

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG020619\
 Data File : BG039375.D
 Acq On : 6 Feb 2019 17:56
 Operator : JU/SJ
 Sample : PB116873BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB116873BL

Quant Time: Feb 06 23:50:12 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

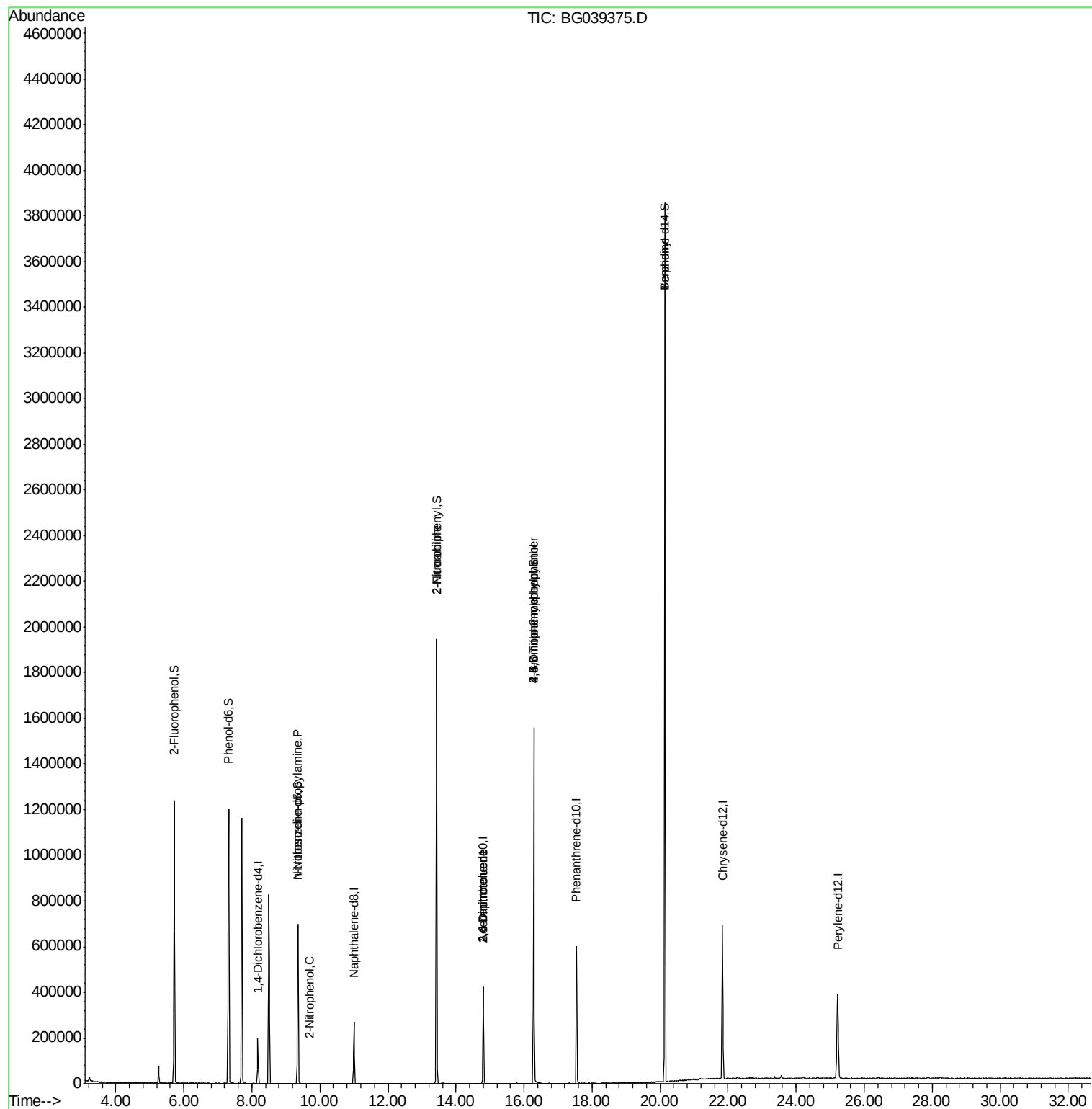
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	54546	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	231808	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	147704	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	370901	20.00	ng	-0.01
76) Chrysene-d12	21.84	240	416947	20.00	ng	-0.01
87) Perylene-d12	25.22	264	414705	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	508391	159.52	ng	0.00
7) Phenol-d6	7.31	99	710358	151.42	ng	0.00
23) Nitrobenzene-d5	9.35	82	411150	110.80	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	269829	169.65	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	1024444	99.50	ng	0.00
79) Terphenyl-d14	20.14	244	1690466	85.82	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.31	77	1197	Below Cal	Qvalue	# 4
19) n-Nitroso-di-n-propylamine	9.35	70	53685	16.123 ng	#	71
26) 2-Nitrophenol	9.69	139	59	4.049 ng	#	31
48) 2-Nitroaniline	13.42	65	1844	8.871 ng	#	5
51) 2,6-Dinitrotoluene	14.80	165	18637	13.776 ng	#	23
57) 2,4-Dinitrotoluene	14.80	165	18637	13.287 ng	#	18
65) 4,6-Dinitro-2-methylphenol	16.28	198	1025	5.061 ng	#	1
67) 4-Bromophenyl-phenylether	16.28	248	20484	4.978 ng	#	1
77) Benzidine	20.14	184	30105	2.202 ng	#	94

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

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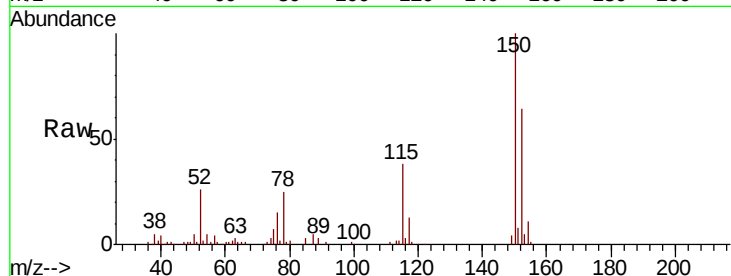


#1

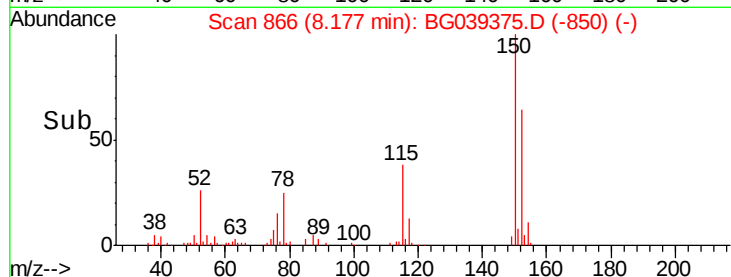
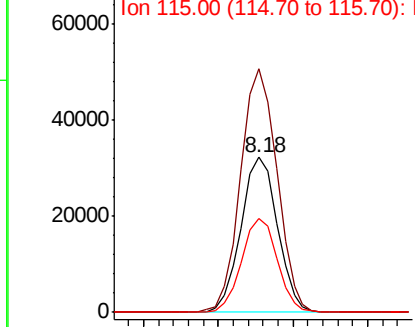
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.18 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: BG039375.D
 Acq: 6 Feb 2019 17:56

