

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021519\
 Data File : BG039530.D
 Acq On : 15 Feb 2019 20:44
 Operator : JU/SJ
 Sample : K1358-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-021419

Quant Time: Feb 16 03:20:50 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

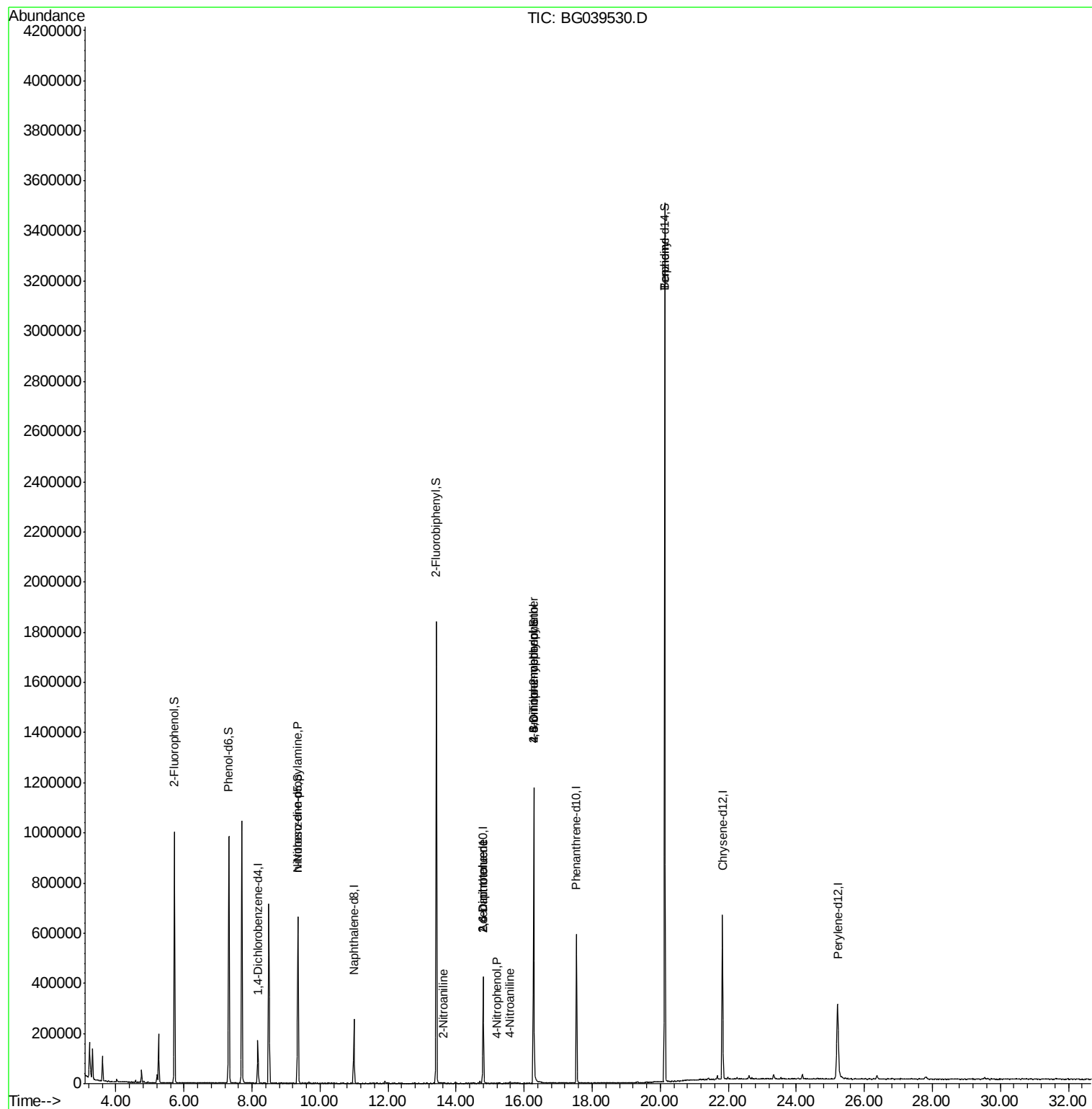
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	48549	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	215160	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	154743	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	379739	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	402352	20.00	ng	-0.02
87) Perylene-d12	25.22	264	400098	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	416277	146.75	ng	0.00
7) Phenol-d6	7.32	99	569480	136.39	ng	0.00
23) Nitrobenzene-d5	9.35	82	393822	114.35	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	215479	129.31	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	958309	88.84	ng	-0.02
79) Terphenyl-d14	20.13	244	1620080	85.23	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.31	77	1326	Below Cal	Qvalue #	4
19) n-Nitroso-di-n-propylamine	9.34	70	51707	17.448 ng	#	67
48) 2-Nitroaniline	13.61	65	56	8.313 ng	#	10
51) 2,6-Dinitrotoluene	14.79	165	19442	13.745 ng	#	25
56) 4-Nitrophenol	15.19	139	61	5.819 ng	#	1
57) 2,4-Dinitrotoluene	14.79	165	19442	13.264 ng	#	20
62) 4-Nitroaniline	15.59	138	87	4.233 ng	#	10
65) 4,6-Dinitro-2-methylphenol	16.28	198	760	4.816 ng	#	1
67) 4-Bromophenyl-phenylether	16.28	248	16400	3.893 ng	#	1
77) Benzidine	20.13	184	29376	2.227 ng	#	93

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

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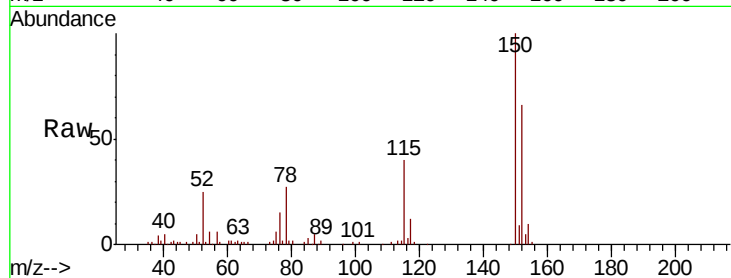


#1

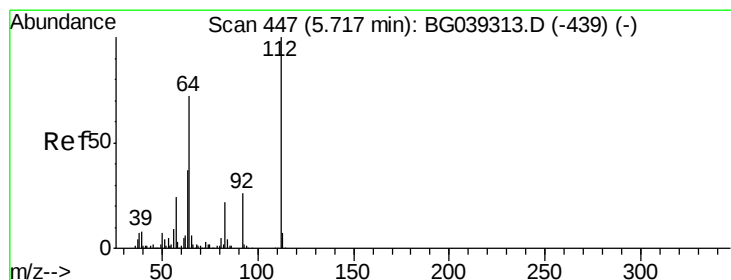
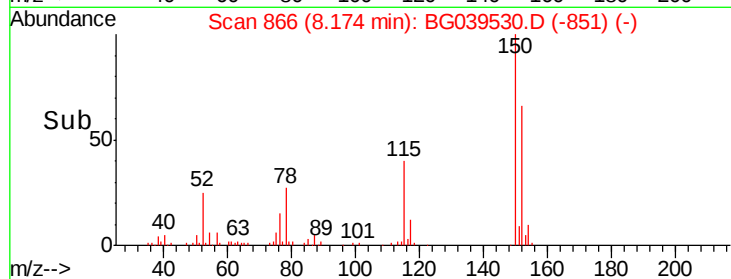
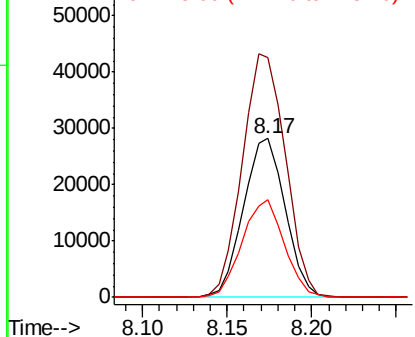
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.17 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: BG039530.D
 Acq: 15 Feb 2019 20:44

