

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010919\
 Data File : BG039043.D
 Acq On : 10 Jan 2019 6:56
 Operator : JU/SJ
 Sample : K1006-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 10 07:56:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 09 14:23:53 2019
 Response via : Initial Calibration

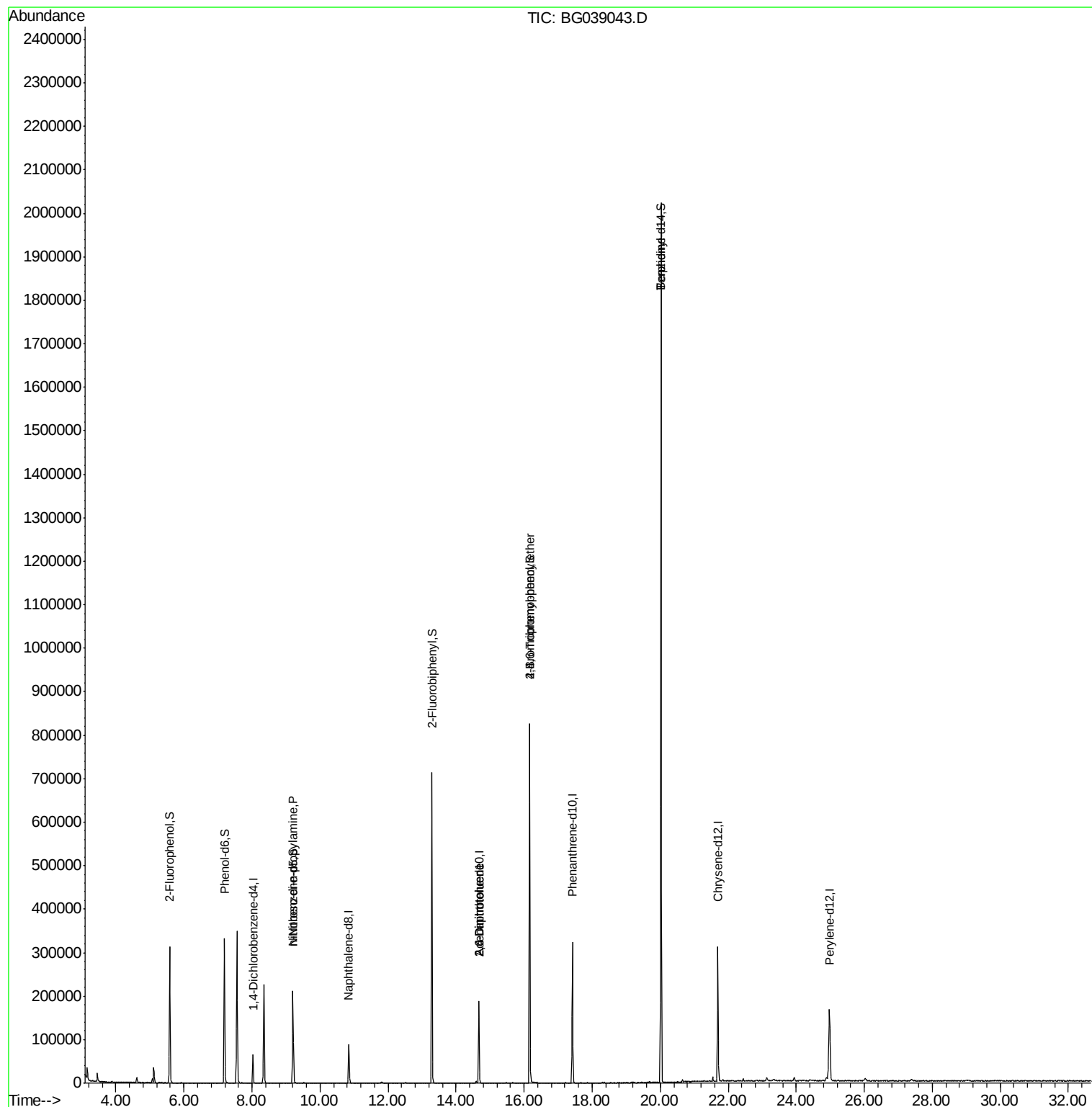
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	19083	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	84711	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	68875	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	213767	20.00	ng	0.00
76) Chrysene-d12	21.70	240	202300	20.00	ng	0.00
87) Perylene-d12	24.97	264	204425	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	143603	142.75	ng	0.00
7) Phenol-d6	7.19	99	191979	132.61	ng	0.00
23) Nitrobenzene-d5	9.20	82	130455	84.27	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	181746	157.42	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	388682	77.23	ng	0.00
79) Terphenyl-d14	20.03	244	1073153	98.13	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	17501	18.409	ng	# 67
51) 2,6-Dinitrotoluene	14.67	165	8486	6.521	ng	# 24
57) 2,4-Dinitrotoluene	14.67	165	8486	4.546	ng	# 26
67) 4-Bromophenyl-phenylether	16.16	248	11891	4.327	ng	# 1
77) Benzidine	20.02	184	17598	2.844	ng	# 93

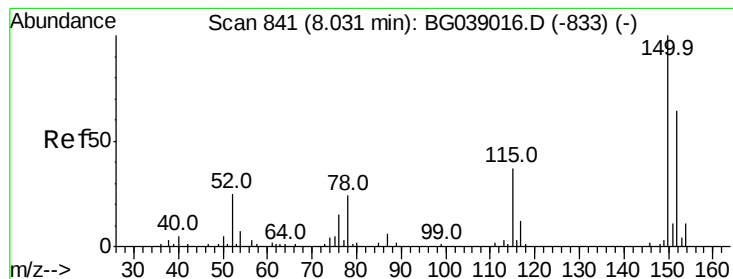
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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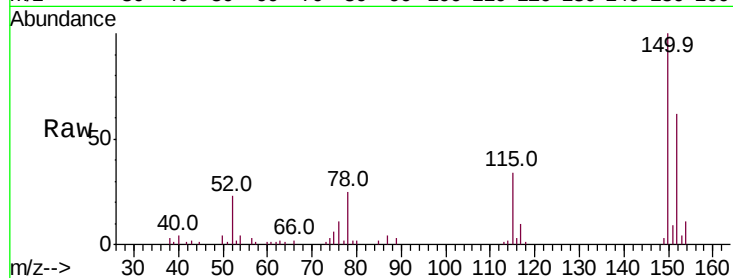


