

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022719\
 Data File : BG039655.D
 Acq On : 28 Feb 2019 5:12
 Operator : JU/SJ
 Sample : K1353-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Feb 28 07:15:16 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	8.16	152	51216	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	216765	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	145536	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	330053	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	353140	20.00	ng	-0.03
87) Perylene-d12	25.20	264	338098	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	412386	137.81	ng	0.00
7) Phenol-d6	7.31	99	536972	121.91	ng	0.00
23) Nitrobenzene-d5	9.34	82	394309	113.64	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	195660	124.85	ng	-0.02
45) 2-Fluorobiphenyl	13.41	172	921845	90.87	ng	-0.02
79) Terphenyl-d14	20.12	244	1424547	85.39	ng	-0.03

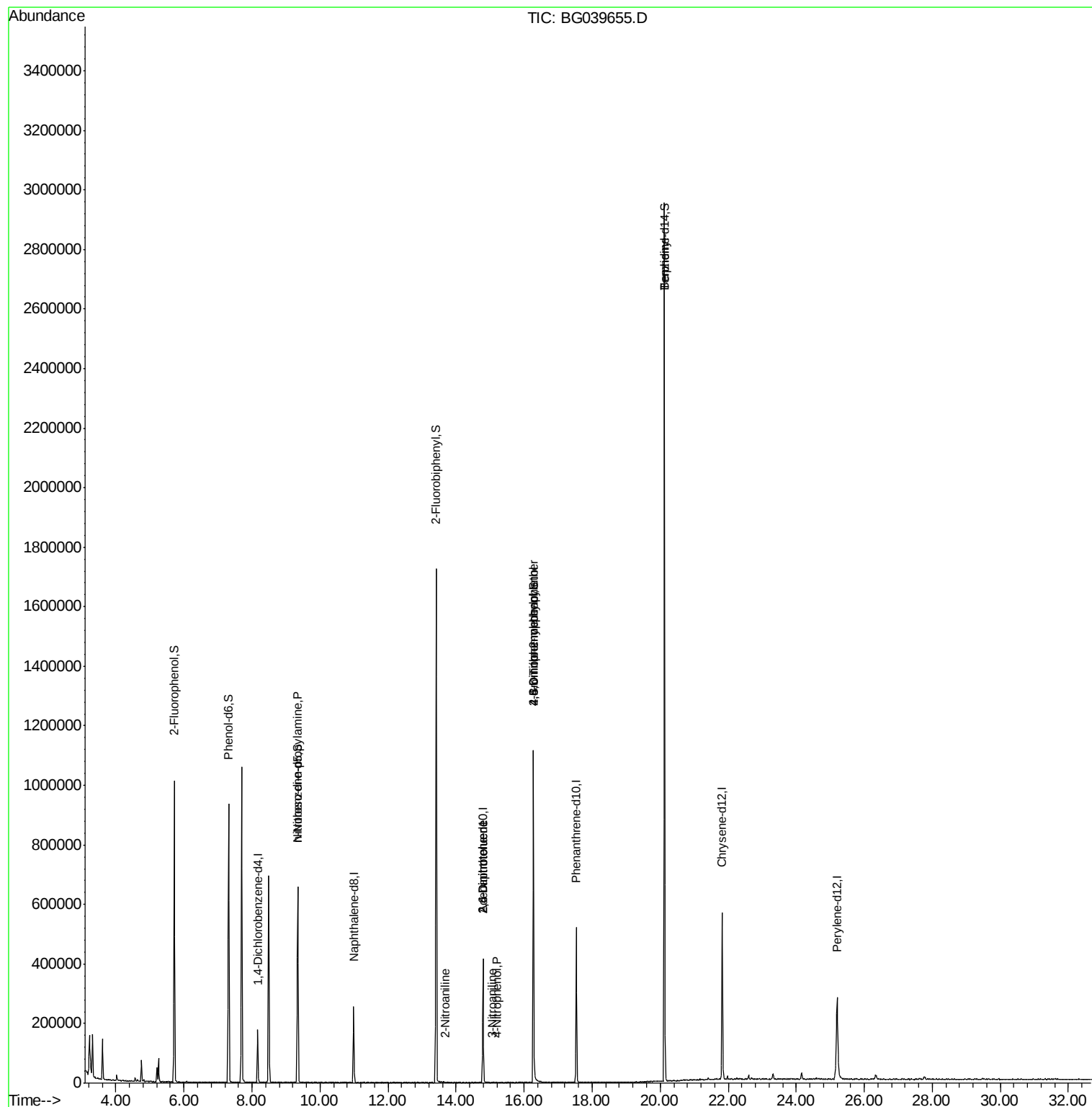
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1019	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	50935	16.292	ng	# 70
48) 2-Nitroaniline	13.68	65	58	8.315	ng	# 10
51) 2,6-Dinitrotoluene	14.79	165	18073	13.662	ng	# 26
53) 3-Nitroaniline	15.05	138	55	5.813	ng	# 1
56) 4-Nitrophenol	15.19	139	58	5.819	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	18073	13.201	ng	# 21
65) 4,6-Dinitro-2-methylphenol	16.28	198	734	4.888	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	15331	4.187	ng	# 1
77) Benzidine	20.12	184	25218	2.178	ng	# 91

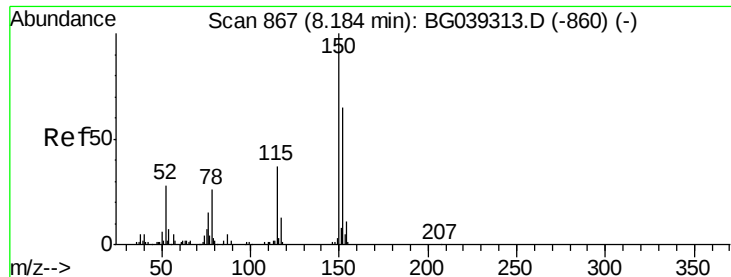
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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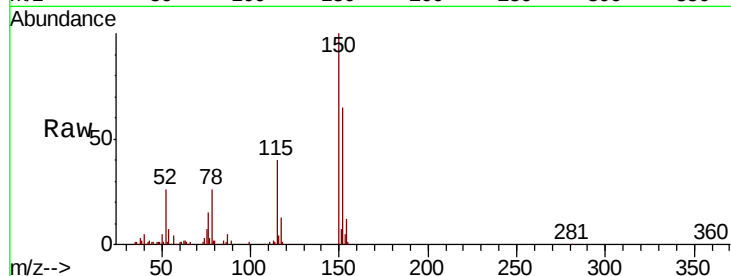


#1

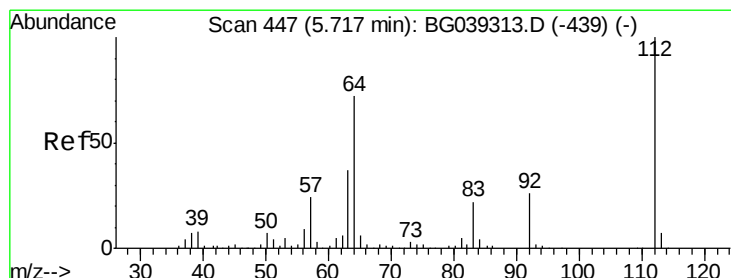
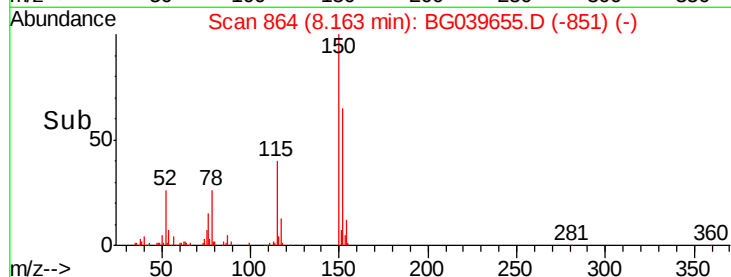
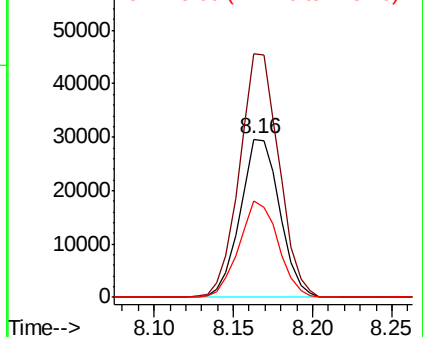
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.02 min
Lab File: BG039655.D
Acq: 28 Feb 2019 5:12

