

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022819\
 Data File : BG039665.D
 Acq On : 28 Feb 2019 18:19
 Operator : JU/SJ
 Sample : K1628-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 06:04:23 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	44956	20.00	ng	-0.01
21) Naphthalene-d8	10.98	136	212880	20.00	ng	-0.03
39) Acenaphthene-d10	14.78	164	167197	20.00	ng	-0.03
64) Phenanthrene-d10	17.53	188	441279	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	349174	20.00	ng	-0.03
87) Perylene-d12	25.19	264	348681	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	408807	155.64	ng	0.00
7) Phenol-d6	7.31	99	628847	162.64	ng	0.00
23) Nitrobenzene-d5	9.34	82	361245	106.01	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	275576	153.06	ng	-0.01
45) 2-Fluorobiphenyl	13.41	172	880072	75.51	ng	-0.03
79) Terphenyl-d14	20.12	244	1289822	78.19	ng	-0.03

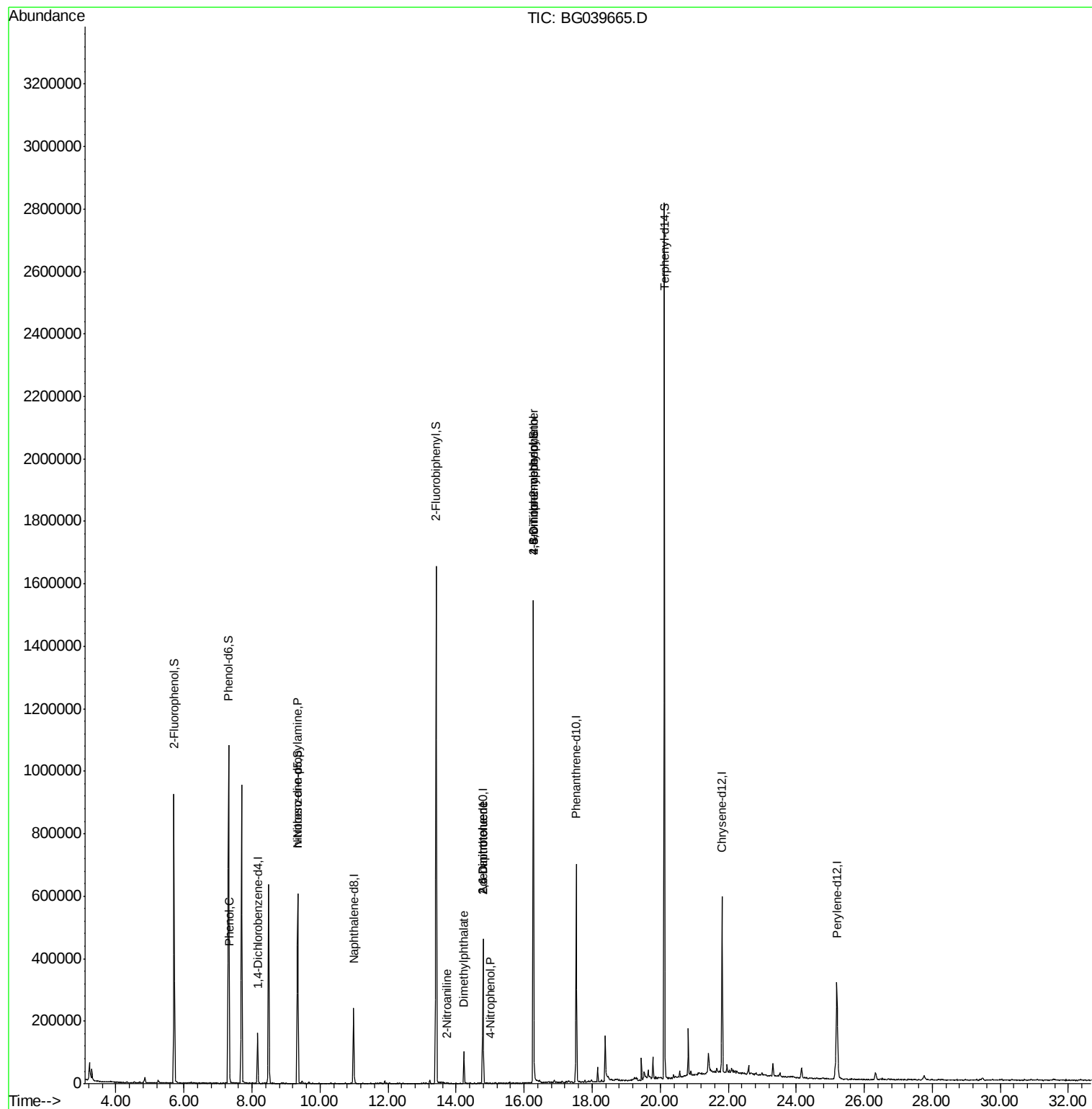
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1272	Below Cal		# 4
10) Phenol	7.34	94	14146	3.510	ng	# 81
19) n-Nitroso-di-n-propylamine	9.34	70	48237	17.578	ng	# 68
48) 2-Nitroaniline	13.71	65	57	8.312	ng	# 10
50) Dimethylphthalate	14.23	163	72971	5.404	ng	# 98
51) 2,6-Dinitrotoluene	14.78	165	21581	13.942	ng	# 24
56) 4-Nitrophenol	15.02	139	73	5.822	ng	# 1
57) 2,4-Dinitrotoluene	14.78	165	21581	13.413	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.27	198	1144	5.006	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	21100	4.310	ng	# 1

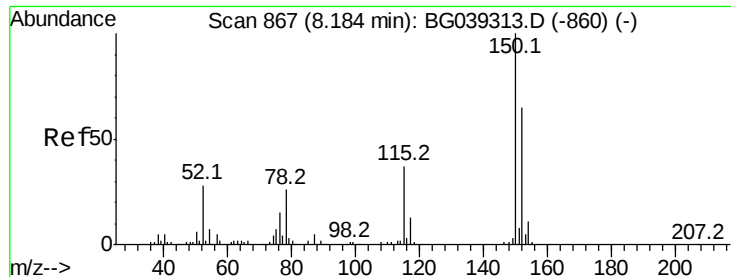
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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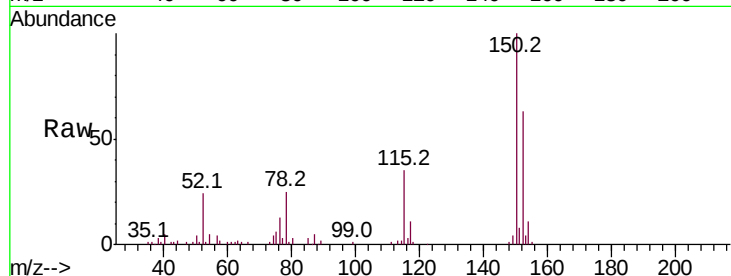


