

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020719\
 Data File : BG039388.D
 Acq On : 7 Feb 2019 18:59
 Operator : JU/SJ
 Sample : K1392-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TW-1

Quant Time: Feb 08 09:13:51 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

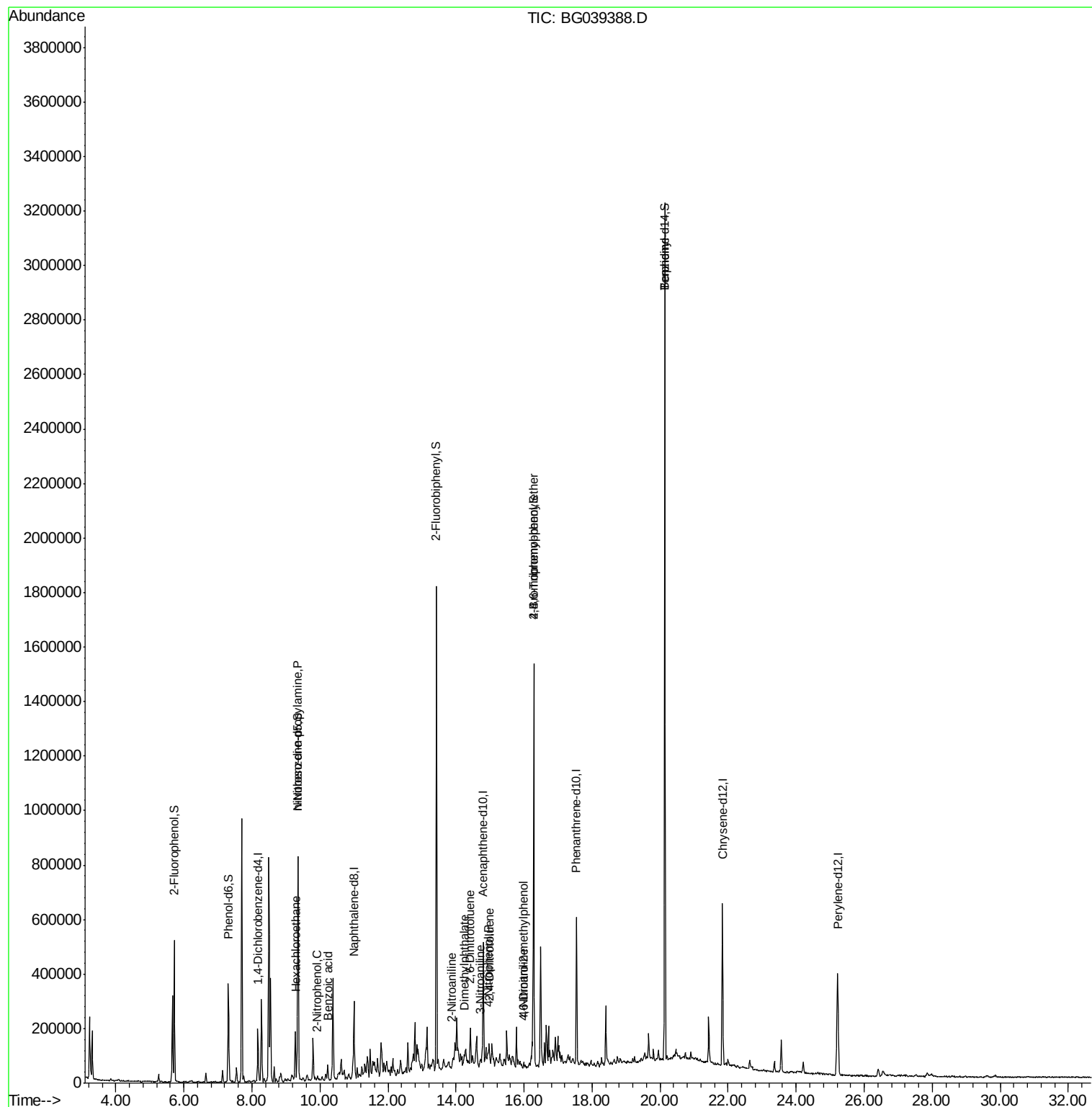
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	53550	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	224554	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	150271	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	332242	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	369033	20.00	ng	-0.01
87) Perylene-d12	25.22	264	384163	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	222099	70.98	ng	0.00
7) Phenol-d6	7.31	99	200138	43.46	ng	-0.01
23) Nitrobenzene-d5	9.35	82	416567	115.89	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	253744	156.81	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	952545	90.93	ng	0.00
79) Terphenyl-d14	20.14	244	1450212	83.18	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.31	77	476	Below Cal	#	1
18) Hexachloroethane	9.29	117	24957	17.57	ng	# 1
19) n-Nitroso-di-n-propylamine	9.35	70	56627	17.32	ng	# 77
26) 2-Nitrophenol	9.92	139	628	4.50	ng	# 88
32) Benzoic acid	10.23	122	136	9.07	ng	# 1
48) 2-Nitroaniline	13.86	65	372	8.41	ng	# 51
50) Dimethylphthalate	14.25	163	26827	2.21	ng	# 91
51) 2,6-Dinitrotoluene	14.42	165	3300	7.82	ng	# 60
53) 3-Nitroaniline	14.71	138	717	6.05	ng	# 29
56) 4-Nitrophenol	14.95	139	241	5.90	ng	# 59
57) 2,4-Dinitrotoluene	14.99	165	1260	8.19	ng	# 71
62) 4-Nitroaniline	15.99	138	631	4.43	ng	# 90
65) 4,6-Dinitro-2-methylphenol	15.98	198	55	4.22	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	19329	5.24	ng	# 1
77) Benzidine	20.14	184	26514	2.19	ng	# 94

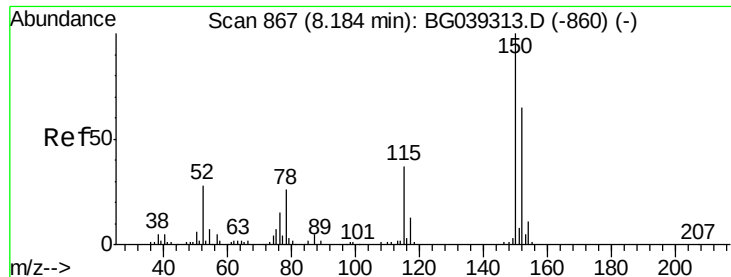
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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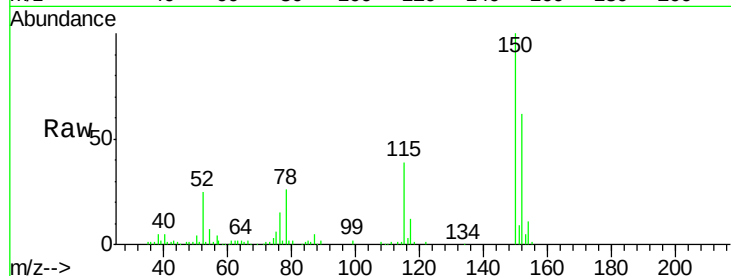


#1

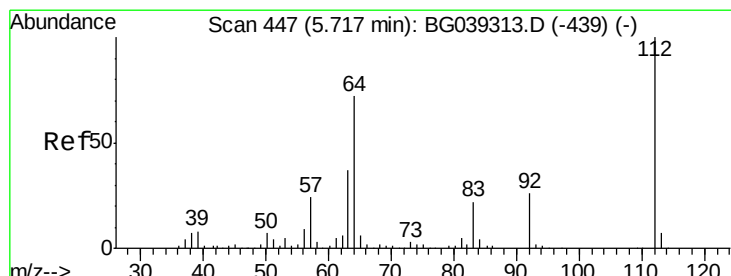
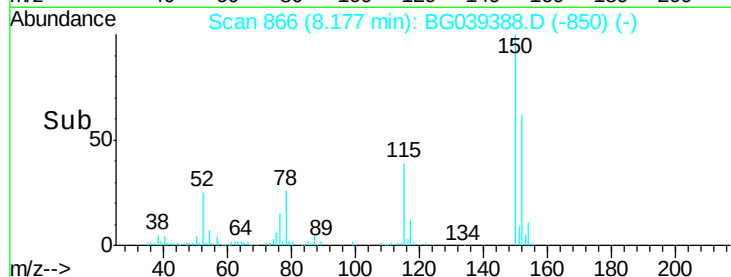
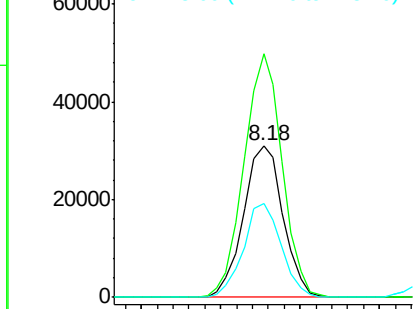
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039388.D
Acq: 7 Feb 2019 18:59

Instrument :
BNA_G
ClientSampled :
TW-1

Tot Ion:152 Resp: 53550
Ion Ratio Lower Upper
152 100
150 160.7 123.7 185.5
115 62.0 45.9 68.9



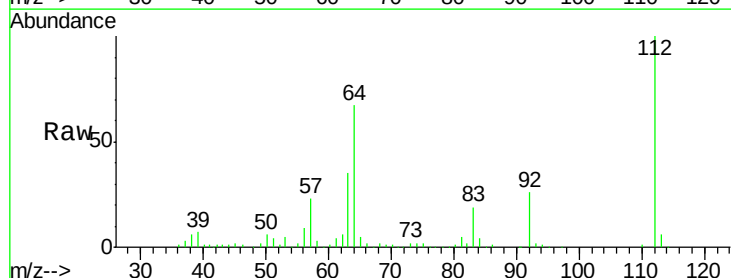
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



