

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG020619\
 Data File : BG039377.D
 Acq On : 6 Feb 2019 19:14
 Operator : JU/SJ
 Sample : PB116873TB
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB116873TB

Quant Time: Feb 06 23:50:50 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

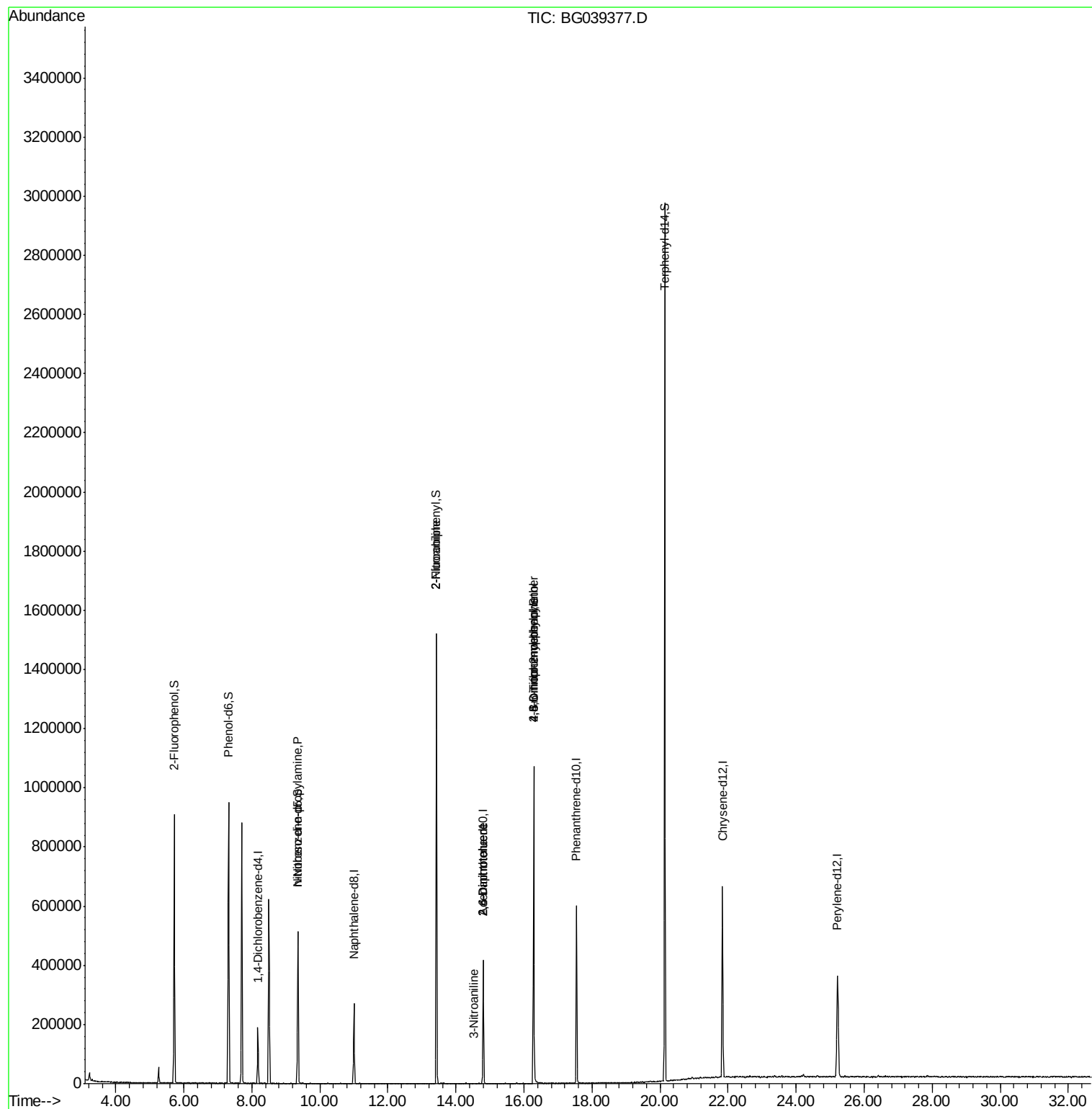
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	52948	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	225434	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	148861	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	367540	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	410511	20.00	ng	-0.02
87) Perylene-d12	25.21	264	401455	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	377968	122.18	ng	0.00
7) Phenol-d6	7.31	99	538624	118.28	ng	0.00
23) Nitrobenzene-d5	9.35	82	304512	84.39	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	194135	121.11	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	786262	75.77	ng	-0.01
79) Terphenyl-d14	20.14	244	1339566	69.07	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.31	77	842	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	9.35	70	39370	12.181 ng	#	4
48) 2-Nitroaniline	13.42	65	1290	8.695 ng	#	22
51) 2,6-Dinitrotoluene	14.80	165	19213	13.941 ng	#	24
53) 3-Nitroaniline	14.53	138	67	5.817 ng	#	1
57) 2,4-Dinitrotoluene	14.80	165	19213	13.412 ng	#	20
65) 4,6-Dinitro-2-methylphenol	16.28	198	581	4.681 ng	#	1
67) 4-Bromophenyl-phenylether	16.28	248	14985	3.675 ng	#	1

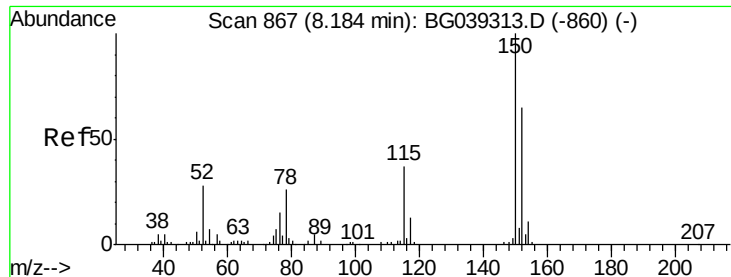
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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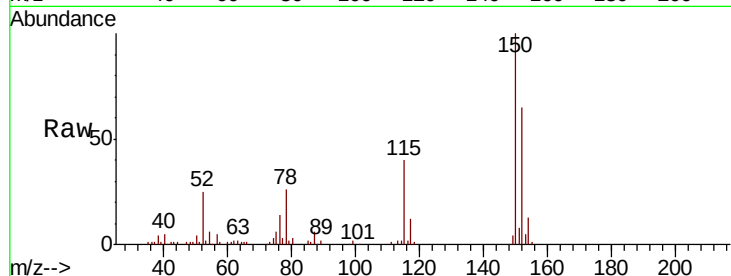