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-021419

Tgt Ion:152 Resp: 48549
 Ion Ratio Lower Upper
 152 100
 150 151.4 123.7 185.5
 115 61.2 45.9 68.9



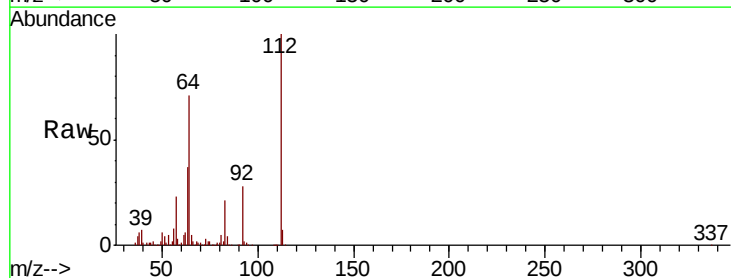
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



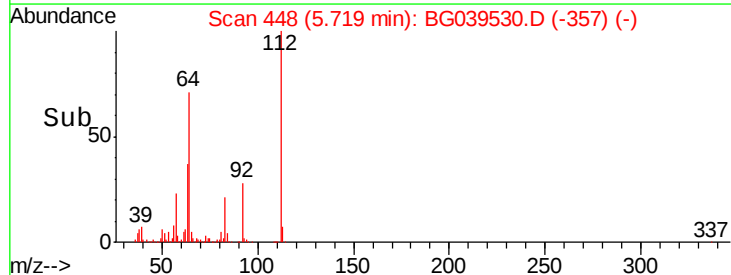
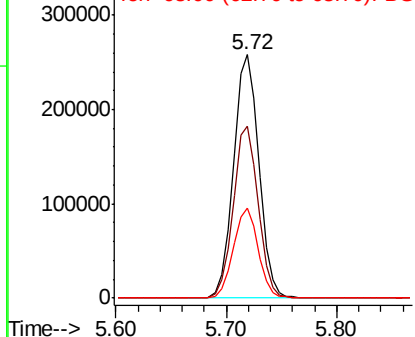
#5

2-Fluorophenol
 Concen: 146.751 ng
 RT: 5.72 min Scan# 448
 Delta R.T. 0.00 min
 Lab File: BG039530.D
 Acq: 15 Feb 2019 20:44

Tgt Ion:112 Resp: 416277
 Ion Ratio Lower Upper
 112 100
 64 70.6 57.8 86.8
 63 36.9 29.8 44.6



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: 136.388 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039530.D

Acq: 15 Feb 2019 20:44

Instrument :

BNA_G

ClientSampleId :

TR-04-021419

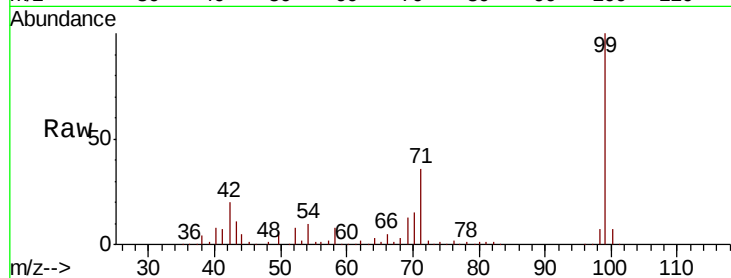
Tgt Ion: 99 Resp: 569480

Ion Ratio Lower Upper

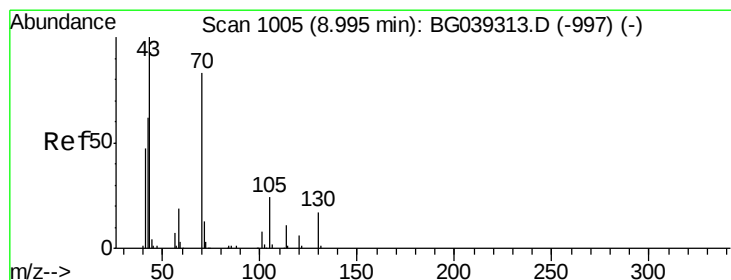
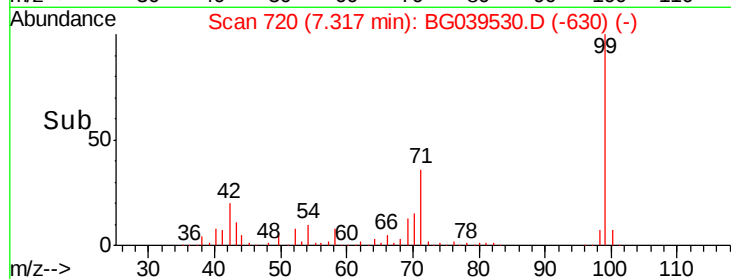
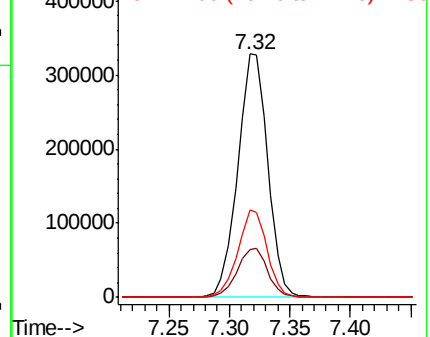
99 100

42 19.8 18.2 27.2

71 36.0 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: 17.448 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039530.D

Acq: 15 Feb 2019 20:44

Tgt Ion: 70 Resp: 51707

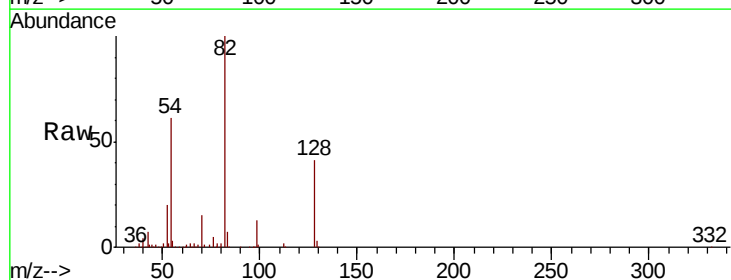
Ion Ratio Lower Upper

70 100

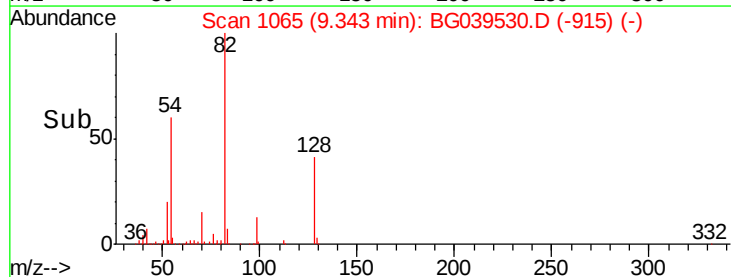
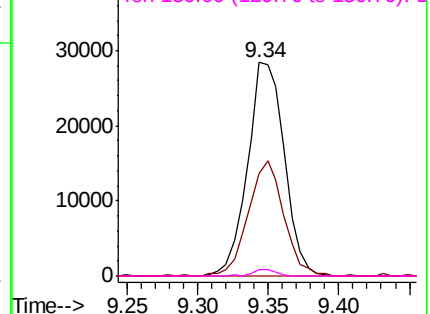
42 48.2 60.4 90.6#