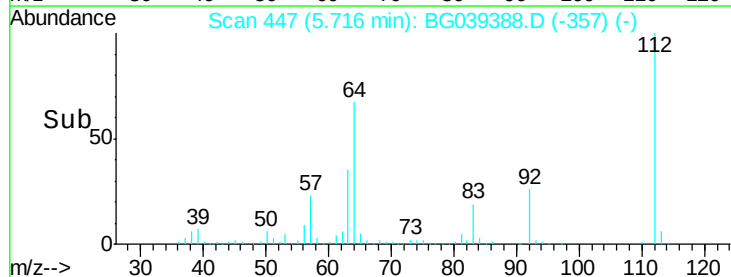
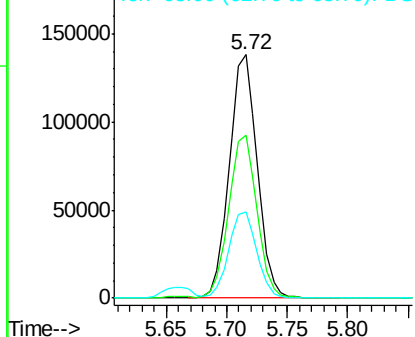
#5

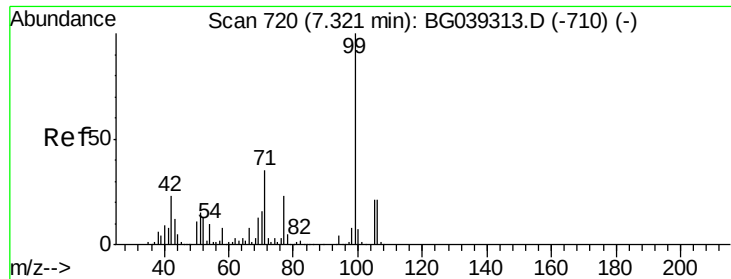
2-Fluorophenol
Concen: 70.98 ng
RT: 5.72 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039388.D
Acq: 7 Feb 2019 18:59

Tgt Ion:112 Resp: 222099
Ion Ratio Lower Upper
112 100
64 66.9 57.8 86.8
63 35.2 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: 43.46 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039388.D

Acq: 7 Feb 2019 18:59

Instrument :

BNA_G

ClientSampleId :

TW-1

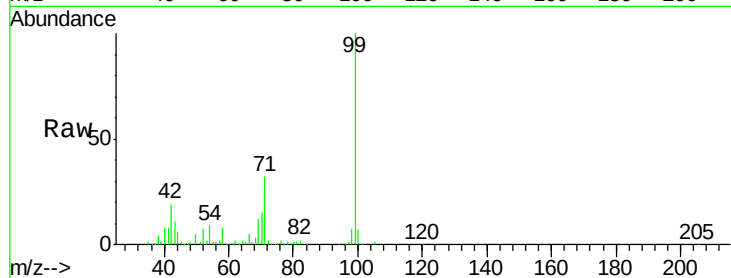
Tot Ion: 99 Resp: 200138

Ion Ratio Lower Upper

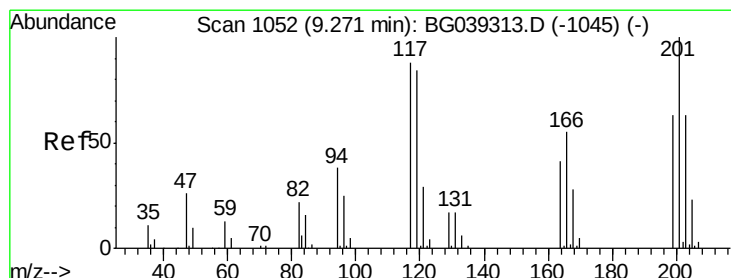
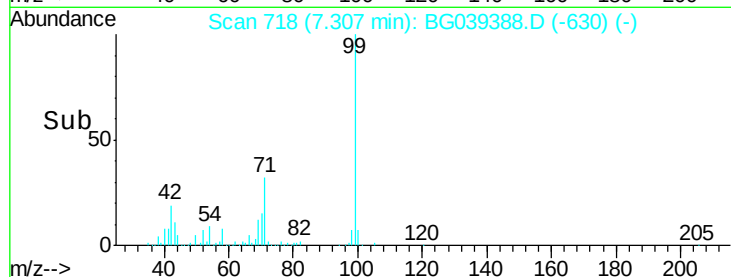
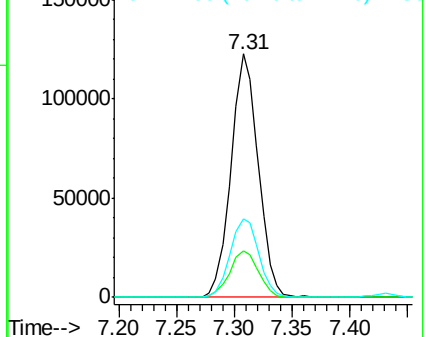
99 100

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



#18

Hexachloroethane

Concen: 17.57 ng

RT: 9.29 min Scan# 1055

Delta R.T. 0.02 min

Lab File: BG039388.D

Acq: 7 Feb 2019 18:59

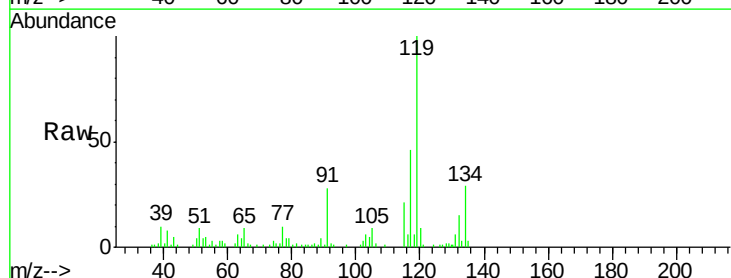
Tgt Ion: 117 Resp: 24957

Ion Ratio Lower Upper

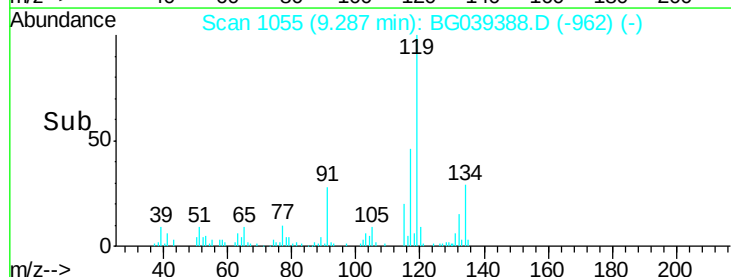
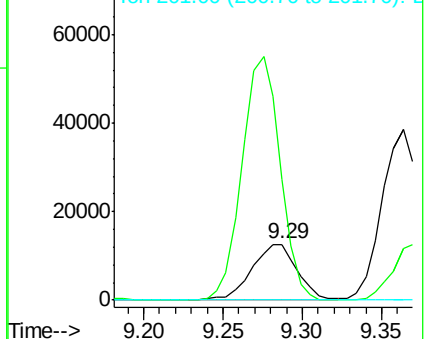
117 100

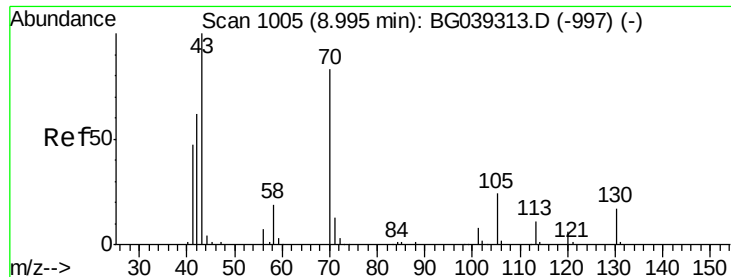
119 216.6 76.3 114.5#

201 0.0 91.1 136.7#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

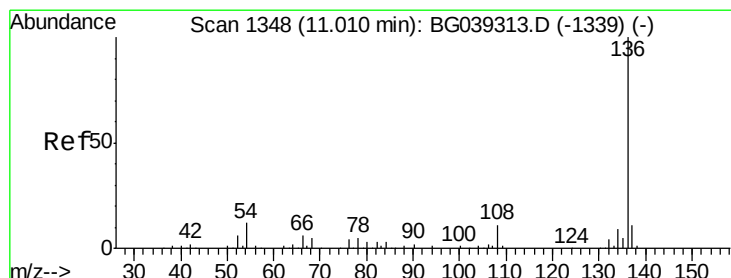
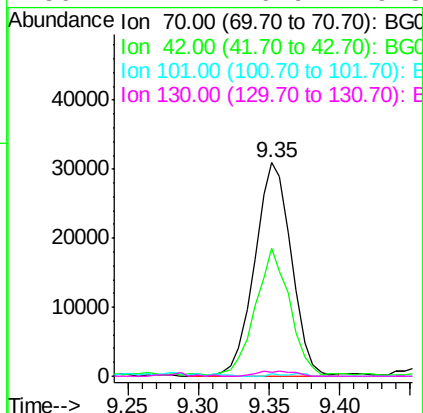
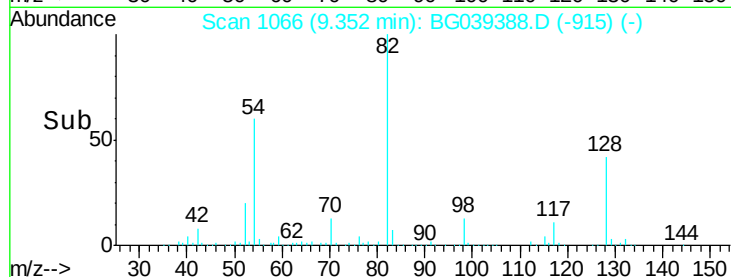
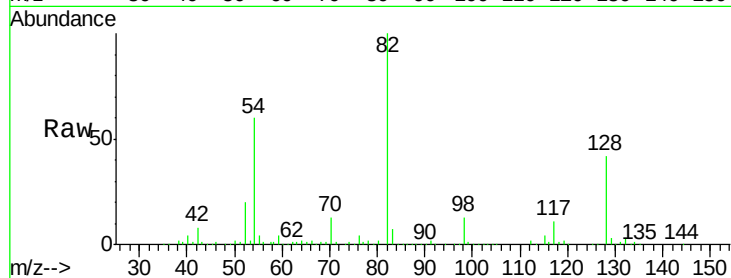