#1

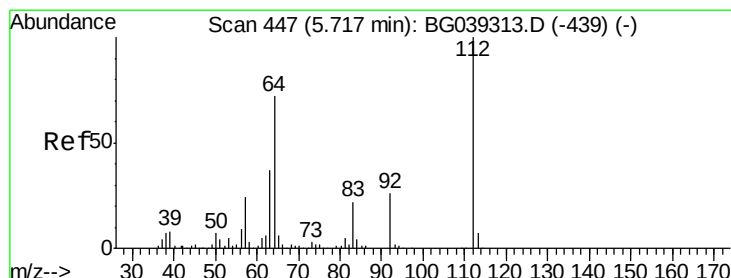
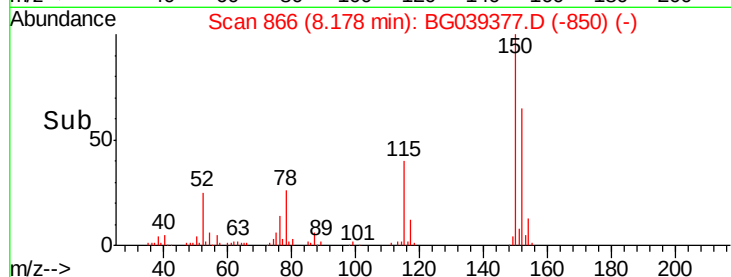
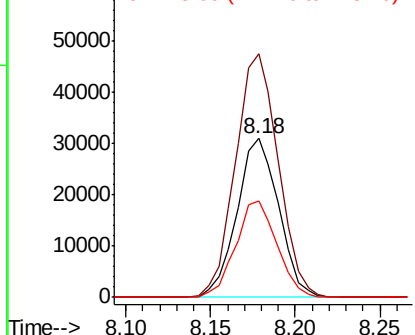
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039377.D
Acq: 6 Feb 2019 19:14

Instrument :
BNA_G
ClientSampleId :
PB116873TB

Tgt Ion:152 Resp: 52948
Ion Ratio Lower Upper
152 100
150 153.5 123.7 185.5
115 60.9 45.9 68.9



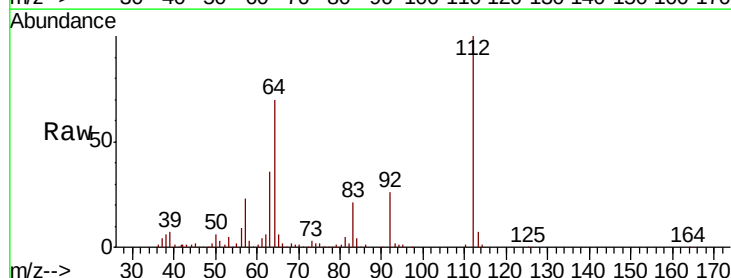
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



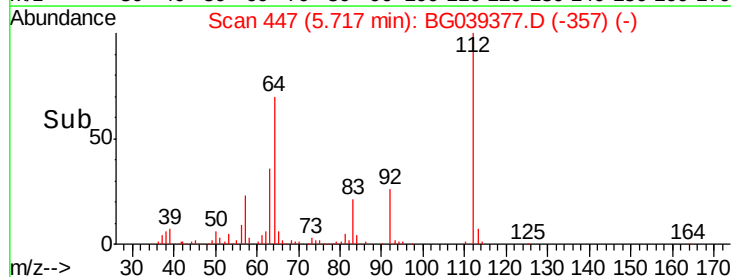
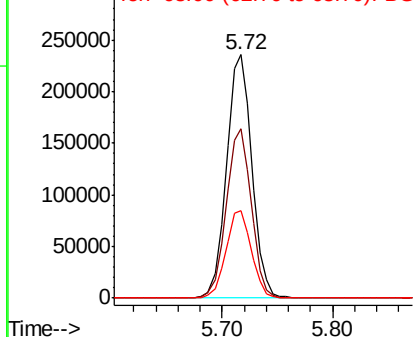
#5

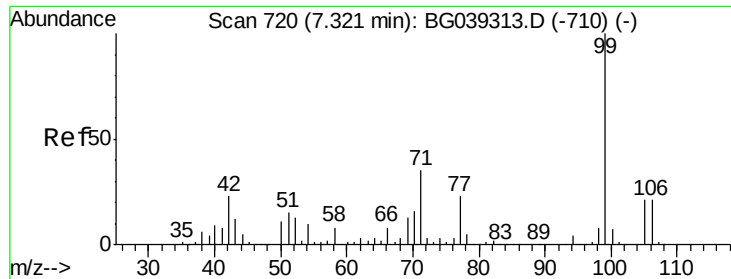
2-Fluorophenol
Concen: 122.176 ng
RT: 5.72 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039377.D
Acq: 6 Feb 2019 19:14

Tgt Ion:112 Resp: 377968
Ion Ratio Lower Upper
112 100
64 69.7 57.8 86.8
63 35.7 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: 118.281 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039377.D

Acq: 6 Feb 2019 19:14

Instrument :

BNA_G

ClientSampleId :

PB116873TB

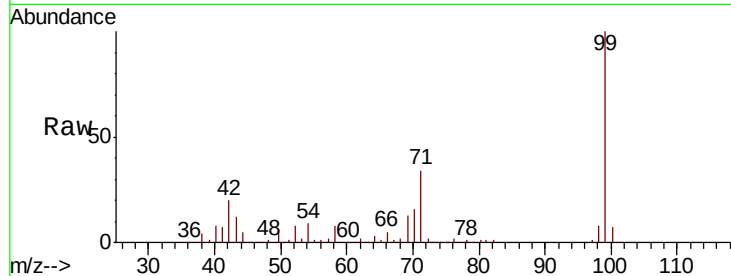
Tgt Ion: 99 Resp: 538624

Ion Ratio Lower Upper

99 100

42 20.5 18.2 27.2

71 34.4 28.0 42.0

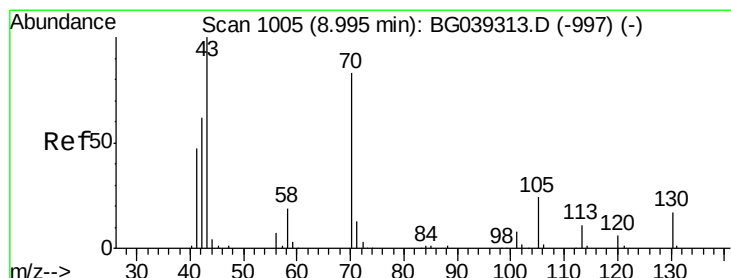
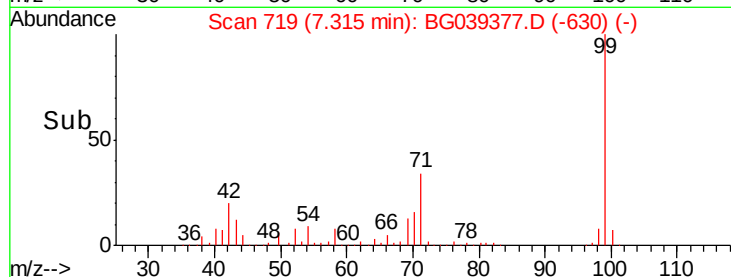
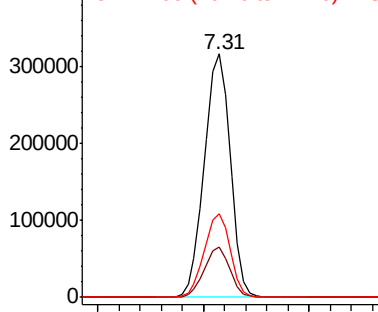


Abundance

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: 12.181 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039377.D

