

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021119\
 Data File : BG039456.D
 Acq On : 12 Feb 2019 8:32
 Operator : JU/SJ
 Sample : K1452-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 12 11:36:43 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

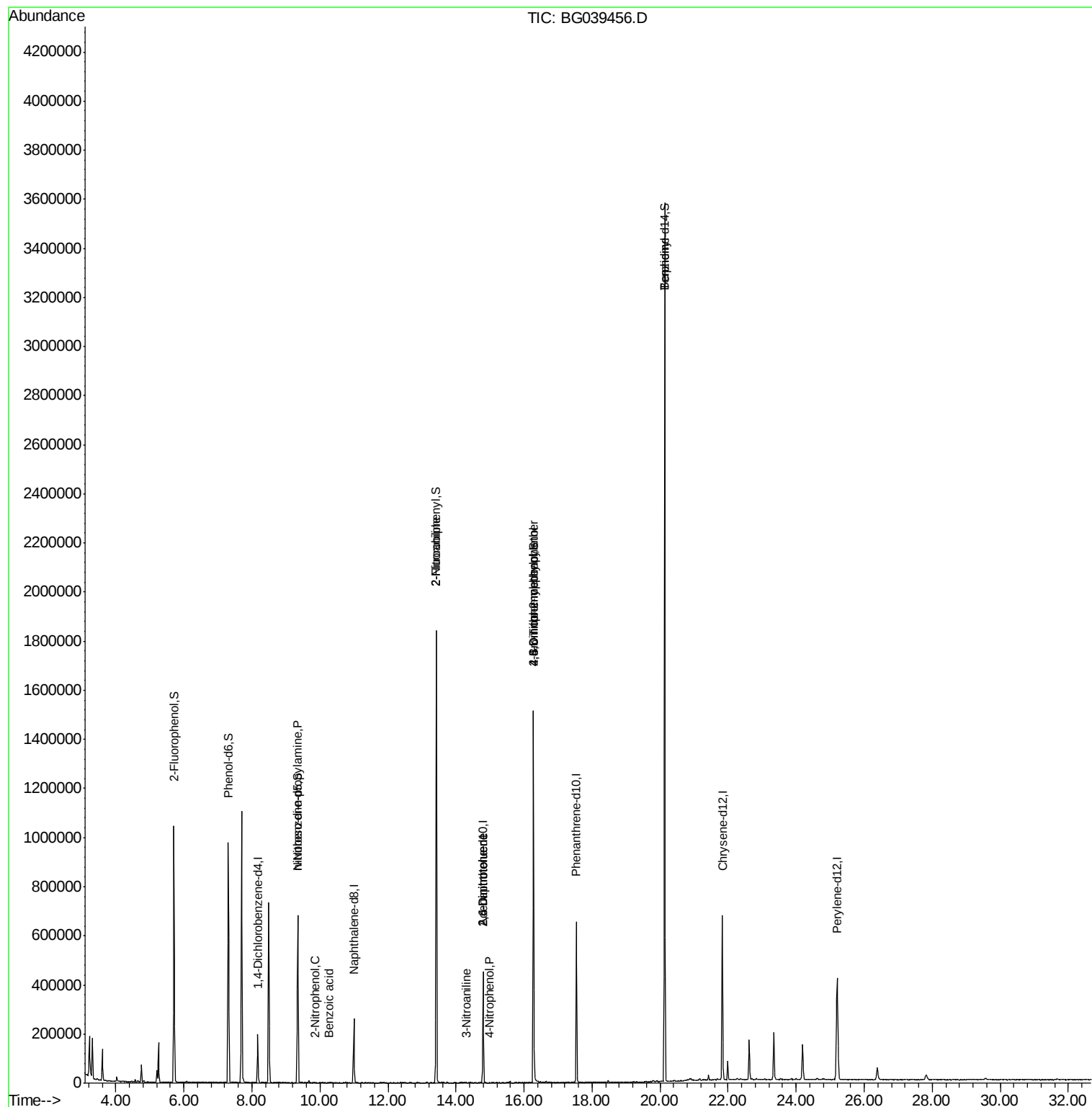
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	50915	20.00	ng	-0.01
21) Naphthalene-d8	11.00	136	226554	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	158585	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	401367	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	408906	20.00	ng	-0.02
87) Perylene-d12	25.21	264	407948	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	428982	144.20	ng	0.00
7) Phenol-d6	7.31	99	558652	127.58	ng	-0.01
23) Nitrobenzene-d5	9.35	82	401694	110.77	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	267854	156.85	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	964614	87.26	ng	-0.01
79) Terphenyl-d14	20.13	244	1646231	85.22	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.31	77	933	Below Cal	Qvalue #	4
19) n-Nitroso-di-n-propylamine	9.35	70	52234	16.806 ng	#	67
26) 2-Nitrophenol	9.86	139	60	4.051 ng	#	31
32) Benzoic acid	10.26	122	63	9.045 ng	#	55
48) 2-Nitroaniline	13.42	65	1281	8.668 ng	#	1
51) 2,6-Dinitrotoluene	14.79	165	20249	13.862 ng	#	24
53) 3-Nitroaniline	14.30	138	54	5.811 ng	#	1
56) 4-Nitrophenol	14.97	139	54	5.815 ng	#	1
57) 2,4-Dinitrotoluene	14.79	165	20249	13.353 ng	#	19
65) 4,6-Dinitro-2-methylphenol	16.28	198	1127	5.075 ng	#	21
67) 4-Bromophenyl-phenylether	16.28	248	22410	5.033 ng	#	1
77) Benzidine	20.13	184	29455	2.197 ng	#	90

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

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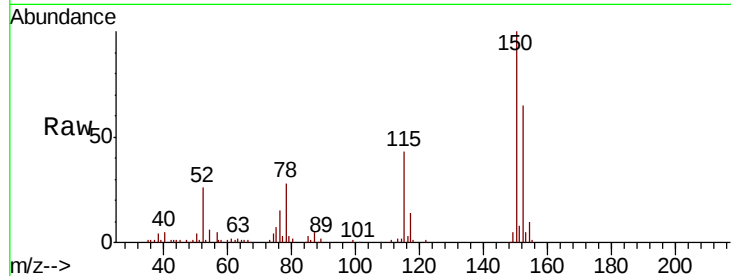


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039456.D
Acq: 12 Feb 2019 8:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	123.7	185.5
115	65.7	45.9	68.9

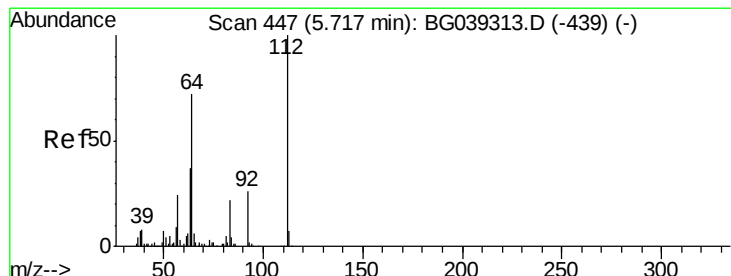
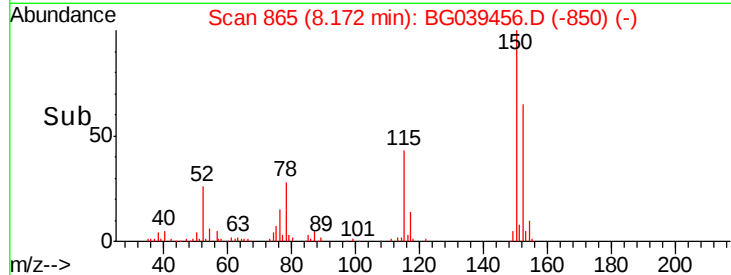
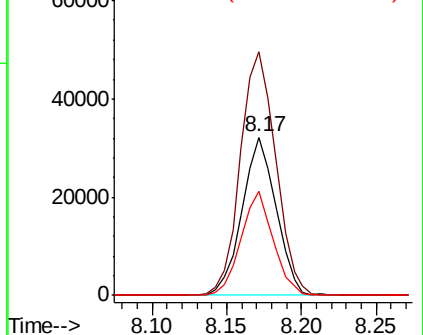


