

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022719\
 Data File : BG039654.D
 Acq On : 28 Feb 2019 4:33
 Operator : JU/SJ
 Sample : K1353-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-022619-B

Quant Time: Feb 28 07:15:04 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	52660	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	242085	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	169085	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	412773	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	372620	20.00	ng	-0.02
87) Perylene-d12	25.20	264	365020	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	407702	132.51	ng	0.00
7) Phenol-d6	7.31	99	544740	120.28	ng	0.00
23) Nitrobenzene-d5	9.35	82	407152	105.07	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	234857	128.99	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	985374	83.60	ng	-0.02
79) Terphenyl-d14	20.13	244	1463991	83.16	ng	-0.02

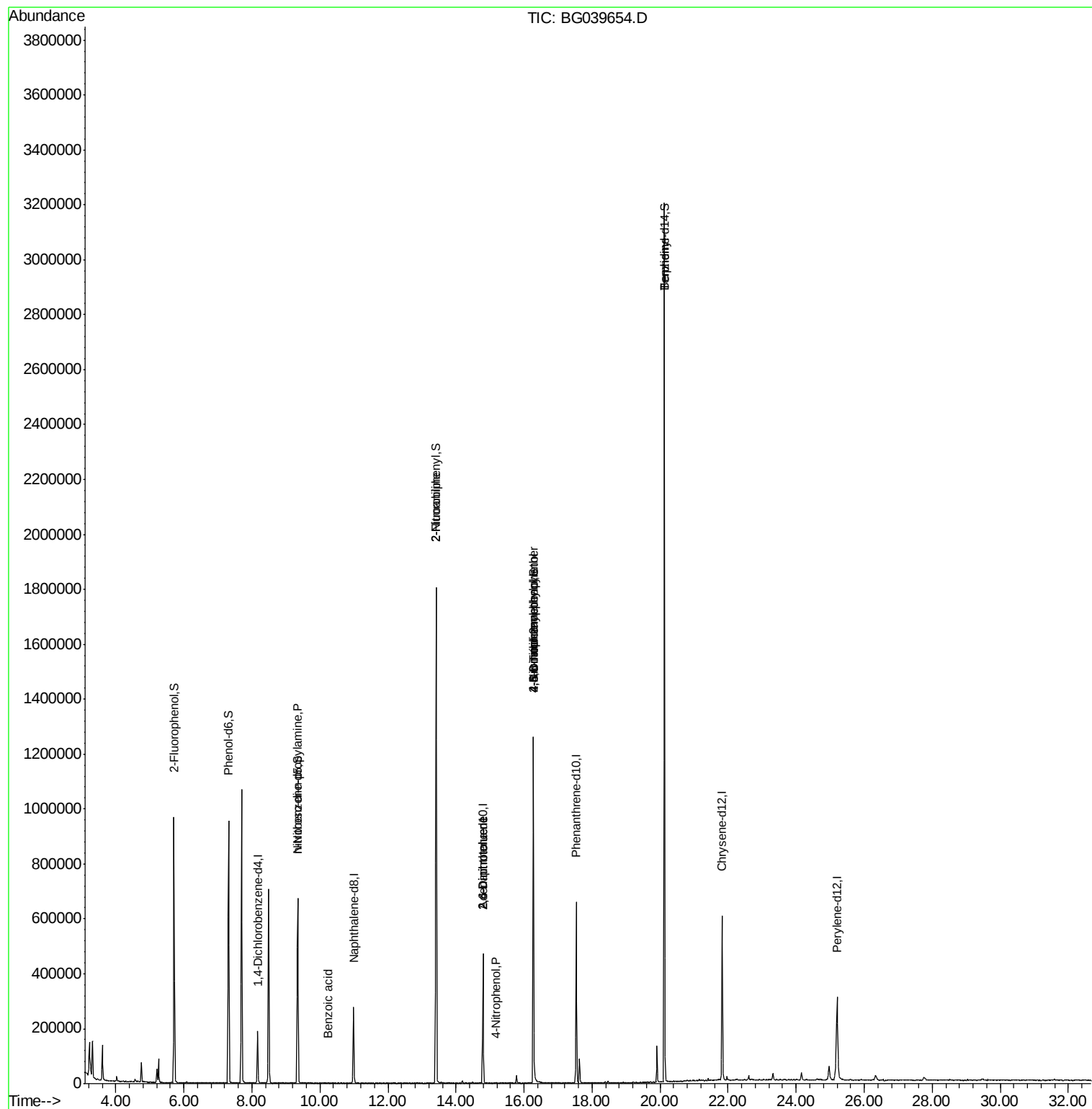
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	823	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	52956	16.474	ng	# 67
32) Benzoic acid	10.23	122	62	9.043	ng	# 1
48) 2-Nitroaniline	13.41	65	1481	8.699	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	22073	14.026	ng	# 23
56) 4-Nitrophenol	15.19	139	58	5.816	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	22073	13.476	ng	# 18
62) 4-Nitroaniline	16.28	138	54	4.220	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.27	198	842	4.829	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	17932	3.916	ng	# 1
77) Benzidine	20.13	184	25326	2.073	ng	# 94

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

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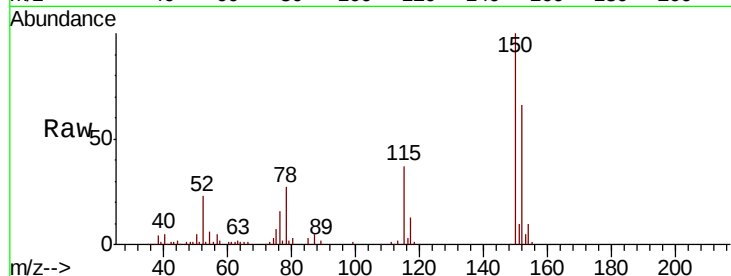


#1

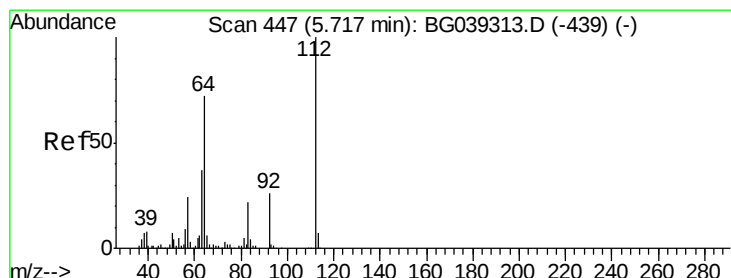
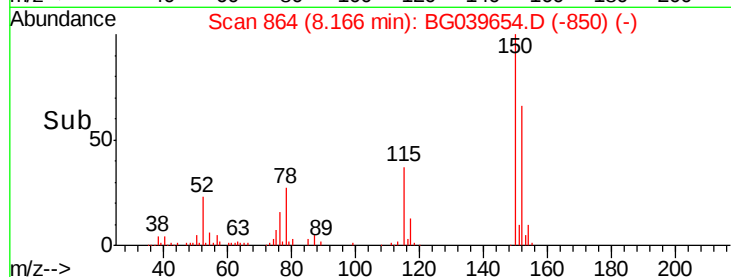
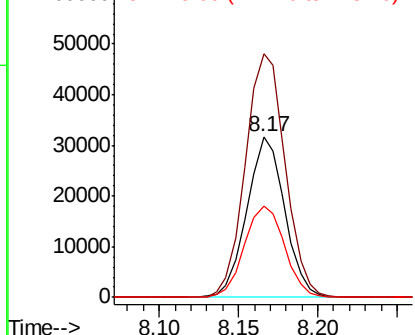
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 864
Delta R.T. -0.02 min
Lab File: BG039654.D
Acq: 28 Feb 2019 4:33

