

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022819\
 Data File : BG039673.D
 Acq On : 28 Feb 2019 23:32
 Operator : JU/SJ
 Sample : K1643-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 06:06:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	56716	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	241084	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	162709	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	377728	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	346327	20.00	ng	-0.03
87) Perylene-d12	25.20	264	360715	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	423678	127.85	ng	0.00
7) Phenol-d6	7.31	99	693106	142.09	ng	0.00
23) Nitrobenzene-d5	9.34	82	438077	113.52	ng	-0.02
42) 2,4,6-Tribromophenol	16.27	330	232587	132.75	ng	-0.02
45) 2-Fluorobiphenyl	13.41	172	1092417	96.31	ng	-0.02
79) Terphenyl-d14	20.13	244	1453925	88.86	ng	-0.02

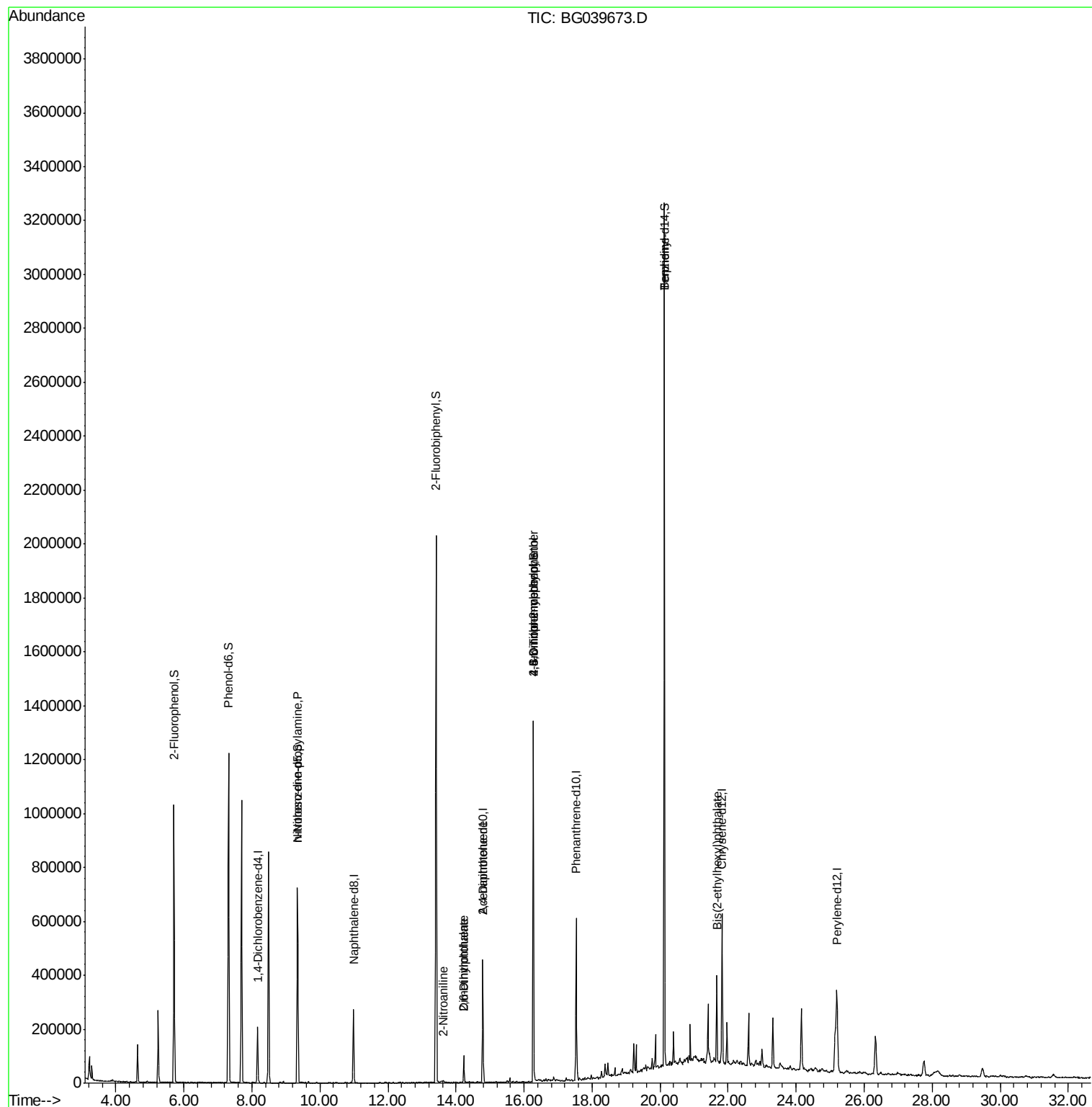
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1236	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	56025	16.182	ng	# 72
48) 2-Nitroaniline	13.62	65	78	8.318	ng	# 10
50) Dimethylphthalate	14.23	163	67909	5.168	ng	# 99
51) 2,6-Dinitrotoluene	14.23	165	760	6.826	ng	# 54
57) 2,4-Dinitrotoluene	14.79	165	21423	13.525	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.27	198	991	5.016	ng	# 1
67) 4-Bromophenyl-phenylether	16.27	248	18775	4.480	ng	# 1
77) Benzidine	20.13	184	27747	2.444	ng	# 92
84) Bis(2-ethylhexyl)phthalate	21.67	149	137234	10.577	ng	# 98

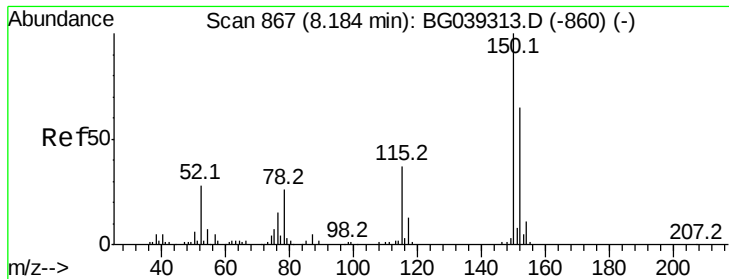
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022819\
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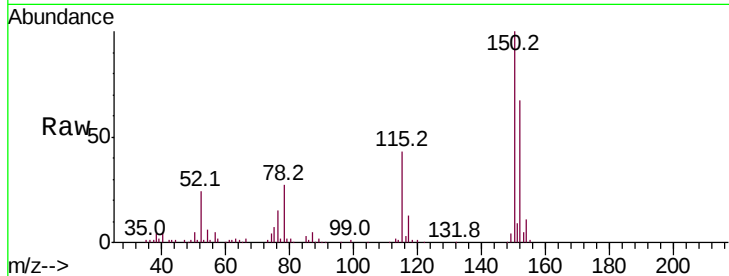


#1

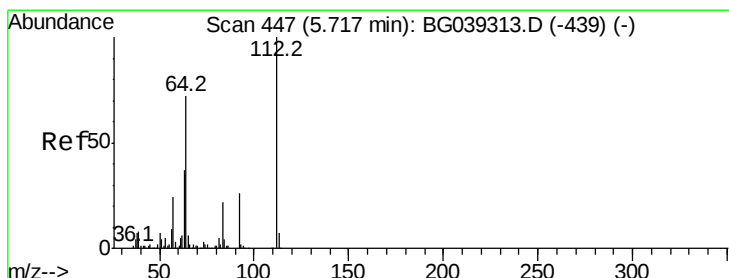
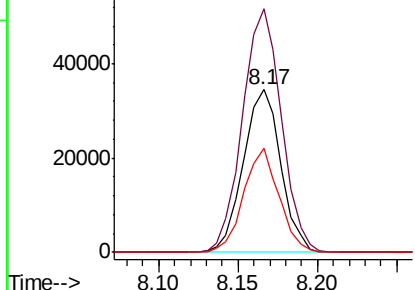
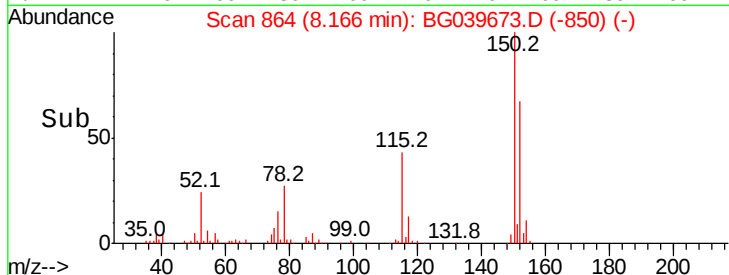
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 864
Delta R.T. -0.02 min
Lab File: BG039673.D
Acq: 28 Feb 2019 23:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 56716
Ion Ratio Lower Upper
152 100
150 149.5 123.7 185.5
115 64.0 45.9 68.9



