

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021419\
 Data File : BG039516.D
 Acq On : 14 Feb 2019 21:17
 Operator : JU/SJ
 Sample : K1350-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-021319-B

Quant Time: Feb 15 03:12:29 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	43372	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	201061	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	146142	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	363308	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	377427	20.00	ng	-0.02
87) Perylene-d12	25.21	264	374135	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	412768	162.88	ng	0.00
7) Phenol-d6	7.32	99	565914	151.71	ng	0.00
23) Nitrobenzene-d5	9.35	82	393666	122.32	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	240567	152.87	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	1005492	98.70	ng	-0.02
79) Terphenyl-d14	20.13	244	1637512	91.84	ng	-0.02

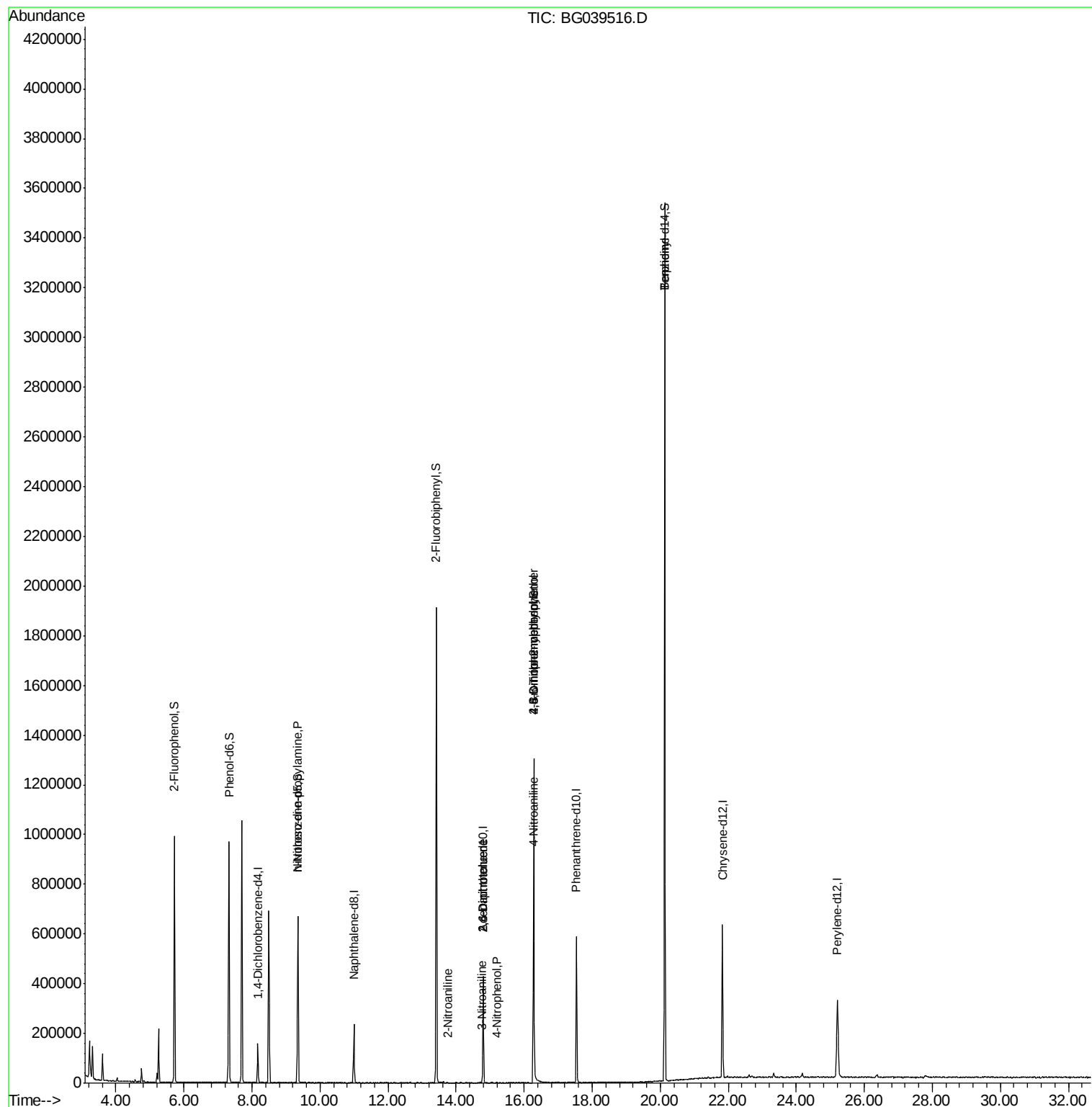
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1000	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.35	70	50297	18.998	ng	# 72
48) 2-Nitroaniline	13.76	65	73	8.319	ng	# 10
51) 2,6-Dinitrotoluene	14.79	165	18798	13.916	ng	# 25
53) 3-Nitroaniline	14.77	138	64	5.816	ng	# 1
56) 4-Nitrophenol	15.21	139	120	5.846	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	18798	13.393	ng	# 20
62) 4-Nitroaniline	16.26	138	57	4.224	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.28	198	957	5.019	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	19136	4.748	ng	# 1
77) Benzidine	20.13	184	29483	2.383	ng	# 94

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021419\
Data File : BG039516.D
Acq On : 14 Feb 2019 21:17
Operator : JU/SJ
Sample : K1350-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-02-021319-B

Quant Time: Feb 15 03:12:29 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



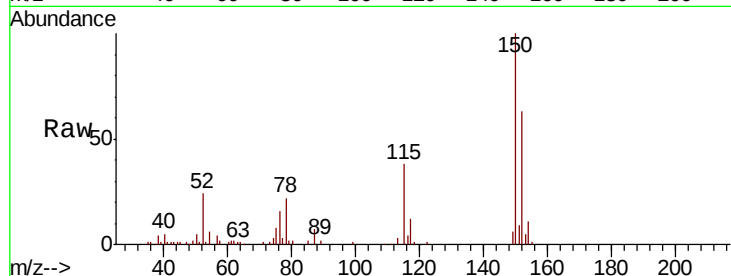


#1

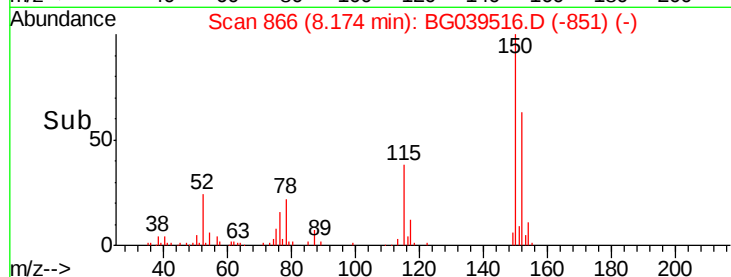
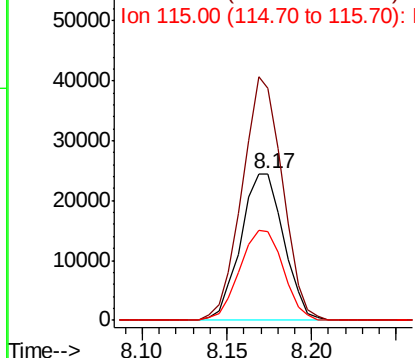
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.17 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: BG039516.D
 Acq: 14 Feb 2019 21:17

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-021319-B

Tgt Ion:152 Resp: 43372
 Ion Ratio Lower Upper
 152 100
 150 158.0 123.7 185.5
 115 60.7 45.9 68.9



