

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021519\
 Data File : BG039532.D
 Acq On : 15 Feb 2019 22:02
 Operator : JU/SJ
 Sample : K1346-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-021419-C

Quant Time: Feb 16 03:21:14 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

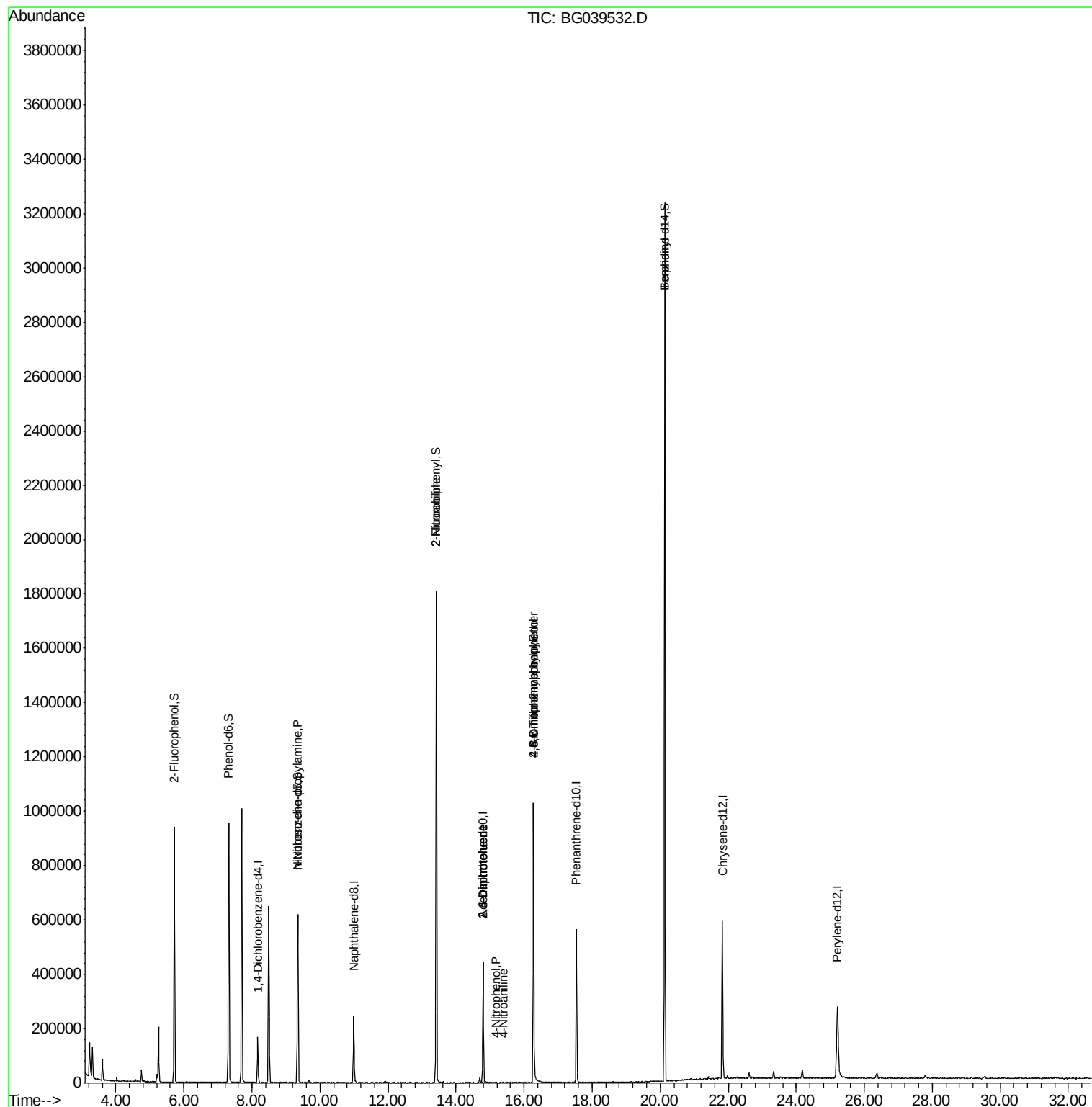
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	45835	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	212052	20.00	ng	-0.02
39) Acenaphthene-d10	14.80	164	155306	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	362184	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	372766	20.00	ng	-0.02
87) Perylene-d12	25.22	264	348694	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	398611	148.84	ng	0.00
7) Phenol-d6	7.32	99	549678	139.44	ng	0.00
23) Nitrobenzene-d5	9.35	82	375859	110.73	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	190642	113.99	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	956491	88.35	ng	-0.01
79) Terphenyl-d14	20.13	244	1505638	85.50	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.32	77	917	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.35	70	50488	18.045 ng	#	4
48) 2-Nitroaniline	13.42	65	1549	8.755 ng	#	1
51) 2,6-Dinitrotoluene	14.80	165	20126	13.971 ng	#	24
56) 4-Nitrophenol	15.18	139	387	5.952 ng	#	1
57) 2,4-Dinitrotoluene	14.80	165	20126	13.435 ng	#	19
62) 4-Nitroaniline	15.37	138	58	4.223 ng	#	10
65) 4,6-Dinitro-2-methylphenol	16.28	198	679	4.776 ng	#	1
67) 4-Bromophenyl-phenylether	16.28	248	14572	3.627 ng	#	1
77) Benzidine	20.13	184	25992	2.127 ng	#	96

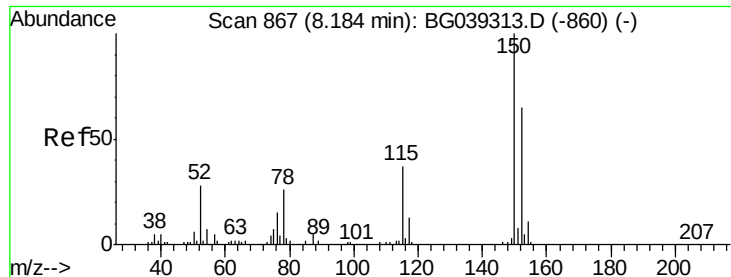
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021519\
Data File : BG039532.D
Acq On : 15 Feb 2019 22:02
Operator : JU/SJ
Sample : K1346-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-01-021419-C

Quant Time: Feb 16 03:21:14 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



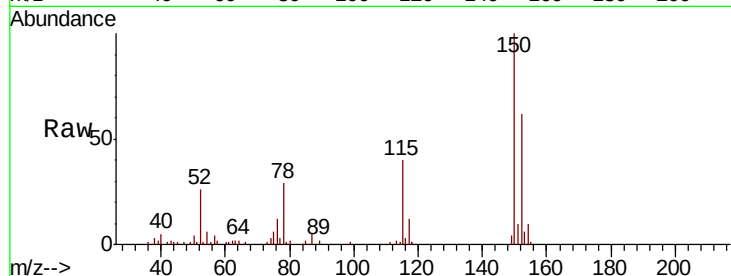


#1

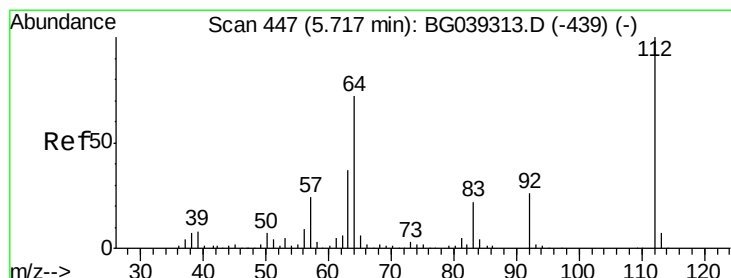
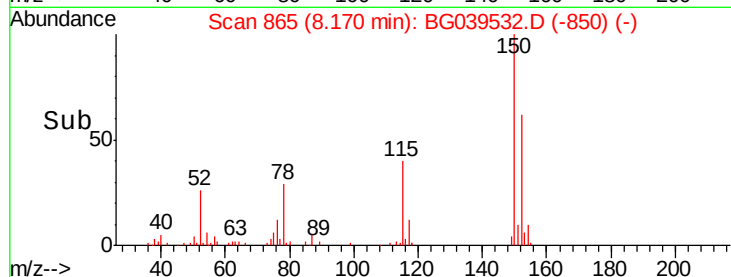
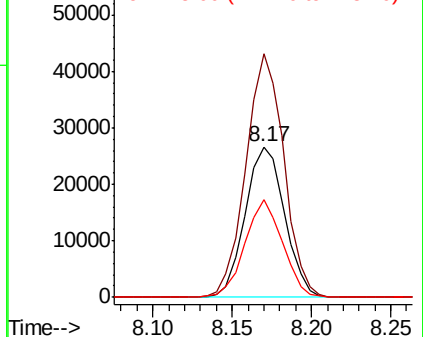
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039532.D
Acq: 15 Feb 2019 22:02

