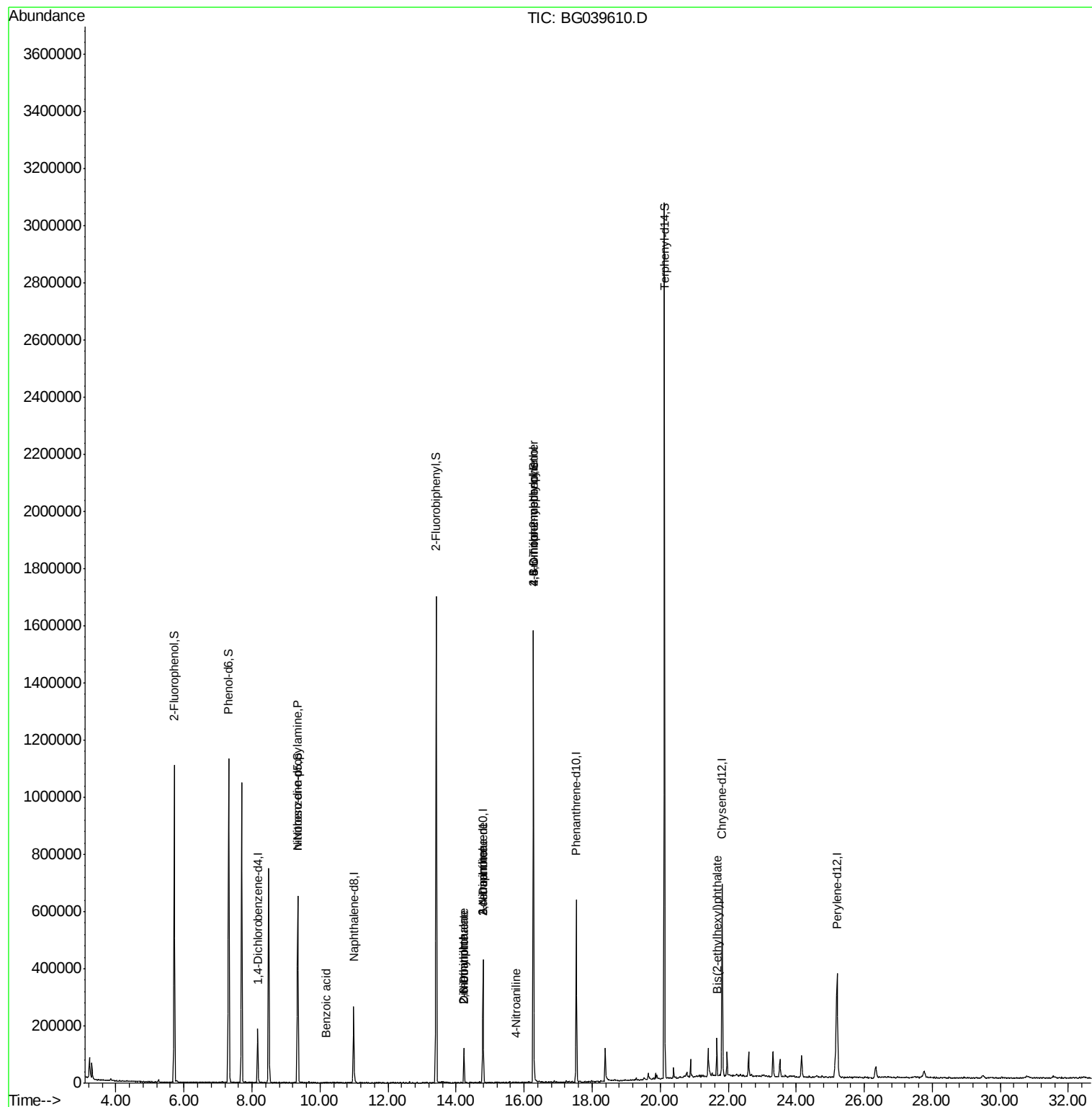
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1757	Below Cal		# 26
19) n-Nitroso-di-n-propylamine	9.34	70	49227	15.352	ng	# 67
32) Benzoic acid	10.18	122	63	9.046	ng	# 1
48) 2-Nitroaniline	14.24	65	750	8.525	ng	# 1
50) Dimethylphthalate	14.23	163	85166	6.977	ng	100
51) 2,6-Dinitrotoluene	14.24	165	811	6.866	ng	# 28
53) 3-Nitroaniline	14.80	138	55	5.812	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	19561	13.428	ng	# 18
62) 4-Nitroaniline	15.78	138	70	4.227	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.28	198	957	4.975	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	20975	4.931	ng	# 1
84) Bis(2-ethylhexyl)phthalate	21.67	149	54299	3.519	ng	98

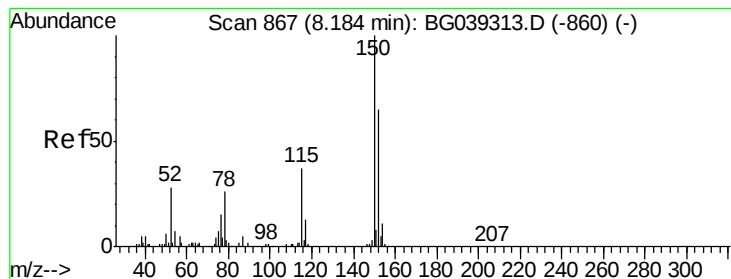
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
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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: BG039610.D

Acq: 26 Feb 2019 21:19

Instrument :

BNA_G

ClientSampleId :

B-4B(14-15)

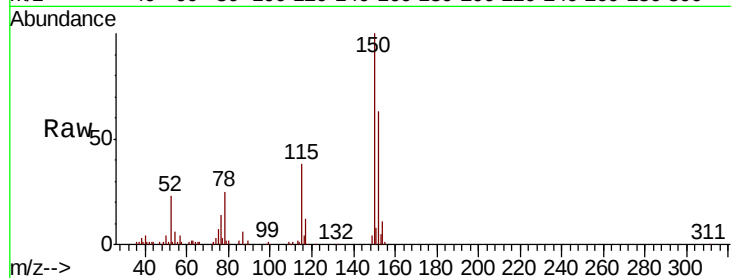
Tgt Ion:152 Resp: 52531

Ion Ratio Lower Upper

152 100

150 158.7 123.7 185.5

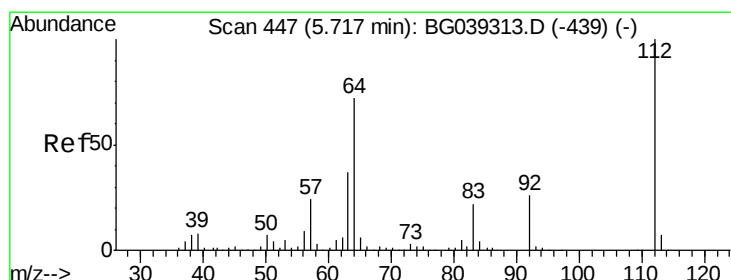
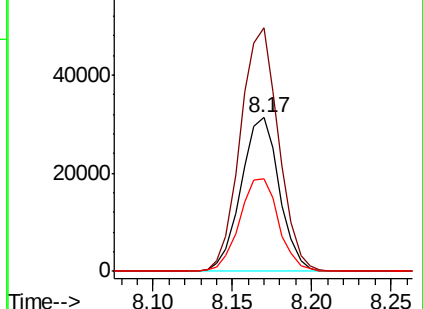
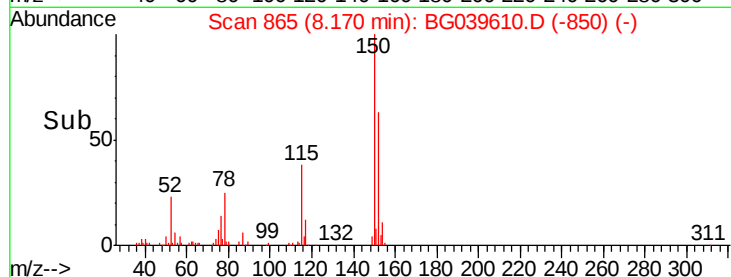
115 60.3 45.9 68.9