101 0.0 7.5 11.3#

130 3.1 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

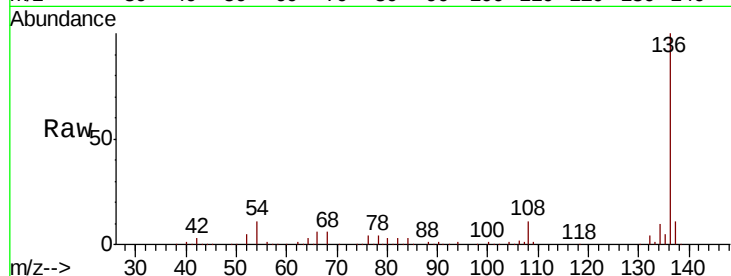




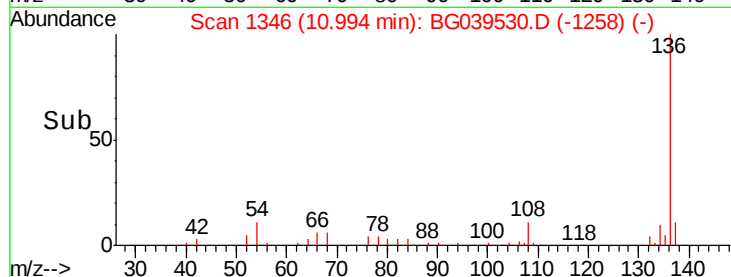
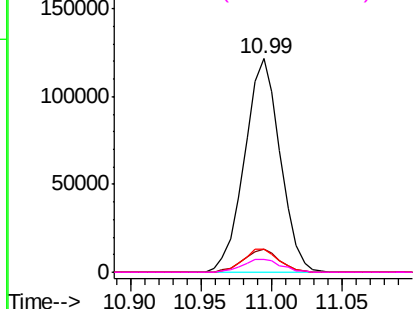
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1346
Delta R.T. -0.02 min
Lab File: BG039530.D
Acq: 15 Feb 2019 20:44

Instrument :
BNA_G
ClientSampleId :
TR-04-021419

Tgt Ion:	136	Resp:	215160
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	10.7	9.4	14.2
68	5.8	4.2	6.4

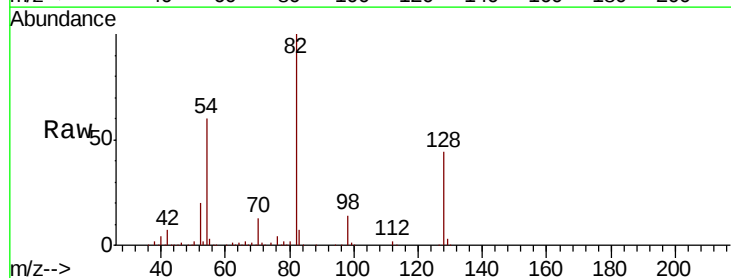


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

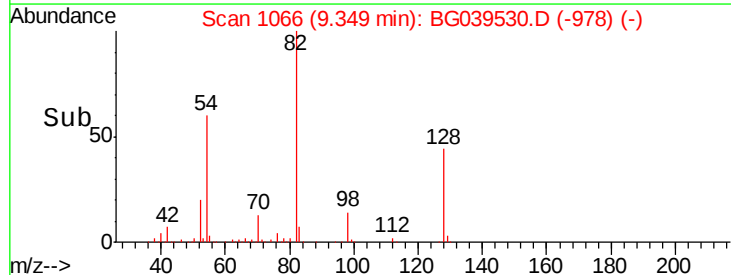
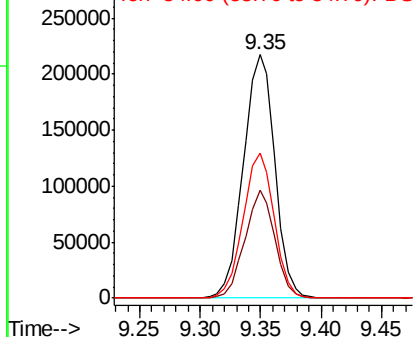


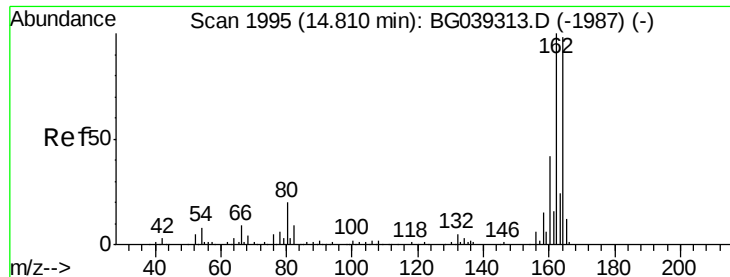
#23
Nitrobenzene-d5
Concen: 114.346 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039530.D
Acq: 15 Feb 2019 20:44

Tgt Ion:	82	Resp:	393822
Ion	Ratio	Lower	Upper
82	100		
128	44.3	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): E
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BG039530.D

Acq: 15 Feb 2019 20:44

Instrument :

BNA_G

ClientSampleId :