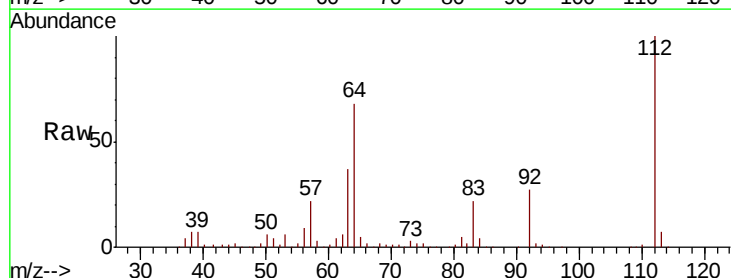
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



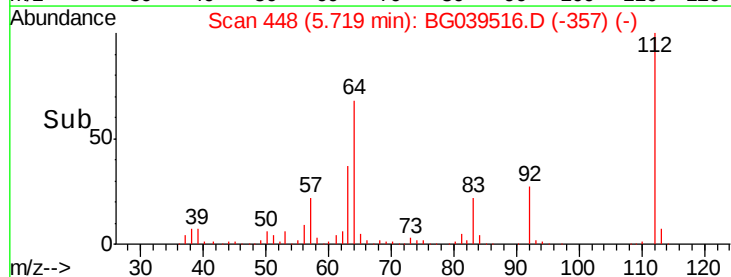
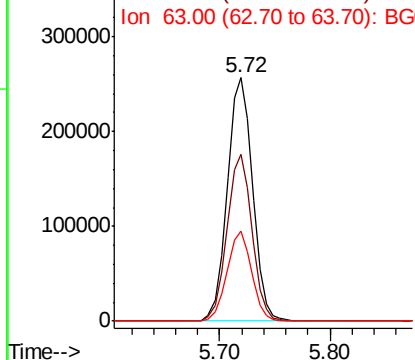
#5

2-Fluorophenol
 Concen: 162.883 ng
 RT: 5.72 min Scan# 448
 Delta R.T. 0.00 min
 Lab File: BG039516.D
 Acq: 14 Feb 2019 21:17

Tgt Ion:112 Resp: 412768
 Ion Ratio Lower Upper
 112 100
 64 68.4 57.8 86.8
 63 37.0 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: 151.712 ng

RT: 7.32 min Scan# 721

Delta R.T. 0.00 min

Lab File: BG039516.D

Acq: 14 Feb 2019 21:17

Instrument :

BNA_G

ClientSampleId :

EO-02-021319-B

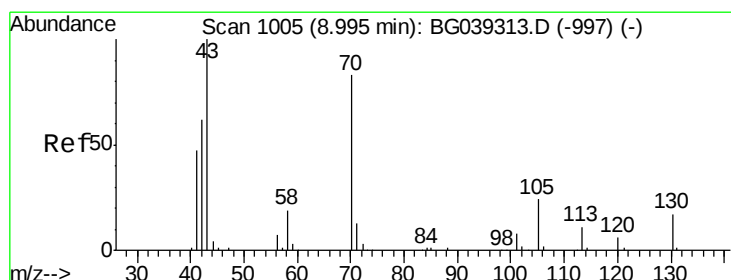
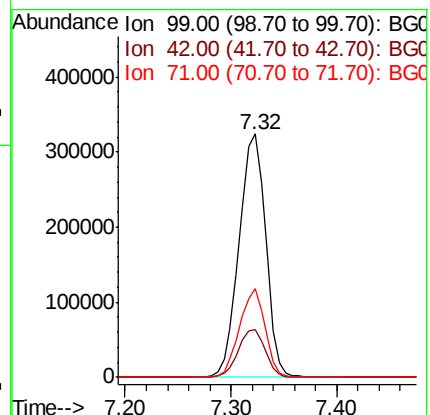
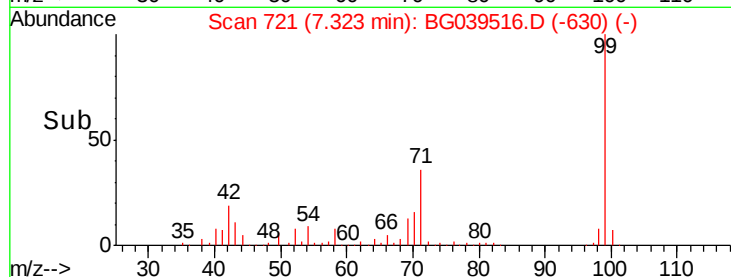
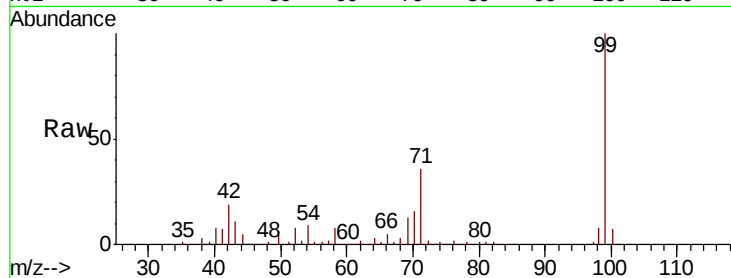
Tgt Ion: 99 Resp: 565914

Ion Ratio Lower Upper

99 100

42 19.4 18.2 27.2

71 36.5 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 18.998 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.35 min

Lab File: BG039516.D

Acq: 14 Feb 2019 21:17

Tgt Ion: 70 Resp: 50297

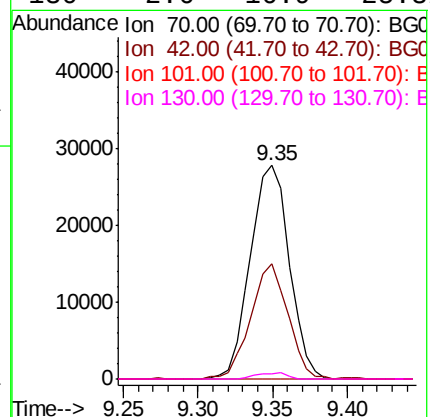
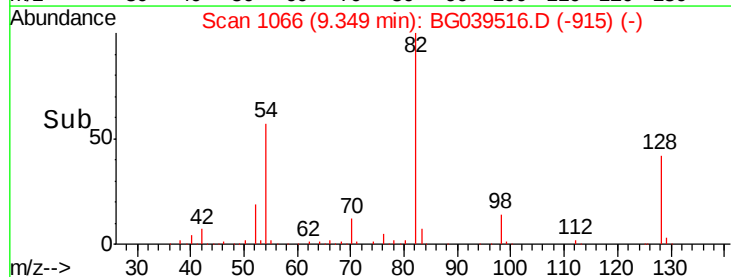
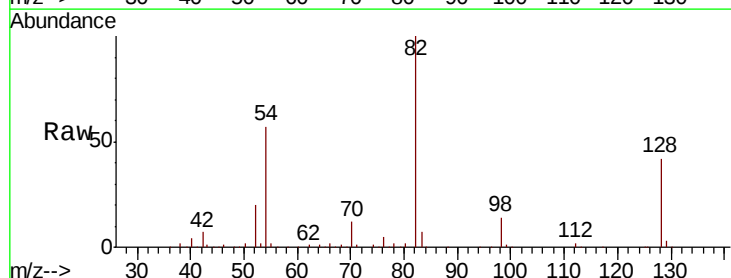
Ion Ratio Lower Upper

