

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021419\
 Data File : BG039522.D
 Acq On : 15 Feb 2019 1:13
 Operator : JU/SJ
 Sample : PB117115TB
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB117115TB

Quant Time: Feb 15 03:14:06 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	41634	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	181325	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	135033	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	342314	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	358720	20.00	ng	-0.02
87) Perylene-d12	25.21	264	353489	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	340178	139.84	ng	0.00
7) Phenol-d6	7.32	99	510193	142.48	ng	0.00
23) Nitrobenzene-d5	9.35	82	277719	95.68	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	171374	117.86	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	756989	80.42	ng	-0.02
79) Terphenyl-d14	20.13	244	1291509	76.21	ng	-0.02

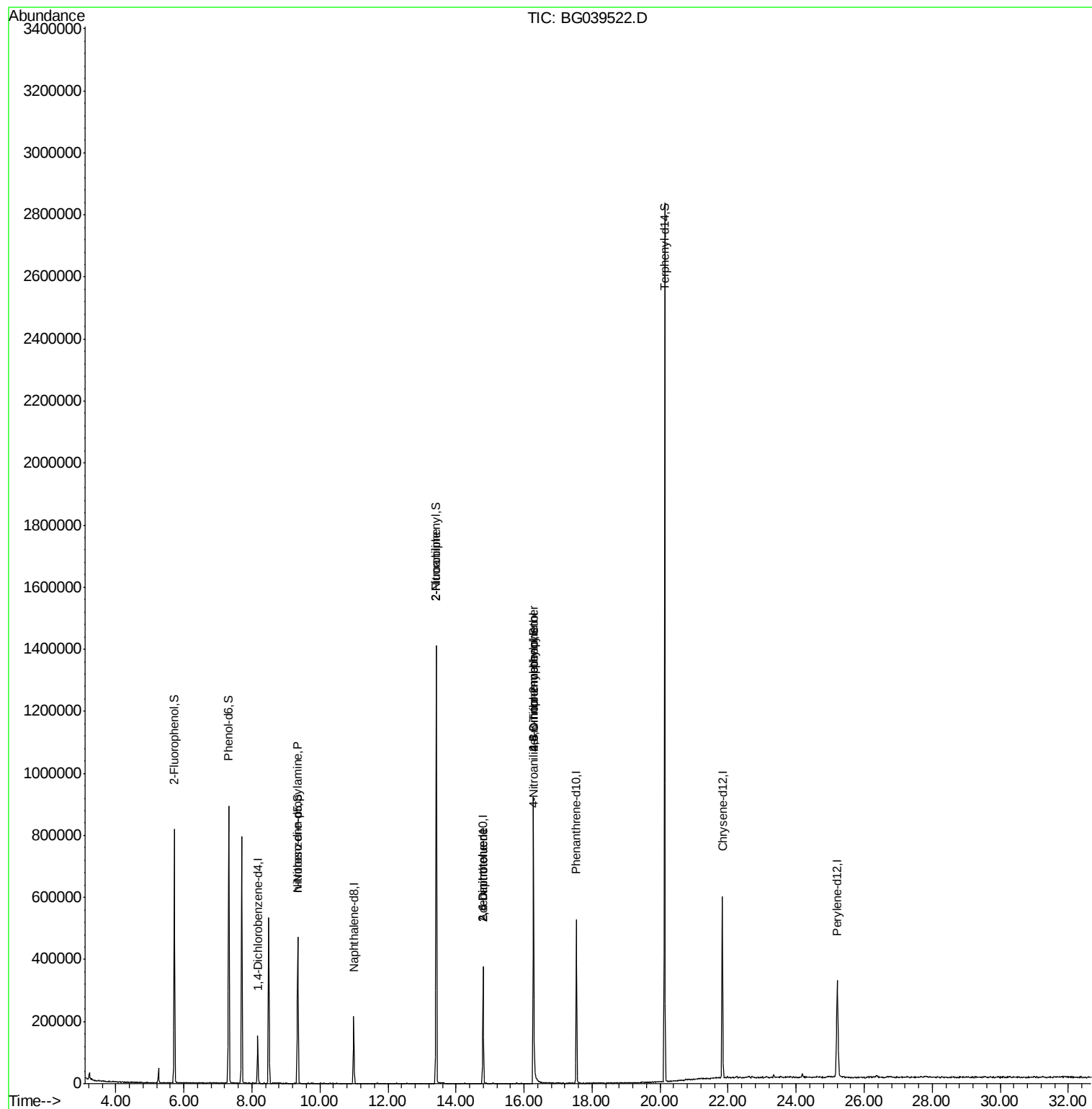
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	777	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.35	70	36478	14.353	ng	# 68
48) 2-Nitroaniline	13.42	65	1242	8.719	ng	# 1
51) 2,6-Dinitrotoluene	14.80	165	17325	13.898	ng	# 25
57) 2,4-Dinitrotoluene	14.80	165	17325	13.379	ng	# 20
62) 4-Nitroaniline	16.27	138	56	4.225	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.28	198	568	4.706	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	12516	3.296	ng	# 1

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

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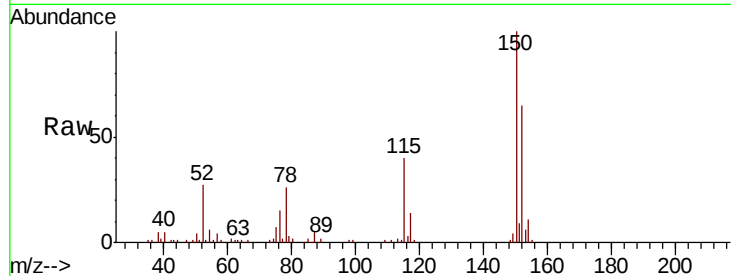


#1

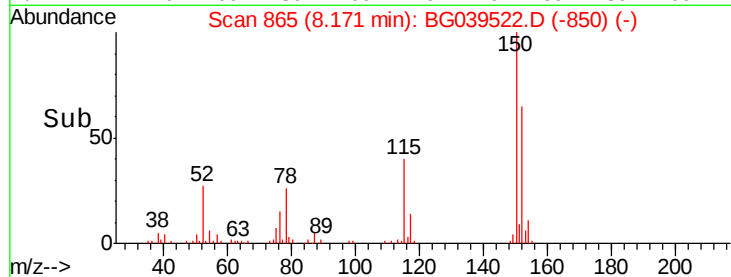
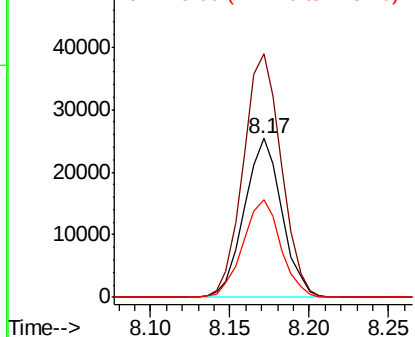
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039522.D
Acq: 15 Feb 2019 1:13