Acq: 6 Feb 2019 19:14

Tgt Ion: 70 Resp: 39370

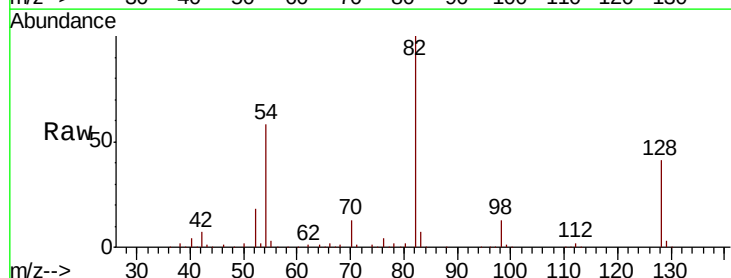
Ion Ratio Lower Upper

70 100

42 50.2 60.4 90.6#

101 0.0 7.5 11.3#

130 2.8 16.9 25.3#



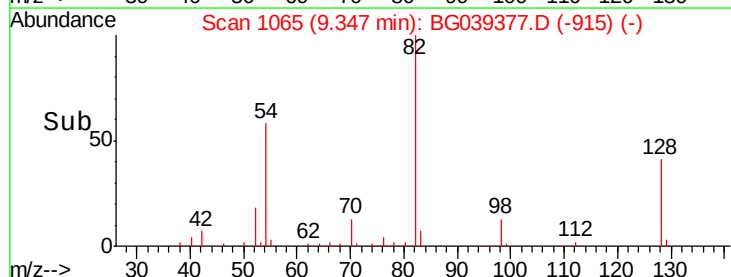
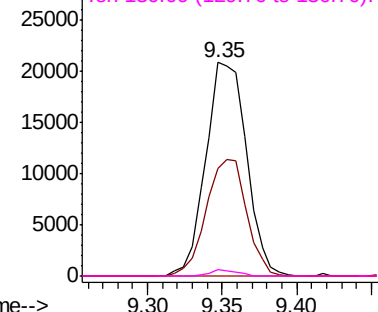
Abundance

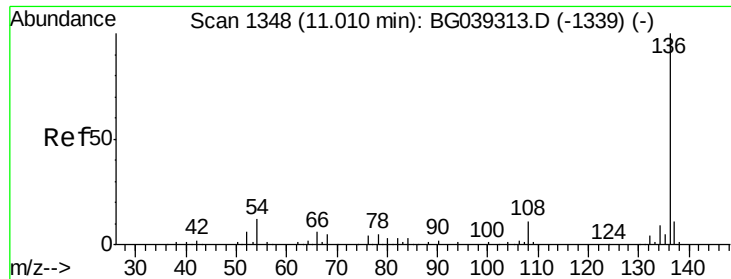
Ion 70.00 (69.70 to 70.70): BGC

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

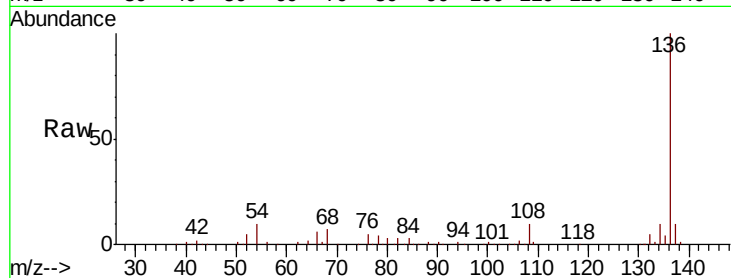




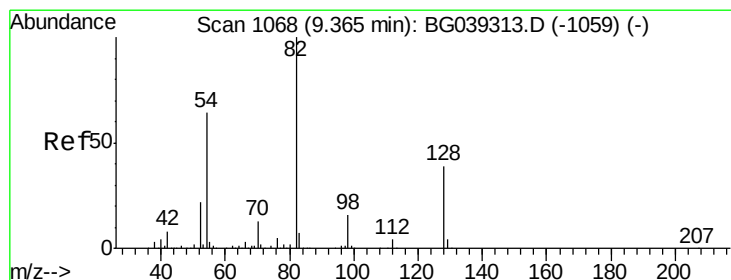
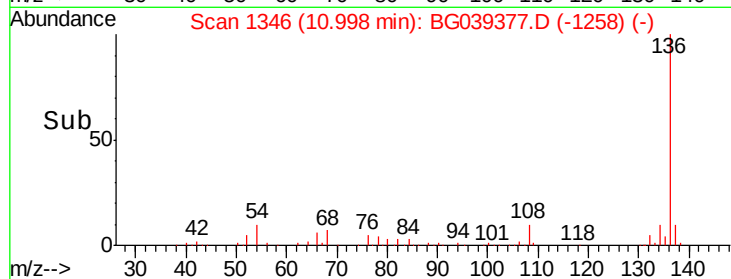
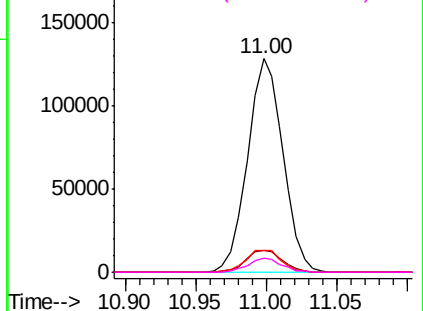
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039377.D
Acq: 6 Feb 2019 19:14

Instrument :
BNA_G
ClientSampleId :
PB116873TB

Tgt Ion:	136	Resp:	225434
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.1	13.7
54	10.5	9.4	14.2
68	6.9	4.2	6.4#

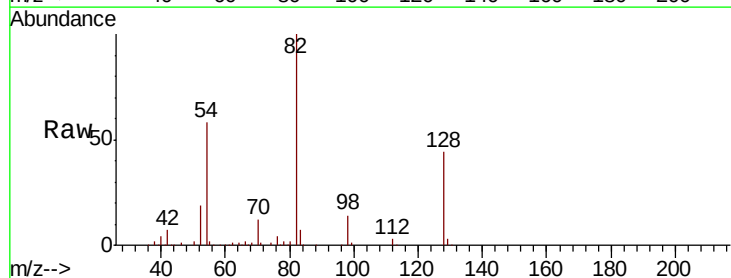


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

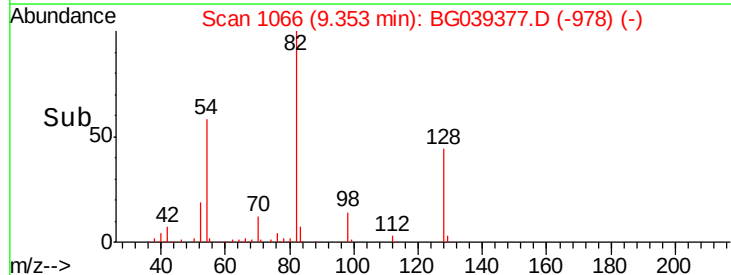
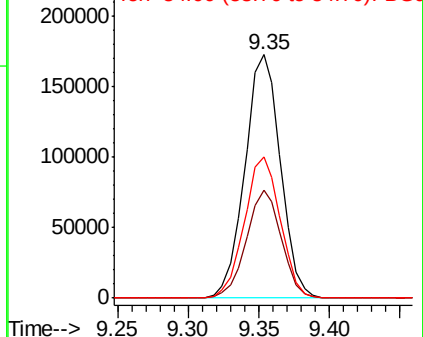