#1

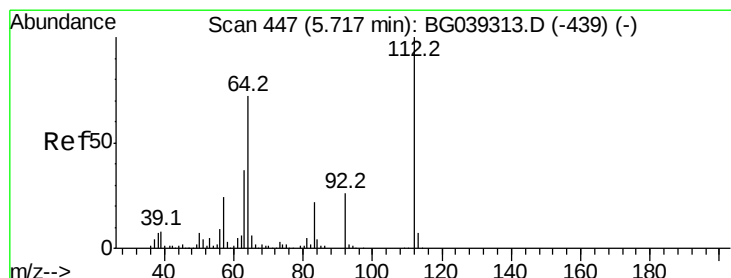
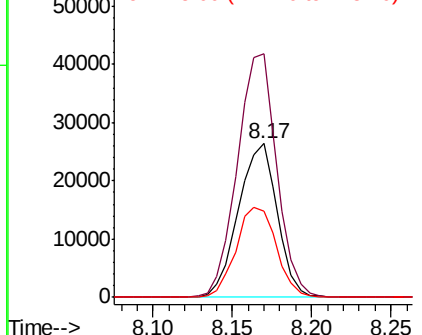
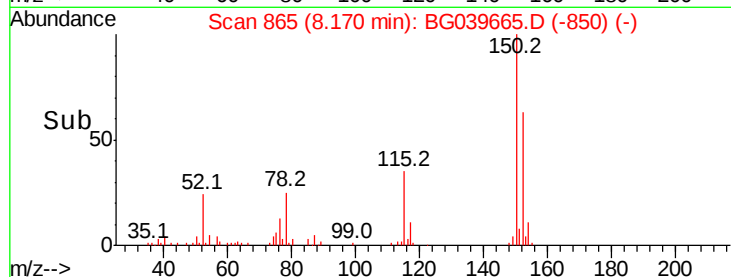
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039665.D
Acq: 28 Feb 2019 18:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 44956
Ion Ratio Lower Upper
152 100
150 158.4 123.7 185.5
115 56.1 45.9 68.9



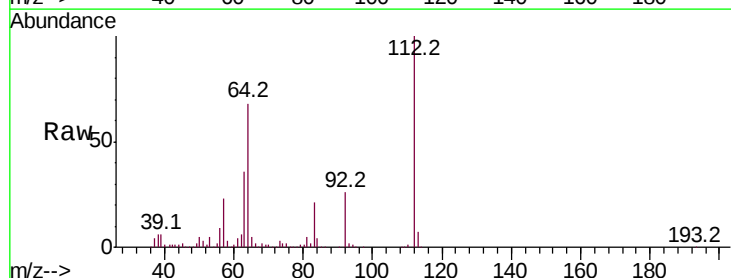
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



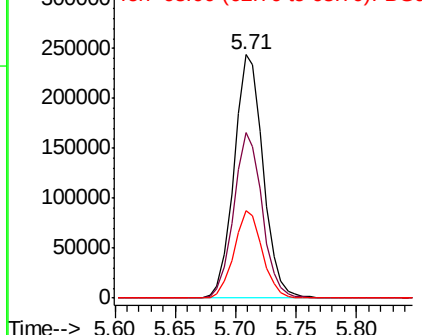
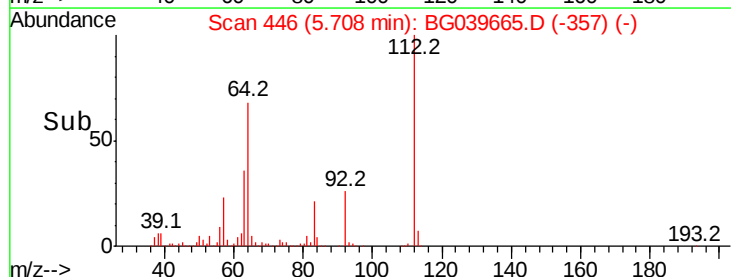
#5

2-Fluorophenol
Concen: 155.636 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039665.D
Acq: 28 Feb 2019 18:19

Tgt Ion:112 Resp: 408807
Ion Ratio Lower Upper
112 100
64 68.2 57.8 86.8
63 36.0 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: 162.644 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039665.D

Acq: 28 Feb 2019 18:19

Instrument :

BNA_G

ClientSampled :

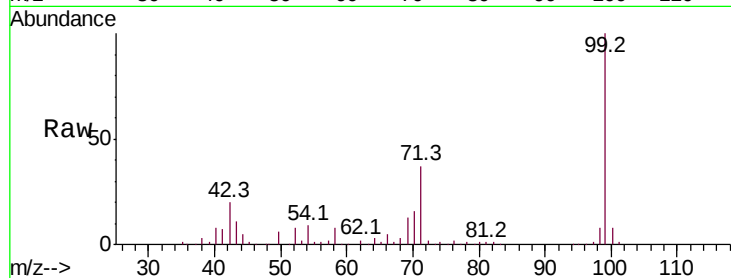
Tot Ion: 99 Resp: 628847

Ion Ratio Lower Upper

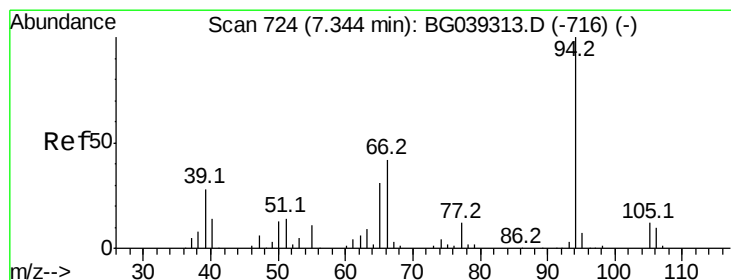
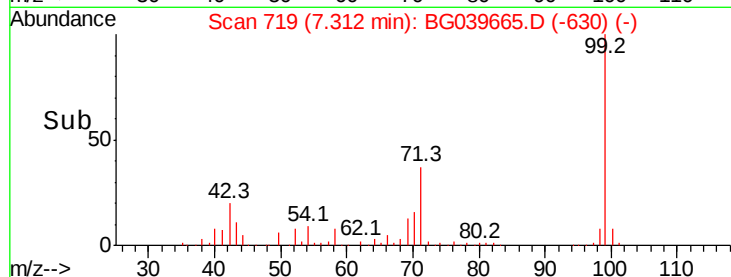
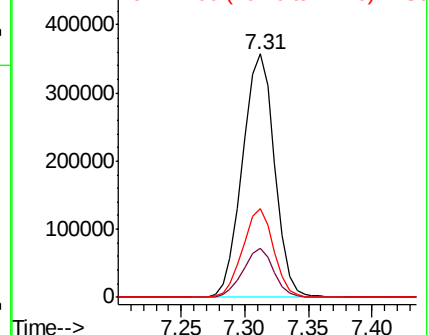
99 100

42 19.9 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



#10

Phenol

Concen: 3.510 ng

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BG039665.D

Acq: 28 Feb 2019 18:19

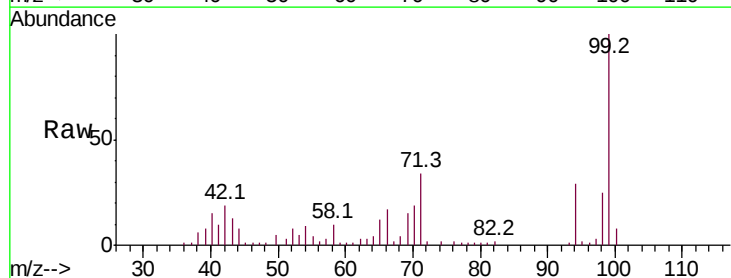
Tgt Ion: 94 Resp: 14146

Ion Ratio Lower Upper

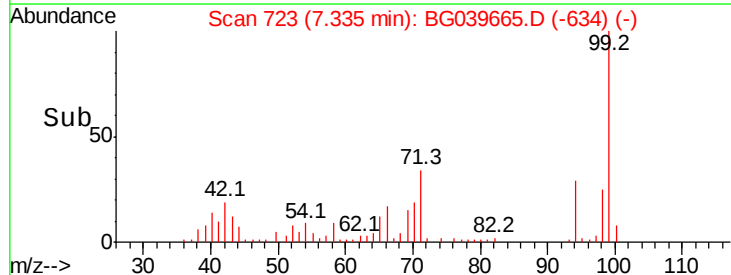
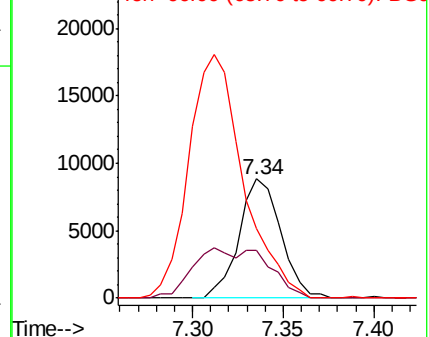
94 100