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

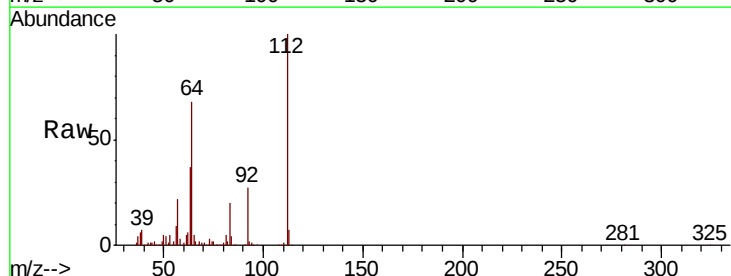
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 144.202 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039456.D
Acq: 12 Feb 2019 8:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.0	57.8	86.8
63	37.3	29.8	44.6

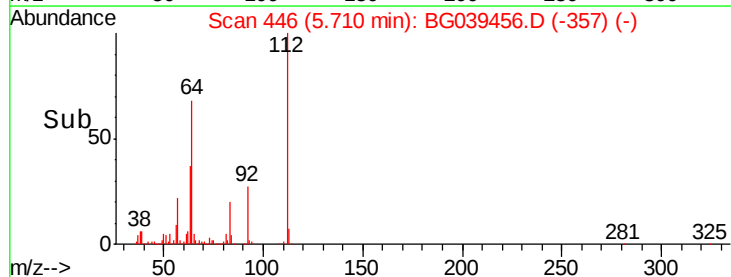
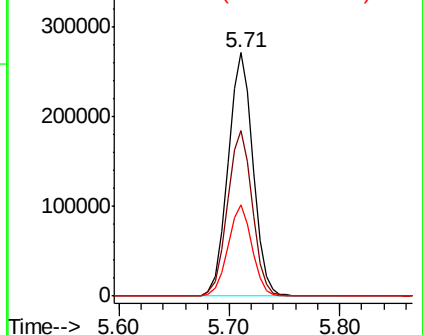


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 127.578 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039456.D

Acq: 12 Feb 2019 8:32

Instrument :

BNA_G

ClientSampled :

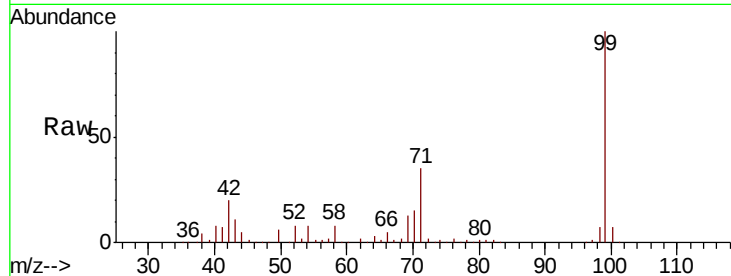
Tot Ion: 99 Resp: 558652

Ion Ratio Lower Upper

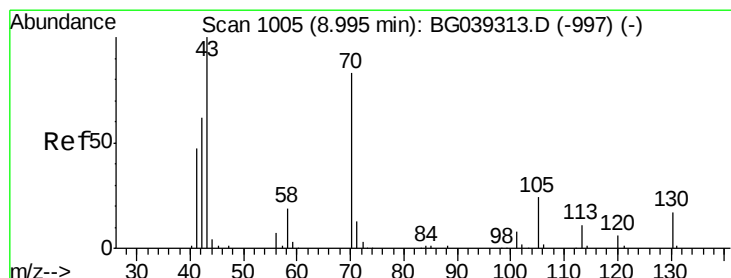
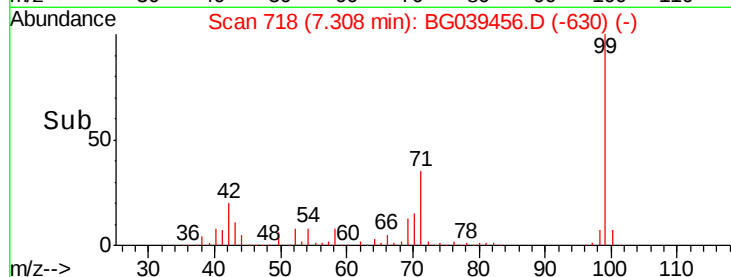
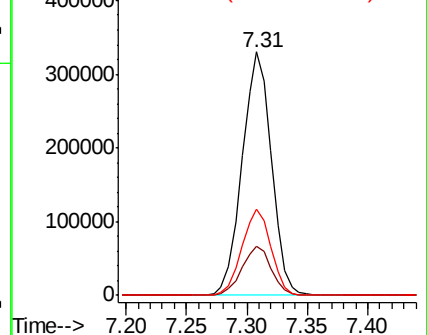
99 100

42 20.0 18.2 27.2

71 35.3 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: 16.806 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039456.D

Acq: 12 Feb 2019 8:32

Tgt Ion: 70 Resp: 52234

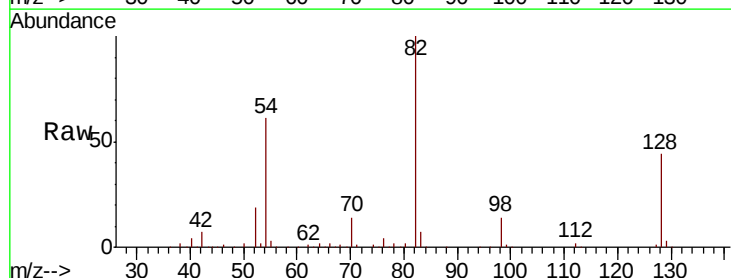
Ion Ratio Lower Upper

70 100

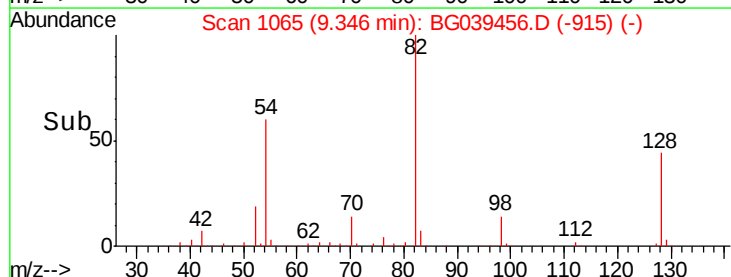
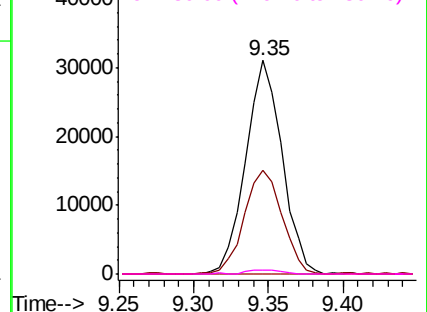
42 48.8 60.4 90.6#