Instrument :
BNA_G
ClientSampleId :
PB117115TB

Tgt Ion:152 Resp: 41634
Ion Ratio Lower Upper
152 100
150 153.4 123.7 185.5
115 61.4 45.9 68.9



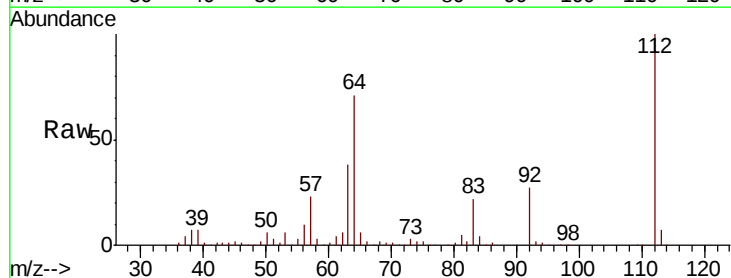
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



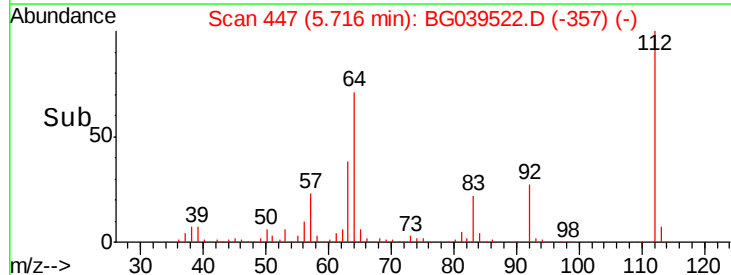
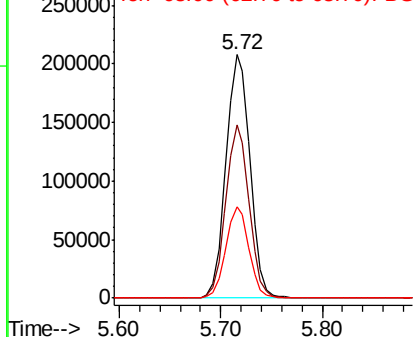
#5

2-Fluorophenol
Concen: 139.842 ng
RT: 5.72 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039522.D
Acq: 15 Feb 2019 1:13

Tgt Ion:112 Resp: 340178
Ion Ratio Lower Upper
112 100
64 71.1 57.8 86.8
63 37.6 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: 142.484 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039522.D

Acq: 15 Feb 2019 1:13

Instrument :

BNA_G

ClientSampleId :

PB117115TB

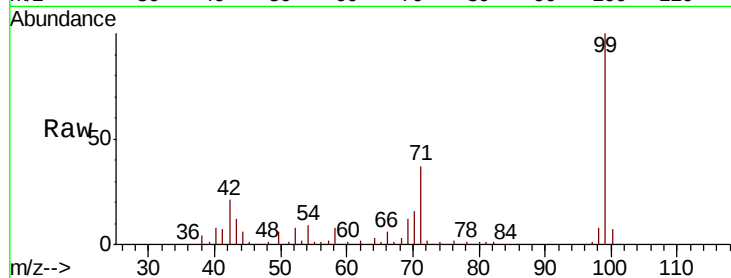
Tgt Ion: 99 Resp: 510193

Ion Ratio Lower Upper

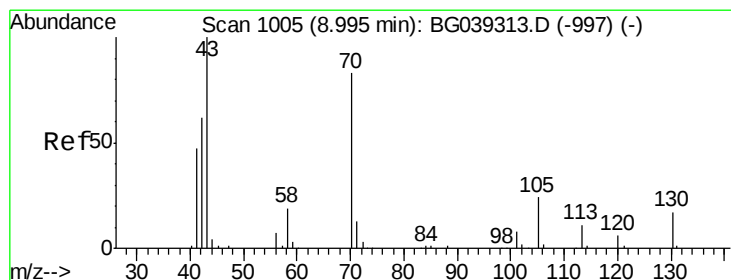
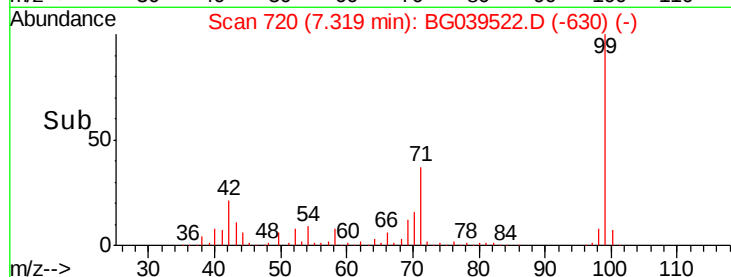
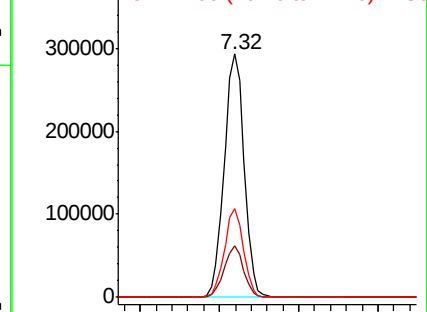
99 100

42 21.2 18.2 27.2

71 36.6 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: 14.353 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039522.D