#19
n-Nitroso-di-n-propylamine
Concen: 17.32 ng
RT: 9.35 min Scan# 1066
Delta R.T. 0.36 min
Lab File: BG039388.D
Acq: 7 Feb 2019 18:59

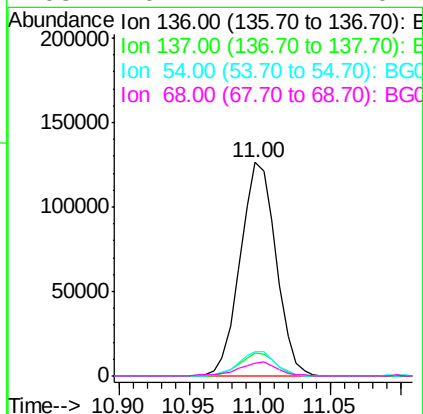
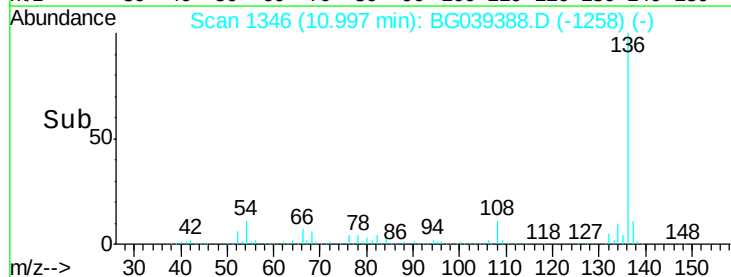
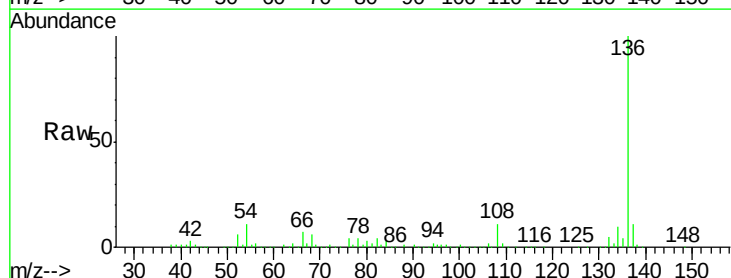
Instrument :
BNA_G
ClientSampled :
TW-1

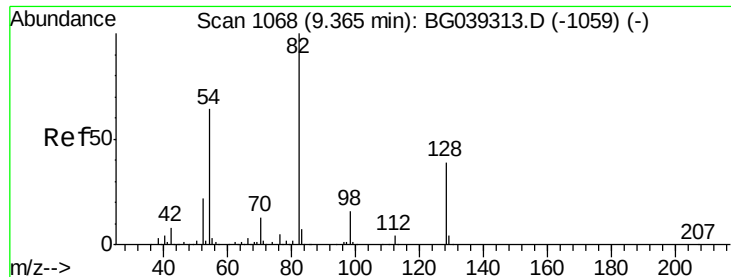
Tot Ion: 70 Resp: 56627
Ion Ratio Lower Upper
70 100
42 60.2 60.4 90.6#
101 1.0 7.5 11.3#
130 1.7 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039388.D
Acq: 7 Feb 2019 18:59

Tgt Ion: 136 Resp: 224554
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 11.2 9.4 14.2
68 6.2 4.2 6.4

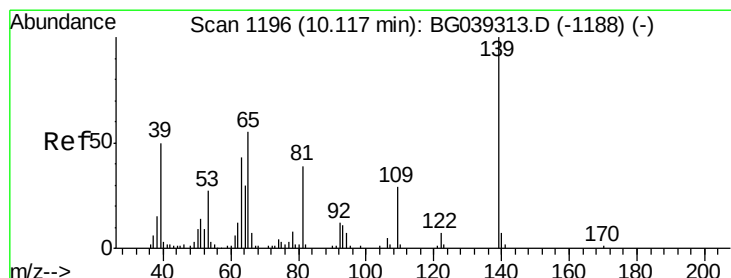
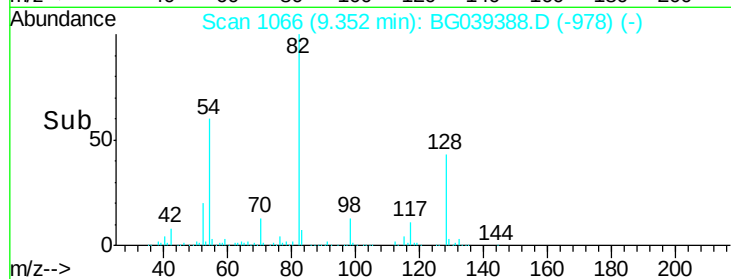
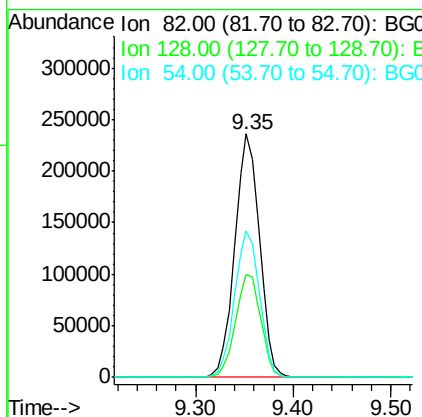
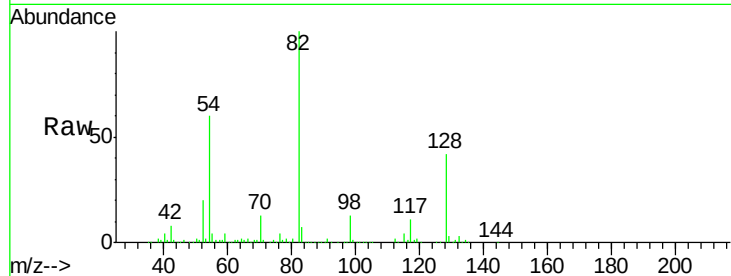




#23
 Nitrobenzene-d5
 Concen: 115.89 ng
 RT: 9.35 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: BG039388.D
 Acq: 7 Feb 2019 18:59

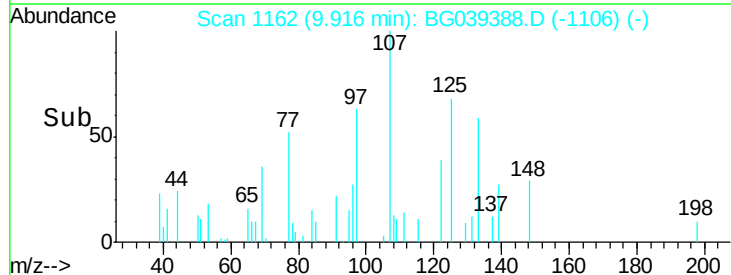
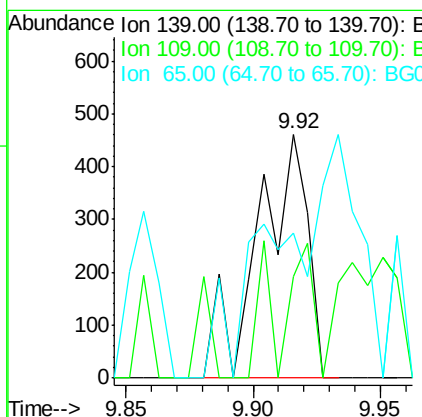
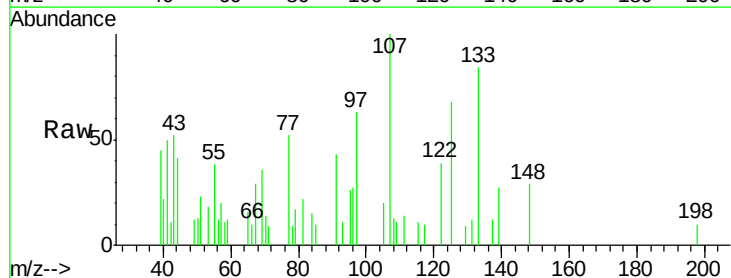
Instrument :
 BNA_G
 ClientSampleId :
 TW-1

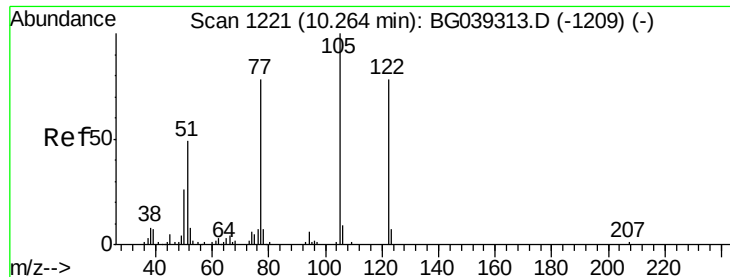
Tot Ion	82	Resp	416567
Ion Ratio	100	Lower	Upper
128	42.5	31.3	46.9
54	60.2	50.9	76.3



#26
 2-Nitrophenol
 Concen: 4.50 ng
 RT: 9.92 min Scan# 1162
 Delta R.T. -0.20 min
 Lab File: BG039388.D
 Acq: 7 Feb 2019 18:59

Tgt Ion	139	Resp	628
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
109	41.6	23.4	35.0#
65	59.7	44.3	66.5