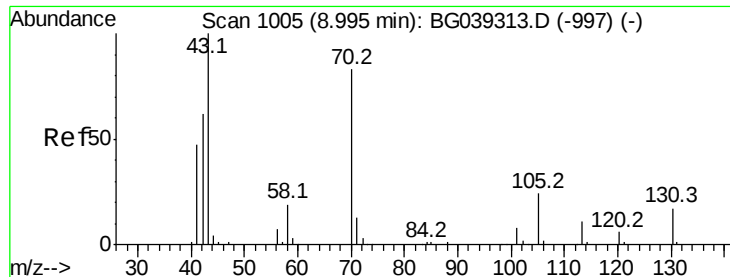
65 40.0 11.7 51.7

66 58.3 23.7 63.7



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

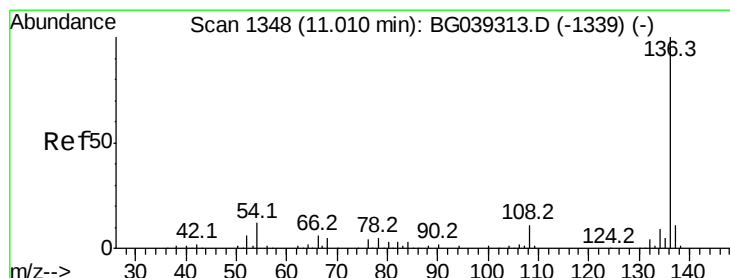
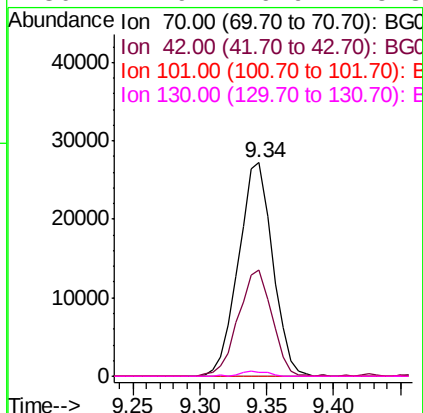
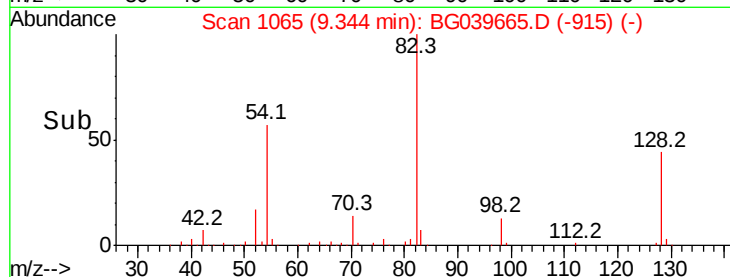
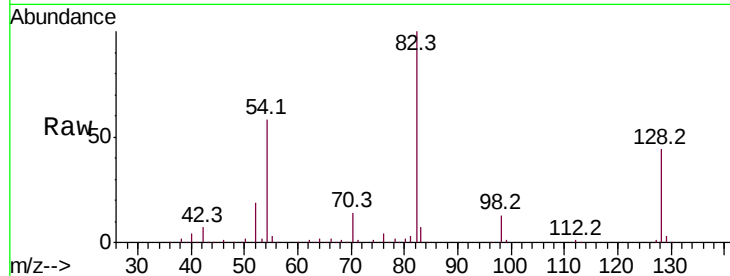




#19
n-Nitroso-di-n-propylamine
Concen: 17.578 ng
RT: 9.34 min Scan# 1065
Delta R.T. 0.35 min
Lab File: BG039665.D
Acq: 28 Feb 2019 18:19

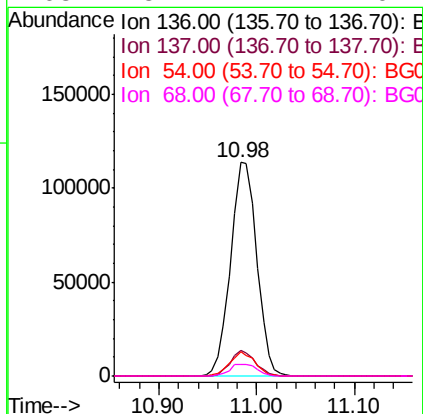
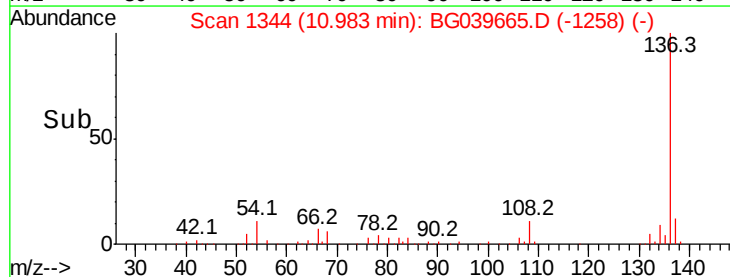
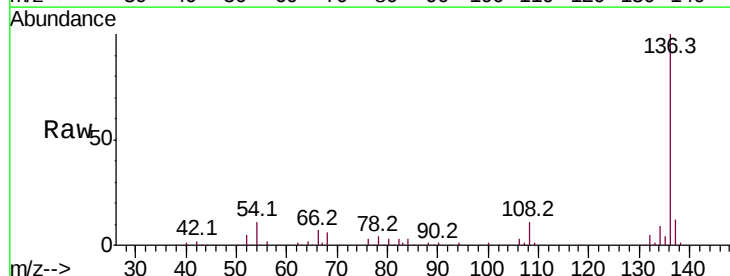
Instrument :
BNA_G
ClientSampled :

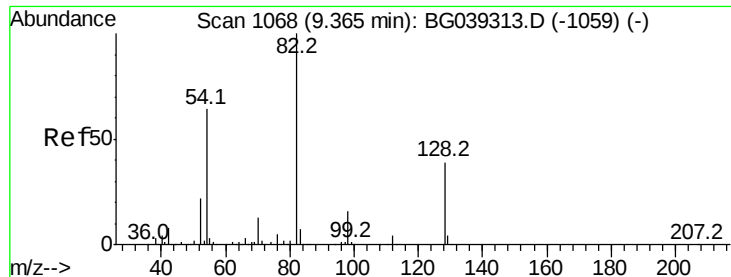
Tot Ion: 70 Resp: 48237
Ion Ratio Lower Upper
70 100
42 49.5 60.4 90.6#
101 0.0 7.5 11.3#
130 1.9 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1344
Delta R.T. -0.03 min
Lab File: BG039665.D
Acq: 28 Feb 2019 18:19

Tgt Ion: 136 Resp: 212880
Ion Ratio Lower Upper
136 100
137 12.0 9.1 13.7
54 11.2 9.4 14.2
68 5.7 4.2 6.4