Instrument :
BNA_G
ClientSampleId :
PL-02-022619-B

Tgt Ion:152 Resp: 52660
Ion Ratio Lower Upper
152 100
150 151.5 123.7 185.5
115 56.7 45.9 68.9



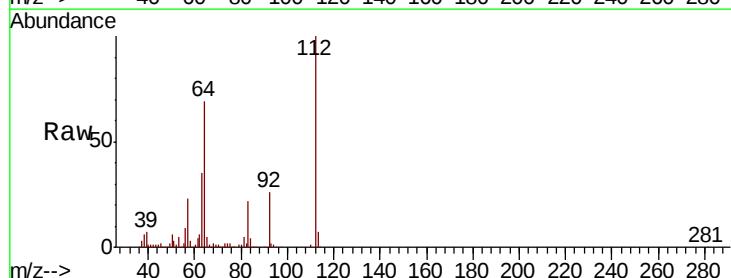
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



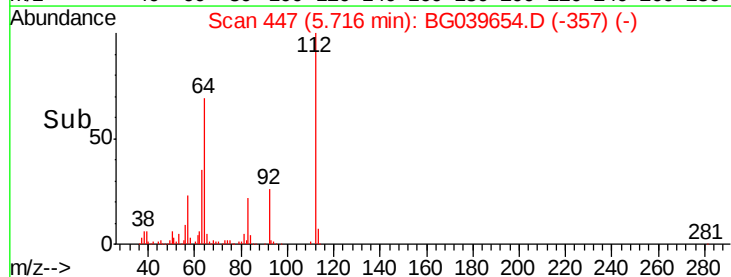
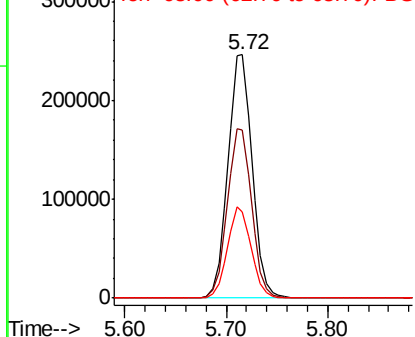
#5

2-Fluorophenol
Concen: 132.508 ng
RT: 5.72 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039654.D
Acq: 28 Feb 2019 4:33

Tgt Ion:112 Resp: 407702
Ion Ratio Lower Upper
112 100
64 68.8 57.8 86.8
63 35.3 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 120.278 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039654.D

Acq: 28 Feb 2019 4:33

Instrument :

BNA_G

ClientSampleId :

PL-02-022619-B

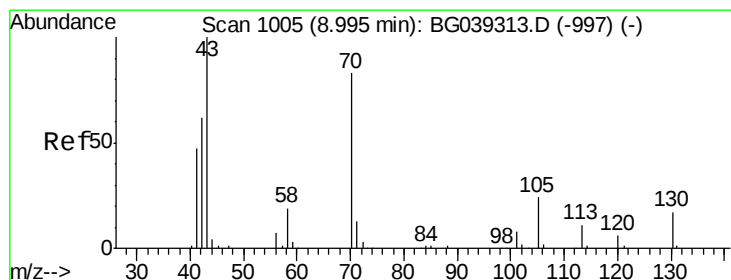
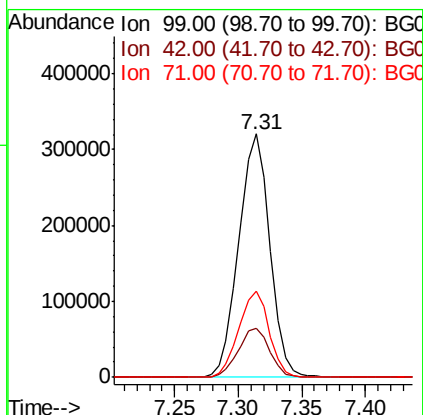
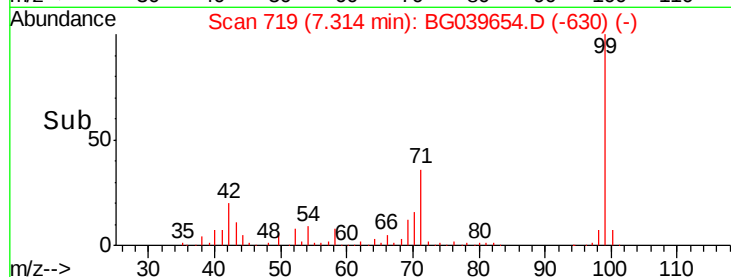
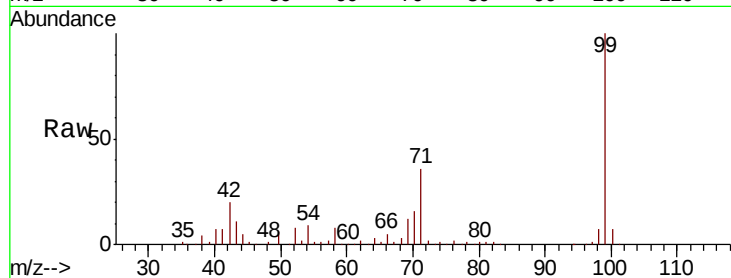
Tgt Ion: 99 Resp: 544740

Ion Ratio Lower Upper

99 100

42 20.4 18.2 27.2

71 35.6 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.474 ng

RT: 9.34 min Scan# 1064

Delta R.T. 0.35 min

Lab File: BG039654.D

Acq: 28 Feb 2019 4:33

Tgt Ion: 70 Resp: 52956

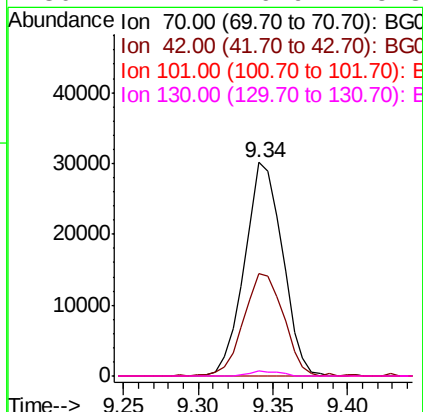
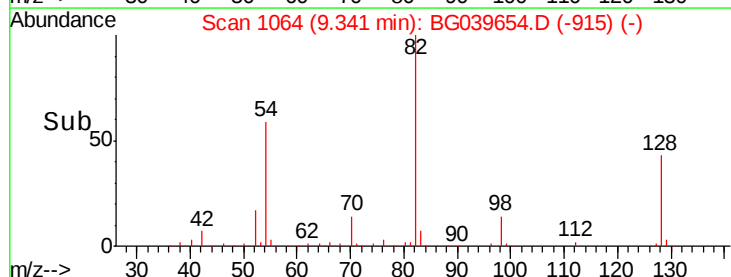
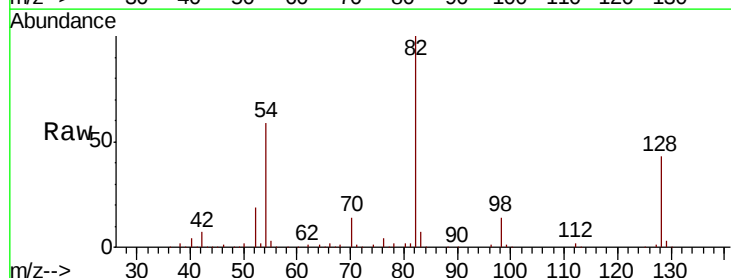
Ion Ratio Lower Upper

