

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021919\
 Data File : BG039565.D
 Acq On : 19 Feb 2019 21:42
 Operator : JU/SJ
 Sample : K1528-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-4

Quant Time: Feb 19 23:52:31 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	52395	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	230710	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	154027	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	351400	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	357624	20.00	ng	-0.03
87) Perylene-d12	25.20	264	350019	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	172798	56.45	ng	0.00
7) Phenol-d6	7.31	99	161853	35.92	ng	0.00
23) Nitrobenzene-d5	9.34	82	427773	115.83	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	217520	131.15	ng	-0.02
45) 2-Fluorobiphenyl	13.41	172	980036	91.28	ng	-0.02
79) Terphenyl-d14	20.13	244	1277337	75.60	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	377	Below Cal		# 35
10) Phenol	7.34	94	11038	2.350	ng	89
18) Hexachloroethane	9.27	117	21617	15.551	ng	# 3
19) n-Nitroso-di-n-propylamine	9.34	70	54467	17.030	ng	# 67
26) 2-Nitrophenol	10.15	139	56	4.047	ng	# 1
32) Benzoic acid	10.22	122	372	9.160	ng	# 1
46) 1,1'-Biphenyl	13.63	154	68080	5.312	ng	99
48) 2-Nitroaniline	13.85	65	1070	8.616	ng	# 10
50) Dimethylphthalate	14.23	163	36614	2.943	ng	99
51) 2,6-Dinitrotoluene	14.48	165	853	6.876	ng	# 49
53) 3-Nitroaniline	14.77	138	60	5.814	ng	# 1
54) 2,4-Dinitrophenol	15.35	184	620	2.716	ng	92
55) Dibenzofuran	15.18	168	81223	5.365	ng	97
56) 4-Nitrophenol	15.01	139	2224	6.711	ng	# 26
57) 2,4-Dinitrotoluene	15.14	165	1540	8.258	ng	# 72
58) Fluorene	15.84	166	143103	12.679	ng	96
62) 4-Nitroaniline	15.69	138	232	4.284	ng	84
65) 4,6-Dinitro-2-methylphenol	16.17	198	65	4.230	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	17134	4.395	ng	# 1

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

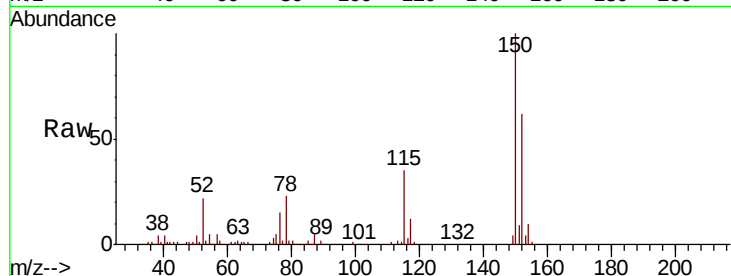


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.02 min
Lab File: BG039565.D
Acq: 19 Feb 2019 21:42

Instrument :
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ClientSampleId :
MW-4

Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.0	123.7	185.5
115	56.9	45.9	68.9

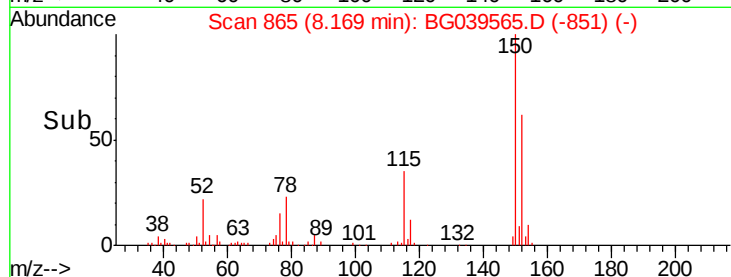
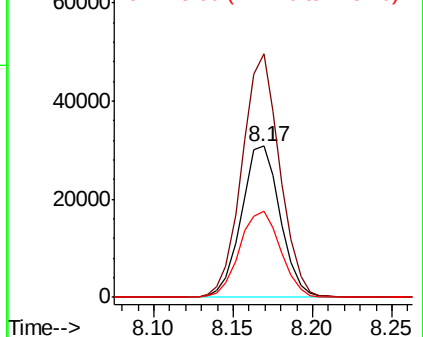


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

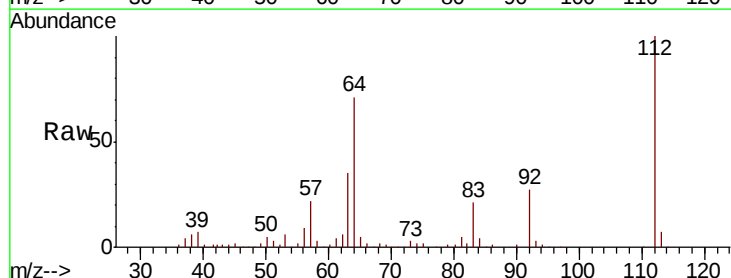
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 56.445 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039565.D
Acq: 19 Feb 2019 21:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.6	57.8	86.8
63	34.9	29.8	44.6

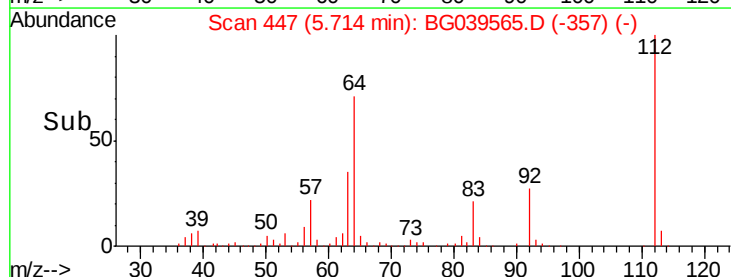
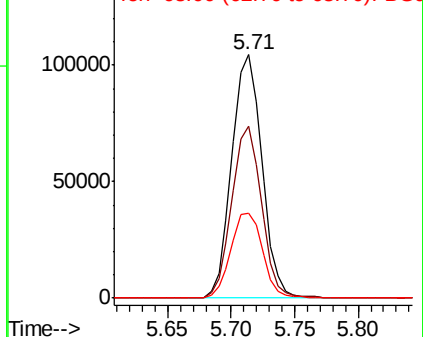


Abundance

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: 35.918 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039565.D

Acq: 19 Feb 2019 21:42

Instrument :

BNA_G

ClientSampleId :

MW-4

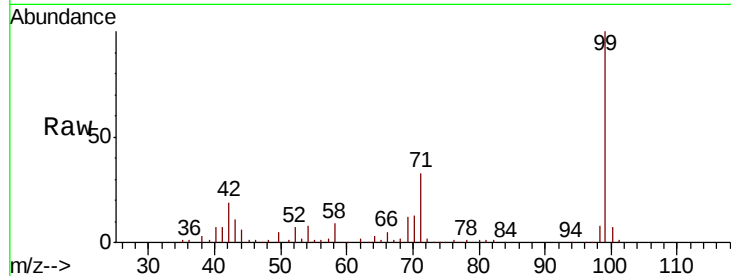
Tgt Ion: 99 Resp: 161853

Ion Ratio Lower Upper

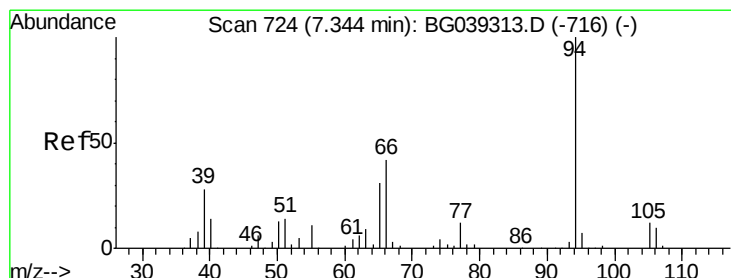
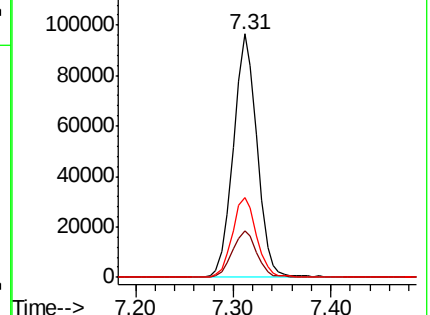
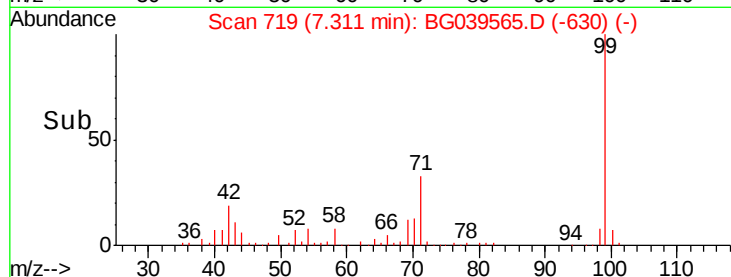
99 100

42 19.3 18.2 27.2

71 32.5 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



#10

Phenol

Concen: 2.350 ng

RT: 7.34 min Scan# 724

Delta R.T. -0.00 min

Lab File: BG039565.D

Acq: 19 Feb 2019 21:42

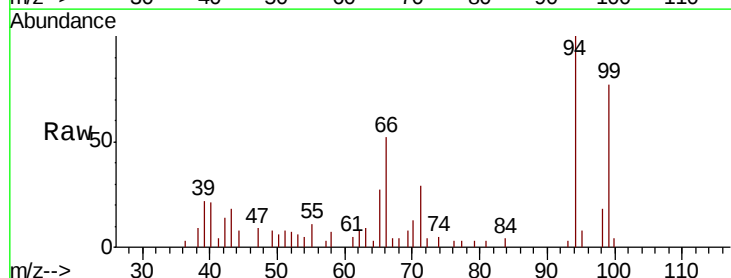
Tgt Ion: 94 Resp: 11038

Ion Ratio Lower Upper

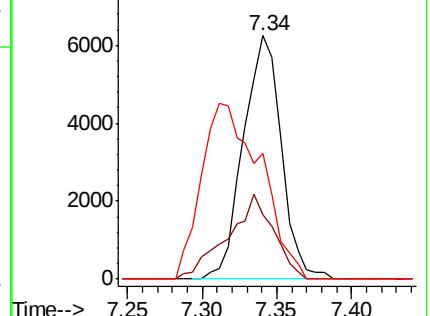
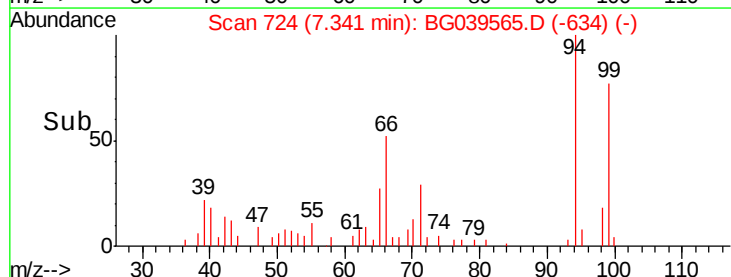
94 100