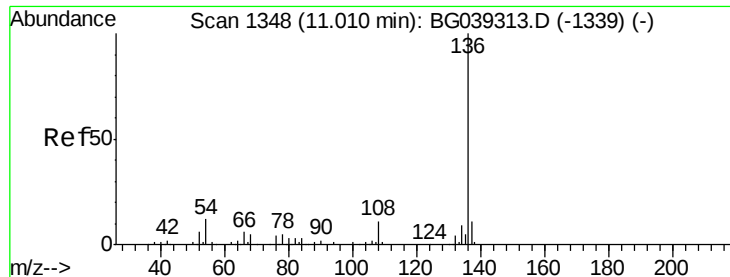
101 0.0 7.5 11.3#

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

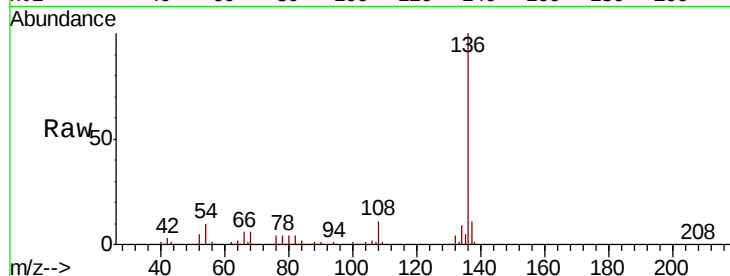




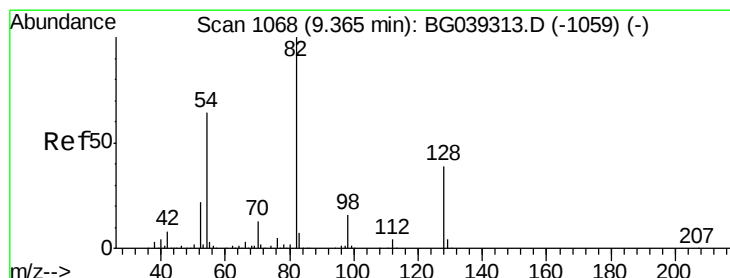
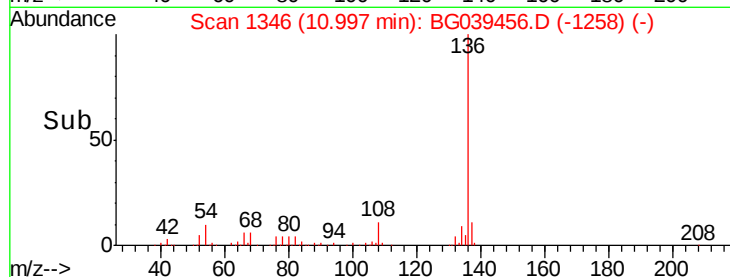
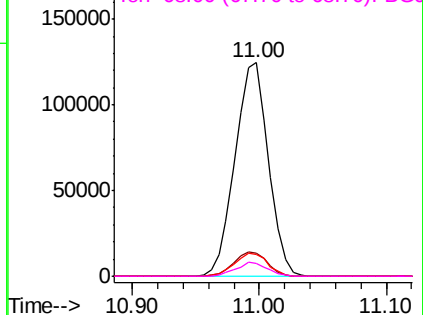
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039456.D
Acq: 12 Feb 2019 8:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	226554
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.1 13.7
54	10.4	9.4 14.2
68	6.1	4.2 6.4

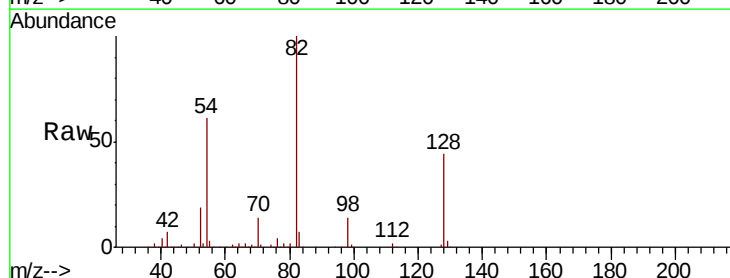


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

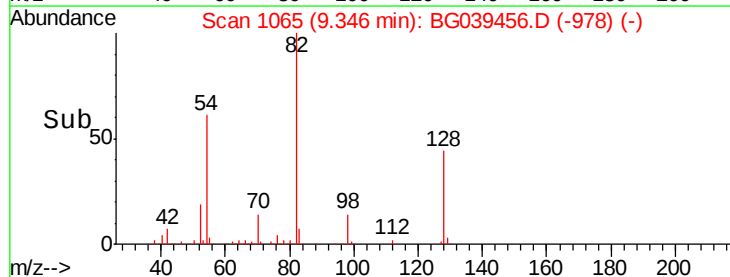
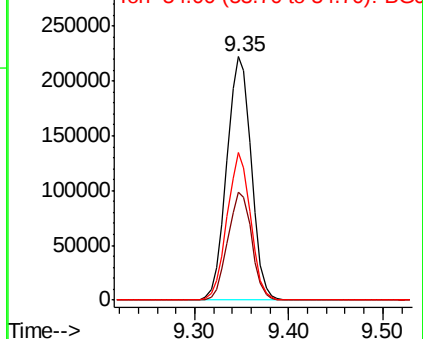


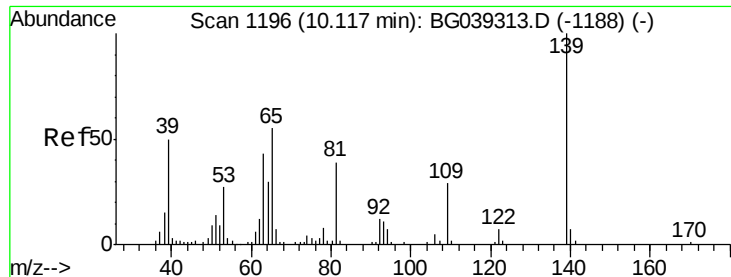
#23
Nitrobenzene-d5
Concen: 110.766 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039456.D
Acq: 12 Feb 2019 8:32

Tgt Ion: 82	Resp:	401694
Ion Ratio	Lower	Upper
82	100	
128	44.2	31.3 46.9
54	60.6	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

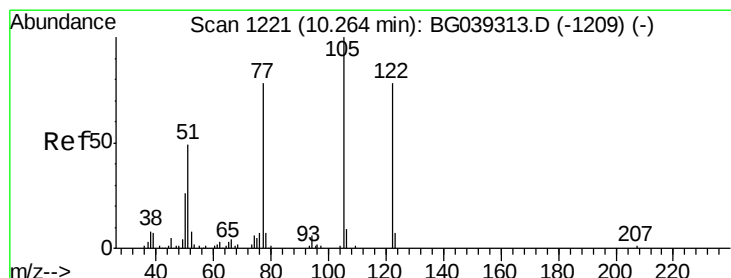
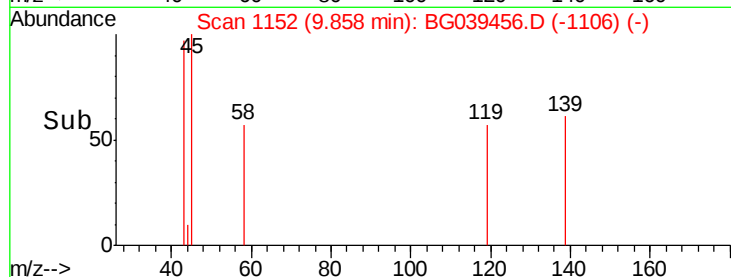
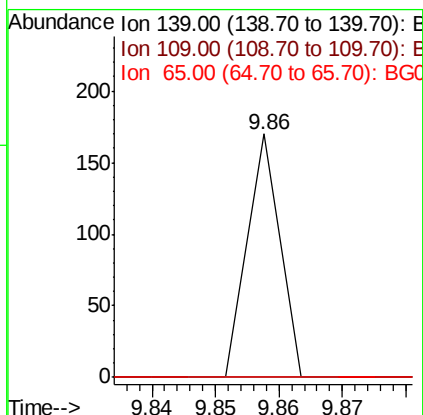
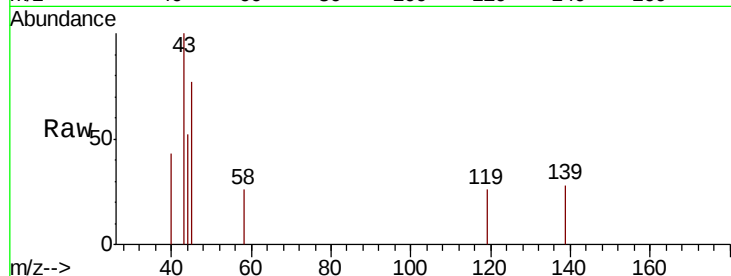




#26
2-Nitrophenol
Concen: 4.051 ng
RT: 9.86 min Scan# 1152
Delta R.T. -0.26 min
Lab File: BG039456.D
Acq: 12 Feb 2019 8:32

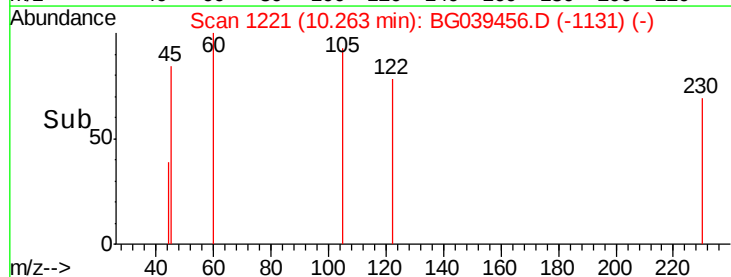
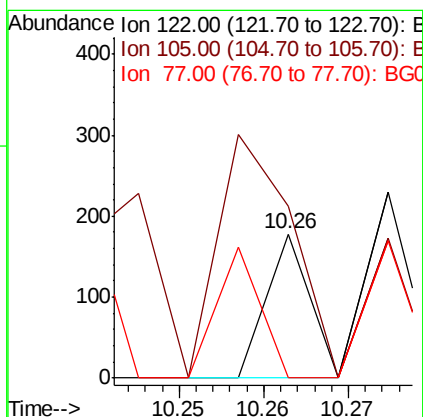
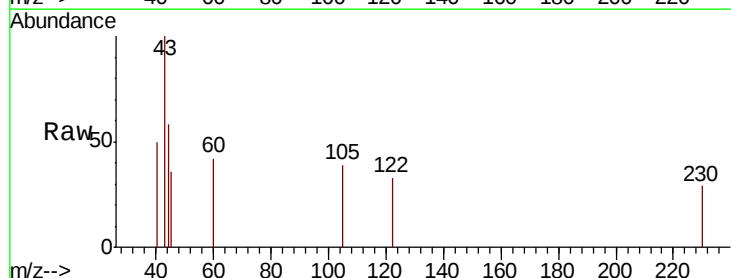
Instrument :
BNA_G
ClientSampleId :