Instrument :
BNA_G
ClientSampleId :
CL-01-021419-C

Tgt Ion:152 Resp: 45835
Ion Ratio Lower Upper
152 100
150 161.8 123.7 185.5
115 64.6 45.9 68.9



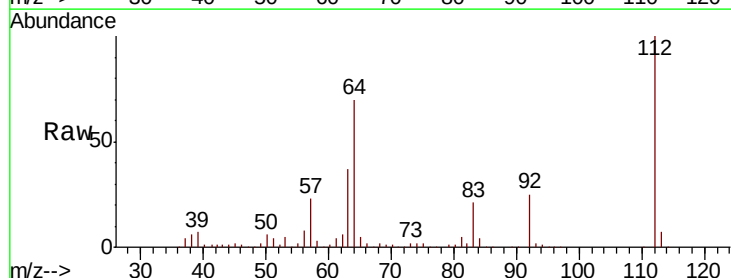
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



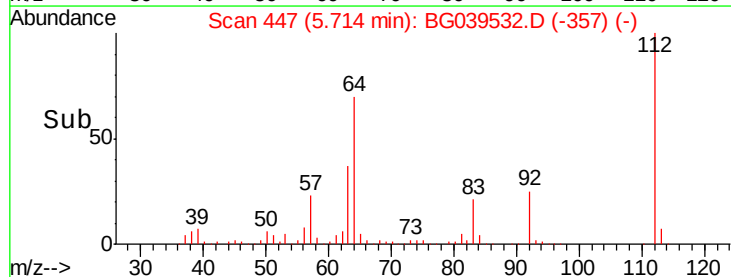
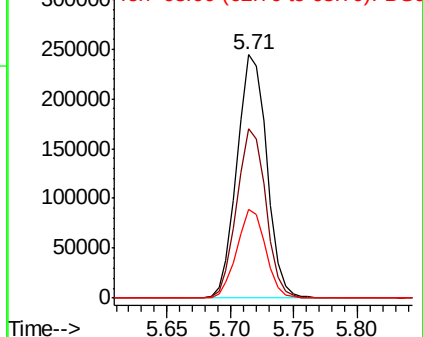
#5

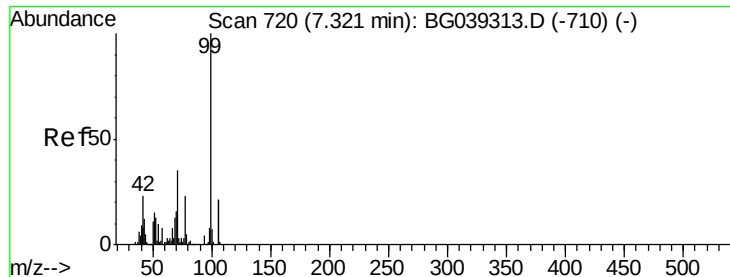
2-Fluorophenol
Concen: 148.844 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039532.D
Acq: 15 Feb 2019 22:02

Tgt Ion:112 Resp: 398611
Ion Ratio Lower Upper
112 100
64 69.6 57.8 86.8
63 36.7 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: 139.441 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039532.D

Acq: 15 Feb 2019 22:02

Instrument :

BNA_G

ClientSampleId :

CL-01-021419-C

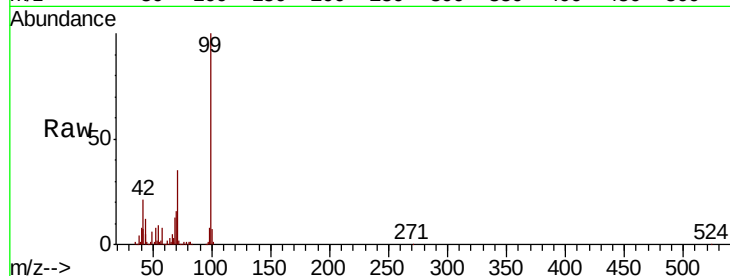
Tgt Ion: 99 Resp: 549678

Ion Ratio Lower Upper

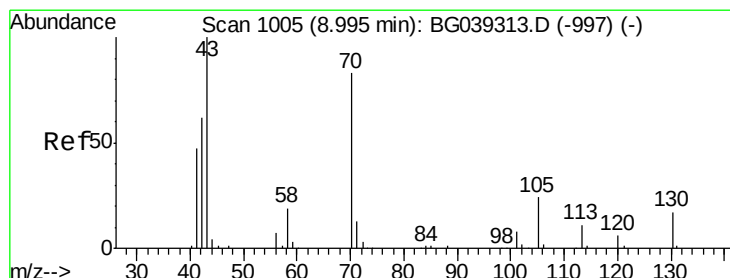
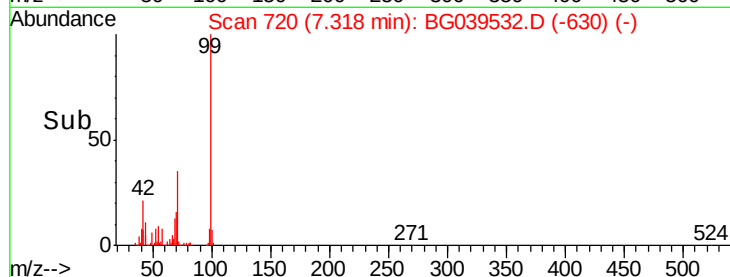
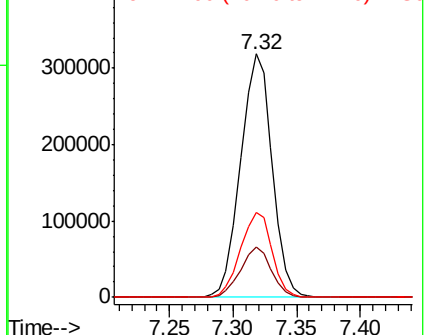
99 100

42 20.6 18.2 27.2

71 34.7 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: 18.045 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039532.D

Acq: 15 Feb 2019 22:02

Tgt Ion: 70 Resp: 50488

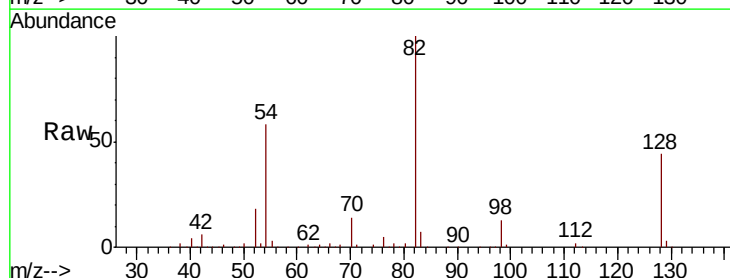
Ion Ratio Lower Upper

70 100

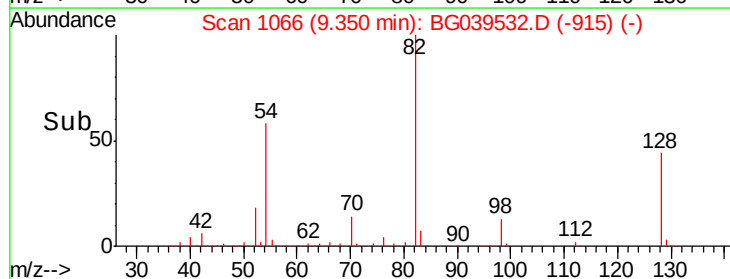
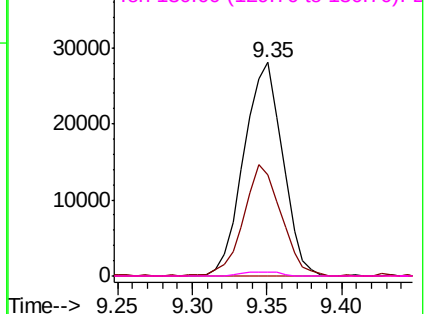
42 47.6 60.4 90.6#