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

Tgt Ion:152 Resp: 51216
Ion Ratio Lower Upper
152 100
150 153.8 123.7 185.5
115 60.8 45.9 68.9



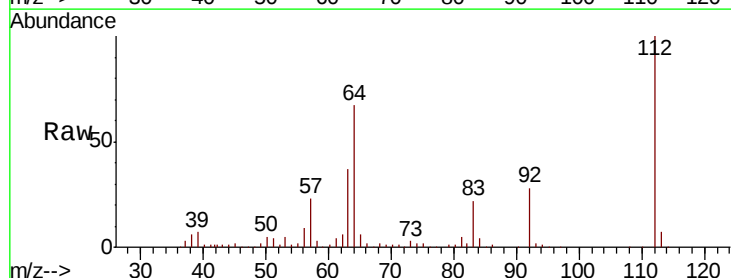
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



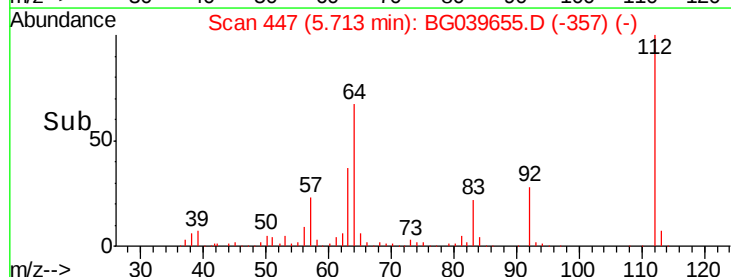
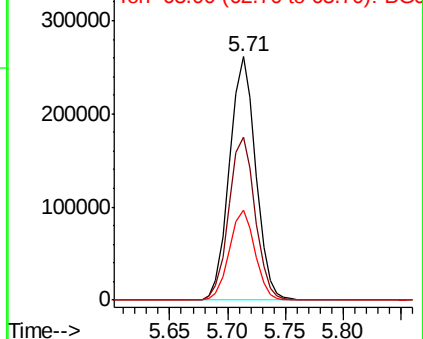
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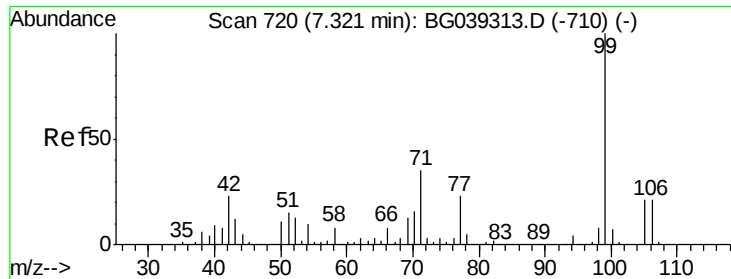
2-Fluorophenol
Concen: 137.809 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039655.D
Acq: 28 Feb 2019 5:12

Tgt Ion:112 Resp: 412386
Ion Ratio Lower Upper
112 100
64 66.9 57.8 86.8
63 37.2 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: 121.906 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039655.D

Acq: 28 Feb 2019 5:12

Instrument :

BNA_G

ClientSampleId :

PL-02-022619-C

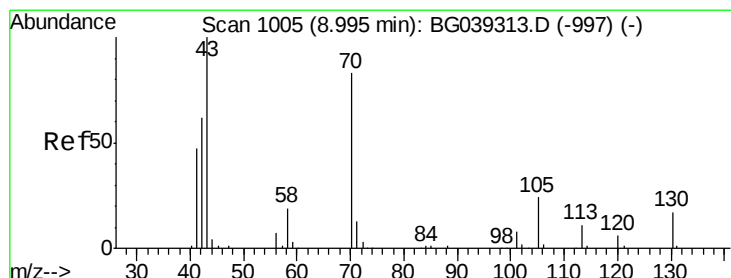
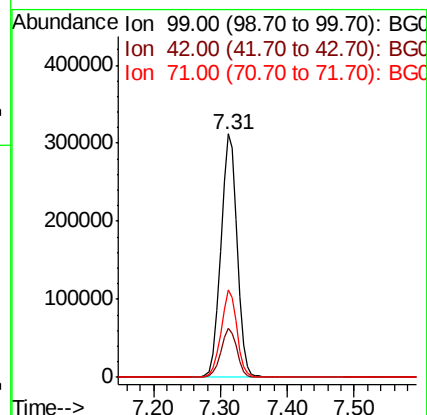
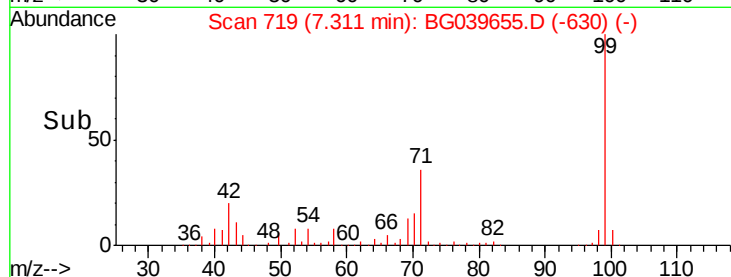
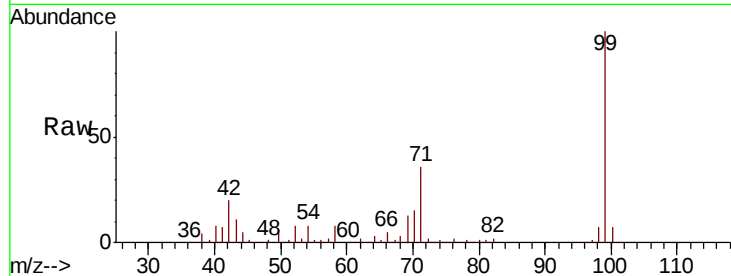
Tgt Ion: 99 Resp: 536972

Ion Ratio Lower Upper

99 100

42 20.2 18.2 27.2

71 36.2 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.292 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039655.D

Acq: 28 Feb 2019 5:12

Tgt Ion: 70 Resp: 50935

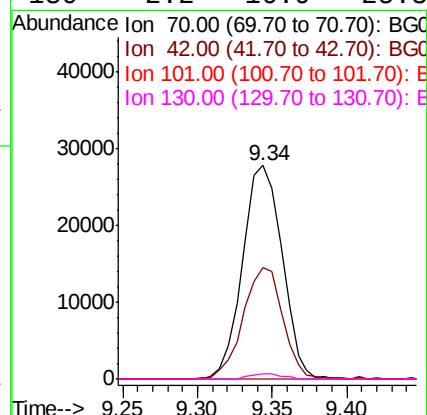
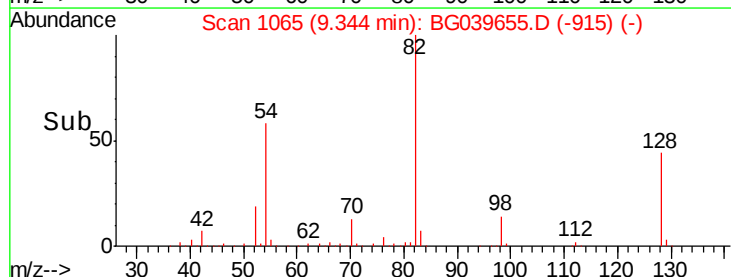
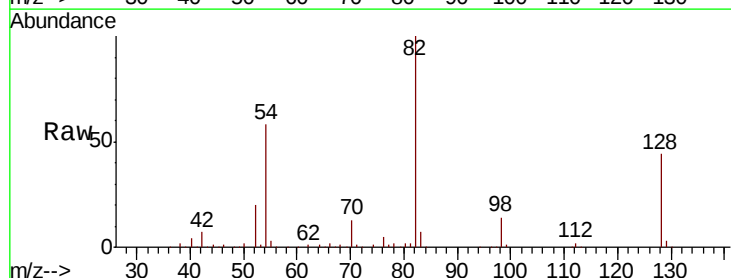
Ion Ratio Lower Upper