Instrument :
 BNA_G
 ClientSampleId :
 PB116873BL

Tgt Ion:152 Resp: 54546
 Ion Ratio Lower Upper
 152 100
 150 157.1 123.7 185.5
 115 60.3 45.9 68.9



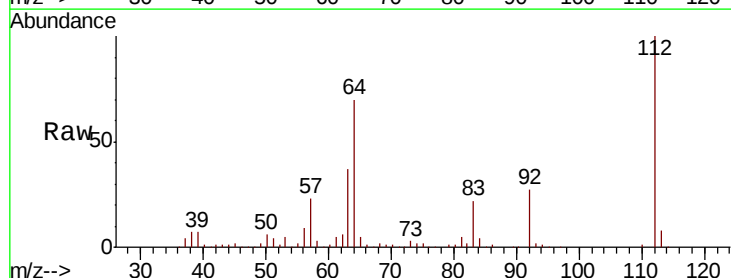
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



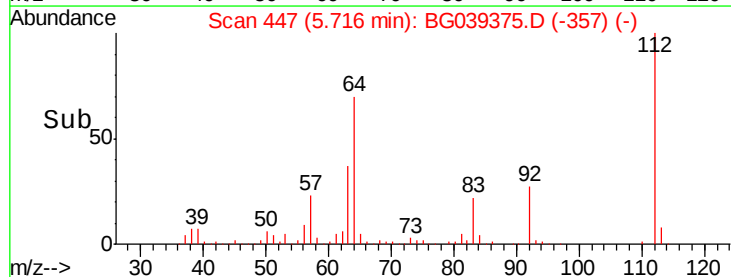
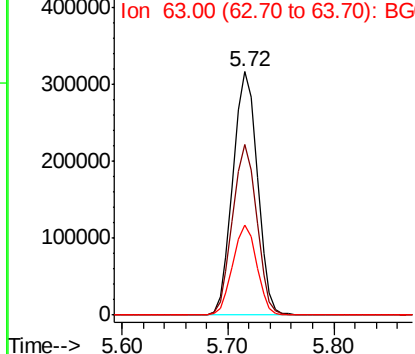
#5

2-Fluorophenol
 Concen: 159.520 ng
 RT: 5.72 min Scan# 447
 Delta R.T. -0.00 min
 Lab File: BG039375.D
 Acq: 6 Feb 2019 17:56

Tgt Ion:112 Resp: 508391
 Ion Ratio Lower Upper
 112 100
 64 70.2 57.8 86.8
 63 36.8 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: 151.424 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039375.D

Acq: 6 Feb 2019 17:56

Instrument :

BNA_G

ClientSampleId :

PB116873BL

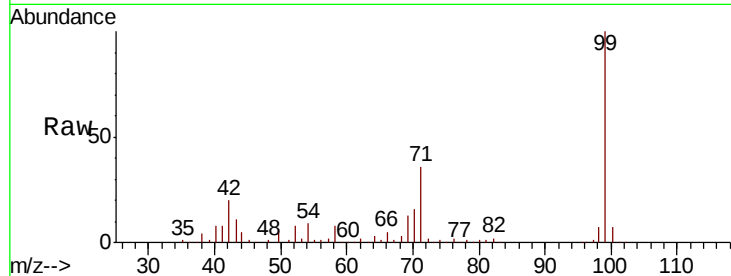
Tgt Ion: 99 Resp: 710358

Ion Ratio Lower Upper

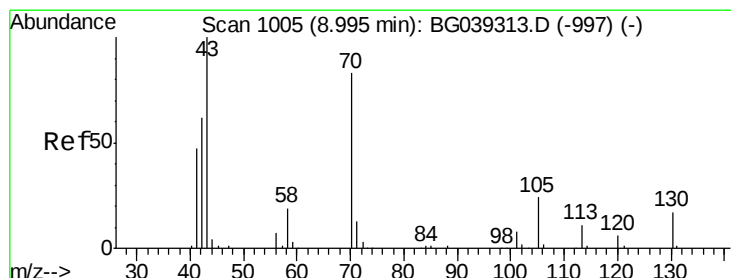
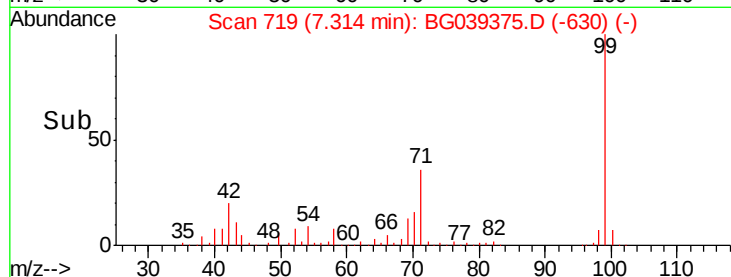
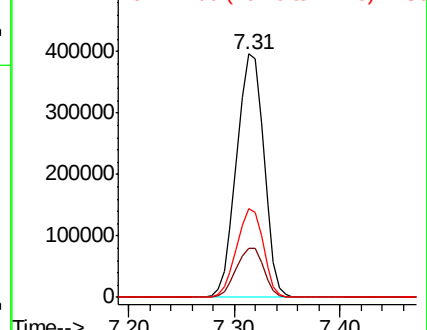
99 100

42 20.4 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: 16.123 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039375.D

Acq: 6 Feb 2019 17:56

Tgt Ion: 70 Resp: 53685

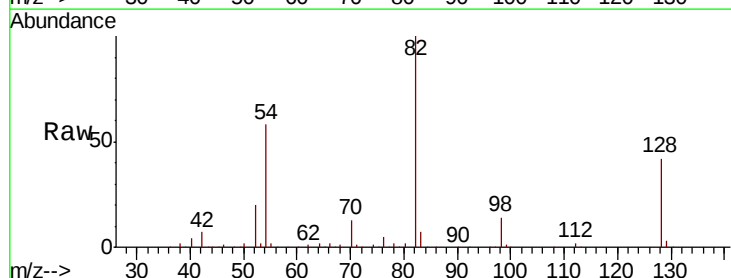
Ion Ratio Lower Upper

70 100

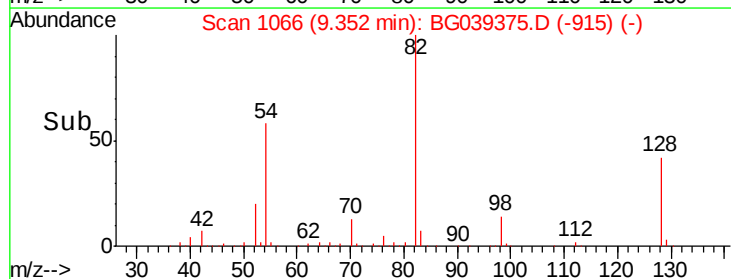
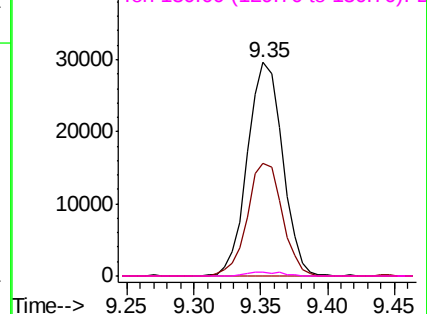
42 52.9 60.4 90.6#