70 100

42 54.2 60.4 90.6#

101 0.0 7.5 11.3#

130 2.6 16.9 25.3#

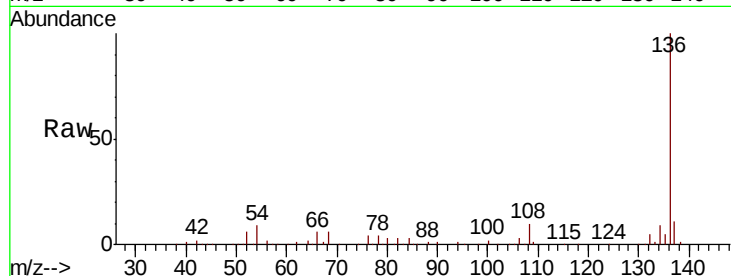




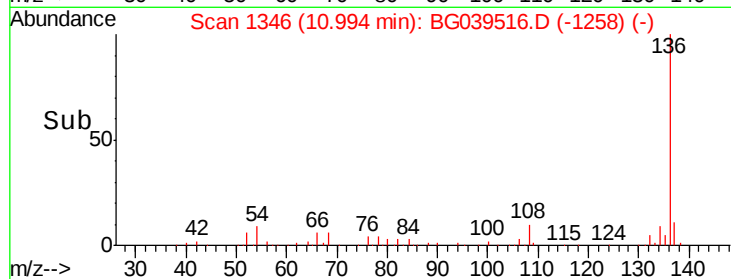
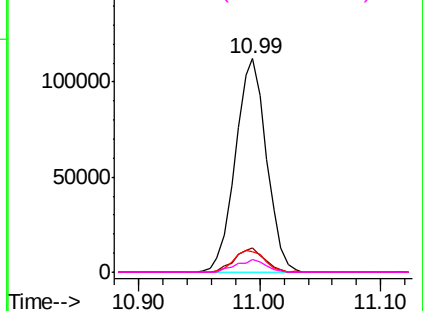
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1346
Delta R.T. -0.02 min
Lab File: BG039516.D
Acq: 14 Feb 2019 21:17

Instrument :
BNA_G
ClientSampleId :
EO-02-021319-B

Tgt Ion:	136	Resp:	201061
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	9.5	9.4	14.2
68	5.9	4.2	6.4

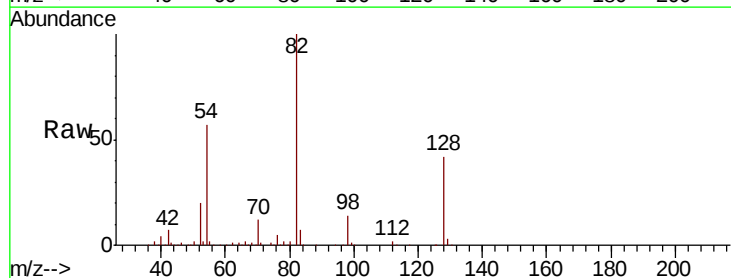


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

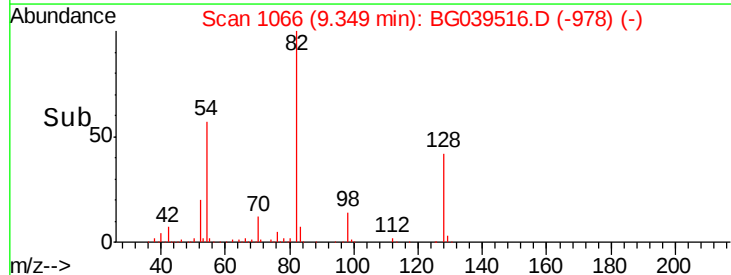
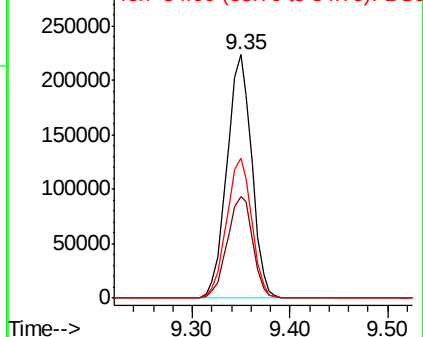


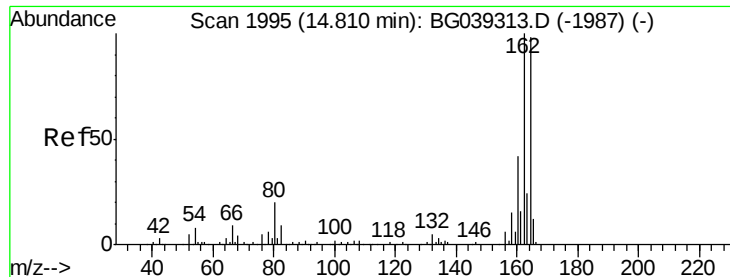
#23
Nitrobenzene-d5
Concen: 122.316 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039516.D
Acq: 14 Feb 2019 21:17

Tgt Ion:	82	Resp:	393666
Ion	Ratio	Lower	Upper
82	100		
128	41.8	31.3	46.9
54	57.3	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# 1993

Delta R.T. -0.02 min

Lab File: BG039516.D

Acq: 14 Feb 2019 21:17

Instrument :

BNA_G

ClientSampleId :

EO-02-021319-B

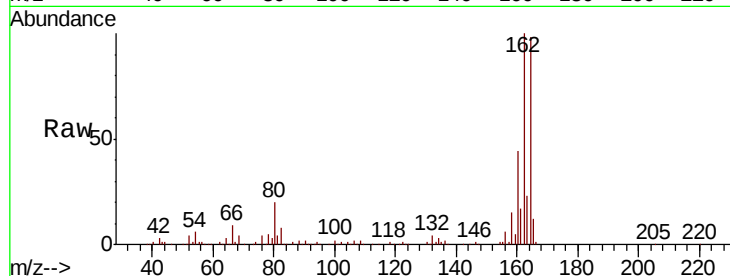
Tgt Ion:164 Resp: 146142

Ion Ratio Lower Upper

164 100

162 102.3 81.6 122.4

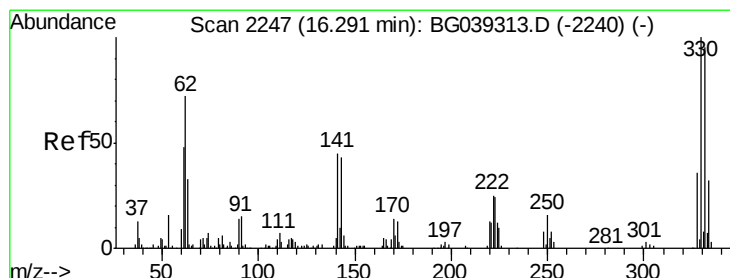
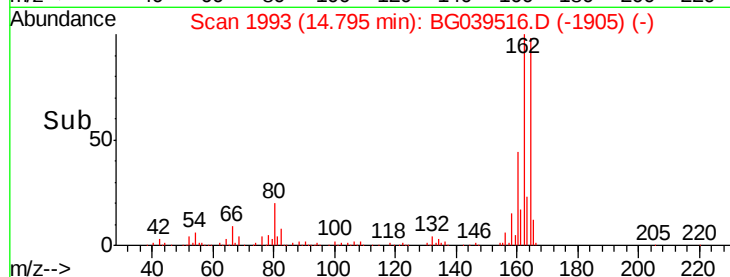
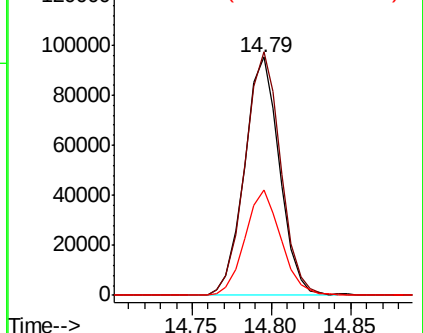
160 44.5 34.2 51.2