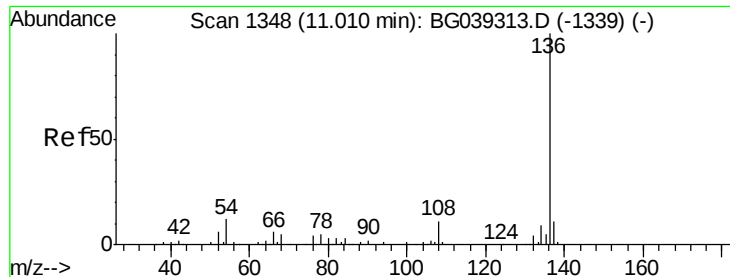
70 100

42 52.3 60.4 90.6#

101 0.0 7.5 11.3#

130 2.2 16.9 25.3#

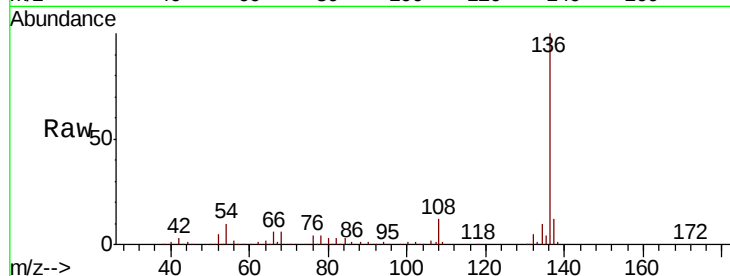




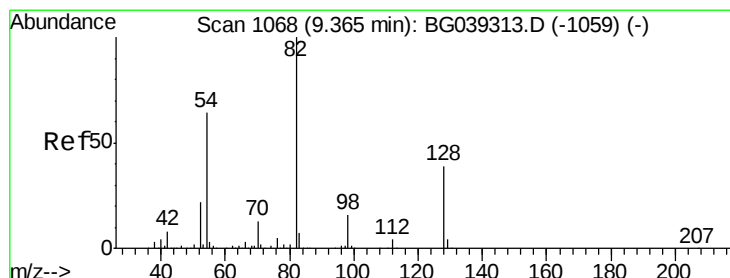
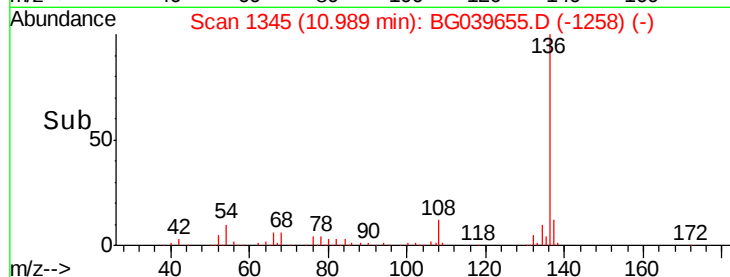
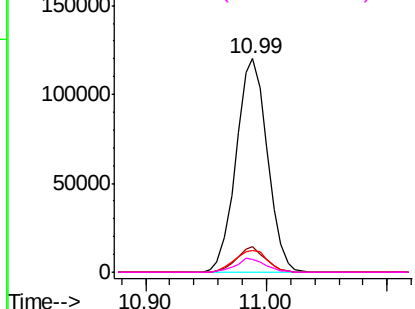
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039655.D
Acq: 28 Feb 2019 5:12

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

Tgt Ion:	136	Resp:	216765
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.1	13.7
54	10.0	9.4	14.2
68	6.1	4.2	6.4

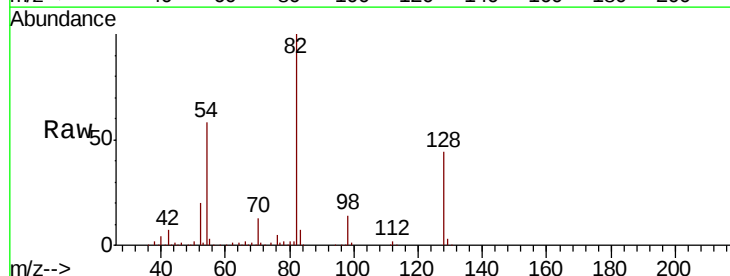


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

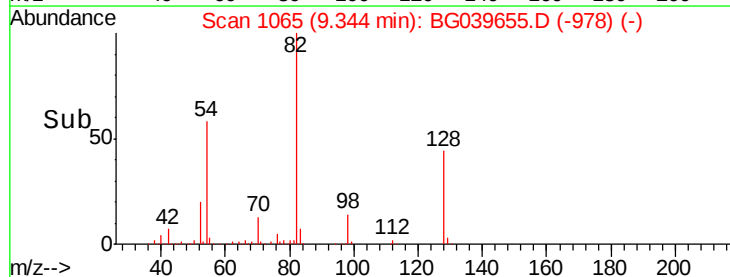
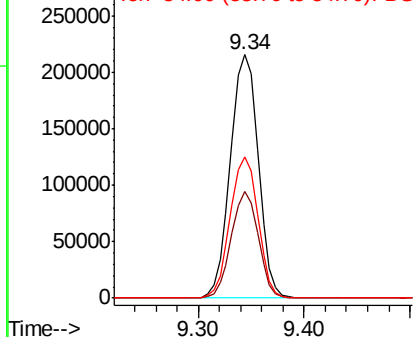


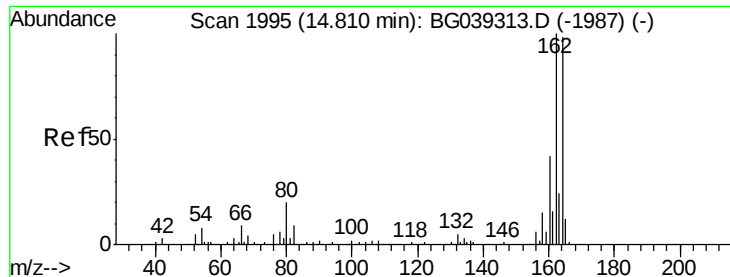
#23
Nitrobenzene-d5
Concen: 113.640 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039655.D
Acq: 28 Feb 2019 5:12

Tgt Ion:	82	Resp:	394309
Ion	Ratio	Lower	Upper
82	100		
128	43.9	31.3	46.9
54	57.9	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039655.D

Acq: 28 Feb 2019 5:12

Instrument :

BNA_G

ClientSampleId :