70 100

42 48.2 60.4 90.6#

101 0.0 7.5 11.3#

130 2.2 16.9 25.3#

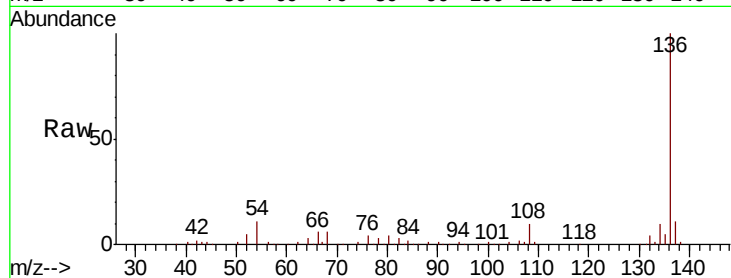




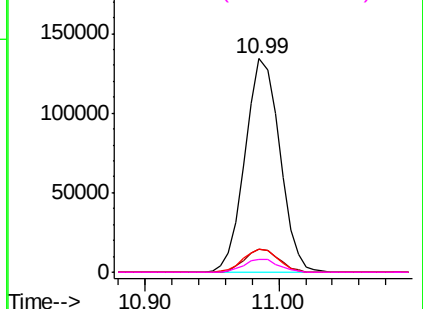
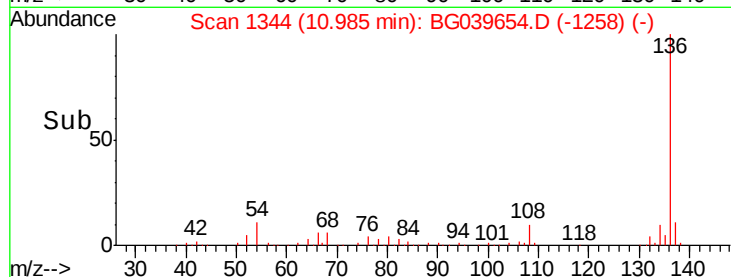
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1344
Delta R.T. -0.02 min
Lab File: BG039654.D
Acq: 28 Feb 2019 4:33

Instrument :
BNA_G
ClientSampleId :
PL-02-022619-B

Tgt Ion:	136	Resp:	242085
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	10.7	9.4	14.2
68	5.9	4.2	6.4

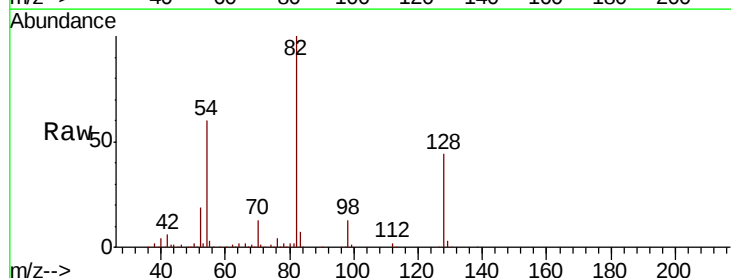


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

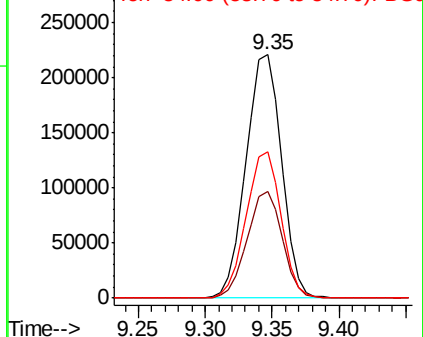
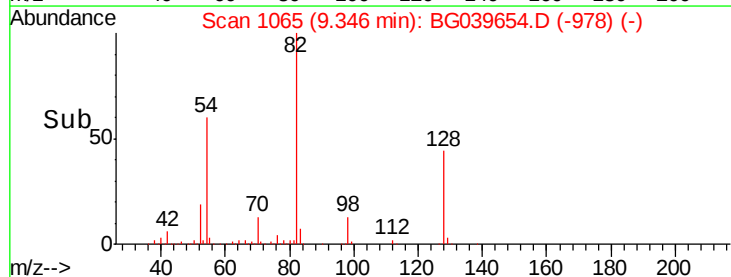


#23
Nitrobenzene-d5
Concen: 105.068 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039654.D
Acq: 28 Feb 2019 4:33

Tgt Ion:	82	Resp:	407152
Ion	Ratio	Lower	Upper
82	100		
128	43.7	31.3	46.9
54	59.9	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





#32

Benzoic acid

Concen: 9.043 ng

RT: 10.23 min Scan# 1215

Delta R.T. -0.04 min

Lab File: BG039654.D

Acq: 28 Feb 2019 4:33

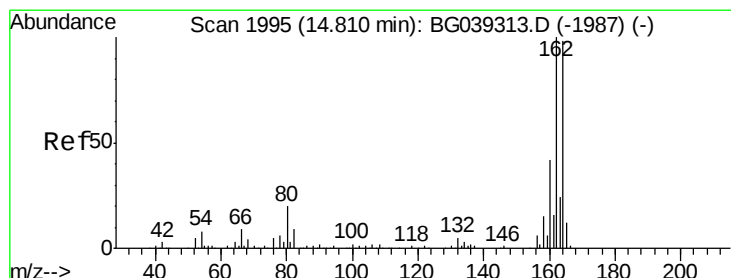
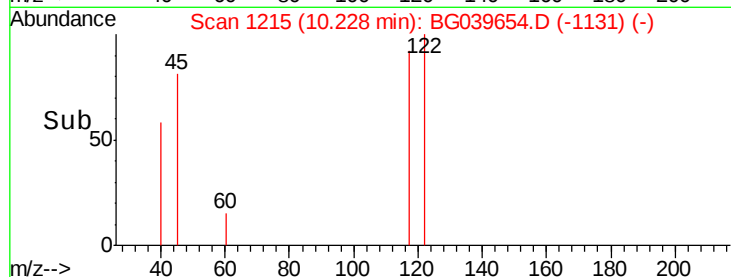
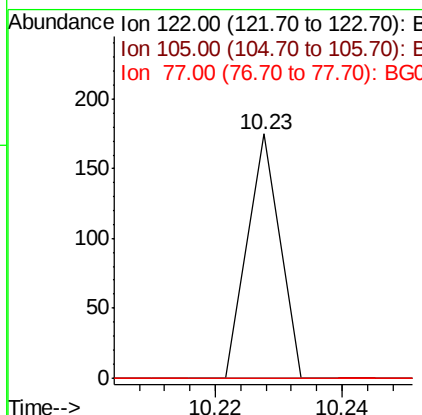
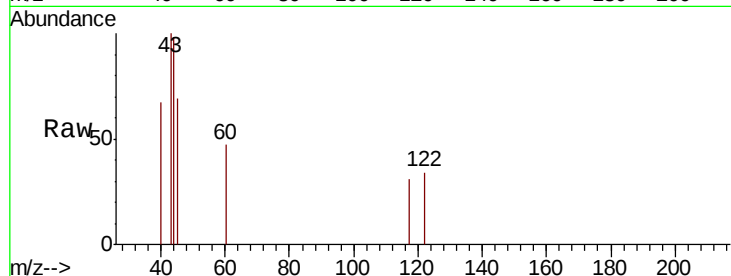
Instrument :

BNA_G

ClientSampleId :