TR-04-021419

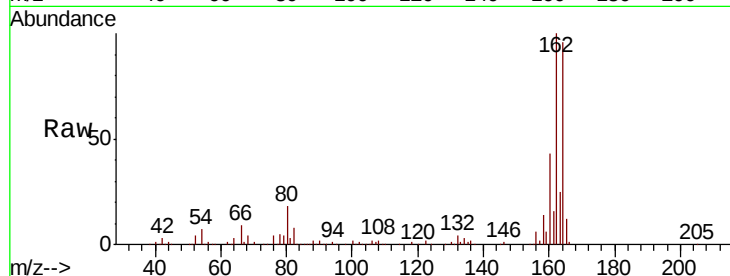
Tgt Ion:164 Resp: 154743

Ion Ratio Lower Upper

164 100

162 104.1 81.6 122.4

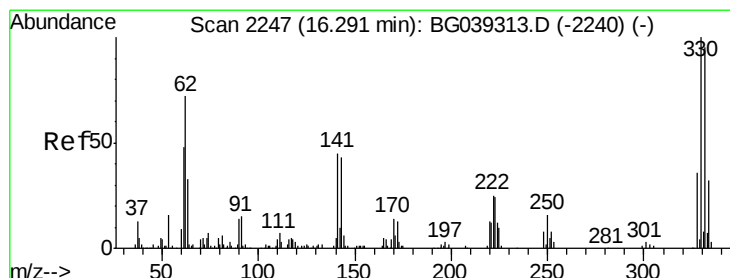
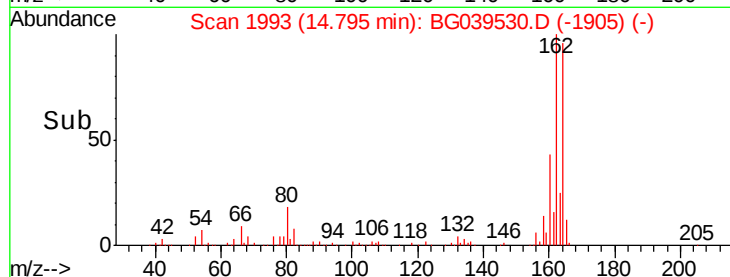
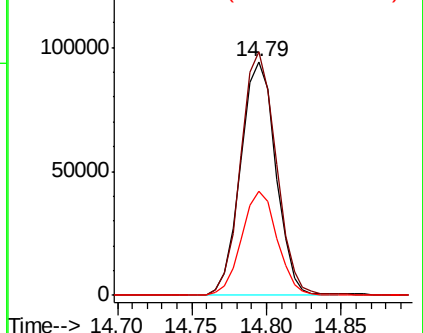
160 44.7 34.2 51.2



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: 129.315 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039530.D

Acq: 15 Feb 2019 20:44

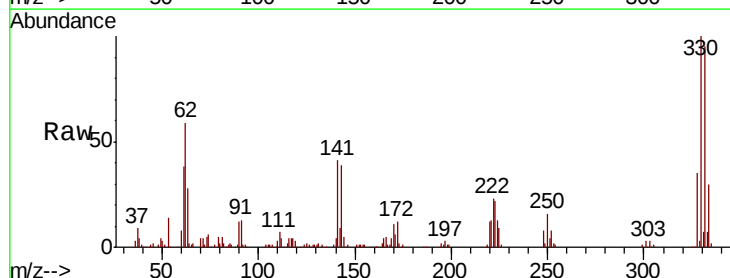
Tgt Ion:330 Resp: 215479

Ion Ratio Lower Upper

330 100

332 96.3 75.7 113.5

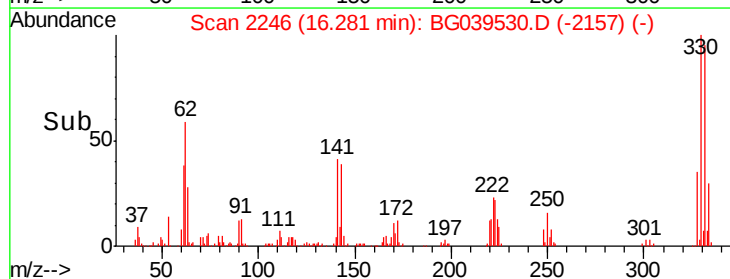
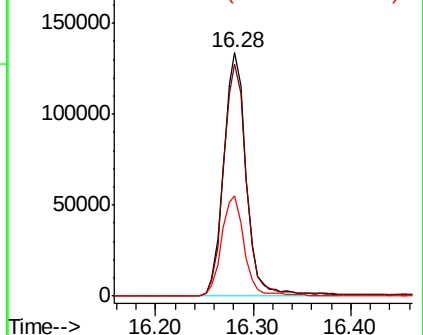
141 41.4 35.6 53.4



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

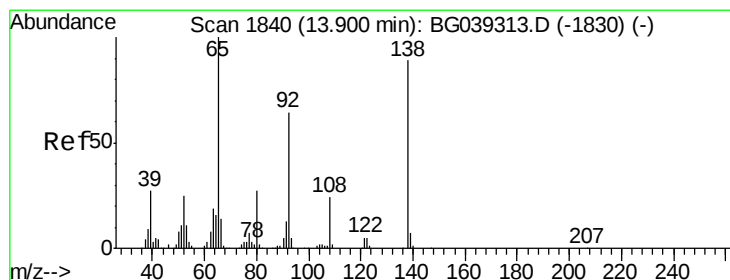
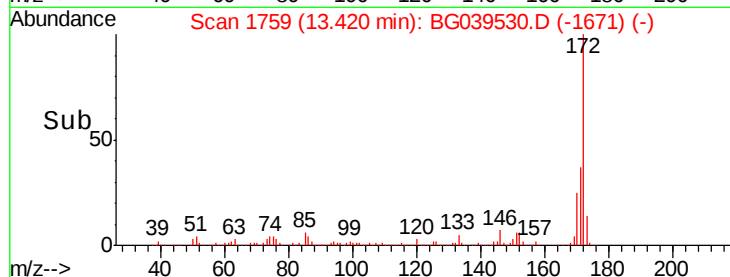
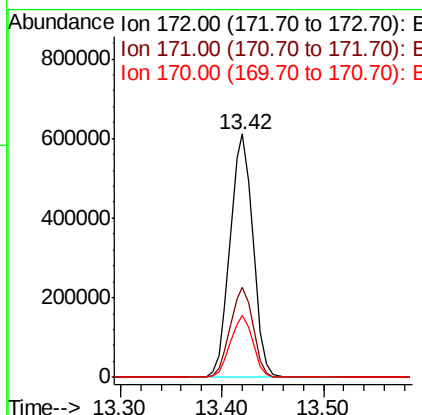
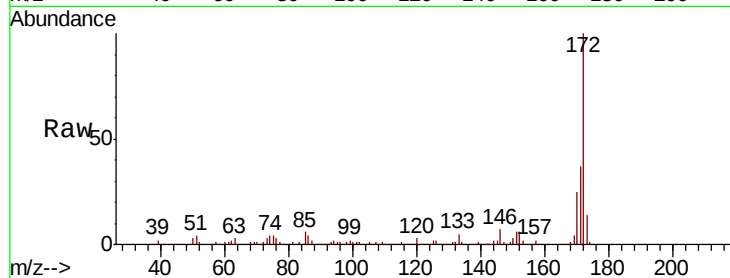




#45
 2-Fluorobiphenyl
 Concen: 88.840 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.02 min
 Lab File: BG039530.D
 Acq: 15 Feb 2019 20:44

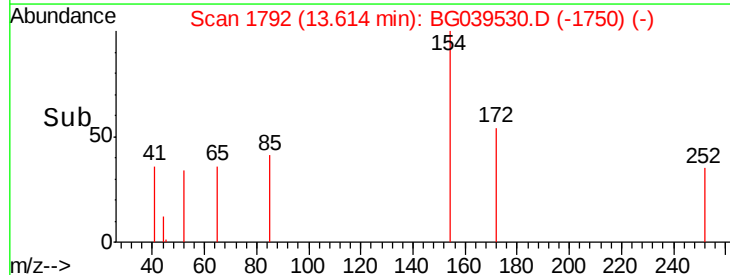
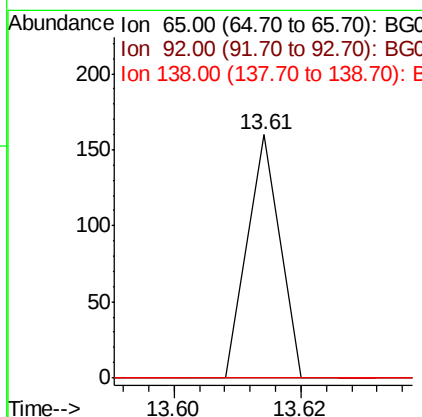
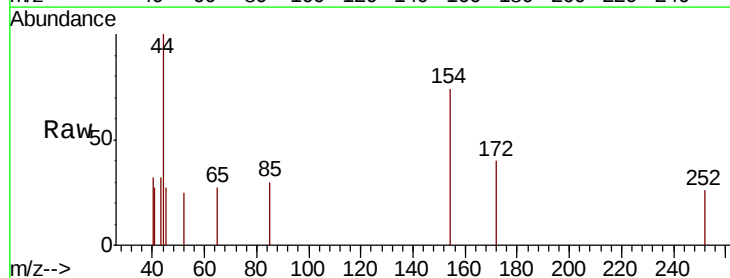
Instrument :
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 TR-04-021419