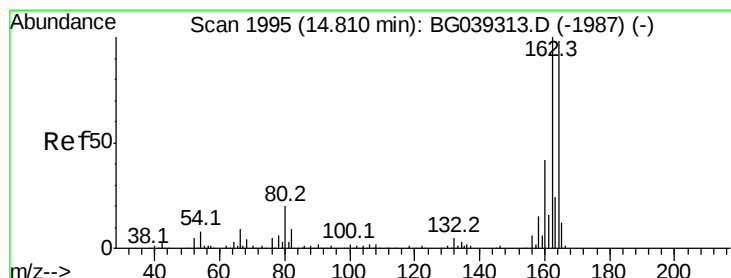
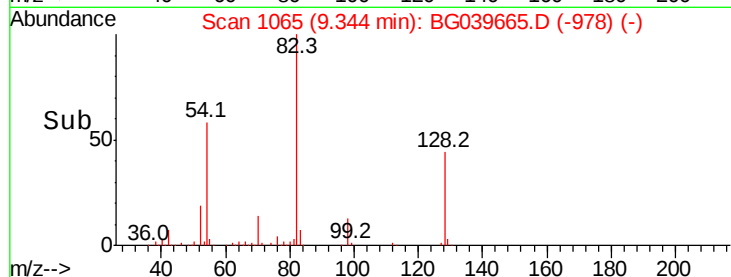
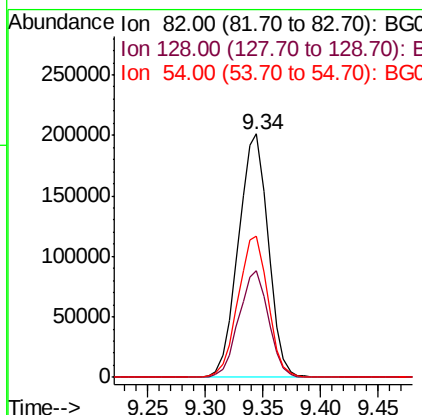
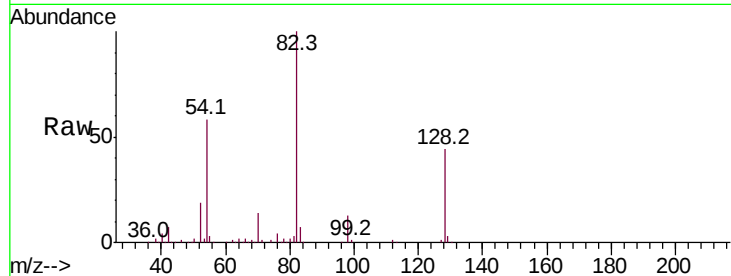




#23
 Nitrobenzene-d5
 Concen: 106.011 ng
 RT: 9.34 min Scan# 1065
 Delta R.T. -0.02 min
 Lab File: BG039665.D
 Acq: 28 Feb 2019 18:19

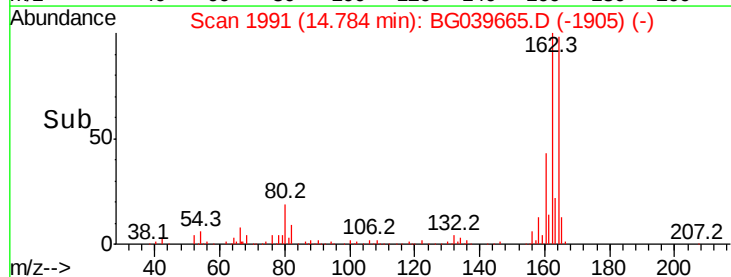
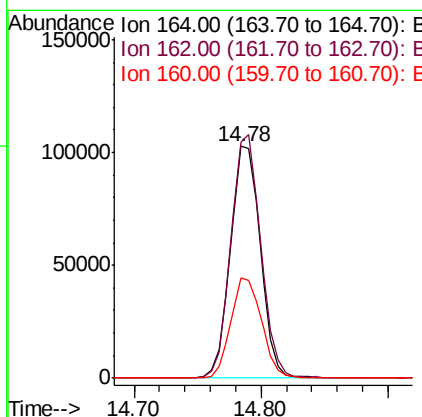
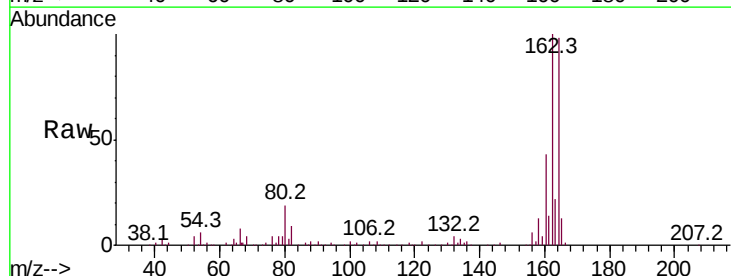
Instrument :
 BNA_G
 ClientSampled :

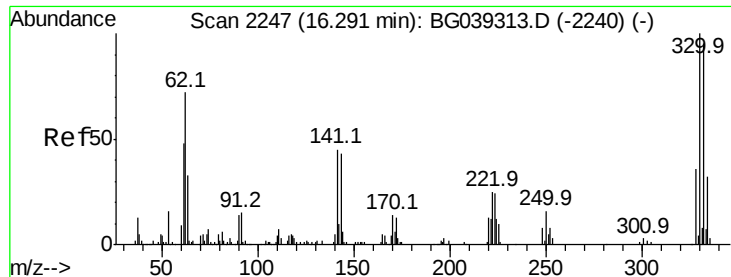
Tot Ion: 82 Resp: 361245
 Ion Ratio Lower Upper
 82 100
 128 43.8 31.3 46.9
 54 57.8 50.9 76.3



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.78 min Scan# 1991
 Delta R.T. -0.03 min
 Lab File: BG039665.D
 Acq: 28 Feb 2019 18:19

Tgt Ion:164 Resp: 167197
 Ion Ratio Lower Upper
 164 100
 162 101.8 81.6 122.4
 160 43.5 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 153.062 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039665.D

Acq: 28 Feb 2019 18:19

Instrument :

BNA_G

ClientSampled :

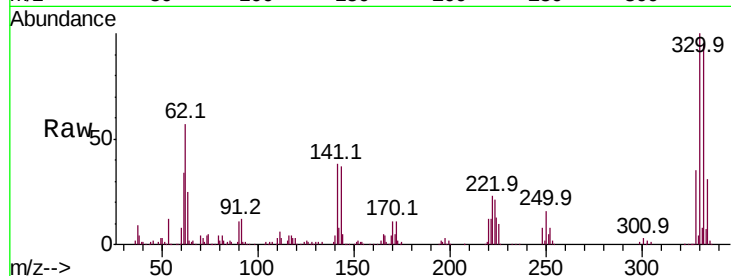
Tot Ion:330 Resp: 275576

Ion Ratio Lower Upper

330 100

332 96.3 75.7 113.5

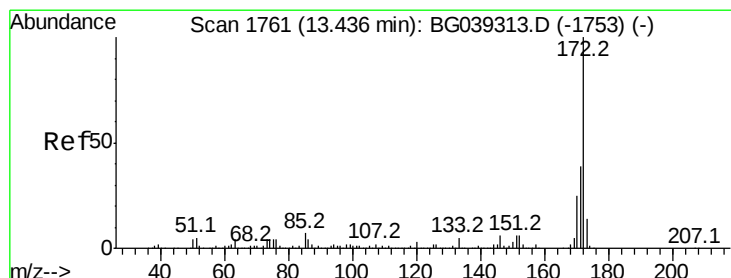
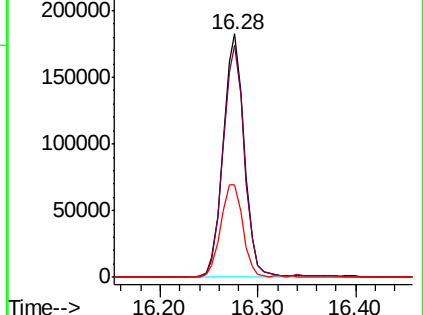
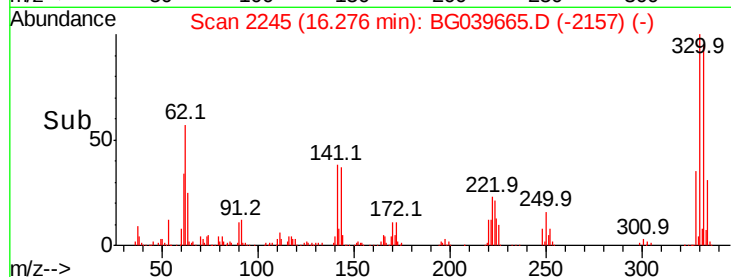
141 40.3 35.6 53.4