PL-02-022619-B

Tgt 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

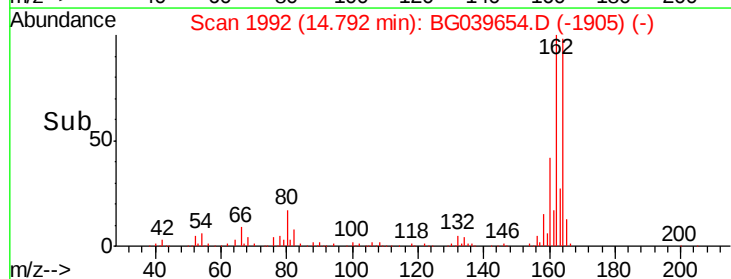
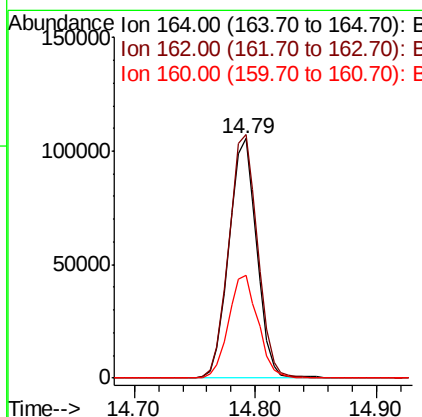
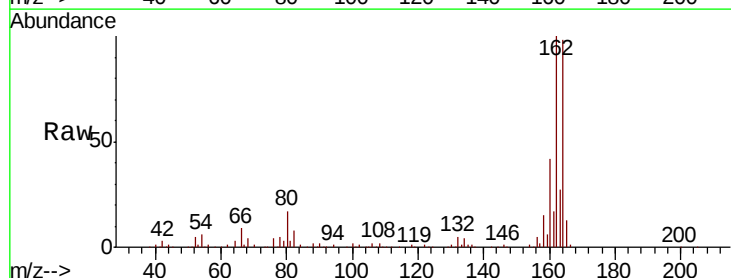
RT: 14.79 min Scan# 1992

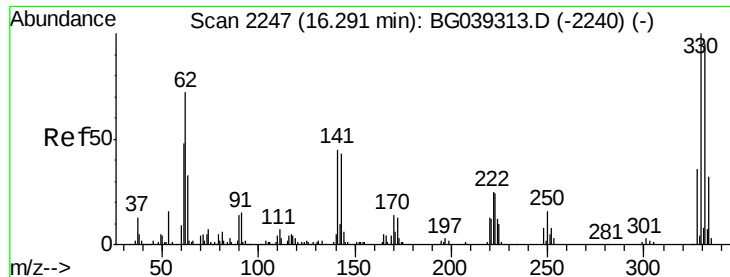
Delta R.T. -0.02 min

Lab File: BG039654.D

Acq: 28 Feb 2019 4:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	81.6	122.4
160	42.8	34.2	51.2

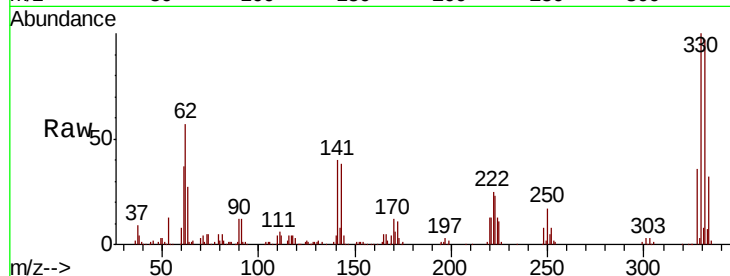




#42
 2,4,6-Tribromophenol
 Concen: 128.989 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.01 min
 Lab File: BG039654.D
 Acq: 28 Feb 2019 4:33

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-022619-B

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	75.7	113.5
141	42.2	35.6	53.4

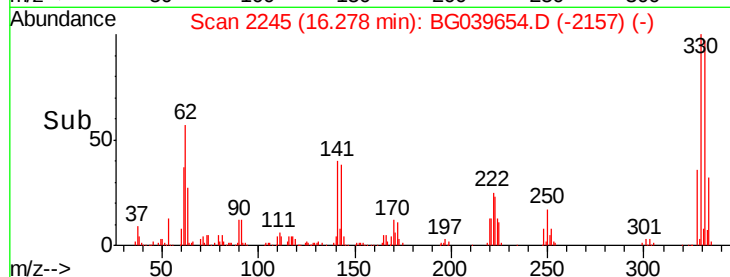
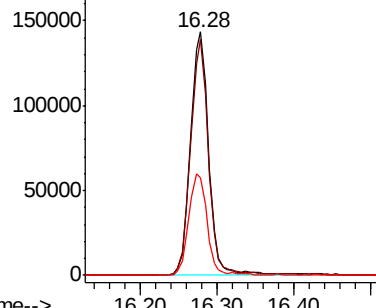


Abundance

Ion 329.80 (329.50 to 330.50): E

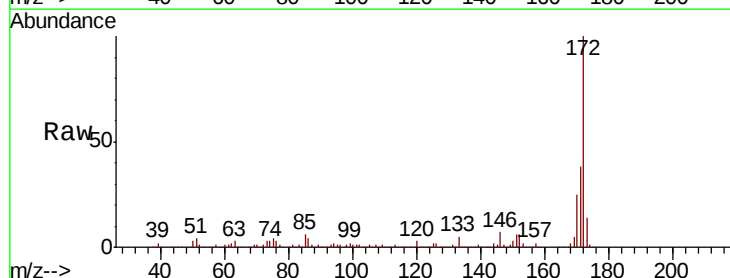
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 83.601 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039654.D
 Acq: 28 Feb 2019 4:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	30.8	46.2
170	25.4	20.2	30.4

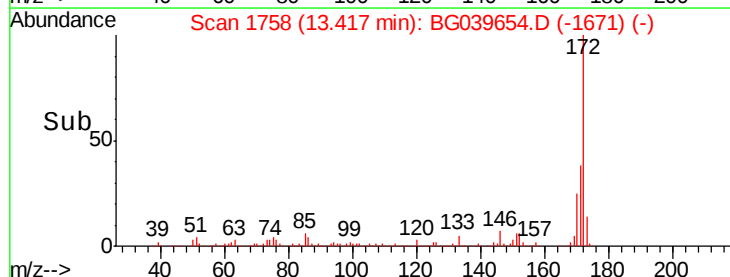
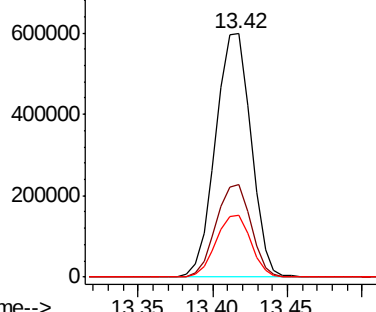


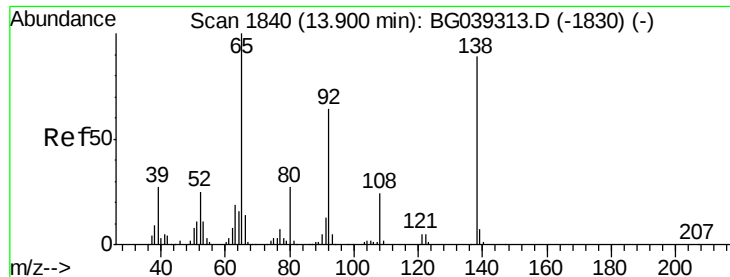
Abundance

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: 8.699 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.49 min

Lab File: BG039654.D

Acq: 28 Feb 2019 4:33

Instrument :

BNA_G

ClientSampleId :