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: 152.867 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039516.D

Acq: 14 Feb 2019 21:17

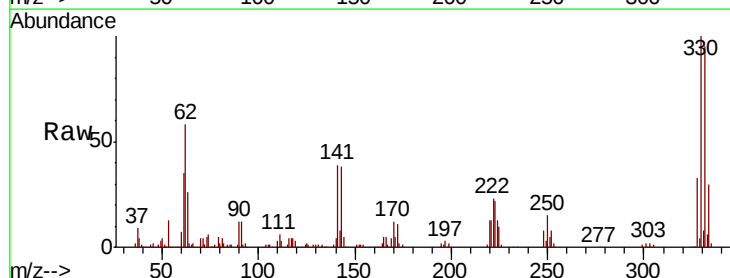
Tgt Ion:330 Resp: 240567

Ion Ratio Lower Upper

330 100

332 97.1 75.7 113.5

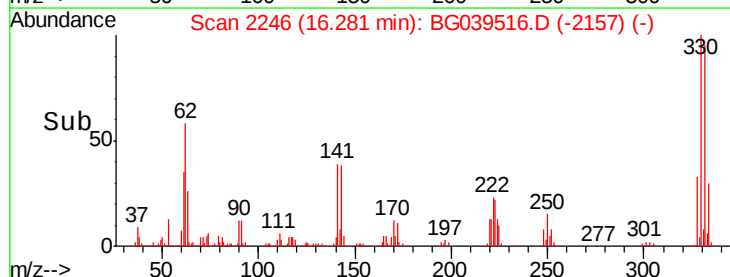
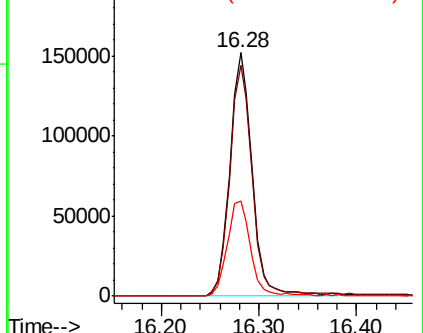
141 40.9 35.6 53.4



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

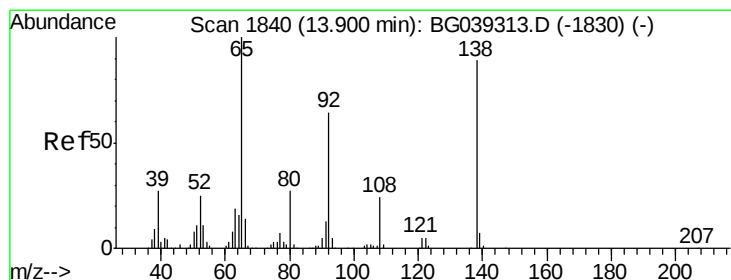
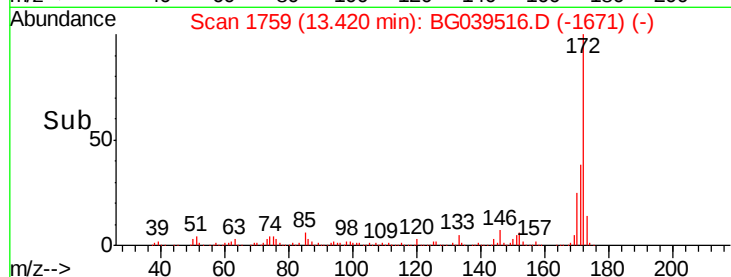
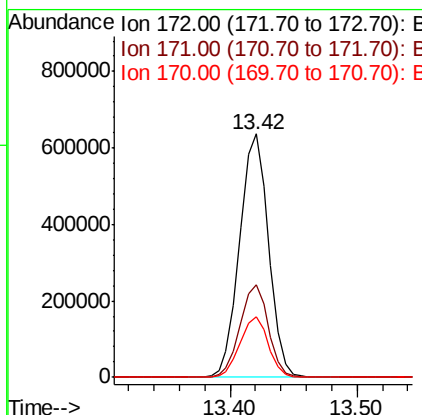
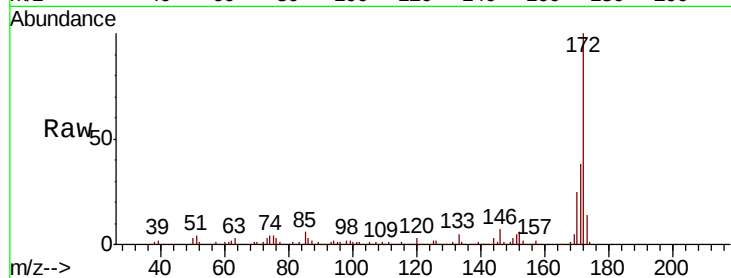




#45
2-Fluorobiphenyl
Concen: 98.700 ng
RT: 13.42 min Scan# 1759
Delta R.T. -0.02 min
Lab File: BG039516.D
Acq: 14 Feb 2019 21:17

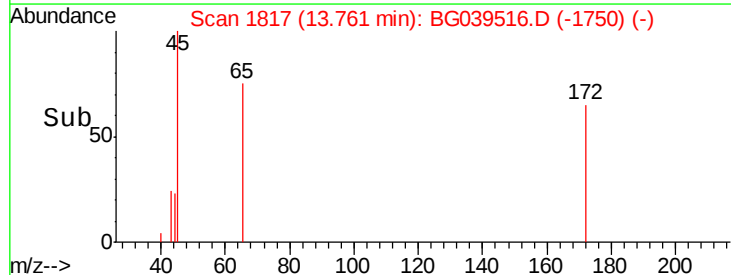
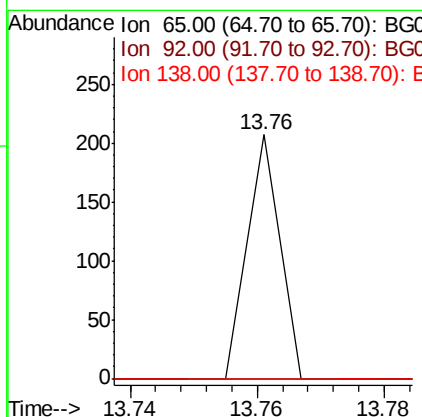
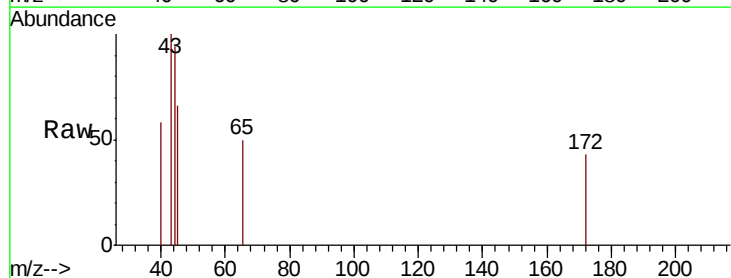
Instrument :
BNA_G
ClientSampleId :
EO-02-021319-B

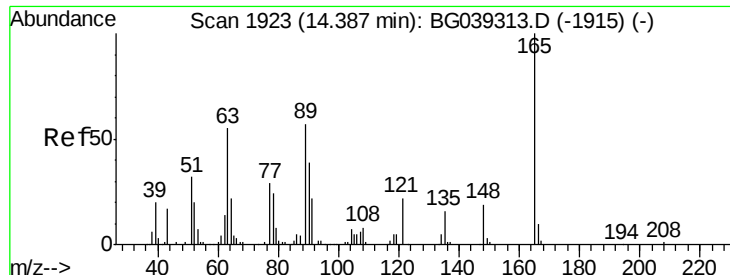
Tgt Ion: 172 Resp: 1005492
Ion Ratio Lower Upper
172 100
171 38.0 30.8 46.2
170 25.0 20.2 30.4