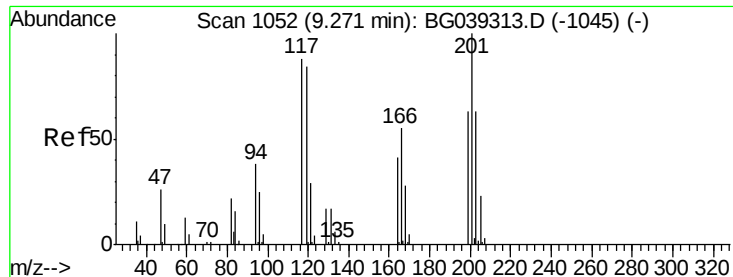
65 26.7 11.7 51.7

66 51.9 23.7 63.7



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

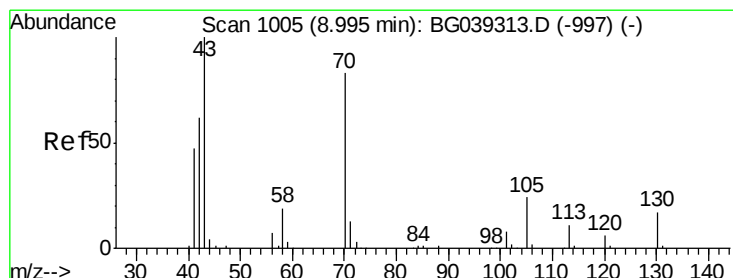
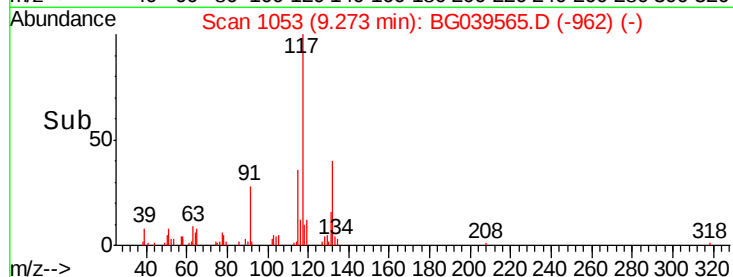
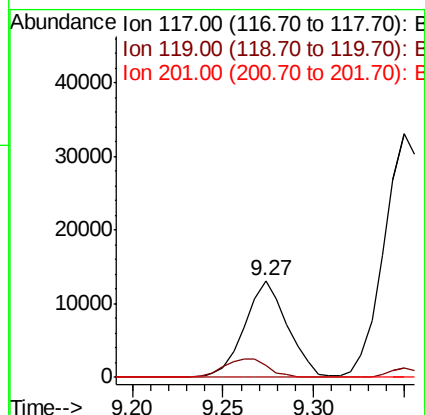
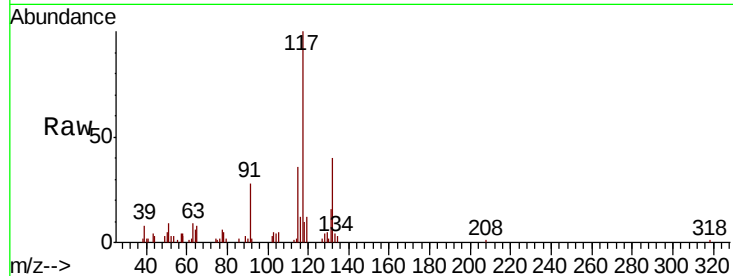




#18
Hexachloroethane
Concen: 15.551 ng
RT: 9.27 min Scan# 1053
Delta R.T. 0.00 min
Lab File: BG039565.D
Acq: 19 Feb 2019 21:42

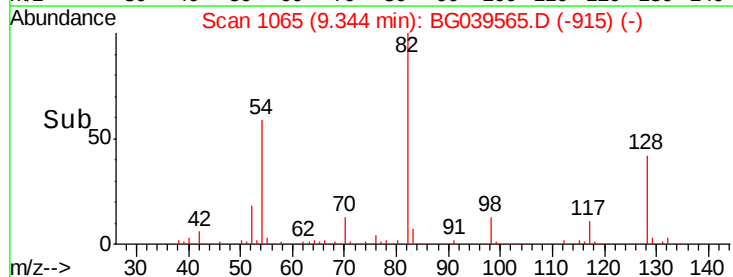
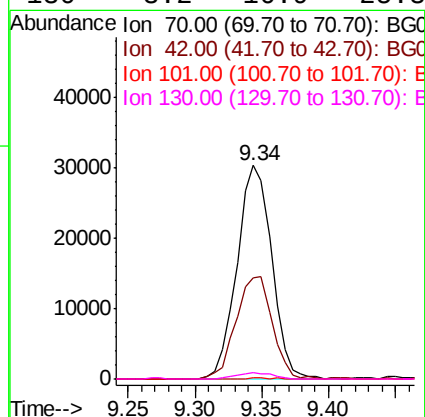
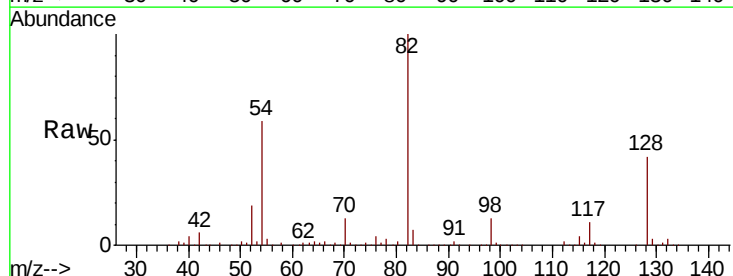
Instrument :
BNA_G
ClientSampleId :
MW-4

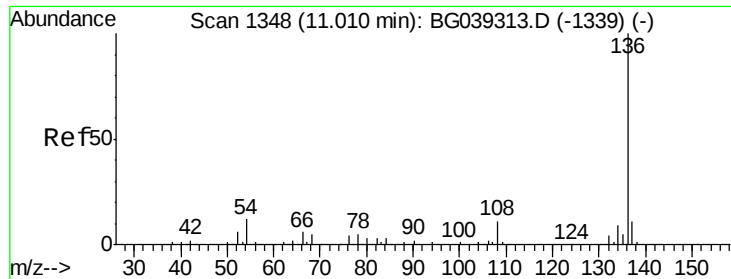
Tgt Ion: 117 Resp: 21617
Ion Ratio Lower Upper
117 100
119 11.9 76.3 114.5#
201 0.0 91.1 136.7#



#19
n-Nitroso-di-n-propylamine
Concen: 17.030 ng
RT: 9.34 min Scan# 1065
Delta R.T. 0.35 min
Lab File: BG039565.D
Acq: 19 Feb 2019 21:42

Tgt Ion: 70 Resp: 54467
Ion Ratio Lower Upper
70 100
42 47.4 60.4 90.6#
101 0.8 7.5 11.3#
130 3.2 16.9 25.3#

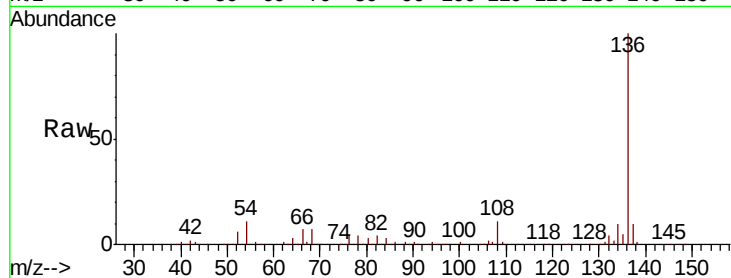




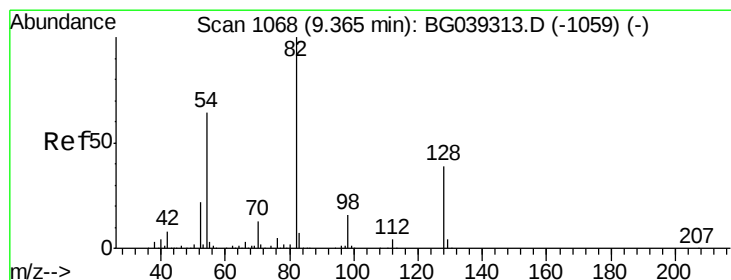
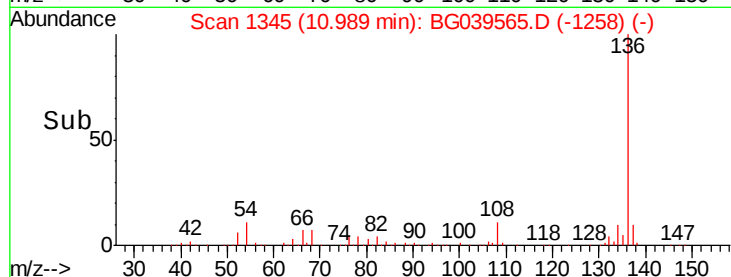
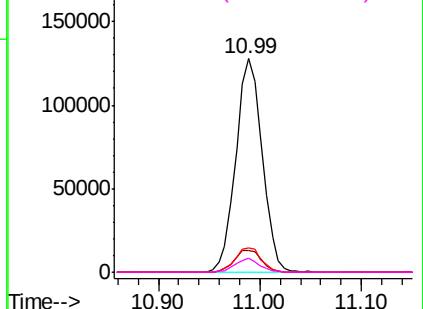
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039565.D
Acq: 19 Feb 2019 21:42

Instrument :
BNA_G
ClientSampleId :
MW-4

Tgt Ion:	136	Resp:	230710
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.1	13.7
54	11.4	9.4	14.2
68	6.8	4.2	6.4#