PL-02-022619-C

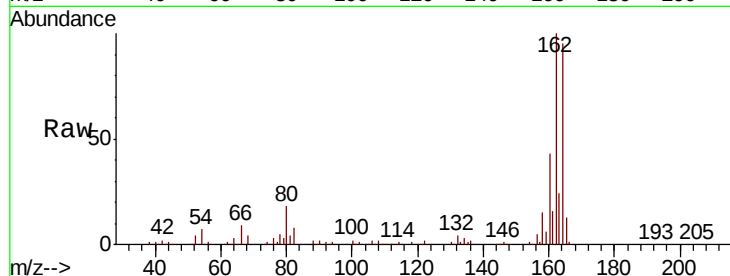
Tgt Ion:164 Resp: 145536

Ion Ratio Lower Upper

164 100

162 105.5 81.6 122.4

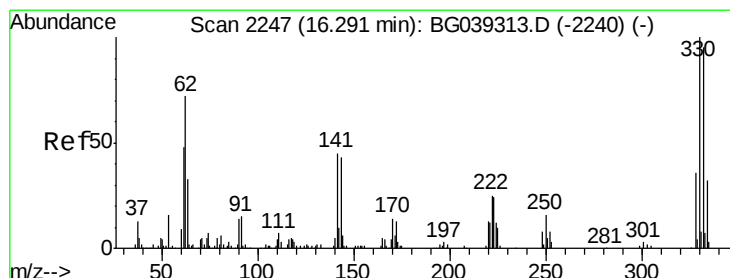
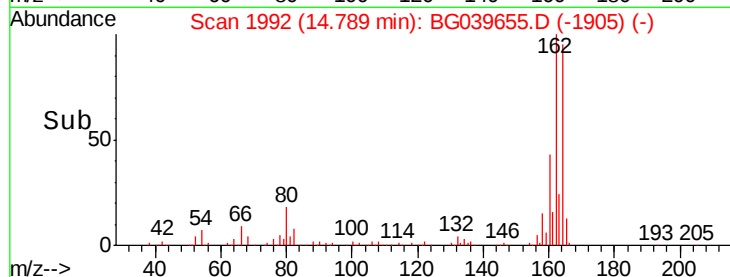
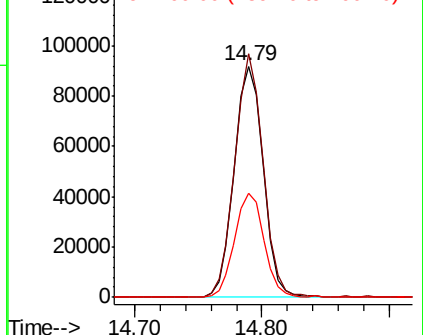
160 45.0 34.2 51.2



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: 124.849 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.02 min

Lab File: BG039655.D

Acq: 28 Feb 2019 5:12

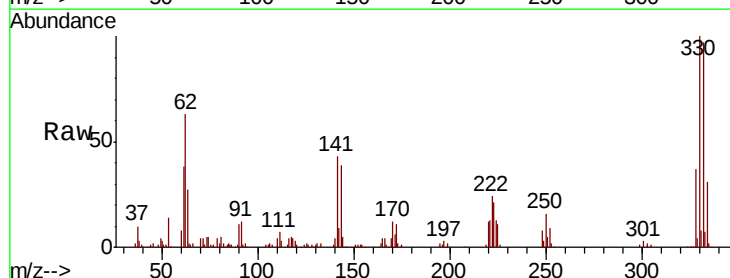
Tgt Ion:330 Resp: 195660

Ion Ratio Lower Upper

330 100

332 96.9 75.7 113.5

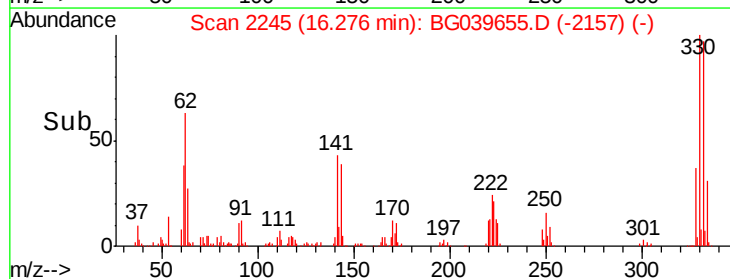
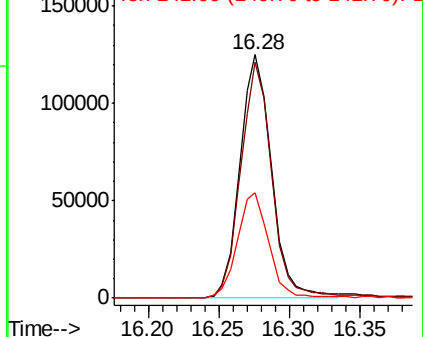
141 42.9 35.6 53.4

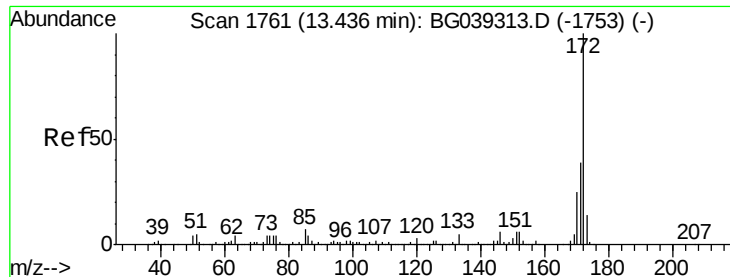


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

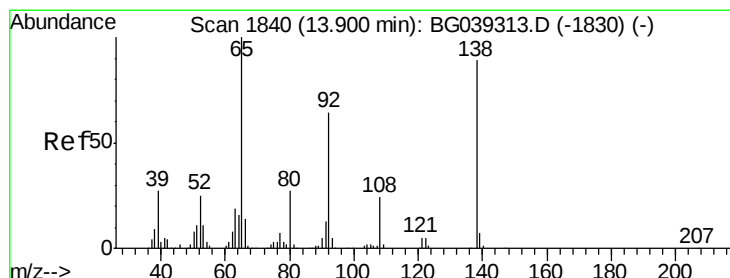
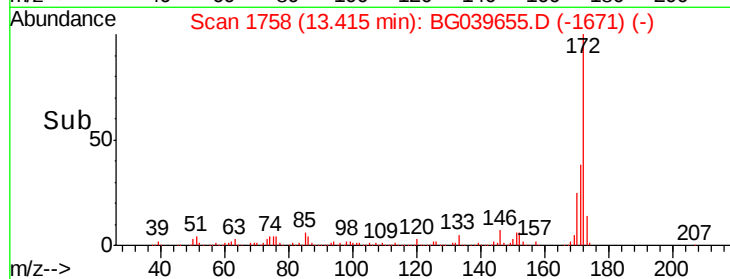
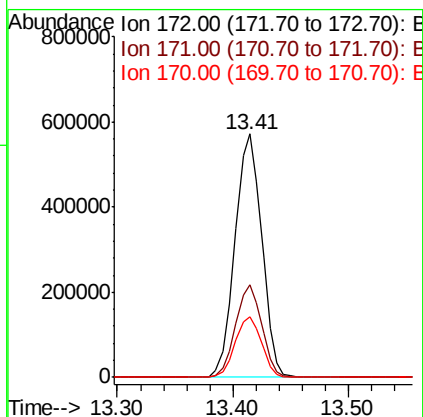
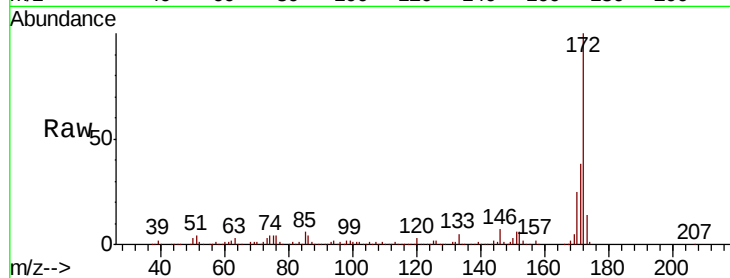




#45
 2-Fluorobiphenyl
 Concen: 90.866 ng
 RT: 13.41 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039655.D
 Acq: 28 Feb 2019 5:12