PL-02-022619-B

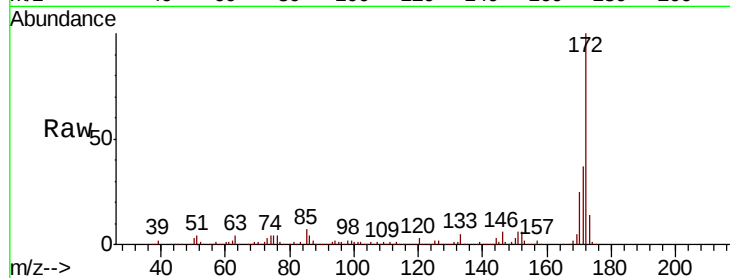
Tgt Ion: 65 Resp: 1481

Ion Ratio Lower Upper

65 100

92 260.0 51.4 77.2#

138 29.3 71.4 107.2#

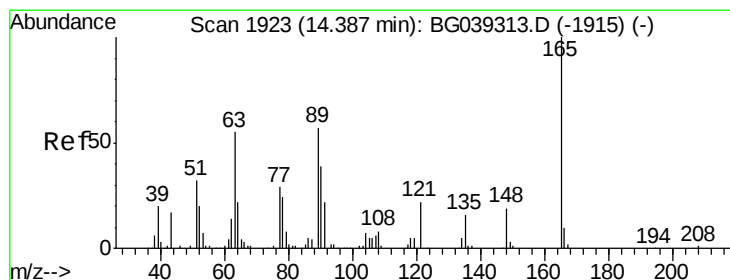
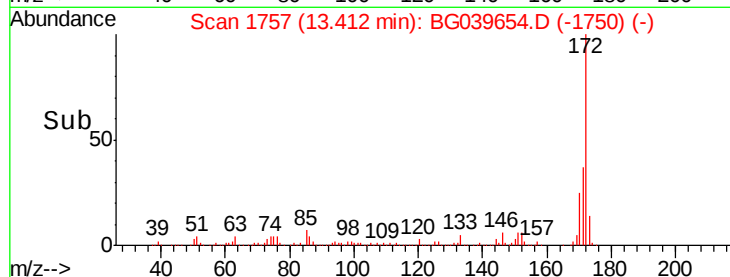
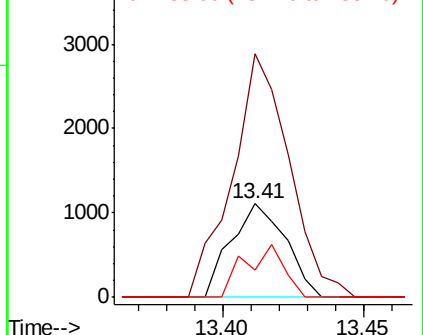


Abundance

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): BGC



#51

2,6-Dinitrotoluene

Concen: 14.026 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039654.D

Acq: 28 Feb 2019 4:33

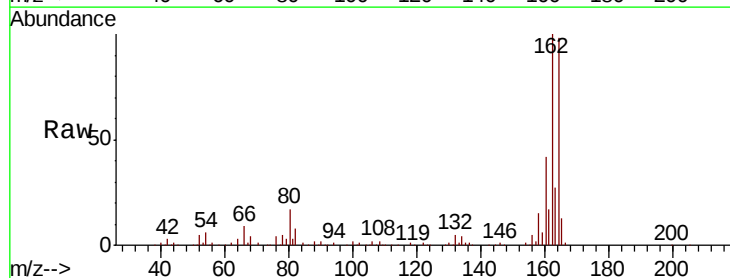
Tgt Ion: 165 Resp: 22073

Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

89 1.4 45.8 68.8#

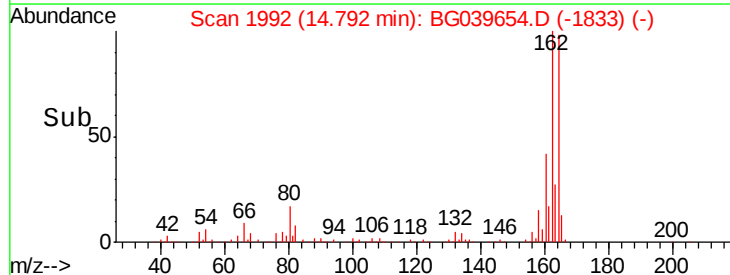
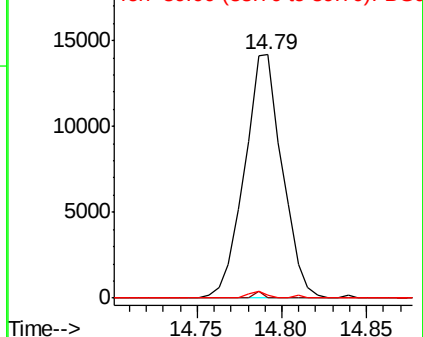


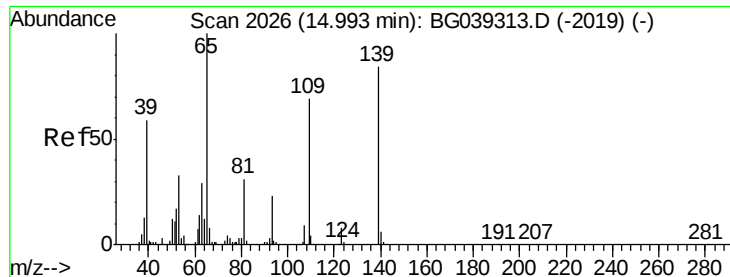
Abundance

Ion 165.00 (164.70 to 165.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

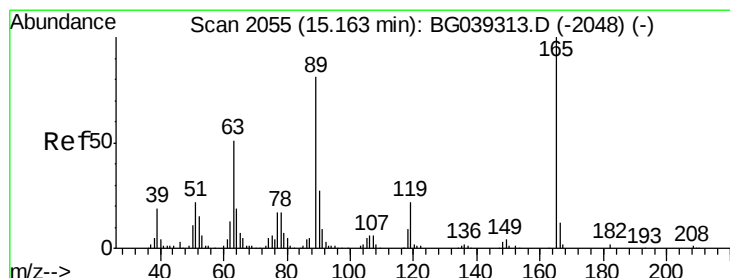
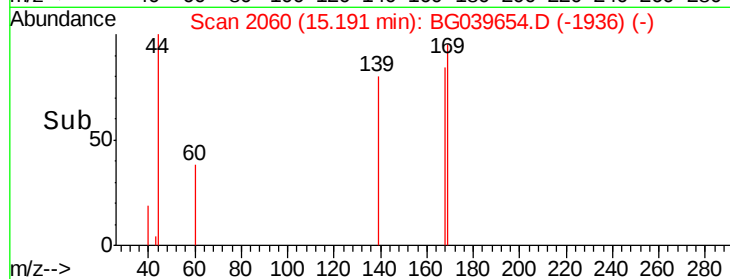
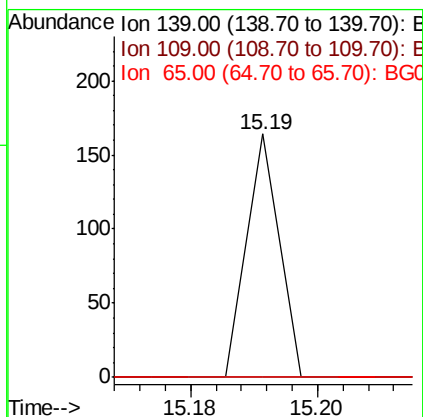
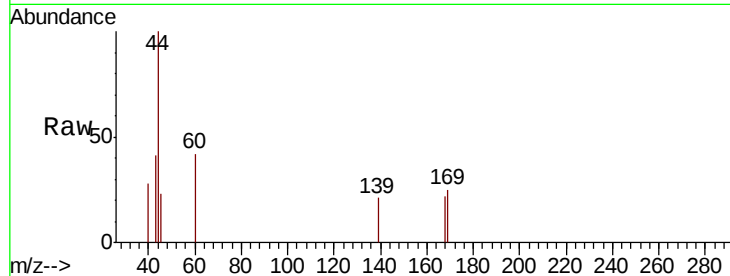




#56
4-Nitrophenol
Concen: 5.816 ng
RT: 15.19 min Scan# 2060
Delta R.T. 0.20 min
Lab File: BG039654.D
Acq: 28 Feb 2019 4:33