#1

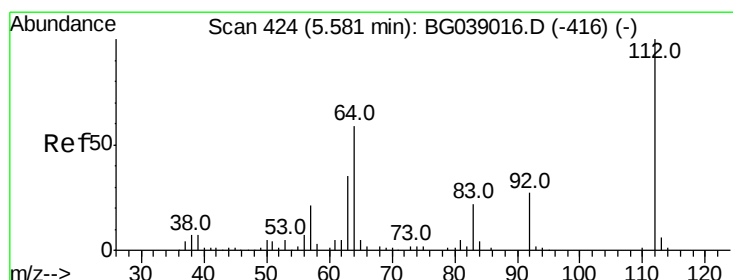
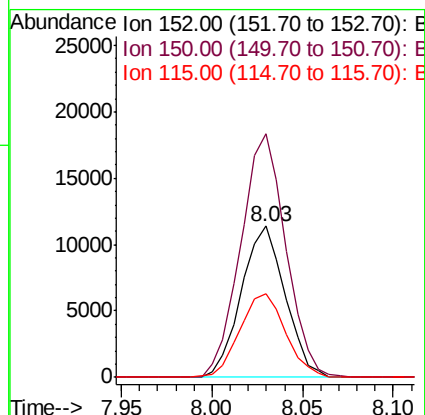
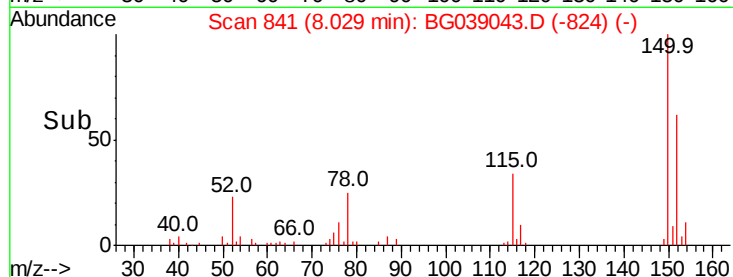
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.00 min
Lab File: BG039043.D
Acq: 10 Jan 2019 6:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 19083
Ion Ratio Lower Upper
152 100
150 161.1 124.7 187.1
115 55.1 46.5 69.7



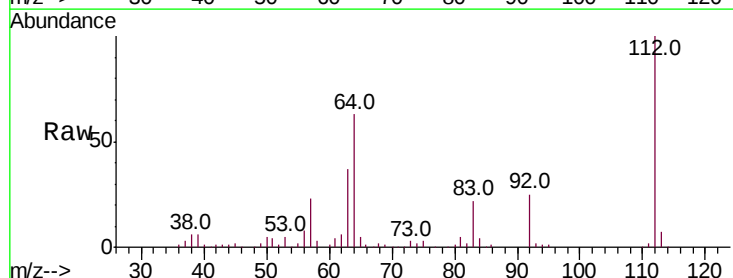
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



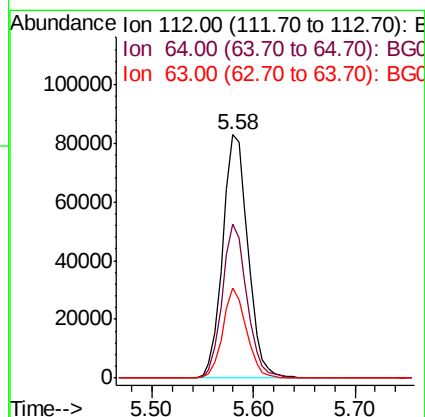
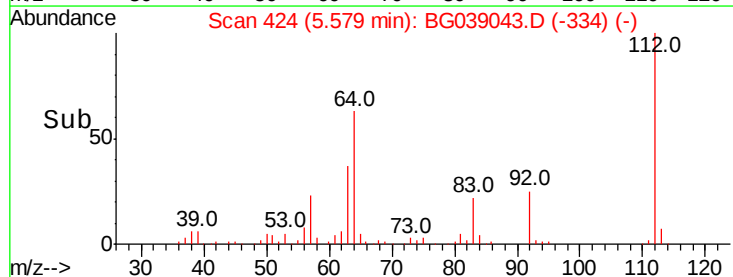
#5

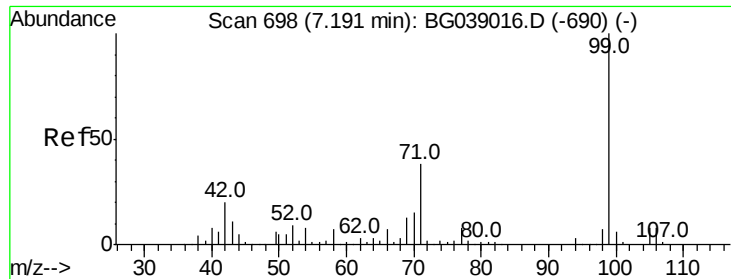
2-Fluorophenol
Concen: 142.751 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG039043.D
Acq: 10 Jan 2019 6:56

Tgt Ion:112 Resp: 143603
Ion Ratio Lower Upper
112 100
64 63.4 47.0 70.6
63 36.7 28.0 42.0



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





#7

Phenol-d6

Concen: 132.608 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG039043.D

Acq: 10 Jan 2019 6:56

Instrument :

BNA_G

ClientSampled :