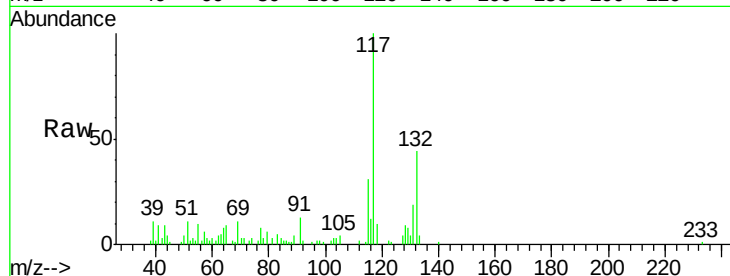




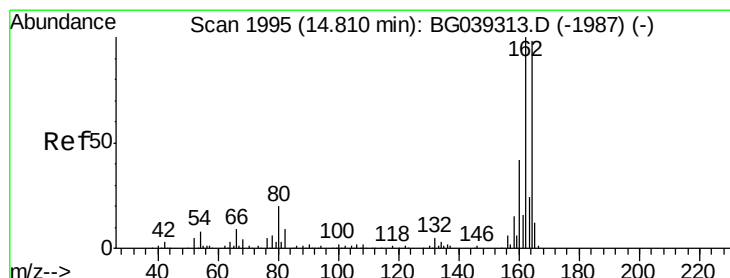
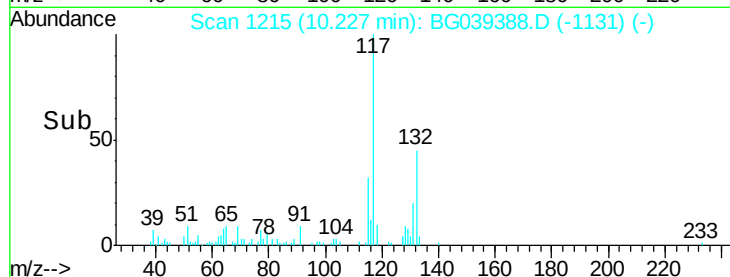
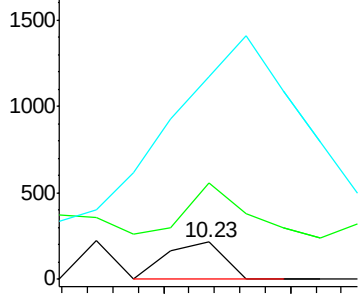
#32
Benzoic acid
Concen: 9.07 ng
RT: 10.23 min Scan# 1215
Delta R.T. -0.04 min
Lab File: BG039388.D
Acq: 7 Feb 2019 18:59

Instrument :
BNA_G
ClientSampleId :
TW-1

Tot Ion:122 Resp: 136
Ion Ratio Lower Upper
122 100
105 258.1 101.8 141.8#
77 539.2 76.3 116.3#

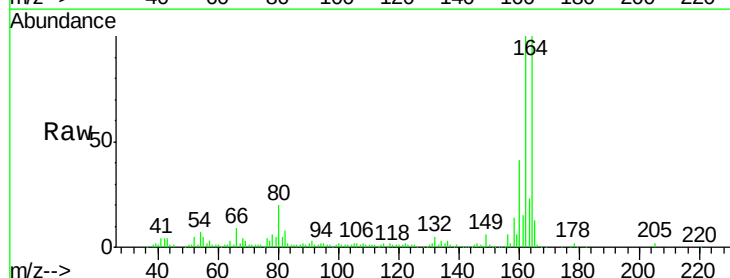


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

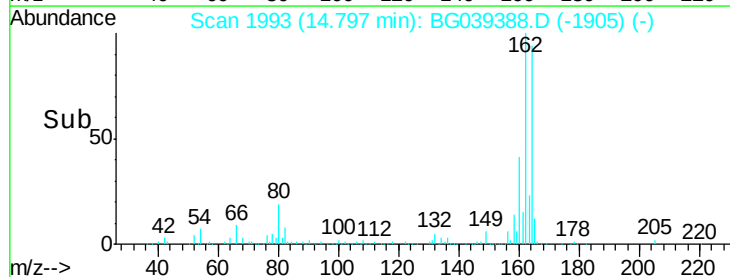
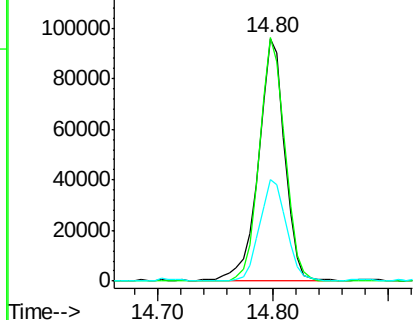


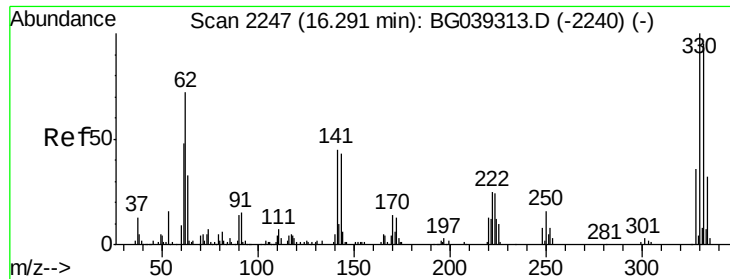
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BG039388.D
Acq: 7 Feb 2019 18:59

Tgt Ion:164 Resp: 150271
Ion Ratio Lower Upper
164 100
162 100.3 81.6 122.4
160 41.6 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: 156.81 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039388.D

Acq: 7 Feb 2019 18:59

Instrument :

BNA_G

ClientSampled :

TW-1

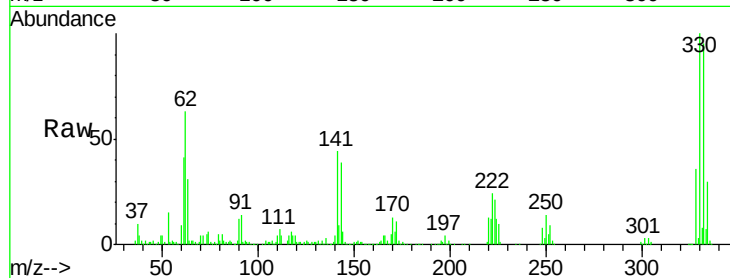
Tot Ion:330 Resp: 253744

Ion Ratio Lower Upper

330 100

332 95.0 75.7 113.5

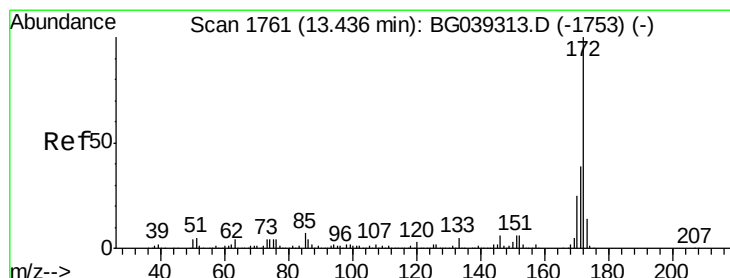
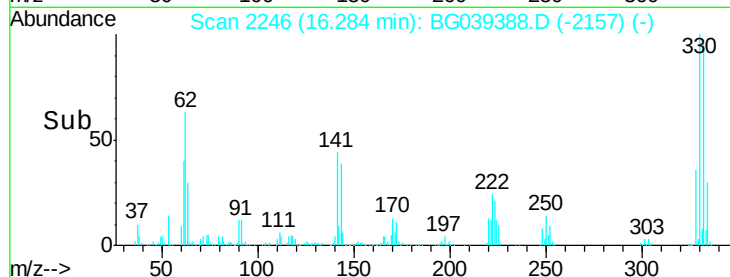
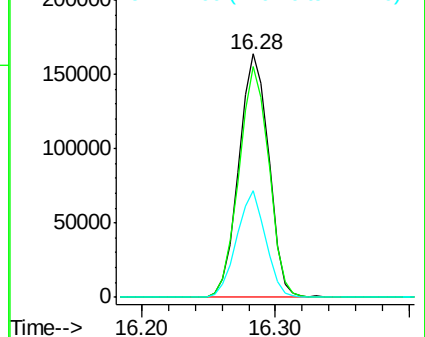
141 42.5 35.6 53.4



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: 90.93 ng

RT: 13.43 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BG039388.D

Acq: 7 Feb 2019 18:59

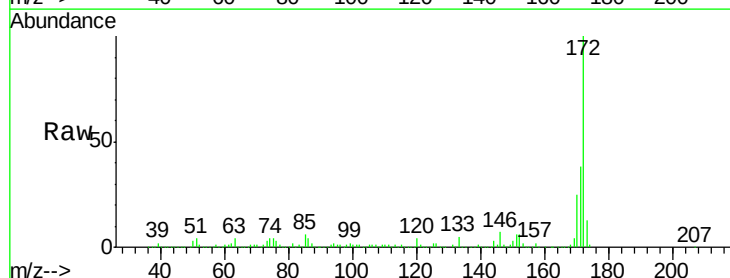
Tgt Ion:172 Resp: 952545

Ion Ratio Lower Upper

172 100

171 37.7 30.8 46.2

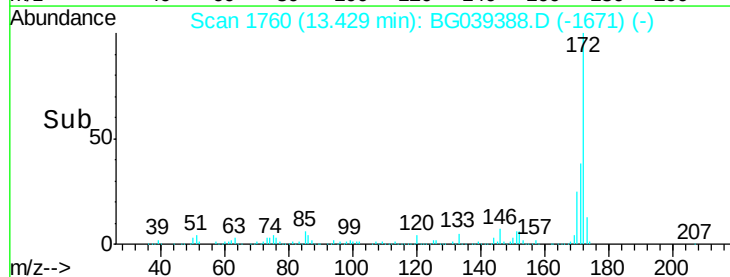
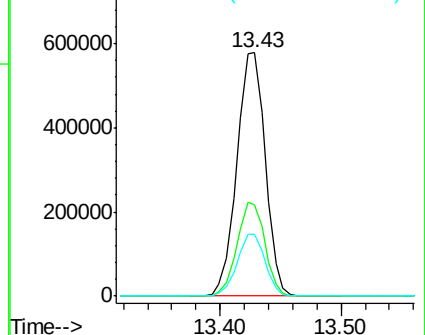
170 25.3 20.2 30.4