Acq: 15 Feb 2019 1:13

Tgt Ion: 70 Resp: 36478

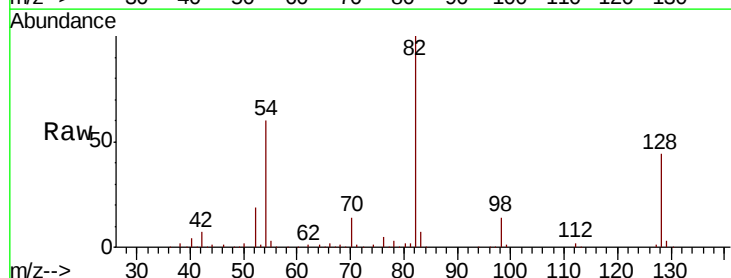
Ion Ratio Lower Upper

70 100

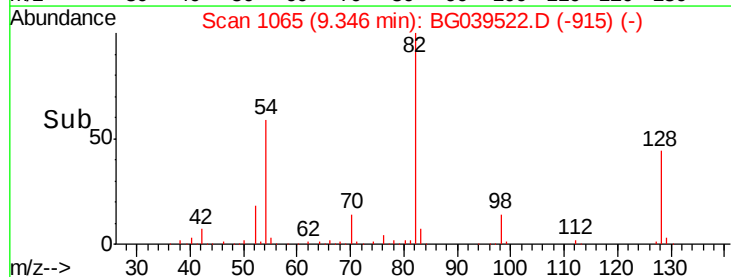
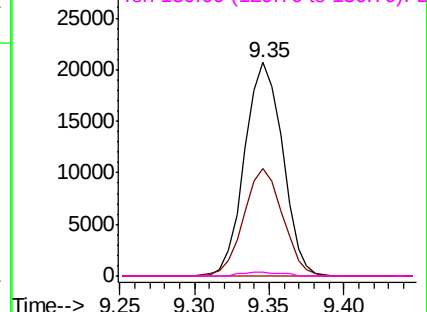
42 50.1 60.4 90.6#

101 0.0 7.5 11.3#

130 2.1 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

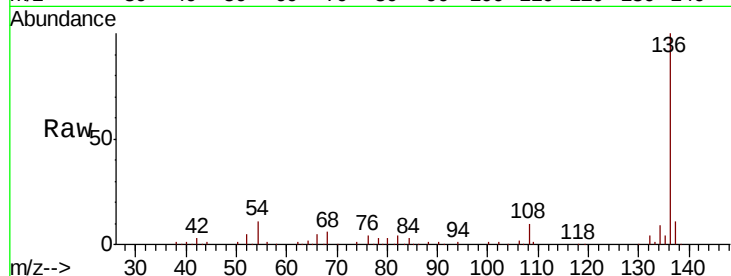




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039522.D
Acq: 15 Feb 2019 1:13

Instrument :
BNA_G
ClientSampleId :
PB117115TB

Tgt Ion:	136	Resp:	181325
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	11.1	9.4	14.2
68	6.1	4.2	6.4



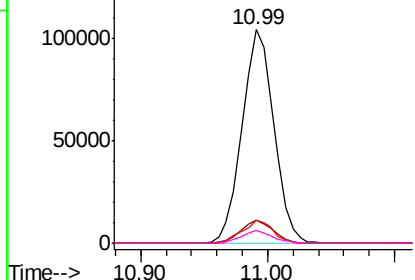
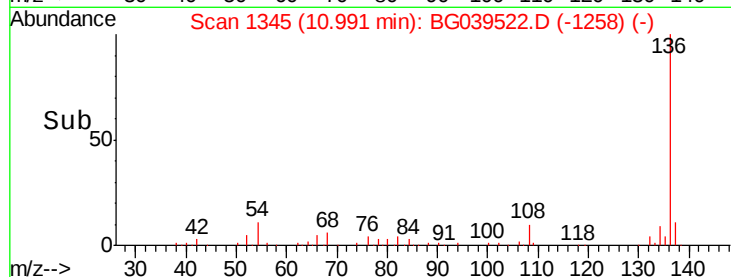
Abundance

Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

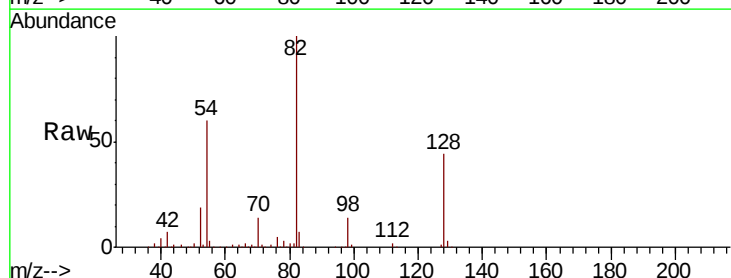
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 95.682 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039522.D
Acq: 15 Feb 2019 1:13

Tgt Ion:	82	Resp:	277719
Ion	Ratio	Lower	Upper
82	100		
128	44.5	31.3	46.9
54	59.8	50.9	76.3

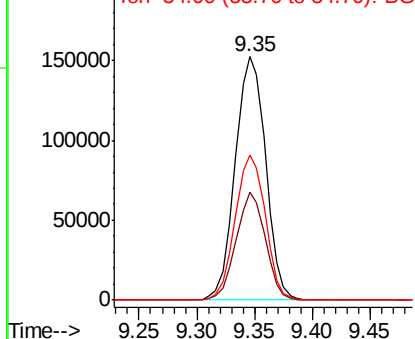
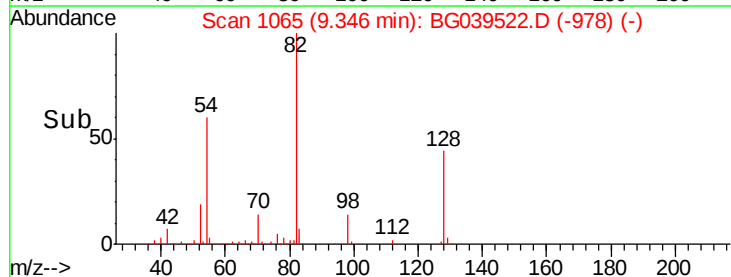