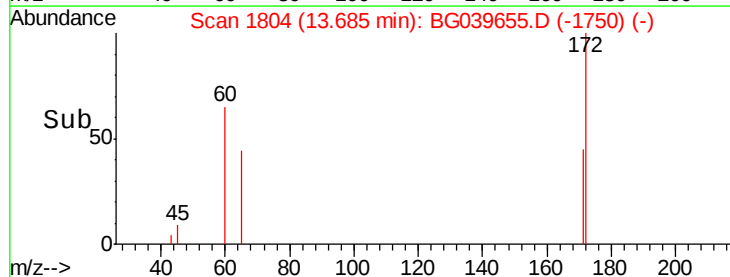
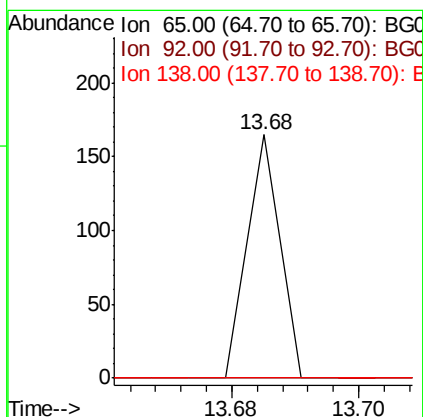
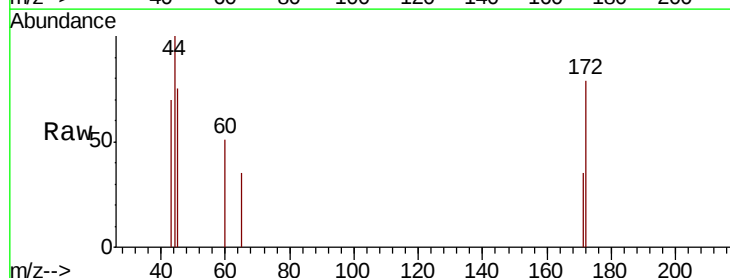
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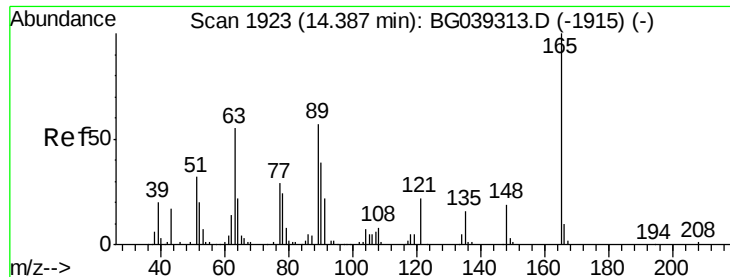
Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	30.8	46.2
170	24.8	20.2	30.4



#48
 2-Nitroaniline
 Concen: 8.315 ng
 RT: 13.68 min Scan# 1804
 Delta R.T. -0.21 min
 Lab File: BG039655.D
 Acq: 28 Feb 2019 5:12

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

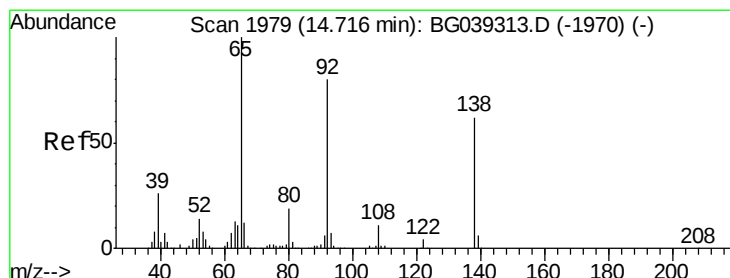
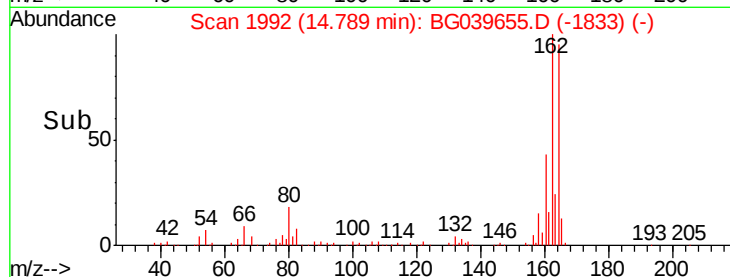
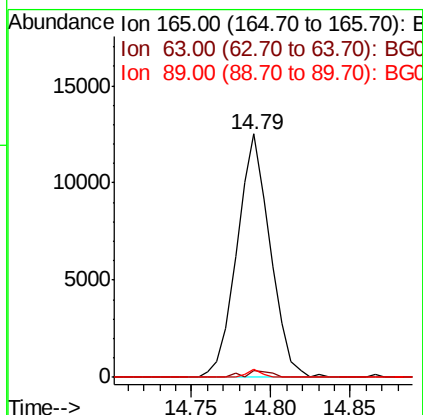
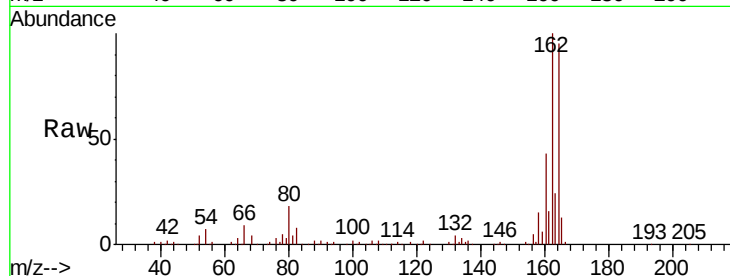




#51
2,6-Dinitrotoluene
Concen: 13.662 ng
RT: 14.79 min Scan# 1992
Delta R.T. 0.40 min
Lab File: BG039655.D
Acq: 28 Feb 2019 5:12

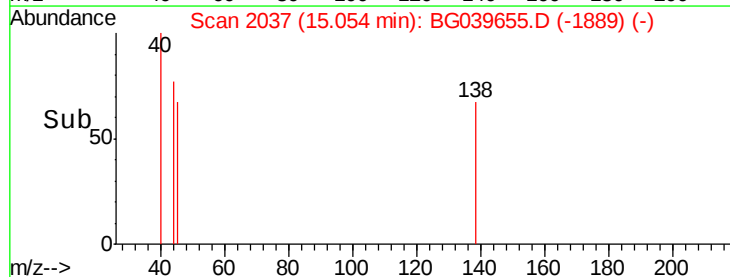
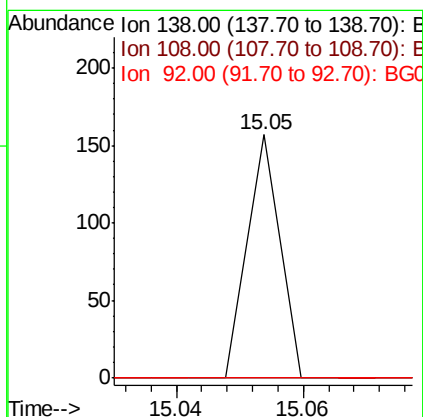
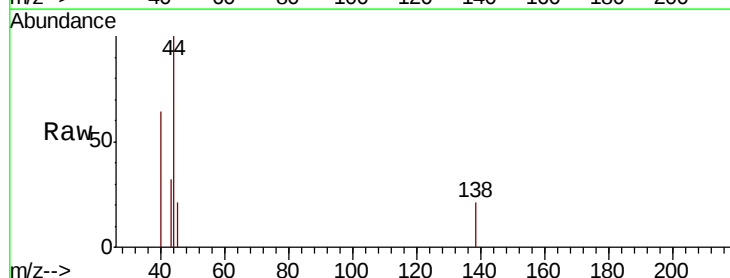
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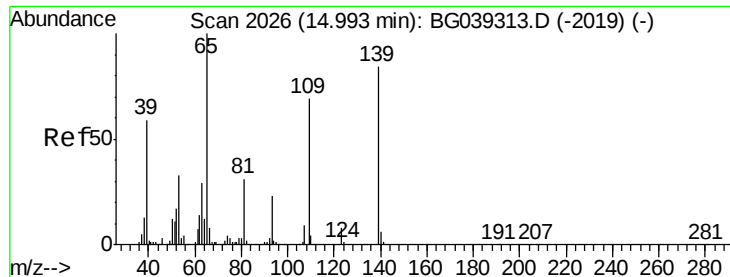
Tgt Ion:165 Resp: 18073
Ion Ratio Lower Upper
165 100
63 2.6 47.0 70.6#
89 3.1 45.8 68.8#