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.8	46.2
170	25.4	20.2	30.4



#48
 2-Nitroaniline
 Concen: 8.313 ng
 RT: 13.61 min Scan# 1792
 Delta R.T. -0.28 min
 Lab File: BG039530.D
 Acq: 15 Feb 2019 20:44

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

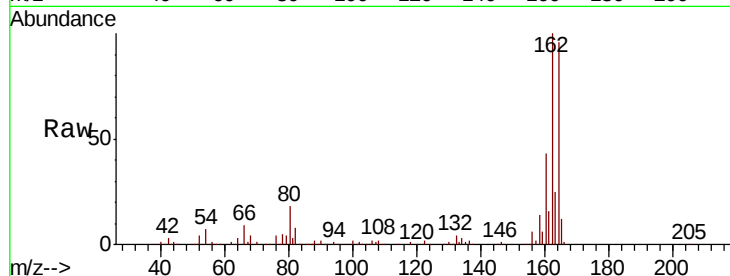




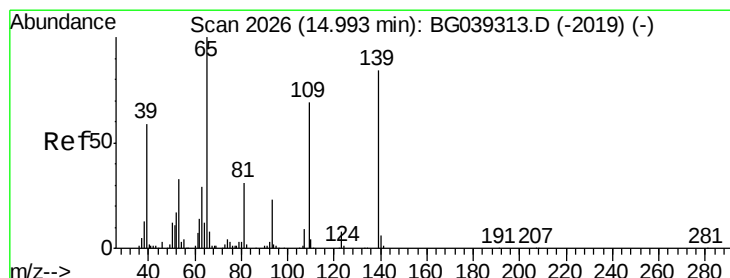
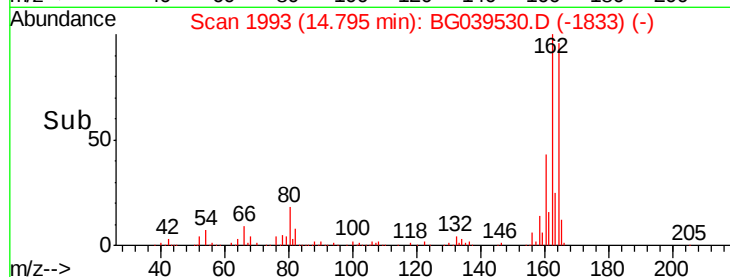
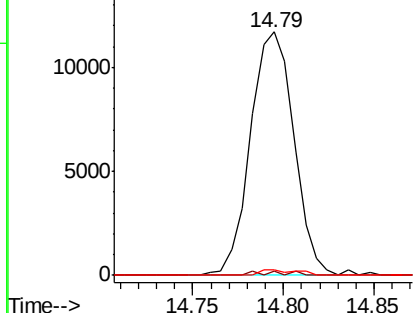
#51
 2,6-Dinitrotoluene
 Concen: 13.745 ng
 RT: 14.79 min Scan# 1993
 Delta R.T. 0.41 min
 Lab File: BG039530.D
 Acq: 15 Feb 2019 20:44

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-021419

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

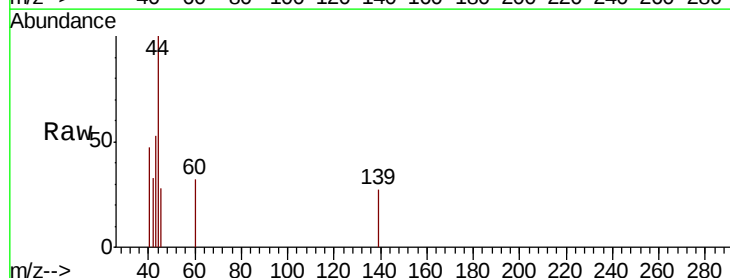


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

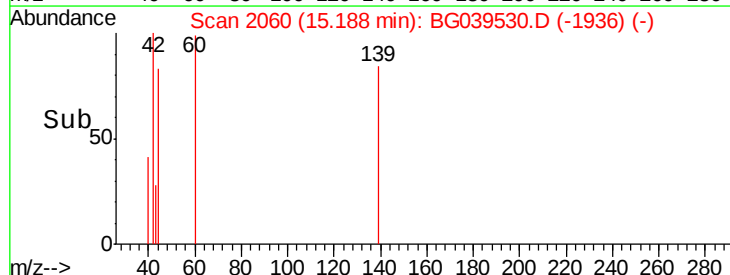
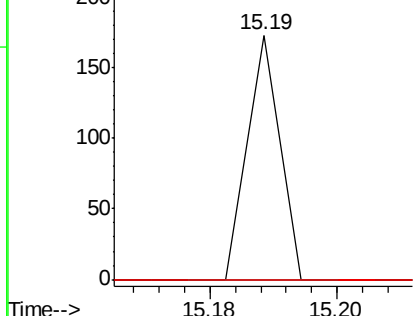


#56
 4-Nitrophenol
 Concen: 5.819 ng
 RT: 15.19 min Scan# 2060
 Delta R.T. 0.20 min
 Lab File: BG039530.D
 Acq: 15 Feb 2019 20:44

Tgt 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: 13.264 ng

RT: 14.79 min Scan# 1993

Delta R.T. -0.37 min

Lab File: BG039530.D

Acq: 15 Feb 2019 20:44

Instrument :

BNA_G

ClientSampleId :