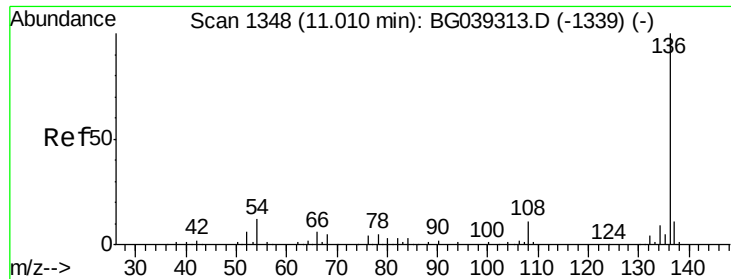
101 0.0 7.5 11.3#

130 2.0 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

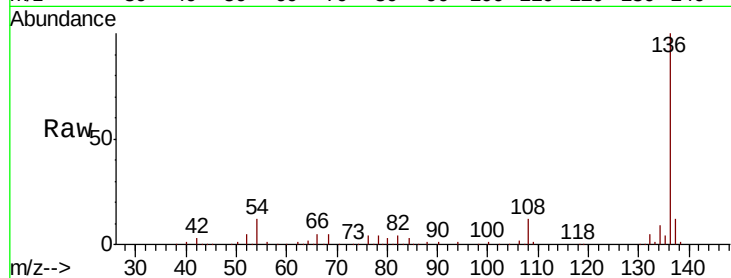




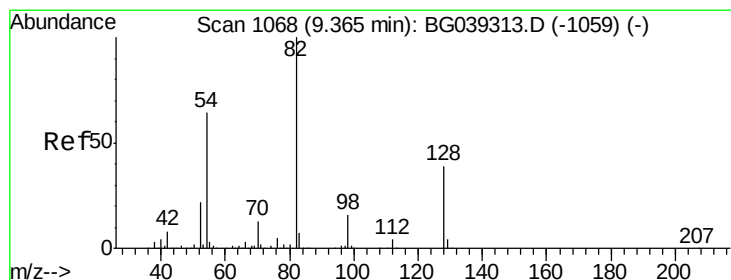
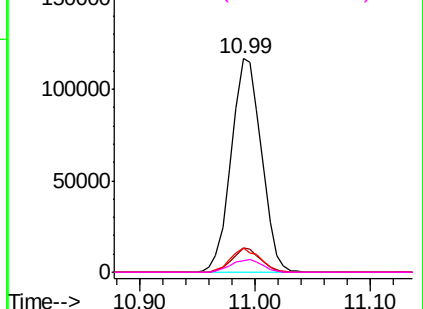
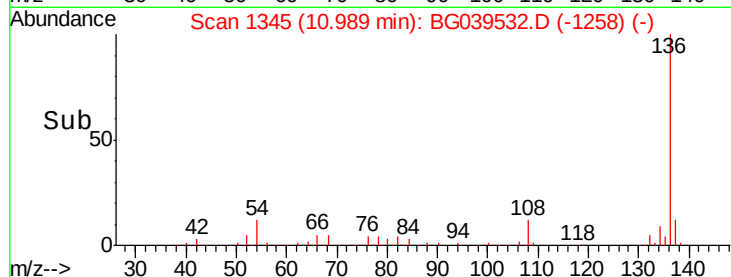
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039532.D
Acq: 15 Feb 2019 22:02

Instrument :
BNA_G
ClientSampleId :
CL-01-021419-C

Tgt Ion:	136	Resp:	212052
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	11.5	9.4	14.2
68	5.4	4.2	6.4

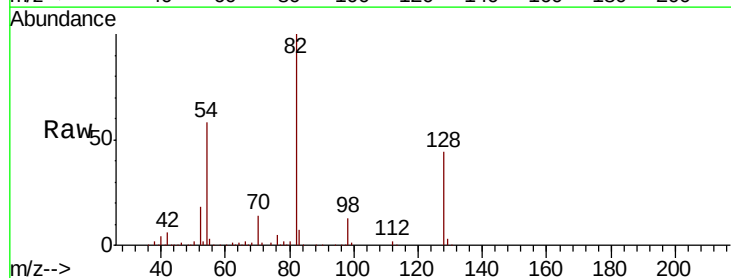


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

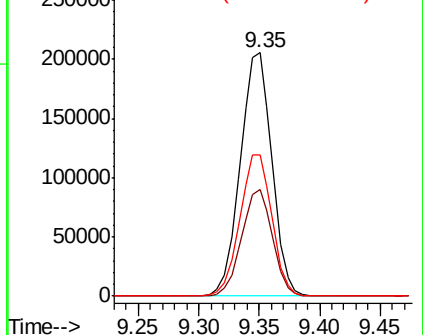
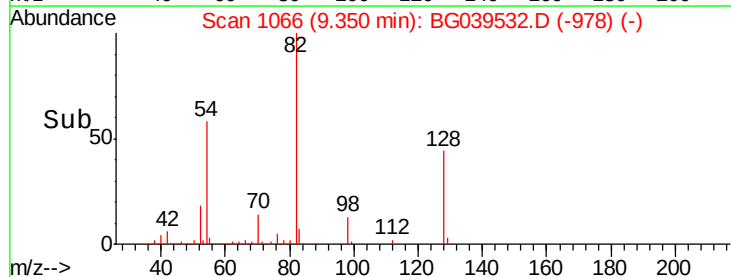


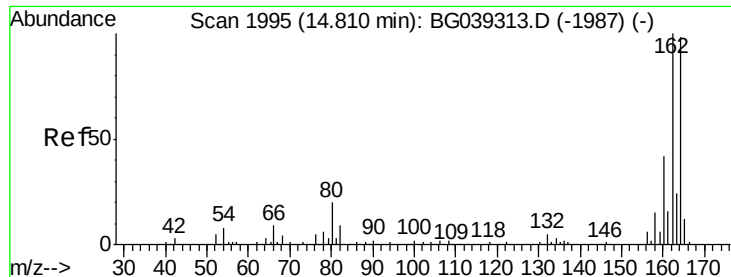
#23
Nitrobenzene-d5
Concen: 110.730 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039532.D
Acq: 15 Feb 2019 22:02

Tgt Ion:	82	Resp:	375859
Ion	Ratio	Lower	Upper
82	100		
128	44.0	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): BGC
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: BG039532.D

Acq: 15 Feb 2019 22:02

Instrument :

BNA_G

ClientSampleId :