101 0.0 7.5 11.3#

130 1.9 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

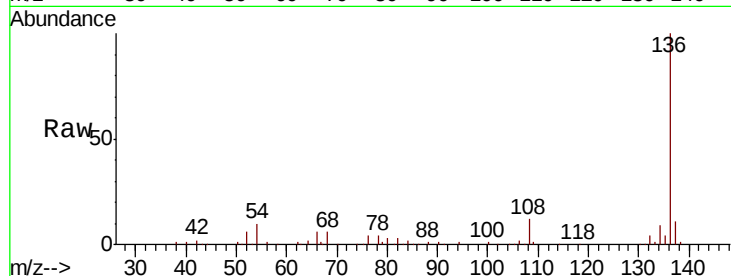




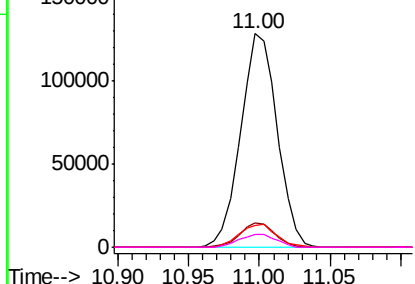
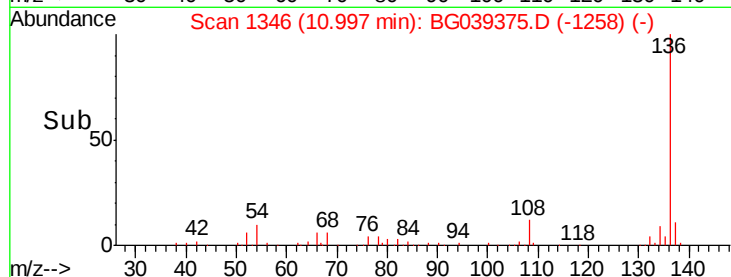
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039375.D
Acq: 6 Feb 2019 17:56

Instrument :
BNA_G
ClientSampleId :
PB116873BL

Tgt Ion:	136	Resp:	231808
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	10.5	9.4	14.2
68	5.7	4.2	6.4

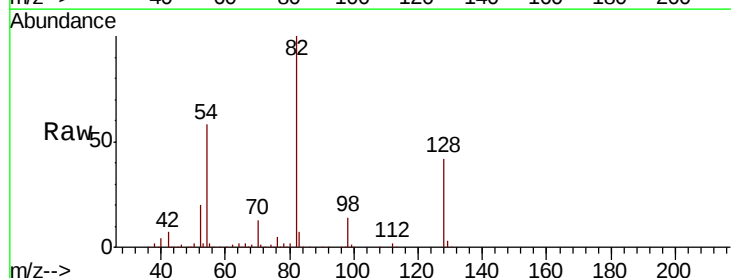


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

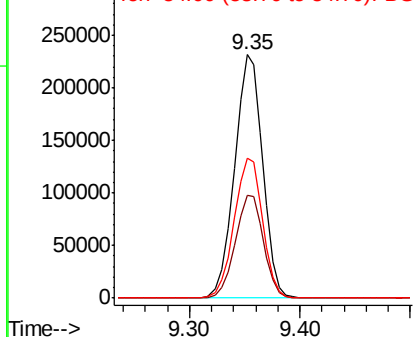
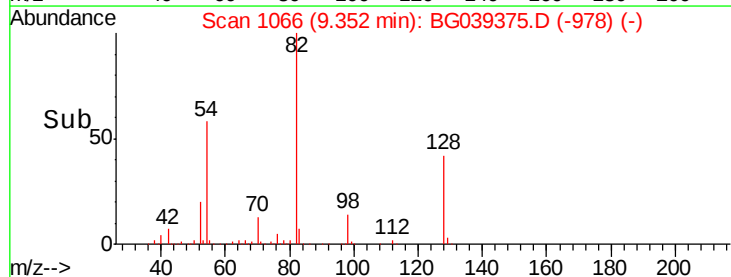


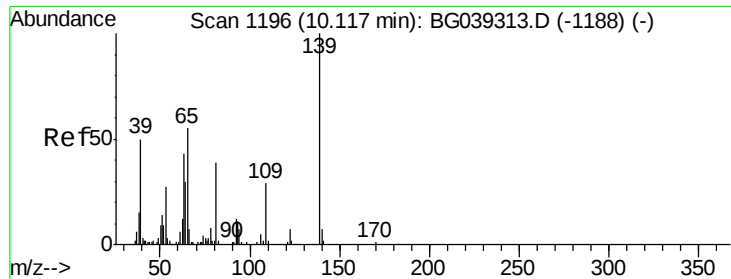
#23
Nitrobenzene-d5
Concen: 110.804 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039375.D
Acq: 6 Feb 2019 17:56

Tgt Ion:	82	Resp:	411150
Ion	Ratio	Lower	Upper
82	100		
128	42.4	31.3	46.9
54	57.7	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

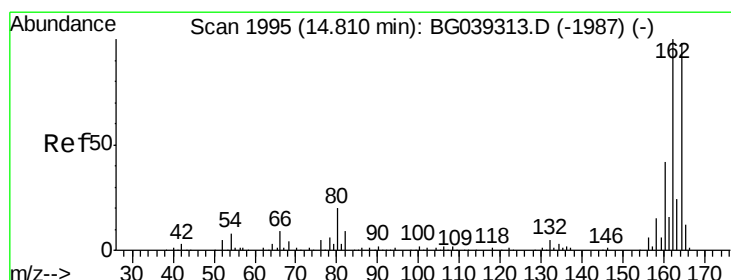
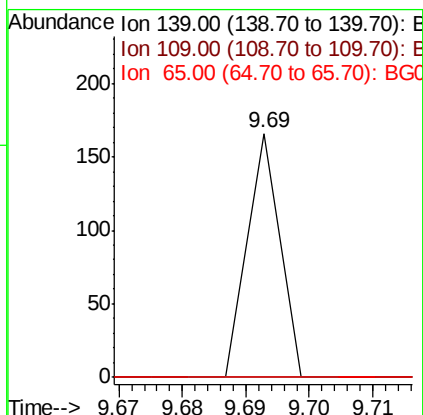
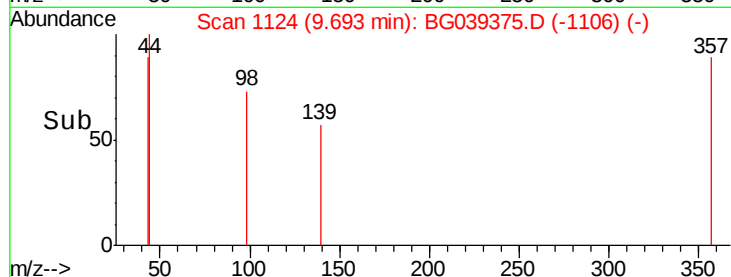
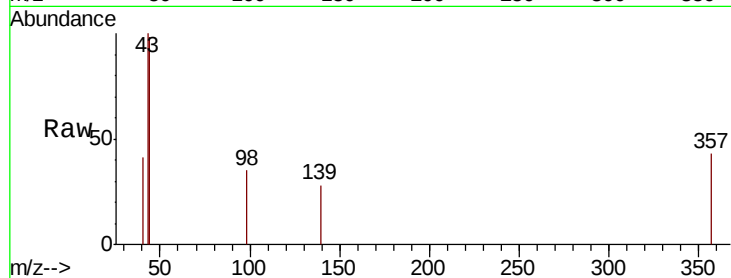