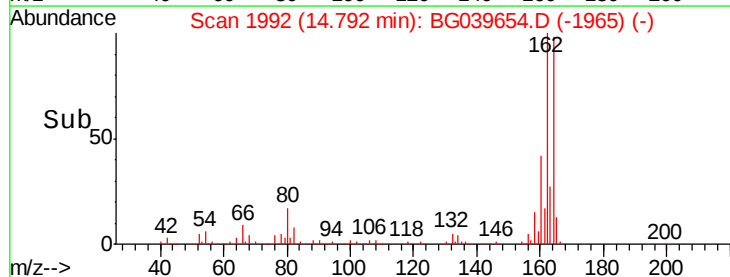
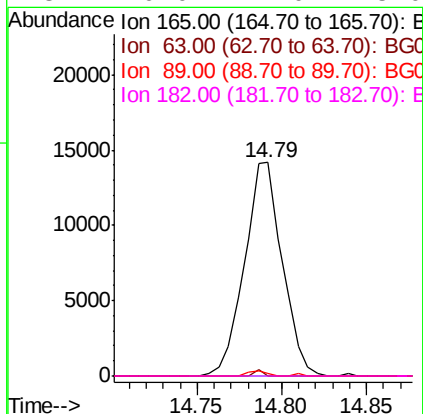
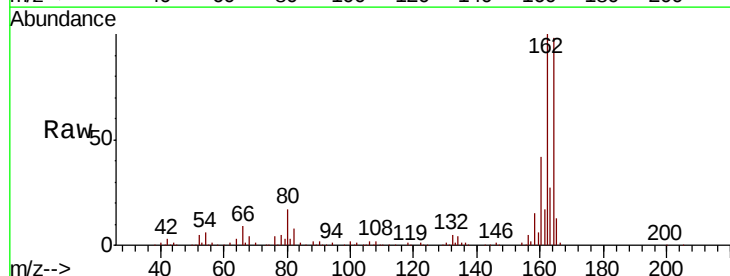
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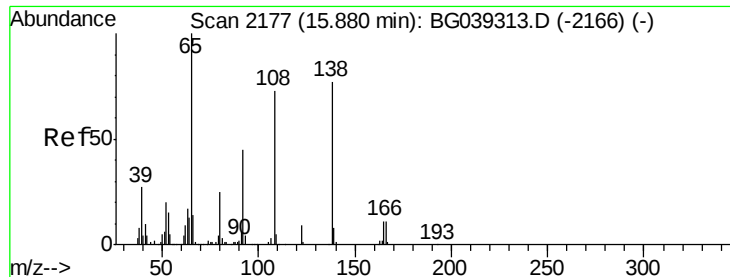
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	61.9	101.9#
65	0.0	99.1	139.1#



#57
2,4-Dinitrotoluene
Concen: 13.476 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.37 min
Lab File: BG039654.D
Acq: 28 Feb 2019 4:33

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





#62

4-Nitroaniline

Concen: 4.220 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.41 min

Lab File: BG039654.D

Acq: 28 Feb 2019 4:33

Instrument :

BNA_G

ClientSampleId :

PL-02-022619-B

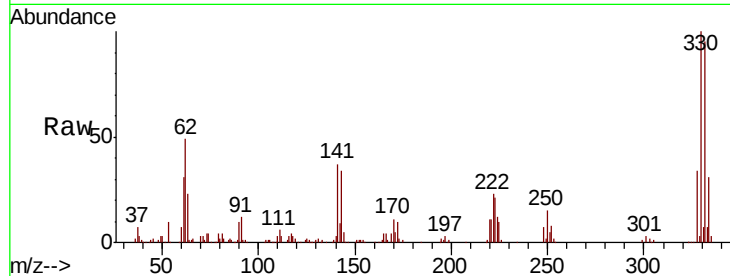
Tgt Ion:138 Resp: 54

Ion Ratio Lower Upper

138 100

92 674.0 38.7 78.7#

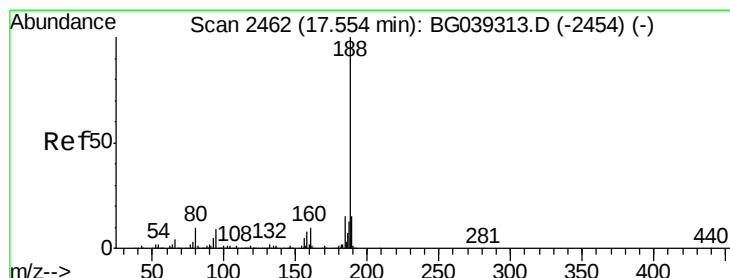
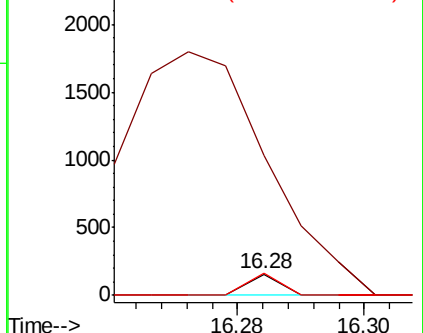
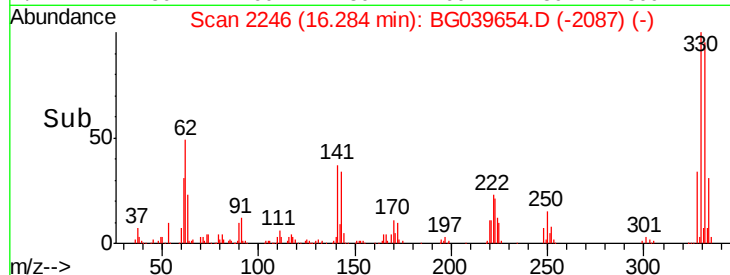
108 103.9 74.6 114.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG0

Ion 108.00 (107.70 to 108.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039654.D

Acq: 28 Feb 2019 4:33

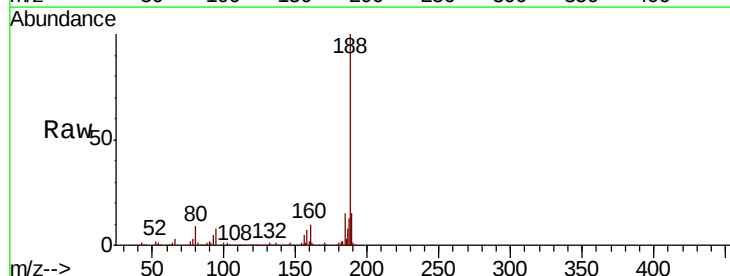
Tgt Ion:188 Resp: 412773

Ion Ratio Lower Upper

188 100

94 8.1 6.9 10.3

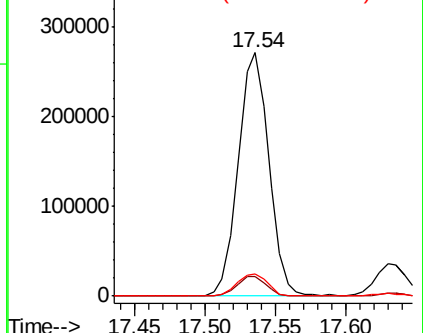
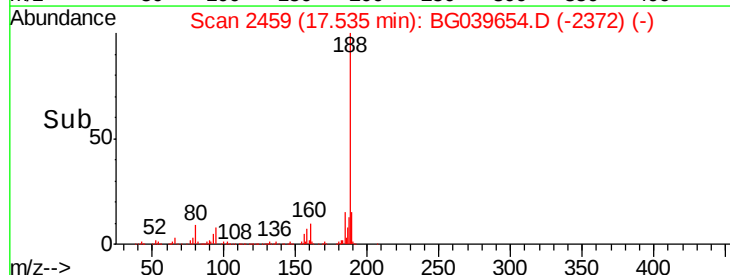
80 9.1 8.1 12.1