CL-01-021419-C

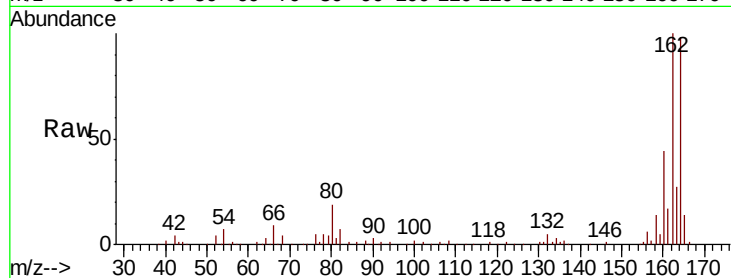
Tgt Ion:164 Resp: 155306

Ion Ratio Lower Upper

164 100

162 102.3 81.6 122.4

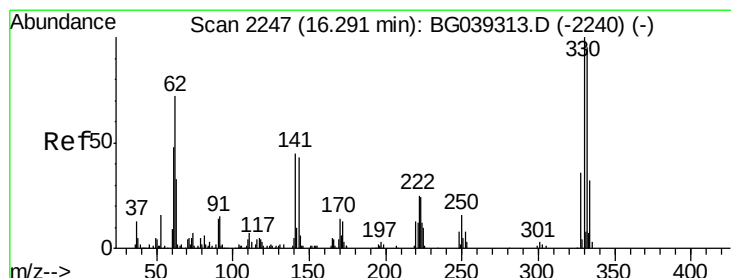
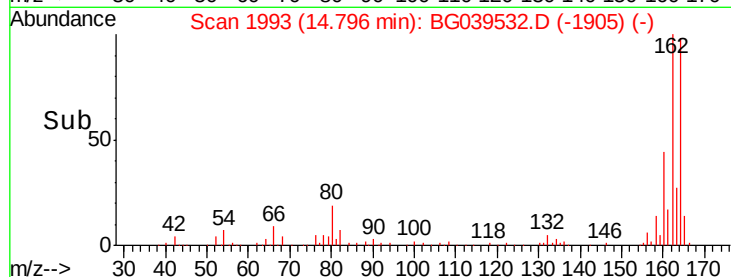
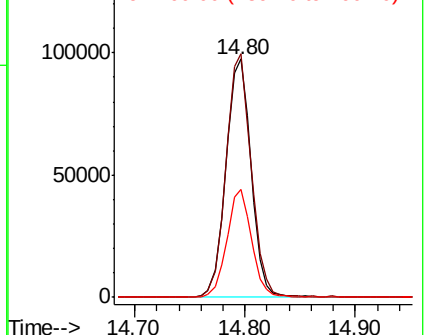
160 45.1 34.2 51.2



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: 113.994 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039532.D

Acq: 15 Feb 2019 22:02

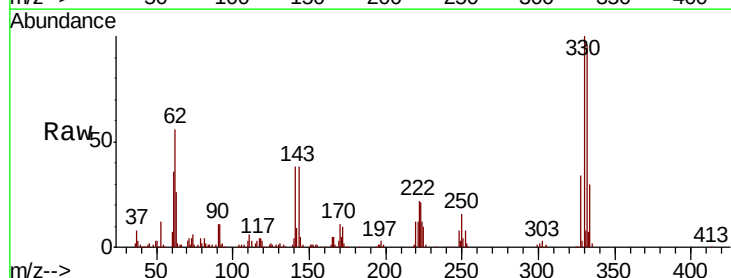
Tgt Ion:330 Resp: 190642

Ion Ratio Lower Upper

330 100

332 95.9 75.7 113.5

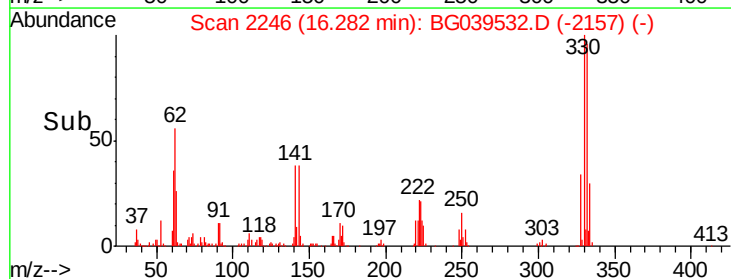
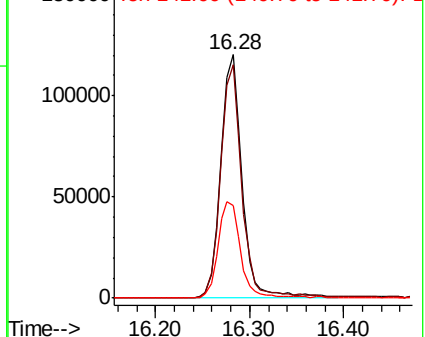
141 41.8 35.6 53.4

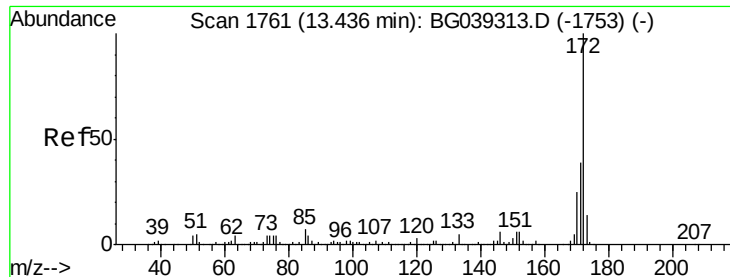


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

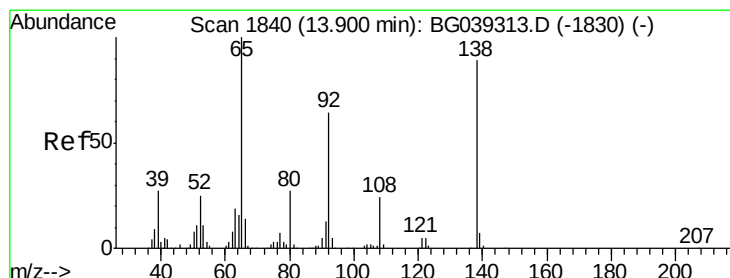
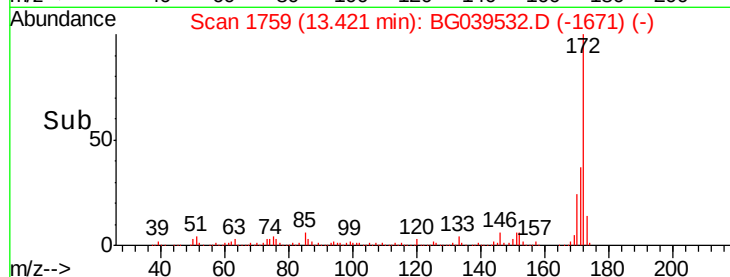
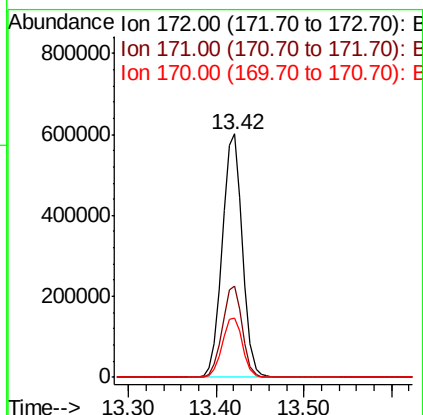
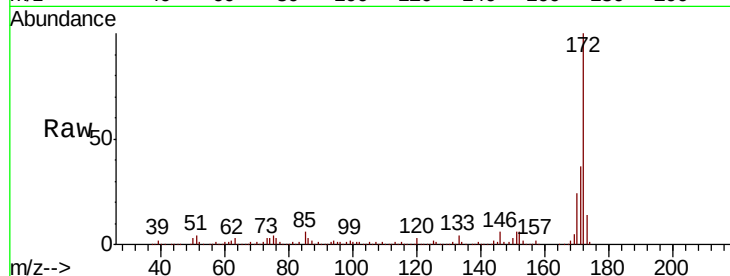




#45
2-Fluorobiphenyl
Concen: 88.350 ng
RT: 13.42 min Scan# 1759
Delta R.T. -0.01 min
Lab File: BG039532.D
Acq: 15 Feb 2019 22:02