#26
2-Nitrophenol
Concen: 4.049 ng
RT: 9.69 min Scan# 1124
Delta R.T. -0.42 min
Lab File: BG039375.D
Acq: 6 Feb 2019 17:56

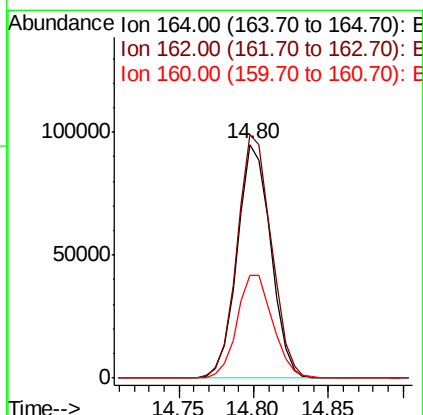
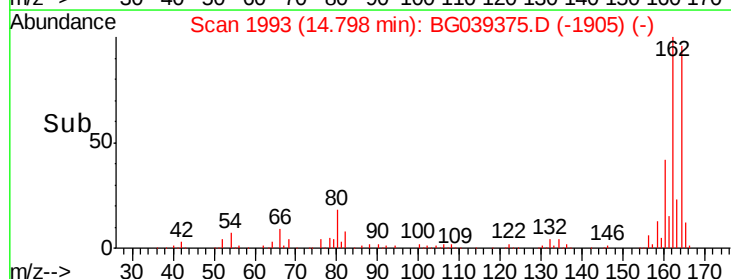
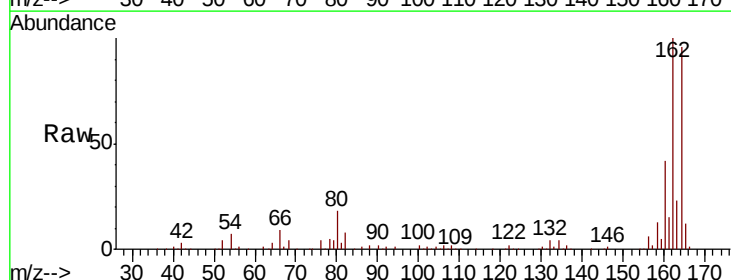
Instrument :
BNA_G
ClientSampleId :
PB116873BL

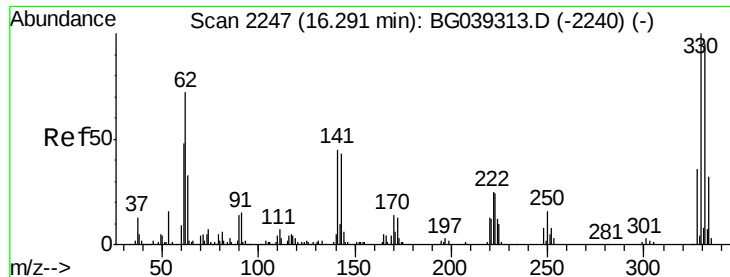
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	23.4	35.0#
65	0.0	44.3	66.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BG039375.D
Acq: 6 Feb 2019 17:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	81.6	122.4
160	43.9	34.2	51.2





#42

2,4,6-Tribromophenol

Concen: 169.648 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039375.D

Acq: 6 Feb 2019 17:56

Instrument :

BNA_G

ClientSampleId :

PB116873BL

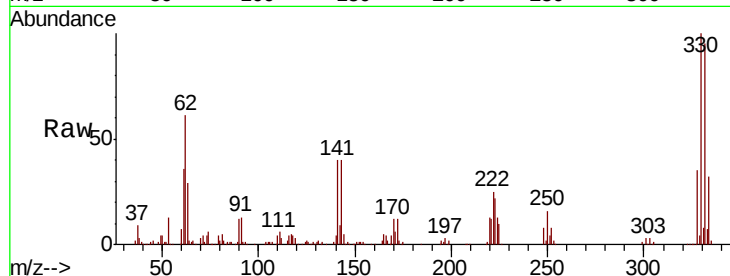
Tgt Ion:330 Resp: 269829

Ion Ratio Lower Upper

330 100

332 95.3 75.7 113.5

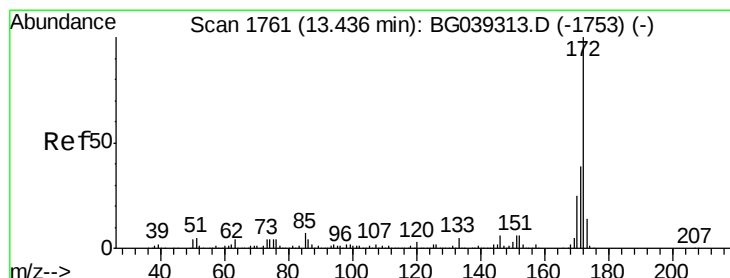
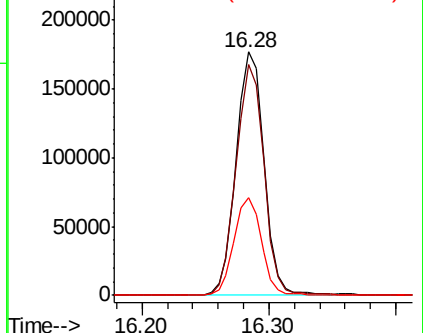
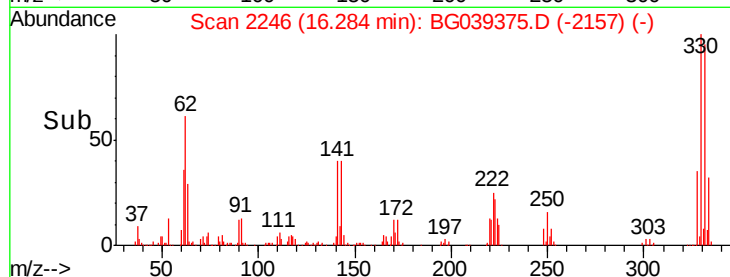
141 39.6 35.6 53.4