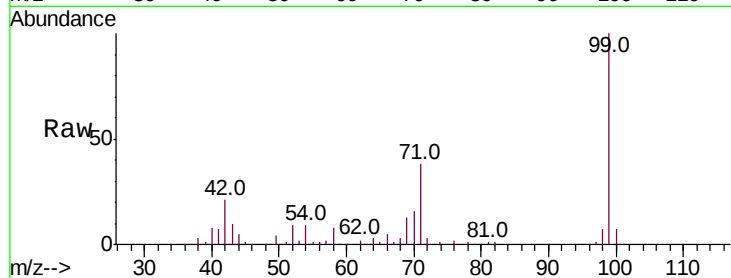
Tot Ion: 99 Resp: 191979

Ion Ratio Lower Upper

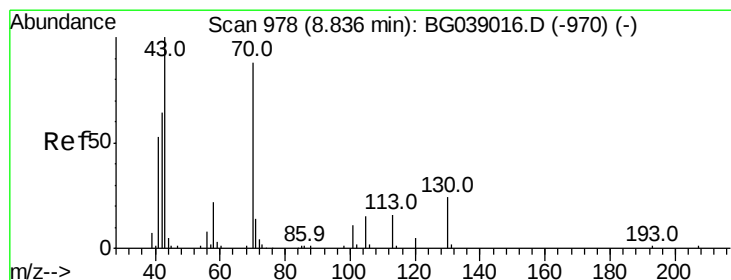
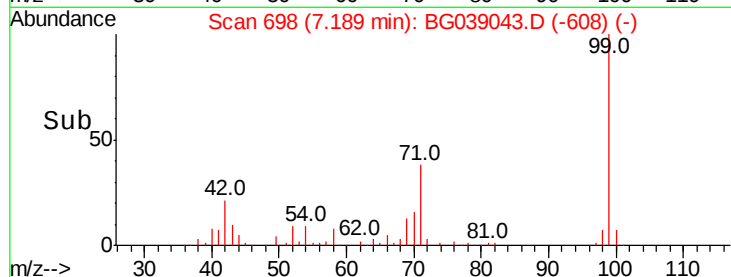
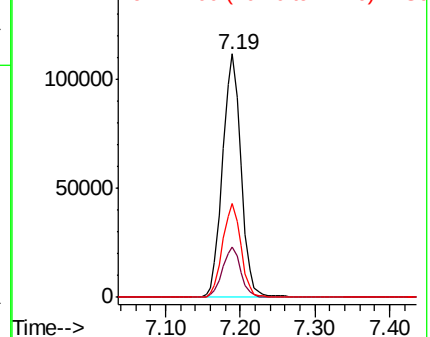
99 100

42 20.6 15.8 23.6

71 38.5 30.2 45.4



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: 18.409 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.37 min

Lab File: BG039043.D

Acq: 10 Jan 2019 6:56

Tgt Ion: 70 Resp: 17501

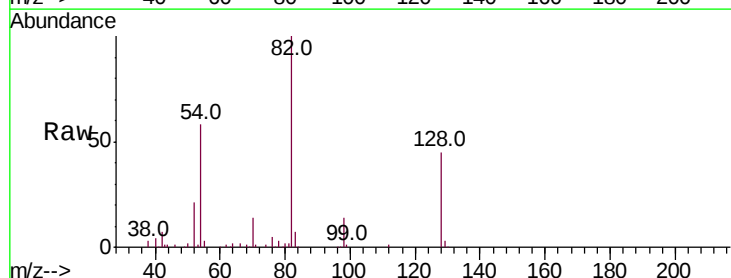
Ion Ratio Lower Upper

70 100

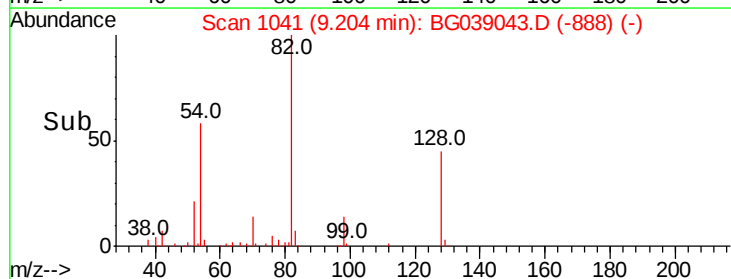
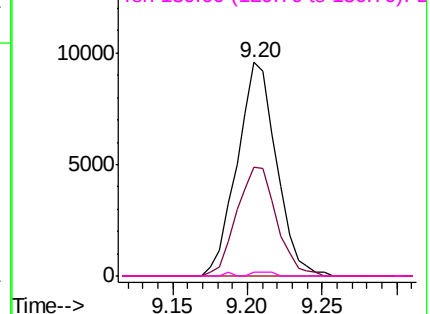
42 51.1 59.0 88.4#

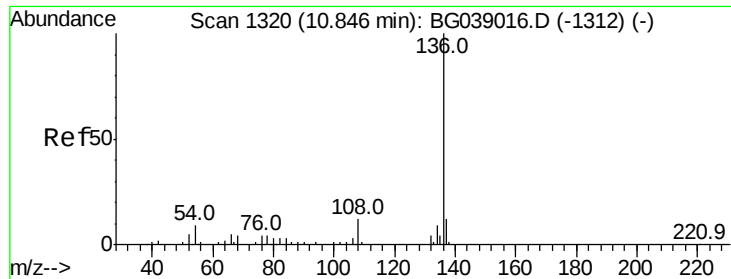
101 0.0 10.4 15.6#

130 1.7 21.6 32.4#



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: 10.84 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BG039043.D

Acq: 10 Jan 2019 6:56

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 84711

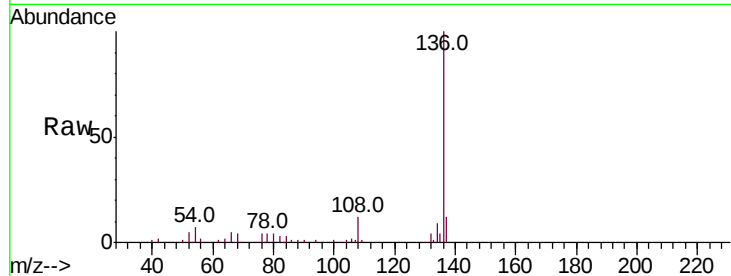
Ion Ratio Lower Upper

136 100

137 12.4 9.4 14.2

54 7.1 7.2 10.8#

68 4.1 3.5 5.3

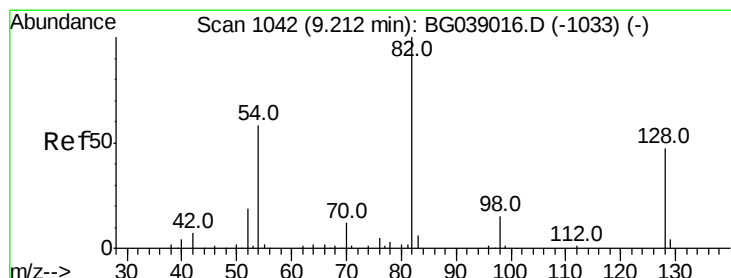
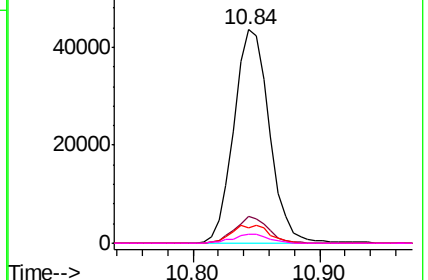
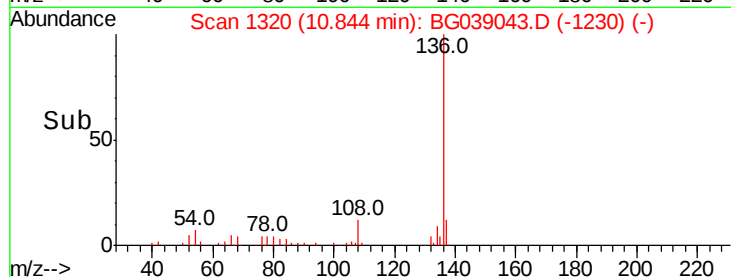