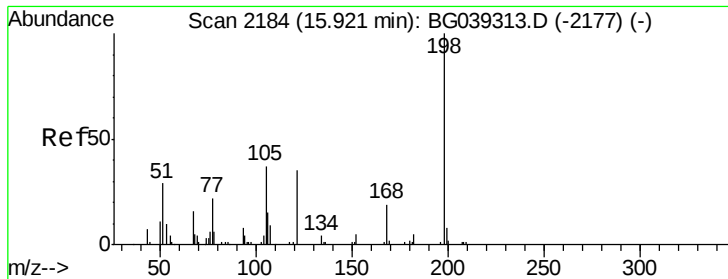


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0





#65

4,6-Dinitro-2-methylphenol

Concen: 4.829 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.35 min

Lab File: BG039654.D

Acq: 28 Feb 2019 4:33

Instrument :

BNA_G

ClientSampleId :

PL-02-022619-B

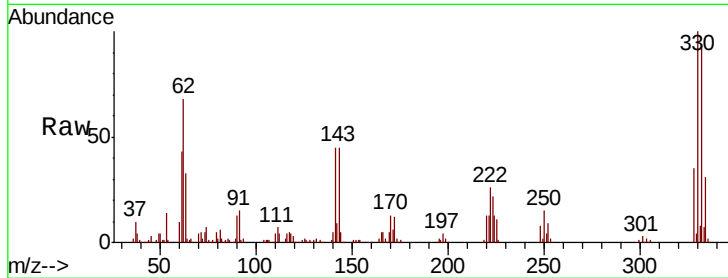
Tgt Ion:198 Resp: 842

Ion Ratio Lower Upper

198 100

51 116.9 27.4 67.4#

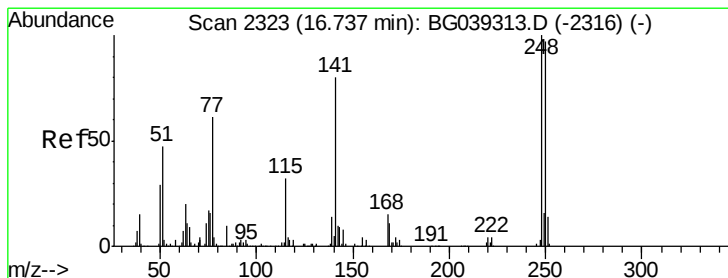
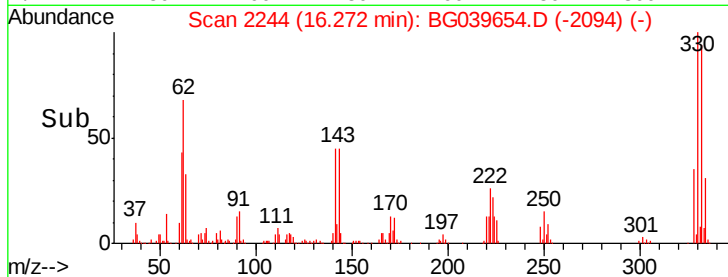
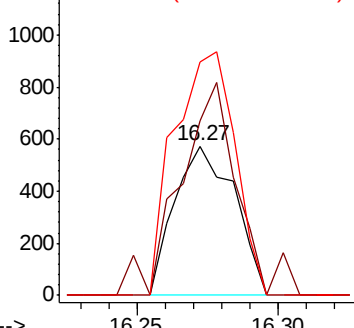
105 156.4 19.7 59.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.916 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.46 min

Lab File: BG039654.D

Acq: 28 Feb 2019 4:33

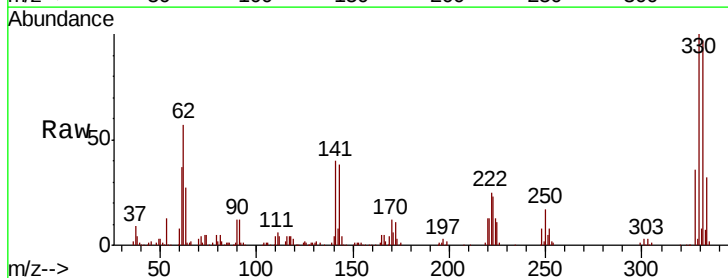
Tgt Ion:248 Resp: 17932

Ion Ratio Lower Upper

248 100

250 200.2 77.6 116.4#

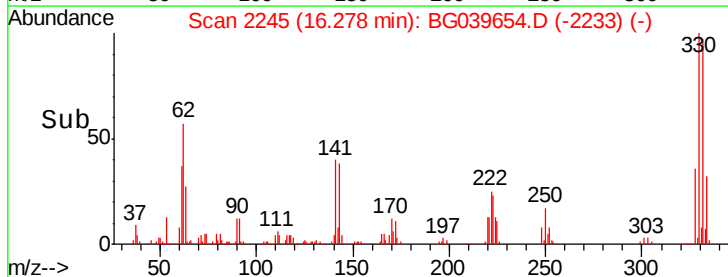
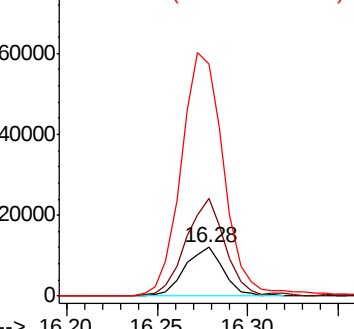
141 476.9 63.9 95.9#

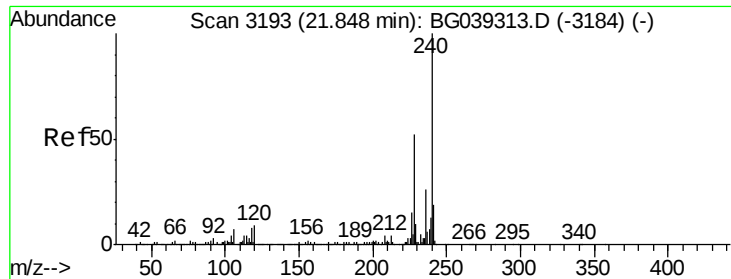


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.02 min

Lab File: BG039654.D

Acq: 28 Feb 2019 4:33

Instrument :

BNA_G

ClientSampleId :