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: 75.510 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.03 min

Lab File: BG039665.D

Acq: 28 Feb 2019 18:19

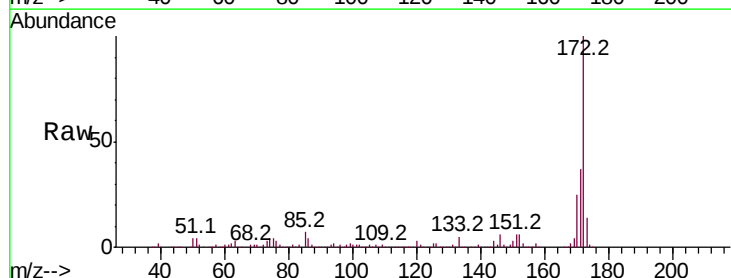
Tgt Ion:172 Resp: 880072

Ion Ratio Lower Upper

172 100

171 37.2 30.8 46.2

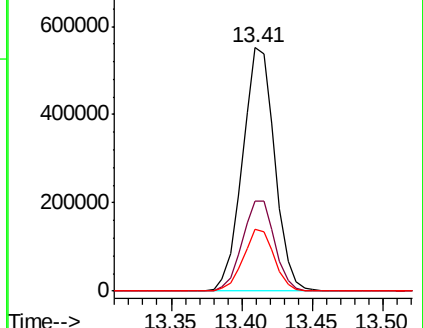
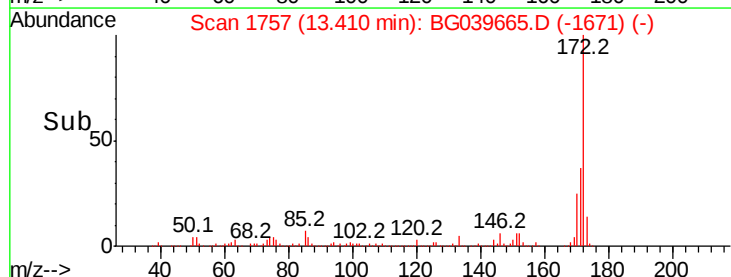
170 25.2 20.2 30.4

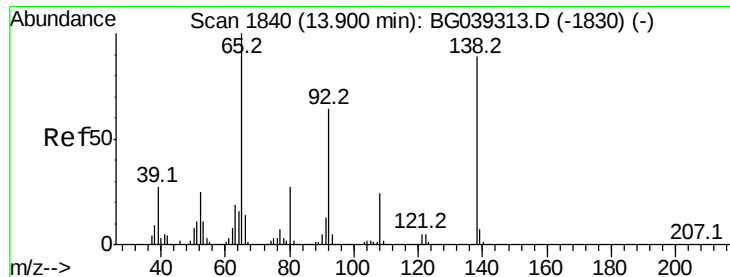


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

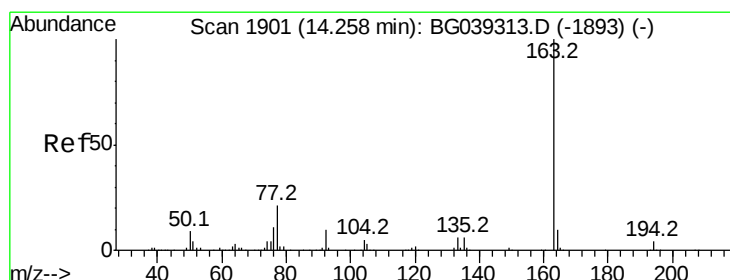
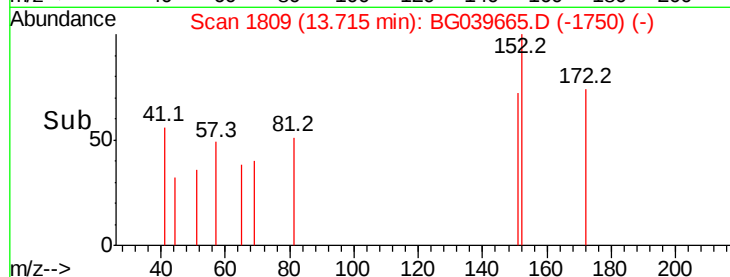
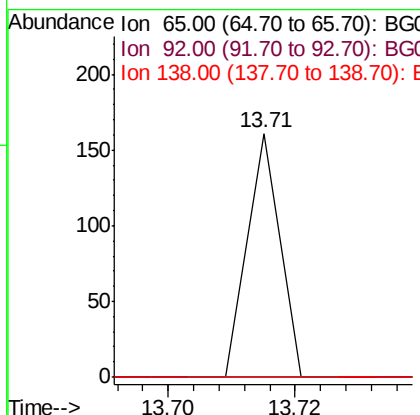
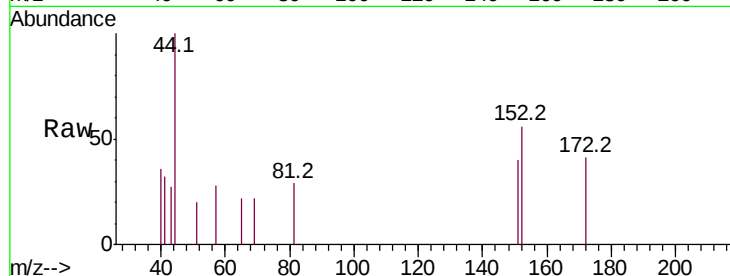




#48
2-Nitroaniline
Concen: 8.312 ng
RT: 13.71 min Scan# 1809
Delta R.T. -0.18 min
Lab File: BG039665.D
Acq: 28 Feb 2019 18:19

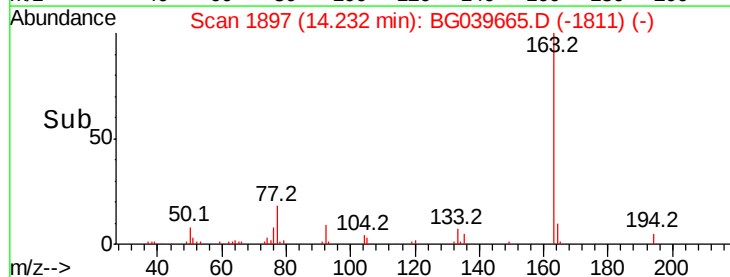
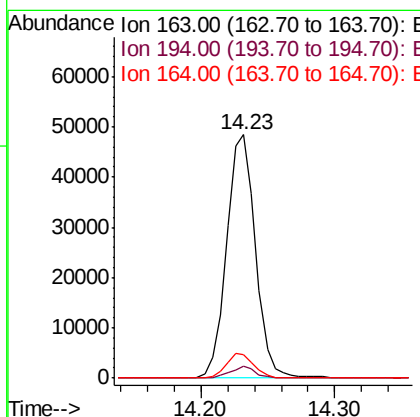
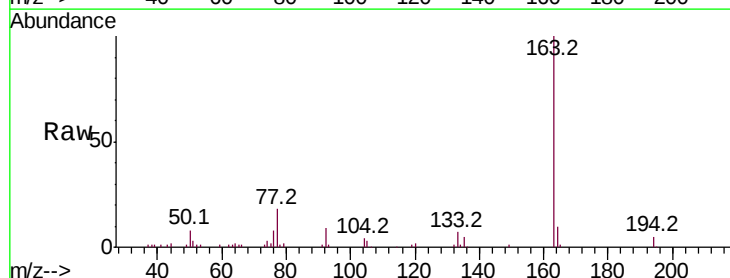
Instrument :
BNA_G
ClientSampleId :