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.268 ng

RT: 9.20 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BG039043.D

Acq: 10 Jan 2019 6:56

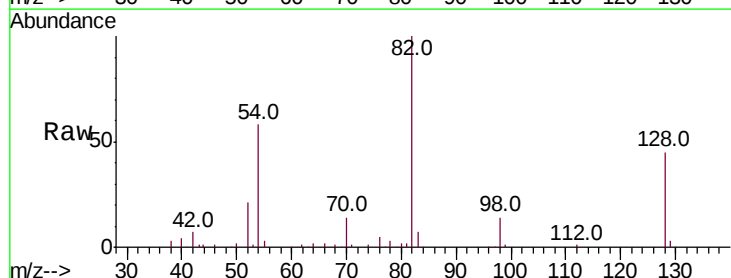
Tgt Ion: 82 Resp: 130455

Ion Ratio Lower Upper

82 100

128 44.7 37.3 55.9

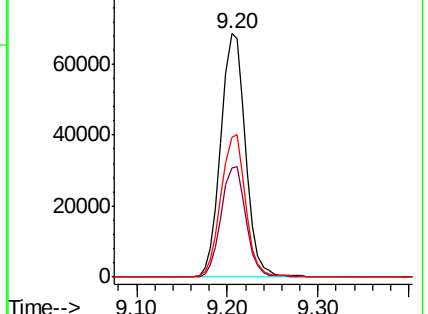
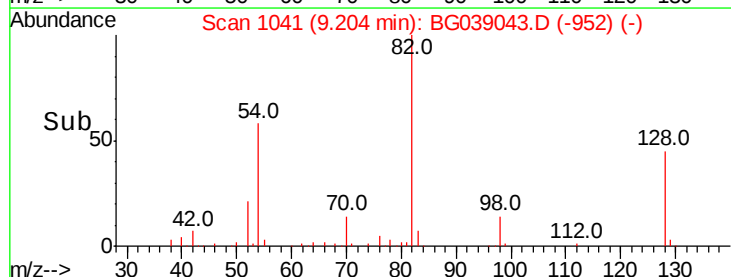
54 57.6 46.4 69.6

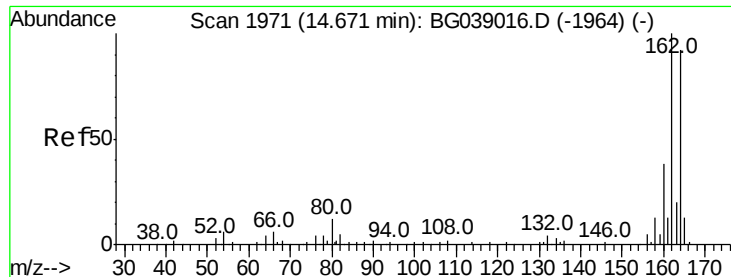


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

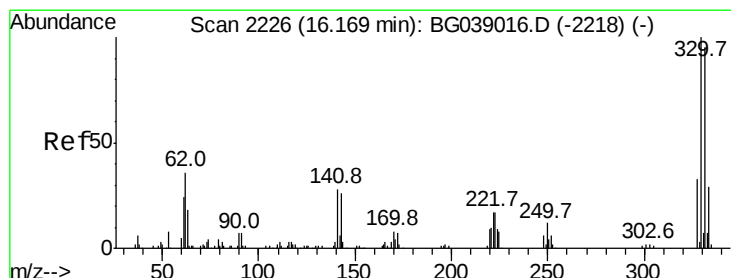
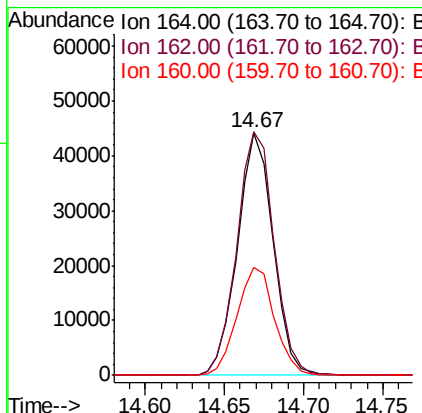
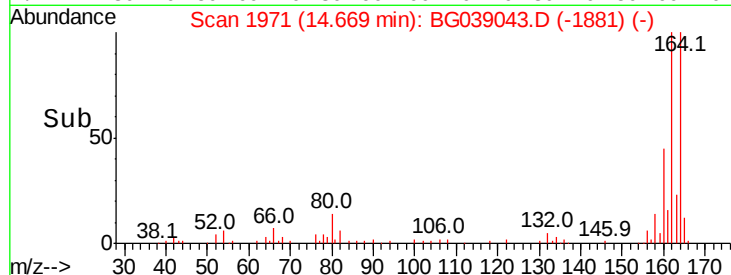
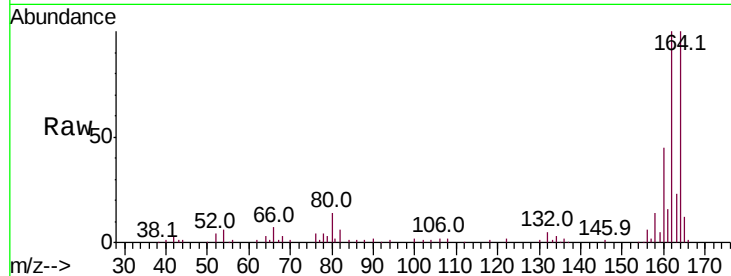




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: BG039043.D
 Acq: 10 Jan 2019 6:56