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: 150.309 ng

RT: 5.71 min Scan# 447

Delta R.T. -0.00 min

Lab File: BG039610.D

Acq: 26 Feb 2019 21:19

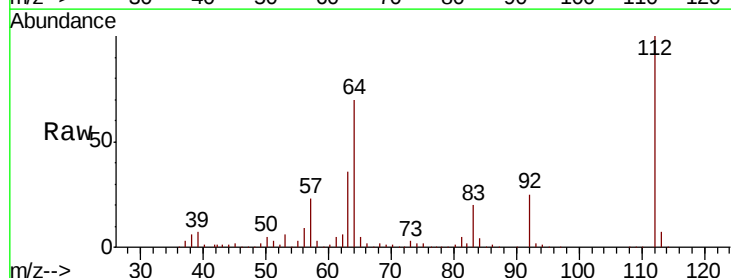
Tgt Ion:112 Resp: 461339

Ion Ratio Lower Upper

112 100

64 70.4 57.8 86.8

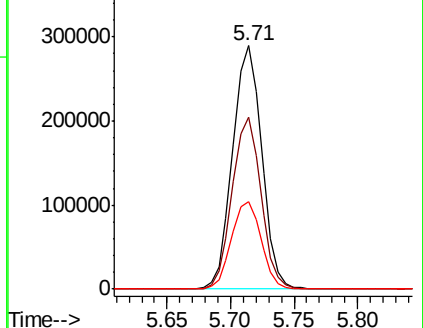
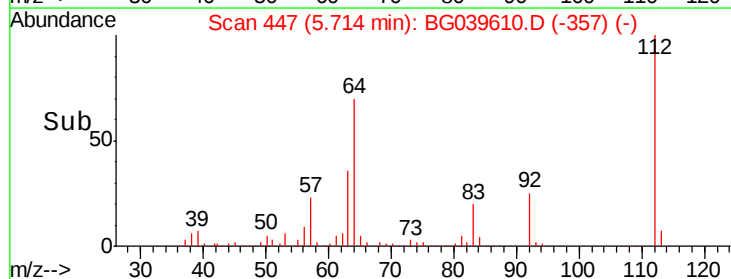
63 35.9 29.8 44.6



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: 146.572 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039610.D

Acq: 26 Feb 2019 21:19

Instrument :

BNA_G

ClientSampleId :

B-4B(14-15)

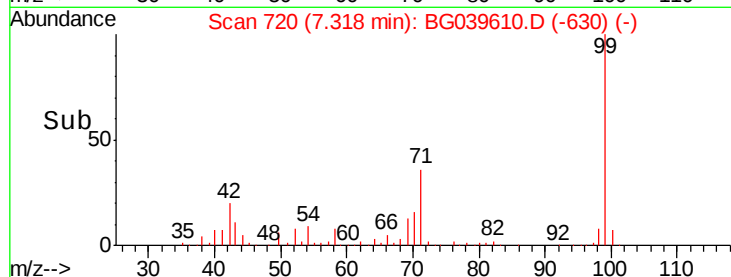
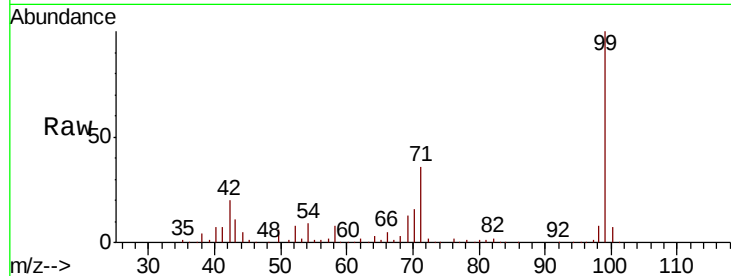
Tgt Ion: 99 Resp: 662195

Ion Ratio Lower Upper

99 100

42 19.7 18.2 27.2

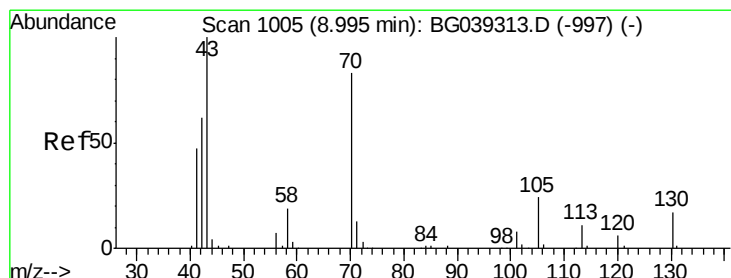
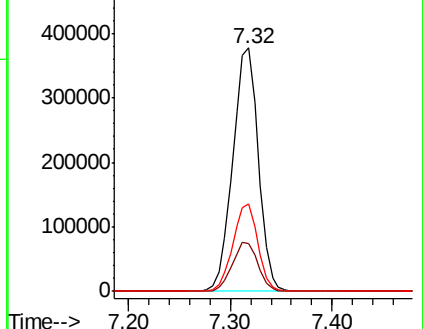
71 35.9 28.0 42.0



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: 15.352 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039610.D

Acq: 26 Feb 2019 21:19

Tgt Ion: 70 Resp: 49227

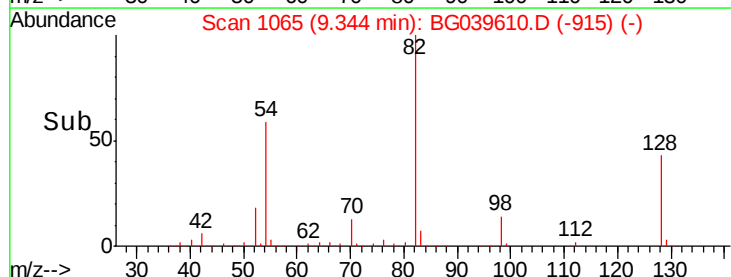
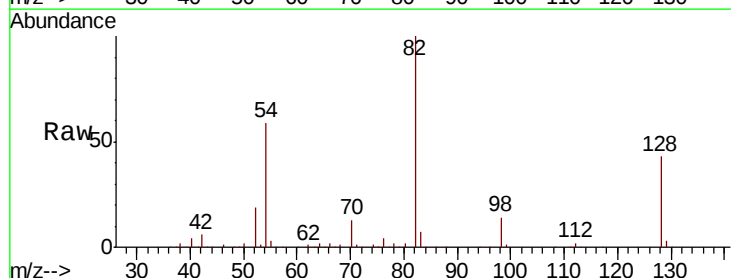
Ion Ratio Lower Upper

70 100

42 48.7 60.4 90.6#

101 0.0 7.5 11.3#

130 2.1 16.9 25.3#

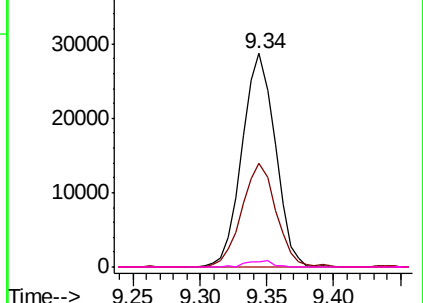


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

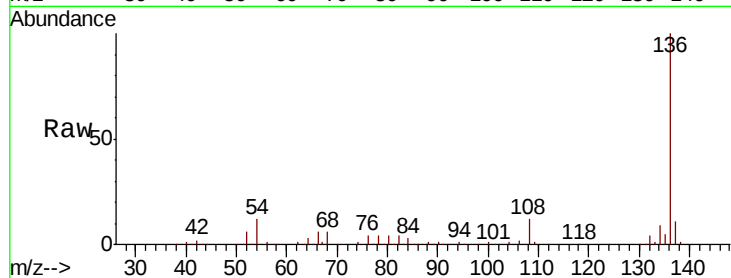




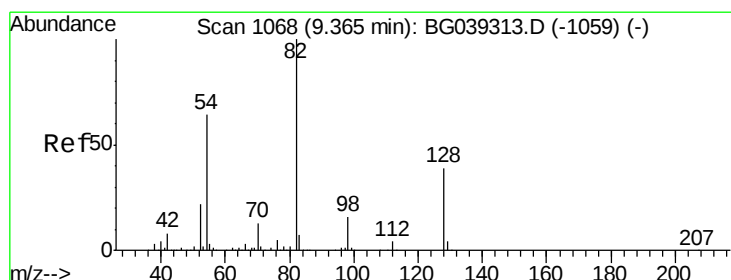
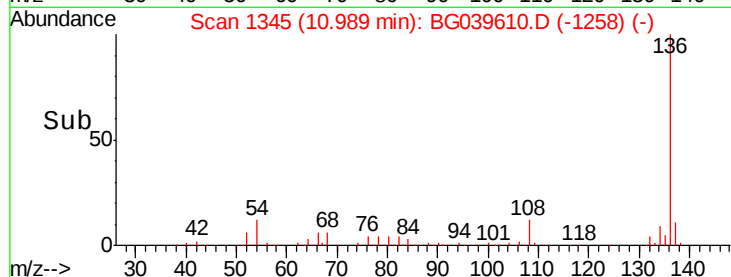
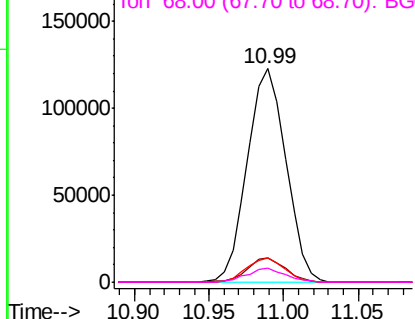
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039610.D
Acq: 26 Feb 2019 21:19