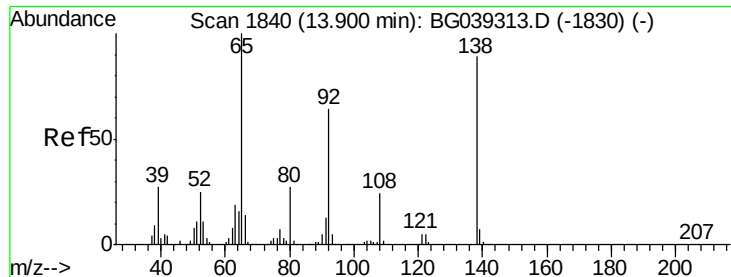


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 8.41 ng

RT: 13.86 min Scan# 1833

Delta R.T. -0.04 min

Lab File: BG039388.D

Acq: 7 Feb 2019 18:59

Instrument :

BNA_G

ClientSampleId :

TW-1

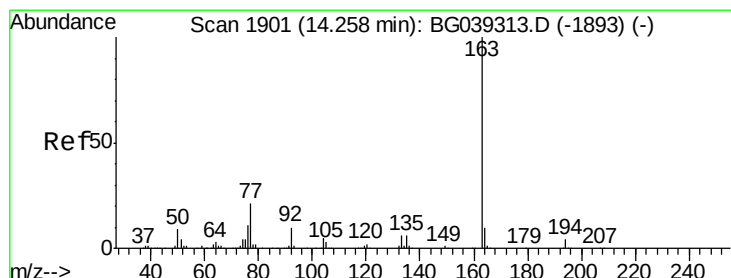
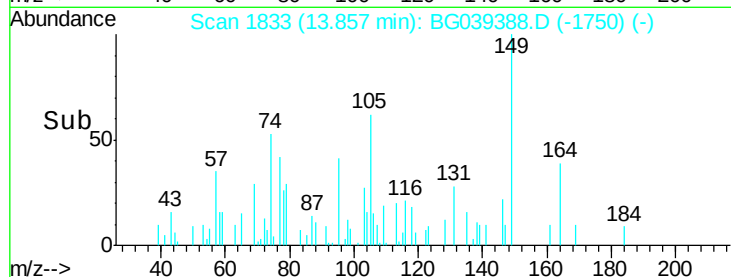
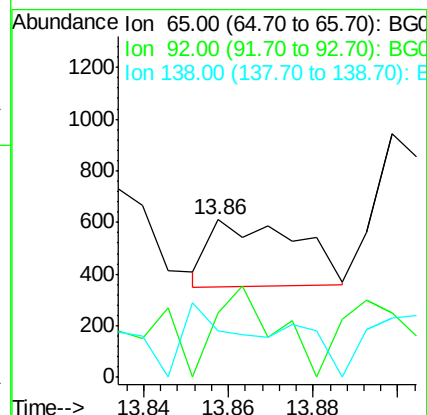
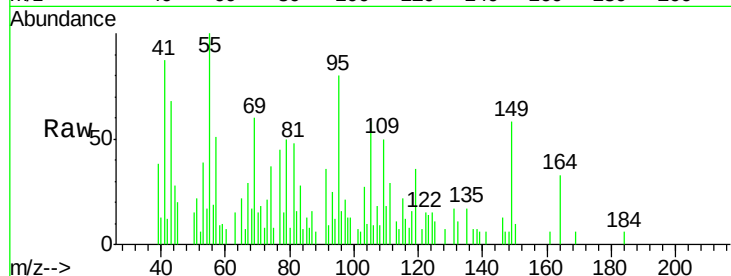
Tot Ion: 65 Resp: 372

Ion Ratio Lower Upper

65 100

92 41.0 51.4 77.2#

138 29.8 71.4 107.2#



#50

Dimethylphthalate

Concen: 2.21 ng

RT: 14.25 min Scan# 1899

Delta R.T. -0.01 min

Lab File: BG039388.D

Acq: 7 Feb 2019 18:59

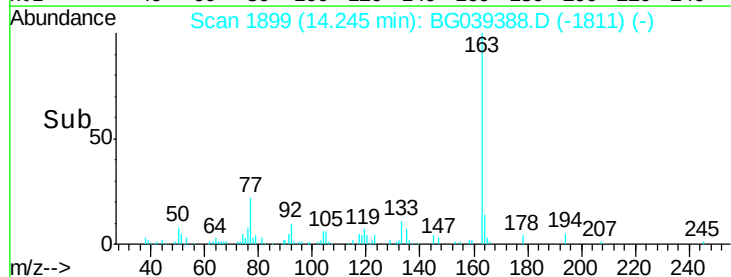
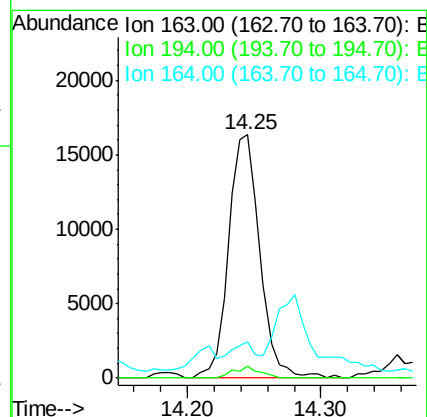
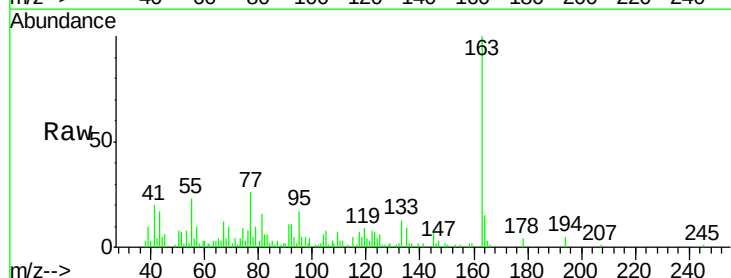
Tgt Ion:163 Resp: 26827

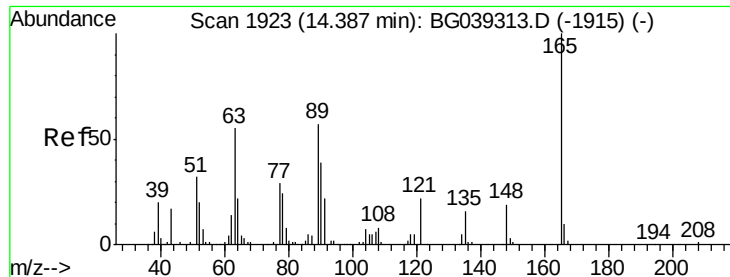
Ion Ratio Lower Upper

163 100

194 4.7 3.6 5.4

164 15.1 8.4 12.6#





#51

2,6-Dinitrotoluene

Concen: 7.82 ng

RT: 14.42 min Scan# 1929

Delta R.T. 0.03 min

Lab File: BG039388.D

Acq: 7 Feb 2019 18:59

Instrument :

BNA_G

ClientSampleId :

TW-1

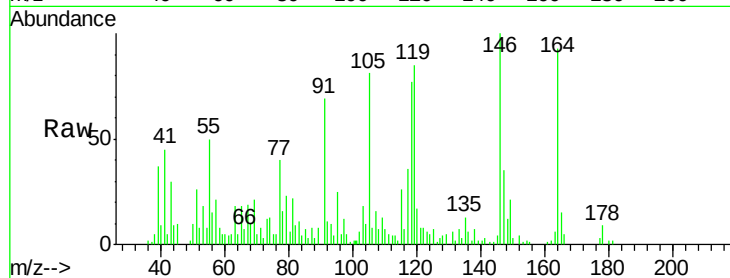
Tot Ion:165 Resp: 3300

Ion Ratio Lower Upper

165 100

63 116.6 47.0 70.6#

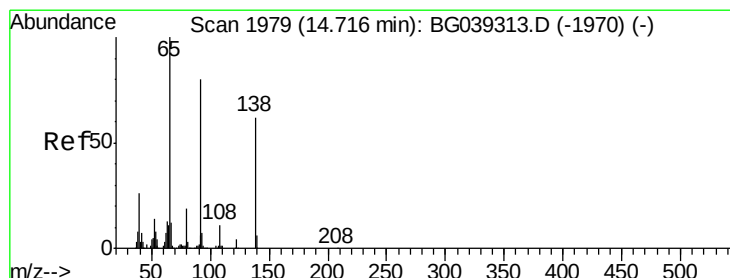
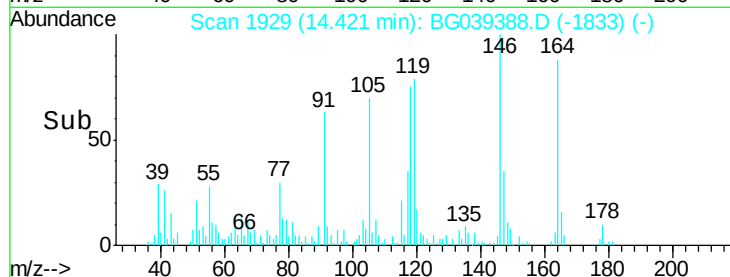
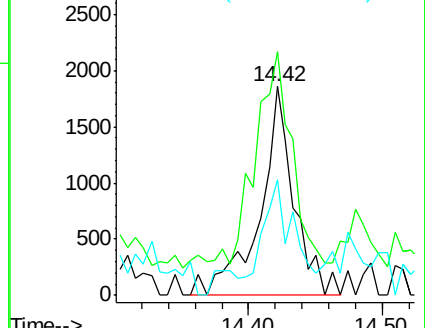
89 55.2 45.8 68.8