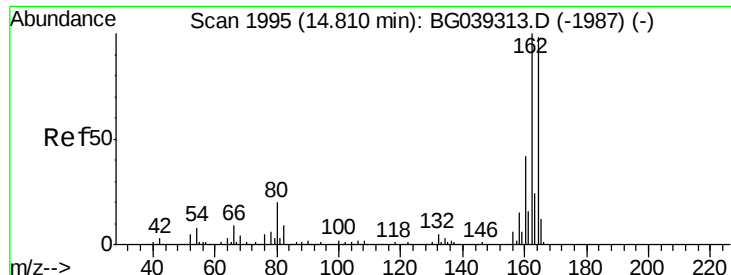
Abundance

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

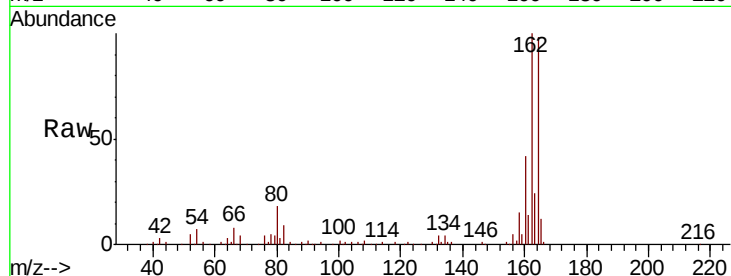




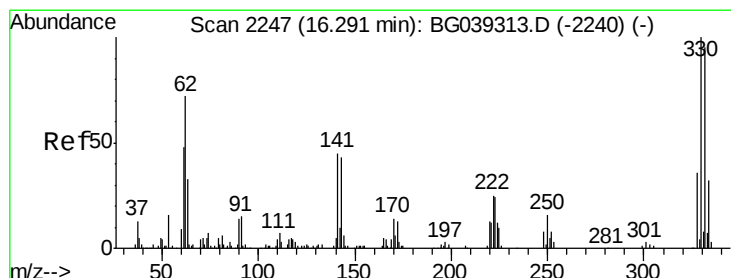
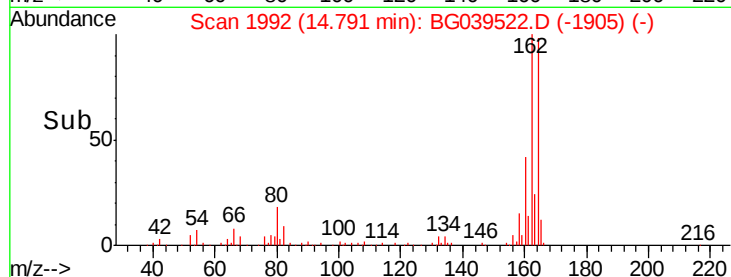
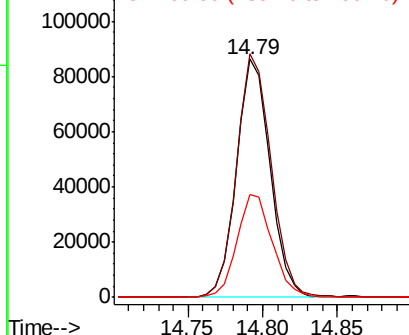
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BG039522.D
Acq: 15 Feb 2019 1:13

Instrument :
BNA_G
ClientSampleId :
PB117115TB

Tgt Ion:164 Resp: 135033
Ion Ratio Lower Upper
164 100
162 102.3 81.6 122.4
160 43.3 34.2 51.2

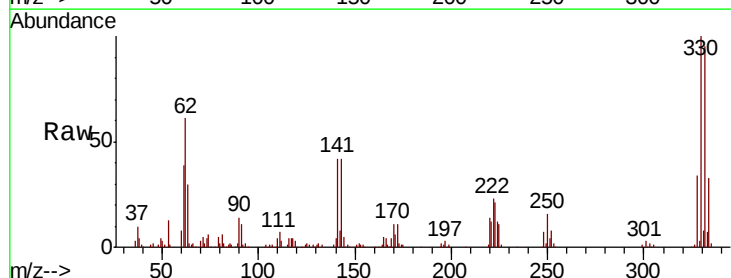


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

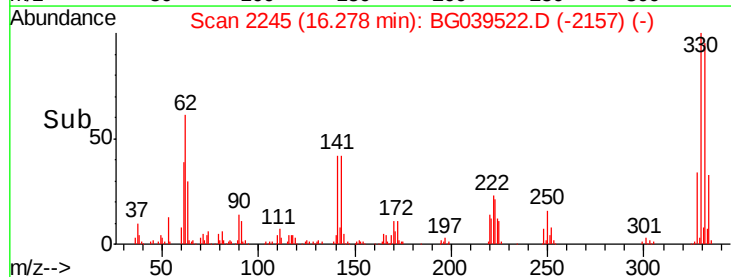
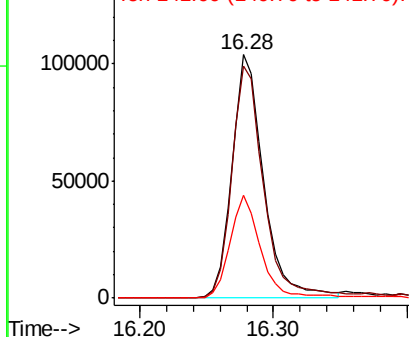


#42
2,4,6-Tribromophenol
Concen: 117.858 ng
RT: 16.28 min Scan# 2245
Delta R.T. -0.01 min
Lab File: BG039522.D
Acq: 15 Feb 2019 1:13

Tgt Ion:330 Resp: 171374
Ion Ratio Lower Upper
330 100
332 99.0 75.7 113.5
141 41.6 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

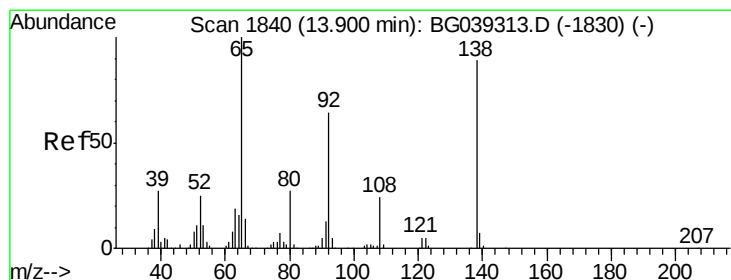
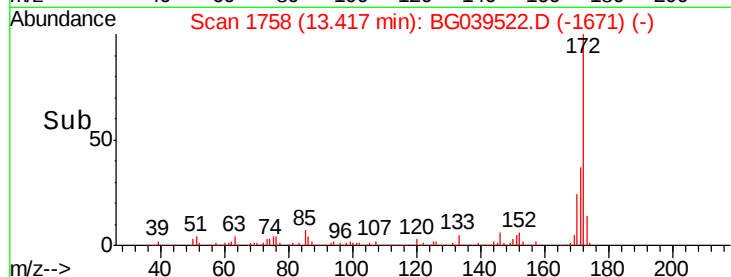
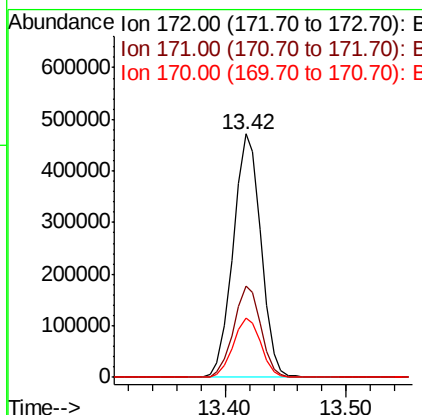
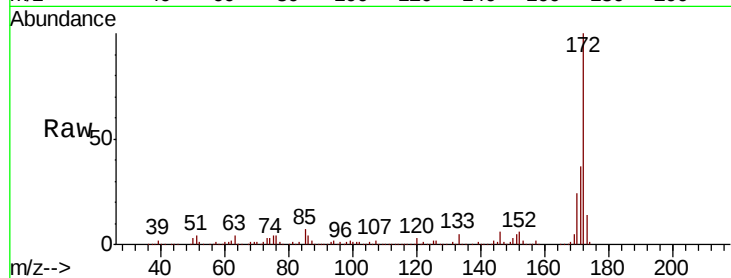