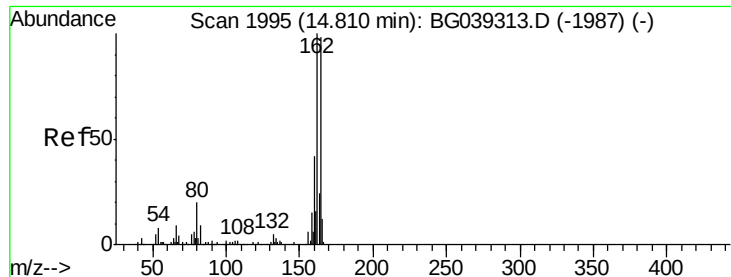
#23
Nitrobenzene-d5
Concen: 84.385 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039377.D
Acq: 6 Feb 2019 19:14

Tgt Ion:	82	Resp:	304512
Ion	Ratio	Lower	Upper
82	100		
128	44.3	31.3	46.9
54	58.0	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: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039377.D

Acq: 6 Feb 2019 19:14

Instrument :

BNA_G

ClientSampleId :

PB116873TB

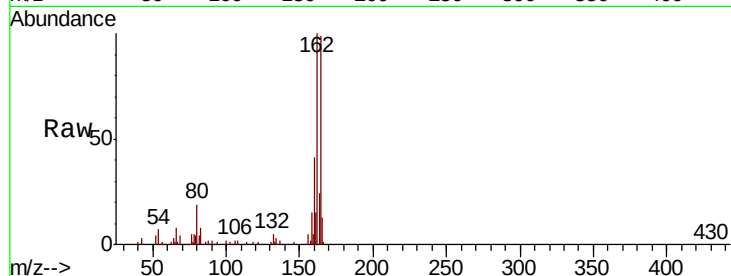
Tgt Ion:164 Resp: 148861

Ion Ratio Lower Upper

164 100

162 101.2 81.6 122.4

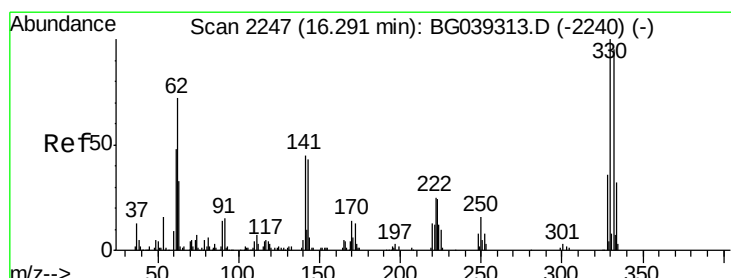
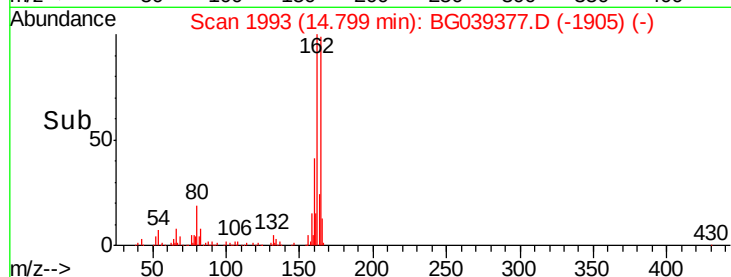
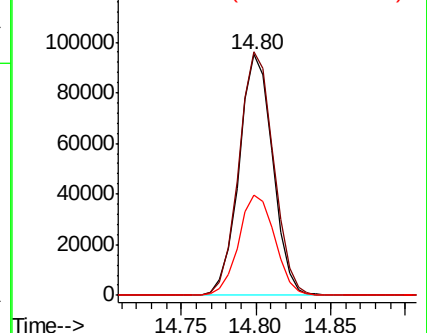
160 41.8 34.2 51.2



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: 121.109 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039377.D

Acq: 6 Feb 2019 19:14

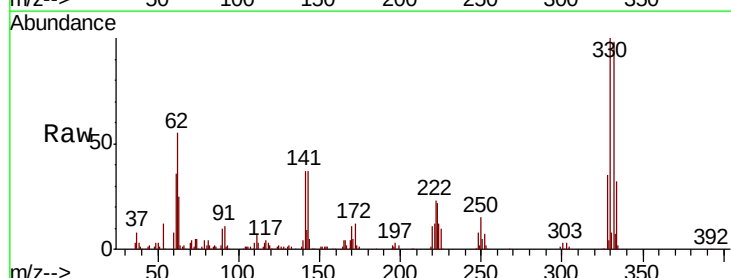
Tgt Ion:330 Resp: 194135

Ion Ratio Lower Upper

330 100

332 95.5 75.7 113.5

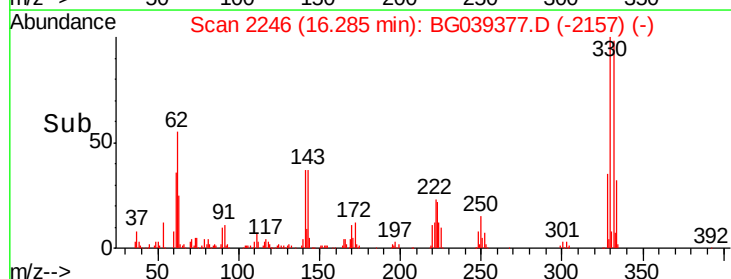
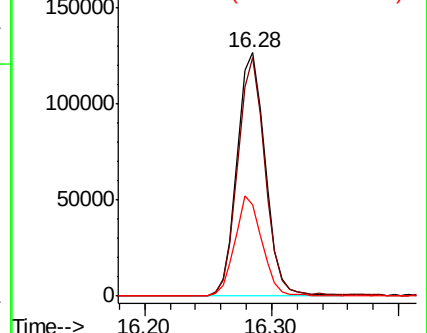
141 39.9 35.6 53.4