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: 99.497 ng

RT: 13.43 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BG039375.D

Acq: 6 Feb 2019 17:56

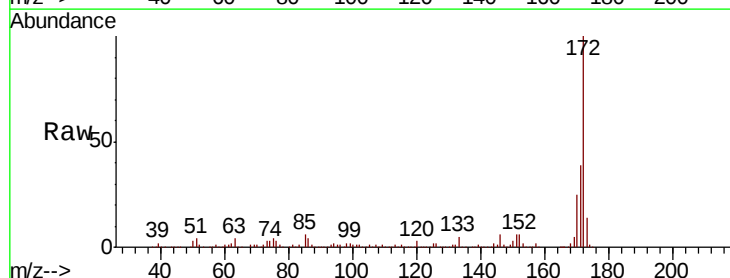
Tgt Ion:172 Resp: 1024444

Ion Ratio Lower Upper

172 100

171 38.6 30.8 46.2

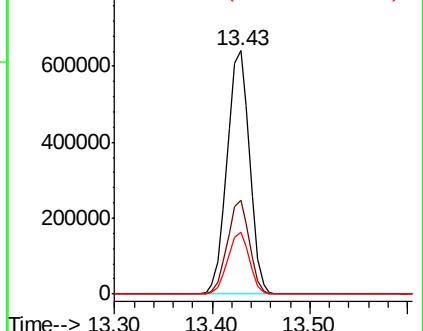
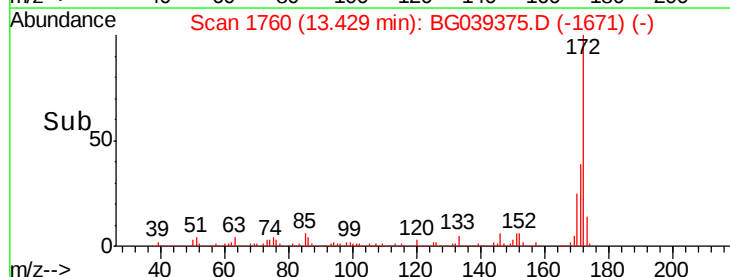
170 25.3 20.2 30.4

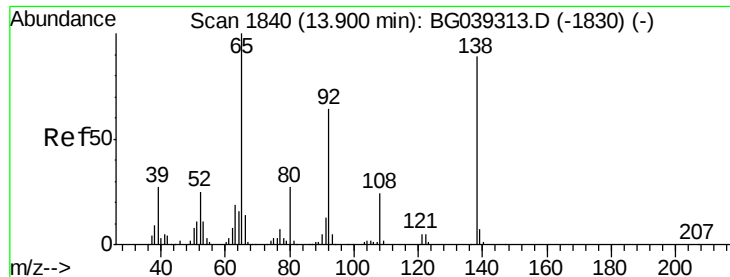


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 8.871 ng

RT: 13.42 min Scan# 1759

Delta R.T. -0.48 min

Lab File: BG039375.D

Acq: 6 Feb 2019 17:56

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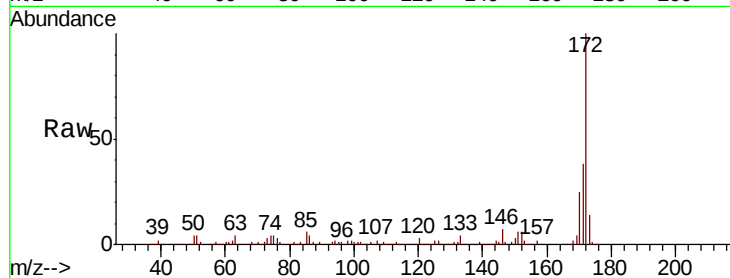
Tgt Ion: 65 Resp: 1844

Ion Ratio Lower Upper

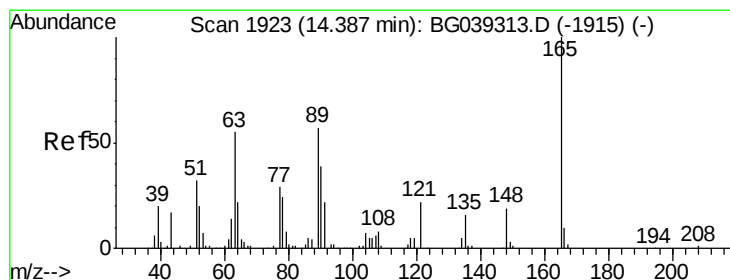
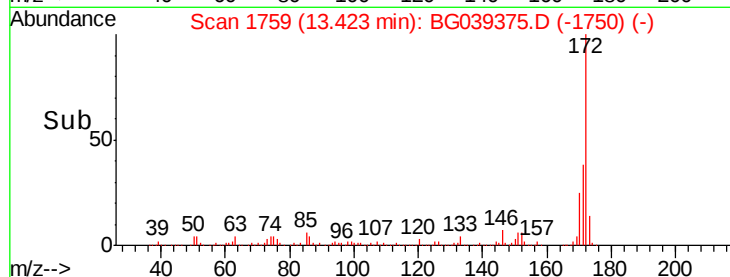
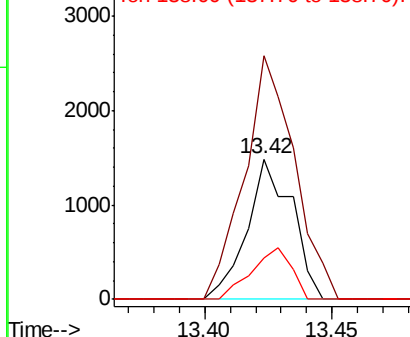
65 100