#45
 2-Fluorobiphenyl
 Concen: 80.420 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039522.D
 Acq: 15 Feb 2019 1:13

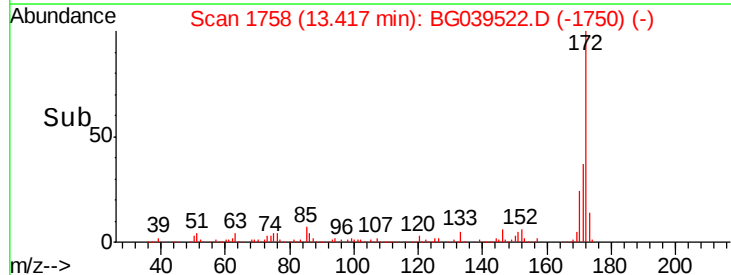
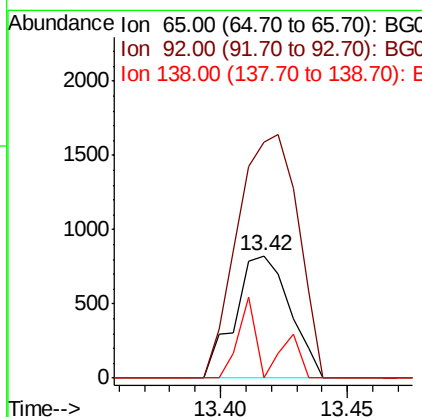
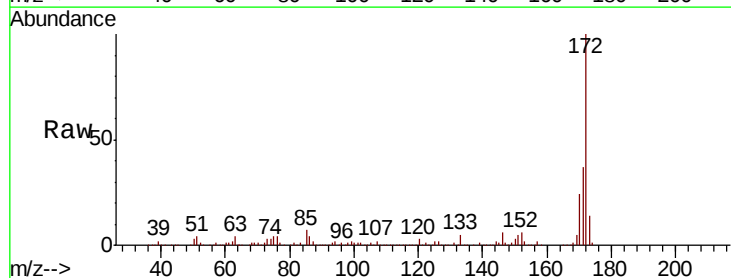
Instrument :
 BNA_G
 ClientSampleId :
 PB117115TB

Tgt Ion: 172 Resp: 756989
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.8 46.2
 170 24.2 20.2 30.4



#48
 2-Nitroaniline
 Concen: 8.719 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.48 min
 Lab File: BG039522.D
 Acq: 15 Feb 2019 1:13

Tgt Ion: 65 Resp: 1242
 Ion Ratio Lower Upper
 65 100
 92 193.2 51.4 77.2#
 138 0.0 71.4 107.2#

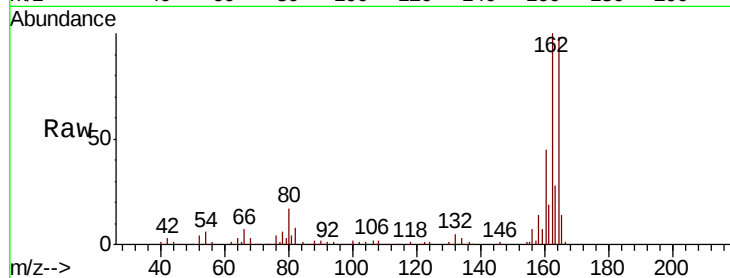




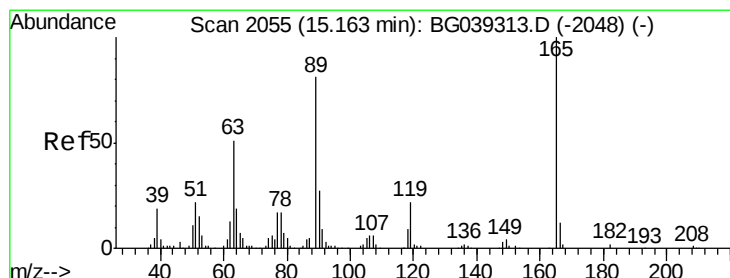
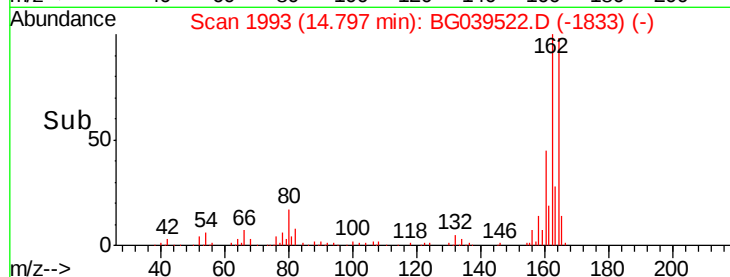
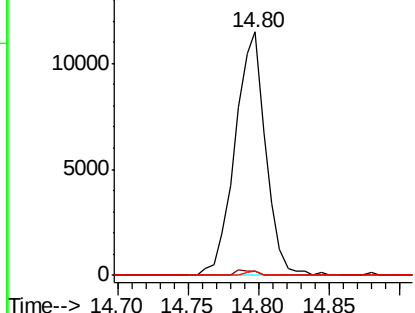
#51
 2,6-Dinitrotoluene
 Concen: 13.898 ng
 RT: 14.80 min Scan# 1993
 Delta R.T. 0.41 min
 Lab File: BG039522.D
 Acq: 15 Feb 2019 1:13

Instrument :
 BNA_G
 ClientSampleId :
 PB117115TB

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	47.0	70.6#
89	2.0	45.8	68.8#