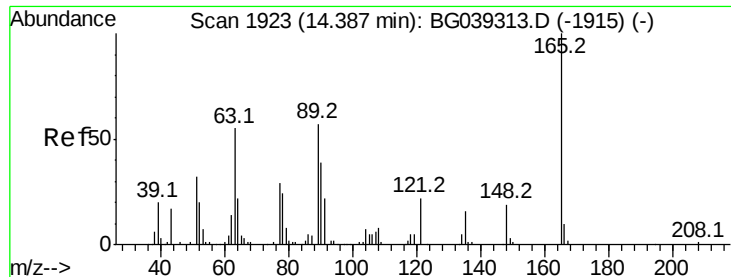
Tot Ion: 65 Resp: 57
Ion Ratio Lower Upper
65 100
92 0.0 51.4 77.2#
138 0.0 71.4 107.2#



#50
Dimethylphthalate
Concen: 5.404 ng
RT: 14.23 min Scan# 1897
Delta R.T. -0.03 min
Lab File: BG039665.D
Acq: 28 Feb 2019 18:19

Tgt Ion:163 Resp: 72971
Ion Ratio Lower Upper
163 100
194 4.6 3.6 5.4
164 9.6 8.4 12.6





#51

2,6-Dinitrotoluene

Concen: 13.942 ng

RT: 14.78 min Scan# 1991

Delta R.T. 0.40 min

Lab File: BG039665.D

Acq: 28 Feb 2019 18:19

Instrument :

BNA_G

ClientSampleId :

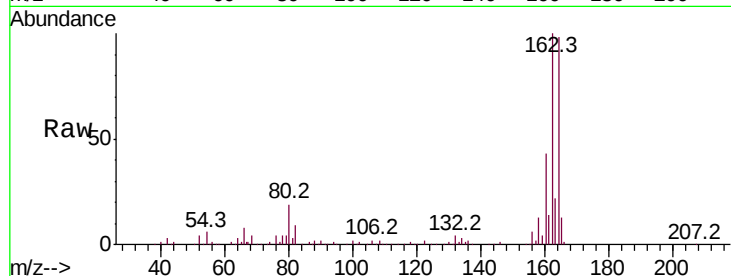
Tot Ion:165 Resp: 21581

Ion Ratio Lower Upper

165 100

63 1.8 47.0 70.6#

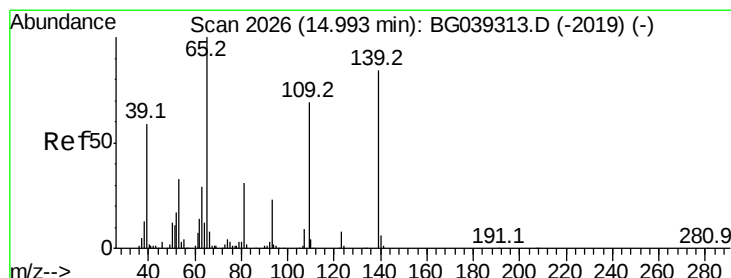
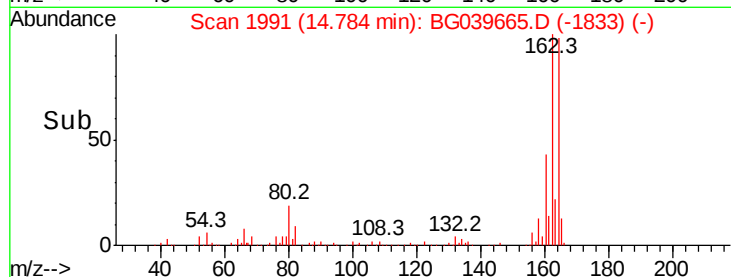
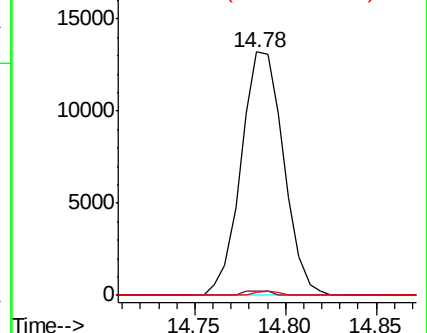
89 1.2 45.8 68.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#56

4-Nitrophenol

Concen: 5.822 ng

RT: 15.02 min Scan# 2032

Delta R.T. 0.03 min

Lab File: BG039665.D

Acq: 28 Feb 2019 18:19

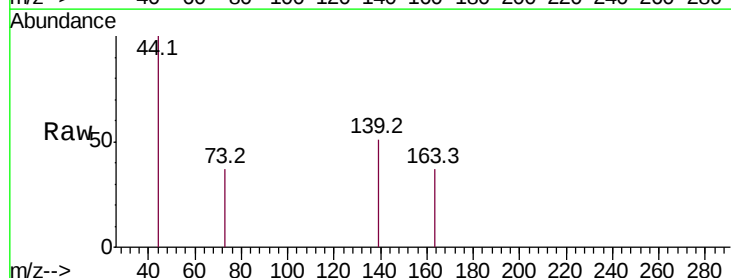
Tgt Ion:139 Resp: 73

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

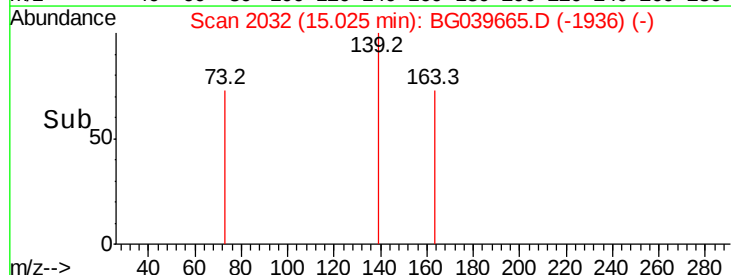
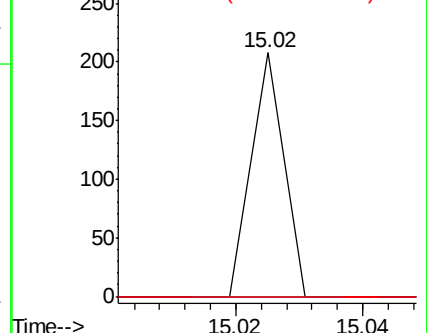
65 0.0 99.1 139.1#

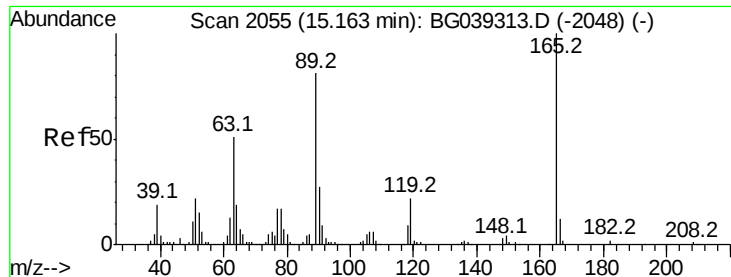


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

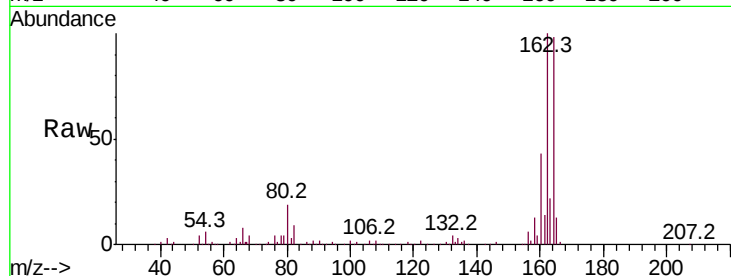




#57
 2,4-Dinitrotoluene
 Concen: 13.413 ng
 RT: 14.78 min Scan# 1991
 Delta R.T. -0.38 min
 Lab File: BG039665.D
 Acq: 28 Feb 2019 18:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	41.0	61.6#
89	1.2	64.6	96.8#
182	0.0	2.0	3.0#