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: 6.05 ng

RT: 14.71 min Scan# 1978

Delta R.T. -0.01 min

Lab File: BG039388.D

Acq: 7 Feb 2019 18:59

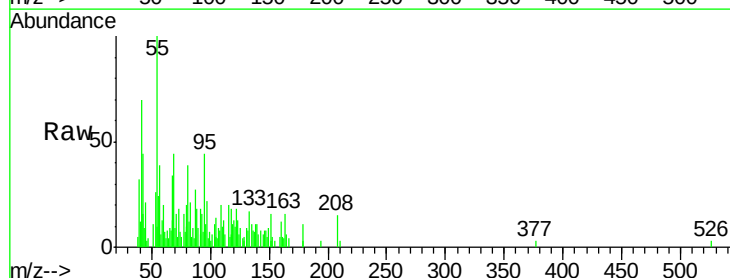
Tgt Ion:138 Resp: 717

Ion Ratio Lower Upper

138 100

108 72.4 13.8 20.8#

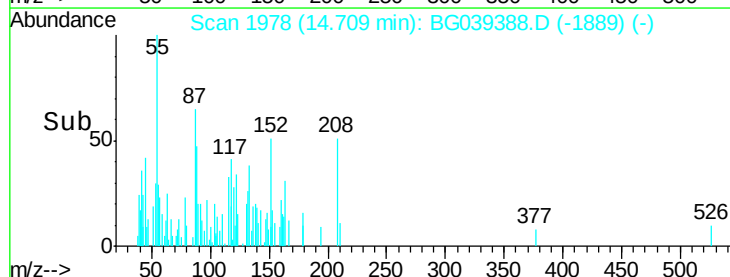
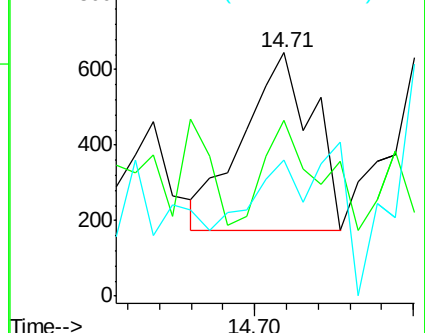
92 55.8 103.7 155.5#

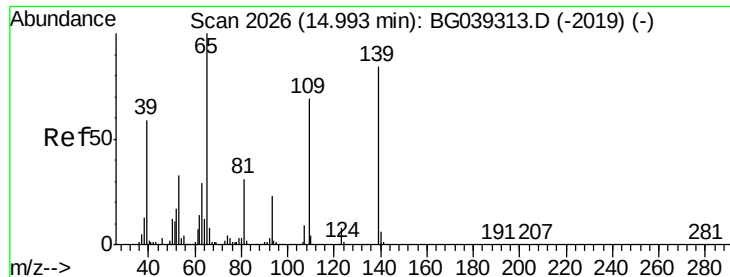


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

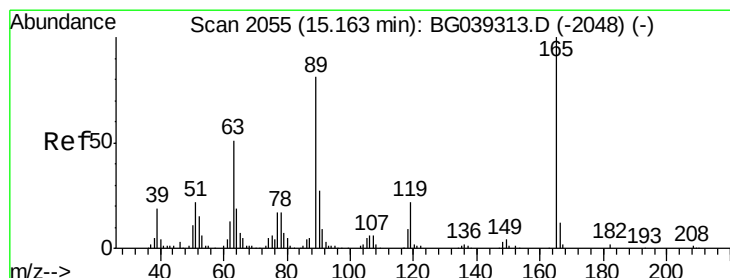
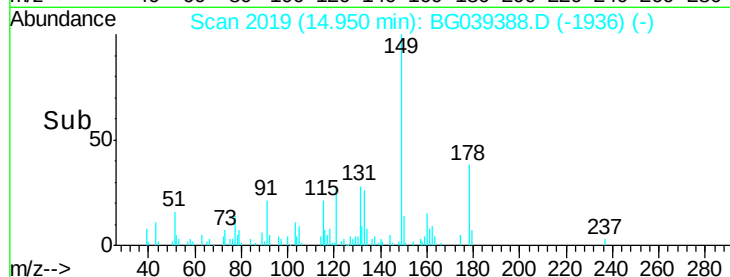
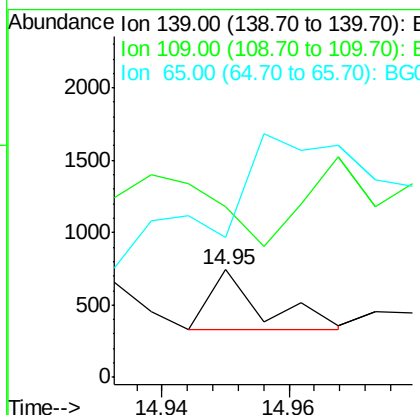
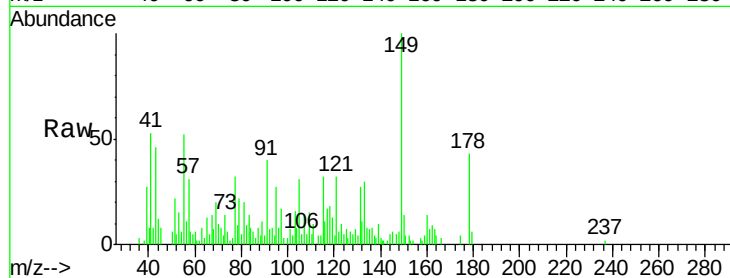




#56
4-Nitrophenol
Concen: 5.90 ng
RT: 14.95 min Scan# 2019
Delta R.T. -0.04 min
Lab File: BG039388.D
Acq: 7 Feb 2019 18:59

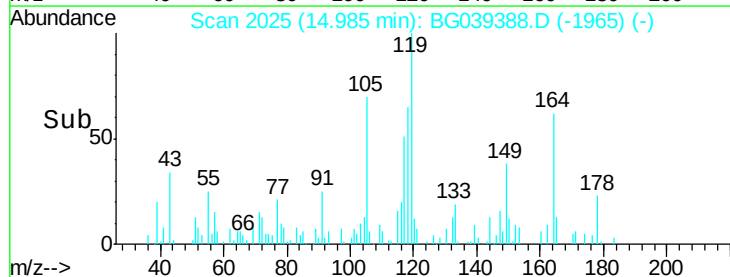
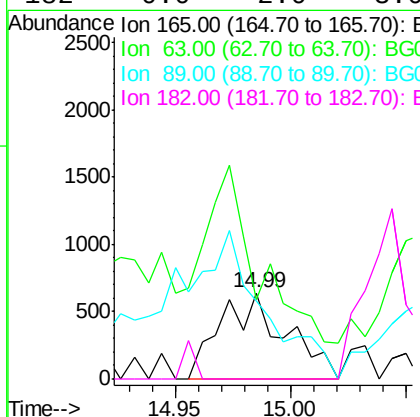
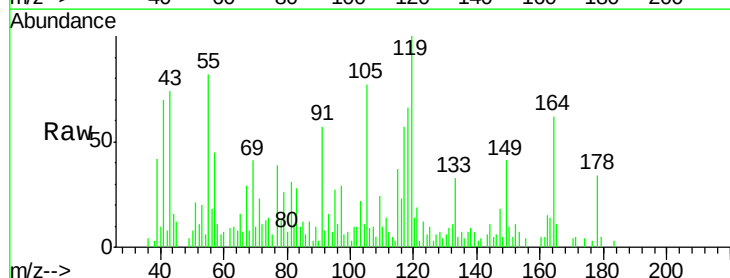
Instrument :
BNA_G
ClientSampled :
TW-1

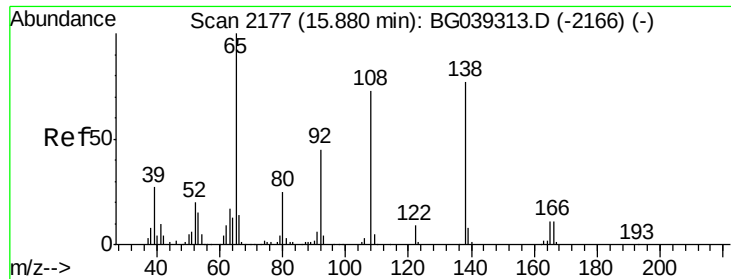
Tot Ion:139 Resp: 241
Ion Ratio Lower Upper
139 100
109 158.1 61.9 101.9#
65 130.1 99.1 139.1



#57
2,4-Dinitrotoluene
Concen: 8.19 ng
RT: 14.99 min Scan# 2025
Delta R.T. -0.18 min
Lab File: BG039388.D
Acq: 7 Feb 2019 18:59

Tgt Ion:165 Resp: 1260
Ion Ratio Lower Upper
165 100
63 92.3 41.0 61.6#
89 90.6 64.6 96.8
182 0.0 2.0 3.0#

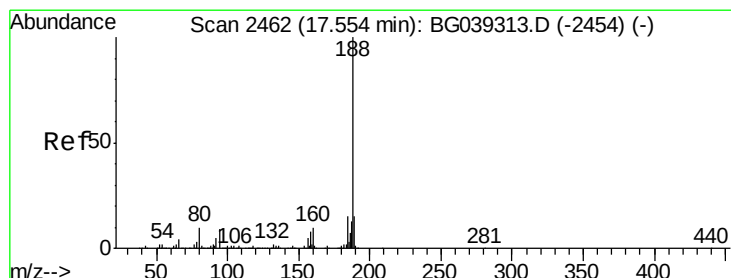
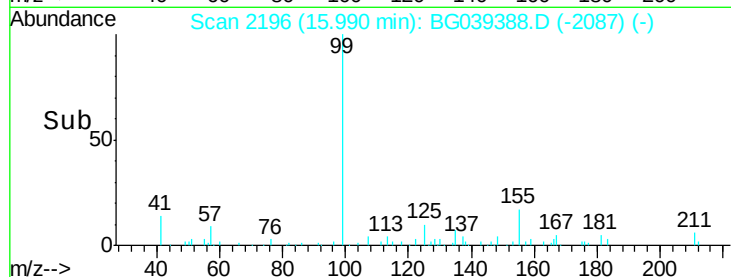
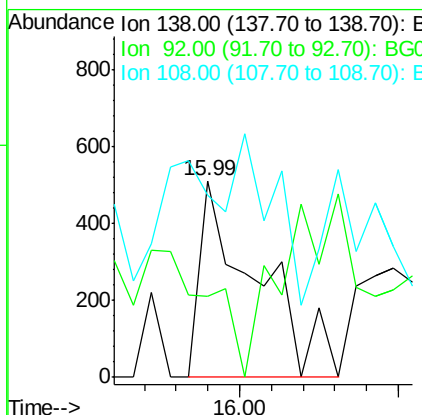
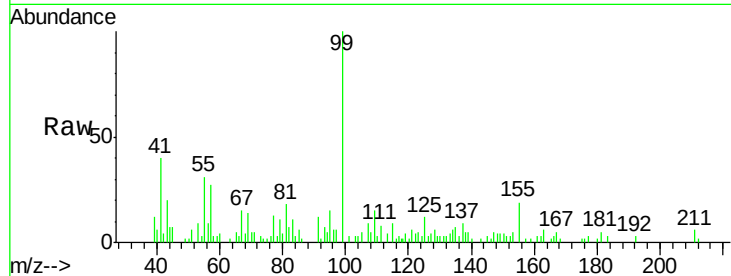