Instrument :
BNA_G
ClientSampleId :
B-4B(14-15)

Tgt Ion:	136	Resp:	220549
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	11.7	9.4	14.2
68	6.3	4.2	6.4

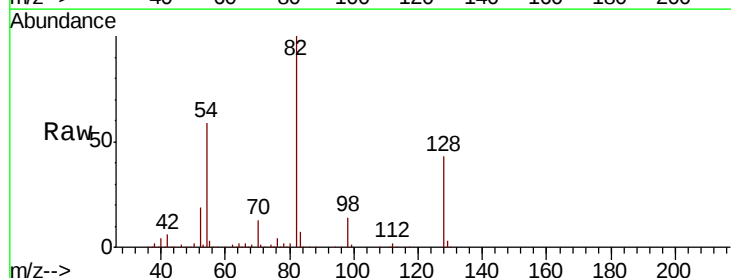


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

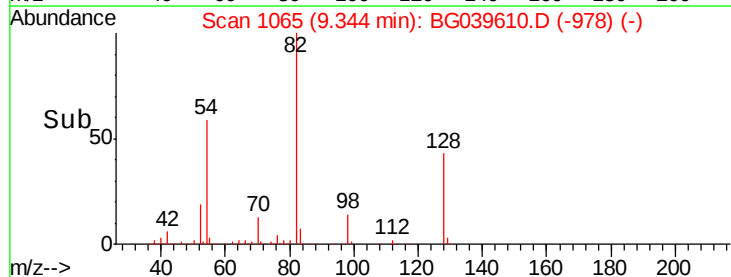
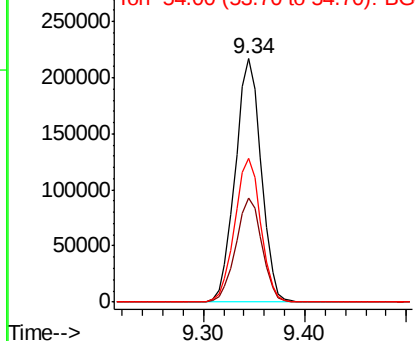


#23
Nitrobenzene-d5
Concen: 109.160 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039610.D
Acq: 26 Feb 2019 21:19

Tgt Ion:	82	Resp:	385377
Ion	Ratio	Lower	Upper
82	100		
128	43.0	31.3	46.9
54	59.3	50.9	76.3



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

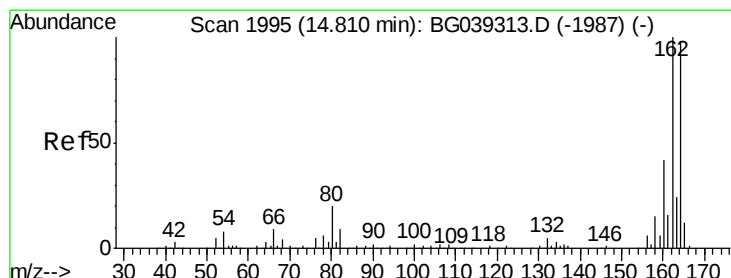
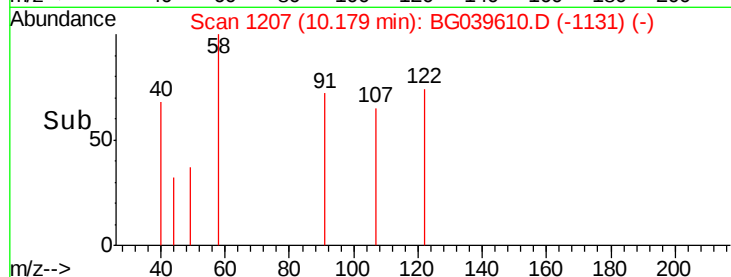
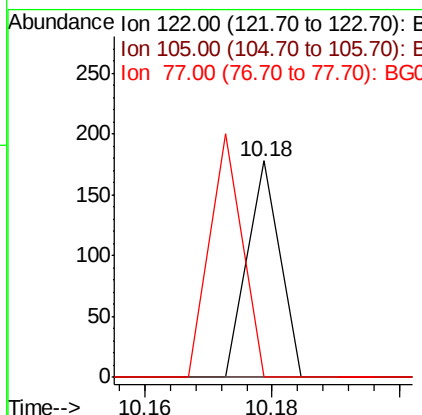
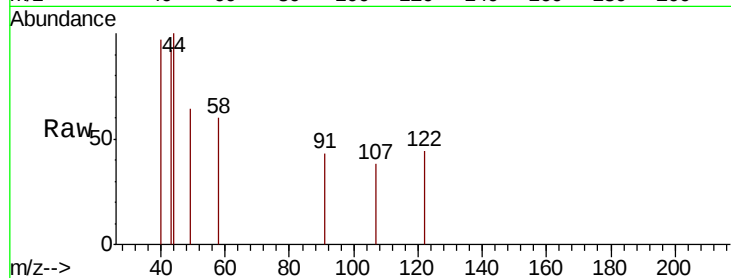




#32
Benzoic acid
Concen: 9.046 ng
RT: 10.18 min Scan# 1207
Delta R.T. -0.08 min
Lab File: BG039610.D
Acq: 26 Feb 2019 21:19

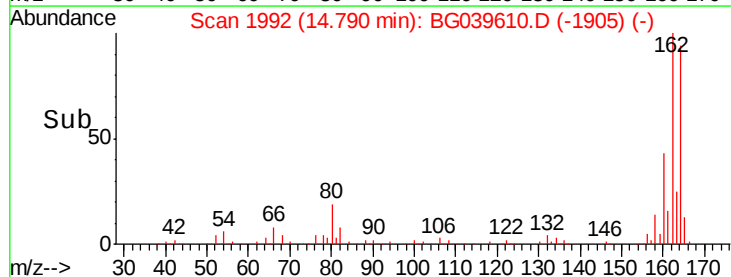
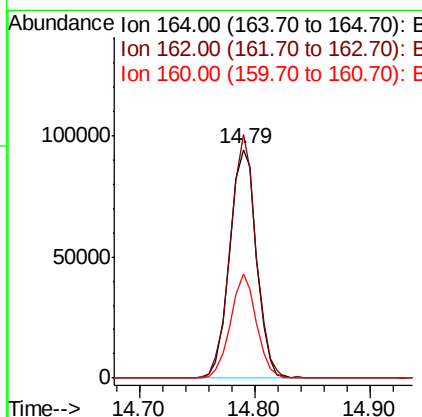
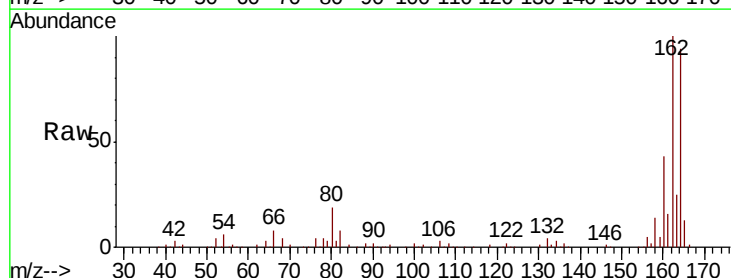
Instrument :
BNA_G
ClientSampleId :
B-4B(14-15)