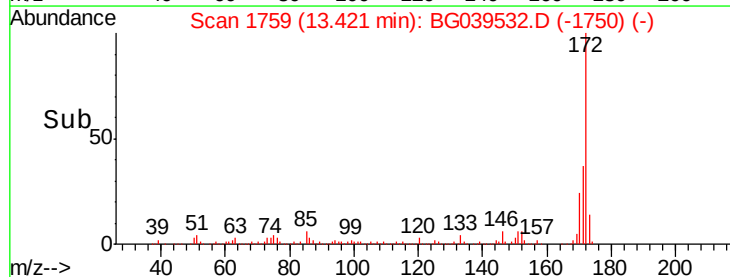
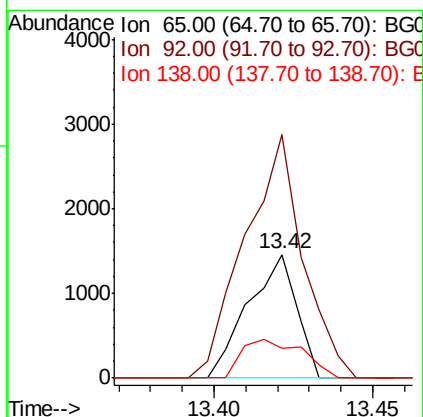
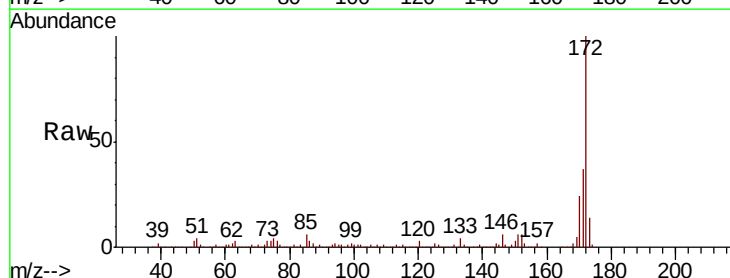
Instrument :
BNA_G
ClientSampleId :
CL-01-021419-C

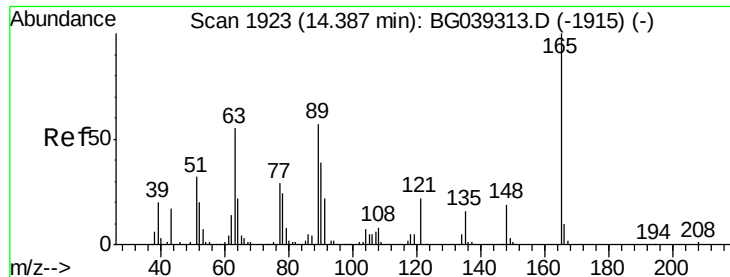
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.8	46.2
170	24.5	20.2	30.4



#48
2-Nitroaniline
Concen: 8.755 ng
RT: 13.42 min Scan# 1759
Delta R.T. -0.48 min
Lab File: BG039532.D
Acq: 15 Feb 2019 22:02

Tgt Ion	Ratio	Lower	Upper
65	100		
92	196.4	51.4	77.2#
138	24.3	71.4	107.2#





#51

2,6-Dinitrotoluene

Concen: 13.971 ng

RT: 14.80 min Scan# 1993

Delta R.T. 0.41 min

Lab File: BG039532.D

Acq: 15 Feb 2019 22:02

Instrument :

BNA_G

ClientSampleId :

CL-01-021419-C

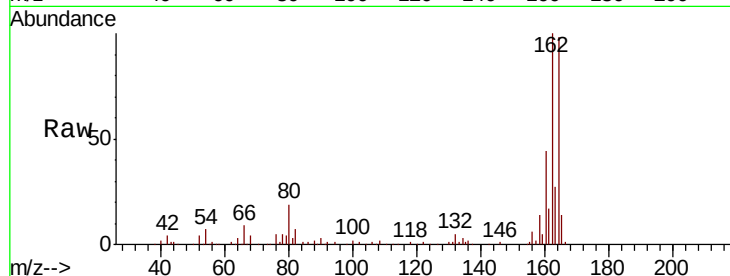
Tgt Ion:165 Resp: 20126

Ion Ratio Lower Upper

165 100

63 1.8 47.0 70.6#

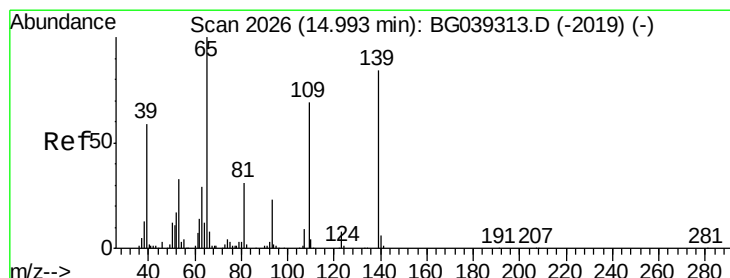
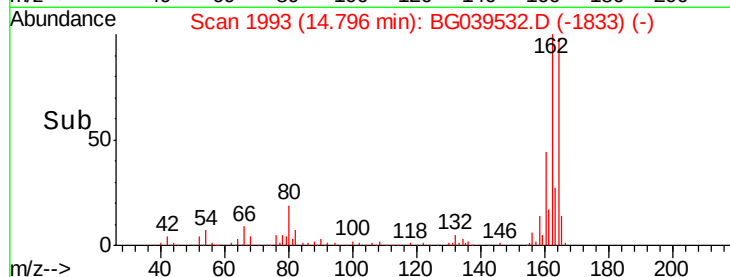
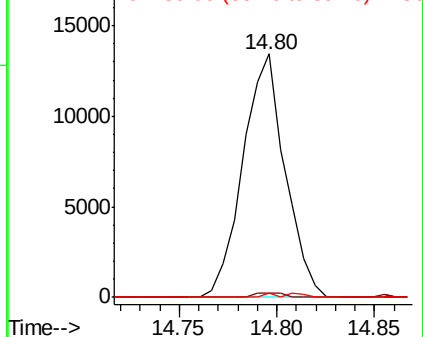
89 1.9 45.8 68.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0



#56

4-Nitrophenol

Concen: 5.952 ng

RT: 15.18 min Scan# 2059

Delta R.T. 0.19 min

Lab File: BG039532.D

Acq: 15 Feb 2019 22:02

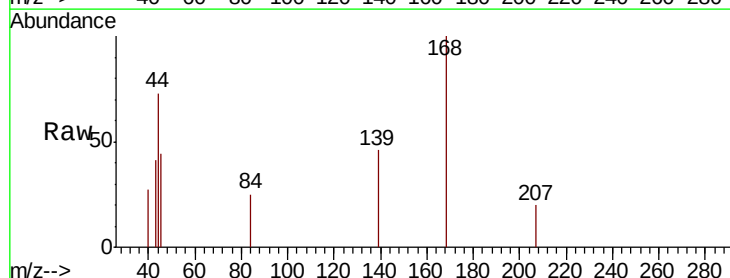
Tgt Ion:139 Resp: 387

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

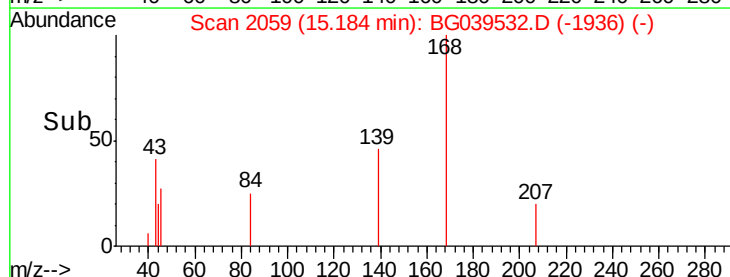
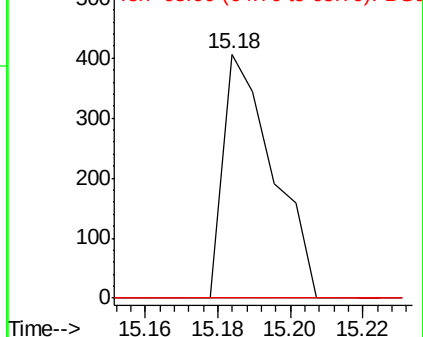
65 0.0 99.1 139.1#