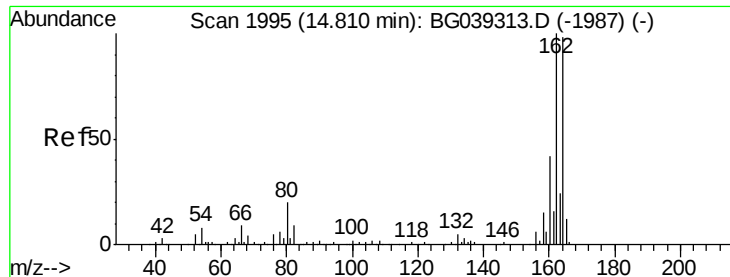
Tot Ion:139 Resp: 60
Ion Ratio Lower Upper
139 100
109 0.0 23.4 35.0#
65 0.0 44.3 66.5#



#32
Benzoic acid
Concen: 9.045 ng
RT: 10.26 min Scan# 1221
Delta R.T. -0.00 min
Lab File: BG039456.D
Acq: 12 Feb 2019 8:32

Tgt Ion:122 Resp: 63
Ion Ratio Lower Upper
122 100
105 119.1 101.8 141.8
77 0.0 76.3 116.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039456.D

Acq: 12 Feb 2019 8:32

Instrument :

BNA_G

ClientSampleId :

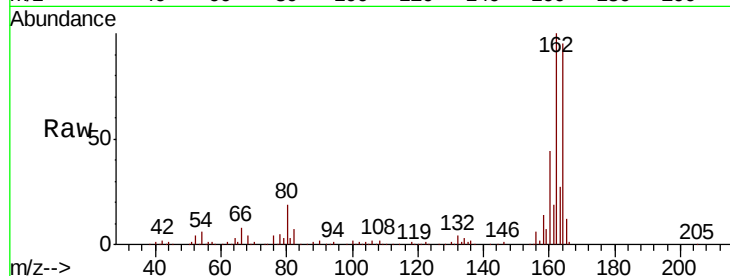
Tot Ion:164 Resp: 158585

Ion Ratio Lower Upper

164 100

162 105.4 81.6 122.4

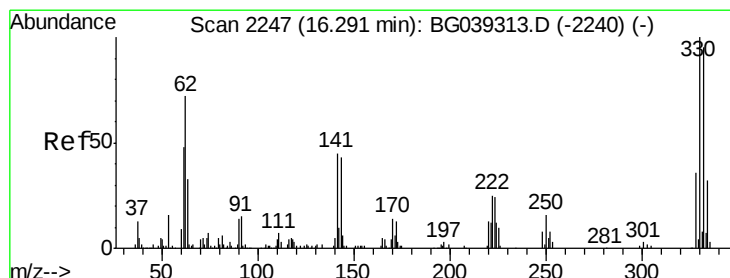
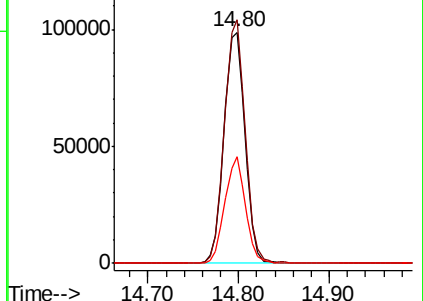
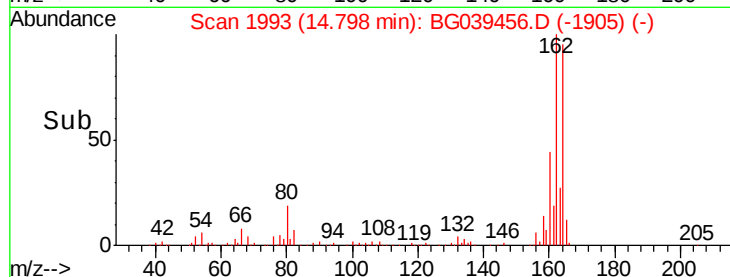
160 46.0 34.2 51.2



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: 156.852 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039456.D

Acq: 12 Feb 2019 8:32

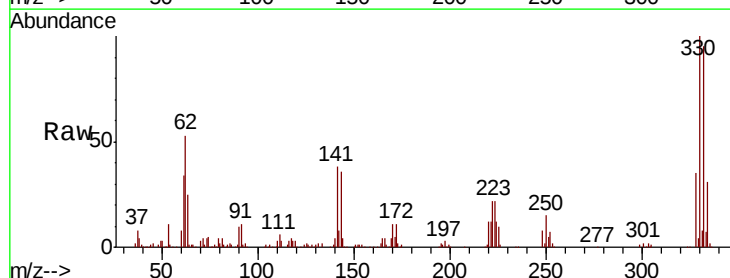
Tgt Ion:330 Resp: 267854

Ion Ratio Lower Upper

330 100

332 95.7 75.7 113.5

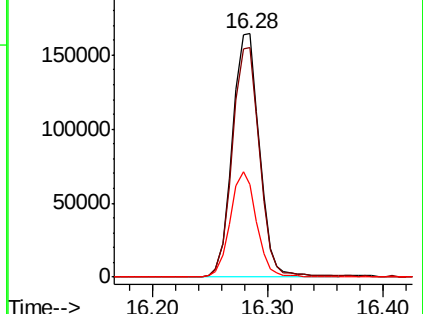
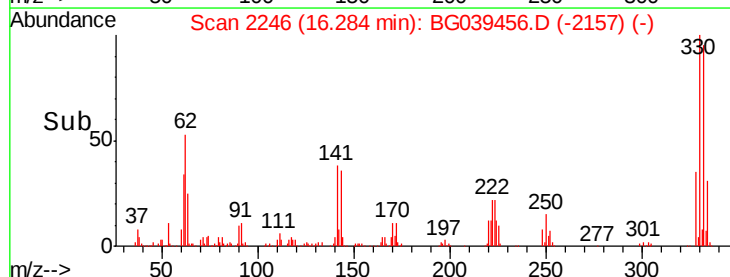
141 41.6 35.6 53.4