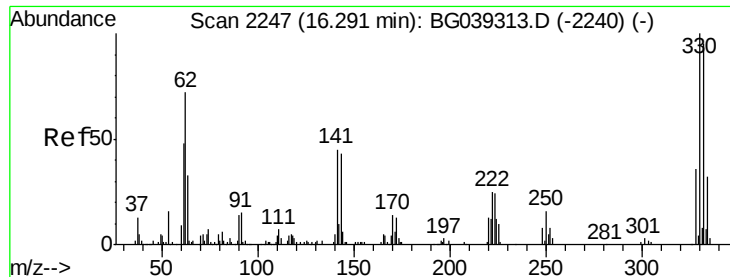
Tgt Ion:122 Resp: 63
Ion Ratio Lower Upper
122 100
105 0.0 101.8 141.8#
77 0.0 76.3 116.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BG039610.D
Acq: 26 Feb 2019 21:19

Tgt Ion:164 Resp: 151130
Ion Ratio Lower Upper
164 100
162 106.4 81.6 122.4
160 45.6 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 164.116 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039610.D

Acq: 26 Feb 2019 21:19

Instrument :

BNA_G

ClientSampleId :

B-4B(14-15)

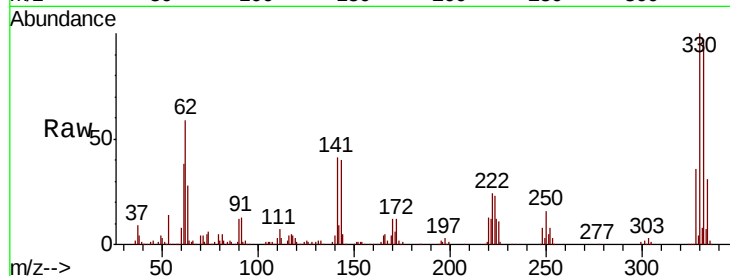
Tgt Ion:330 Resp: 267084

Ion Ratio Lower Upper

330 100

332 96.0 75.7 113.5

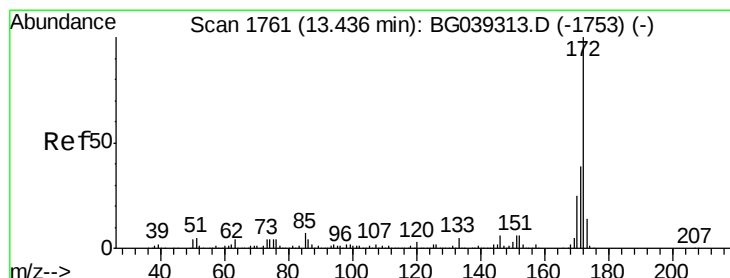
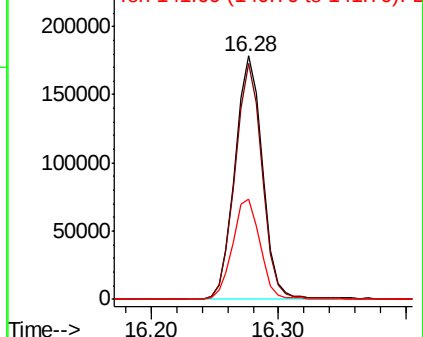
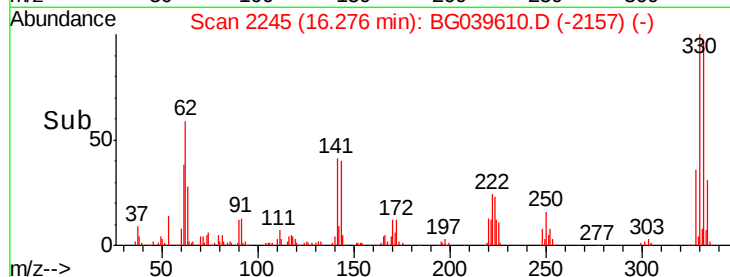
141 41.1 35.6 53.4



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: 84.827 ng

RT: 13.42 min Scan# 1758

Delta R.T. -0.02 min

Lab File: BG039610.D

Acq: 26 Feb 2019 21:19

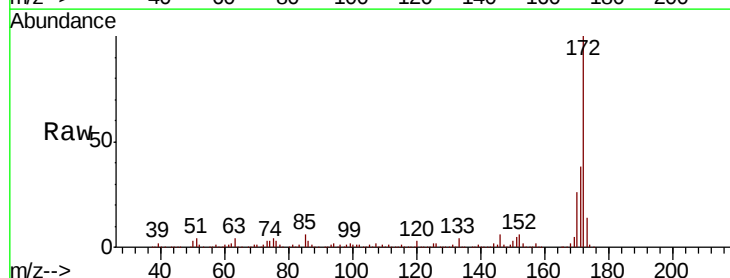
Tgt Ion:172 Resp: 893655

Ion Ratio Lower Upper

172 100

171 38.0 30.8 46.2

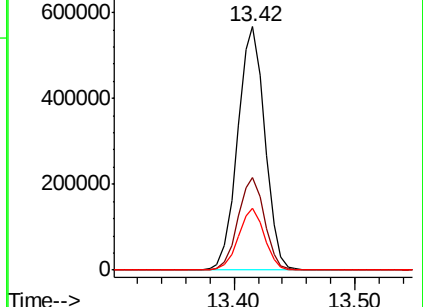
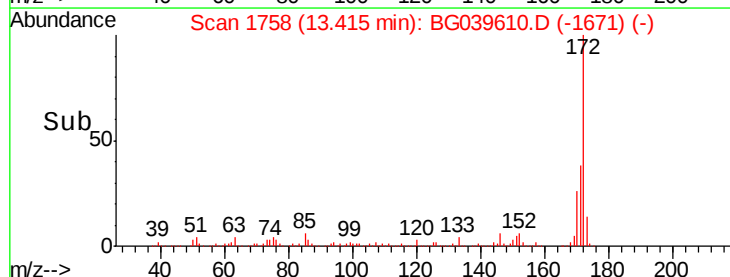
170 25.6 20.2 30.4

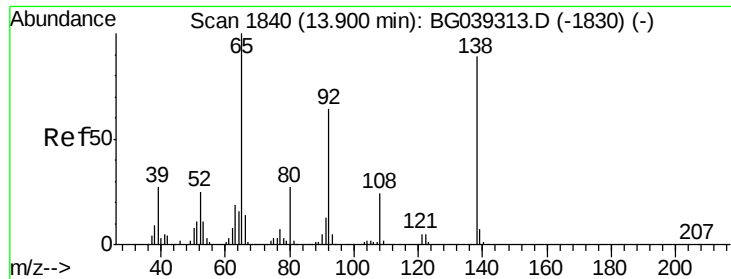


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 8.525 ng

RT: 14.24 min Scan# 1898

Delta R.T. 0.34 min

Lab File: BG039610.D

Acq: 26 Feb 2019 21:19

Instrument :

BNA_G

ClientSampleId :

B-4B(14-15)

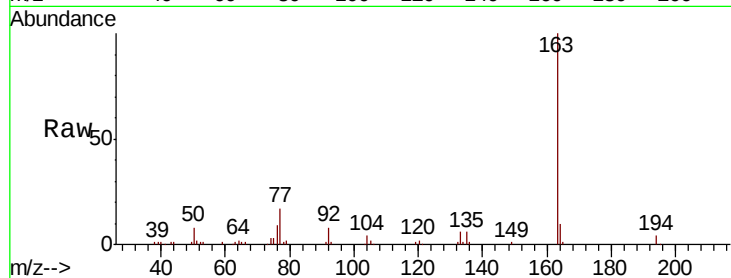
Tgt Ion: 65 Resp: 750

Ion Ratio Lower Upper

65 100

92 630.0 51.4 77.2#

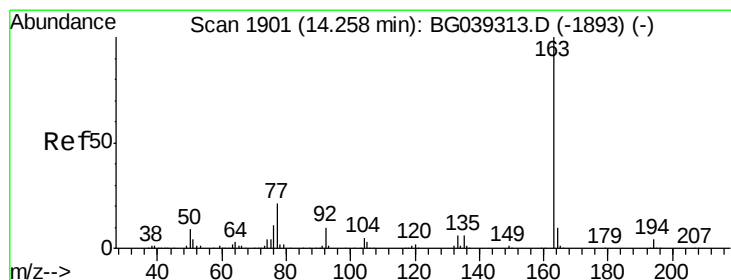
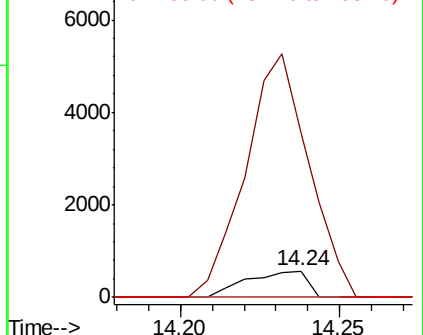
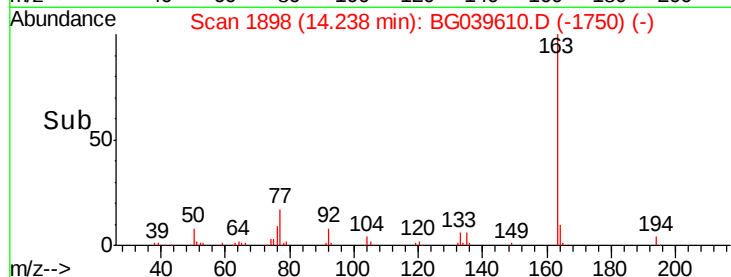
138 0.0 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BG039313.D (-1830) (-)