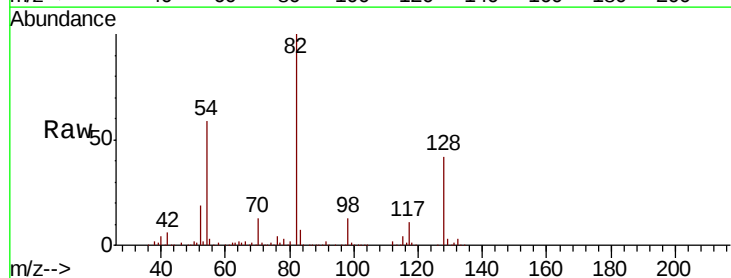


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

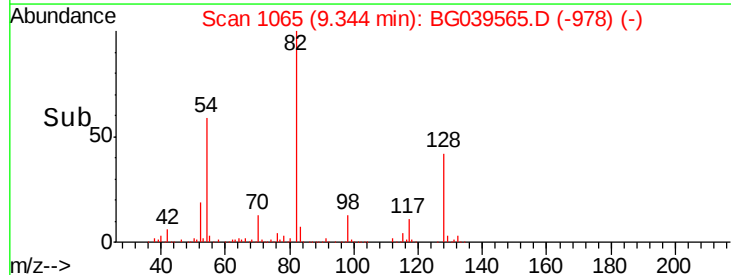
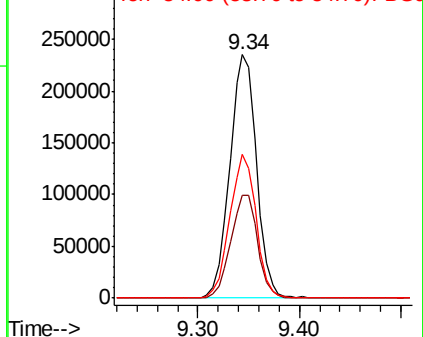


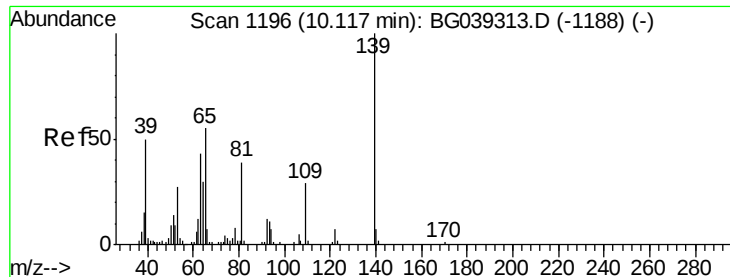
#23
Nitrobenzene-d5
Concen: 115.832 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039565.D
Acq: 19 Feb 2019 21:42

Tgt Ion:	82	Resp:	427773
Ion	Ratio	Lower	Upper
82	100		
128	42.3	31.3	46.9
54	59.2	50.9	76.3



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

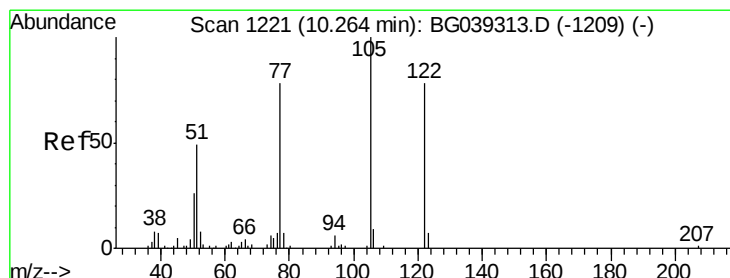
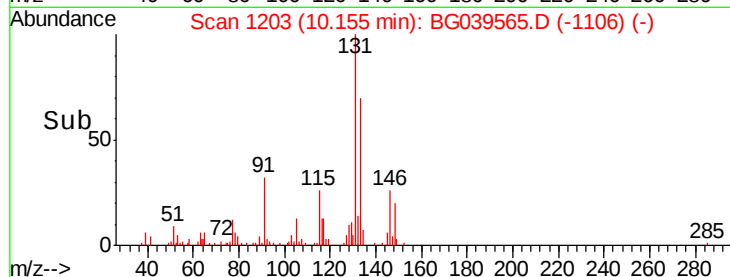
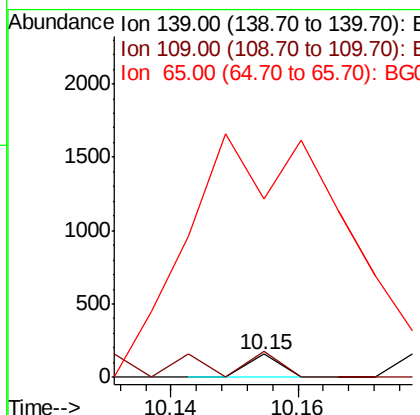
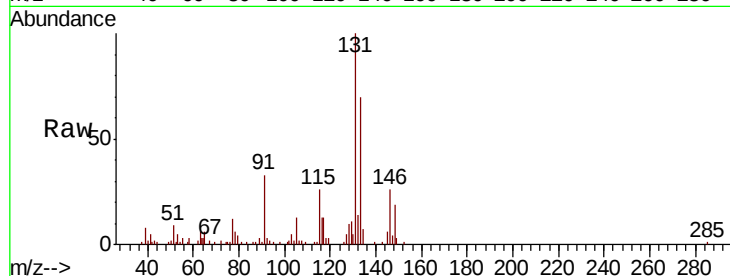




#26
2-Nitrophenol
Concen: 4.047 ng
RT: 10.15 min Scan# 1203
Delta R.T. 0.04 min
Lab File: BG039565.D
Acq: 19 Feb 2019 21:42

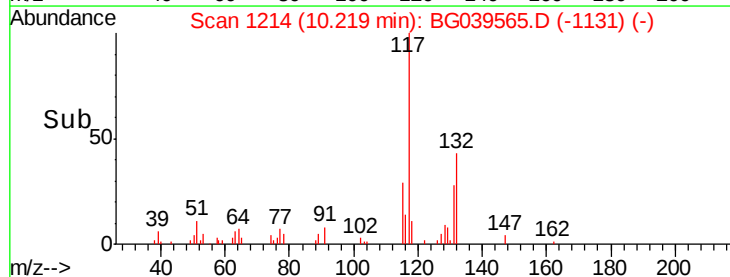
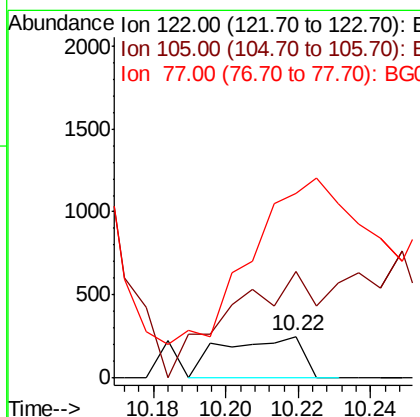
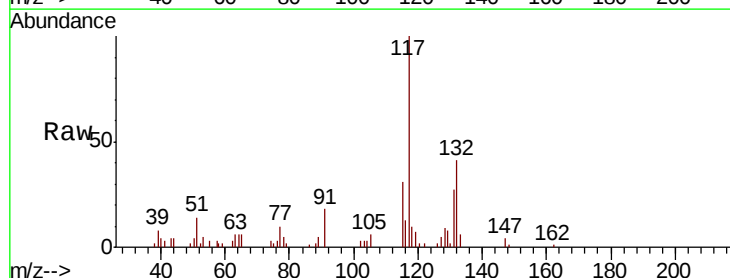
Instrument :
BNA_G
ClientSampleId :
MW-4

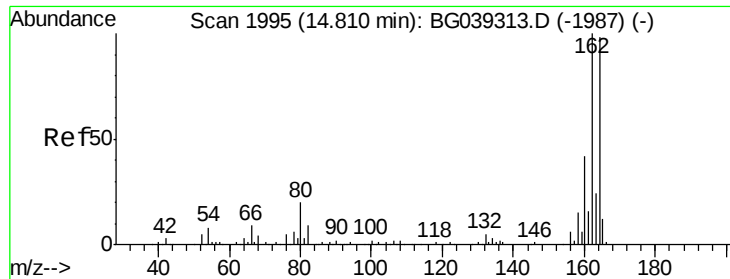
Tgt Ion:139 Resp: 56
Ion Ratio Lower Upper
139 100
109 110.1 23.4 35.0#
65 769.0 44.3 66.5#



#32
Benzoic acid
Concen: 9.160 ng
RT: 10.22 min Scan# 1214
Delta R.T. -0.04 min
Lab File: BG039565.D
Acq: 19 Feb 2019 21:42

Tgt Ion:122 Resp: 372
Ion Ratio Lower Upper
122 100
105 258.2 101.8 141.8#
77 445.4 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: BG039565.D

Acq: 19 Feb 2019 21:42

Instrument :

BNA_G

ClientSampleId :

MW-4

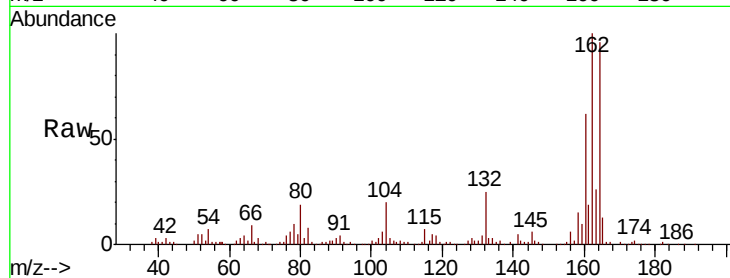
Tgt Ion:164 Resp: 154027

Ion Ratio Lower Upper

164 100

162 104.2 81.6 122.4

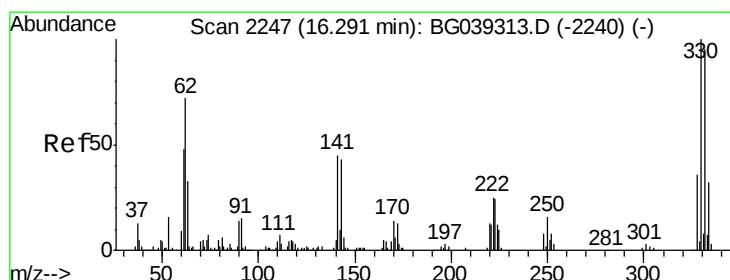
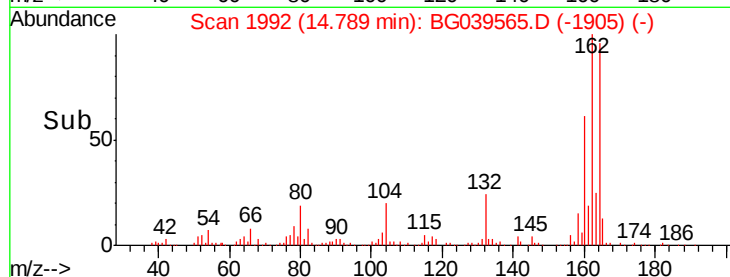
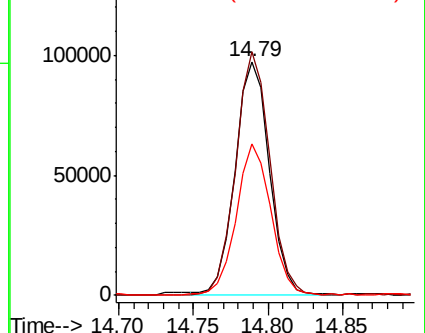
160 65.0 34.2 51.2#