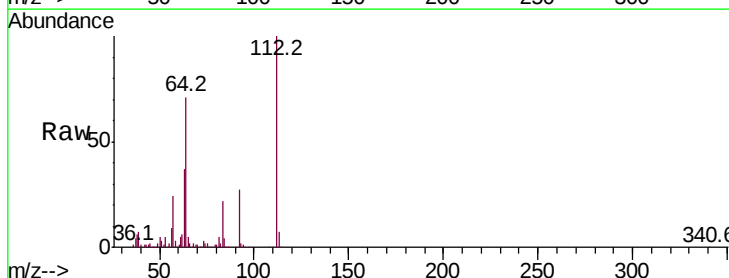
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



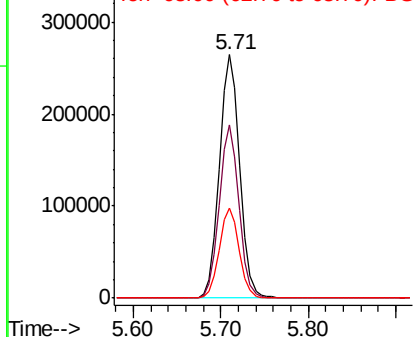
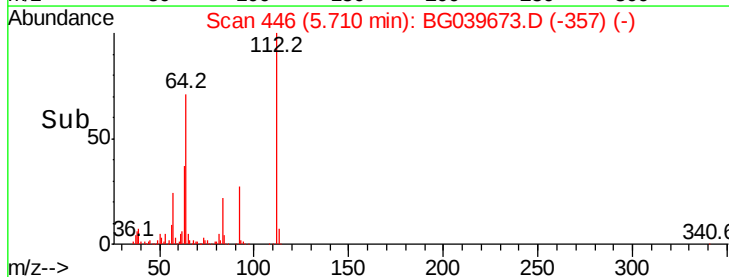
#5

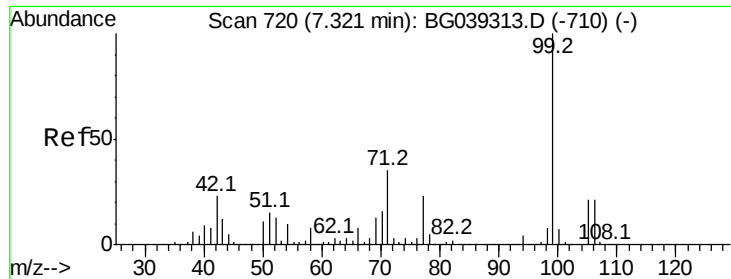
2-Fluorophenol
Concen: 127.853 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039673.D
Acq: 28 Feb 2019 23:32

Tgt Ion:112 Resp: 423678
Ion Ratio Lower Upper
112 100
64 71.0 57.8 86.8
63 37.0 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: 142.093 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039673.D

Acq: 28 Feb 2019 23:32

Instrument :

BNA_G

ClientSampled :

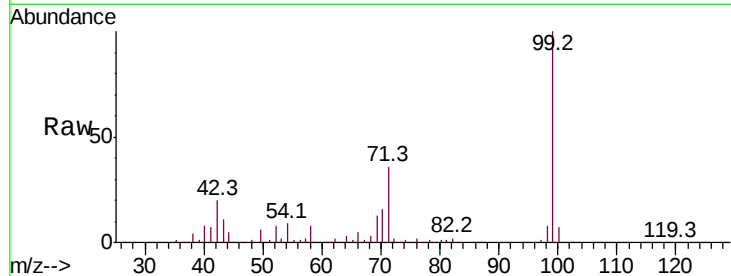
Tot Ion: 99 Resp: 693106

Ion Ratio Lower Upper

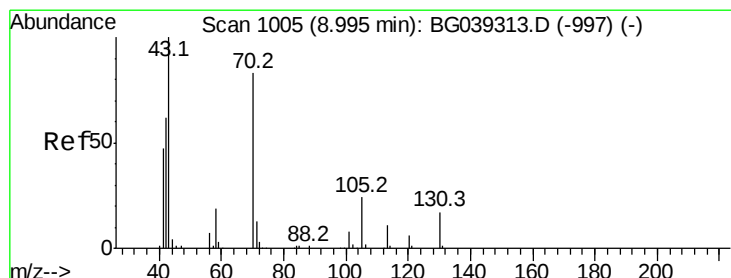
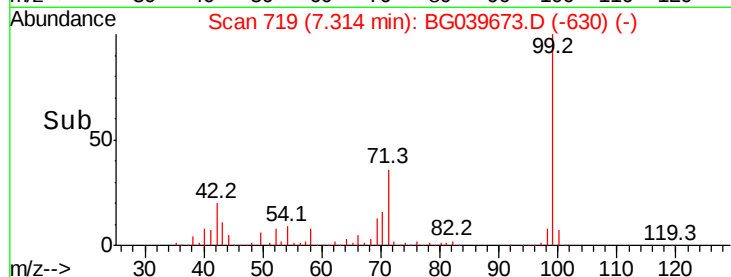
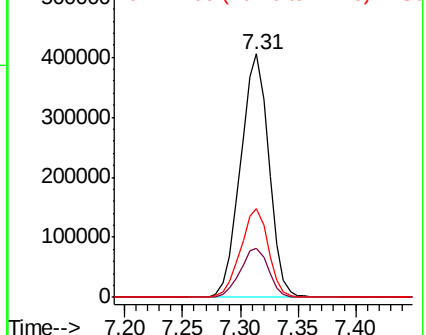
99 100

42 20.1 18.2 27.2

71 36.5 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.182 ng

RT: 9.34 min Scan# 1064

Delta R.T. 0.35 min

Lab File: BG039673.D

Acq: 28 Feb 2019 23:32

Tgt Ion: 70 Resp: 56025

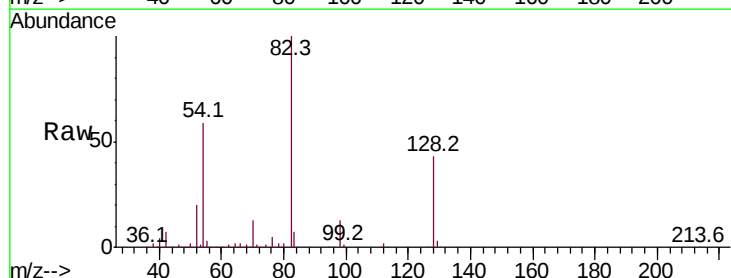
Ion Ratio Lower Upper

70 100

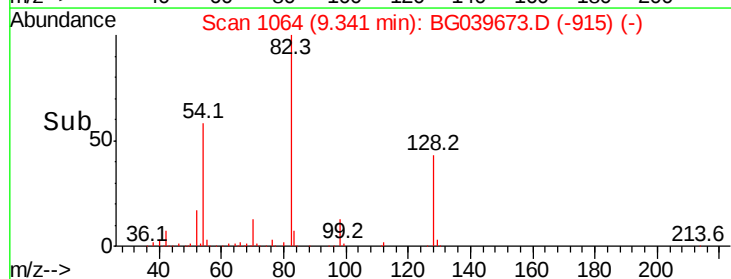
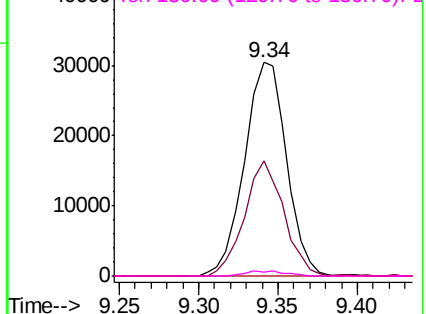
42 54.0 60.4 90.6#