#48
2-Nitroaniline
Concen: 8.319 ng
RT: 13.76 min Scan# 1817
Delta R.T. -0.14 min
Lab File: BG039516.D
Acq: 14 Feb 2019 21:17

Tgt Ion: 65 Resp: 73
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: 13.916 ng

RT: 14.79 min Scan# 1993

Delta R.T. 0.41 min

Lab File: BG039516.D

Acq: 14 Feb 2019 21:17

Instrument :

BNA_G

ClientSampleId :

EO-02-021319-B

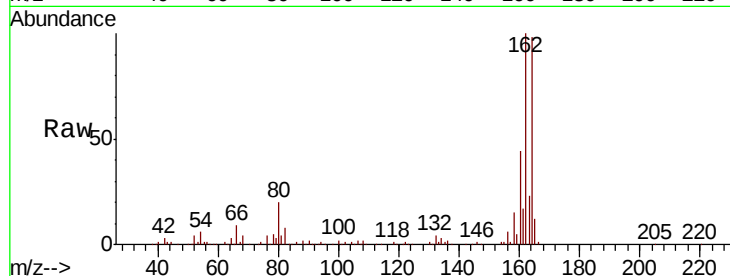
Tgt Ion:165 Resp: 18798

Ion Ratio Lower Upper

165 100

63 2.9 47.0 70.6#

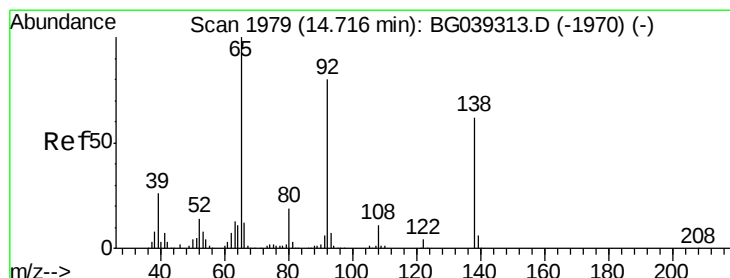
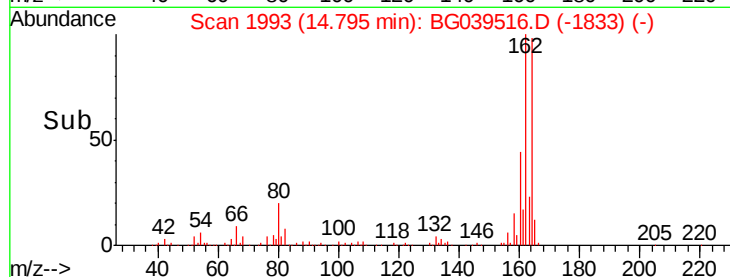
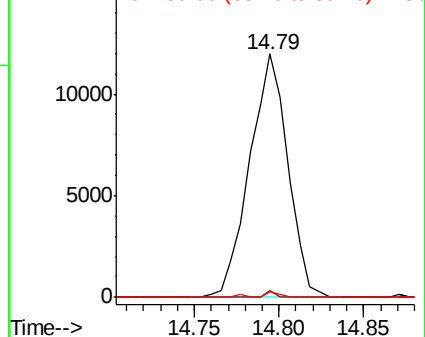
89 2.4 45.8 68.8#



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: 5.816 ng

RT: 14.77 min Scan# 1988

Delta R.T. 0.05 min

Lab File: BG039516.D

Acq: 14 Feb 2019 21:17

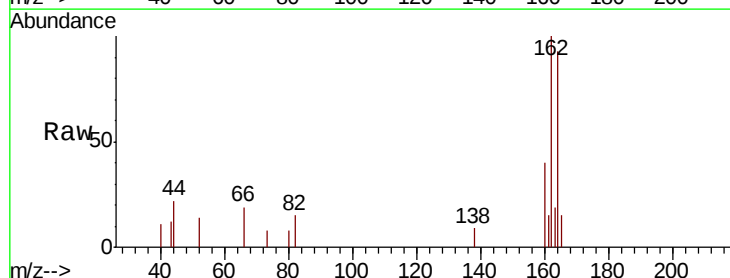
Tgt Ion:138 Resp: 64

Ion Ratio Lower Upper

138 100

108 0.0 13.8 20.8#

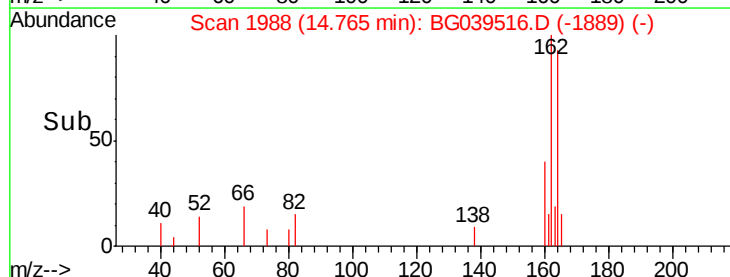
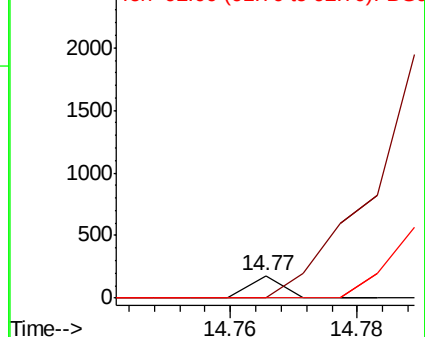
92 0.0 103.7 155.5#