92 173.9 51.4 77.2#

138 29.7 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#51

2,6-Dinitrotoluene

Concen: 13.776 ng

RT: 14.80 min Scan# 1993

Delta R.T. 0.41 min

Lab File: BG039375.D

Acq: 6 Feb 2019 17:56

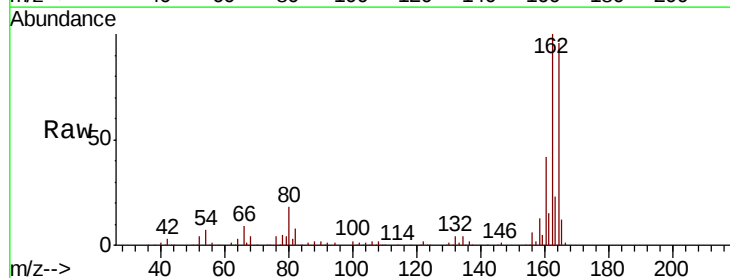
Tgt Ion: 165 Resp: 18637

Ion Ratio Lower Upper

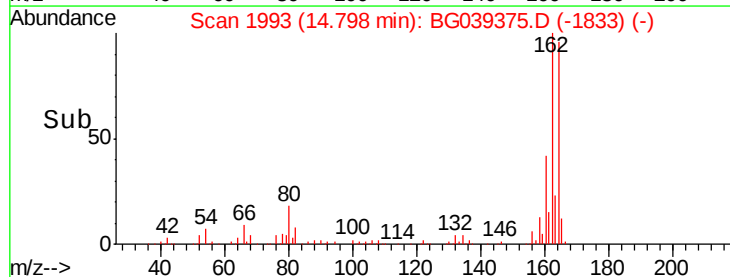
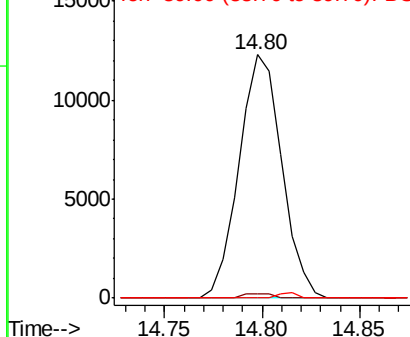
165 100

63 1.6 47.0 70.6#

89 0.0 45.8 68.8#



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





#57

2,4-Dinitrotoluene

Concen: 13.287 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.36 min

Lab File: BG039375.D

Acq: 6 Feb 2019 17:56

Instrument :

BNA_G

ClientSampleId :

PB116873BL

Tgt Ion:165 Resp: 18637

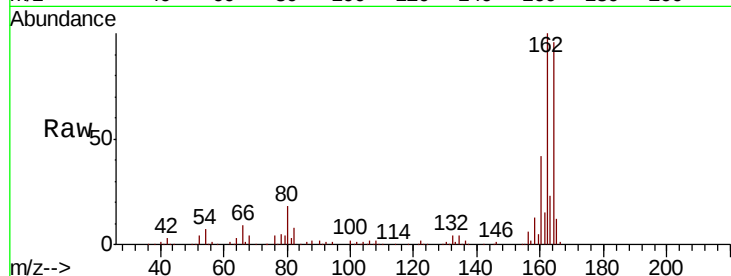
Ion Ratio Lower Upper

165 100

63 1.6 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#

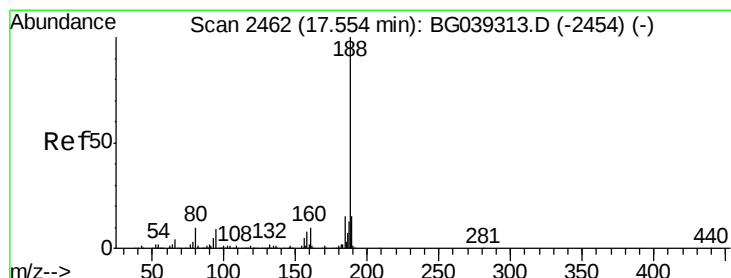
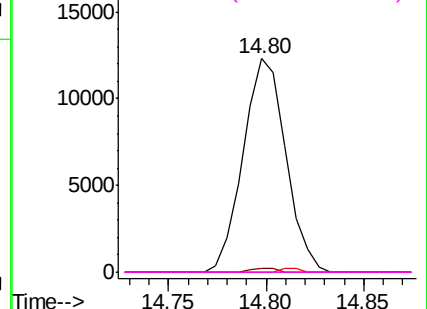
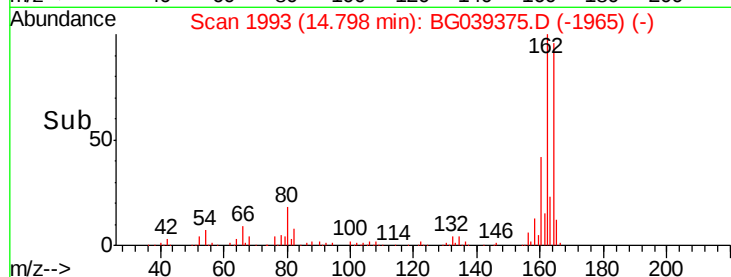


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039375.D

Acq: 6 Feb 2019 17:56

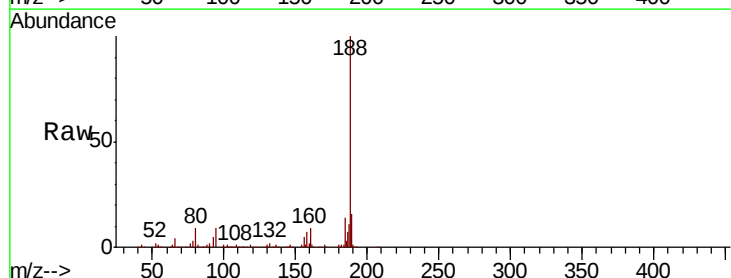
Tgt Ion:188 Resp: 370901

Ion Ratio Lower Upper

188 100

94 8.9 6.9 10.3

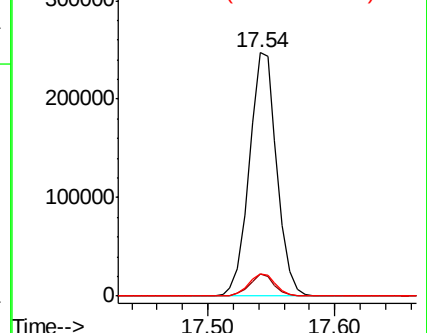
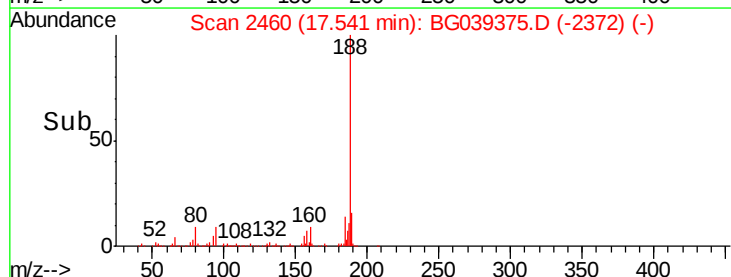
80 9.1 8.1 12.1