PL-02-022619-B

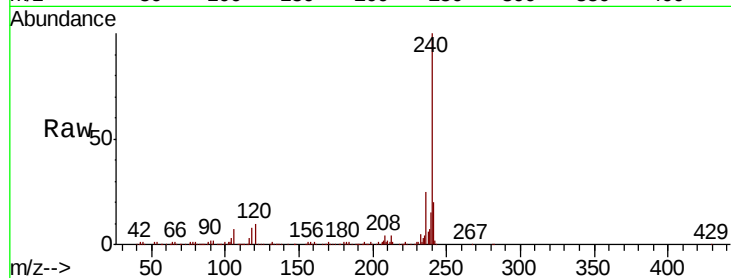
Tgt Ion:240 Resp: 372620

Ion Ratio Lower Upper

240 100

120 9.7 7.0 10.6

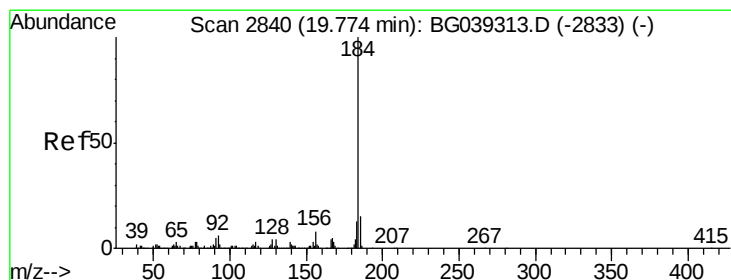
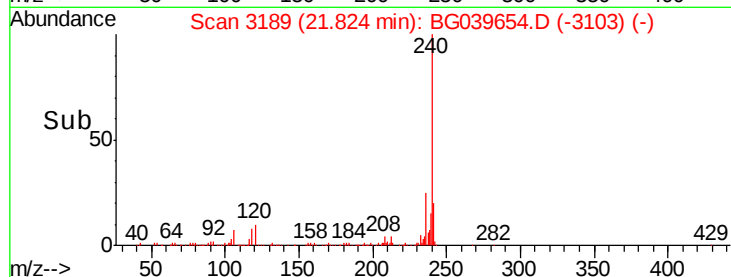
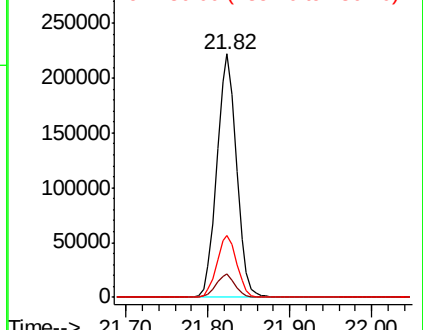
236 25.5 21.0 31.4



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: 2.073 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.35 min

Lab File: BG039654.D

Acq: 28 Feb 2019 4:33

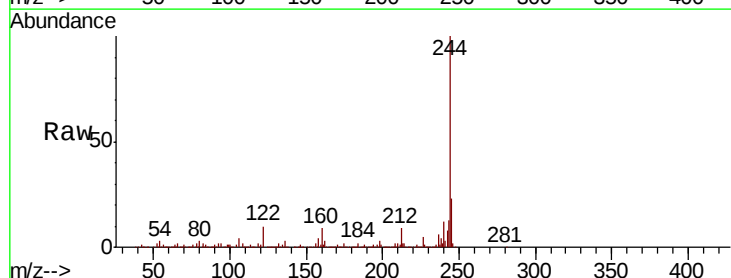
Tgt Ion:184 Resp: 25326

Ion Ratio Lower Upper

184 100

185 16.3 12.2 18.2

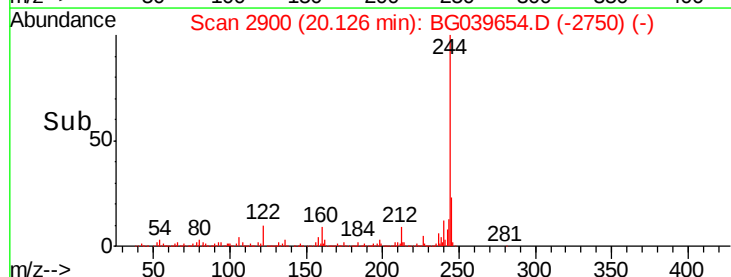
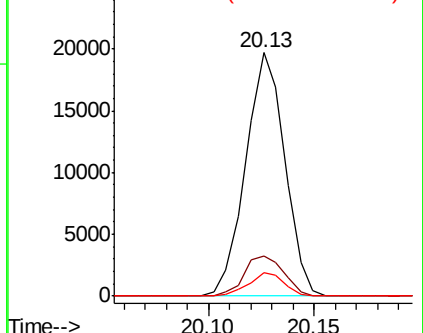
183 9.4 10.6 15.8#

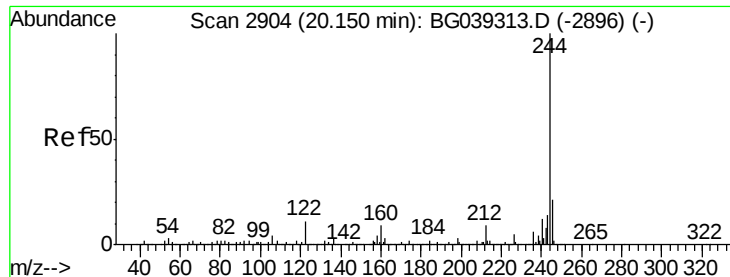


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 83.163 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.02 min

Lab File: BG039654.D

Acq: 28 Feb 2019 4:33

Instrument :

BNA_G

ClientSampleId :

PL-02-022619-B

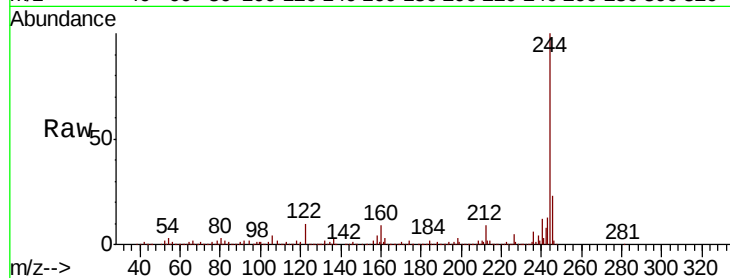
Tgt Ion:244 Resp: 1463991

Ion Ratio Lower Upper

244 100

212 9.3 7.3 10.9

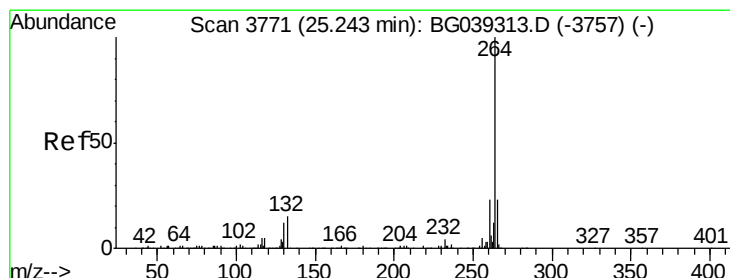
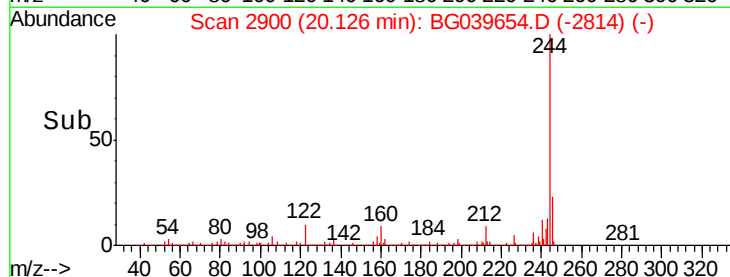
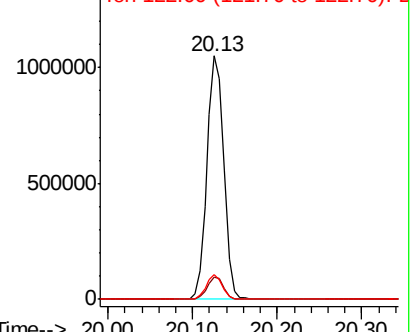
122 10.2 8.4 12.6



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: BG039654.D

Acq: 28 Feb 2019 4:33

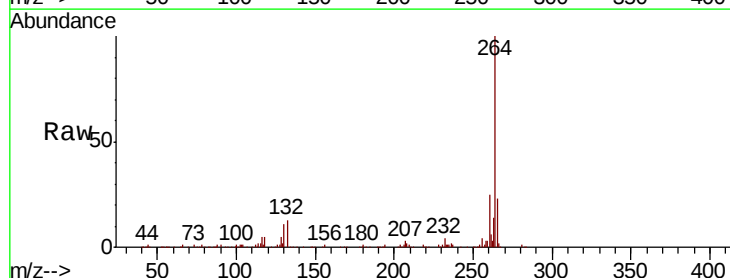
Tgt Ion:264 Resp: 365020

Ion Ratio Lower Upper

264 100

260 25.3 18.2 27.4

265 22.6 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