Ion 92.00 (91.70 to 92.70): BG039313.D (-1830) (-)

Ion 138.00 (137.70 to 138.70): BG039313.D (-1830) (-)



#50

Dimethylphthalate

Concen: 6.977 ng

RT: 14.23 min Scan# 1897

Delta R.T. -0.03 min

Lab File: BG039610.D

Acq: 26 Feb 2019 21:19

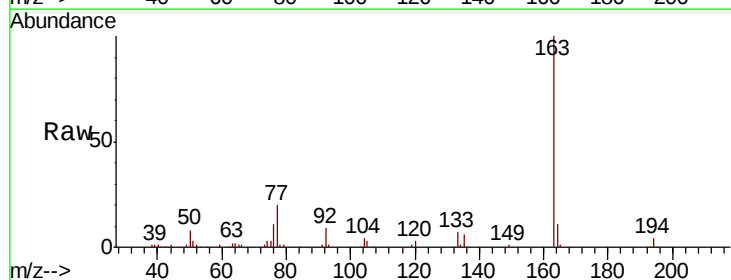
Tgt Ion: 163 Resp: 85166

Ion Ratio Lower Upper

163 100

194 4.2 3.6 5.4

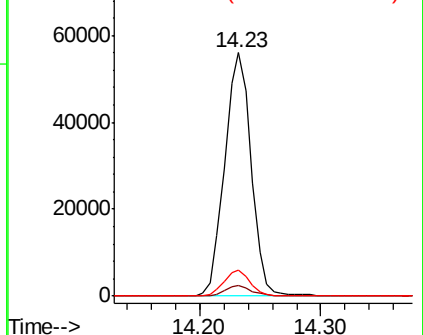
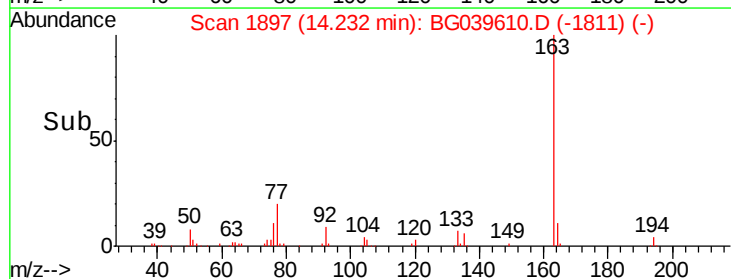
164 10.6 8.4 12.6

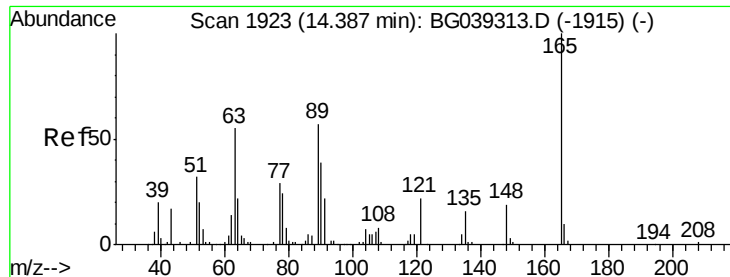


Abundance Ion 163.00 (162.70 to 163.70): BG039313.D (-1893) (-)

Ion 194.00 (193.70 to 194.70): BG039313.D (-1893) (-)

Ion 164.00 (163.70 to 164.70): BG039313.D (-1893) (-)

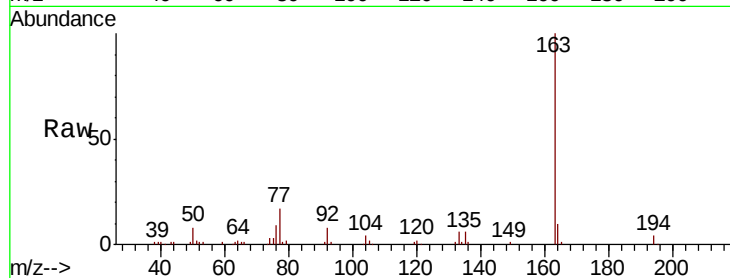




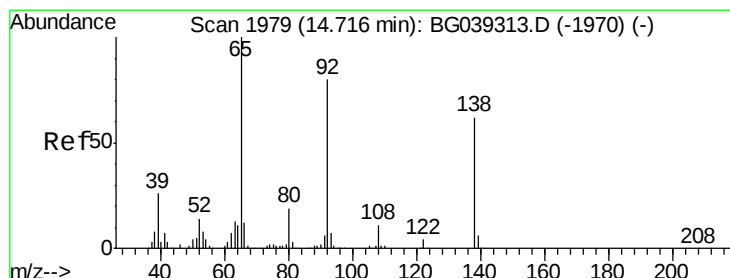
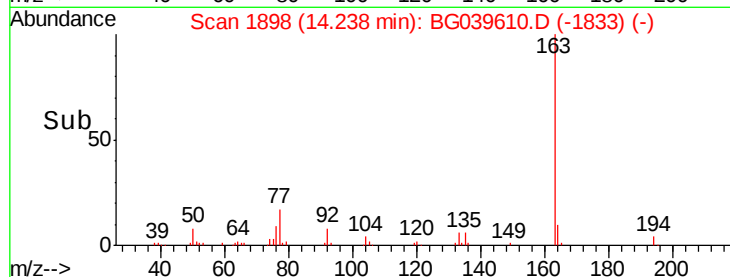
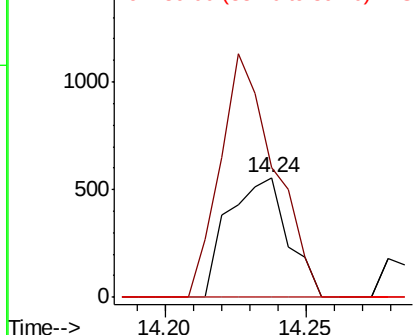
#51
 2,6-Dinitrotoluene
 Concen: 6.866 ng
 RT: 14.24 min Scan# 1898
 Delta R.T. -0.15 min
 Lab File: BG039610.D
 Acq: 26 Feb 2019 21:19

Instrument :
 BNA_G
 ClientSampleId :
 B-4B(14-15)

Tgt Ion:165 Resp: 811
 Ion Ratio Lower Upper
 165 100
 63 107.9 47.0 70.6#
 89 0.0 45.8 68.8#