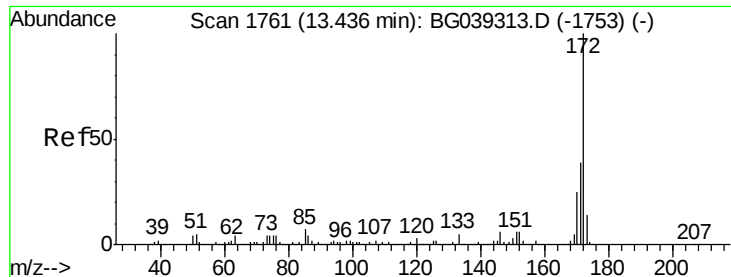


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

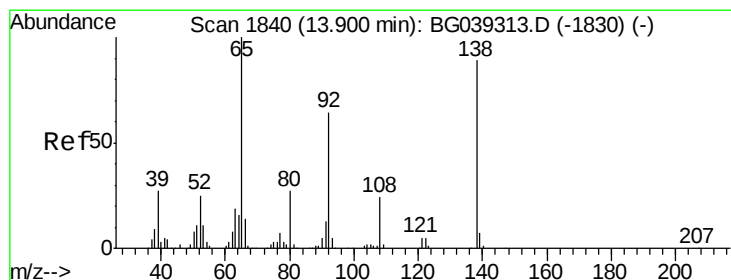
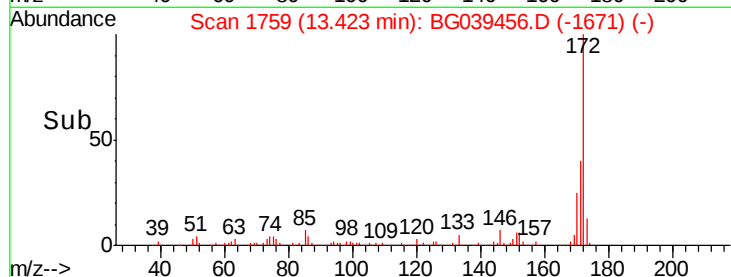
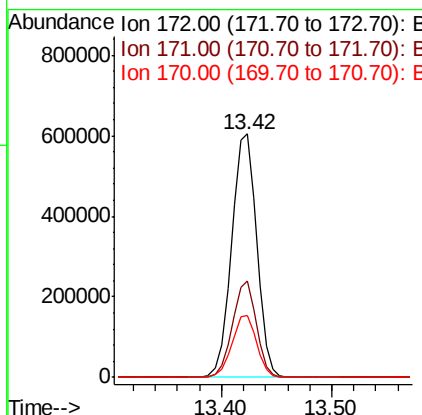
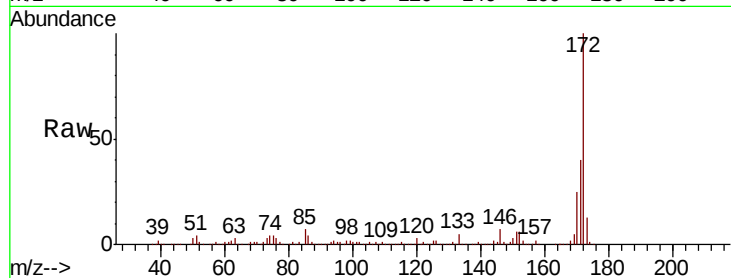




#45
2-Fluorobiphenyl
Concen: 87.258 ng
RT: 13.42 min Scan# 1759
Delta R.T. -0.01 min
Lab File: BG039456.D
Acq: 12 Feb 2019 8:32

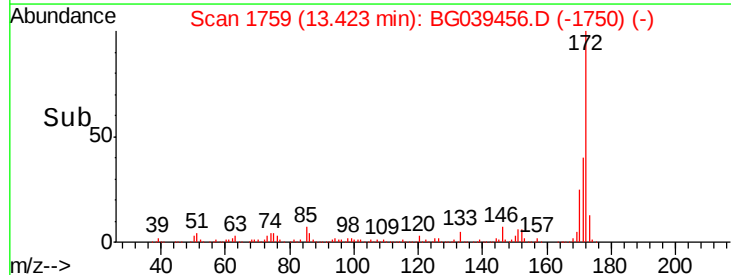
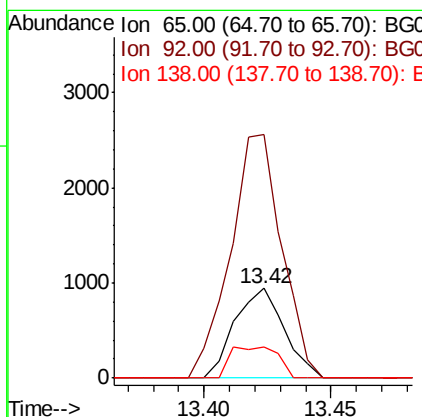
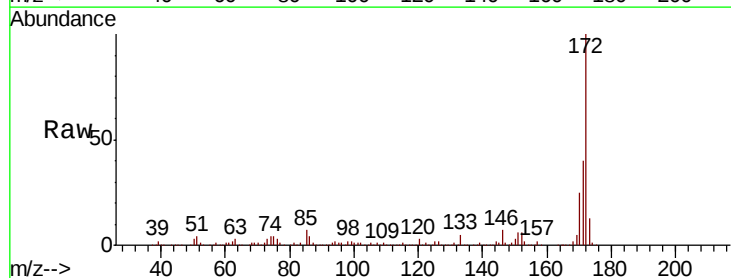
Instrument :
BNA_G
ClientSampleId :

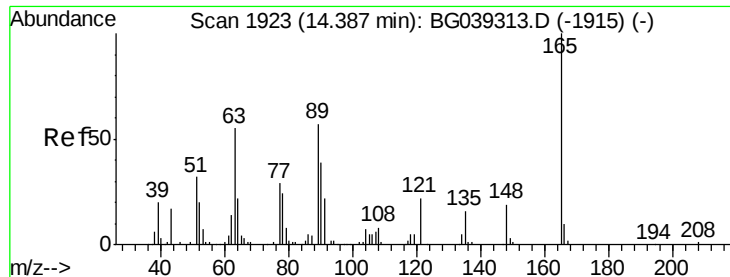
Tot Ion:172 Resp: 964614
Ion Ratio Lower Upper
172 100
171 39.7 30.8 46.2
170 25.4 20.2 30.4



#48
2-Nitroaniline
Concen: 8.668 ng
RT: 13.42 min Scan# 1759
Delta R.T. -0.48 min
Lab File: BG039456.D
Acq: 12 Feb 2019 8:32

Tgt Ion: 65 Resp: 1281
Ion Ratio Lower Upper
65 100
92 271.5 51.4 77.2#
138 35.3 71.4 107.2#





#51

2,6-Dinitrotoluene

Concen: 13.862 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.41 min

Lab File: BG039456.D

Acq: 12 Feb 2019 8:32

Instrument :

BNA_G

ClientSampleId :

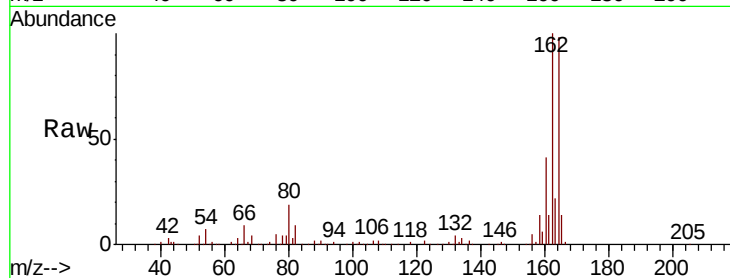
Tot Ion:165 Resp: 20249

Ion Ratio Lower Upper

165 100

63 1.8 47.0 70.6#

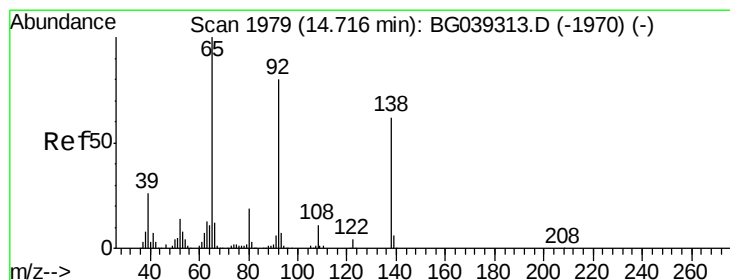
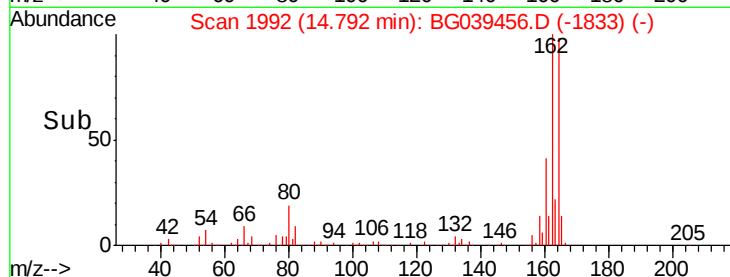
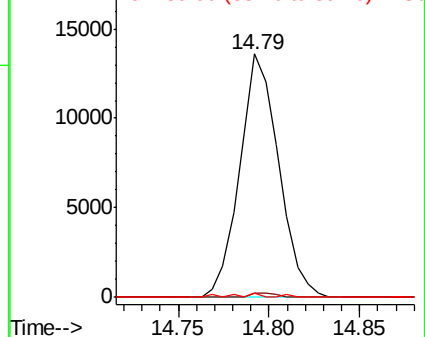
89 1.6 45.8 68.8#