TR-04-021419

Tgt Ion:165 Resp: 19442

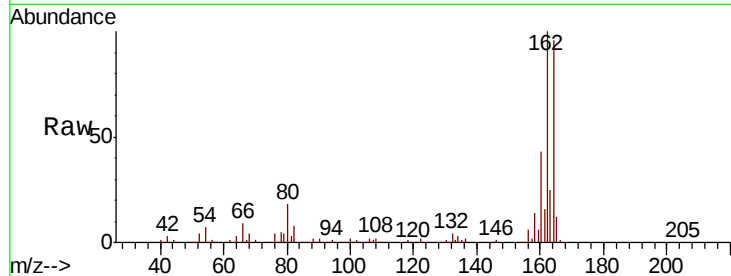
Ion Ratio Lower Upper

165 100

63 1.9 41.0 61.6#

89 2.0 64.6 96.8#

182 0.0 2.0 3.0#

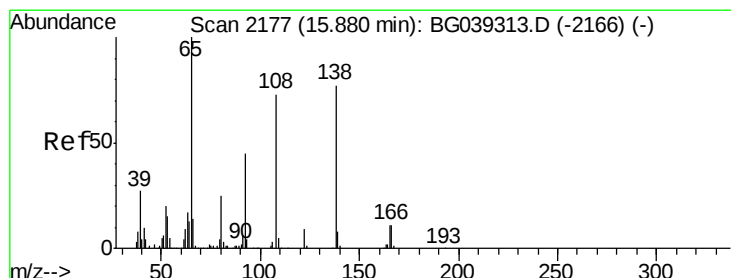
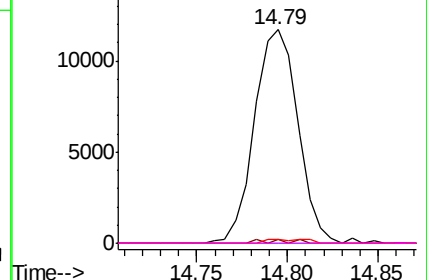
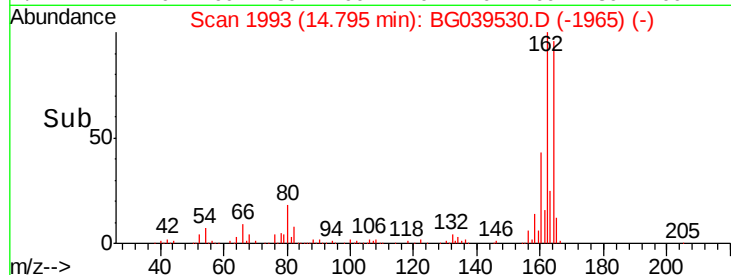


Abundance Ion 165.00 (164.70 to 165.70): E

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: 4.233 ng

RT: 15.59 min Scan# 2129

Delta R.T. -0.29 min

Lab File: BG039530.D

Acq: 15 Feb 2019 20:44

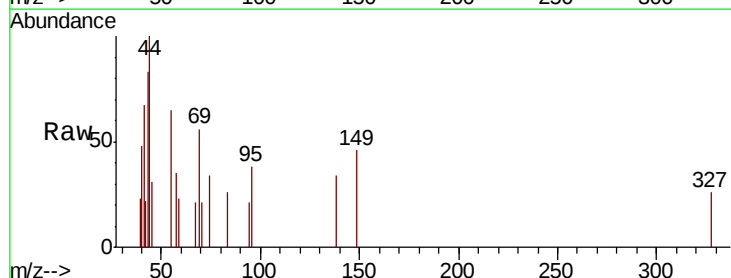
Tgt Ion:138 Resp: 87

Ion Ratio Lower Upper

138 100

92 0.0 38.7 78.7#

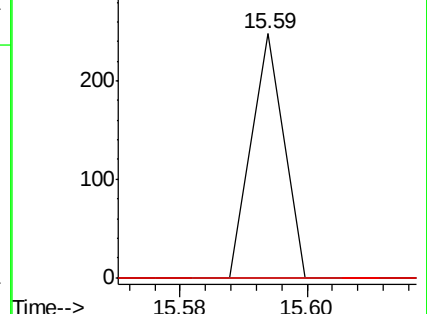
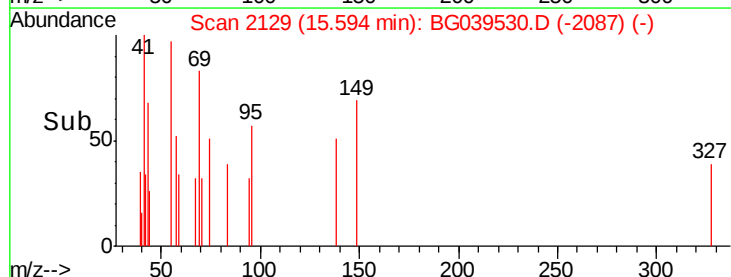
108 0.0 74.6 114.6#

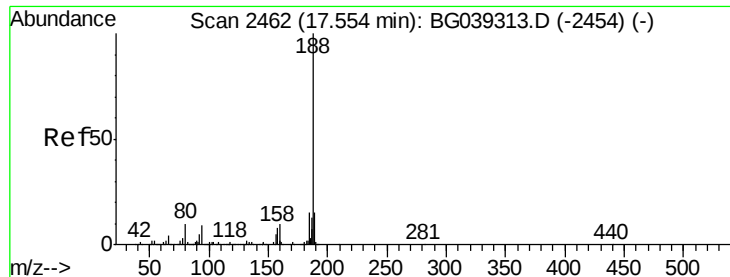


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.02 min

Lab File: BG039530.D

Acq: 15 Feb 2019 20:44

Instrument :

BNA_G

ClientSampleId :

TR-04-021419

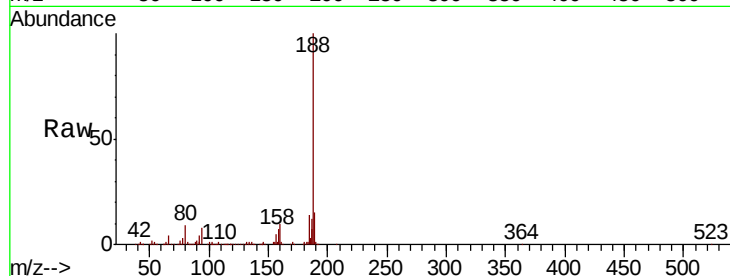
Tgt Ion:188 Resp: 379739

Ion Ratio Lower Upper

188 100

94 8.1 6.9 10.3

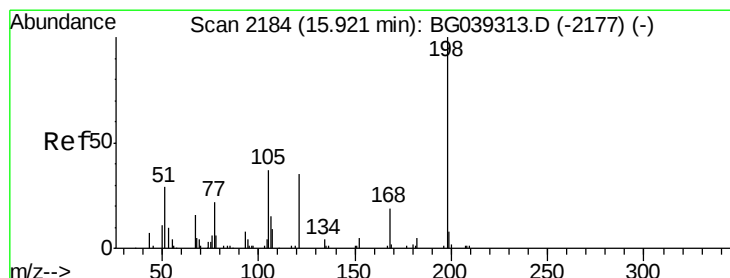
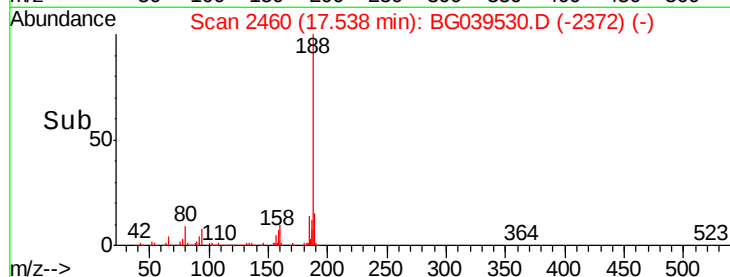
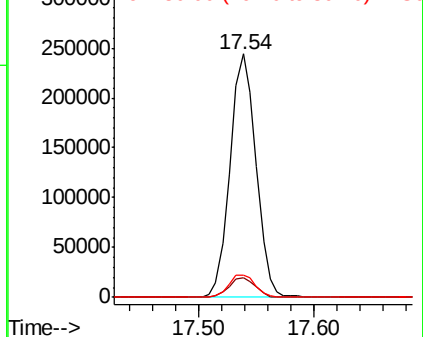
80 8.9 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#65