#62
4-Nitroaniline
Concen: 4.43 ng
RT: 15.99 min Scan# 2196
Delta R.T. 0.11 min
Lab File: BG039388.D
Acq: 7 Feb 2019 18:59

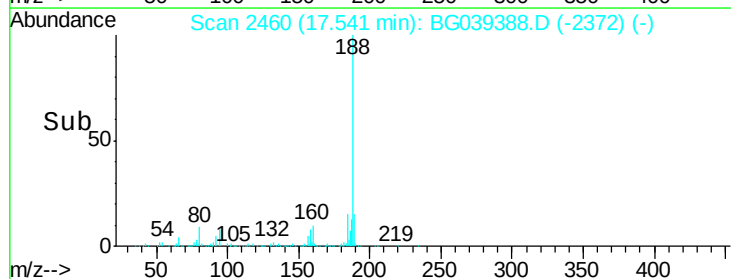
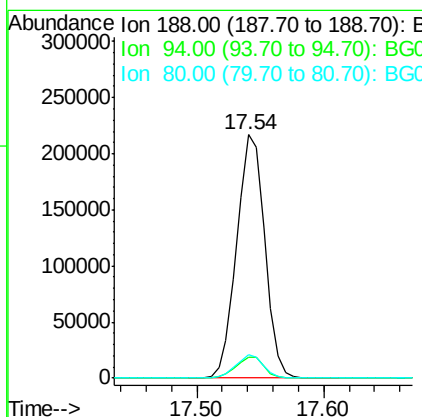
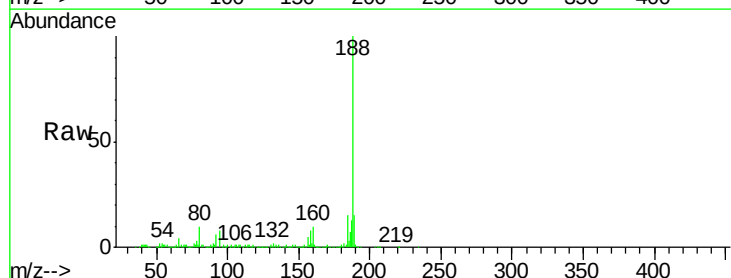
Instrument :
BNA_G
ClientSampled :
TW-1

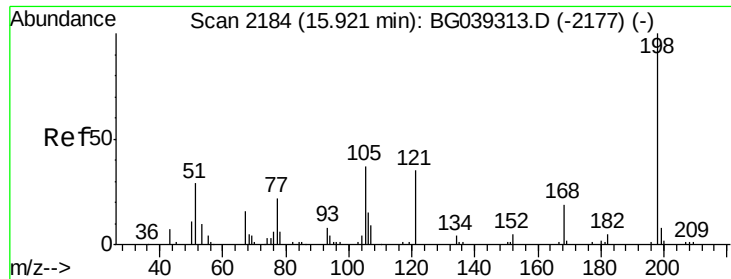
Tot Ion:138 Resp: 631
Ion Ratio Lower Upper
138 100
92 41.0 38.7 78.7
108 92.5 74.6 114.6



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.54 min Scan# 2460
Delta R.T. -0.01 min
Lab File: BG039388.D
Acq: 7 Feb 2019 18:59

Tgt Ion:188 Resp: 332242
Ion Ratio Lower Upper
188 100
94 8.3 6.9 10.3
80 9.6 8.1 12.1





#65

4,6-Dinitro-2-methylphenol

Concen: 4.22 ng

RT: 15.98 min Scan# 2194

Delta R.T. 0.06 min

Lab File: BG039388.D

Acq: 7 Feb 2019 18:59

Instrument :

BNA_G

ClientSampled :

TW-1

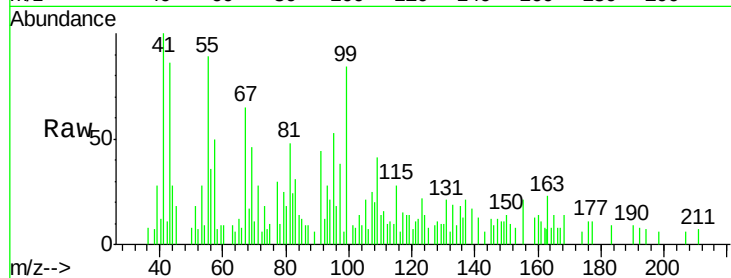
Tot Ion:198 Resp: 55

Ion Ratio Lower Upper

198 100

51 310.8 27.4 67.4#

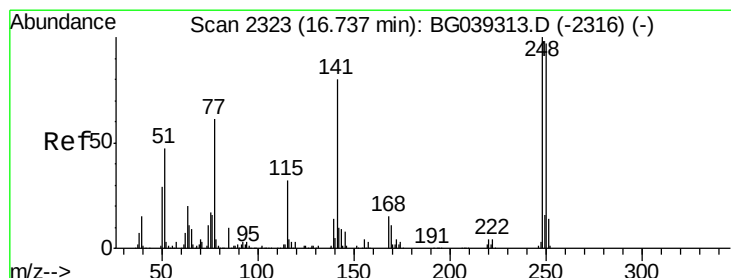
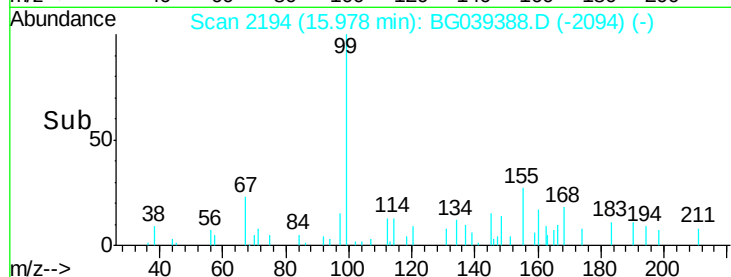
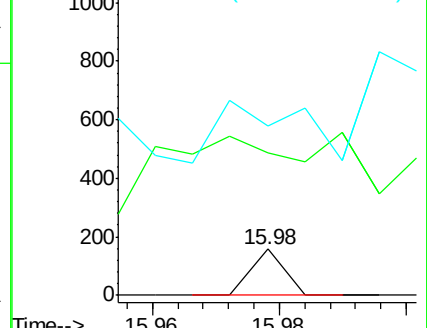
105 370.1 19.7 59.7#



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: 5.24 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.45 min

Lab File: BG039388.D

Acq: 7 Feb 2019 18:59

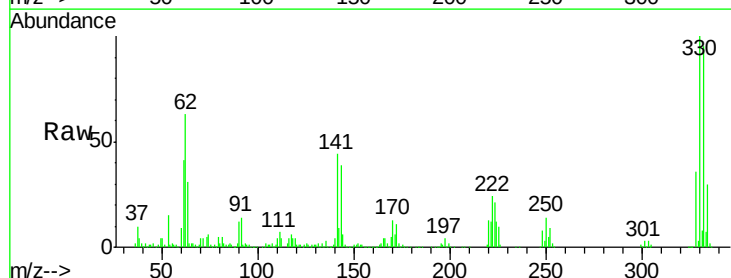
Tgt Ion:248 Resp: 19329

Ion Ratio Lower Upper

248 100

250 188.8 77.6 116.4#

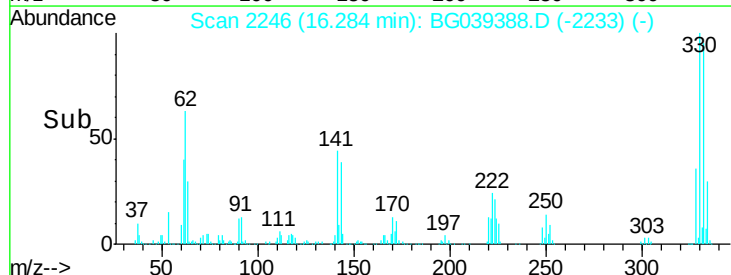
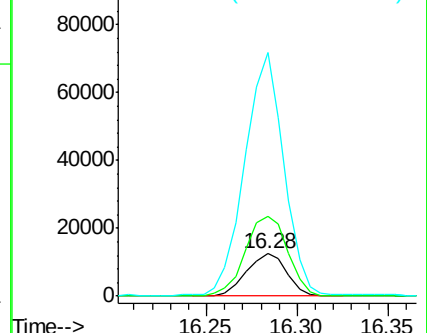
141 577.4 63.9 95.9#