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: 131.146 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.02 min

Lab File: BG039565.D

Acq: 19 Feb 2019 21:42

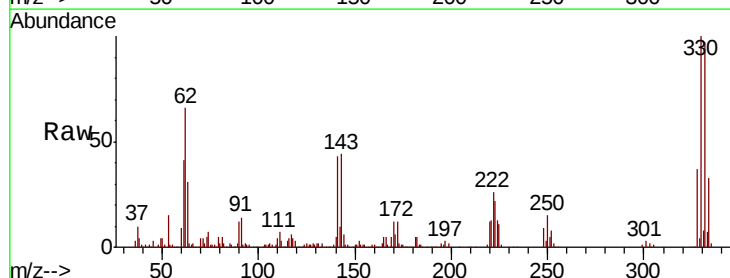
Tgt Ion:330 Resp: 217520

Ion Ratio Lower Upper

330 100

332 96.8 75.7 113.5

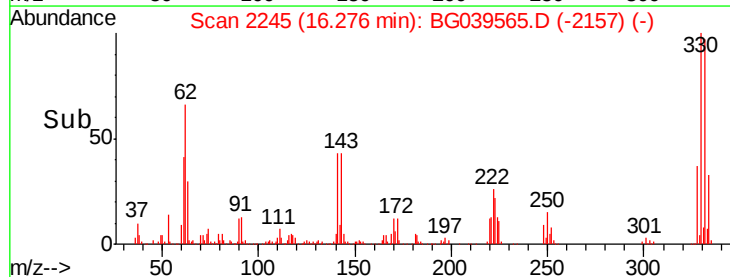
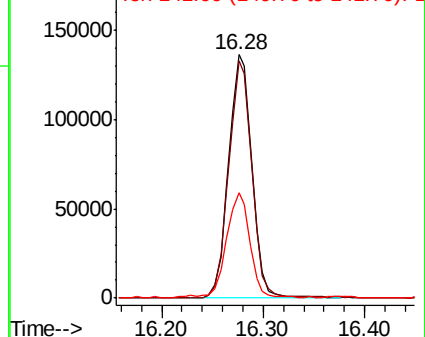
141 42.6 35.6 53.4

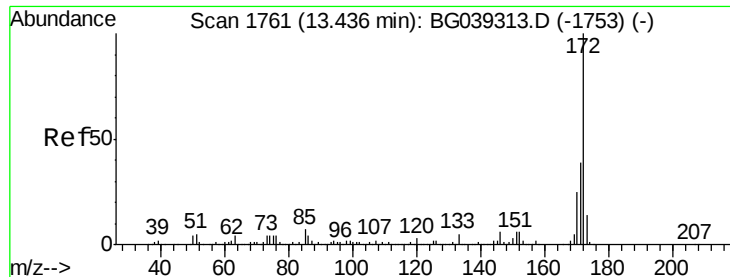


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

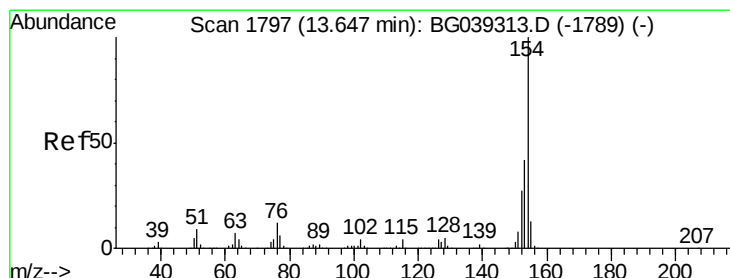
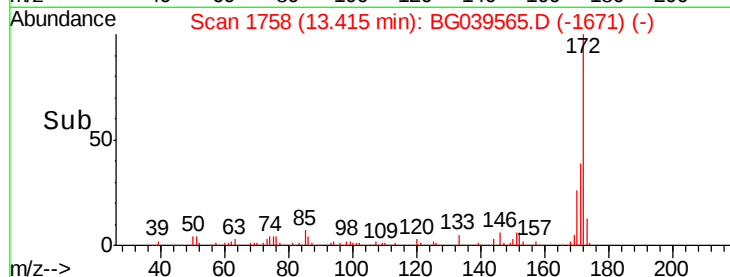
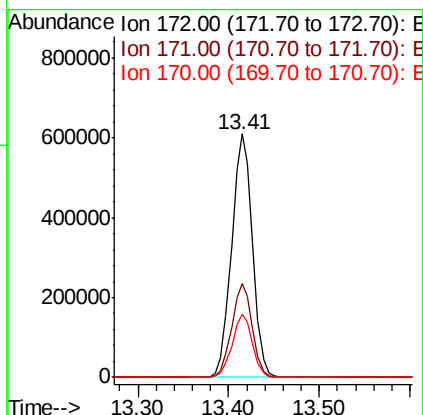
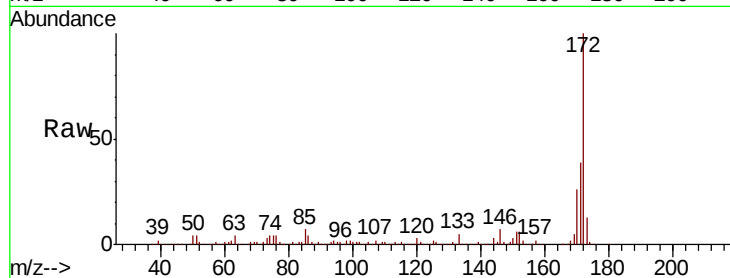




#45
 2-Fluorobiphenyl
 Concen: 91.277 ng
 RT: 13.41 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039565.D
 Acq: 19 Feb 2019 21:42

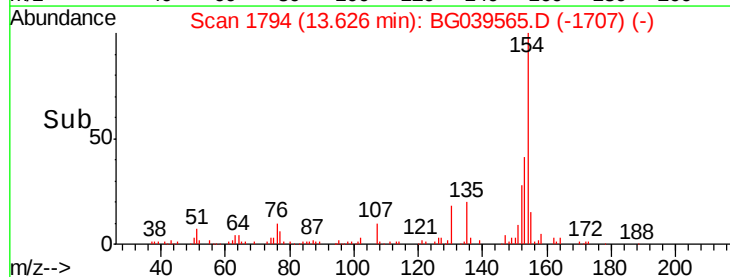
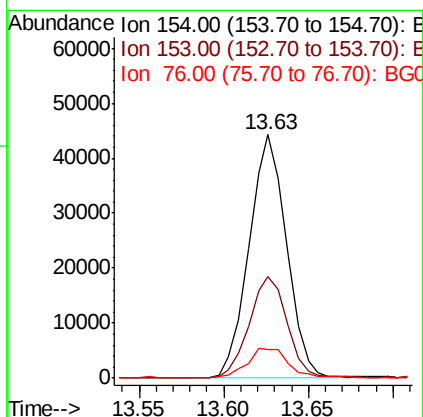
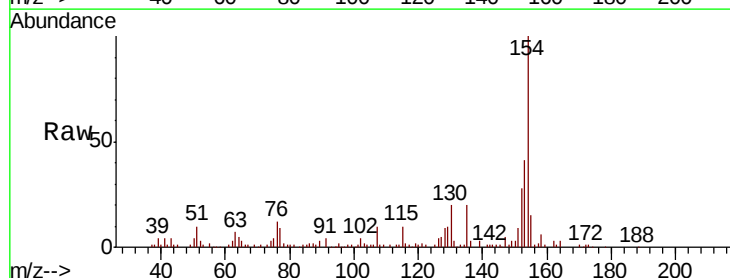
Instrument :
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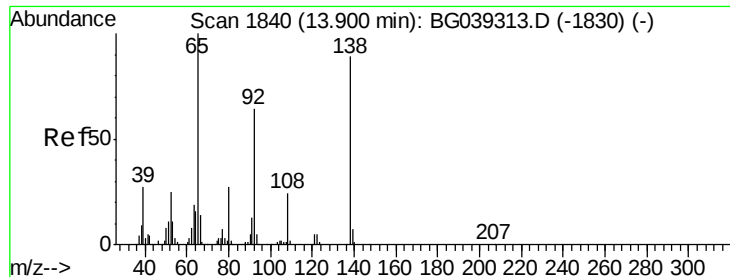
Tgt Ion:	172	Resp:	980036
Ion	Ratio	Lower	Upper
172	100		
171	38.8	30.8	46.2
170	26.1	20.2	30.4



#46
 1,1'-Biphenyl
 Concen: 5.312 ng
 RT: 13.63 min Scan# 1794
 Delta R.T. -0.02 min
 Lab File: BG039565.D
 Acq: 19 Feb 2019 21:42

Tgt Ion:	154	Resp:	68080
Ion	Ratio	Lower	Upper
154	100		
153	41.5	22.1	62.1
76	11.5	0.0	32.4

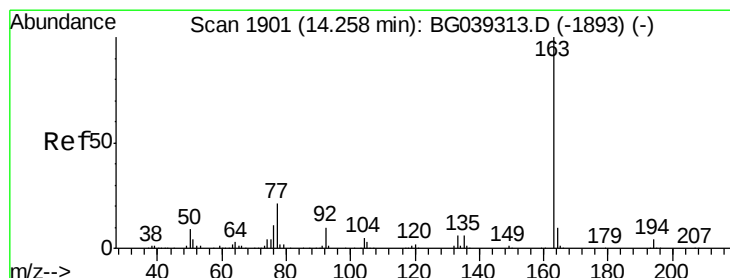
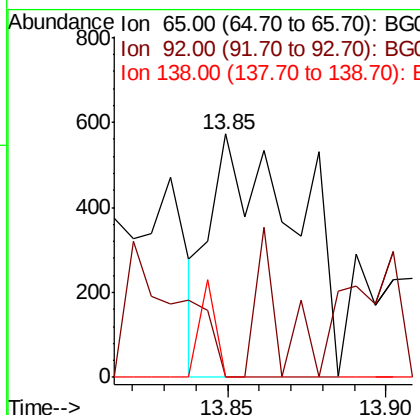
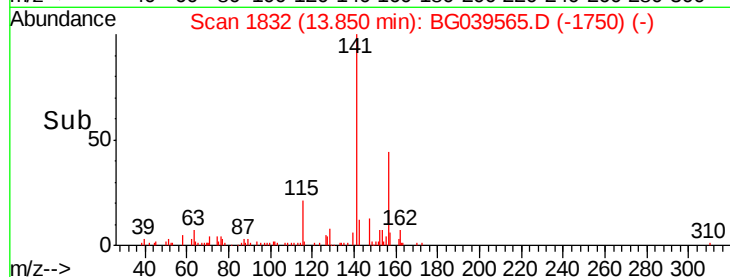
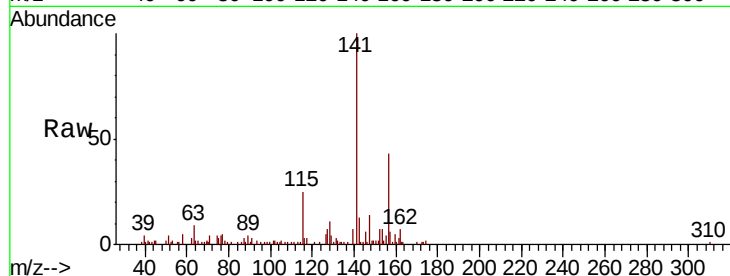