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: 5.811 ng

RT: 14.30 min Scan# 1908

Delta R.T. -0.42 min

Lab File: BG039456.D

Acq: 12 Feb 2019 8:32

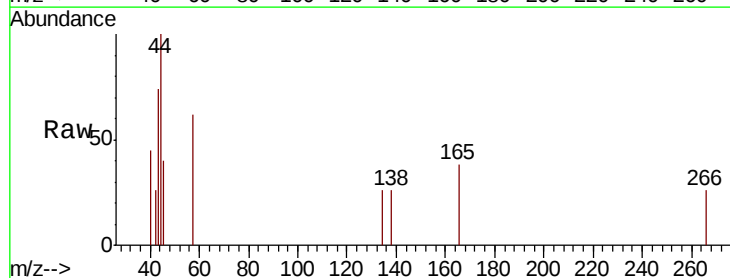
Tgt Ion:138 Resp: 54

Ion Ratio Lower Upper

138 100

108 0.0 13.8 20.8#

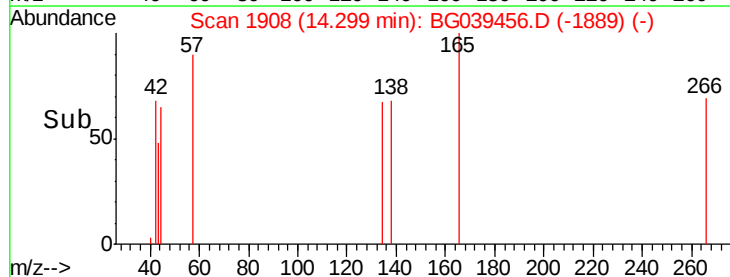
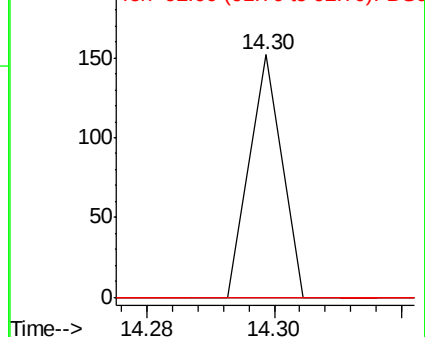
92 0.0 103.7 155.5#

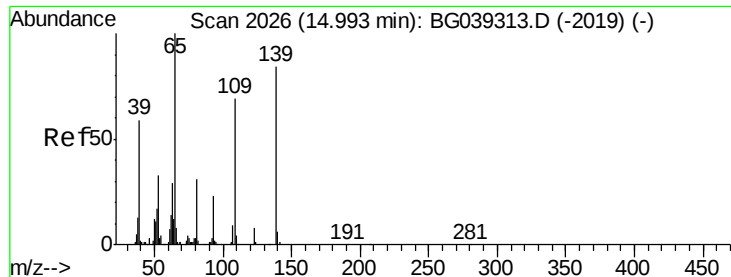


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC





#56

4-Nitrophenol

Concen: 5.815 ng

RT: 14.97 min Scan# 2023

Delta R.T. -0.02 min

Lab File: BG039456.D

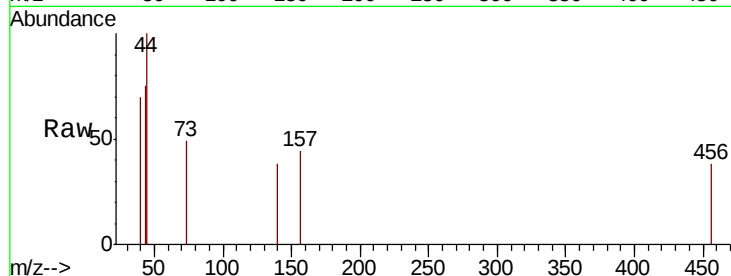
Acq: 12 Feb 2019 8:32

Instrument :

BNA_G

ClientSampleId :

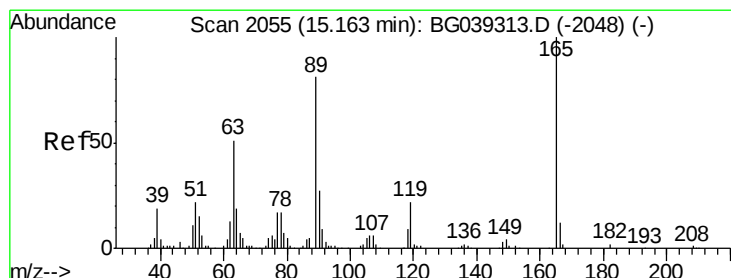
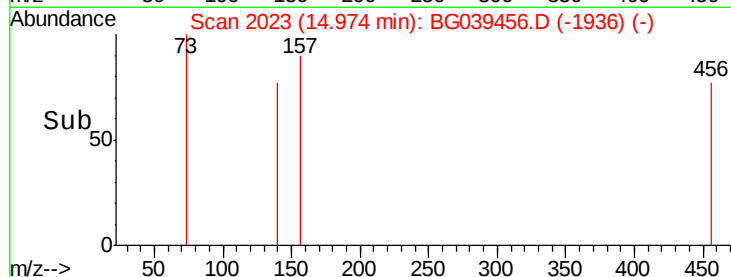
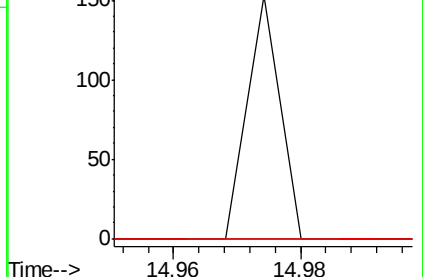
Tot Ion:	139	Resp:	54
Ion	Ratio	Lower	Upper
139	100		
109	0.0	61.9	101.9#
65	0.0	99.1	139.1#



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: 13.353 ng

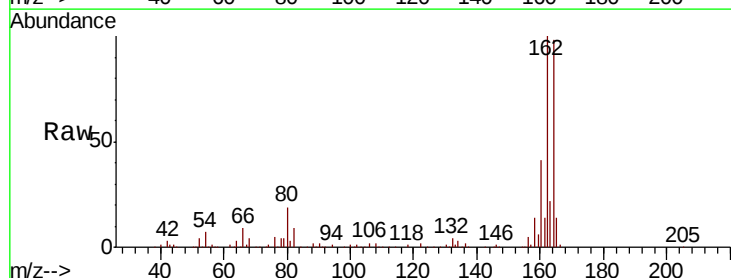
RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039456.D

Acq: 12 Feb 2019 8:32

Tgt Ion:	165	Resp:	20249
Ion	Ratio	Lower	Upper
165	100		
63	1.8	41.0	61.6#
89	1.6	64.6	96.8#
182	0.0	2.0	3.0#

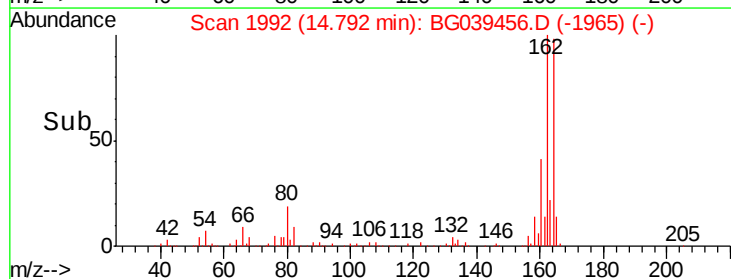
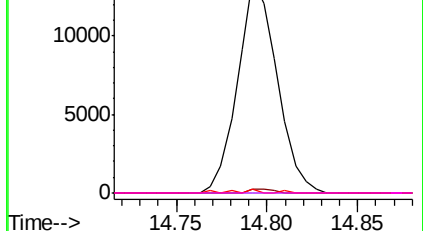


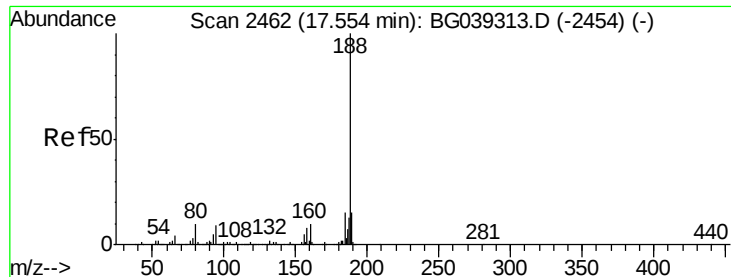
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039456.D

Acq: 12 Feb 2019 8:32

Instrument :

BNA_G

ClientSampleId :