4,6-Dinitro-2-methylphenol

Concen: 4.816 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.36 min

Lab File: BG039530.D

Acq: 15 Feb 2019 20:44

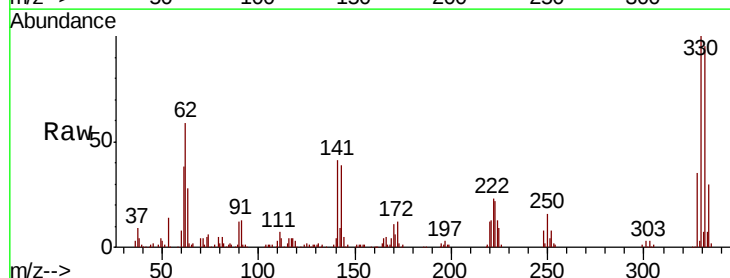
Tgt Ion:198 Resp: 760

Ion Ratio Lower Upper

198 100

51 102.0 27.4 67.4#

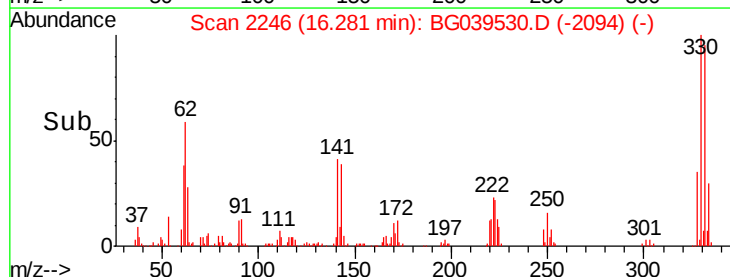
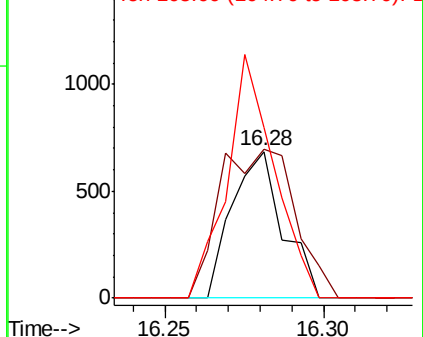
105 116.6 19.7 59.7#

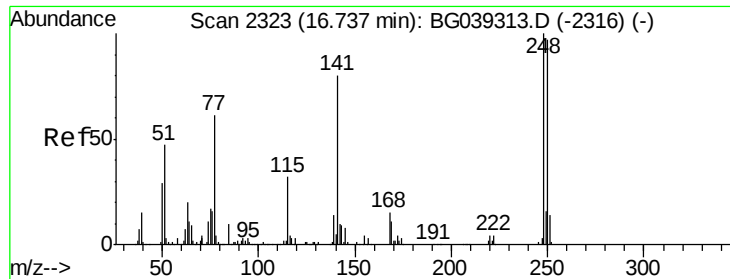


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E

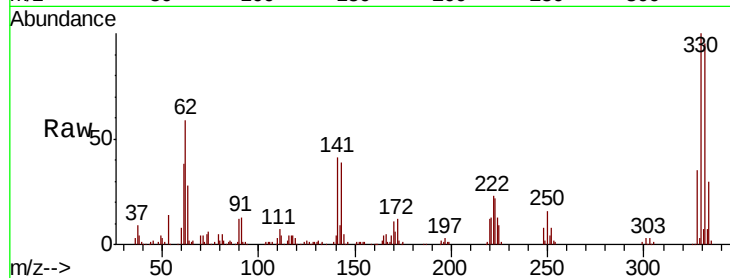




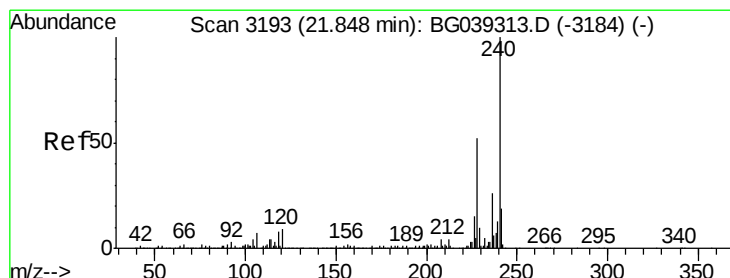
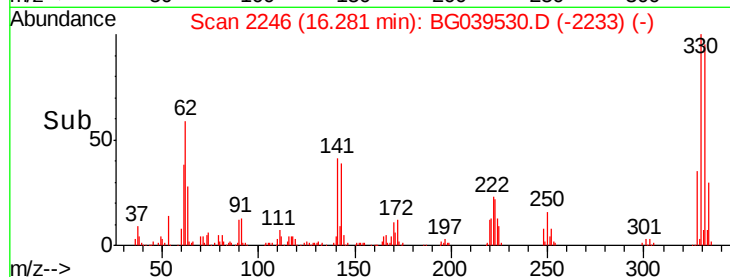
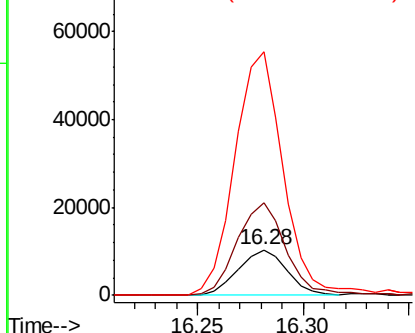
#67
 4-Bromophenyl-phenylether
 Concen: 3.893 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.46 min
 Lab File: BG039530.D
 Acq: 15 Feb 2019 20:44

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-021419

Tgt Ion:248 Resp: 16400
 Ion Ratio Lower Upper
 248 100
 250 202.5 77.6 116.4#
 141 531.7 63.9 95.9#

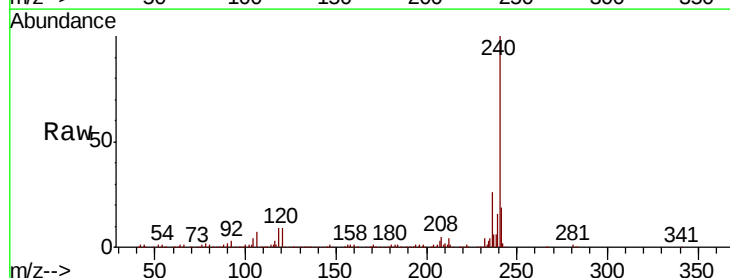


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

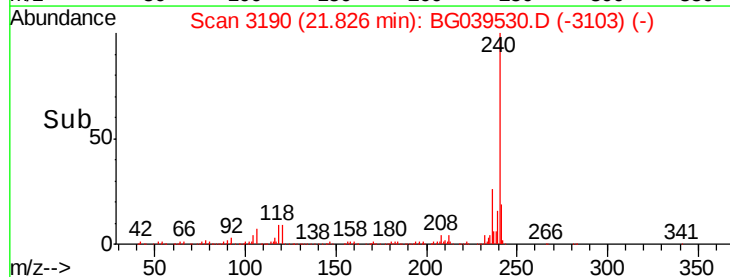
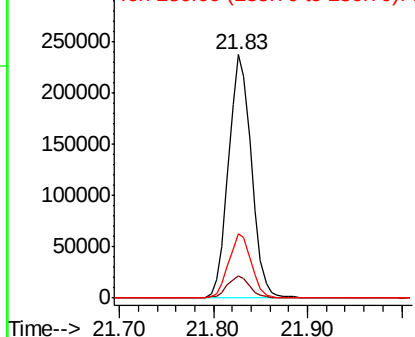