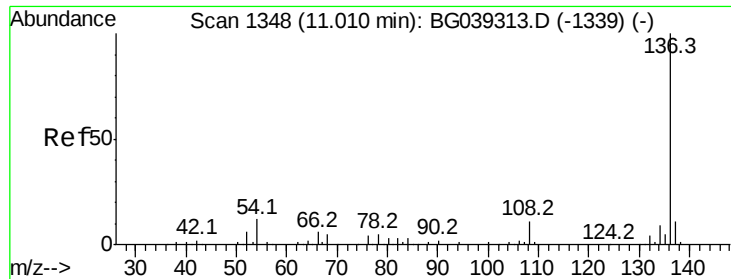
101 0.0 7.5 11.3#

130 2.0 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

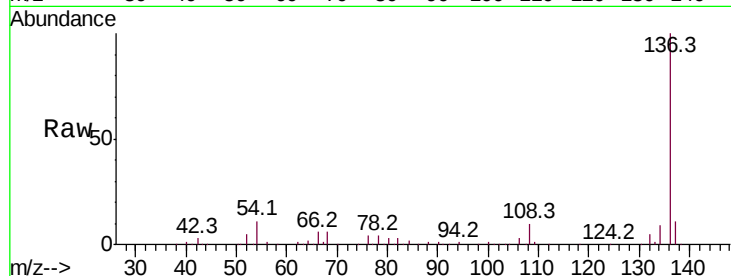




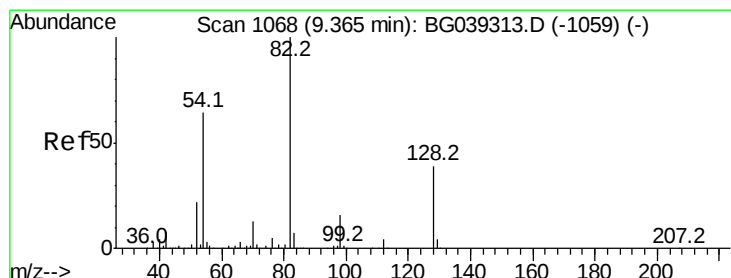
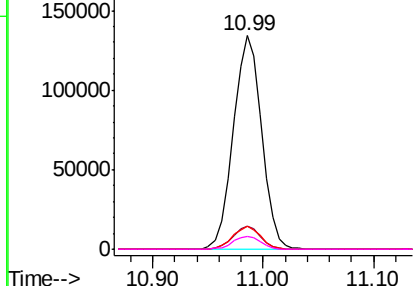
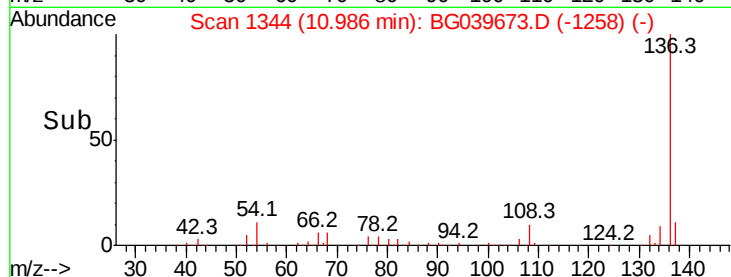
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1344
Delta R.T. -0.02 min
Lab File: BG039673.D
Acq: 28 Feb 2019 23:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	241084
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	10.9	9.4	14.2
68	5.7	4.2	6.4

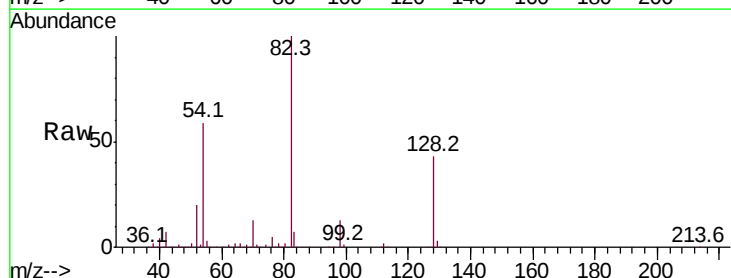


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

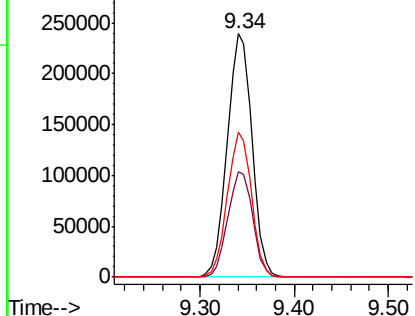
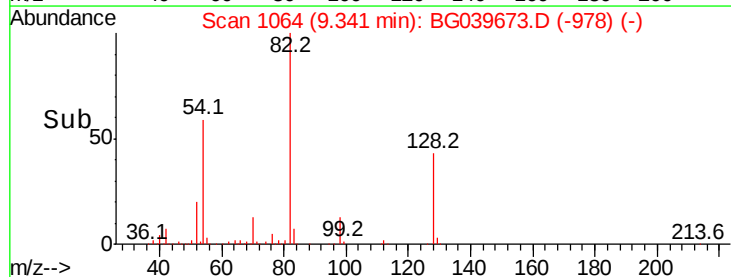


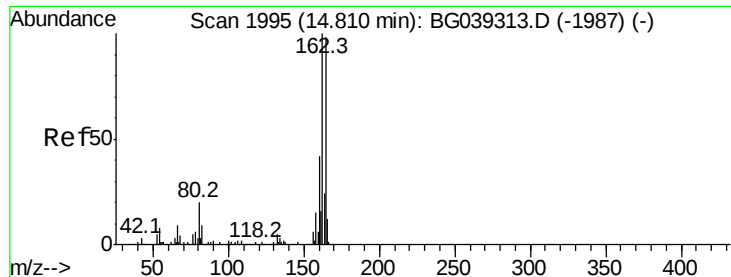
#23
Nitrobenzene-d5
Concen: 113.518 ng
RT: 9.34 min Scan# 1064
Delta R.T. -0.02 min
Lab File: BG039673.D
Acq: 28 Feb 2019 23:32

Tgt Ion:	82	Resp:	438077
Ion	Ratio	Lower	Upper
82	100		
128	43.1	31.3	46.9
54	59.3	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.02 min

Lab File: BG039673.D

Acq: 28 Feb 2019 23:32

Instrument :

BNA_G

ClientSampleId :