#53
3-Nitroaniline
Concen: 5.813 ng
RT: 15.05 min Scan# 2037
Delta R.T. 0.34 min
Lab File: BG039655.D
Acq: 28 Feb 2019 5:12

Tgt Ion:138 Resp: 55
Ion Ratio Lower Upper
138 100
108 0.0 13.8 20.8#
92 0.0 103.7 155.5#

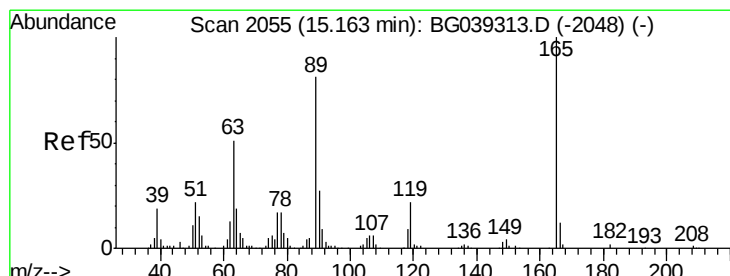
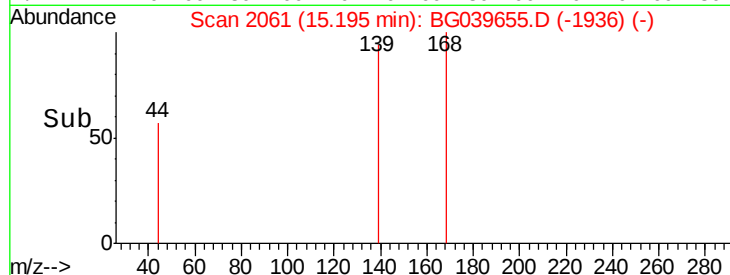
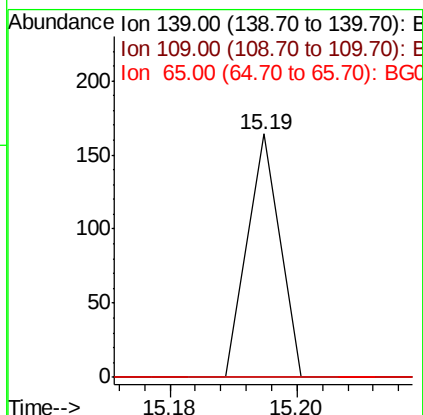
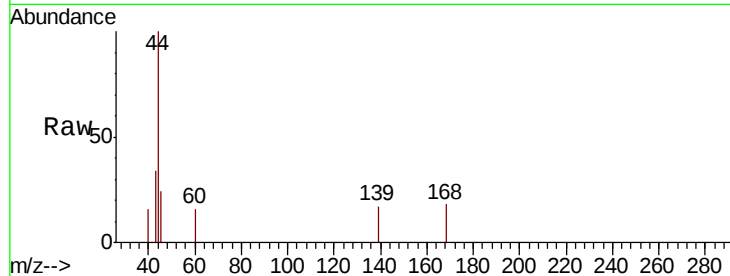




#56
4-Nitrophenol
Concen: 5.819 ng
RT: 15.19 min Scan# 2061
Delta R.T. 0.20 min
Lab File: BG039655.D
Acq: 28 Feb 2019 5:12

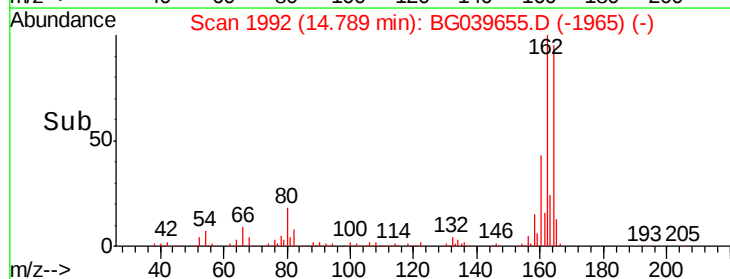
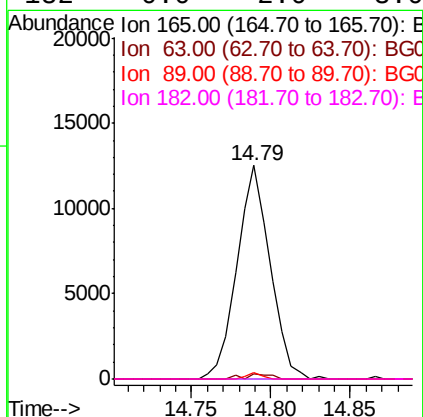
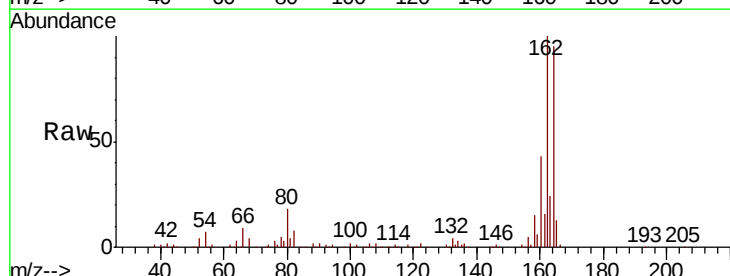
Instrument :
BNA_G
ClientSampleId :
PL-02-022619-C

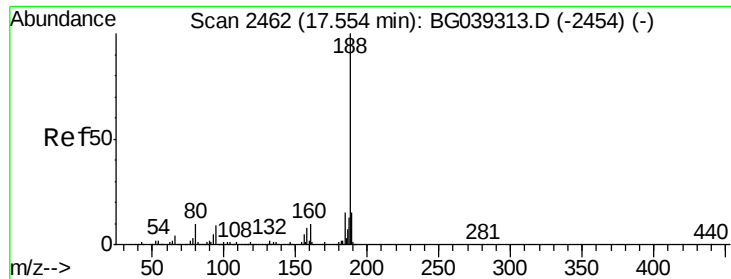
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	61.9	101.9#
65	0.0	99.1	139.1#



#57
2,4-Dinitrotoluene
Concen: 13.201 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.37 min
Lab File: BG039655.D
Acq: 28 Feb 2019 5:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.6	41.0	61.6#
89	3.1	64.6	96.8#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039655.D

Acq: 28 Feb 2019 5:12

Instrument :

BNA_G

ClientSampleId :

PL-02-022619-C

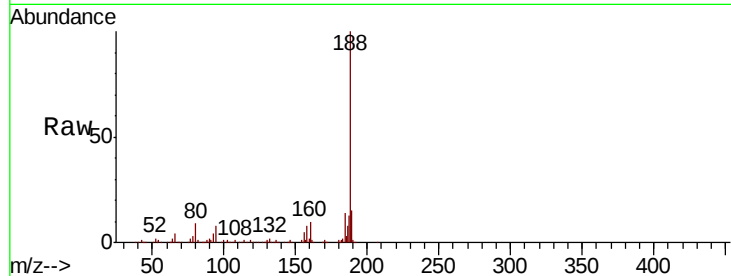
Tgt Ion:188 Resp: 330053

Ion Ratio Lower Upper

188 100

94 8.0 6.9 10.3

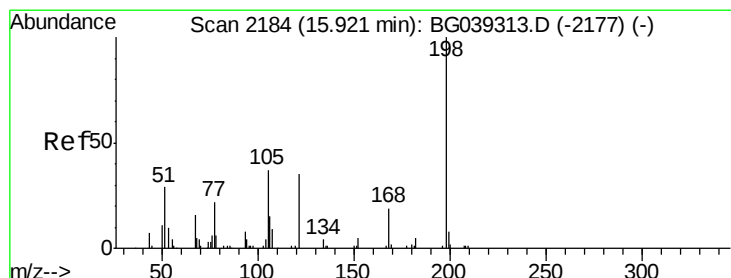
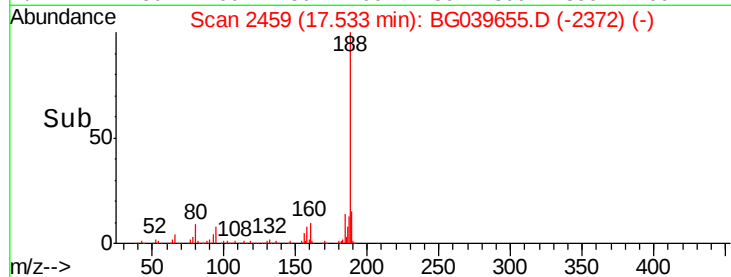
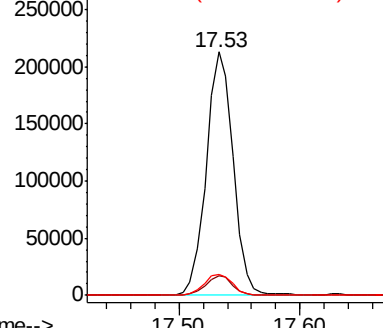
80 8.7 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 4.888 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039655.D