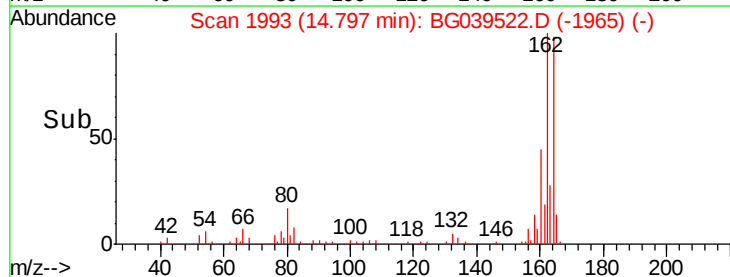
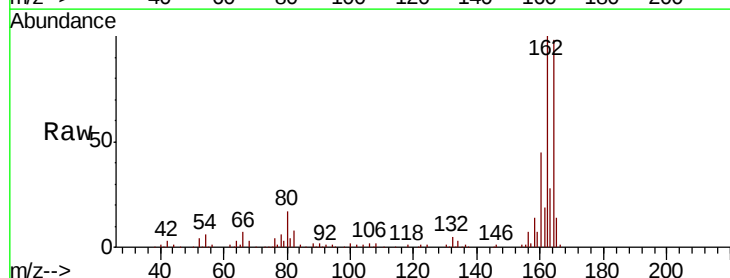
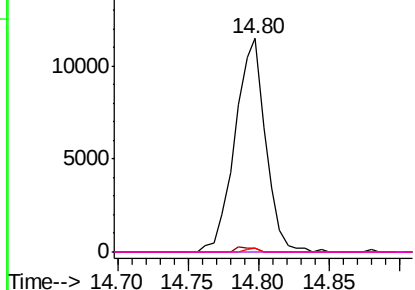
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

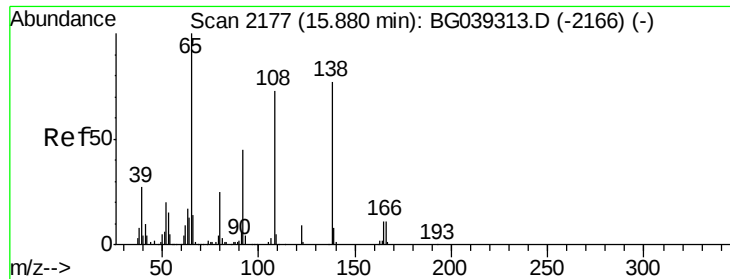


#57
 2,4-Dinitrotoluene
 Concen: 13.379 ng
 RT: 14.80 min Scan# 1993
 Delta R.T. -0.36 min
 Lab File: BG039522.D
 Acq: 15 Feb 2019 1:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	41.0	61.6#
89	2.0	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





#62

4-Nitroaniline

Concen: 4.225 ng

RT: 16.27 min Scan# 2243

Delta R.T. 0.39 min

Lab File: BG039522.D

Acq: 15 Feb 2019 1:13

Instrument :

BNA_G

ClientSampleId :

PB117115TB

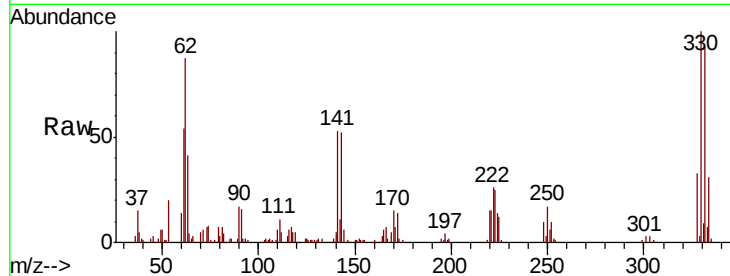
Tgt Ion:138 Resp: 56

Ion Ratio Lower Upper

138 100

92 528.1 38.7 78.7#

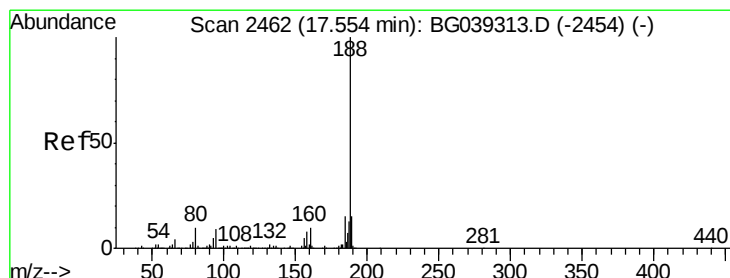
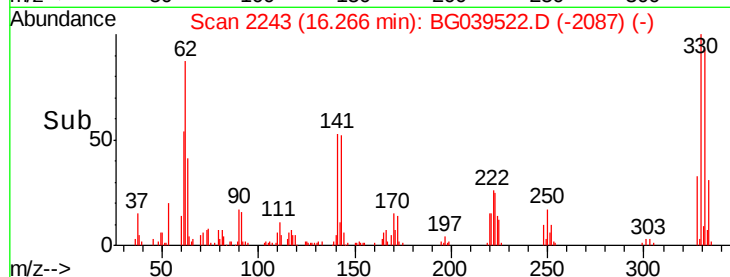
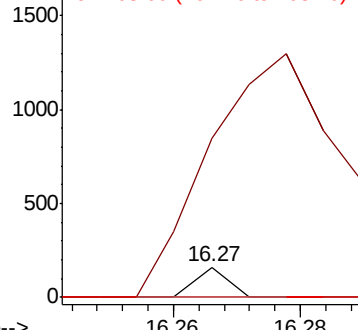
108 0.0 74.6 114.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039522.D

Acq: 15 Feb 2019 1:13

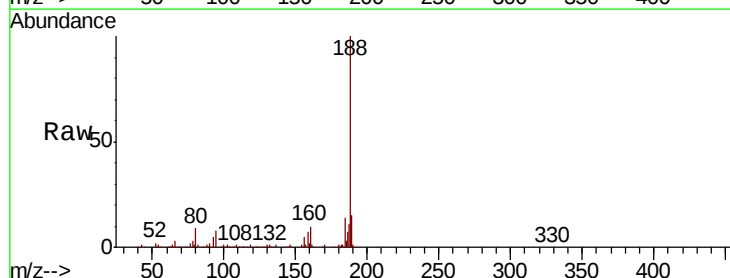
Tgt Ion:188 Resp: 342314

Ion Ratio Lower Upper

188 100

94 8.4 6.9 10.3

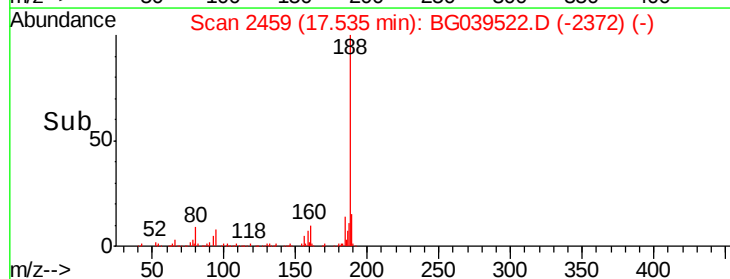
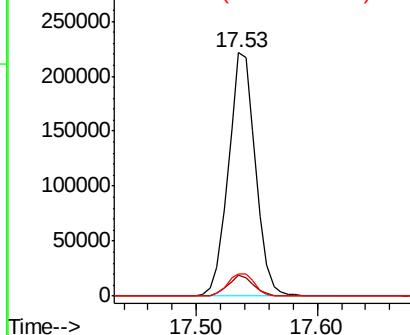
80 8.9 8.1 12.1