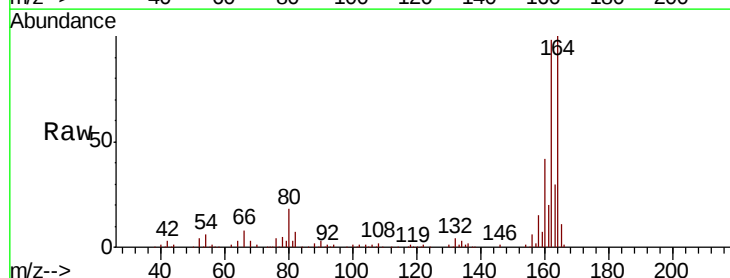


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

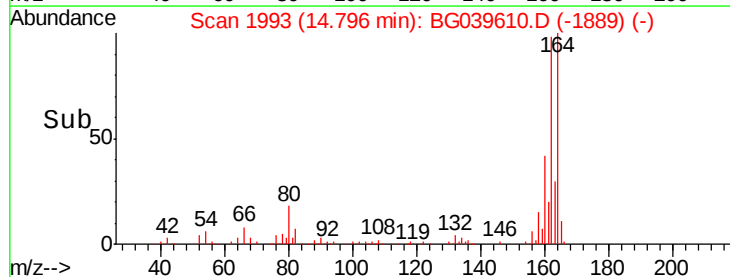
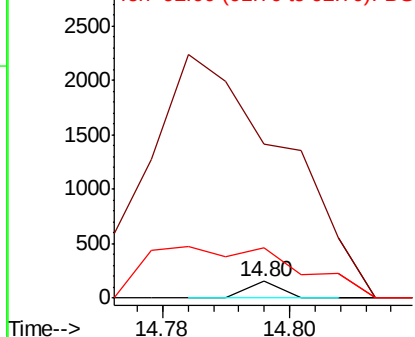


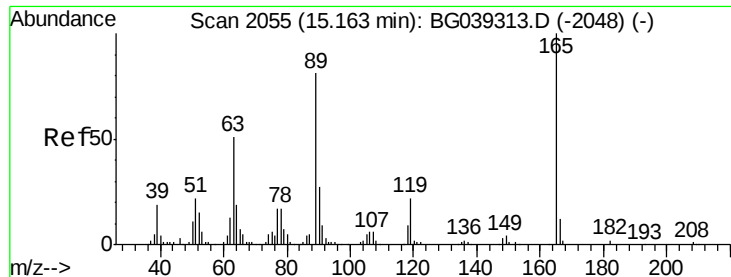
#53
 3-Nitroaniline
 Concen: 5.812 ng
 RT: 14.80 min Scan# 1993
 Delta R.T. 0.08 min
 Lab File: BG039610.D
 Acq: 26 Feb 2019 21:19

Tgt Ion:138 Resp: 55
 Ion Ratio Lower Upper
 138 100
 108 916.8 13.8 20.8#
 92 300.0 103.7 155.5#



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





#57

2,4-Dinitrotoluene

Concen: 13.428 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039610.D

Acq: 26 Feb 2019 21:19

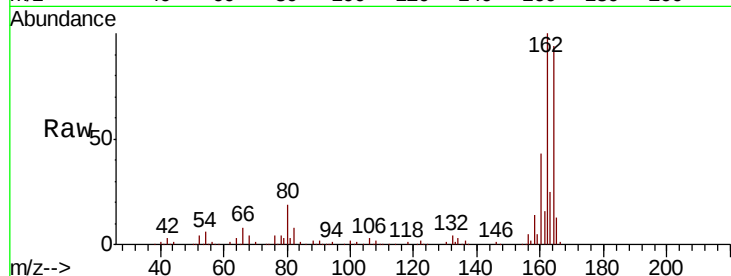
Instrument :

BNA_G

ClientSampleId :

B-4B(14-15)

Tgt Ion:	165	Resp:	19561
Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	1.3	64.6	96.8#
182	0.0	2.0	3.0#



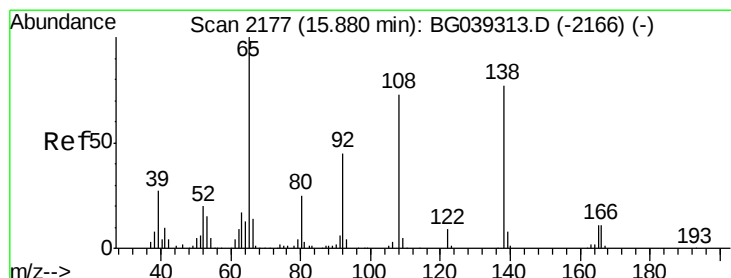
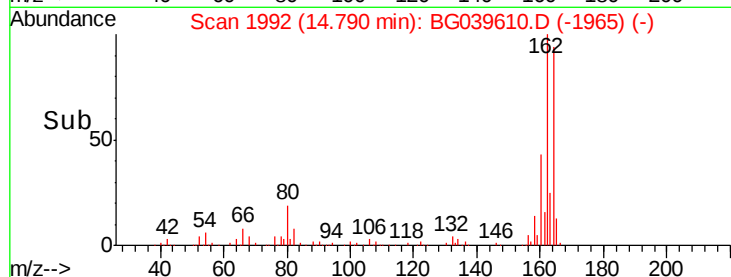
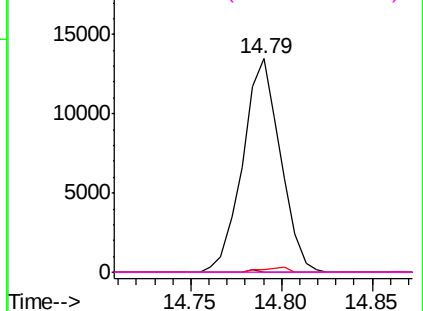
Abundance

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



#62

4-Nitroaniline

Concen: 4.227 ng

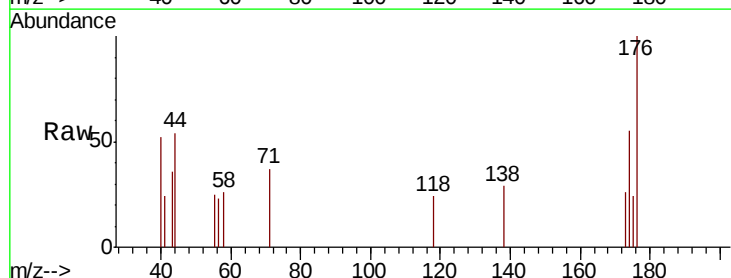
RT: 15.78 min Scan# 2160

Delta R.T. -0.10 min

Lab File: BG039610.D

Acq: 26 Feb 2019 21:19

Tgt Ion:	138	Resp:	70
Ion	Ratio	Lower	Upper
138	100		
92	0.0	38.7	78.7#
108	0.0	74.6	114.6#

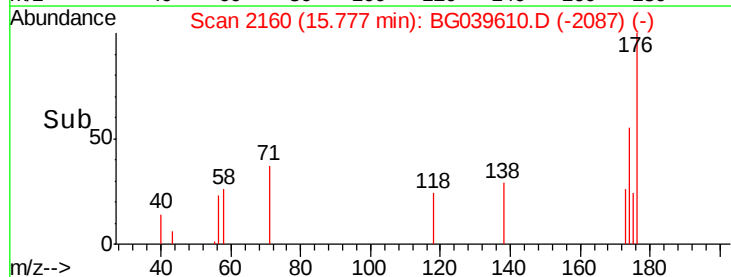
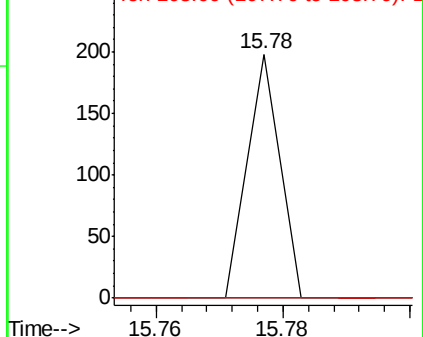


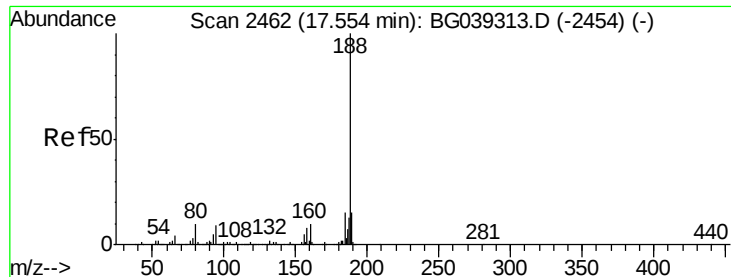
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039610.D

Acq: 26 Feb 2019 21:19

Instrument :

BNA_G

ClientSampleId :

B-4B(14-15)