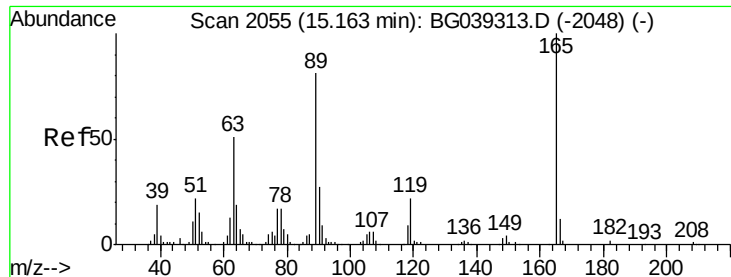


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG0

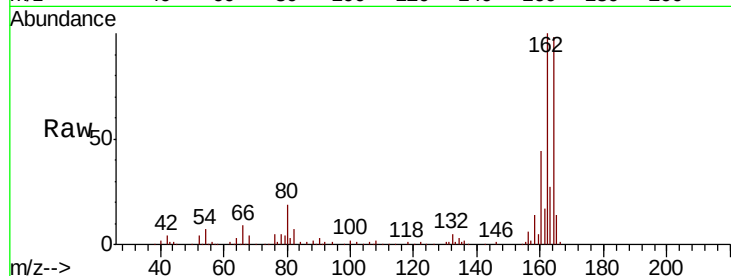




#57
 2,4-Dinitrotoluene
 Concen: 13.435 ng
 RT: 14.80 min Scan# 1993
 Delta R.T. -0.37 min
 Lab File: BG039532.D
 Acq: 15 Feb 2019 22:02

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-021419-C

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	41.0	61.6#
89	1.9	64.6	96.8#
182	0.0	2.0	3.0#



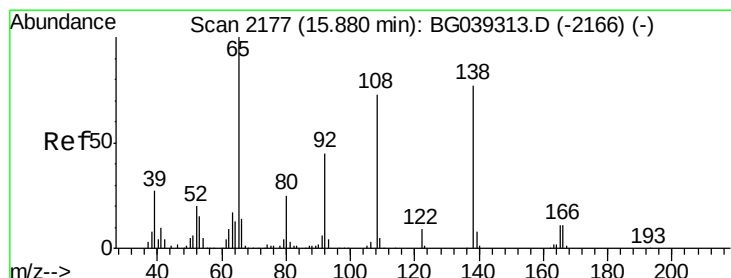
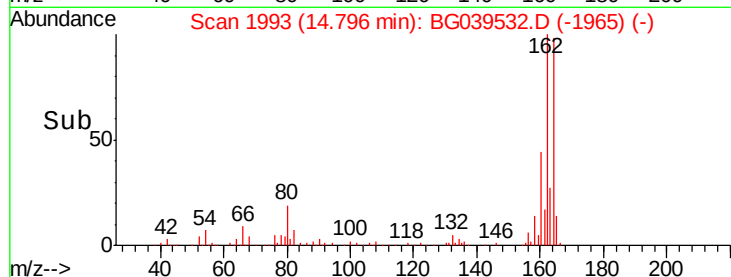
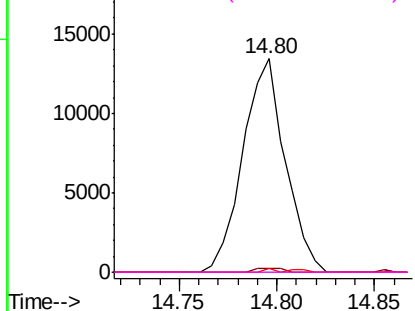
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

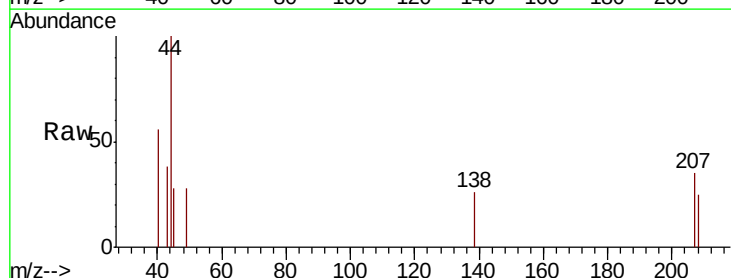
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#62
 4-Nitroaniline
 Concen: 4.223 ng
 RT: 15.37 min Scan# 2091
 Delta R.T. -0.51 min
 Lab File: BG039532.D
 Acq: 15 Feb 2019 22:02

Tgt Ion	Ratio	Lower	Upper
138	100		
92	0.0	38.7	78.7#
108	0.0	74.6	114.6#

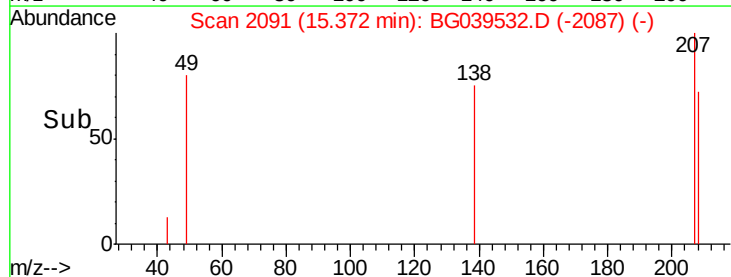
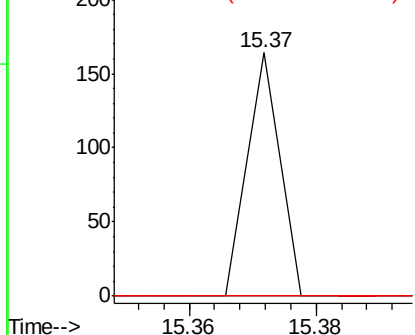


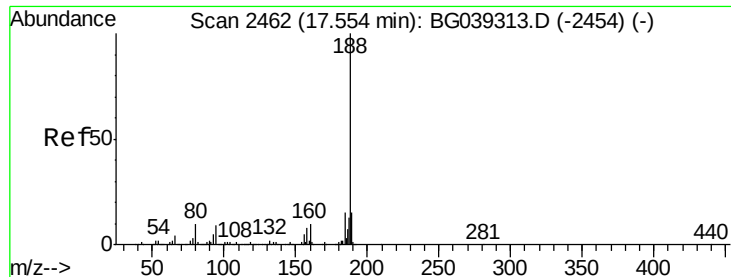
Abundance

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. -0.01 min

Lab File: BG039532.D

Acq: 15 Feb 2019 22:02

Instrument :

BNA_G

ClientSampleId :

CL-01-021419-C

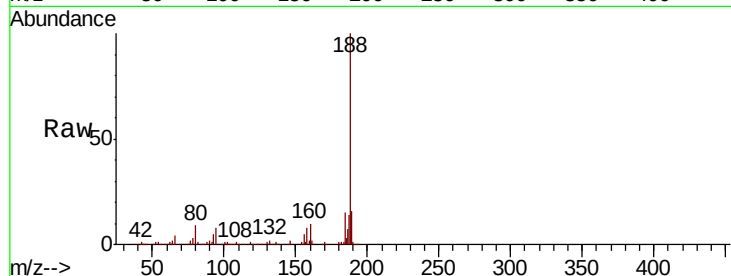
Tgt Ion:188 Resp: 362184

Ion Ratio Lower Upper

188 100

94 8.4 6.9 10.3

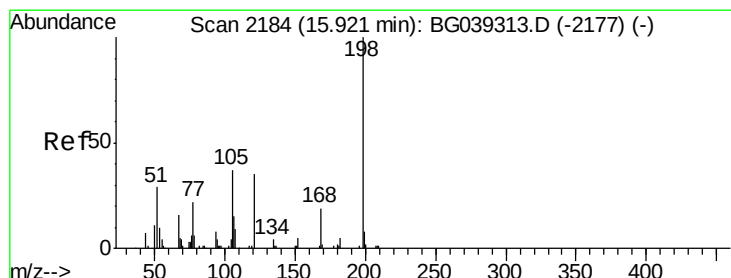
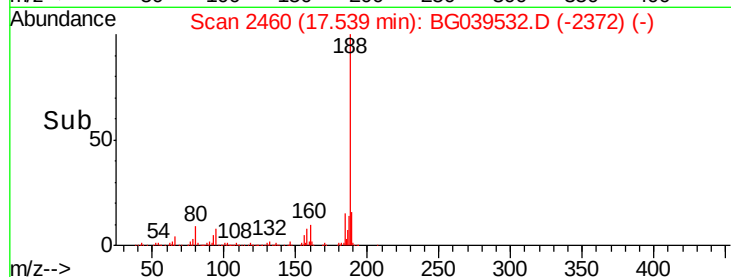
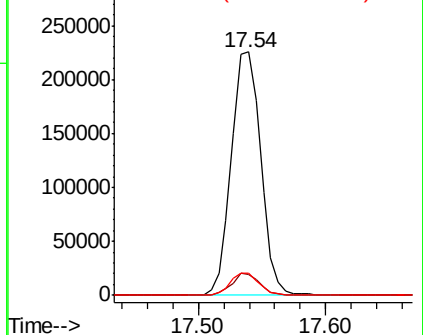
80 9.1 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 4.776 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039532.D