#48
2-Nitroaniline
Concen: 8.616 ng
RT: 13.85 min Scan# 1832
Delta R.T. -0.05 min
Lab File: BG039565.D
Acq: 19 Feb 2019 21:42

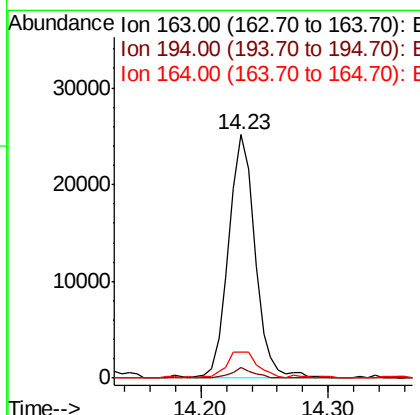
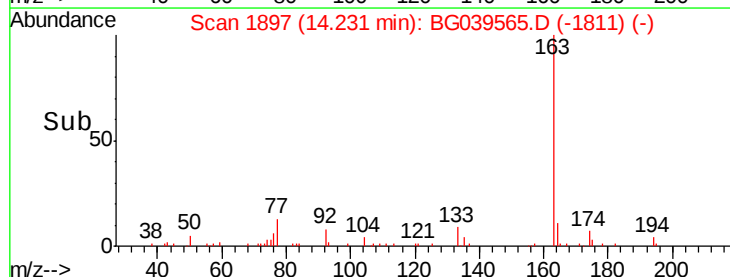
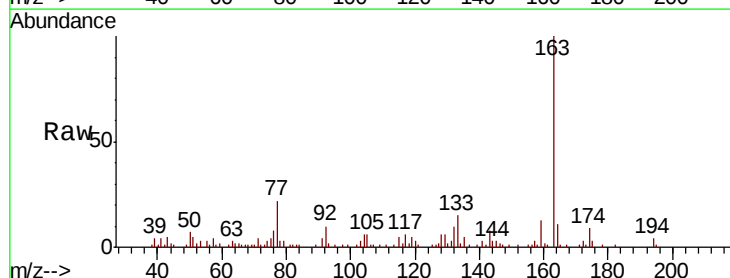
Instrument :
BNA_G
ClientSampleId :
MW-4

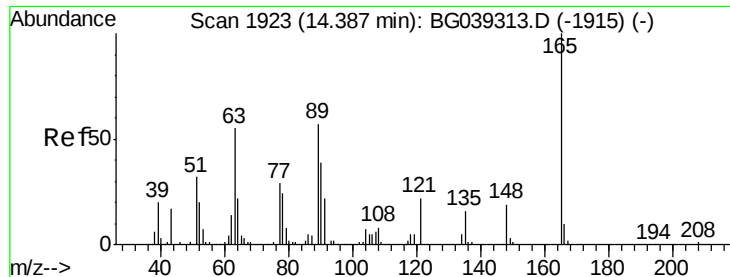
Tgt Ion: 65 Resp: 1070
Ion Ratio Lower Upper
65 100
92 0.0 51.4 77.2#
138 0.0 71.4 107.2#



#50
Dimethylphthalate
Concen: 2.943 ng
RT: 14.23 min Scan# 1897
Delta R.T. -0.03 min
Lab File: BG039565.D
Acq: 19 Feb 2019 21:42

Tgt Ion: 163 Resp: 36614
Ion Ratio Lower Upper
163 100
194 4.2 3.6 5.4
164 10.8 8.4 12.6





#51

2,6-Dinitrotoluene

Concen: 6.876 ng

RT: 14.48 min Scan# 1939

Delta R.T. 0.09 min

Lab File: BG039565.D

Acq: 19 Feb 2019 21:42

Instrument :

BNA_G

ClientSampled :

MW-4

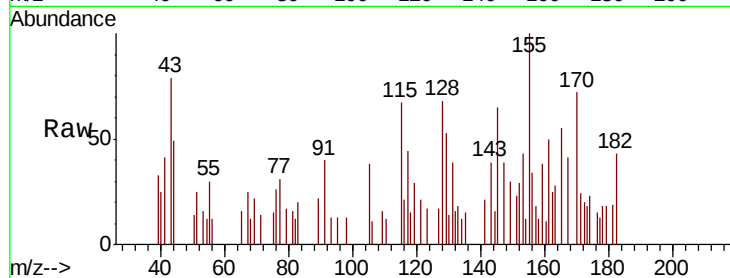
Tgt Ion:165 Resp: 853

Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

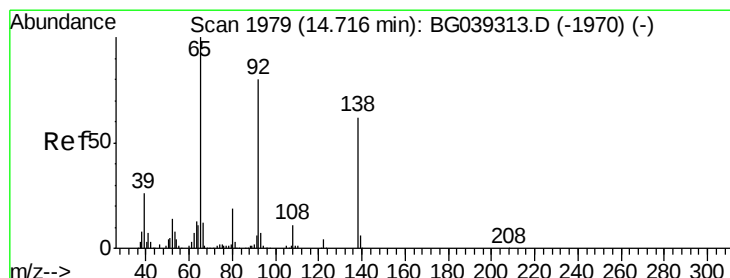
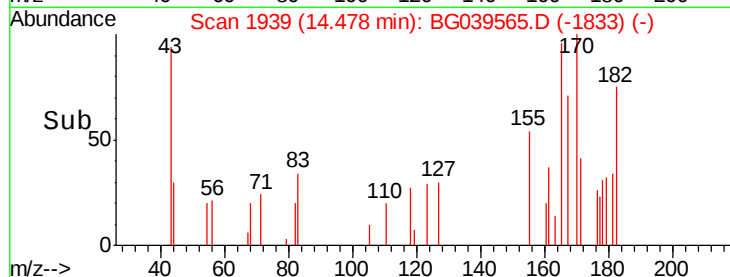
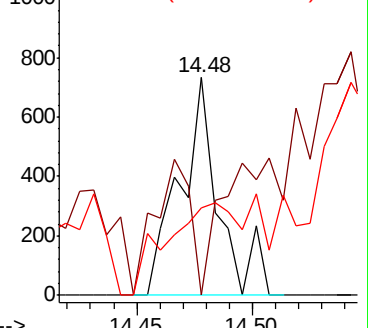
89 40.3 45.8 68.8#



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



#53

3-Nitroaniline

Concen: 5.814 ng

RT: 14.77 min Scan# 1989

Delta R.T. 0.06 min

Lab File: BG039565.D

Acq: 19 Feb 2019 21:42

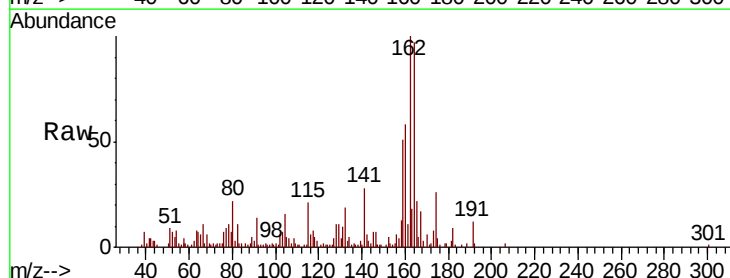
Tgt Ion:138 Resp: 60

Ion Ratio Lower Upper

138 100

108 548.8 13.8 20.8#

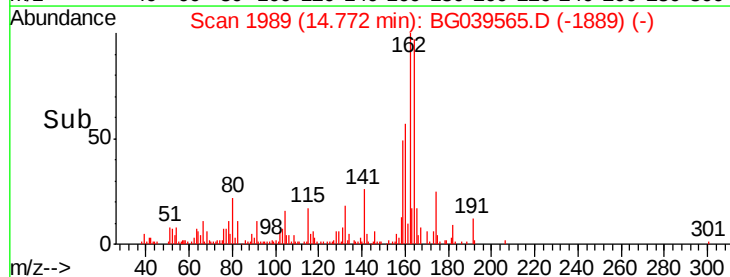
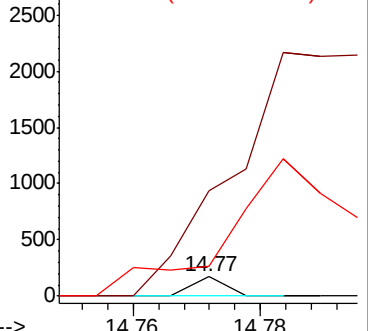
92 157.6 103.7 155.5#

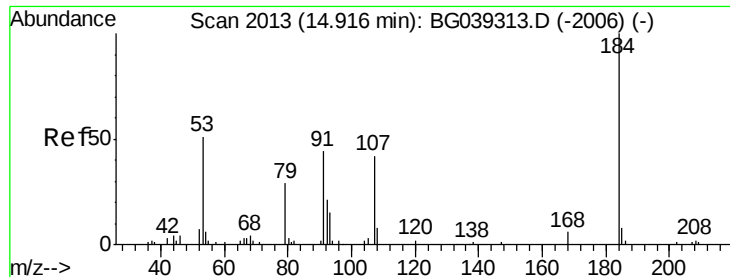


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG





#54

2,4-Dinitrophenol

Concen: 2.716 ng

RT: 15.35 min Scan# 2088

Delta R.T. 0.44 min

Lab File: BG039565.D

Acq: 19 Feb 2019 21:42

Instrument :

BNA_G

ClientSampled :