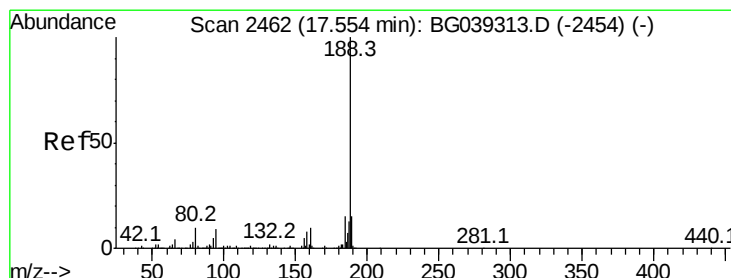
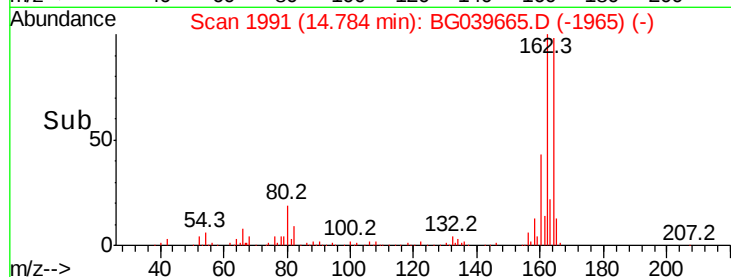
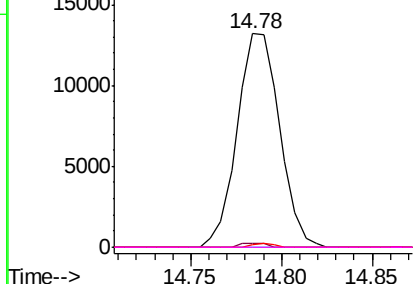
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

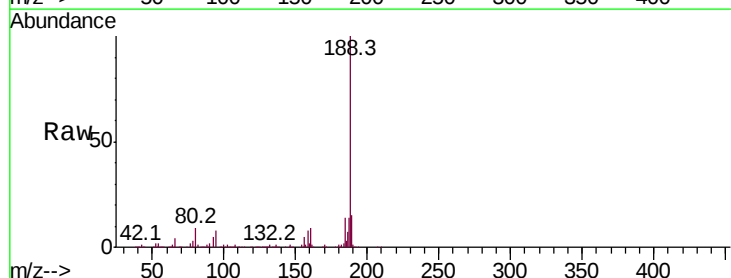
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.53 min Scan# 2459
 Delta R.T. -0.02 min
 Lab File: BG039665.D
 Acq: 28 Feb 2019 18:19

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.9	10.3
80	9.3	8.1	12.1

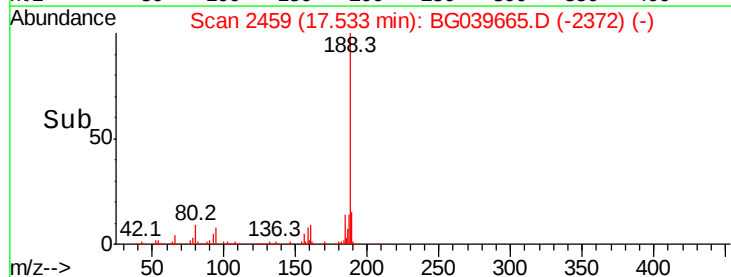
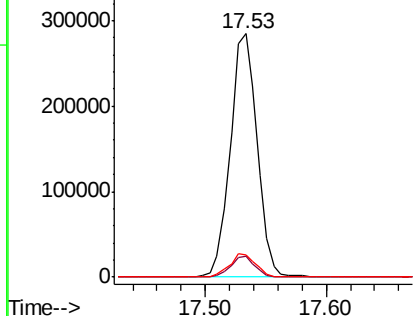


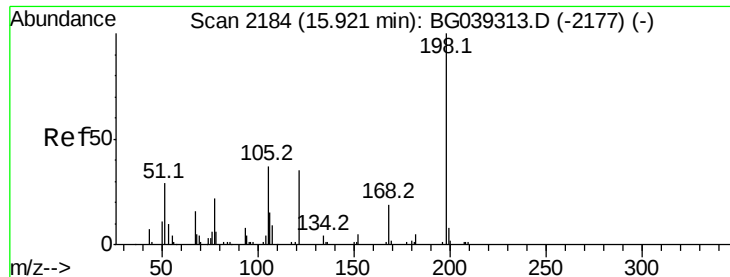
Abundance

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

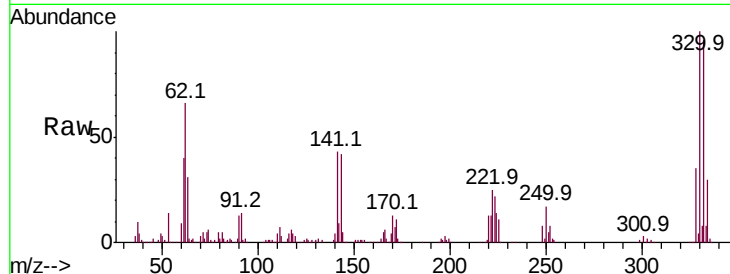




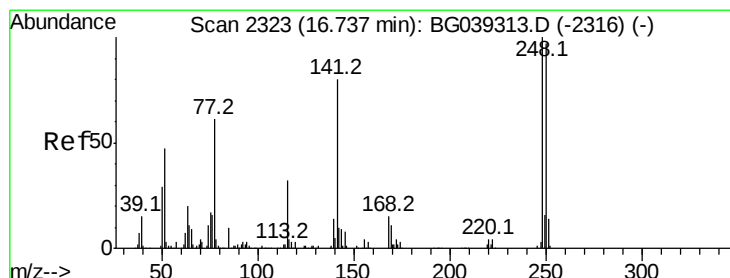
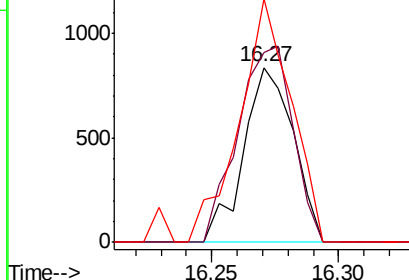
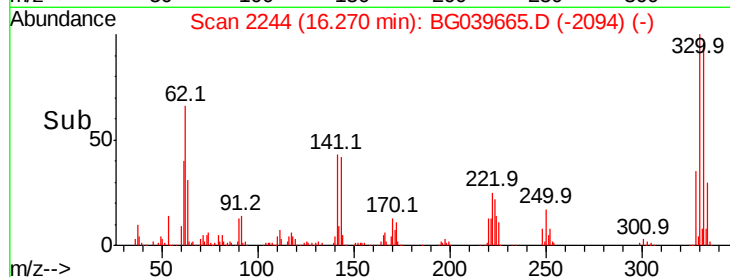
#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.006 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. 0.35 min
 Lab File: BG039665.D
 Acq: 28 Feb 2019 18:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 1144
 Ion Ratio Lower Upper
 198 100
 51 109.0 27.4 67.4#
 105 139.4 19.7 59.7#