Acq: 15 Feb 2019 22:02

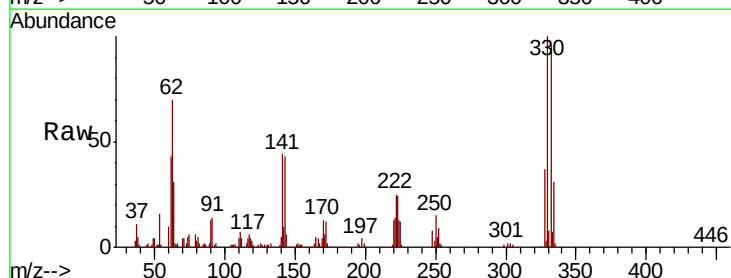
Tgt Ion:198 Resp: 679

Ion Ratio Lower Upper

198 100

51 144.6 27.4 67.4#

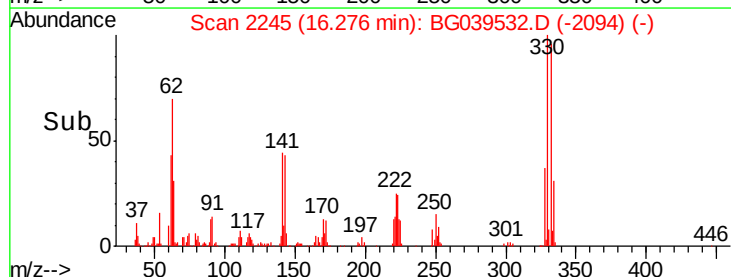
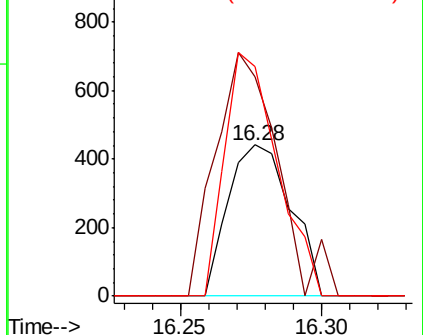
105 151.4 19.7 59.7#

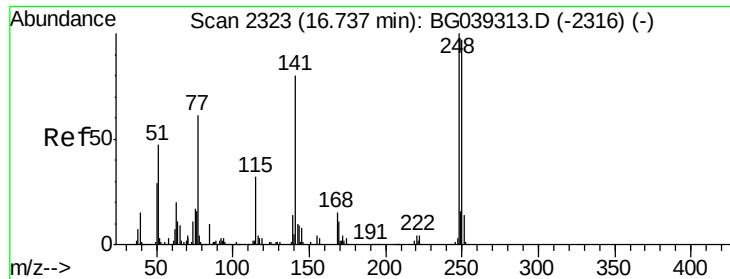


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

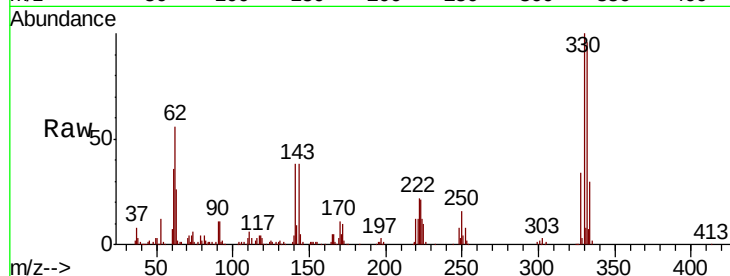




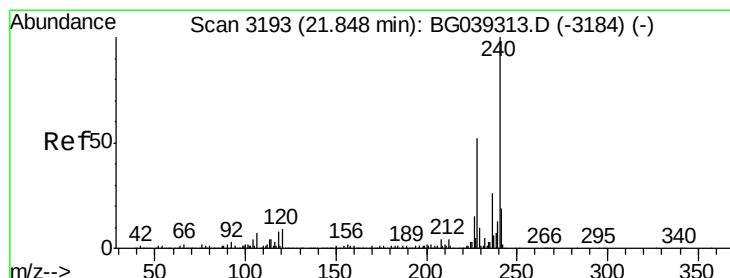
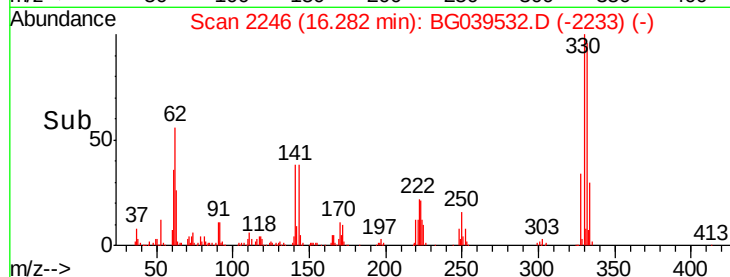
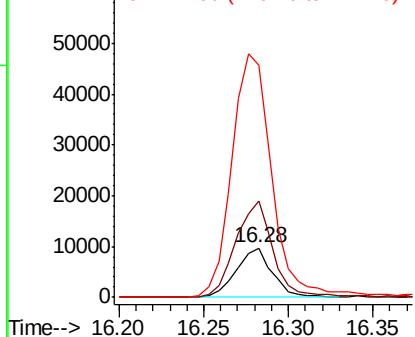
#67
 4-Bromophenyl-phenylether
 Concen: 3.627 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.45 min
 Lab File: BG039532.D
 Acq: 15 Feb 2019 22:02

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-021419-C

Tgt Ion:248 Resp: 14572
 Ion Ratio Lower Upper
 248 100
 250 196.6 77.6 116.4#
 141 472.2 63.9 95.9#

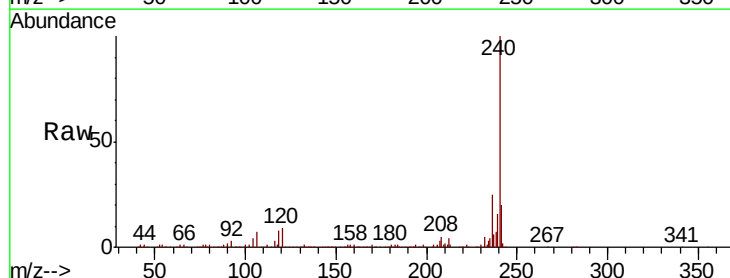


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

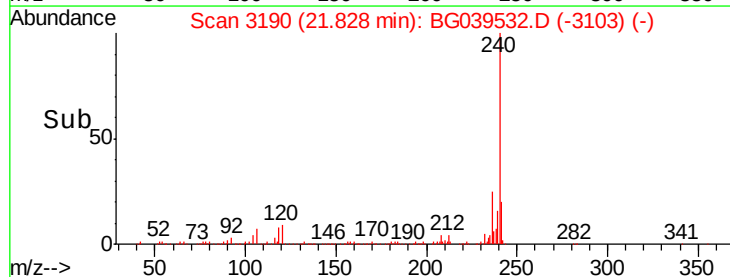
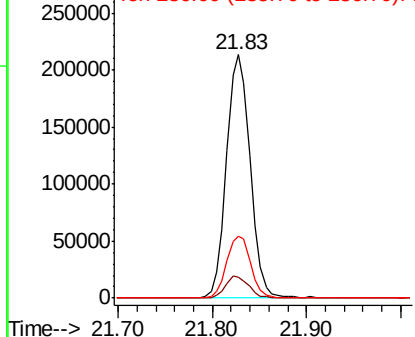