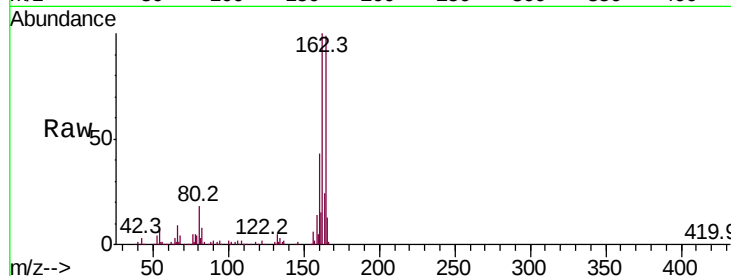
Tot Ion:164 Resp: 162709

Ion Ratio Lower Upper

164 100

162 101.3 81.6 122.4

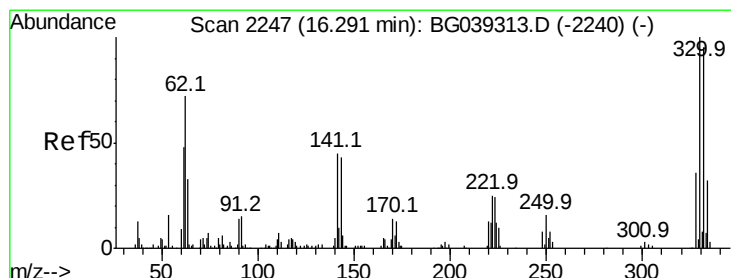
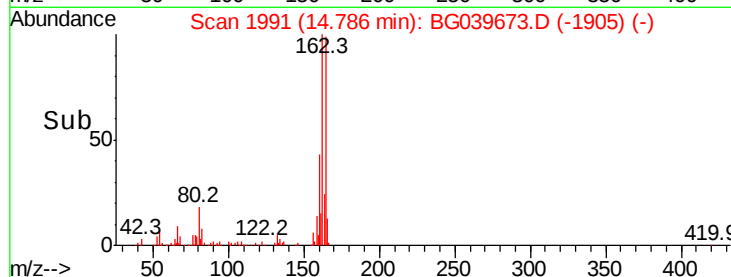
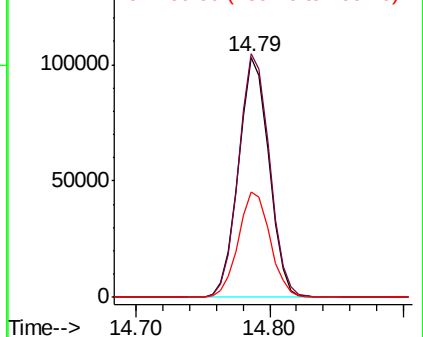
160 43.6 34.2 51.2



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: 132.748 ng

RT: 16.27 min Scan# 2244

Delta R.T. -0.02 min

Lab File: BG039673.D

Acq: 28 Feb 2019 23:32

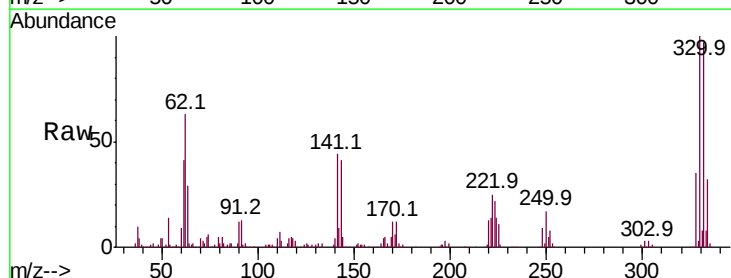
Tgt Ion:330 Resp: 232587

Ion Ratio Lower Upper

330 100

332 96.6 75.7 113.5

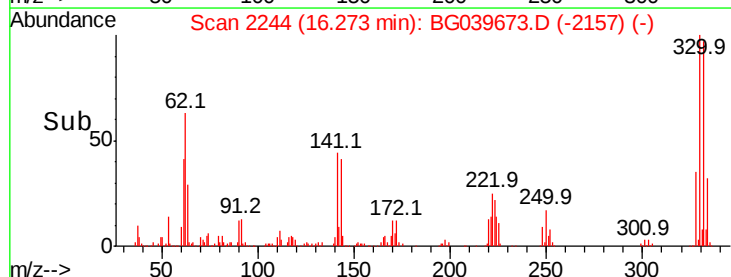
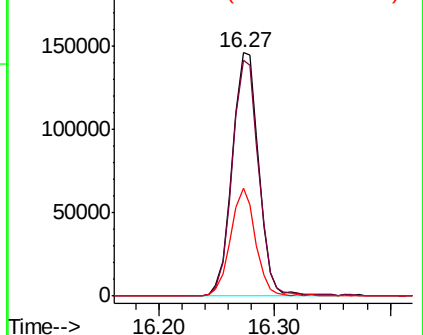
141 41.3 35.6 53.4

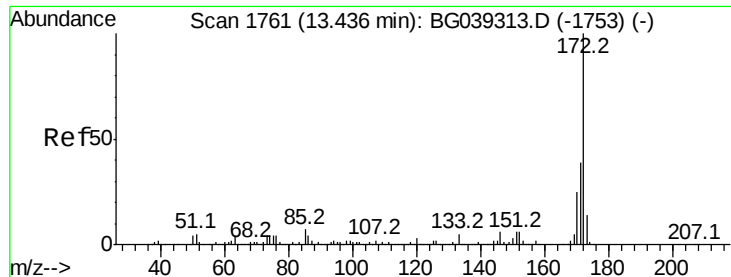


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

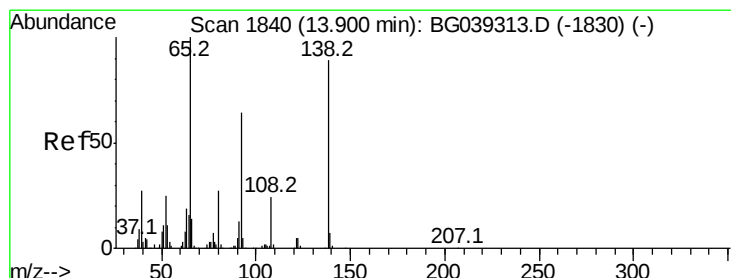
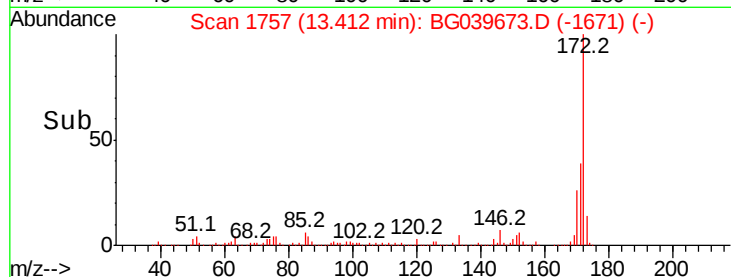
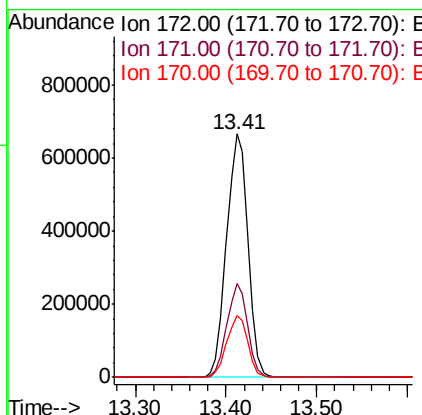
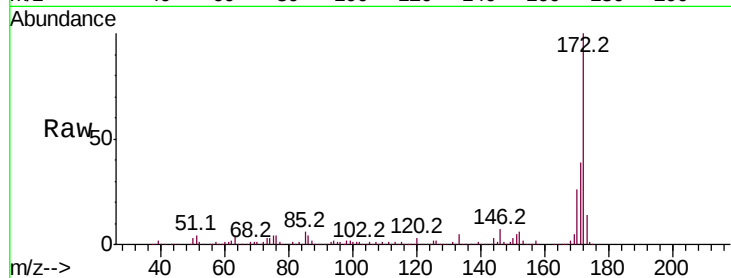




#45
 2-Fluorobiphenyl
 Concen: 96.315 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.02 min
 Lab File: BG039673.D
 Acq: 28 Feb 2019 23:32