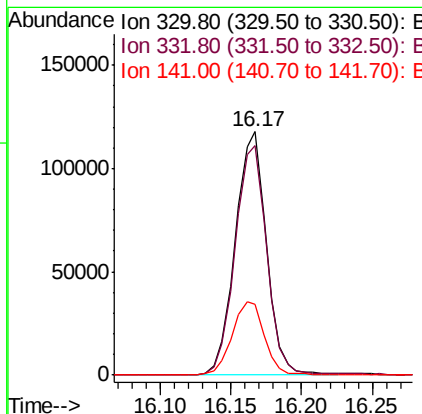
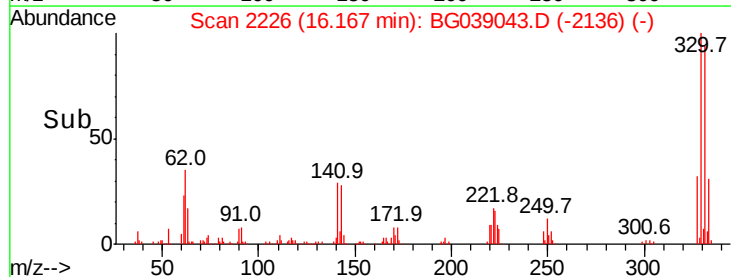
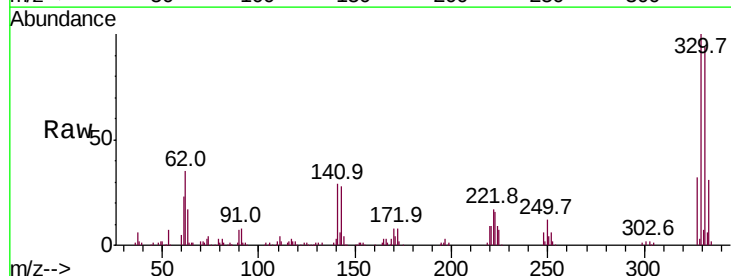
Instrument :
 BNA_G
 ClientSampled :

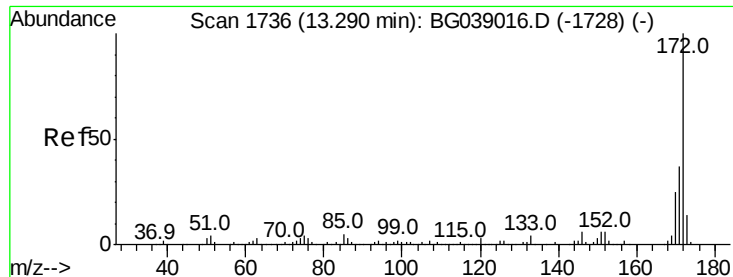
Tot Ion:164 Resp: 68875
 Ion Ratio Lower Upper
 164 100
 162 100.4 87.2 130.8
 160 44.7 33.3 49.9



#42
 2,4,6-Tribromophenol
 Concen: 157.419 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.00 min
 Lab File: BG039043.D
 Acq: 10 Jan 2019 6:56

Tgt Ion:330 Resp: 181746
 Ion Ratio Lower Upper
 330 100
 332 96.8 75.7 113.5
 141 31.5 24.9 37.3

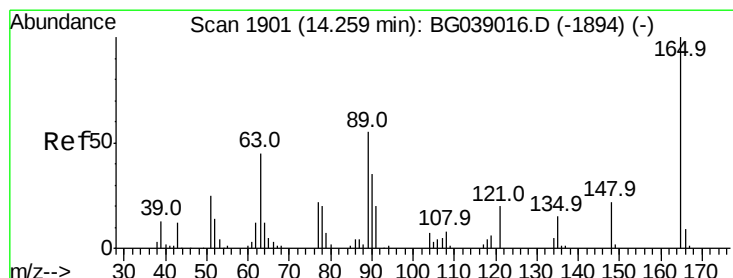
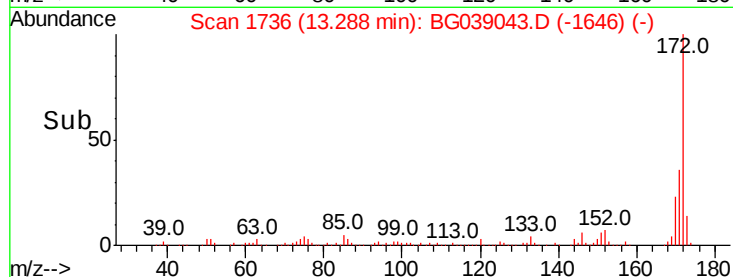
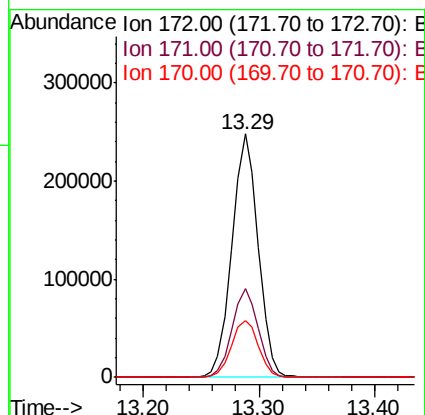
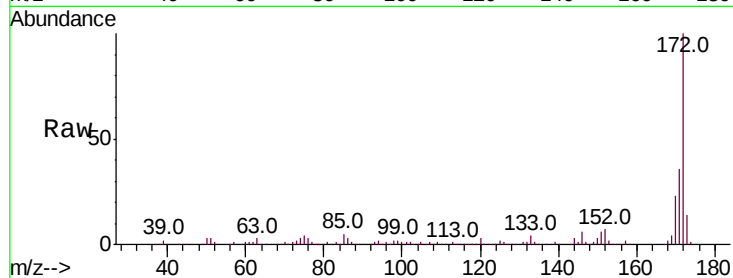




#45
 2-Fluorobiphenyl
 Concen: 77.232 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: BG039043.D
 Acq: 10 Jan 2019 6:56

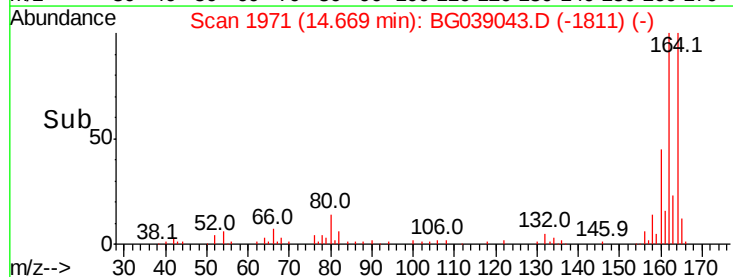
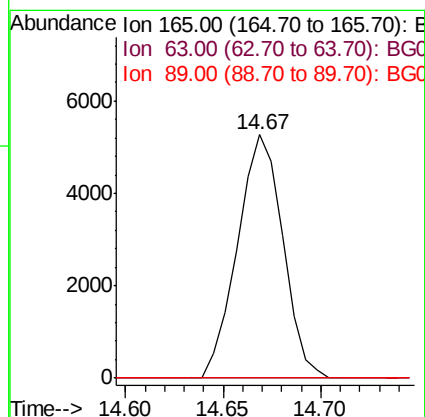
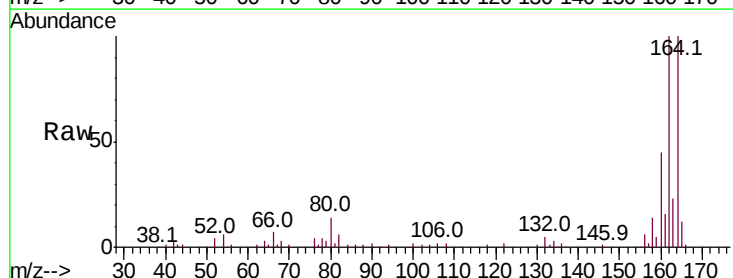
Instrument :
 BNA_G
 ClientSampleId :