Acq: 28 Feb 2019 5:12

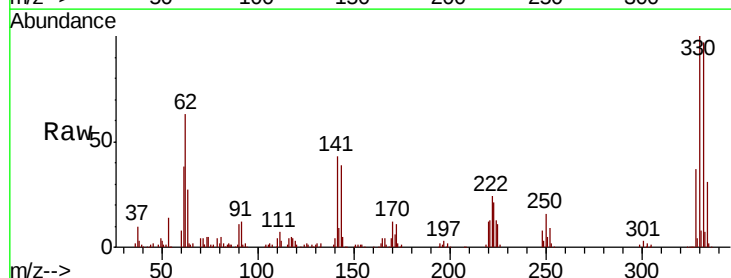
Tgt Ion:198 Resp: 734

Ion Ratio Lower Upper

198 100

51 132.9 27.4 67.4#

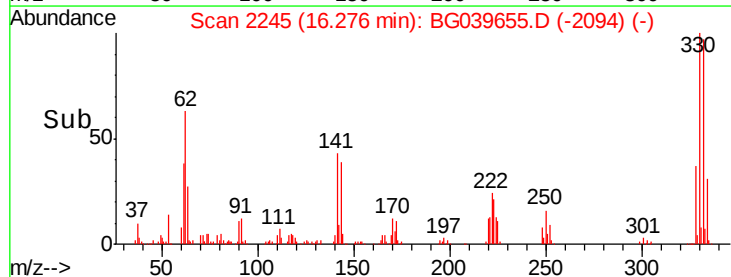
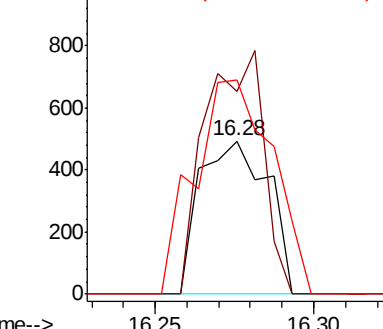
105 140.4 19.7 59.7#

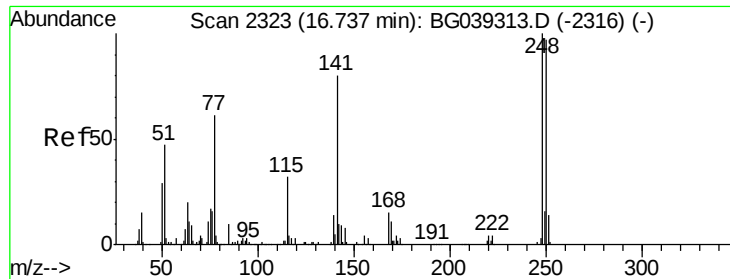


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

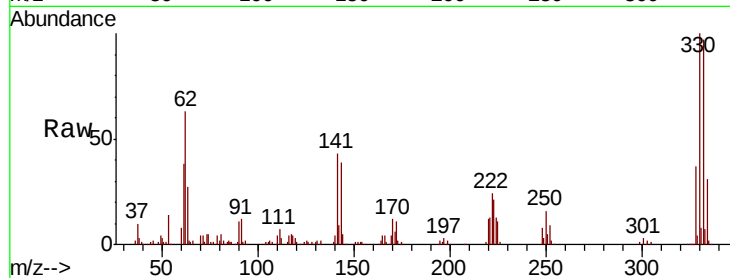




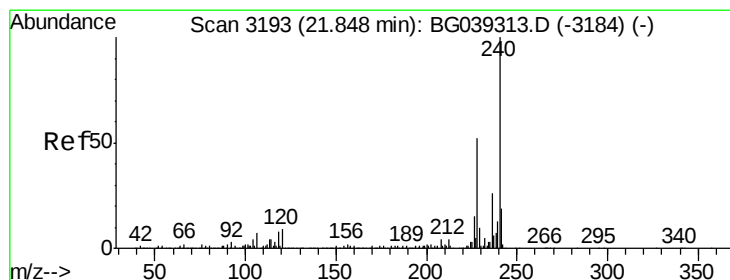
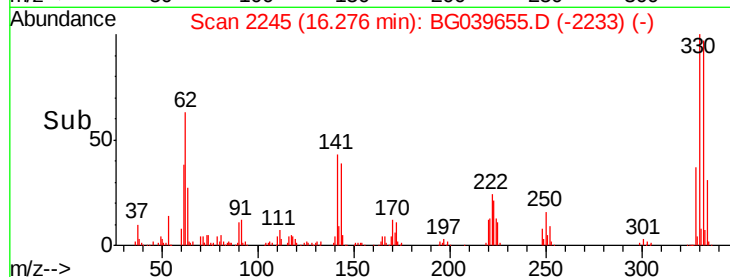
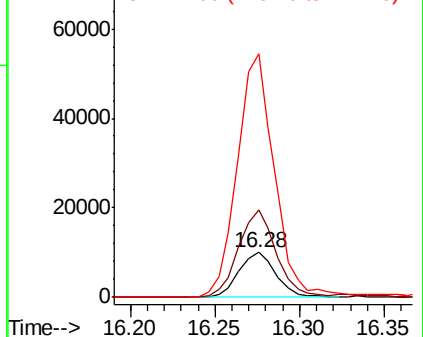
#67
 4-Bromophenyl-phenylether
 Concen: 4.187 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039655.D
 Acq: 28 Feb 2019 5:12

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

Tgt Ion:248 Resp: 15331
 Ion Ratio Lower Upper
 248 100
 250 193.9 77.6 116.4#
 141 541.1 63.9 95.9#

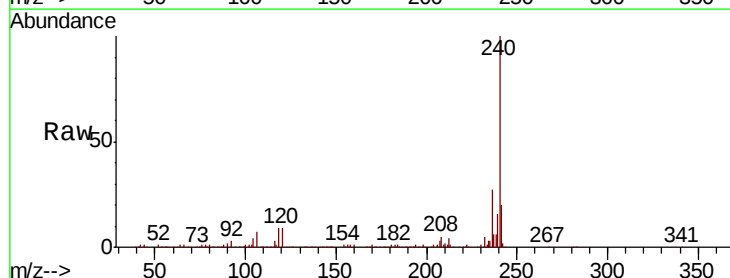


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

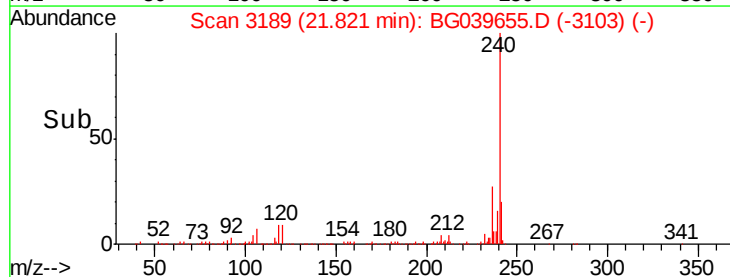
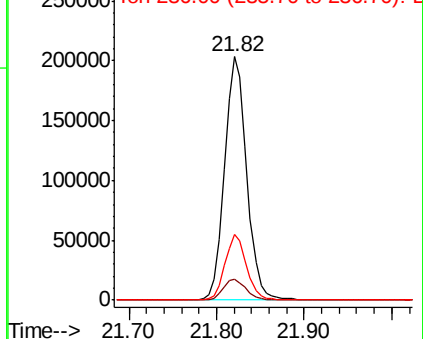