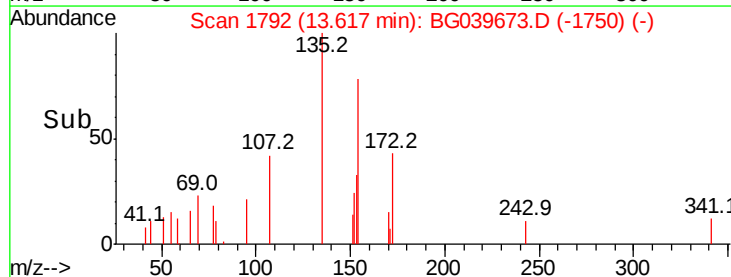
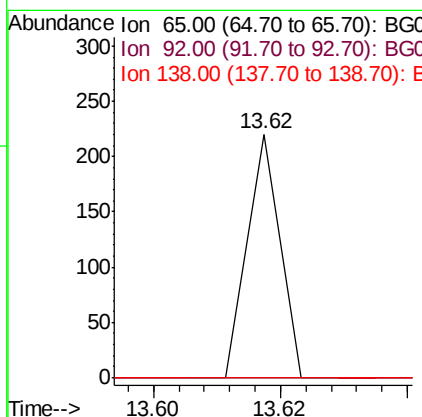
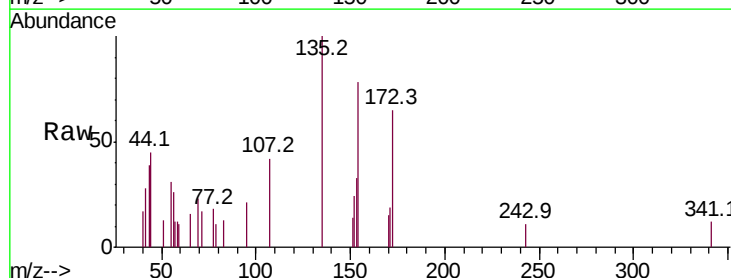
Instrument :
 BNA_G
 ClientSampled :

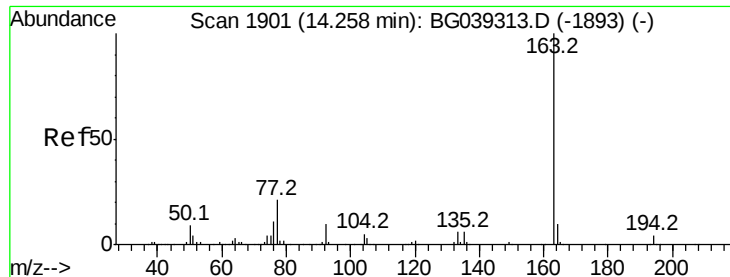
Tot Ion:172 Resp: 1092417
 Ion Ratio Lower Upper
 172 100
 171 38.8 30.8 46.2
 170 25.6 20.2 30.4



#48
 2-Nitroaniline
 Concen: 8.318 ng
 RT: 13.62 min Scan# 1792
 Delta R.T. -0.28 min
 Lab File: BG039673.D
 Acq: 28 Feb 2019 23:32

Tgt Ion: 65 Resp: 78
 Ion Ratio Lower Upper
 65 100
 92 0.0 51.4 77.2#
 138 0.0 71.4 107.2#





#50

Dimethylphthalate

Concen: 5.168 ng

RT: 14.23 min Scan# 1896

Delta R.T. -0.03 min

Lab File: BG039673.D

Acq: 28 Feb 2019 23:32

Instrument :

BNA_G

ClientSampleId :

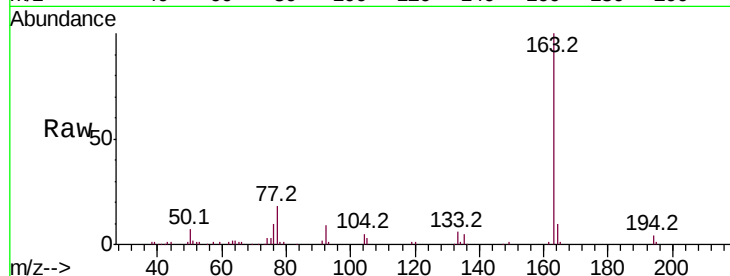
Tot Ion:163 Resp: 67909

Ion Ratio Lower Upper

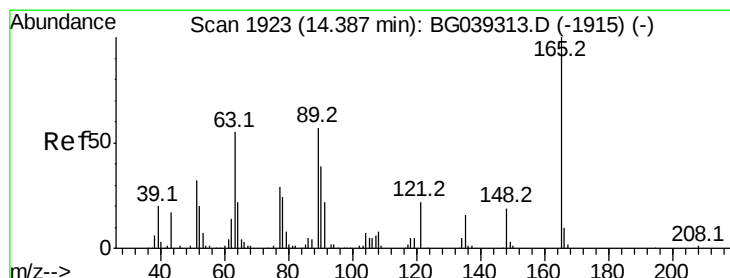
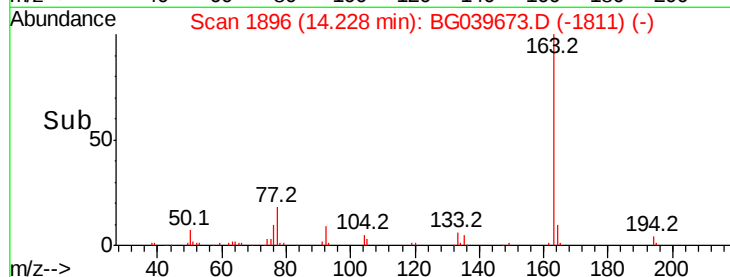
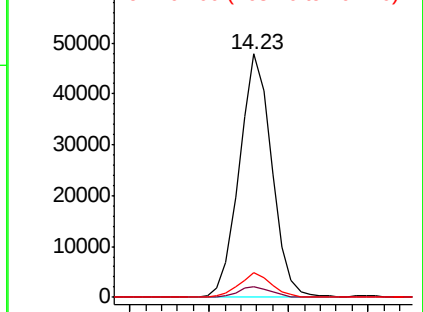
163 100

194 4.3 3.6 5.4

164 10.2 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 6.826 ng

RT: 14.23 min Scan# 1897

Delta R.T. -0.15 min

Lab File: BG039673.D

Acq: 28 Feb 2019 23:32

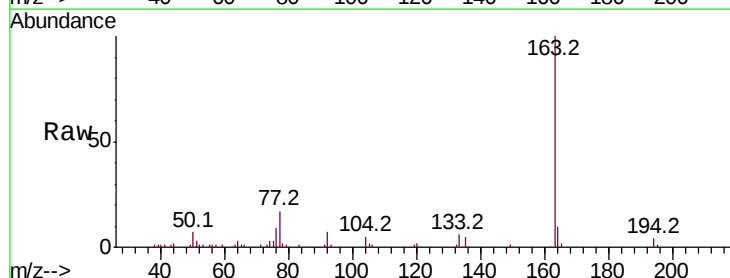
Tgt Ion:165 Resp: 760

Ion Ratio Lower Upper

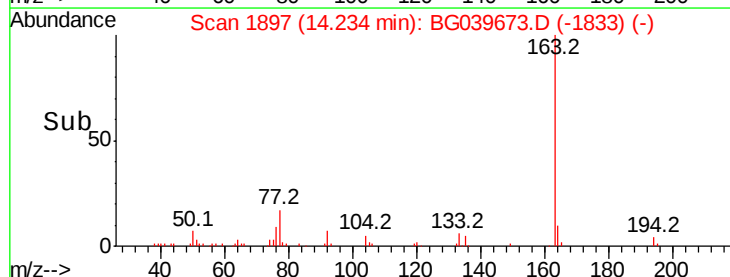
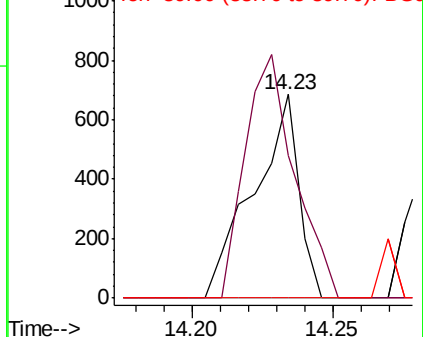
165 100