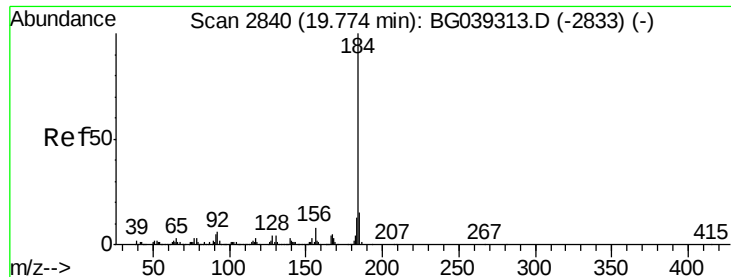
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3190
 Delta R.T. -0.02 min
 Lab File: BG039530.D
 Acq: 15 Feb 2019 20:44

Tgt Ion:240 Resp: 402352
 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





#77

Benzidine

Concen: 2.227 ng

RT: 20.13 min Scan# 2902

Delta R.T. 0.36 min

Lab File: BG039530.D

Acq: 15 Feb 2019 20:44

Instrument :

BNA_G

ClientSampleId :

TR-04-021419

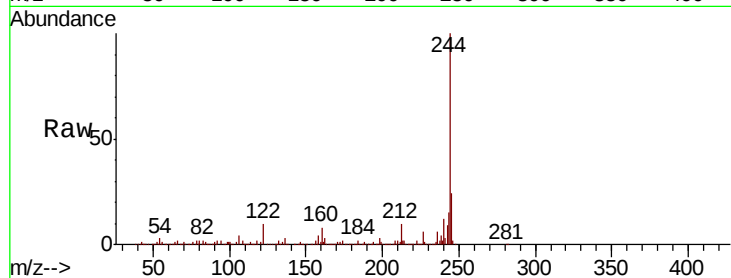
Tgt Ion:184 Resp: 29376

Ion Ratio Lower Upper

184 100

185 17.2 12.2 18.2

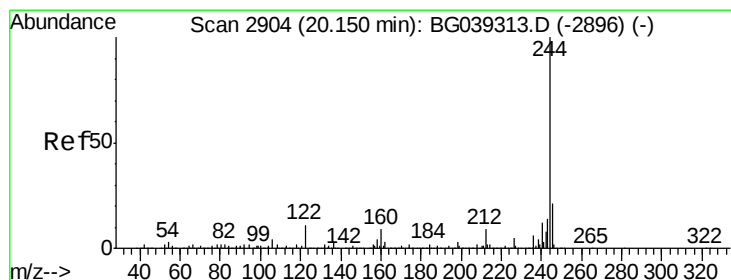
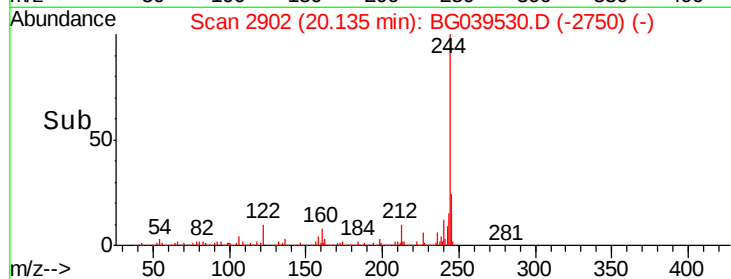
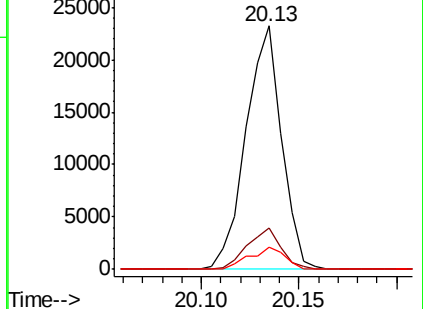
183 9.4 10.6 15.8#



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: 85.229 ng

RT: 20.13 min Scan# 2902

Delta R.T. -0.02 min

Lab File: BG039530.D

Acq: 15 Feb 2019 20:44

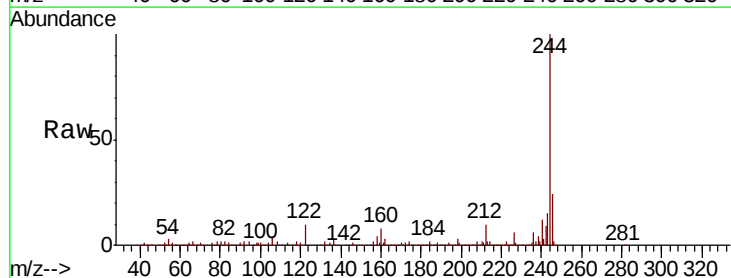
Tgt Ion:244 Resp: 1620080

Ion Ratio Lower Upper

244 100

212 9.9 7.3 10.9

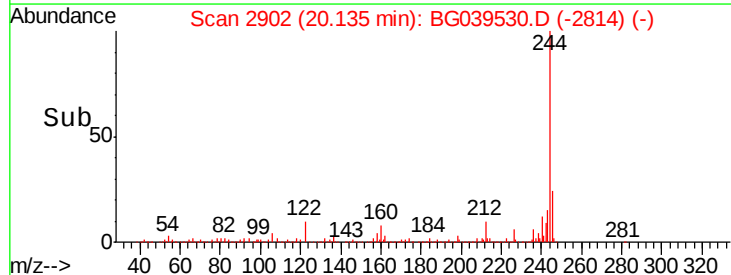
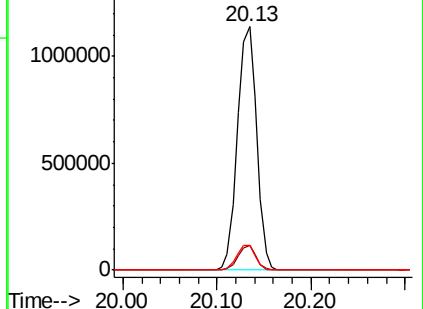
122 10.1 8.4 12.6

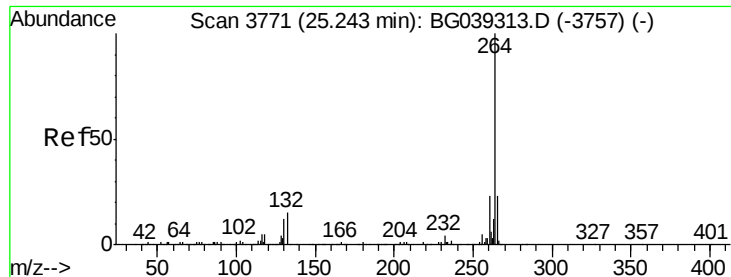


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.22 min Scan# 3767
Delta R.T. -0.03 min
Lab File: BG039530.D
Acq: 15 Feb 2019 20:44

Instrument :
BNA_G
ClientSampleId :
TR-04-021419

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.2	27.4
265	21.0	18.5	27.7