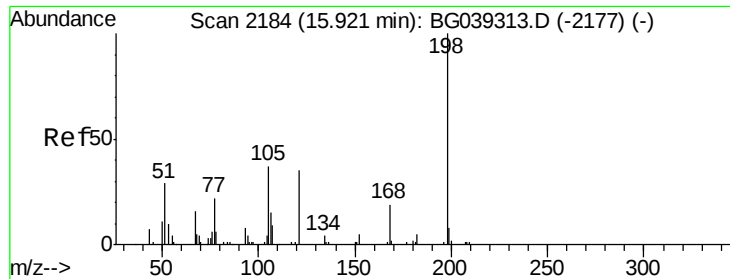


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

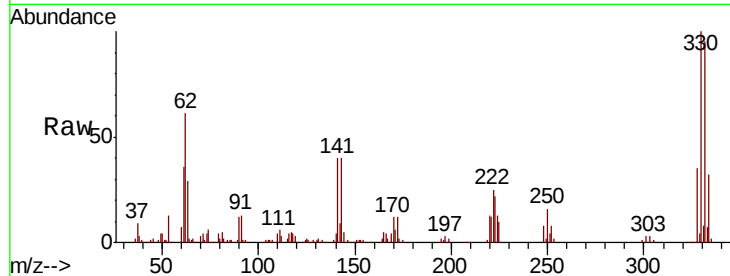




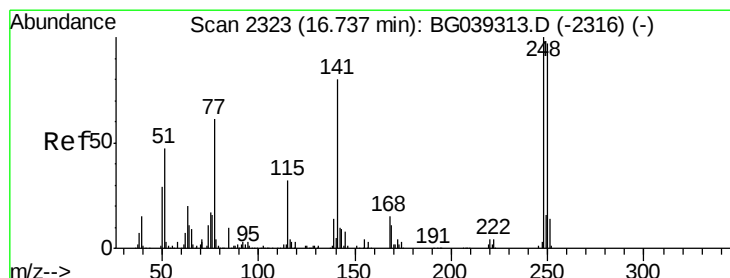
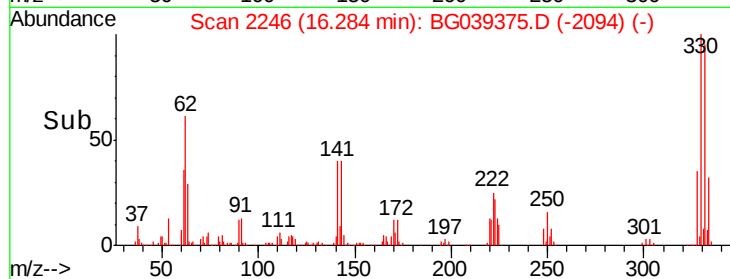
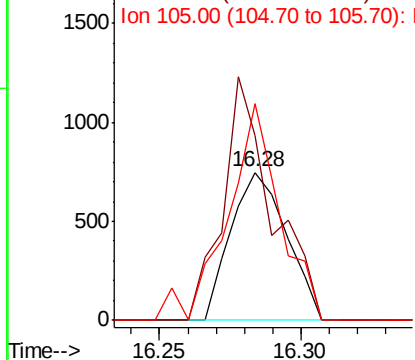
#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.061 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. 0.36 min
 Lab File: BG039375.D
 Acq: 6 Feb 2019 17:56

Instrument :
 BNA_G
 ClientSampleId :
 PB116873BL

Tgt Ion:198 Resp: 1025
 Ion Ratio Lower Upper
 198 100
 51 125.2 27.4 67.4#
 105 146.9 19.7 59.7#

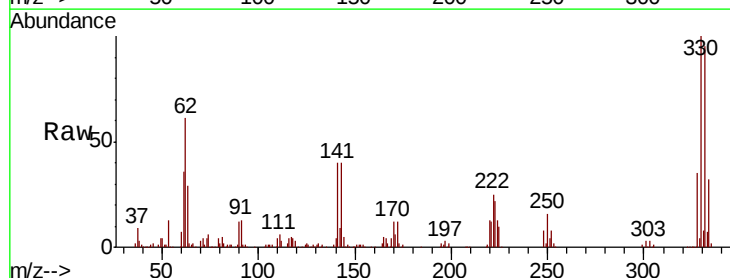


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

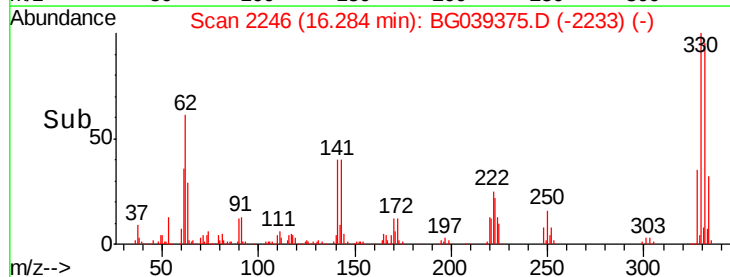
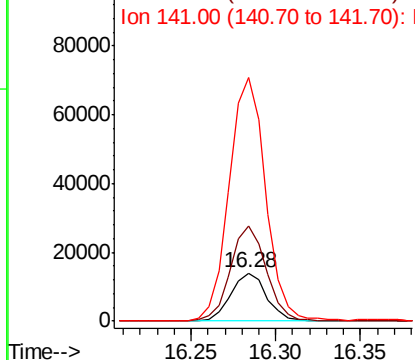


#67
 4-Bromophenyl-phenylether
 Concen: 4.978 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.45 min
 Lab File: BG039375.D
 Acq: 6 Feb 2019 17:56

Tgt Ion:248 Resp: 20484
 Ion Ratio Lower Upper
 248 100
 250 197.5 77.6 116.4#
 141 503.4 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

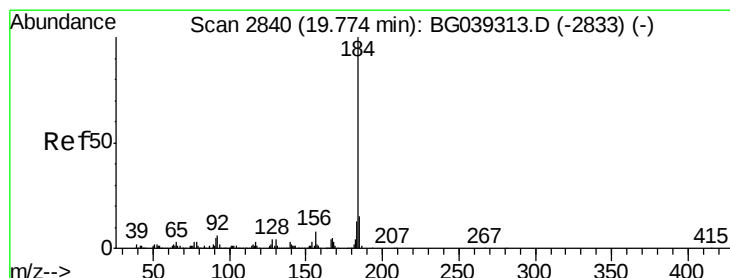
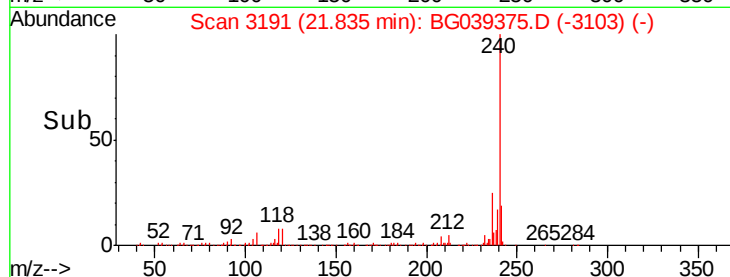
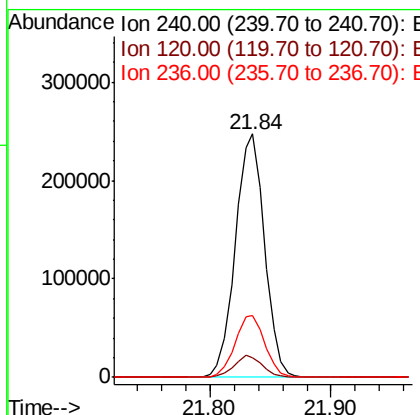
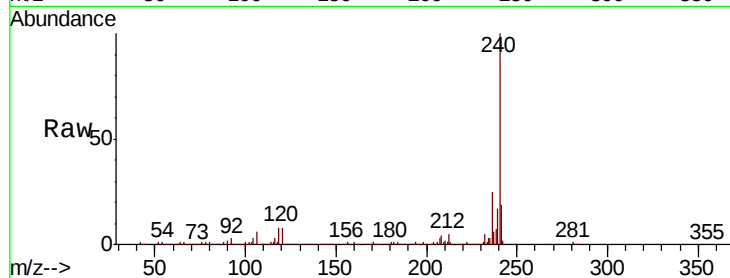