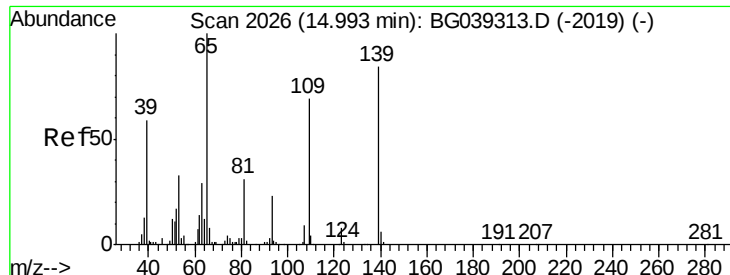


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

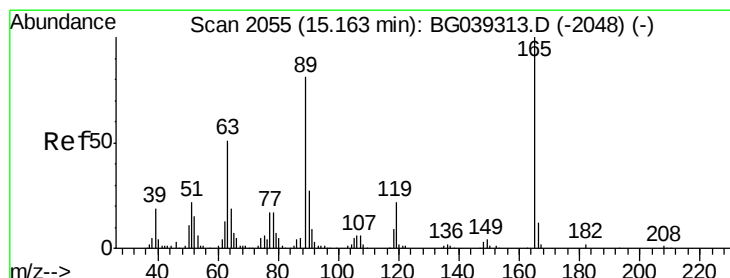
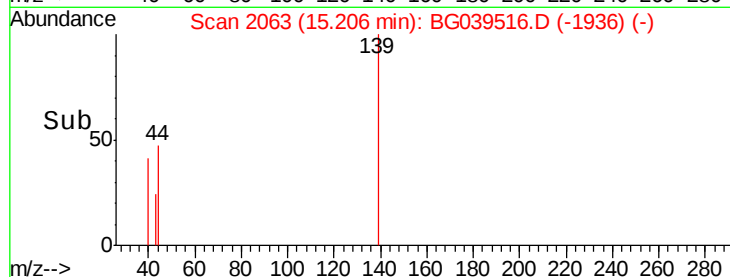
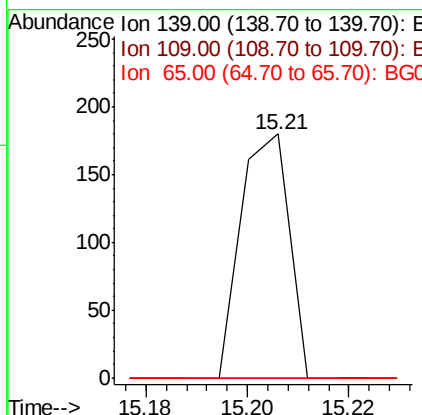
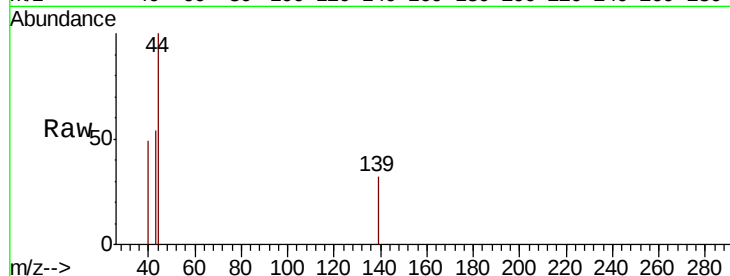




#56
4-Nitrophenol
Concen: 5.846 ng
RT: 15.21 min Scan# 2063
Delta R.T. 0.21 min
Lab File: BG039516.D
Acq: 14 Feb 2019 21:17

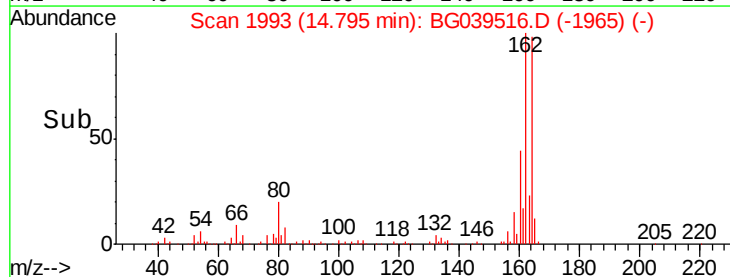
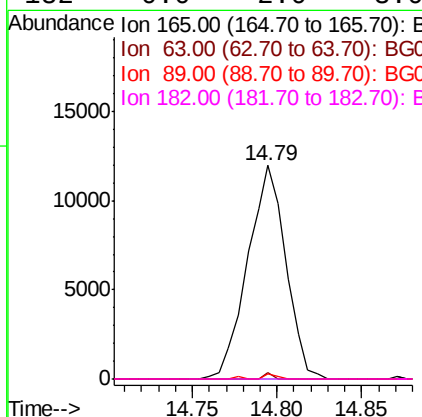
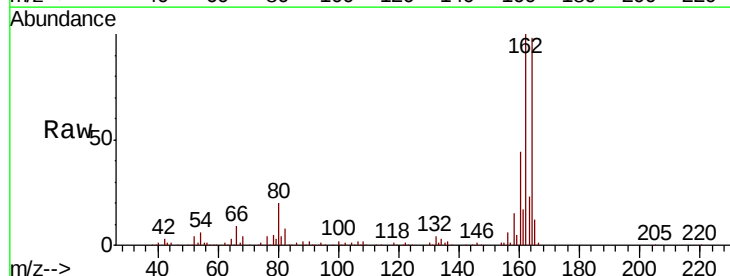
Instrument :
BNA_G
ClientSampleId :
EO-02-021319-B

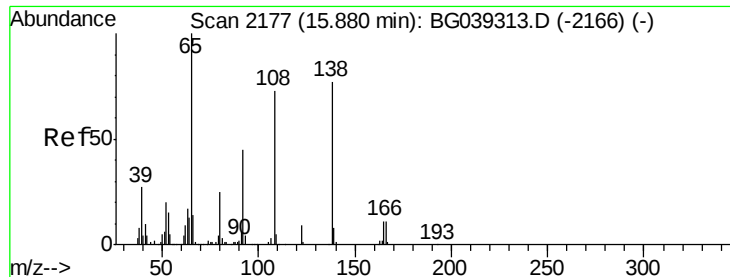
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	61.9	101.9#
65	0.0	99.1	139.1#



#57
2,4-Dinitrotoluene
Concen: 13.393 ng
RT: 14.79 min Scan# 1993
Delta R.T. -0.37 min
Lab File: BG039516.D
Acq: 14 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.9	41.0	61.6#
89	2.4	64.6	96.8#
182	0.0	2.0	3.0#





#62

4-Nitroaniline

Concen: 4.224 ng

RT: 16.26 min Scan# 2243

Delta R.T. 0.38 min

Lab File: BG039516.D

Acq: 14 Feb 2019 21:17

Instrument :

BNA_G

ClientSampleId :

EO-02-021319-B

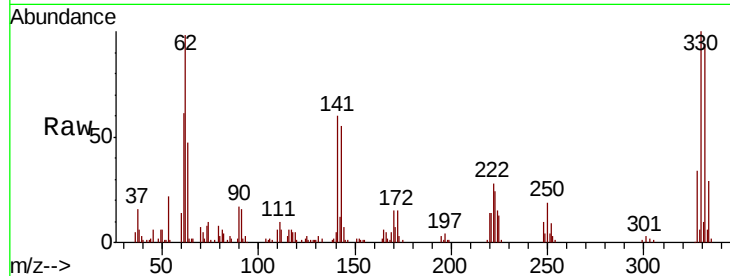
Tgt Ion:138 Resp: 57

Ion Ratio Lower Upper

138 100

92 301.2 38.7 78.7#

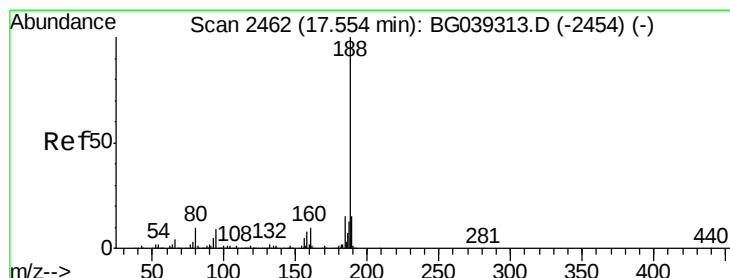
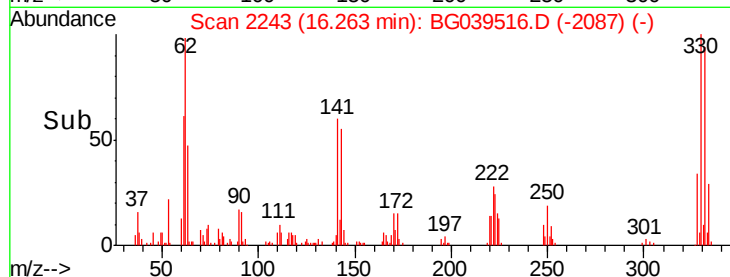
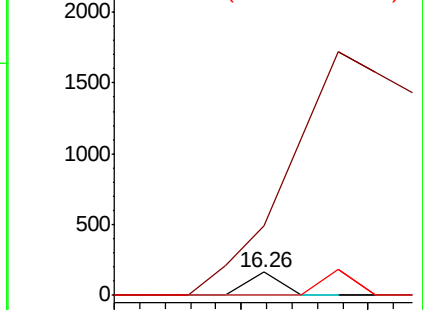
108 0.0 74.6 114.6#