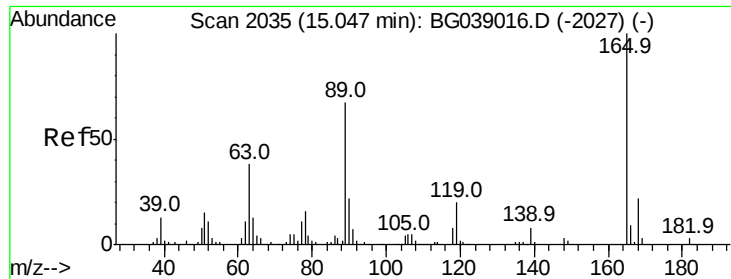
Tot Ion:172 Resp: 388682
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 23.3 20.1 30.1



#51
 2,6-Dinitrotoluene
 Concen: 6.521 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.41 min
 Lab File: BG039043.D
 Acq: 10 Jan 2019 6:56

Tgt Ion:165 Resp: 8486
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.6 65.4#
 89 0.0 43.7 65.5#

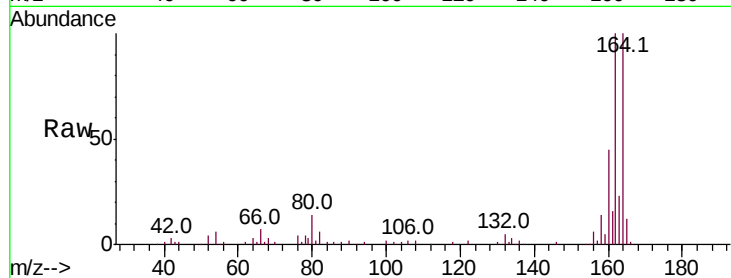




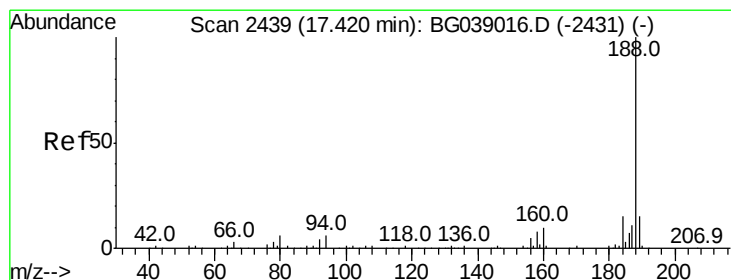
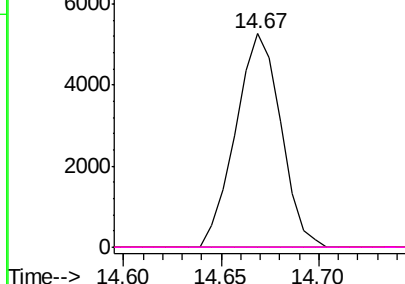
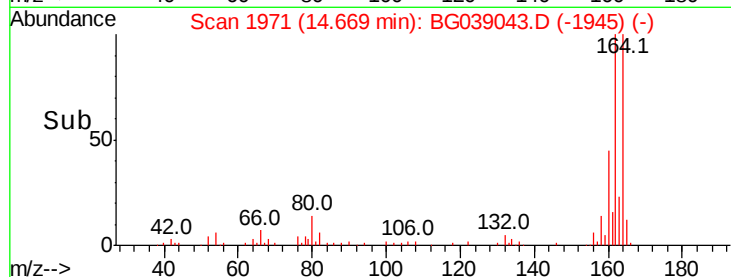
#57
 2,4-Dinitrotoluene
 Concen: 4.546 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.38 min
 Lab File: BG039043.D
 Acq: 10 Jan 2019 6:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 8486
 Ion Ratio Lower Upper
 165 100
 63 0.0 30.2 45.4#
 89 0.0 53.2 79.8#
 182 0.0 2.7 4.1#

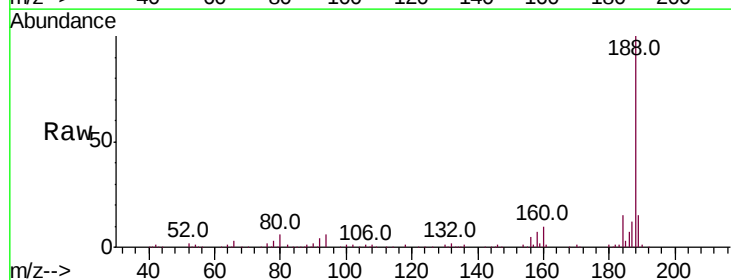


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

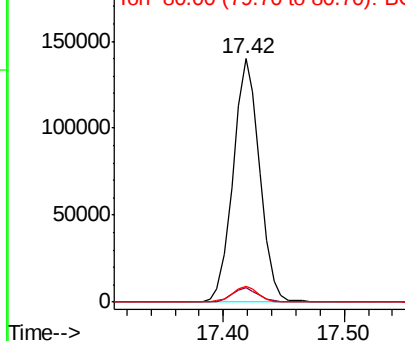
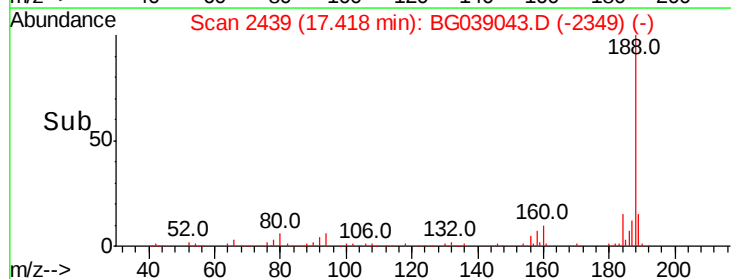