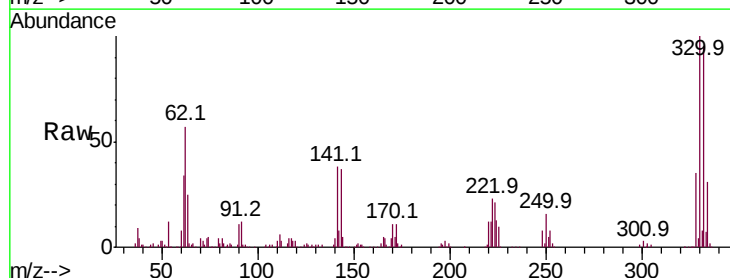


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

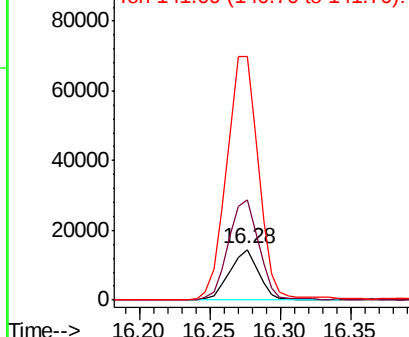
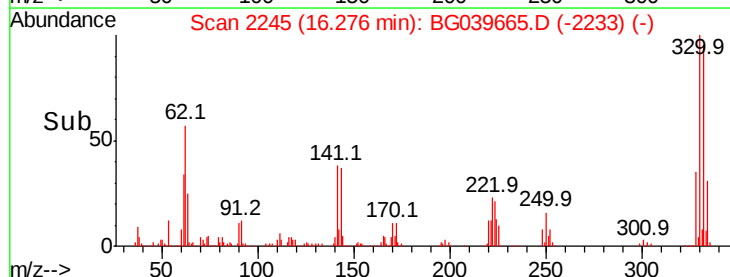


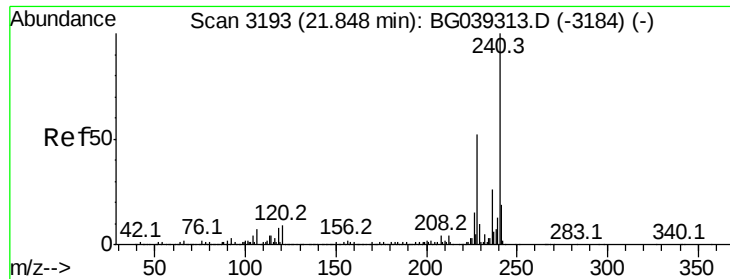
#67
 4-Bromophenyl-phenylether
 Concen: 4.310 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039665.D
 Acq: 28 Feb 2019 18:19

Tgt Ion:248 Resp: 21100
 Ion Ratio Lower Upper
 248 100
 250 199.1 77.6 116.4#
 141 479.9 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

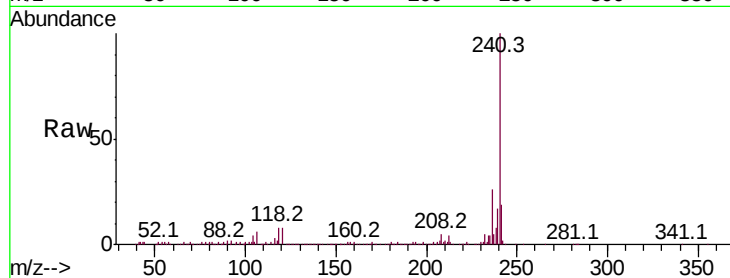




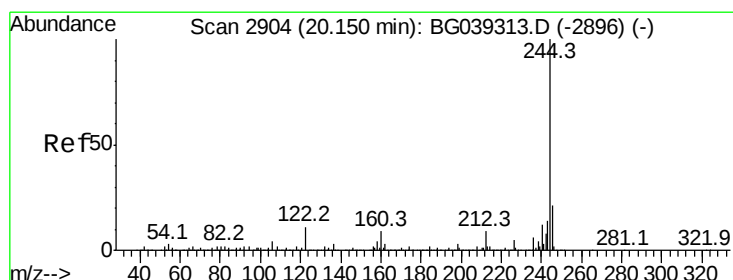
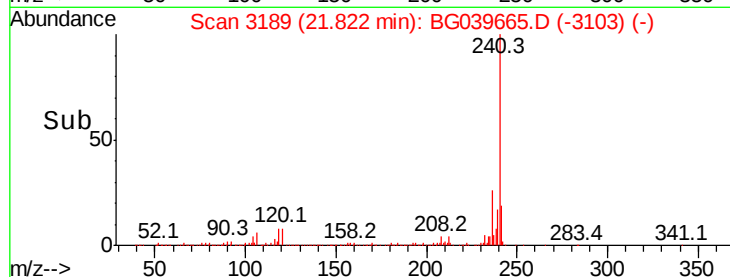
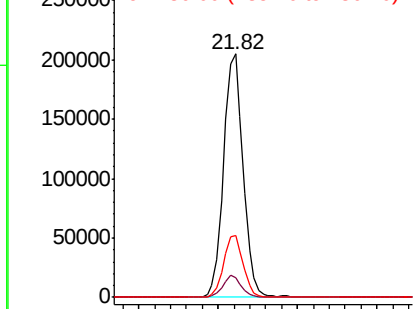
#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.03 min
 Lab File: BG039665.D
 Acq: 28 Feb 2019 18:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:240 Resp: 349174
 Ion Ratio Lower Upper
 240 100
 120 7.9 7.0 10.6
 236 25.5 21.0 31.4

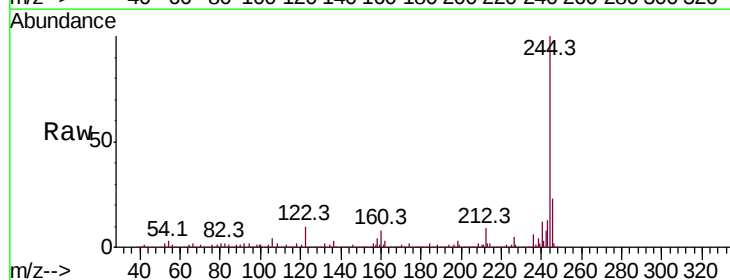


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

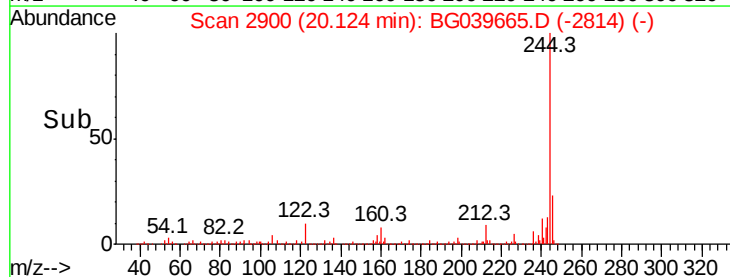
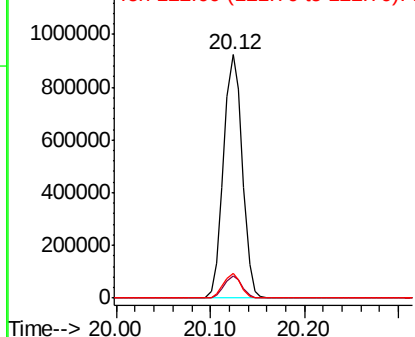


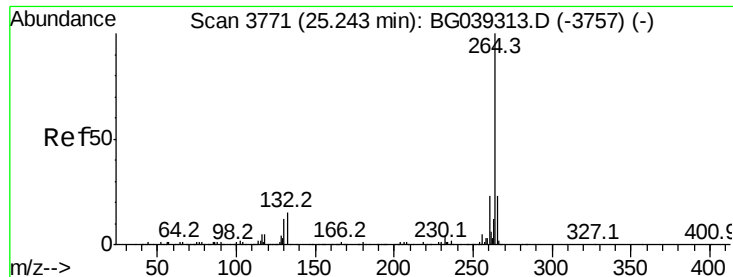
#79
 Terphenyl-d14
 Concen: 78.189 ng
 RT: 20.12 min Scan# 2900
 Delta R.T. -0.03 min
 Lab File: BG039665.D
 Acq: 28 Feb 2019 18:19

Tgt Ion:244 Resp: 1289822
 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
Pervlene-d12
Concen: 20.000 ng
RT: 25.19 min Scan# 3763
Delta R.T. -0.05 min
Lab File: BG039665.D
Acq: 28 Feb 2019 18:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.2	27.4
265	22.4	18.5	27.7