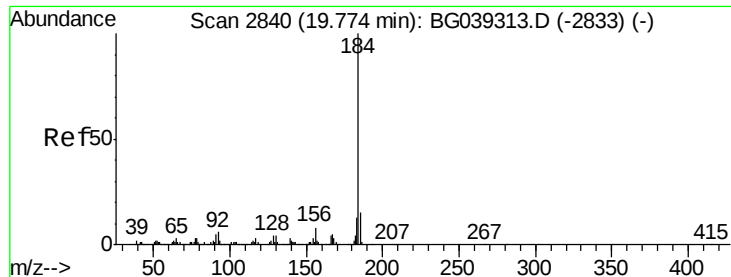
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.03 min
 Lab File: BG039655.D
 Acq: 28 Feb 2019 5:12

Tgt Ion:240 Resp: 353140
 Ion Ratio Lower Upper
 240 100
 120 8.7 7.0 10.6
 236 26.9 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: 2.178 ng

RT: 20.12 min Scan# 2900

Delta R.T. 0.35 min

Lab File: BG039655.D

Acq: 28 Feb 2019 5:12

Instrument :

BNA_G

ClientSampleId :

PL-02-022619-C

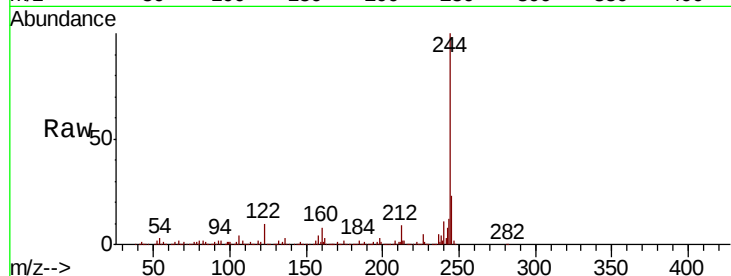
Tgt Ion:184 Resp: 25218

Ion Ratio Lower Upper

184 100

185 16.6 12.2 18.2

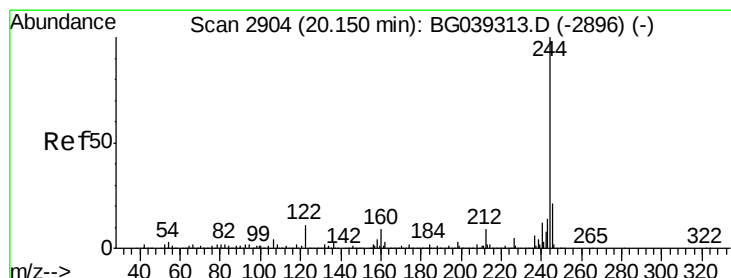
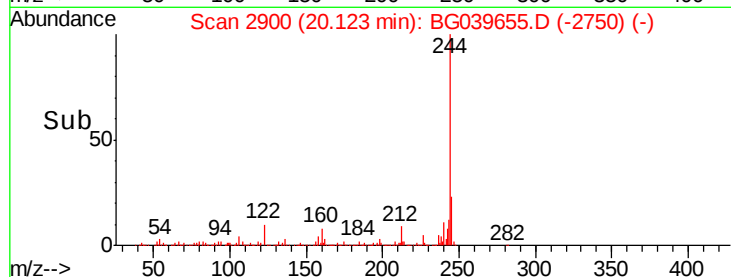
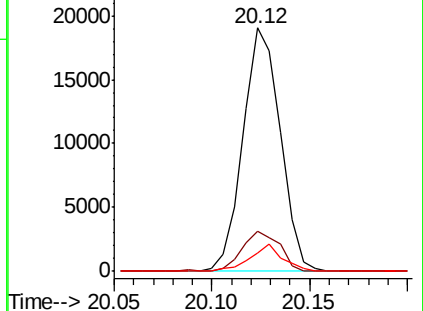
183 7.3 10.6 15.8#



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: 85.386 ng

RT: 20.12 min Scan# 2900

Delta R.T. -0.03 min

Lab File: BG039655.D

Acq: 28 Feb 2019 5:12

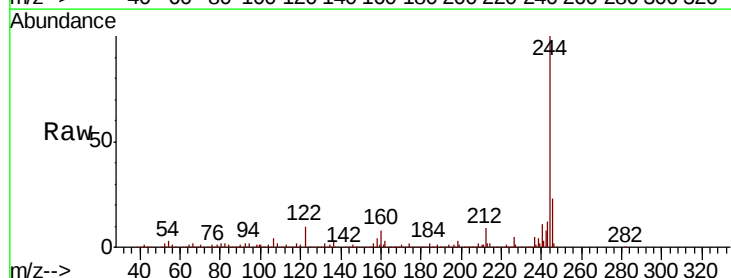
Tgt Ion:244 Resp: 1424547

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

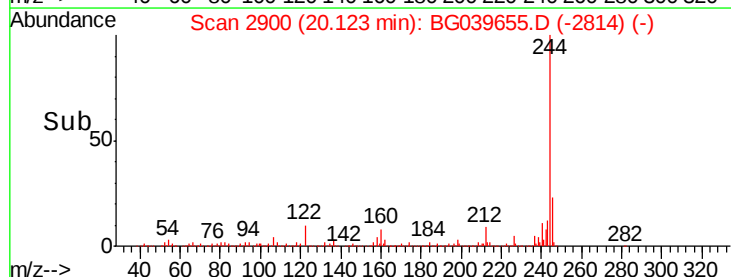
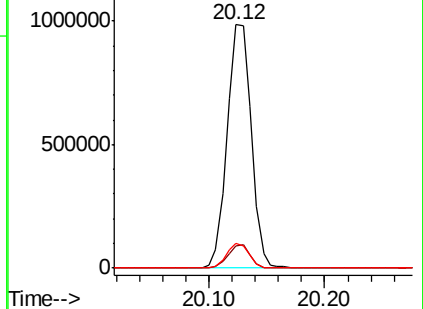
122 10.2 8.4 12.6

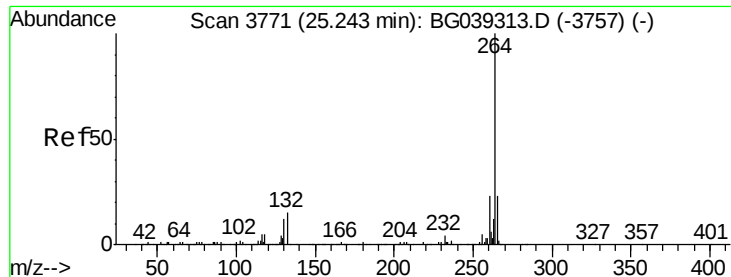


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

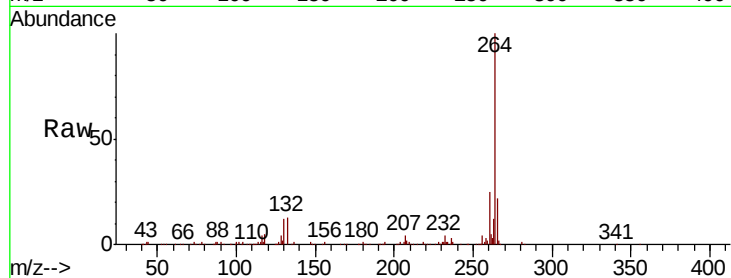




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.20 min Scan# 3764
Delta R.T. -0.04 min
Lab File: BG039655.D
Acq: 28 Feb 2019 5:12

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

Tgt Ion:	264	Resp:	338098
Ion	Ratio	Lower	Upper
264	100		
260	24.9	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