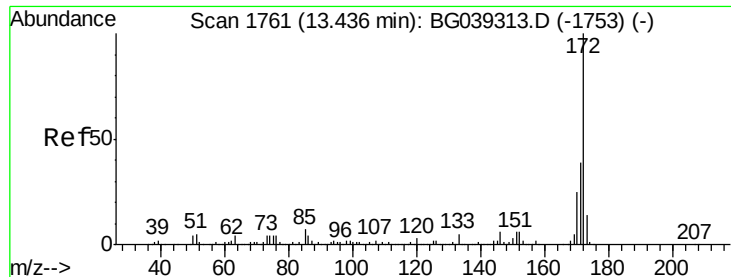


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

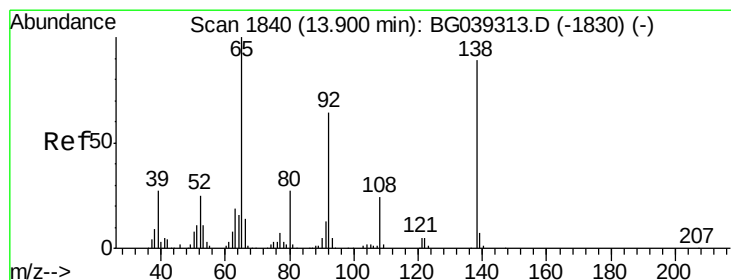
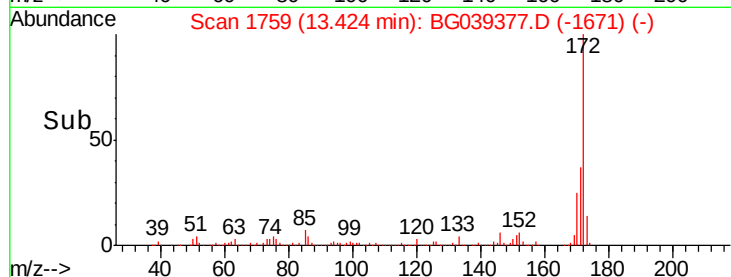
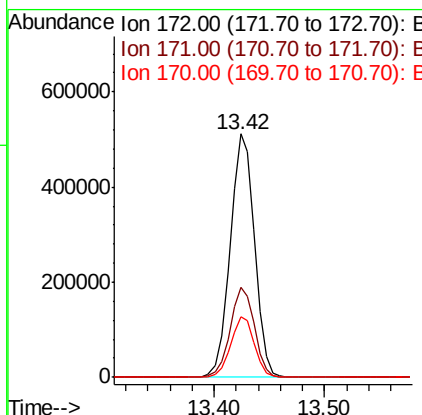
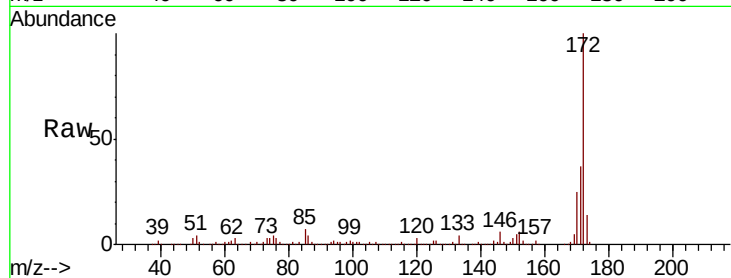




#45
 2-Fluorobiphenyl
 Concen: 75.771 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BG039377.D
 Acq: 6 Feb 2019 19:14

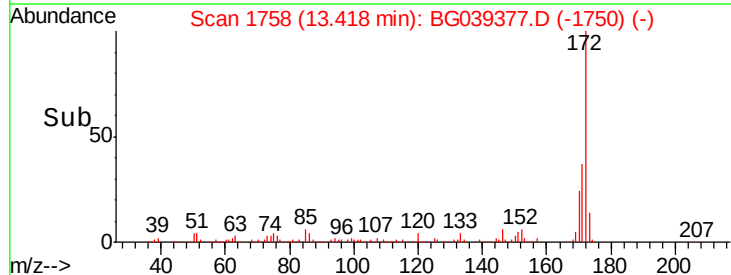
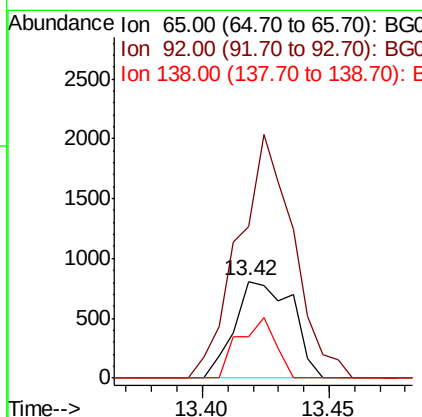
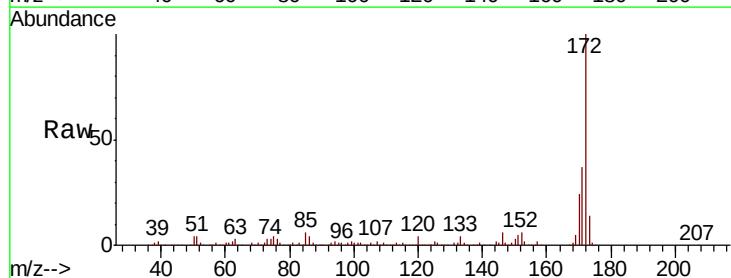
Instrument :
 BNA_G
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 PB116873TB

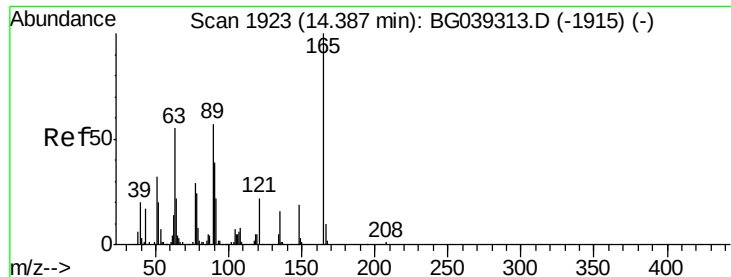
Tgt Ion: 172 Resp: 786262
 Ion Ratio Lower Upper
 172 100
 171 37.1 30.8 46.2
 170 24.6 20.2 30.4



#48
 2-Nitroaniline
 Concen: 8.695 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.48 min
 Lab File: BG039377.D
 Acq: 6 Feb 2019 19:14

Tgt Ion: 65 Resp: 1290
 Ion Ratio Lower Upper
 65 100
 92 157.2 51.4 77.2#
 138 43.4 71.4 107.2#





#51

2,6-Dinitrotoluene

Concen: 13.941 ng

RT: 14.80 min Scan# 1993

Delta R.T. 0.41 min

Lab File: BG039377.D

Acq: 6 Feb 2019 19:14

Instrument :

BNA_G

ClientSampleId :