MW-4

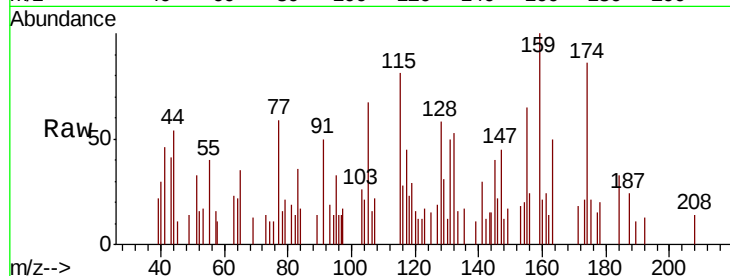
Tgt Ion:184 Resp: 620

Ion Ratio Lower Upper

184 100

63 69.5 50.9 76.3

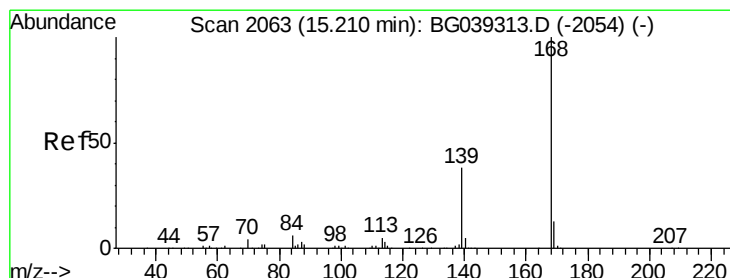
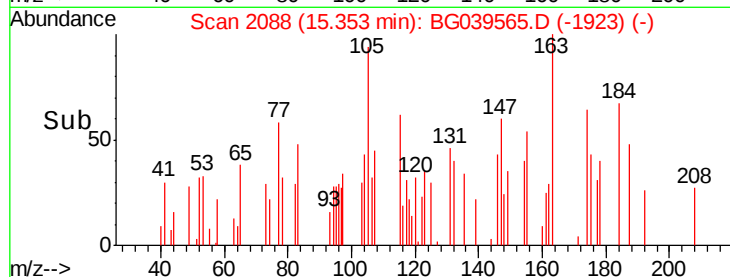
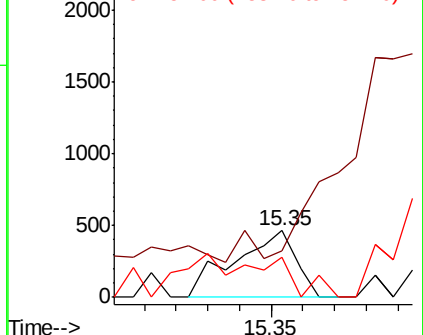
154 59.6 53.0 79.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E



#55

Dibenzofuran

Concen: 5.365 ng

RT: 15.18 min Scan# 2059

Delta R.T. -0.03 min

Lab File: BG039565.D

Acq: 19 Feb 2019 21:42

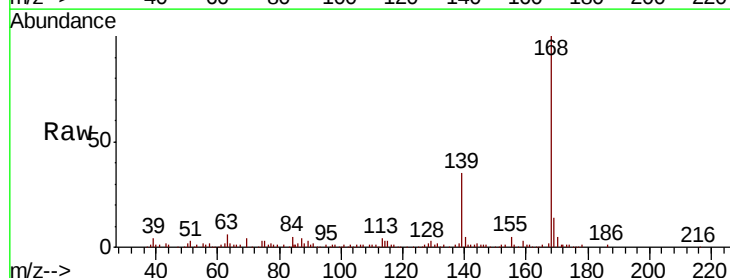
Tgt Ion:168 Resp: 81223

Ion Ratio Lower Upper

168 100

139 35.5 30.1 45.1

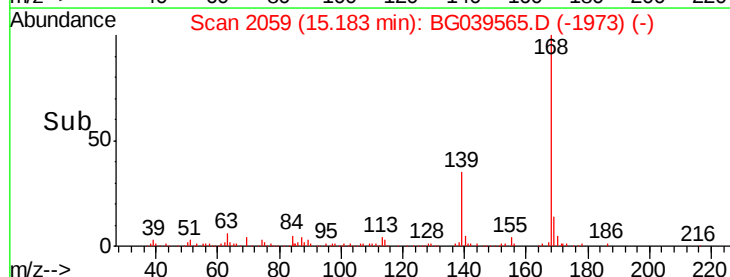
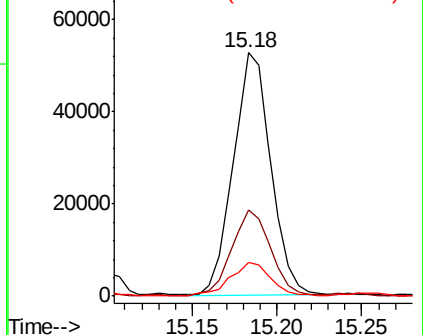
169 13.7 10.6 16.0

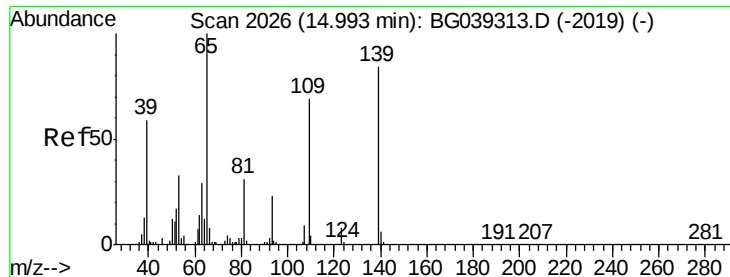


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#56

4-Nitrophenol

Concen: 6.711 ng

RT: 15.01 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BG039565.D

Acq: 19 Feb 2019 21:42

Instrument :

BNA_G

ClientSampled :

MW-4

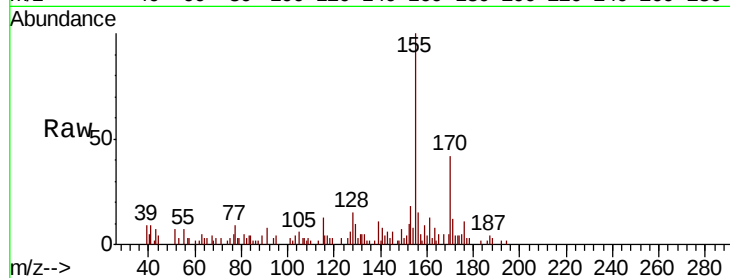
Tgt Ion:139 Resp: 2224

Ion Ratio Lower Upper

139 100

109 27.8 61.9 101.9#

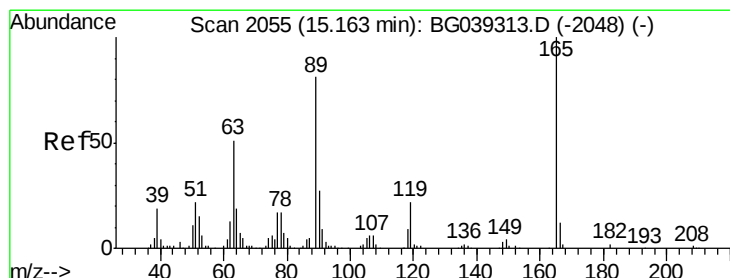
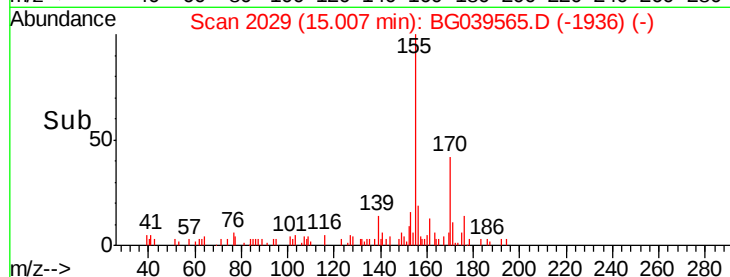
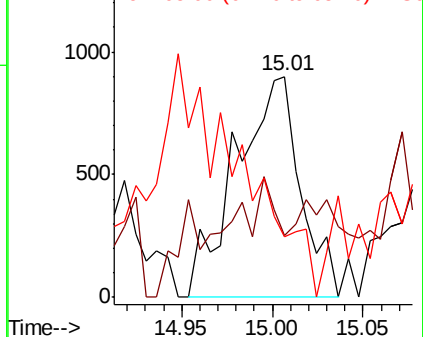
65 27.4 99.1 139.1#



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: 8.258 ng

RT: 15.14 min Scan# 2051

Delta R.T. -0.03 min

Lab File: BG039565.D

Acq: 19 Feb 2019 21:42

Tgt Ion:165 Resp: 1540

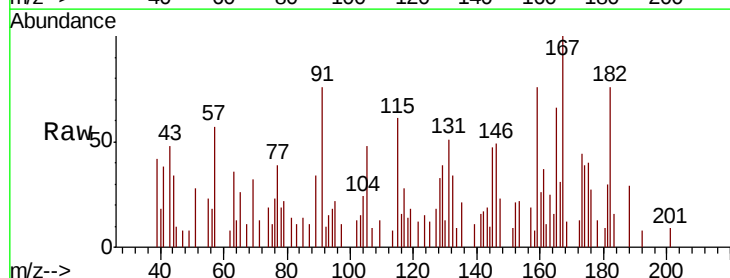
Ion Ratio Lower Upper

165 100

63 54.8 41.0 61.6

89 51.8 64.6 96.8#

182 115.6 2.0 3.0#

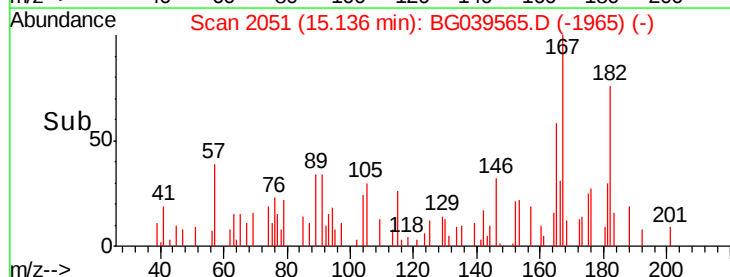
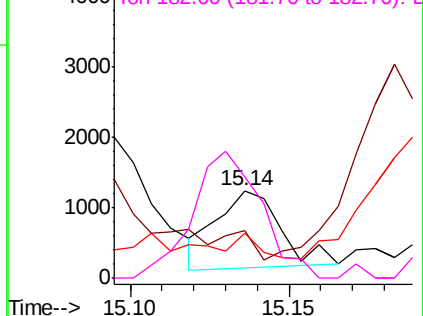


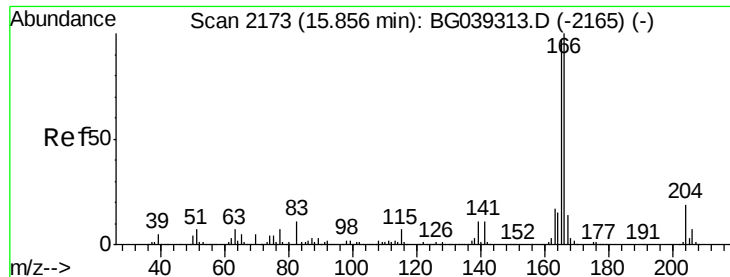
Abundance Ion 165.00 (164.70 to 165.70): E