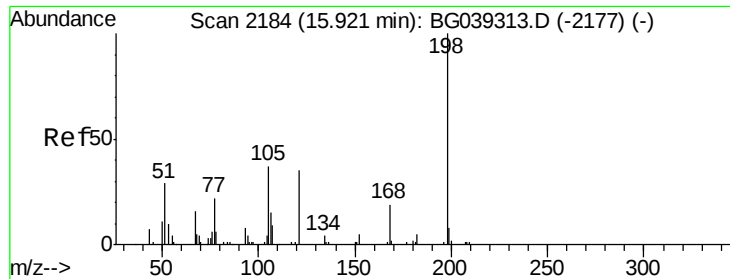


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

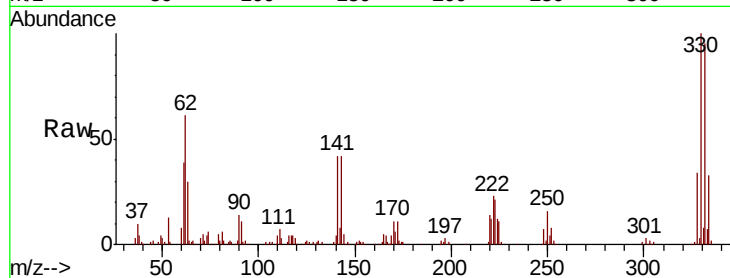




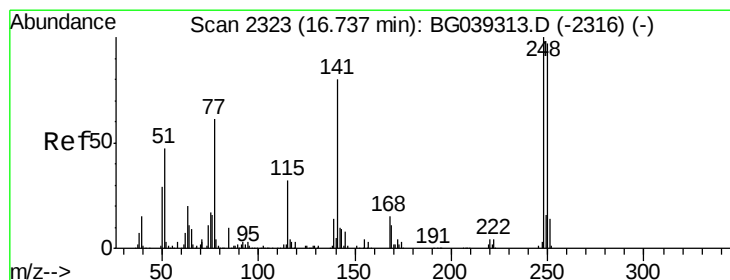
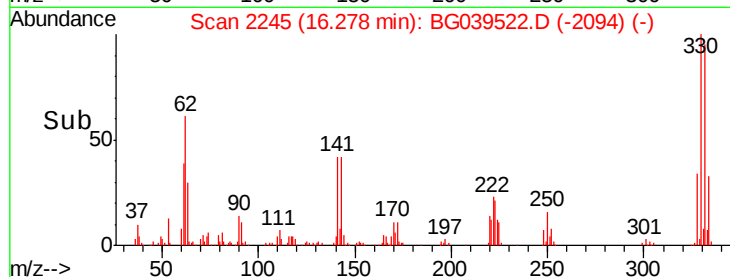
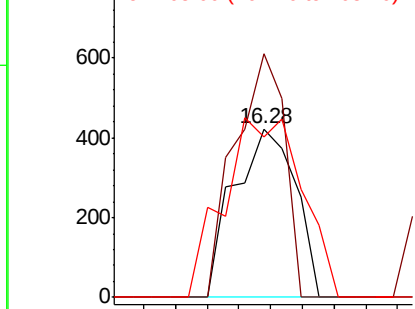
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.706 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. 0.36 min
 Lab File: BG039522.D
 Acq: 15 Feb 2019 1:13

Instrument :
 BNA_G
 ClientSampleId :
 PB117115TB

Tgt Ion:198 Resp: 568
 Ion Ratio Lower Upper
 198 100
 51 144.8 27.4 67.4#
 105 95.0 19.7 59.7#

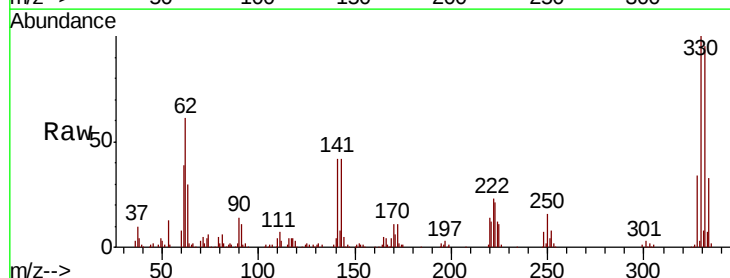


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

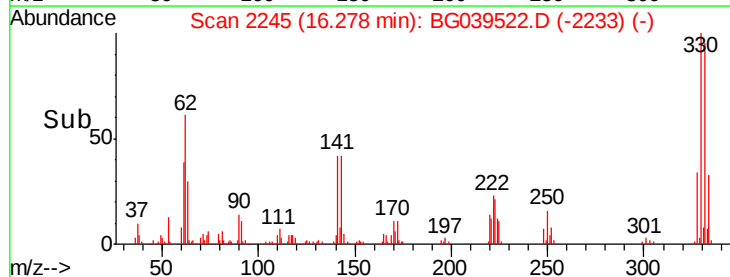
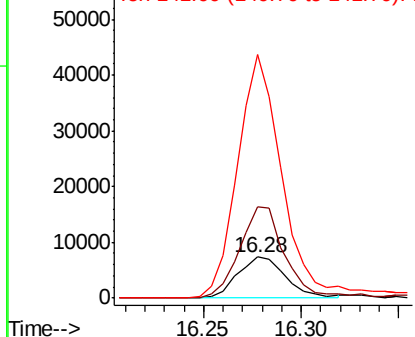


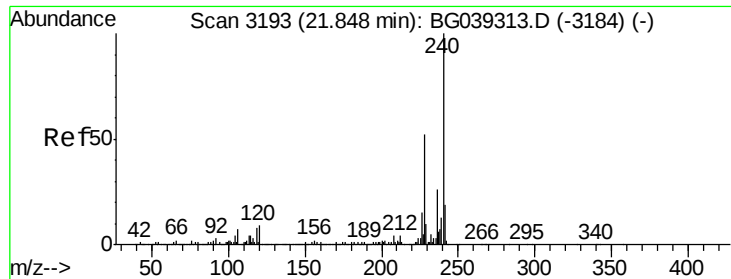
#67
 4-Bromophenyl-phenylether
 Concen: 3.296 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039522.D
 Acq: 15 Feb 2019 1:13