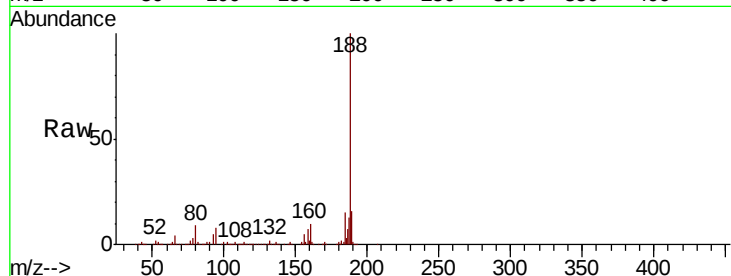
Tot Ion:188 Resp: 401367

Ion Ratio Lower Upper

188 100

94 7.7 6.9 10.3

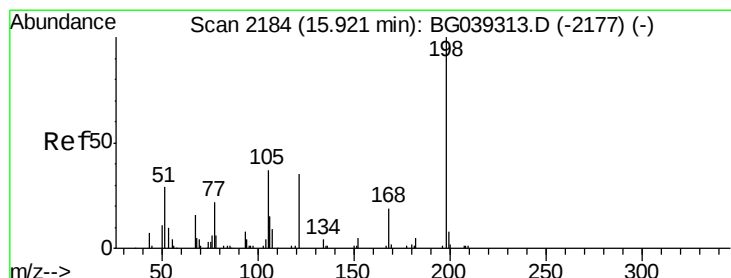
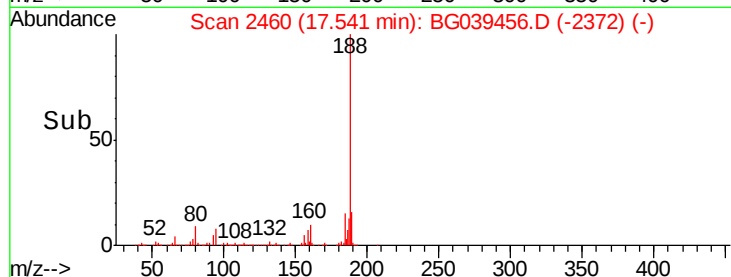
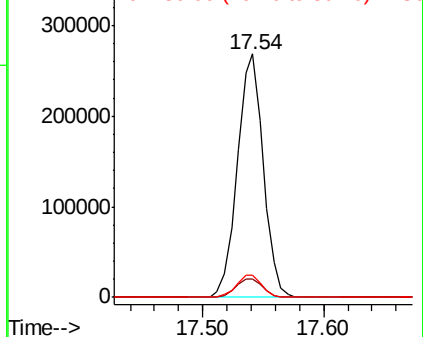
80 9.1 8.1 12.1



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: 5.075 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039456.D

Acq: 12 Feb 2019 8:32

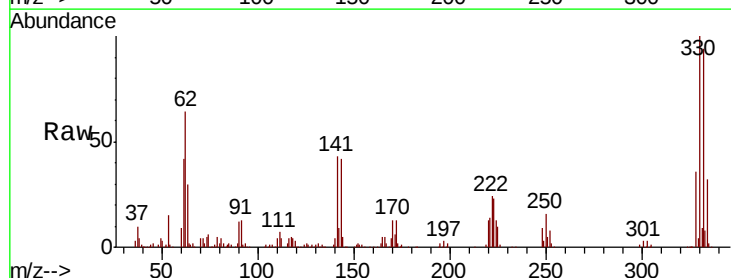
Tgt Ion:198 Resp: 1127

Ion Ratio Lower Upper

198 100

51 88.0 27.4 67.4#

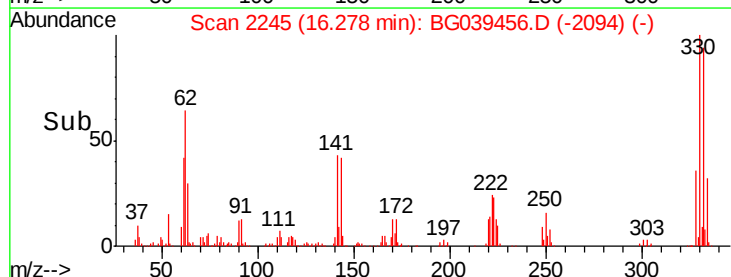
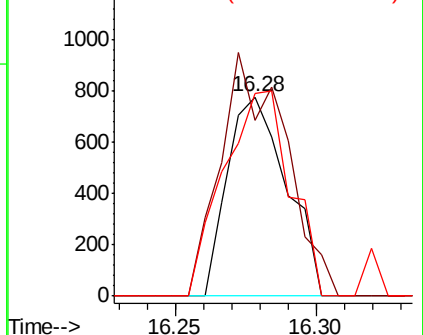
105 101.8 19.7 59.7#

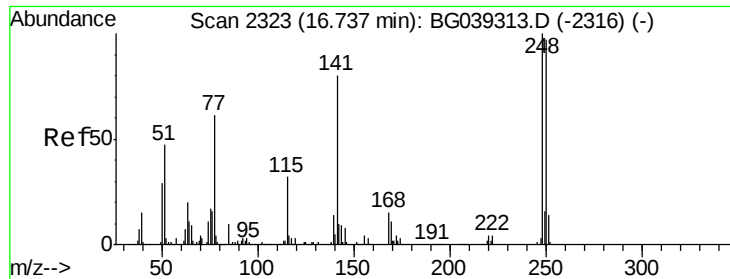


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

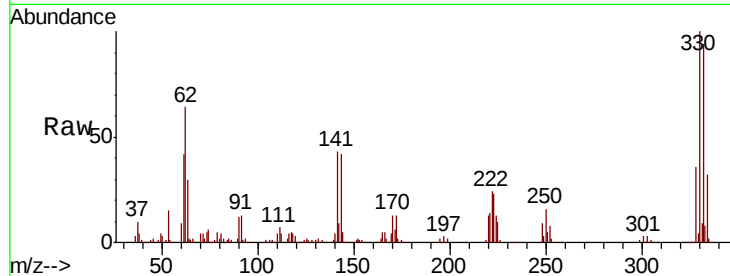




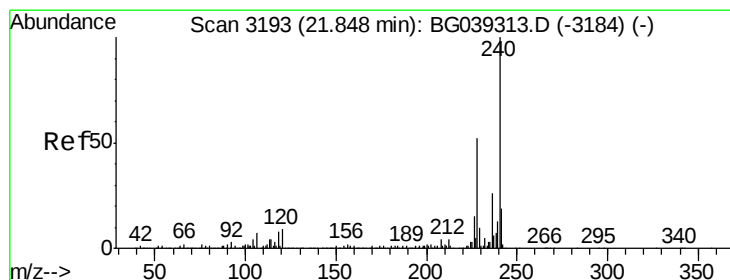
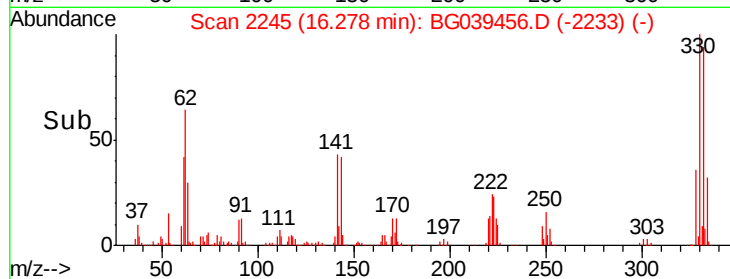
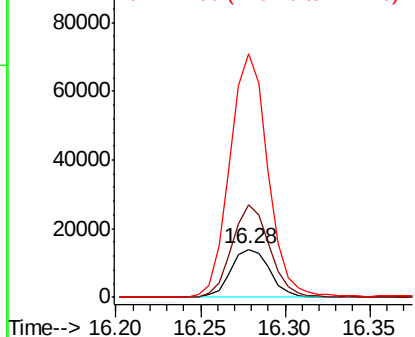
#67
 4-Bromophenyl-phenylether
 Concen: 5.033 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039456.D
 Acq: 12 Feb 2019 8:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 22410
 Ion Ratio Lower Upper
 248 100
 250 192.2 77.6 116.4#
 141 507.1 63.9 95.9#