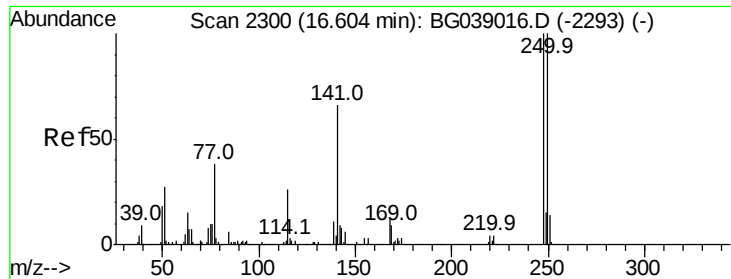
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.00 min
 Lab File: BG039043.D
 Acq: 10 Jan 2019 6:56

Tgt Ion:188 Resp: 213767
 Ion Ratio Lower Upper
 188 100
 94 6.0 5.0 7.4
 80 6.3 4.7 7.1



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

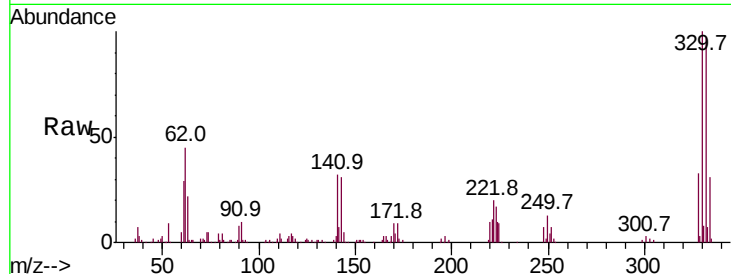




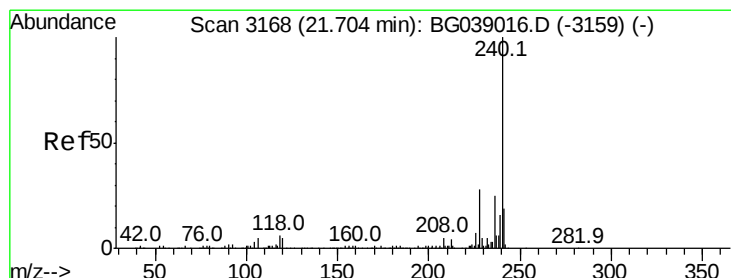
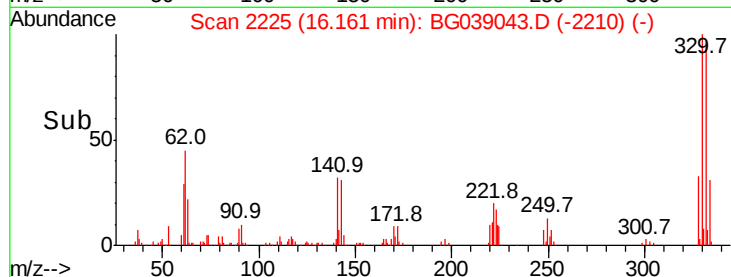
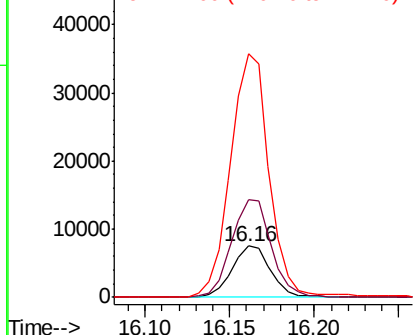
#67
 4-Bromophenyl-phenylether
 Concen: 4.327 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.44 min
 Lab File: BG039043.D
 Acq: 10 Jan 2019 6:56

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 11891
 Ion Ratio Lower Upper
 248 100
 250 198.4 79.9 119.9#
 141 367.2 52.7 79.1#

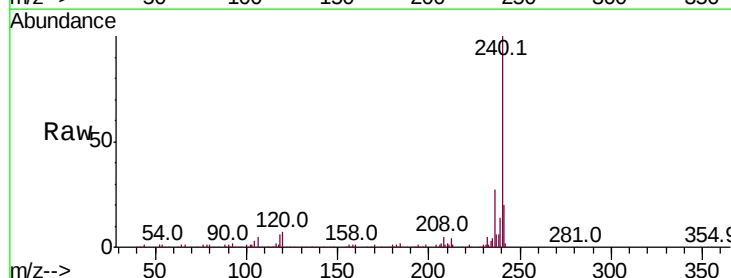


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

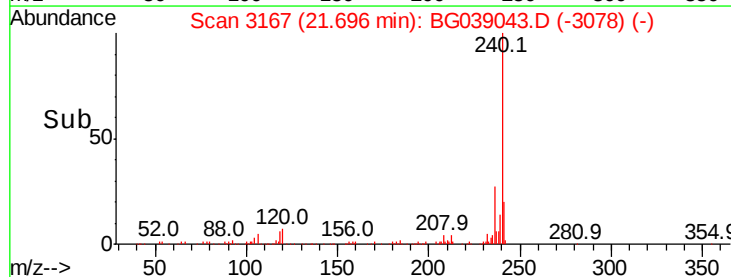
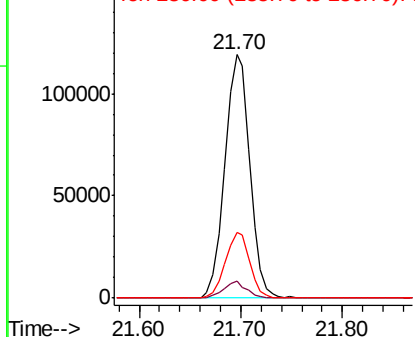


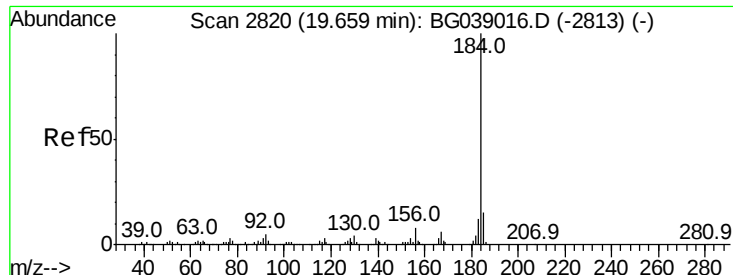
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. -0.01 min
 Lab File: BG039043.D
 Acq: 10 Jan 2019 6:56