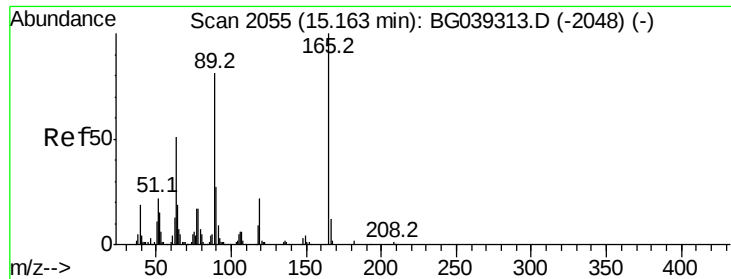
63 70.1 47.0 70.6

89 0.0 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

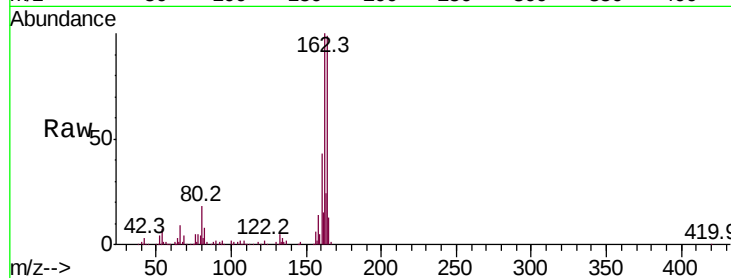




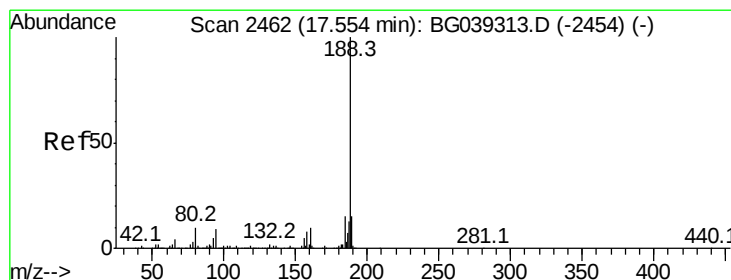
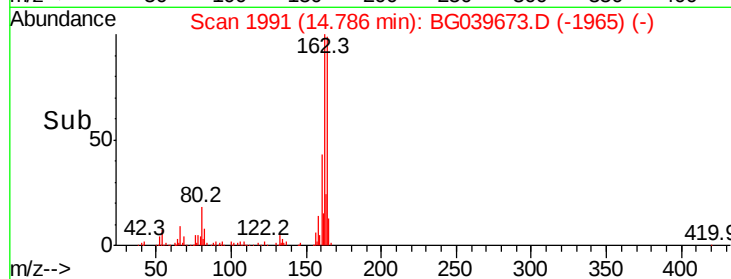
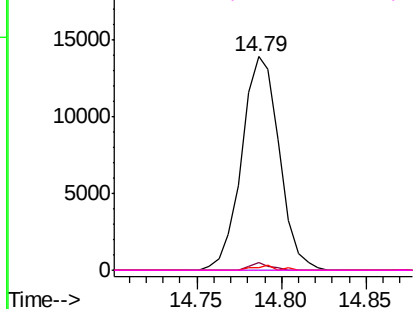
#57
 2,4-Dinitrotoluene
 Concen: 13.525 ng
 RT: 14.79 min Scan# 1991
 Delta R.T. -0.38 min
 Lab File: BG039673.D
 Acq: 28 Feb 2019 23:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 21423
 Ion Ratio Lower Upper
 165 100
 63 3.5 41.0 61.6#
 89 1.2 64.6 96.8#
 182 0.0 2.0 3.0#

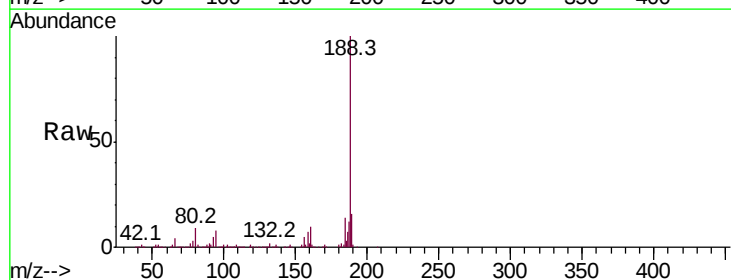


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

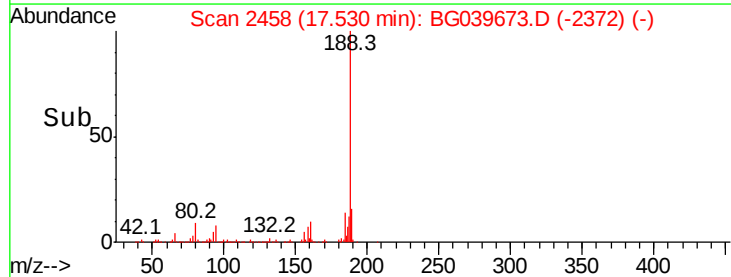
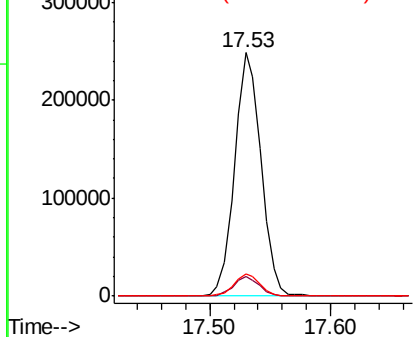


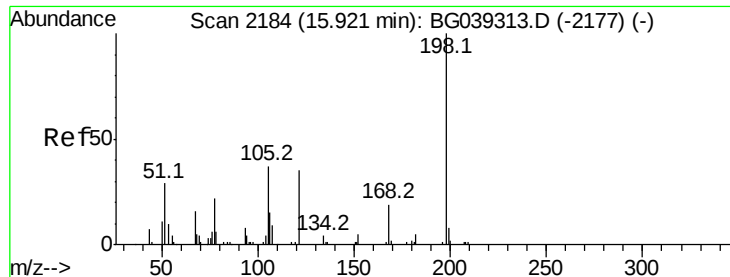
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.53 min Scan# 2458
 Delta R.T. -0.02 min
 Lab File: BG039673.D
 Acq: 28 Feb 2019 23:32

Tgt Ion:188 Resp: 377728
 Ion Ratio Lower Upper
 188 100
 94 7.9 6.9 10.3
 80 8.9 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 5.016 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.35 min

Lab File: BG039673.D

Acq: 28 Feb 2019 23:32

Instrument :

BNA_G

ClientSampled :