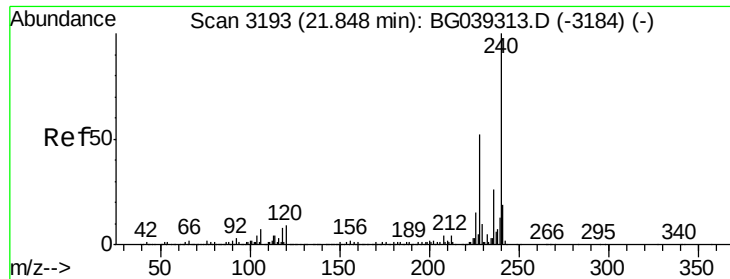


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

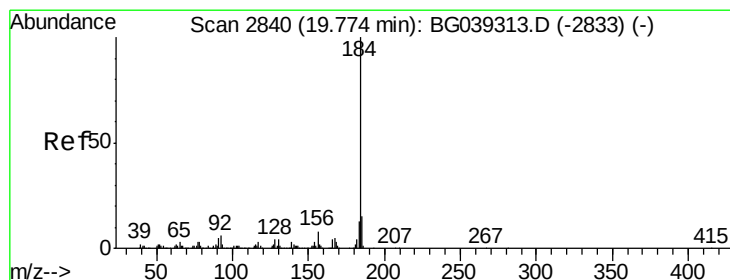
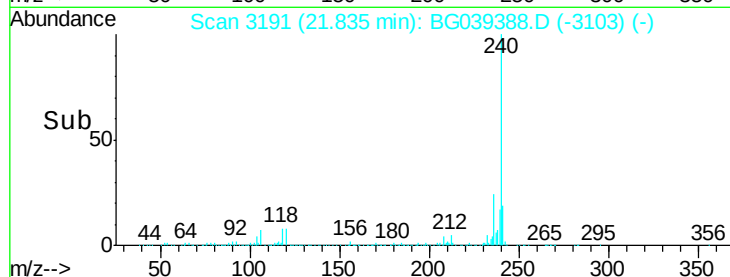
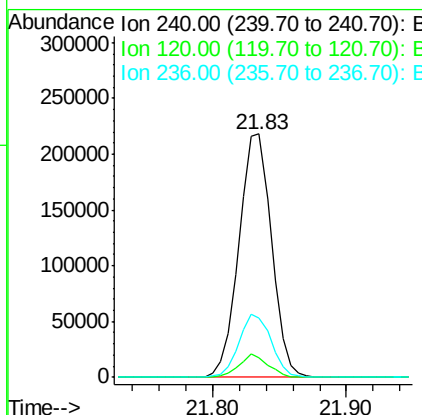
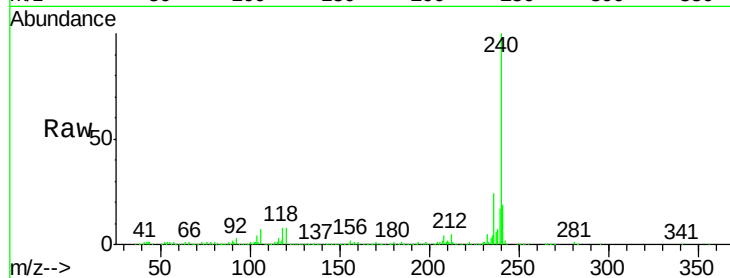




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.83 min Scan# 3191
Delta R.T. -0.01 min
Lab File: BG039388.D
Acq: 7 Feb 2019 18:59

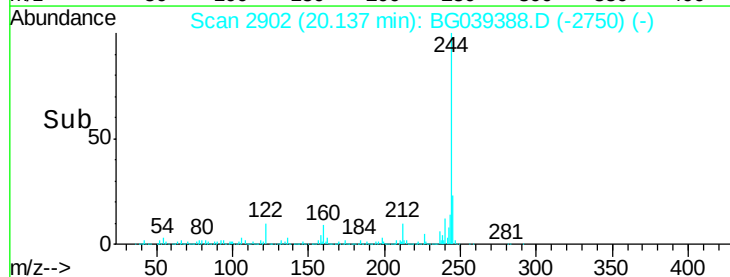
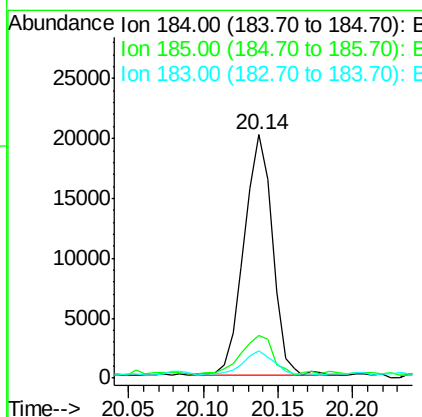
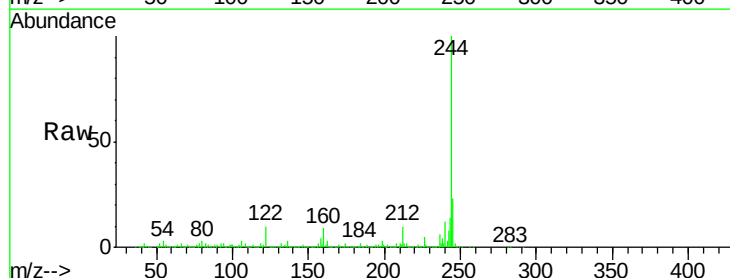
Instrument :
BNA_G
ClientSampleId :
TW-1

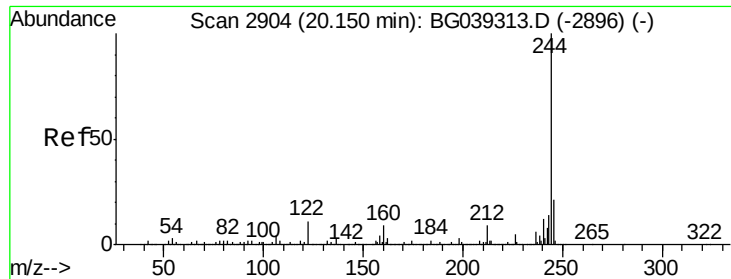
Tot Ion:240 Resp: 369033
Ion Ratio Lower Upper
240 100
120 8.2 7.0 10.6
236 24.2 21.0 31.4



#77
Benzidine
Concen: 2.19 ng
RT: 20.14 min Scan# 2902
Delta R.T. 0.36 min
Lab File: BG039388.D
Acq: 7 Feb 2019 18:59

Tgt Ion:184 Resp: 26514
Ion Ratio Lower Upper
184 100
185 17.6 12.2 18.2
183 11.1 10.6 15.8





#79

Terphenyl-d14

Concen: 83.18 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039388.D

Acq: 7 Feb 2019 18:59

Instrument :

BNA_G

ClientSampleId :

TW-1

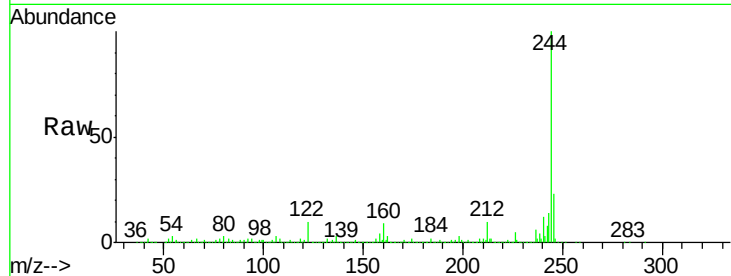
Tot Ion:244 Resp: 1450212

Ion Ratio Lower Upper

244 100

212 9.7 7.3 10.9

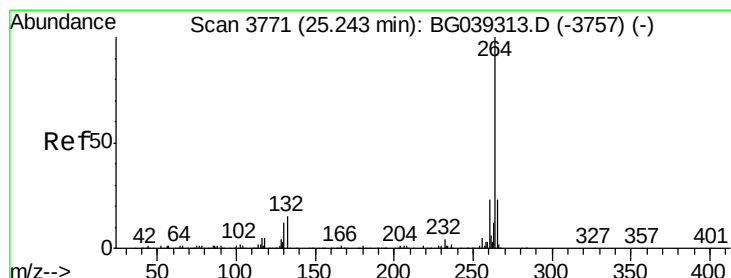
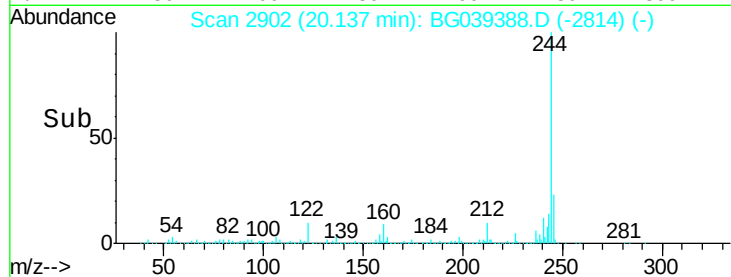
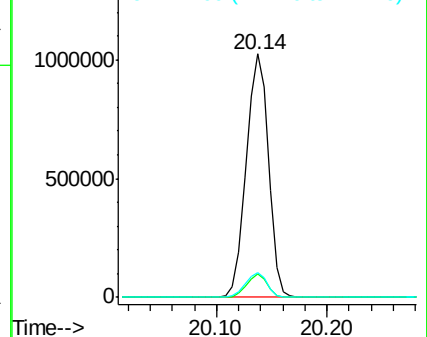
122 10.0 8.4 12.6



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: 20.00 ng

RT: 25.22 min Scan# 3767

Delta R.T. -0.02 min

Lab File: BG039388.D

Acq: 7 Feb 2019 18:59

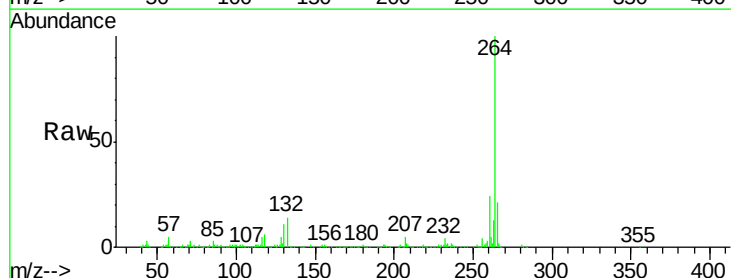
Tgt Ion:264 Resp: 384163

Ion Ratio Lower Upper

264 100

260 24.3 18.2 27.4

265 21.5 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