Tgt Ion:240 Resp: 202300
 Ion Ratio Lower Upper
 240 100
 120 6.9 4.3 6.5#
 236 26.8 20.1 30.1



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: 2.844 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.36 min

Lab File: BG039043.D

Acq: 10 Jan 2019 6:56

Instrument :

BNA_G

ClientSampleId :

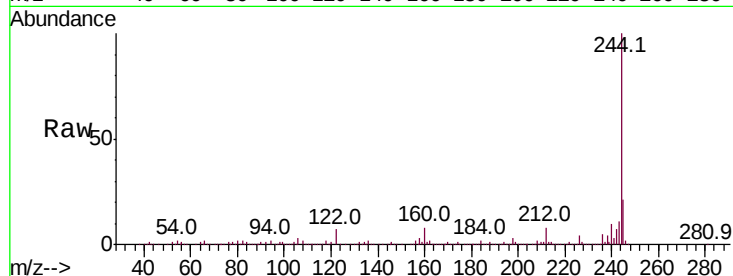
Tot Ion:184 Resp: 17598

Ion Ratio Lower Upper

184 100

185 17.3 12.1 18.1

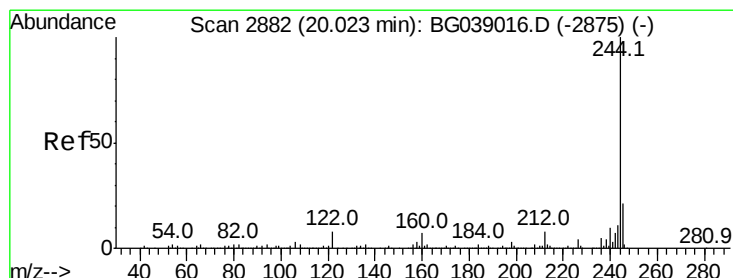
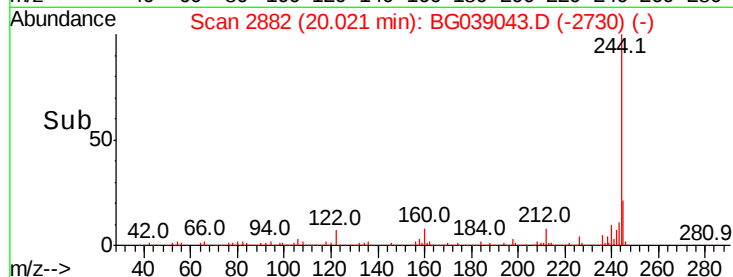
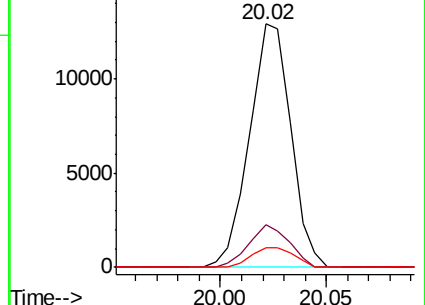
183 8.0 9.5 14.3#



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: 98.132 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BG039043.D

Acq: 10 Jan 2019 6:56

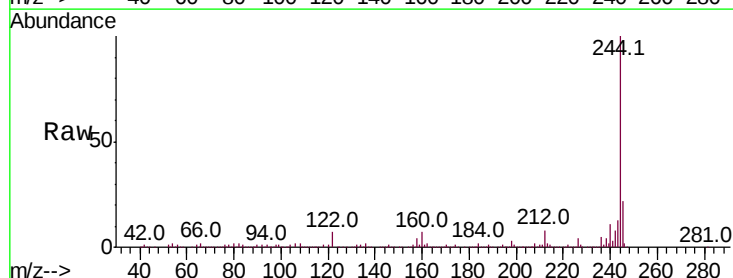
Tgt Ion:244 Resp: 1073153

Ion Ratio Lower Upper

244 100

212 8.0 6.1 9.1

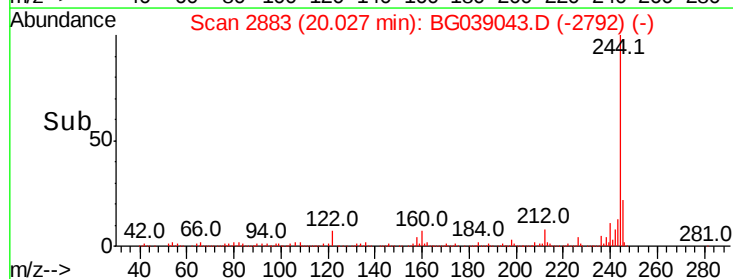
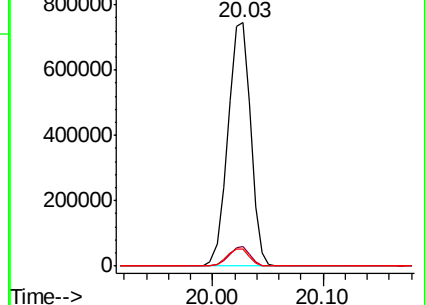
122 7.2 6.1 9.1

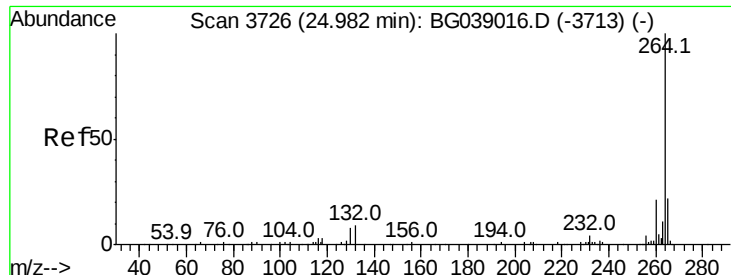


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

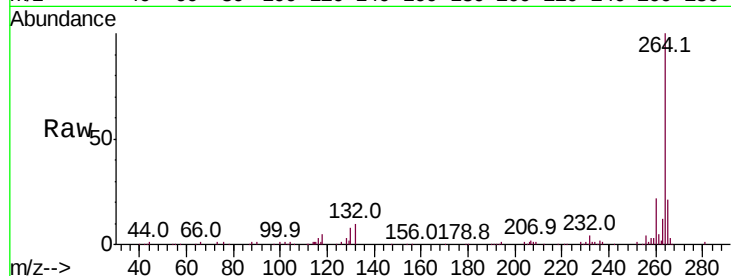




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.97 min Scan# 3725
 Delta R.T. -0.01 min
 Lab File: BG039043.D
 Acq: 10 Jan 2019 6:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.0	25.6
265	21.3	17.2	25.8



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