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.84 min Scan# 3191
Delta R.T. -0.01 min
Lab File: BG039375.D
Acq: 6 Feb 2019 17:56

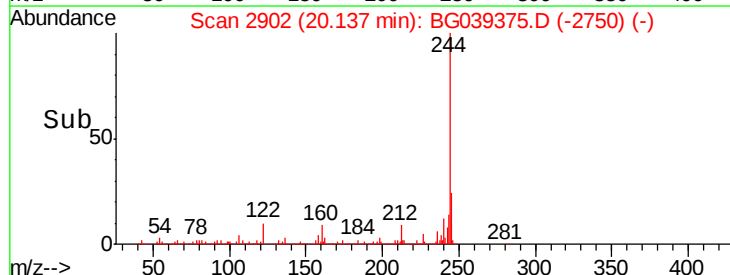
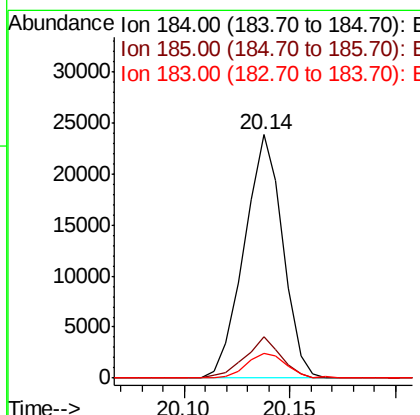
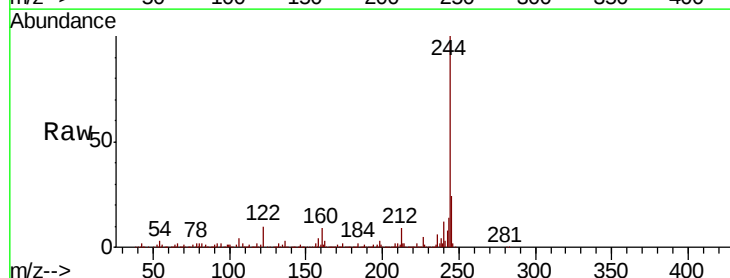
Instrument :
BNA_G
ClientSampleId :
PB116873BL

Tgt Ion:240 Resp: 416947
Ion Ratio Lower Upper
240 100
120 8.3 7.0 10.6
236 25.5 21.0 31.4



#77
Benzidine
Concen: 2.202 ng
RT: 20.14 min Scan# 2902
Delta R.T. 0.36 min
Lab File: BG039375.D
Acq: 6 Feb 2019 17:56

Tgt Ion:184 Resp: 30105
Ion Ratio Lower Upper
184 100
185 17.0 12.2 18.2
183 10.3 10.6 15.8#





#79

Terphenyl-d14

Concen: 85.819 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039375.D

Acq: 6 Feb 2019 17:56

Instrument :

BNA_G

ClientSampleId :

PB116873BL

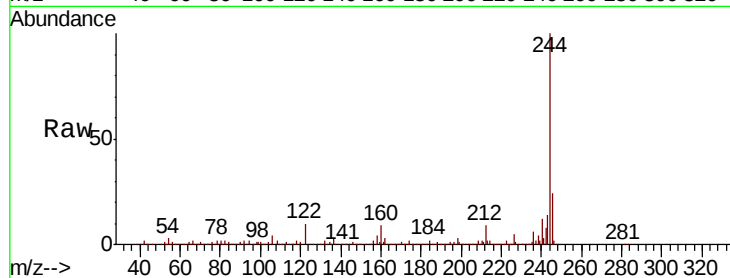
Tgt Ion:244 Resp: 1690466

Ion Ratio Lower Upper

244 100

212 9.4 7.3 10.9

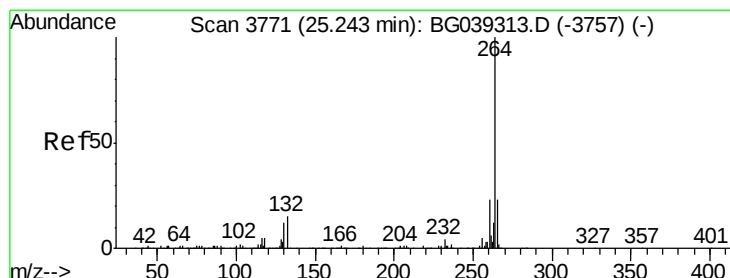
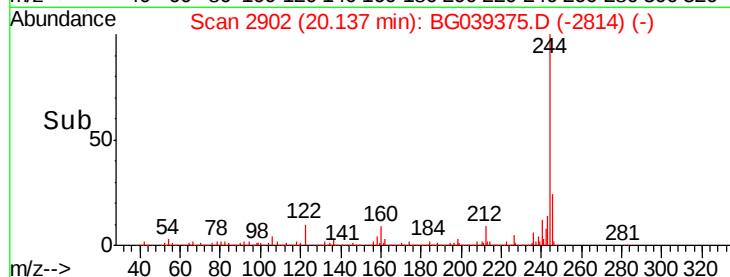
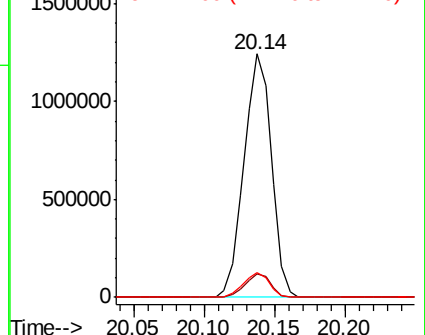
122 10.1 8.4 12.6



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. -0.02 min

Lab File: BG039375.D

Acq: 6 Feb 2019 17:56

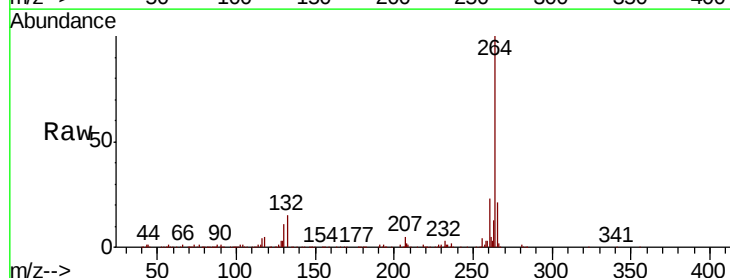
Tgt Ion:264 Resp: 414705

Ion Ratio Lower Upper

264 100

260 22.8 18.2 27.4

265 21.3 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