PB116873TB

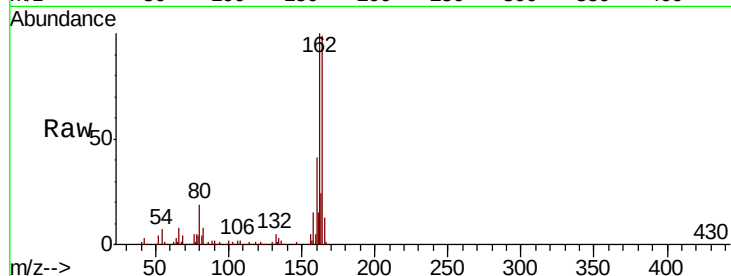
Tgt Ion:165 Resp: 19213

Ion Ratio Lower Upper

165 100

63 1.4 47.0 70.6#

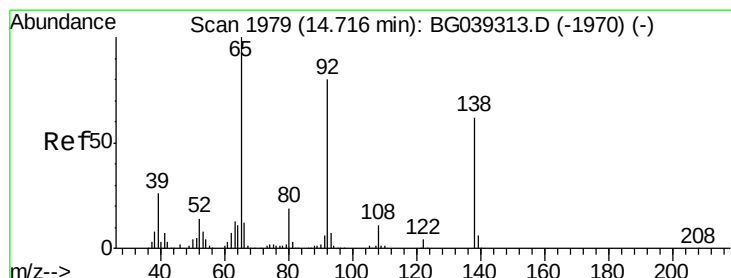
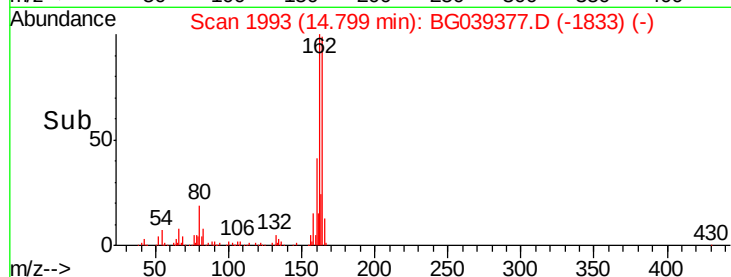
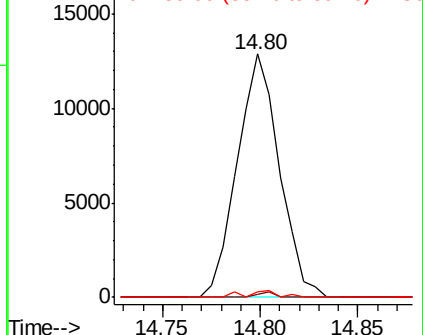
89 2.3 45.8 68.8#



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



#53

3-Nitroaniline

Concen: 5.817 ng

RT: 14.53 min Scan# 1947

Delta R.T. -0.19 min

Lab File: BG039377.D

Acq: 6 Feb 2019 19:14

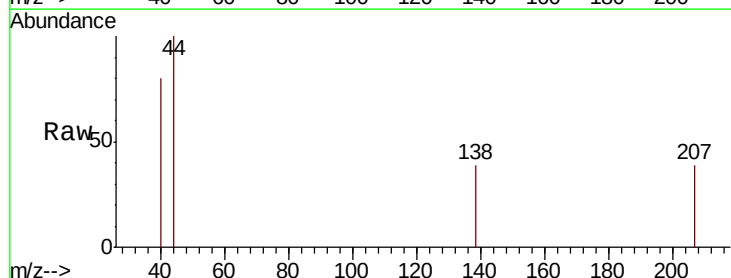
Tgt Ion:138 Resp: 67

Ion Ratio Lower Upper

138 100

108 0.0 13.8 20.8#

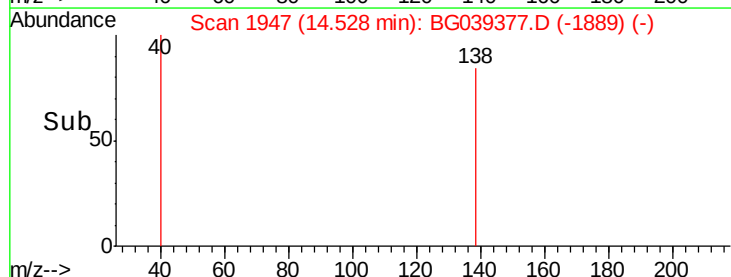
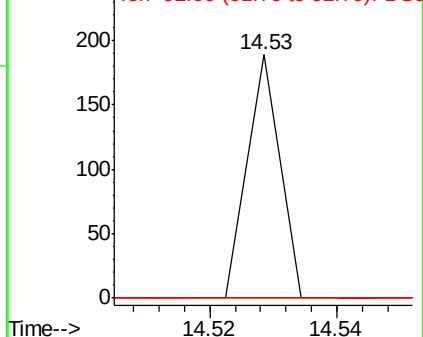
92 0.0 103.7 155.5#

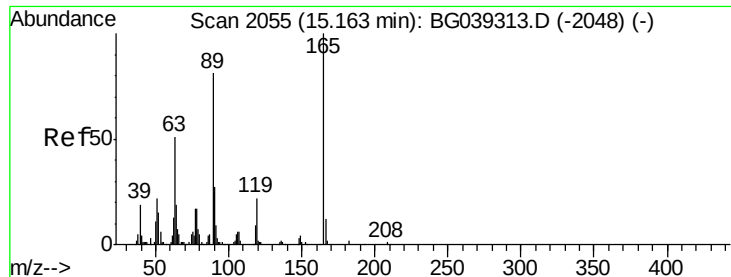


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC





#57

2,4-Dinitrotoluene

Concen: 13.412 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.36 min

Lab File: BG039377.D

Acq: 6 Feb 2019 19:14

Instrument :

BNA_G

ClientSampleId :

PB116873TB

Tgt Ion:165 Resp: 19213

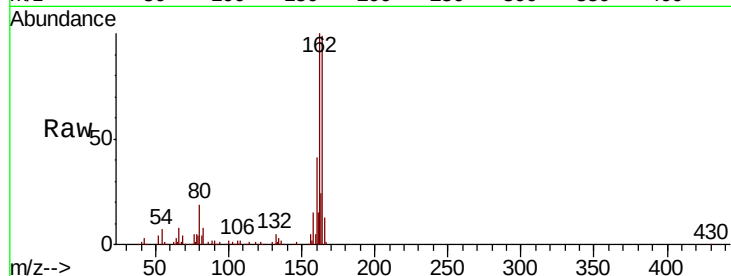
Ion Ratio Lower Upper

165 100

63 1.4 41.0 61.6#

89 2.3 64.6 96.8#

182 0.0 2.0 3.0#

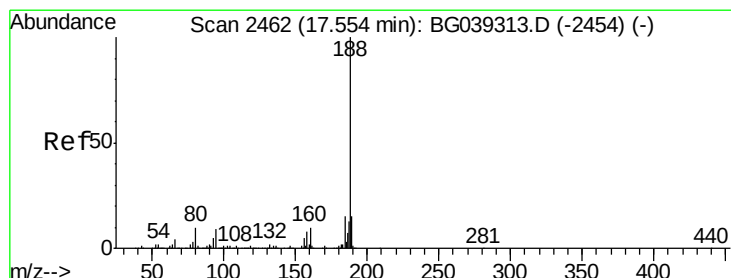
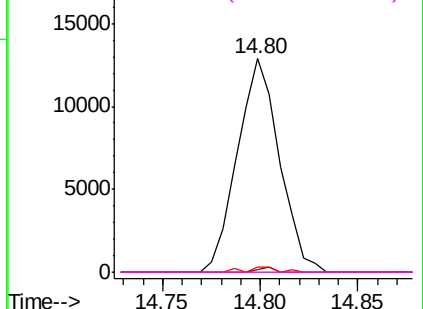
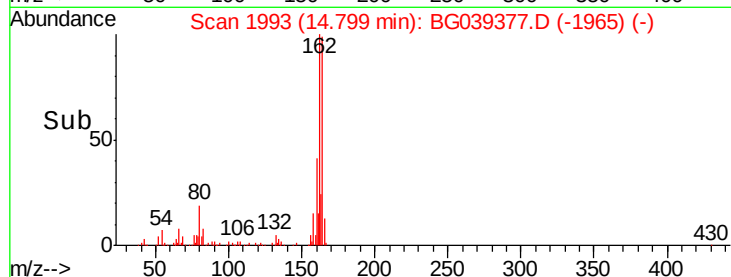