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: BG039516.D

Acq: 14 Feb 2019 21:17

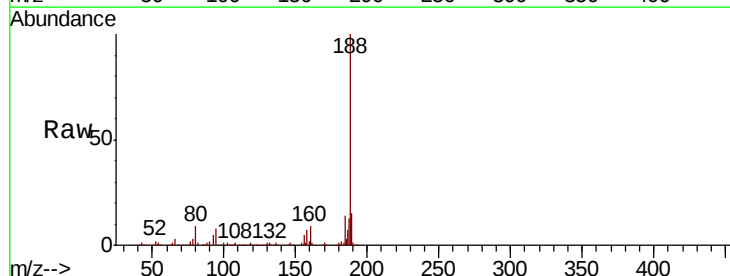
Tgt Ion:188 Resp: 363308

Ion Ratio Lower Upper

188 100

94 7.9 6.9 10.3

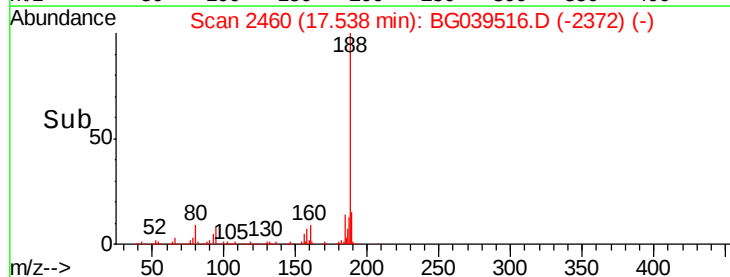
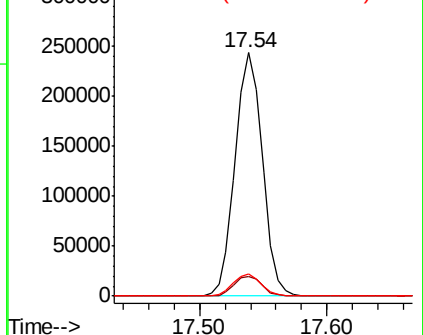
80 9.0 8.1 12.1

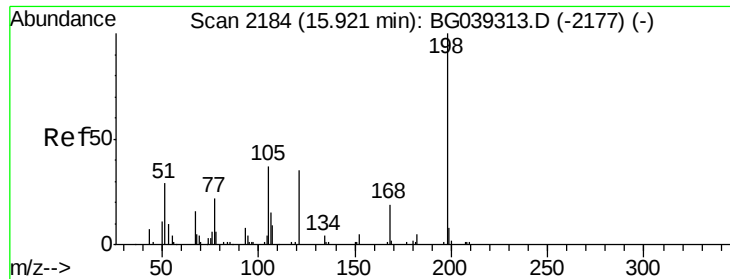


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.019 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.36 min

Lab File: BG039516.D

Acq: 14 Feb 2019 21:17

Instrument :

BNA_G

ClientSampleId :

EO-02-021319-B

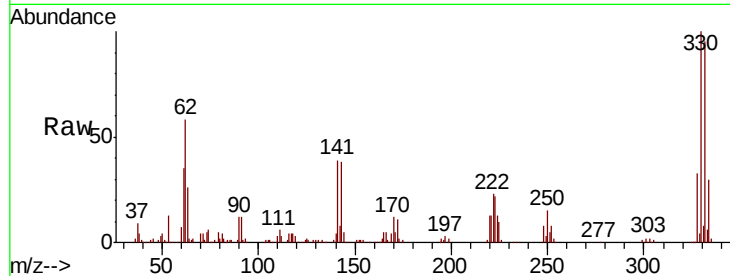
Tgt Ion:198 Resp: 957

Ion Ratio Lower Upper

198 100

51 144.4 27.4 67.4#

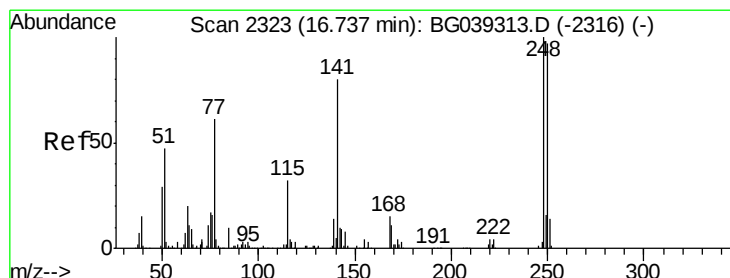
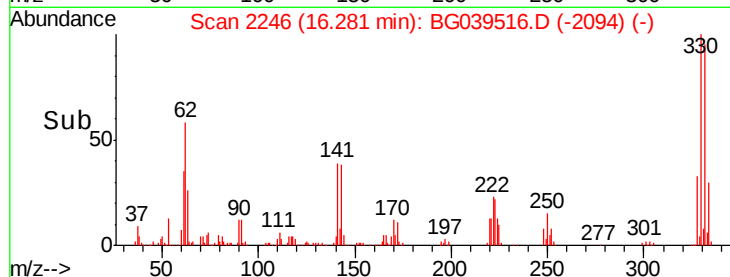
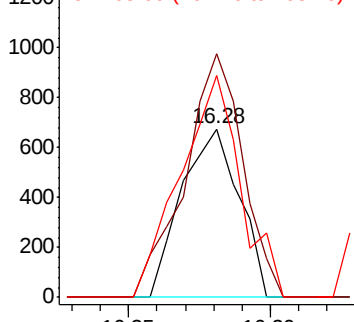
105 131.8 19.7 59.7#



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: 4.748 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.46 min

Lab File: BG039516.D

Acq: 14 Feb 2019 21:17

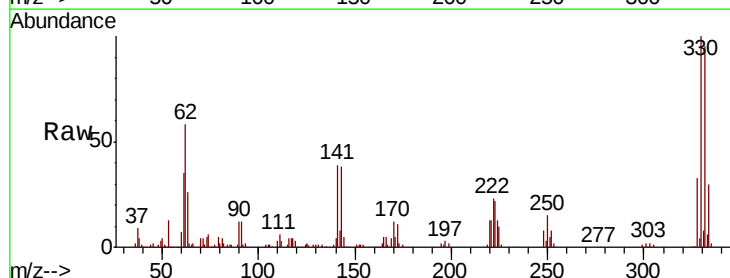
Tgt Ion:248 Resp: 19136

Ion Ratio Lower Upper

248 100

250 184.3 77.6 116.4#

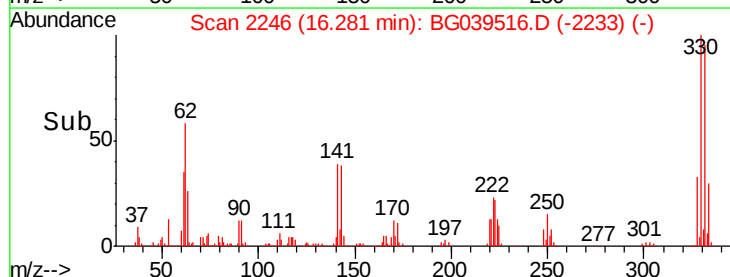
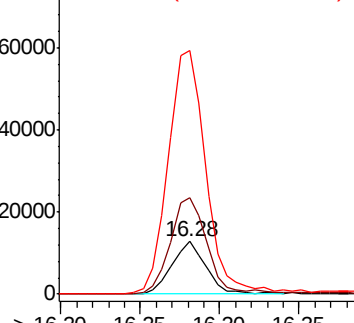
141 463.8 63.9 95.9#