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





#58

Fluorene

Concen: 12.679 ng

RT: 15.84 min Scan# 2170

Delta R.T. -0.02 min

Lab File: BG039565.D

Acq: 19 Feb 2019 21:42

Instrument :

BNA_G

ClientSampleId :

MW-4

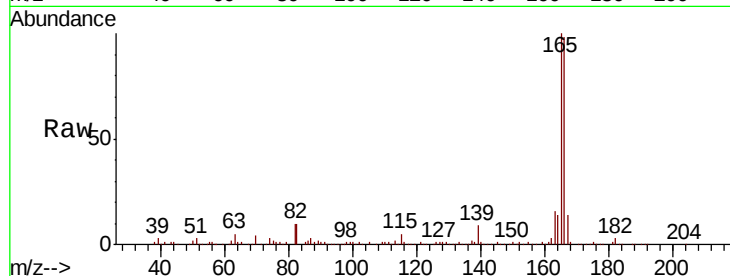
Tgt Ion:166 Resp: 143103

Ion Ratio Lower Upper

166 100

165 101.7 77.9 116.9

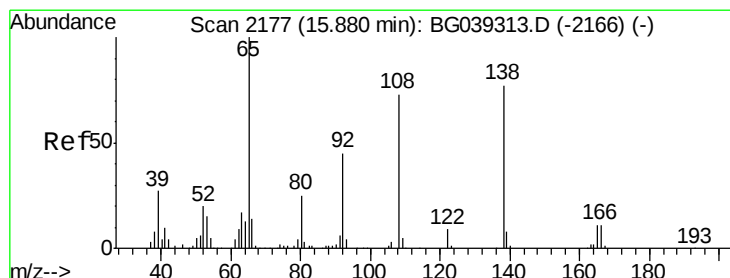
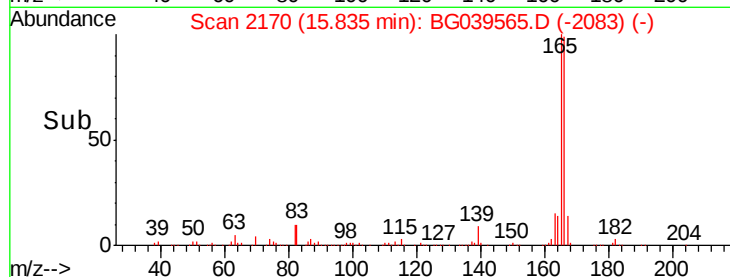
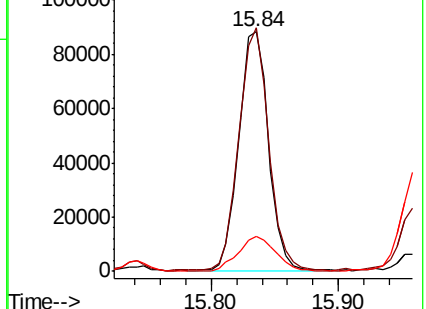
167 14.4 10.8 16.2



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



#62

4-Nitroaniline

Concen: 4.284 ng

RT: 15.69 min Scan# 2146

Delta R.T. -0.18 min

Lab File: BG039565.D

Acq: 19 Feb 2019 21:42

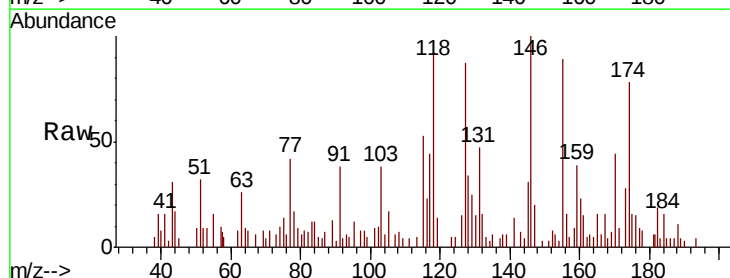
Tgt Ion:138 Resp: 232

Ion Ratio Lower Upper

138 100

92 69.7 38.7 78.7

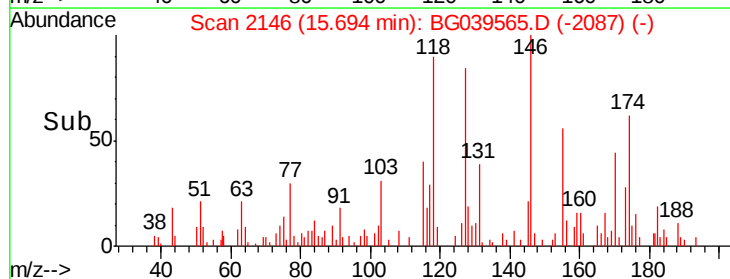
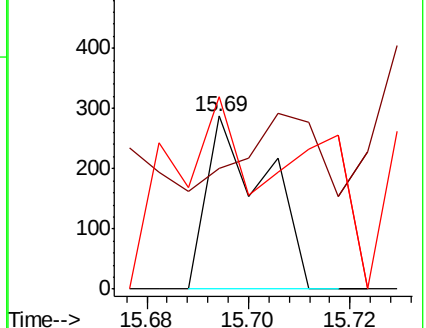
108 111.5 74.6 114.6

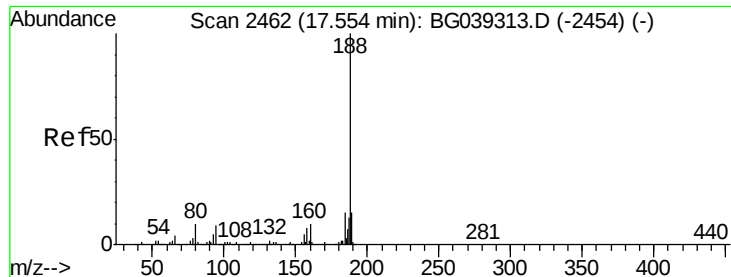


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

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: BG039565.D

Acq: 19 Feb 2019 21:42

Instrument :

BNA_G

ClientSampleId :

MW-4

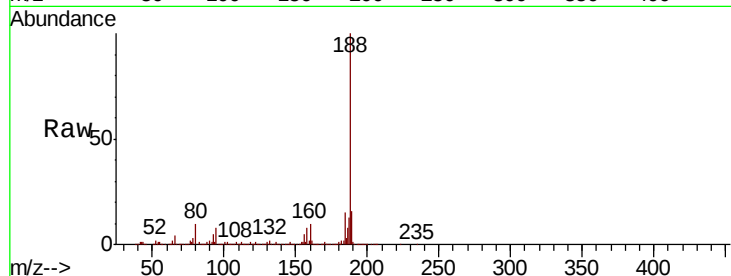
Tgt Ion:188 Resp: 351400

Ion Ratio Lower Upper

188 100

94 8.1 6.9 10.3

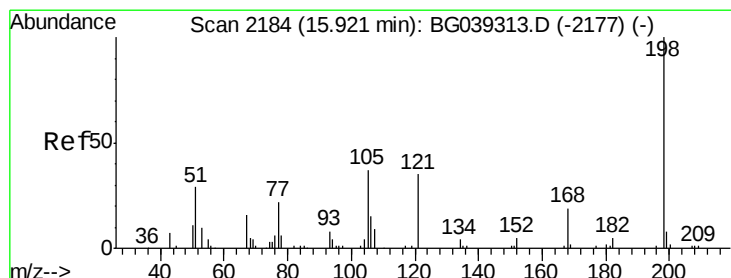
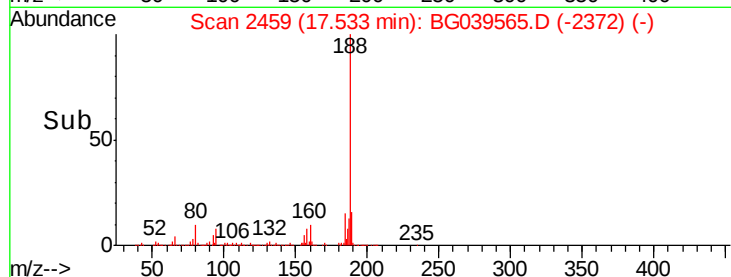
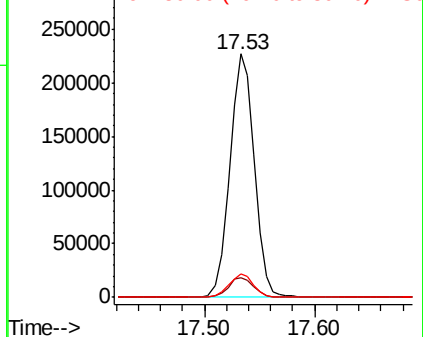
80 9.8 8.1 12.1



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.230 ng

RT: 16.17 min Scan# 2227

Delta R.T. 0.25 min

Lab File: BG039565.D

Acq: 19 Feb 2019 21:42

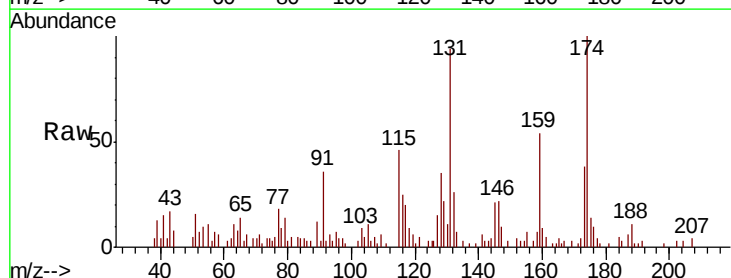
Tgt Ion:198 Resp: 65

Ion Ratio Lower Upper

198 100

51 674.3 27.4 67.4#

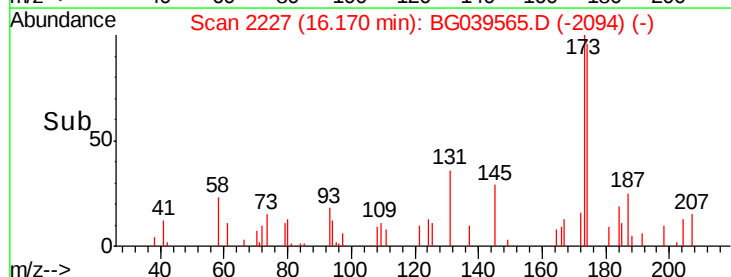
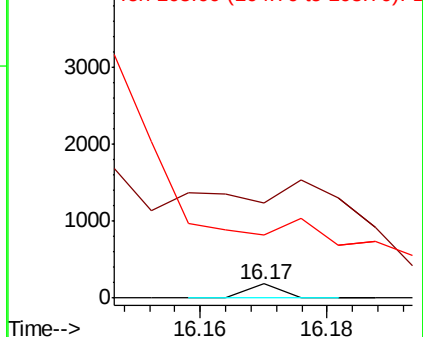
105 450.3 19.7 59.7#