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG039377.D

Acq: 6 Feb 2019 19:14

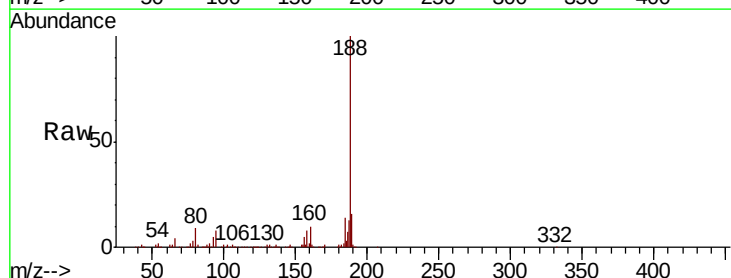
Tgt Ion:188 Resp: 367540

Ion Ratio Lower Upper

188 100

94 7.9 6.9 10.3

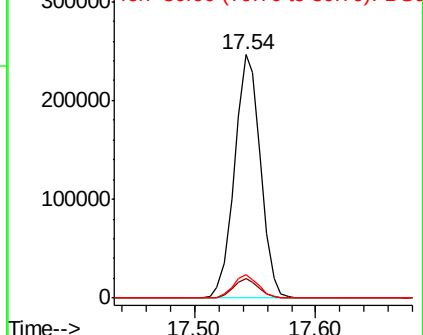
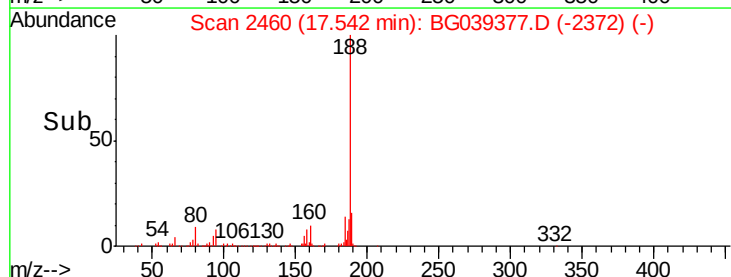
80 9.5 8.1 12.1

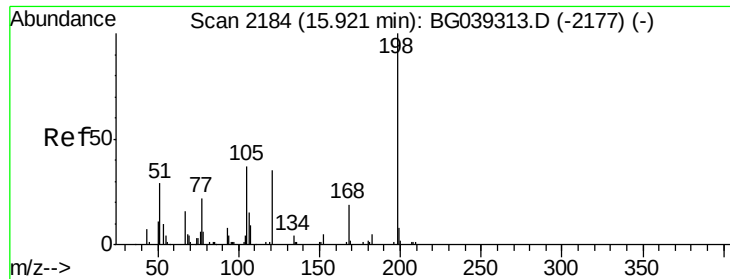


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

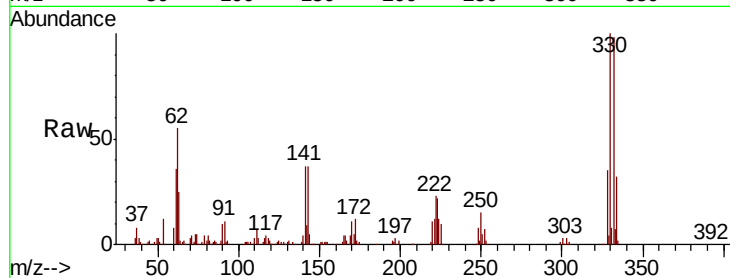




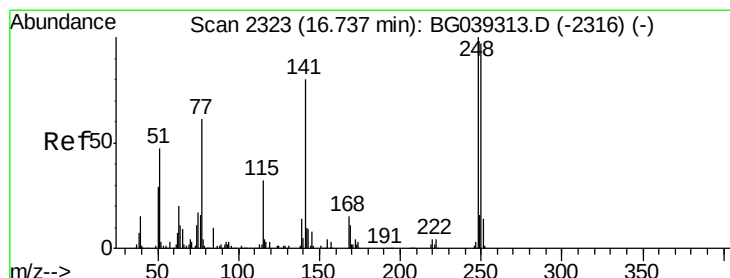
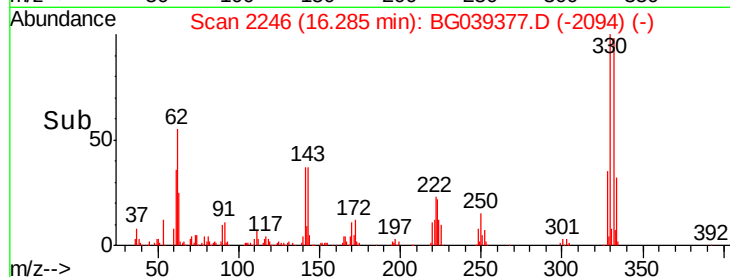
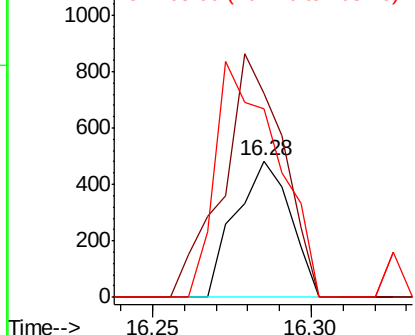
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.681 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. 0.36 min
 Lab File: BG039377.D
 Acq: 6 Feb 2019 19:14

Instrument :
 BNA_G
 ClientSampleId :
 PB116873TB

Tgt Ion:198 Resp: 581
 Ion Ratio Lower Upper
 198 100
 51 149.2 27.4 67.4#
 105 138.2 19.7 59.7#

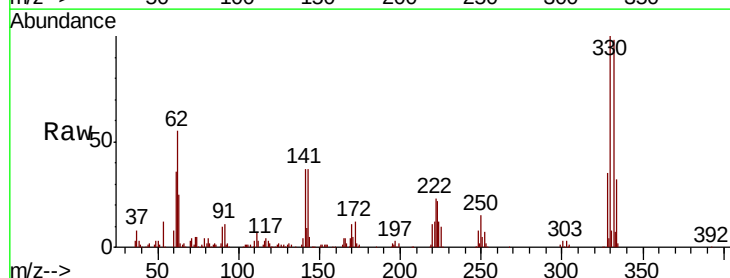


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

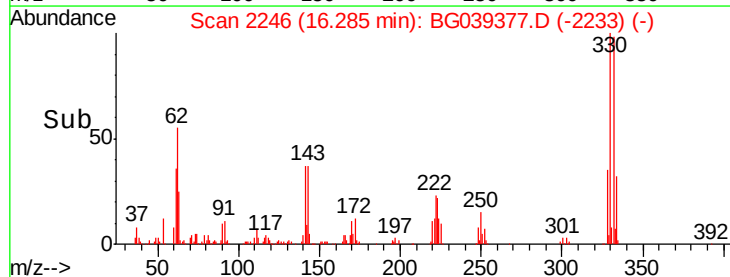
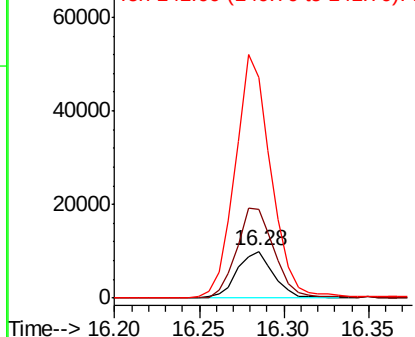