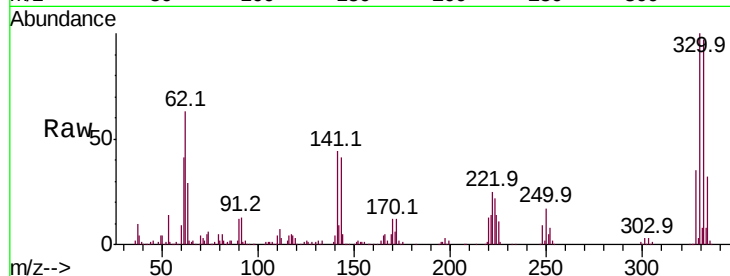
Tot Ion:198 Resp: 991

Ion Ratio Lower Upper

198 100

51 109.5 27.4 67.4#

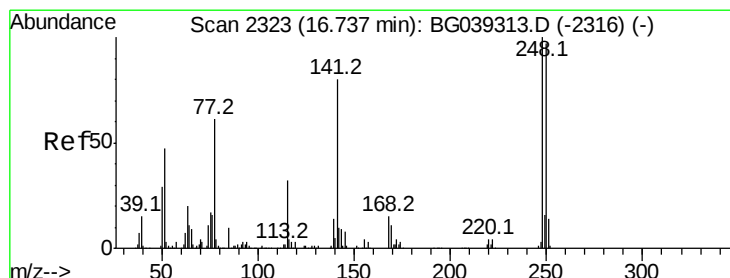
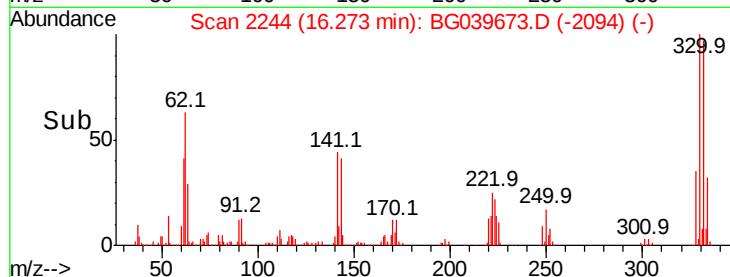
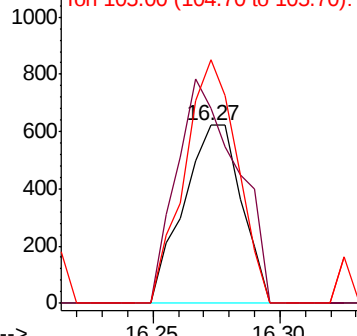
105 136.8 19.7 59.7#



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: 4.480 ng

RT: 16.27 min Scan# 2244

Delta R.T. -0.46 min

Lab File: BG039673.D

Acq: 28 Feb 2019 23:32

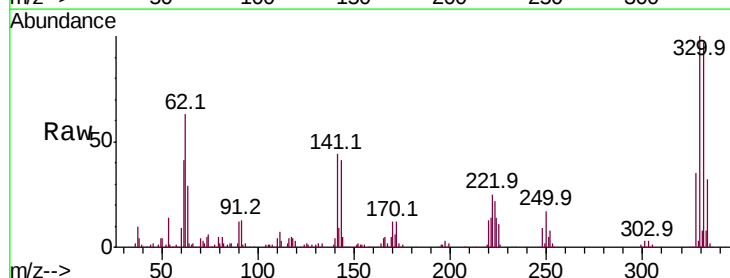
Tgt Ion:248 Resp: 18775

Ion Ratio Lower Upper

248 100

250 194.4 77.6 116.4#

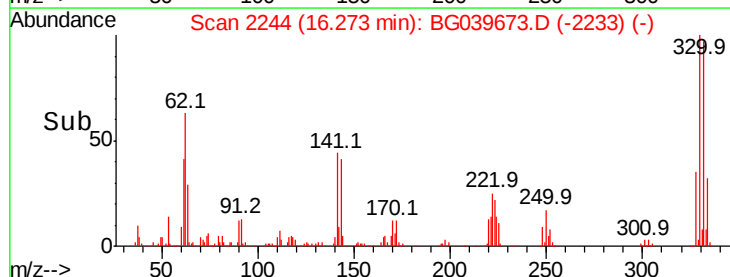
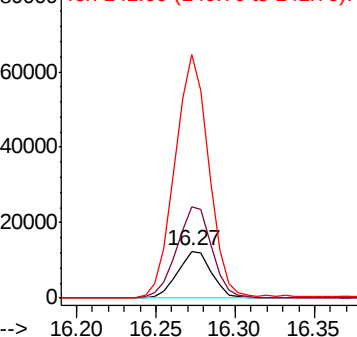
141 517.6 63.9 95.9#

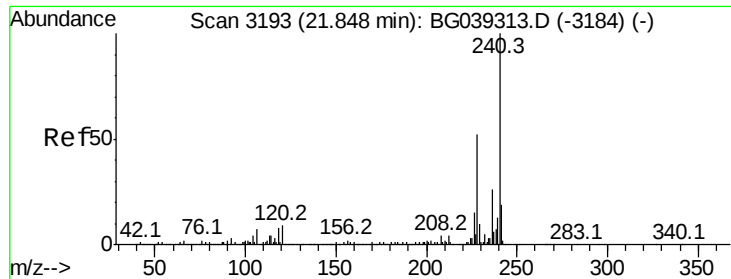


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3188

Delta R.T. -0.03 min

Lab File: BG039673.D

Acq: 28 Feb 2019 23:32

Instrument :

BNA_G

ClientSampleId :

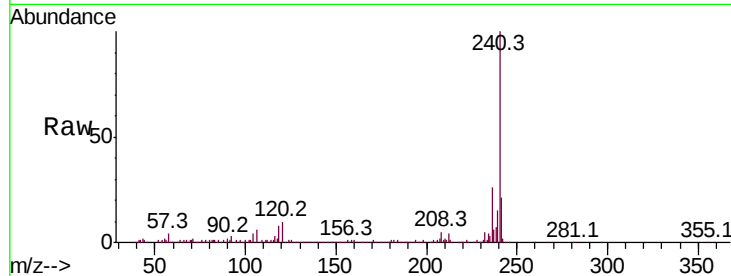
Tot Ion:240 Resp: 346327

Ion Ratio Lower Upper

240 100

120 9.8 7.0 10.6

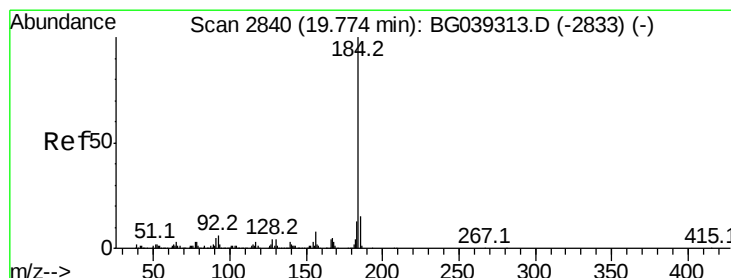
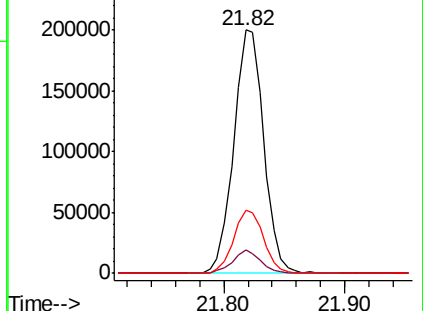
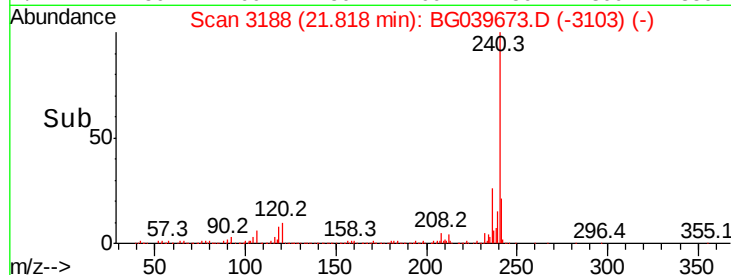
236 25.9 21.0 31.4



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: 2.444 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.35 min