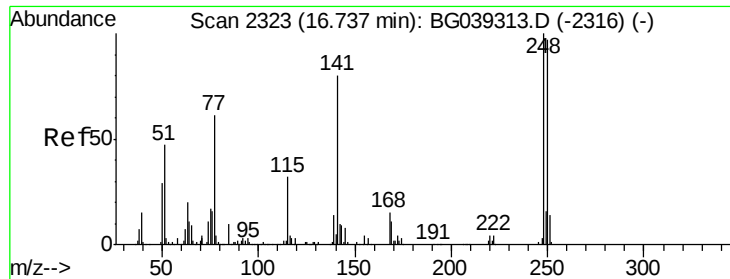


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

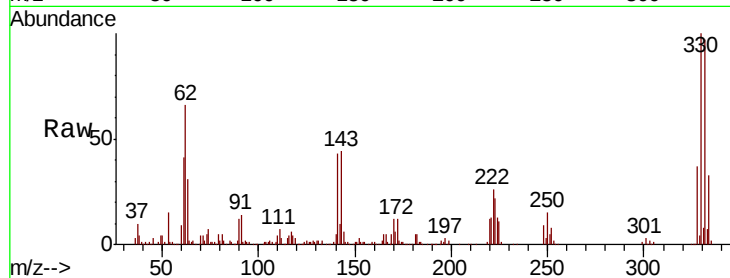




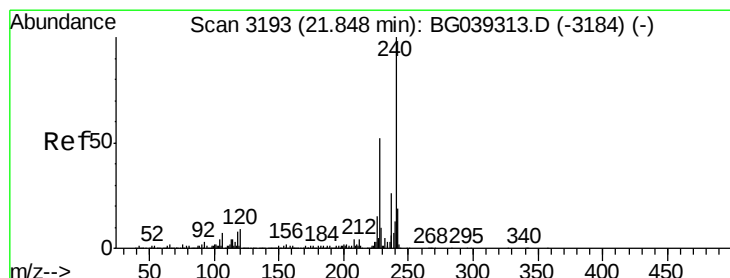
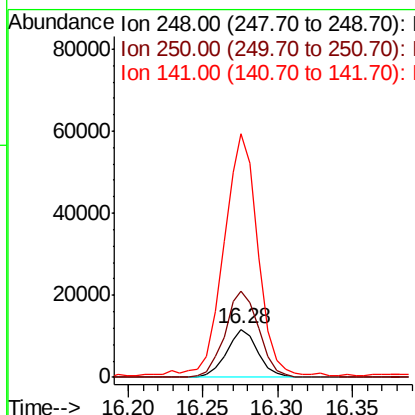
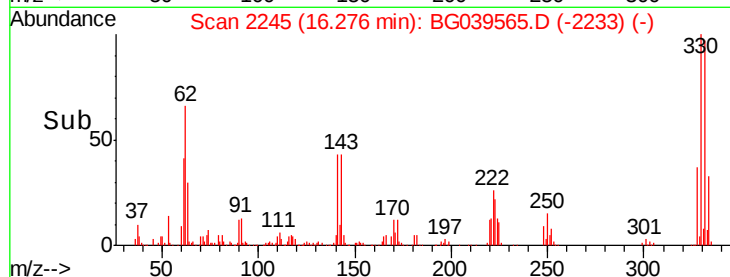
#67
4-Bromophenyl-phenylether
Concen: 4.395 ng
RT: 16.28 min Scan# 2245
Delta R.T. -0.46 min
Lab File: BG039565.D
Acq: 19 Feb 2019 21:42

Instrument :
BNA_G
ClientSampleId :
MW-4

Tgt Ion:248 Resp: 17134
Ion Ratio Lower Upper
248 100
250 179.0 77.6 116.4#
141 507.4 63.9 95.9#

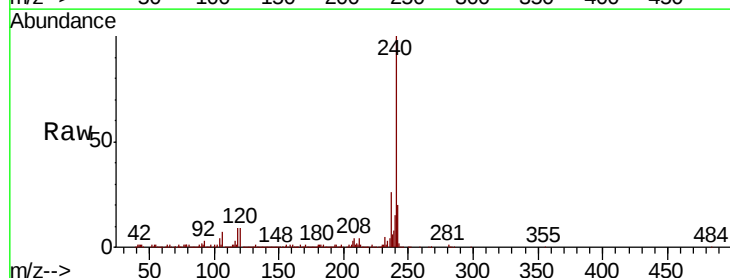


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

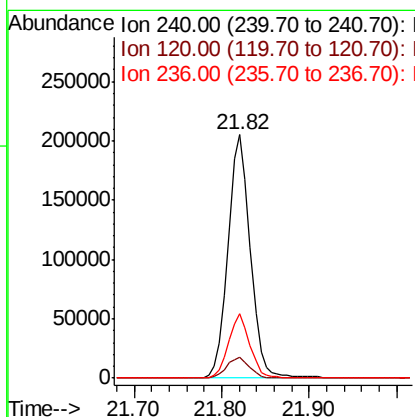
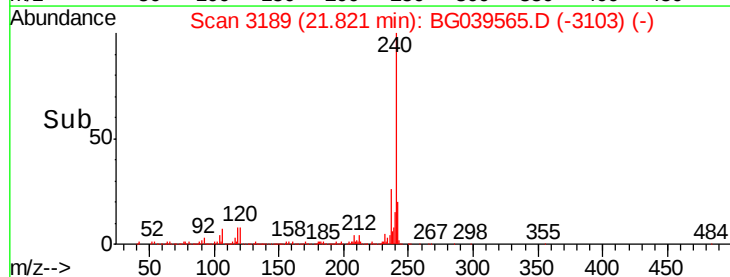


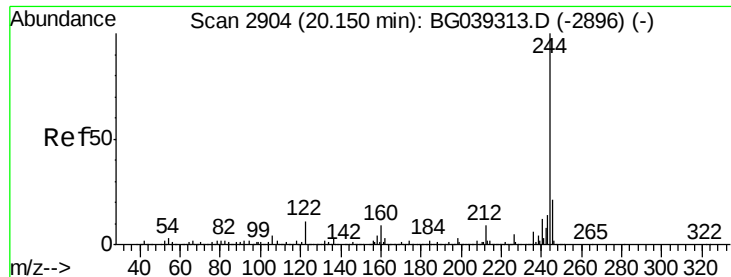
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3189
Delta R.T. -0.03 min
Lab File: BG039565.D
Acq: 19 Feb 2019 21:42

Tgt Ion:240 Resp: 357624
Ion Ratio Lower Upper
240 100
120 8.6 7.0 10.6
236 26.4 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: 75.602 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039565.D

Acq: 19 Feb 2019 21:42

Instrument :

BNA_G

ClientSampleId :

MW-4

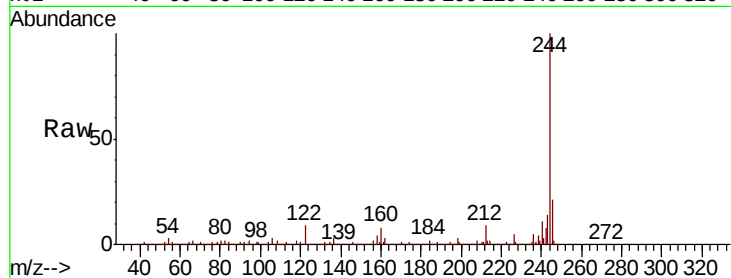
Tgt Ion:244 Resp: 1277337

Ion Ratio Lower Upper

244 100

212 9.0 7.3 10.9

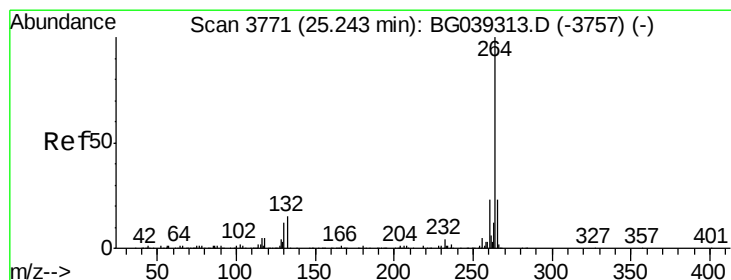
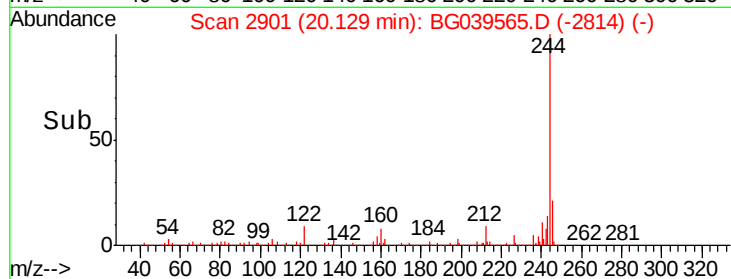
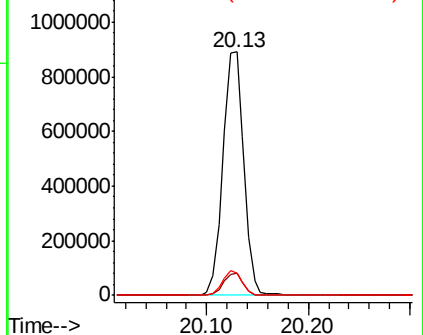
122 9.0 8.4 12.6



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: 25.20 min Scan# 3764

Delta R.T. -0.04 min

Lab File: BG039565.D

Acq: 19 Feb 2019 21:42

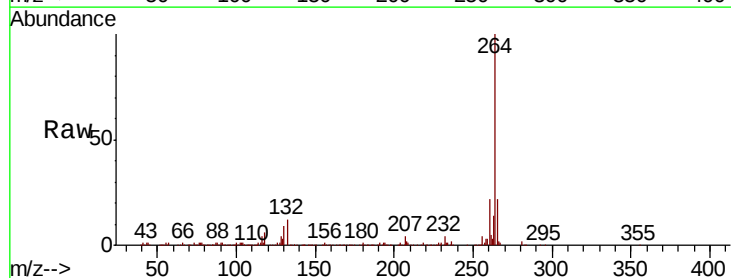
Tgt Ion:264 Resp: 350019

Ion Ratio Lower Upper

264 100

260 21.9 18.2 27.4

265 22.0 18.5 27.7



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