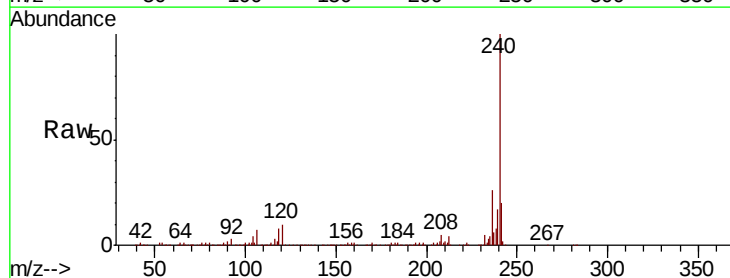


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

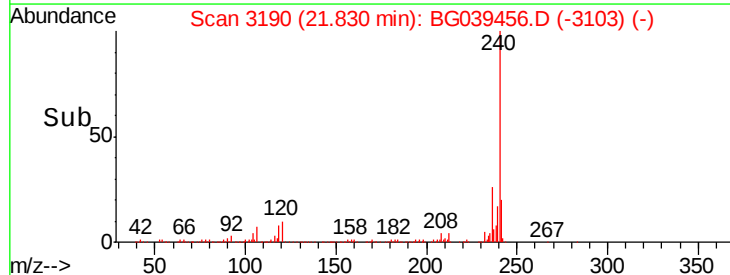
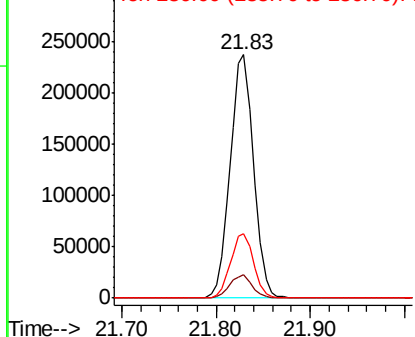


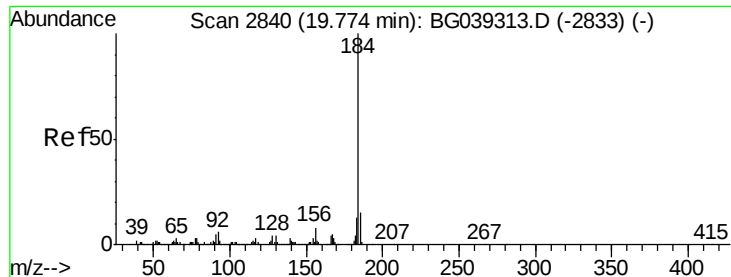
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3190
 Delta R.T. -0.02 min
 Lab File: BG039456.D
 Acq: 12 Feb 2019 8:32

Tgt Ion:240 Resp: 408906
 Ion Ratio Lower Upper
 240 100
 120 9.7 7.0 10.6
 236 26.5 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: 2.197 ng

RT: 20.13 min Scan# 2901

Delta R.T. 0.36 min

Lab File: BG039456.D

Acq: 12 Feb 2019 8:32

Instrument :

BNA_G

ClientSampleId :

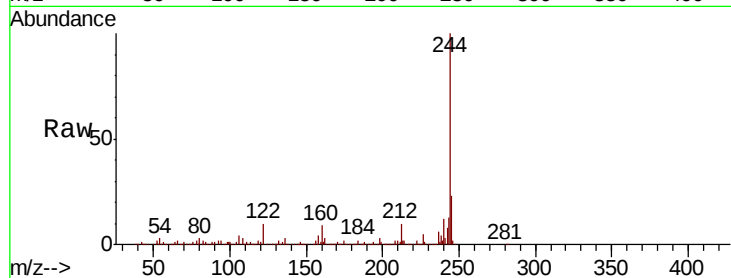
Tot Ion:184 Resp: 29455

Ion Ratio Lower Upper

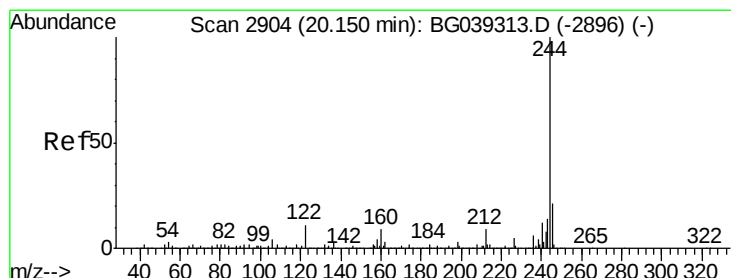
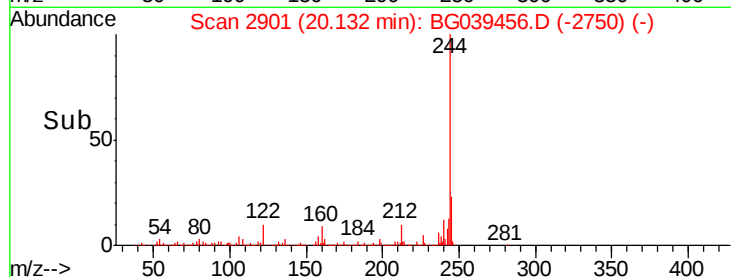
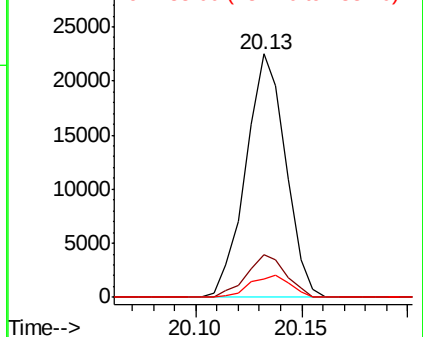
184 100

185 17.4 12.2 18.2

183 7.3 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: 85.217 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039456.D

Acq: 12 Feb 2019 8:32

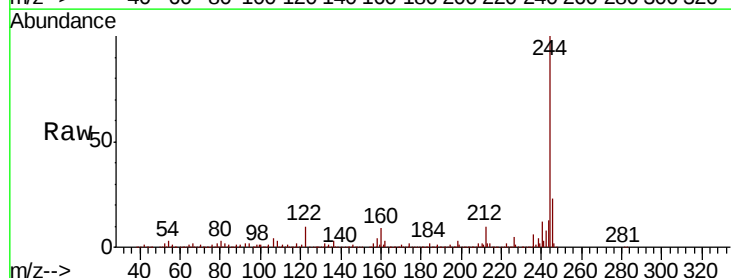
Tgt Ion:244 Resp: 1646231

Ion Ratio Lower Upper

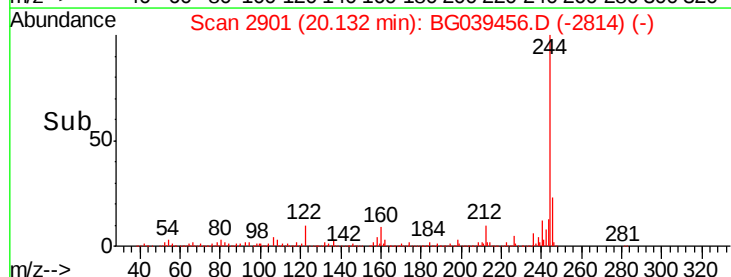
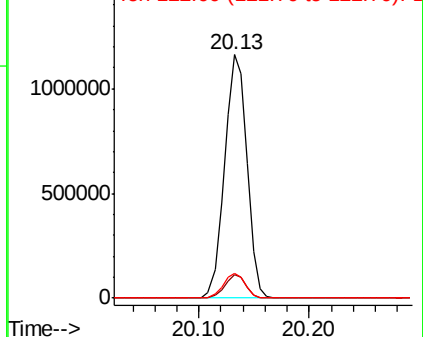
244 100

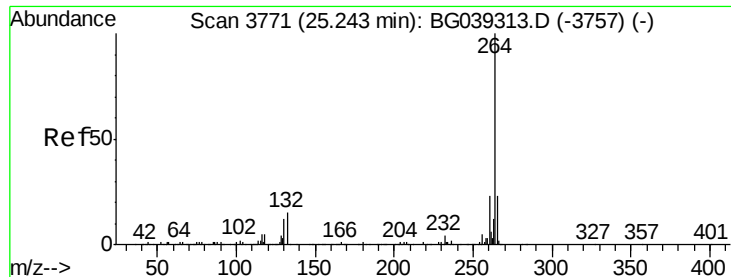
212 9.6 7.3 10.9

122 10.4 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
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.21 min Scan# 3766
 Delta R.T. -0.03 min
 Lab File: BG039456.D
 Acq: 12 Feb 2019 8:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.2	27.4
265	21.4	18.5	27.7