Lab File: BG039673.D

Acq: 28 Feb 2019 23:32

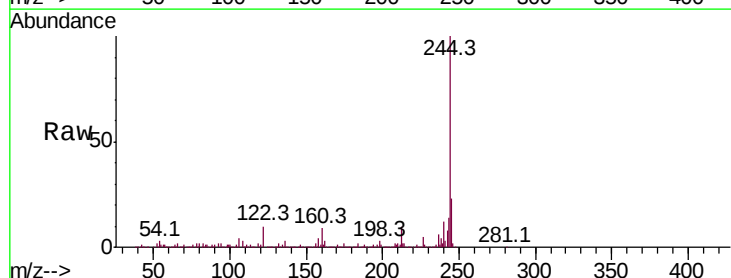
Tgt Ion:184 Resp: 27747

Ion Ratio Lower Upper

184 100

185 17.1 12.2 18.2

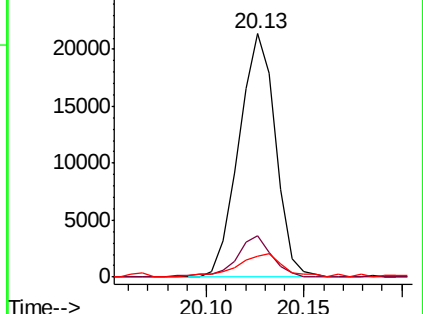
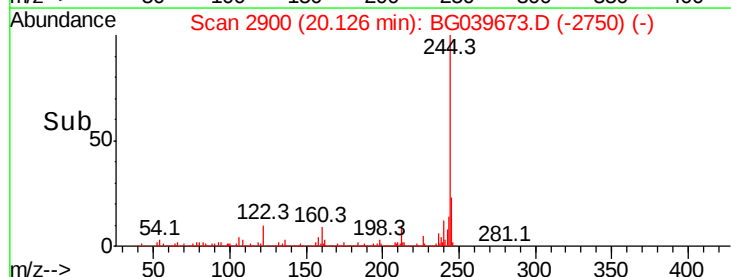
183 8.7 10.6 15.8#

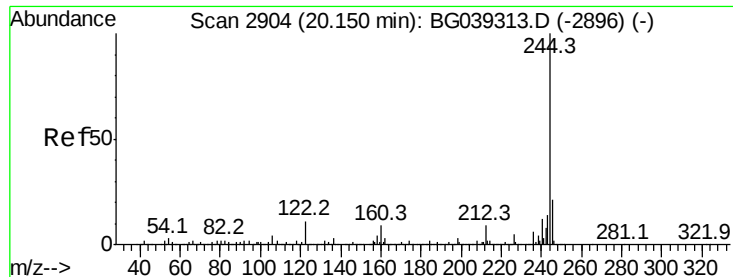


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



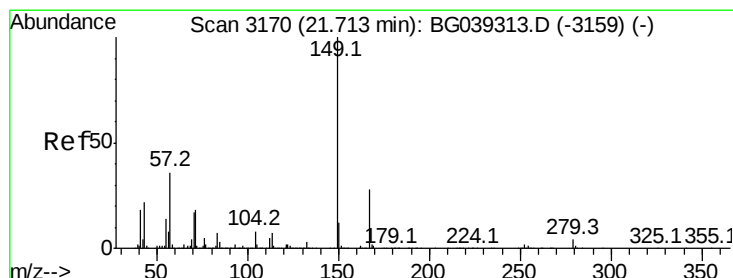
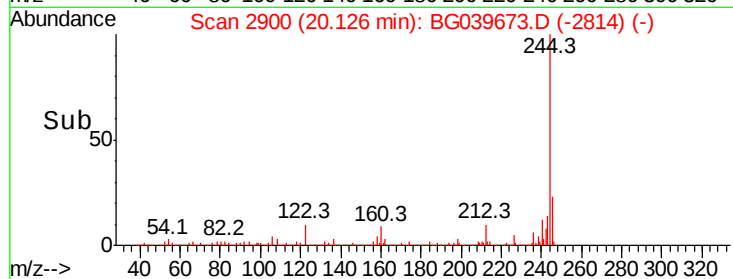
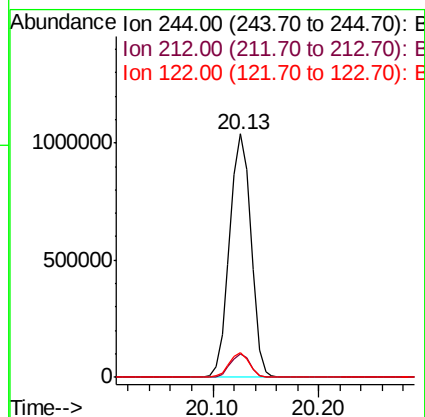
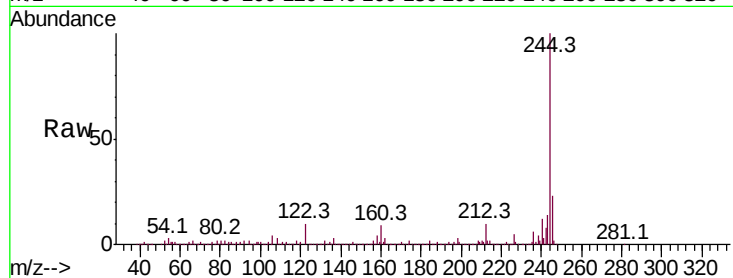


#79
 Terphenyl-d14
 Concen: 88.861 ng
 RT: 20.13 min Scan# 2900
 Delta R.T. -0.02 min
 Lab File: BG039673.D
 Acq: 28 Feb 2019 23:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1453925

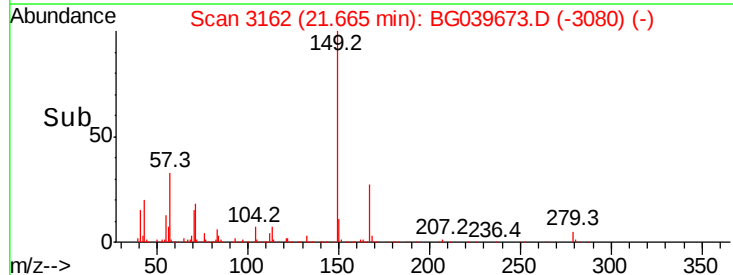
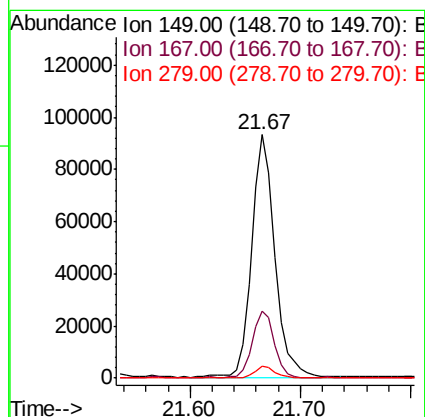
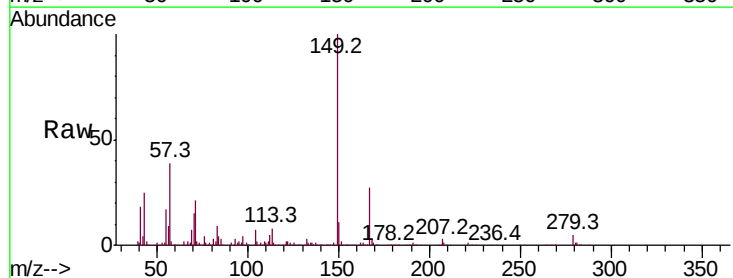
Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.3	10.9
122	10.0	8.4	12.6

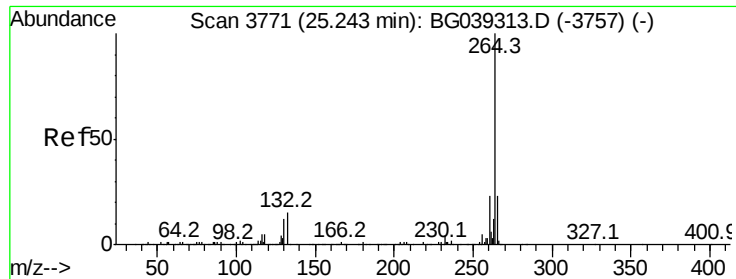


#84
 Bis(2-ethylhexyl)phthalate
 Concen: 10.577 ng
 RT: 21.67 min Scan# 3162
 Delta R.T. -0.05 min
 Lab File: BG039673.D
 Acq: 28 Feb 2019 23:32

Tgt Ion:149 Resp: 137234

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.6	34.0
279	4.8	3.5	5.3





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.20 min Scan# 3764
 Delta R.T. -0.04 min
 Lab File: BG039673.D
 Acq: 28 Feb 2019 23:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.2	27.4
265	21.5	18.5	27.7