Tgt Ion:248 Resp: 12516
 Ion Ratio Lower Upper
 248 100
 250 224.5 77.6 116.4#
 141 595.0 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: 21.83 min Scan# 3190

Delta R.T. -0.02 min

Lab File: BG039522.D

Acq: 15 Feb 2019 1:13

Instrument :

BNA_G

ClientSampleId :

PB117115TB

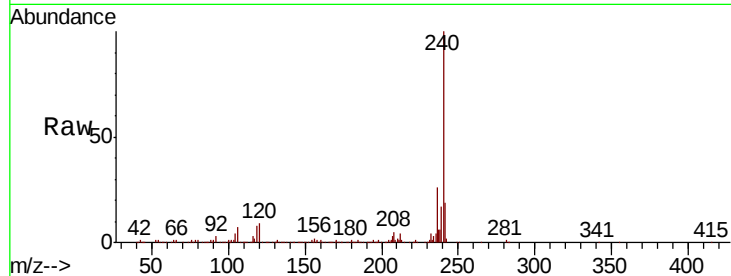
Tgt Ion:240 Resp: 358720

Ion Ratio Lower Upper

240 100

120 8.9 7.0 10.6

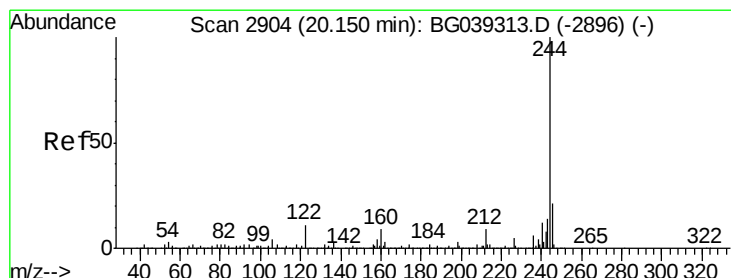
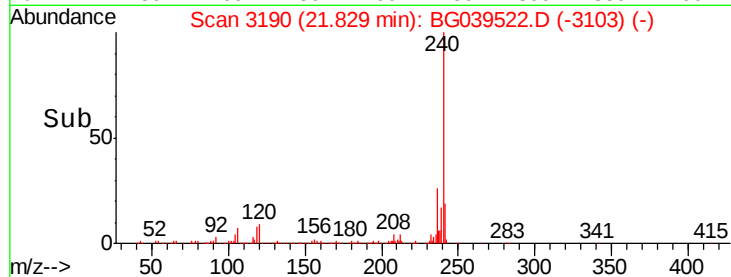
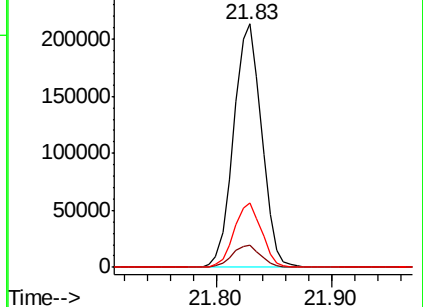
236 26.3 21.0 31.4



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: 76.208 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039522.D

Acq: 15 Feb 2019 1:13

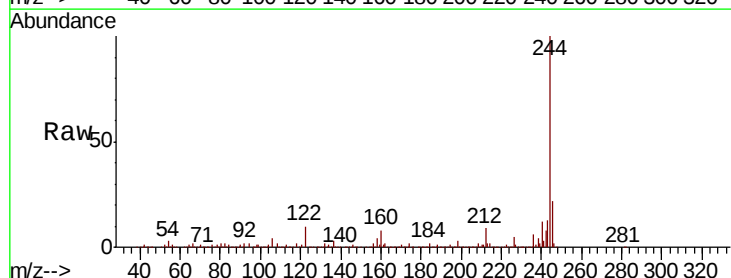
Tgt Ion:244 Resp: 1291509

Ion Ratio Lower Upper

244 100

212 8.8 7.3 10.9

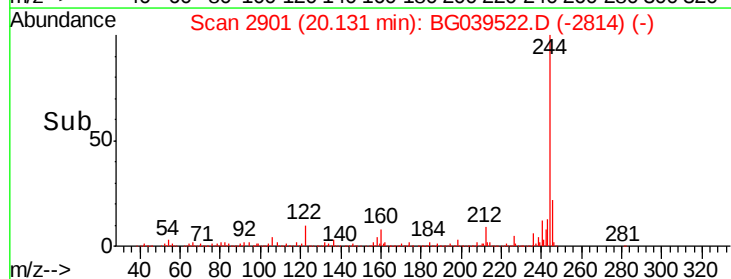
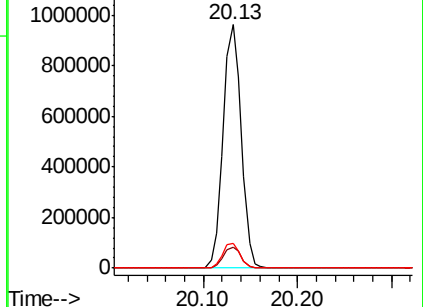
122 10.0 8.4 12.6

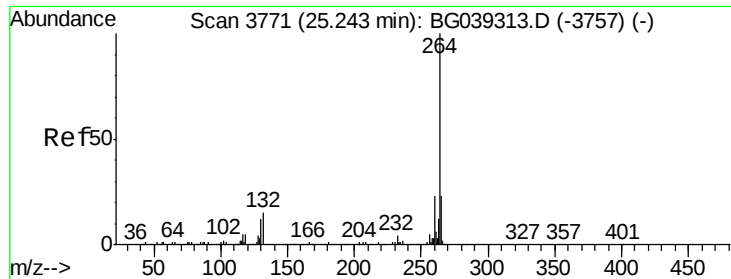


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

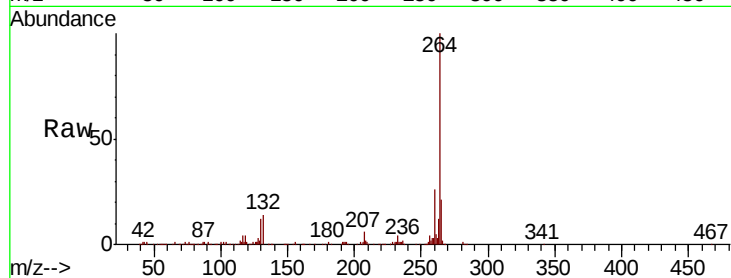




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.21 min Scan# 3765
Delta R.T. -0.04 min
Lab File: BG039522.D
Acq: 15 Feb 2019 1:13

Instrument :
BNA_G
ClientSampleId :
PB117115TB

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.6	18.2	27.4
265	20.5	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