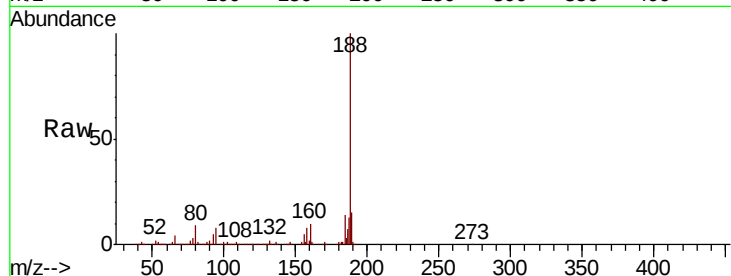
Tgt Ion:188 Resp: 383400

Ion Ratio Lower Upper

188 100

94 8.3 6.9 10.3

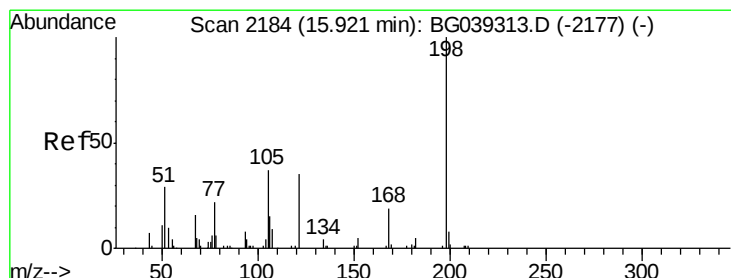
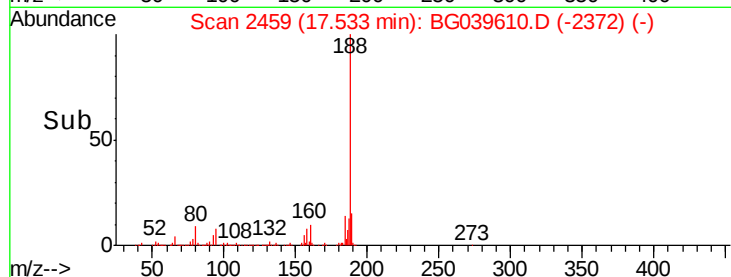
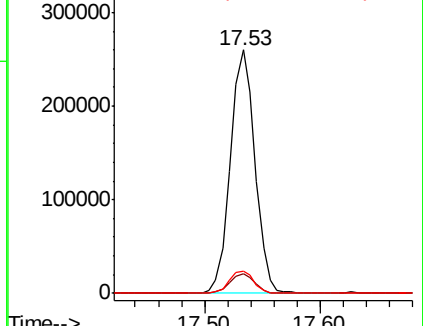
80 8.9 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 4.975 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039610.D

Acq: 26 Feb 2019 21:19

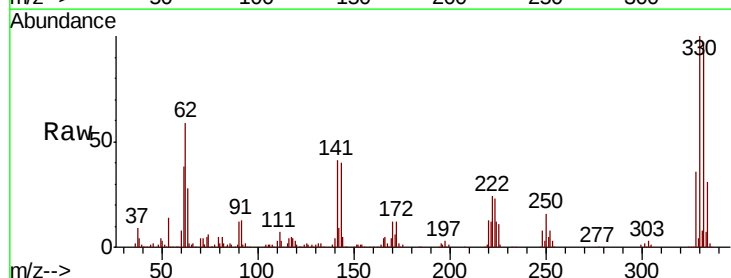
Tgt Ion:198 Resp: 957

Ion Ratio Lower Upper

198 100

51 164.3 27.4 67.4#

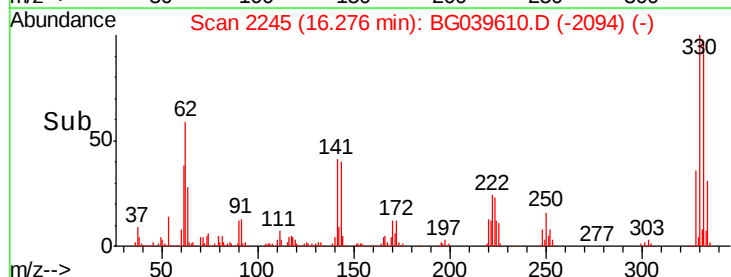
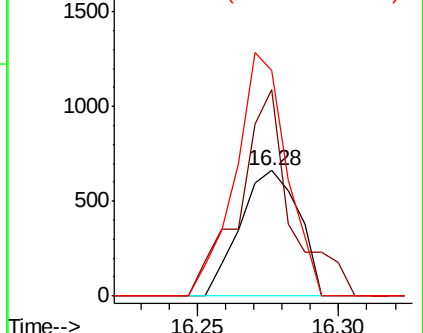
105 180.0 19.7 59.7#

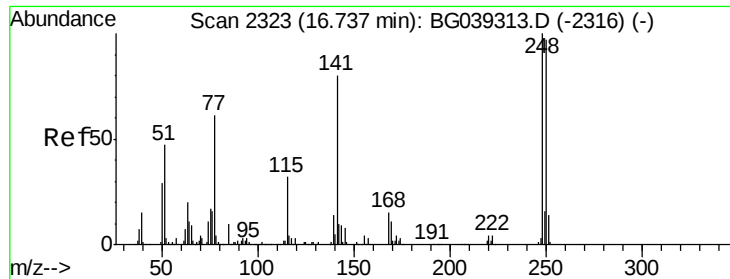


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

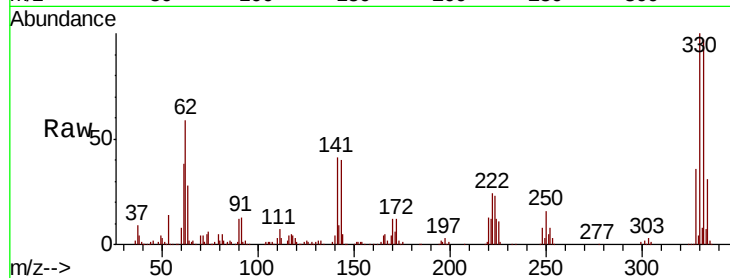




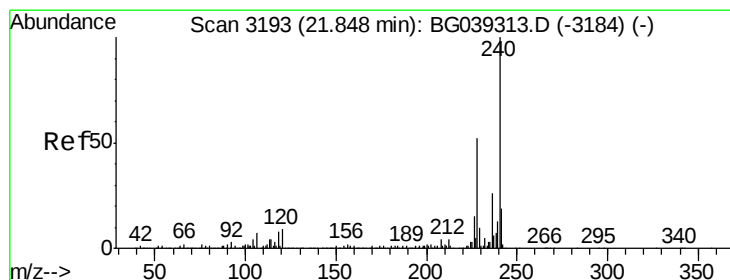
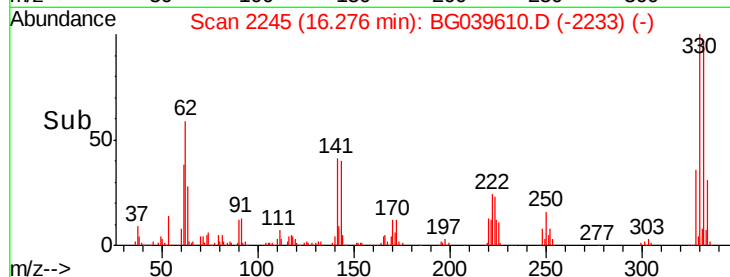
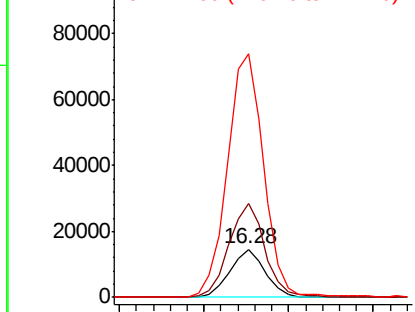
#67
 4-Bromophenyl-phenylether
 Concen: 4.931 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039610.D
 Acq: 26 Feb 2019 21:19

Instrument :
 BNA_G
 ClientSampleId :
 B-4B(14-15)

Tgt Ion:248 Resp: 20975
 Ion Ratio Lower Upper
 248 100
 250 197.3 77.6 116.4#
 141 508.7 63.9 95.9#