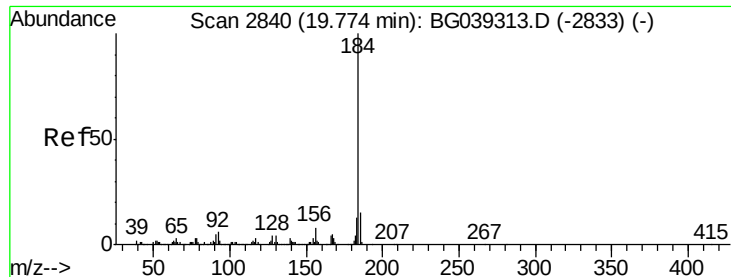
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3190
 Delta R.T. -0.02 min
 Lab File: BG039532.D
 Acq: 15 Feb 2019 22:02

Tgt Ion:240 Resp: 372766
 Ion Ratio Lower Upper
 240 100
 120 8.8 7.0 10.6
 236 25.3 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: 2.127 ng

RT: 20.13 min Scan# 2901

Delta R.T. 0.36 min

Lab File: BG039532.D

Acq: 15 Feb 2019 22:02

Instrument :

BNA_G

ClientSampleId :

CL-01-021419-C

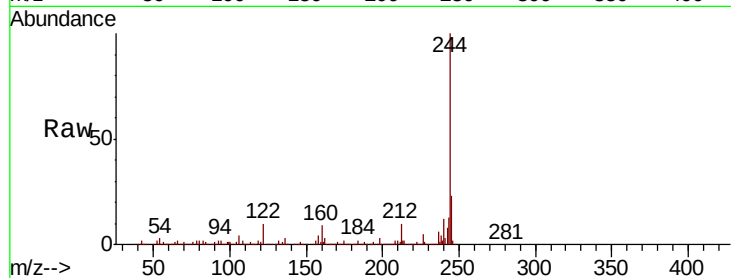
Tgt Ion:184 Resp: 25992

Ion Ratio Lower Upper

184 100

185 15.0 12.2 18.2

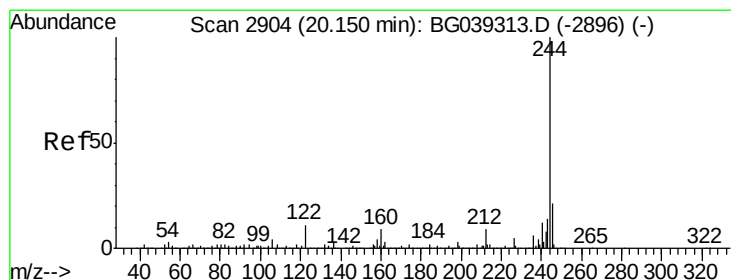
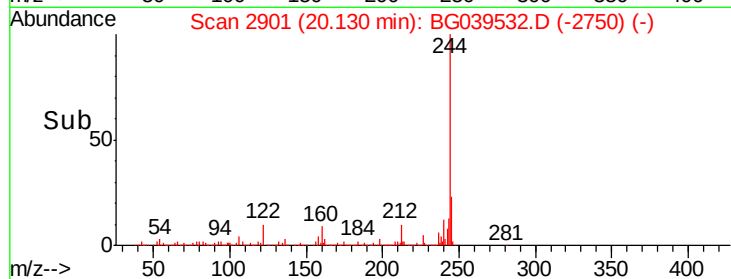
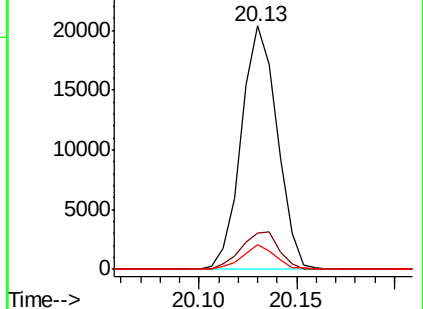
183 9.9 10.6 15.8#



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: 85.495 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039532.D

Acq: 15 Feb 2019 22:02

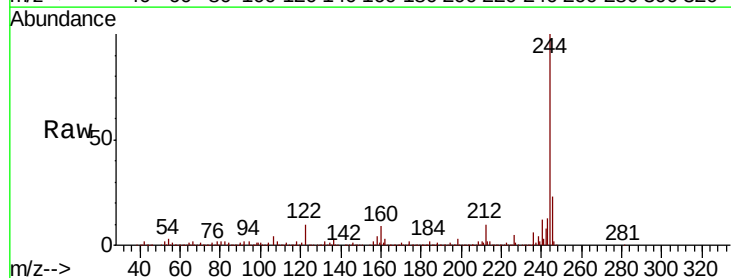
Tgt Ion:244 Resp: 1505638

Ion Ratio Lower Upper

244 100

212 9.6 7.3 10.9

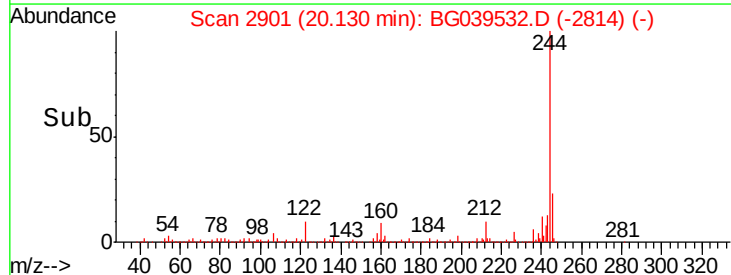
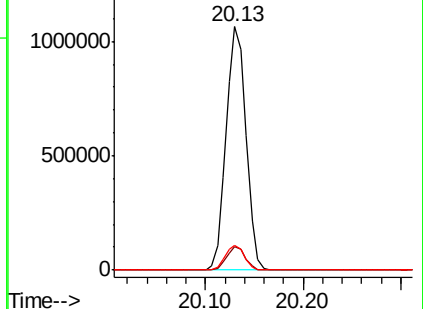
122 10.3 8.4 12.6

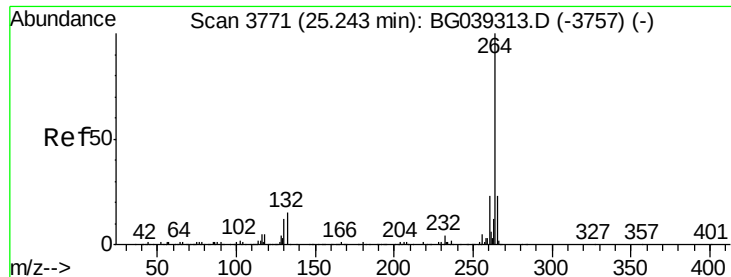


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

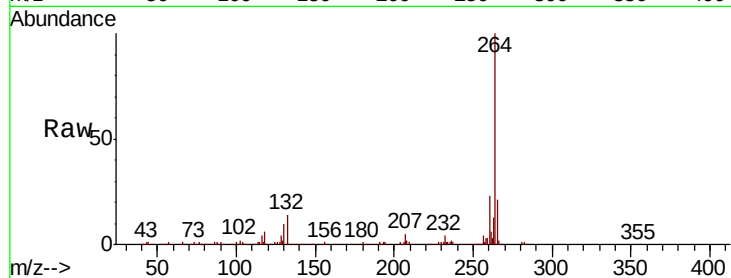




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.22 min Scan# 3767
Delta R.T. -0.03 min
Lab File: BG039532.D
Acq: 15 Feb 2019 22:02

Instrument :
BNA_G
ClientSampleId :
CL-01-021419-C

Tgt Ion:	264	Resp:	348694
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.4
265	21.2	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