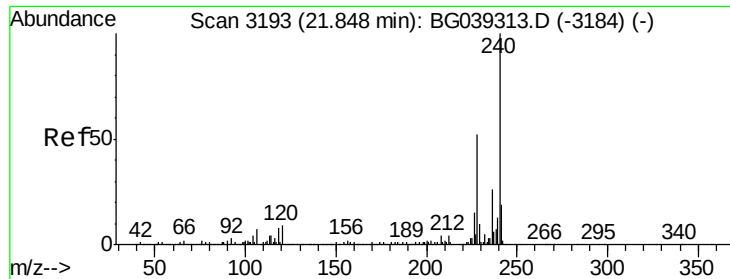
#67
 4-Bromophenyl-phenylether
 Concen: 3.675 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.45 min
 Lab File: BG039377.D
 Acq: 6 Feb 2019 19:14

Tgt Ion:248 Resp: 14985
 Ion Ratio Lower Upper
 248 100
 250 188.3 77.6 116.4#
 141 469.7 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

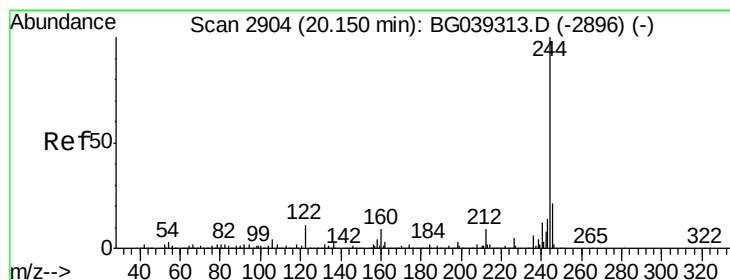
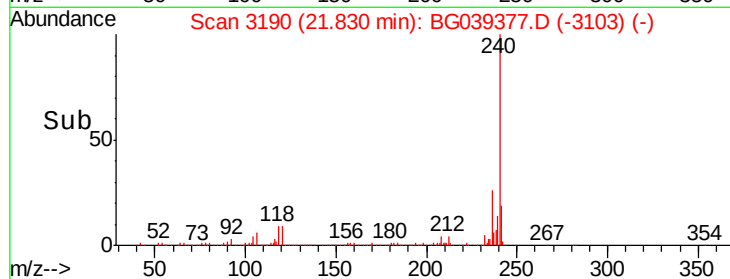
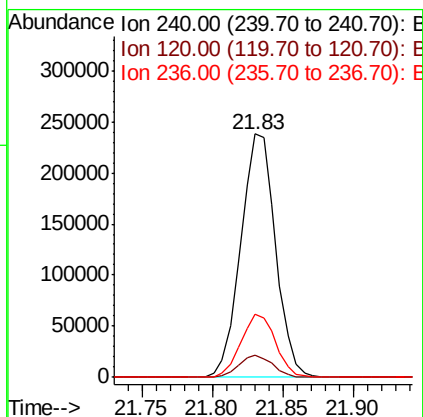
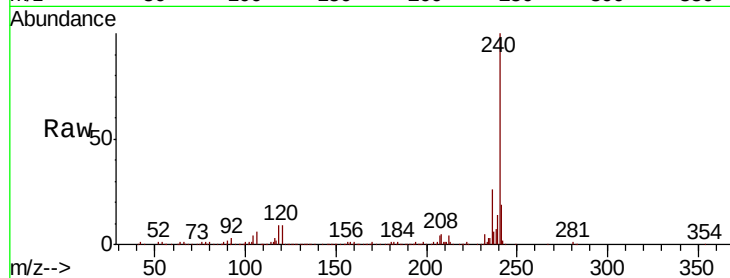




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039377.D
Acq: 6 Feb 2019 19:14

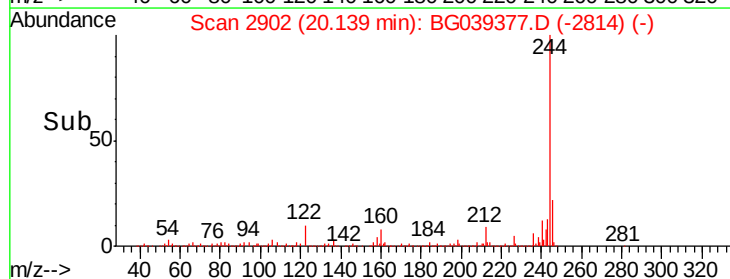
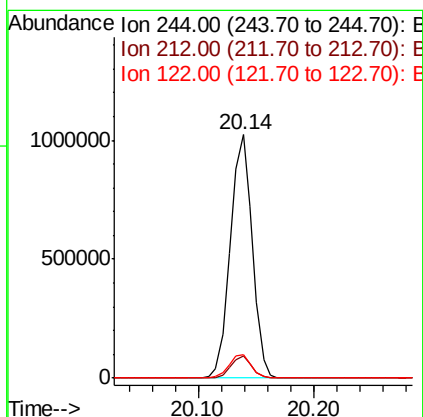
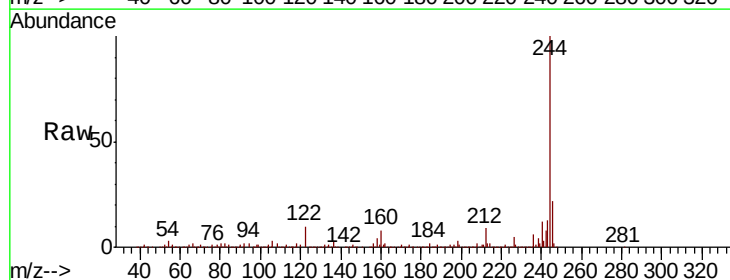
Instrument :
BNA_G
ClientSampleId :
PB116873TB

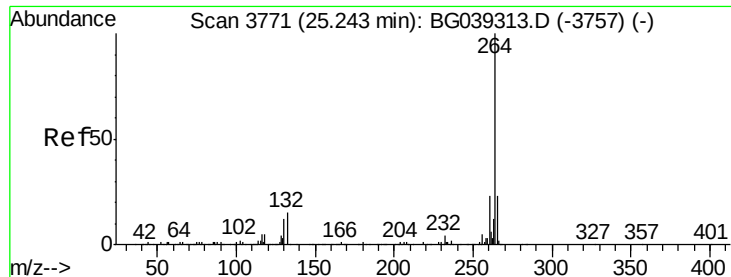
Tgt Ion:240 Resp: 410511
Ion Ratio Lower Upper
240 100
120 8.9 7.0 10.6
236 25.7 21.0 31.4



#79
Terphenyl-d14
Concen: 69.071 ng
RT: 20.14 min Scan# 2902
Delta R.T. -0.01 min
Lab File: BG039377.D
Acq: 6 Feb 2019 19:14

Tgt Ion:244 Resp: 1339566
Ion Ratio Lower Upper
244 100
212 8.9 7.3 10.9
122 9.5 8.4 12.6





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.21 min Scan# 3766
Delta R.T. -0.03 min
Lab File: BG039377.D
Acq: 6 Feb 2019 19:14

Instrument :
BNA_G
ClientSampleId :
PB116873TB

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.2	27.4
265	21.8	18.5	27.7