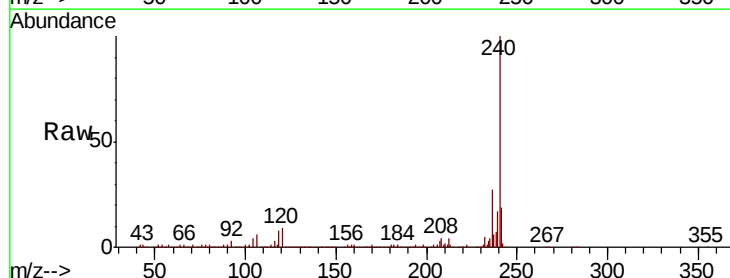


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

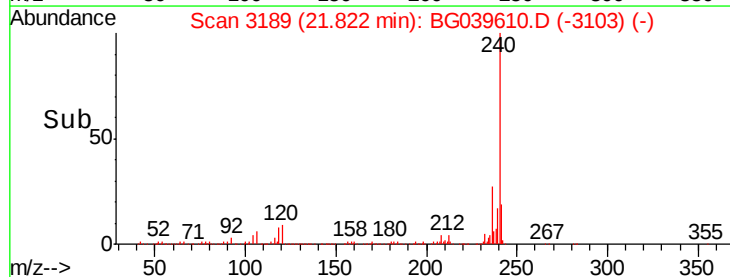
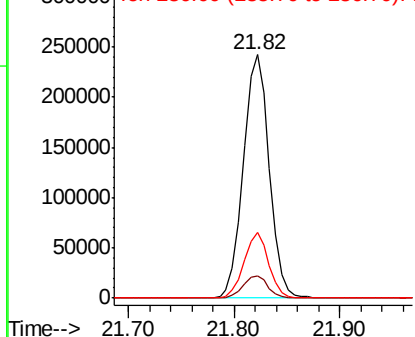


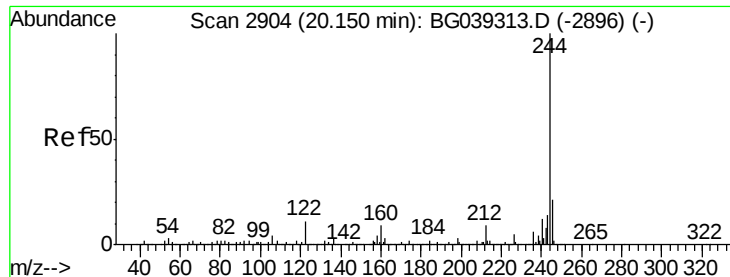
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.03 min
 Lab File: BG039610.D
 Acq: 26 Feb 2019 21:19

Tgt Ion:240 Resp: 411850
 Ion Ratio Lower Upper
 240 100
 120 9.2 7.0 10.6
 236 27.0 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





#79

Terphenyl-d14

Concen: 74.374 ng

RT: 20.12 min Scan# 2900

Delta R.T. -0.03 min

Lab File: BG039610.D

Acq: 26 Feb 2019 21:19

Instrument :

BNA_G

ClientSampleId :

B-4B(14-15)

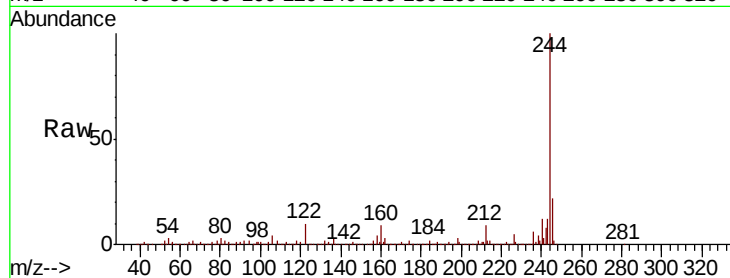
Tgt Ion:244 Resp: 1447118

Ion Ratio Lower Upper

244 100

212 9.1 7.3 10.9

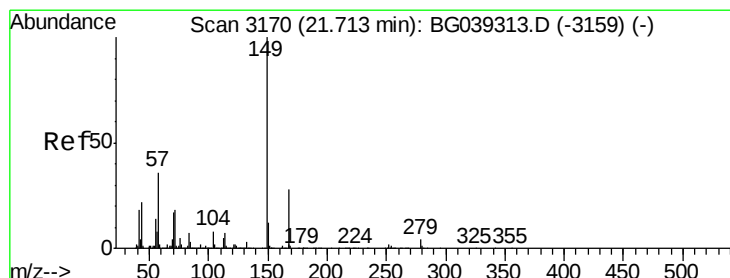
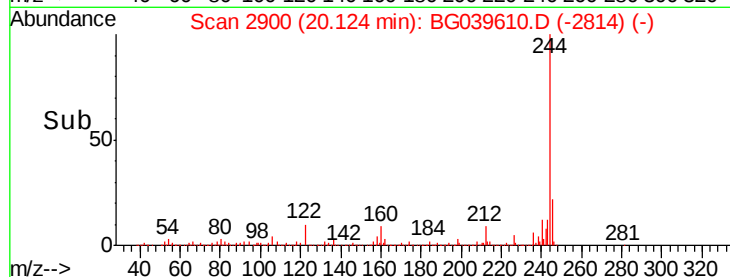
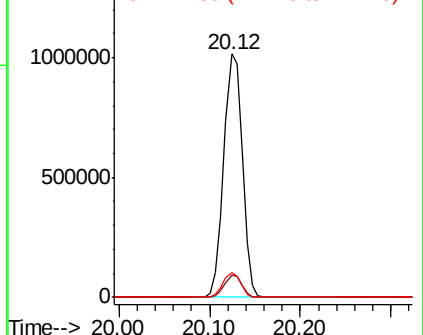
122 10.3 8.4 12.6



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.519 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.04 min

Lab File: BG039610.D

Acq: 26 Feb 2019 21:19

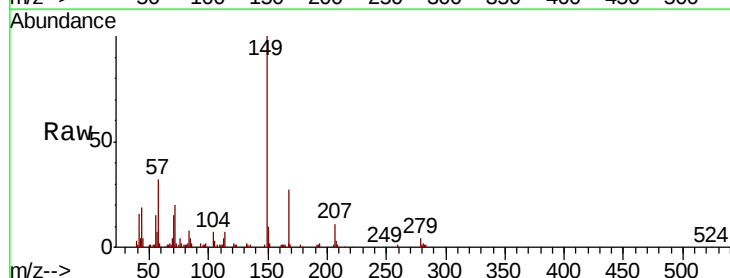
Tgt Ion:149 Resp: 54299

Ion Ratio Lower Upper

149 100

167 27.0 22.6 34.0

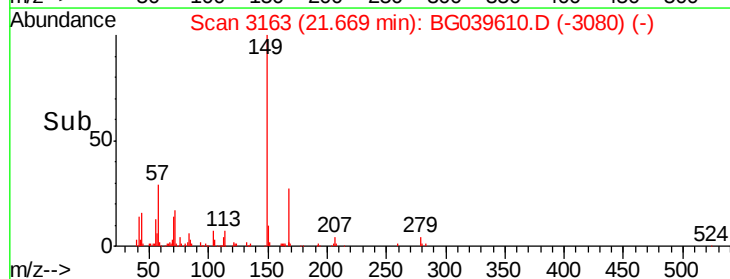
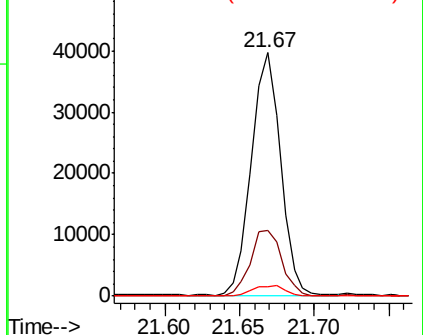
279 4.0 3.5 5.3

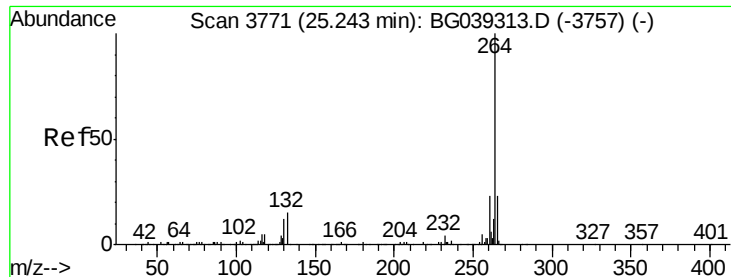


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.20 min Scan# 3764
Delta R.T. -0.04 min
Lab File: BG039610.D
Acq: 26 Feb 2019 21:19

Instrument :
BNA_G
ClientSampleId :
B-4B(14-15)

Tgt Ion:	264	Resp:	420838
Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.2	27.4
265	20.6	18.5	27.7