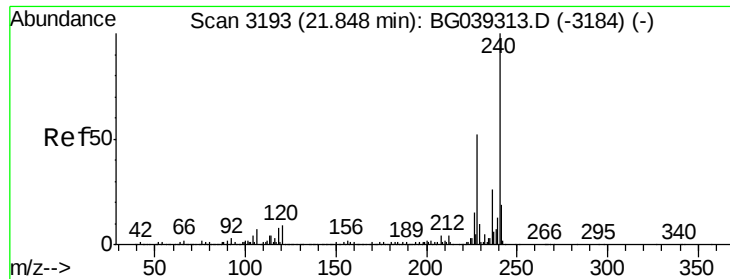


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

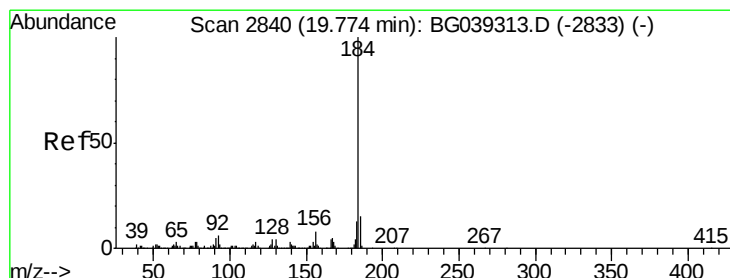
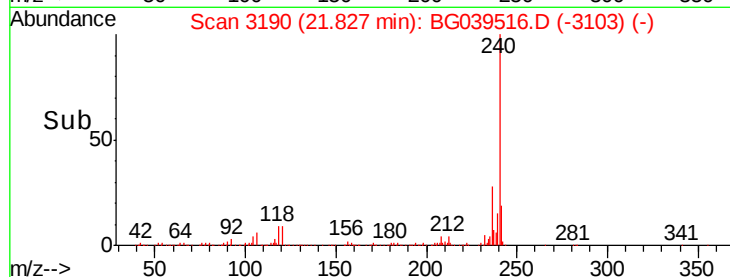
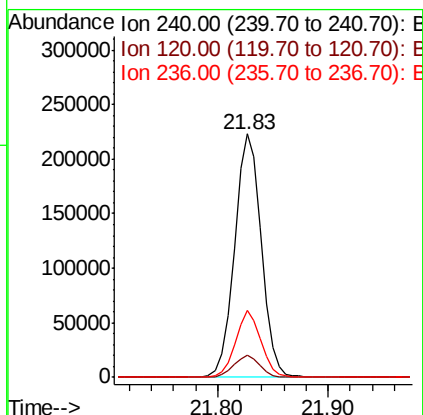
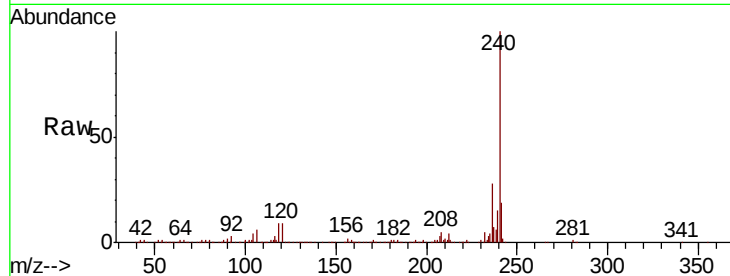




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039516.D
Acq: 14 Feb 2019 21:17

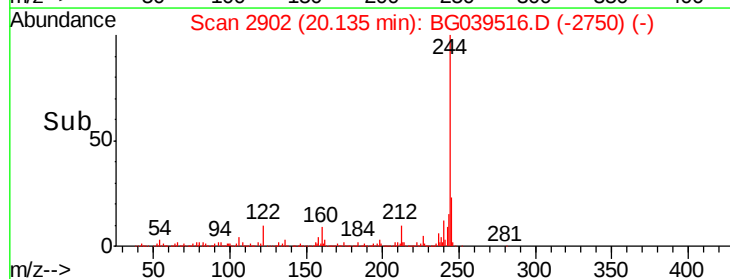
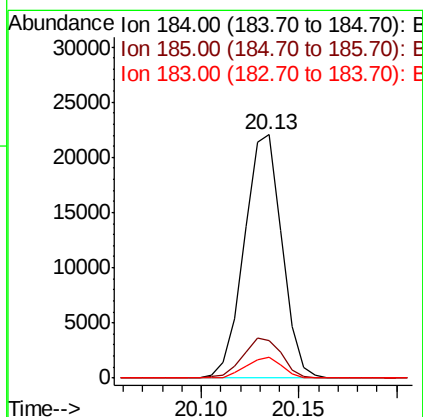
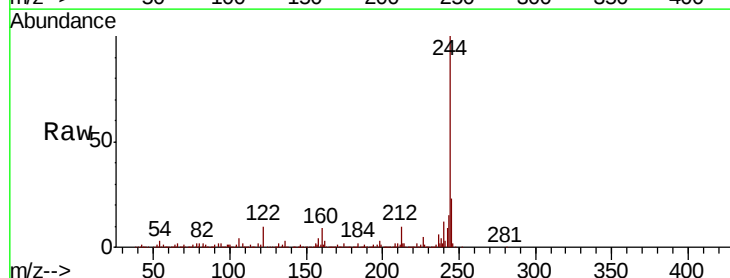
Instrument :
BNA_G
ClientSampleId :
EO-02-021319-B

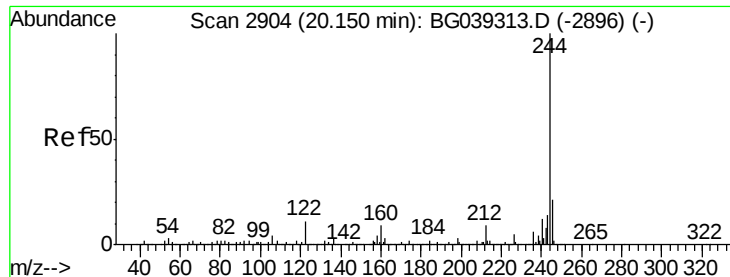
Tgt Ion: 240 Resp: 377427
Ion Ratio Lower Upper
240 100
120 8.9 7.0 10.6
236 27.7 21.0 31.4



#77
Benzidine
Concen: 2.383 ng
RT: 20.13 min Scan# 2902
Delta R.T. 0.36 min
Lab File: BG039516.D
Acq: 14 Feb 2019 21:17

Tgt Ion: 184 Resp: 29483
Ion Ratio Lower Upper
184 100
185 15.4 12.2 18.2
183 8.5 10.6 15.8#





#79

Terphenyl-d14

Concen: 91.835 ng

RT: 20.13 min Scan# 2902

Delta R.T. -0.02 min

Lab File: BG039516.D

Acq: 14 Feb 2019 21:17

Instrument :

BNA_G

ClientSampleId :

EO-02-021319-B

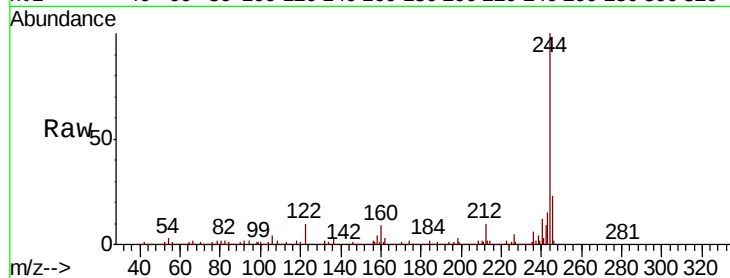
Tgt Ion:244 Resp: 1637512

Ion Ratio Lower Upper

244 100

212 9.8 7.3 10.9

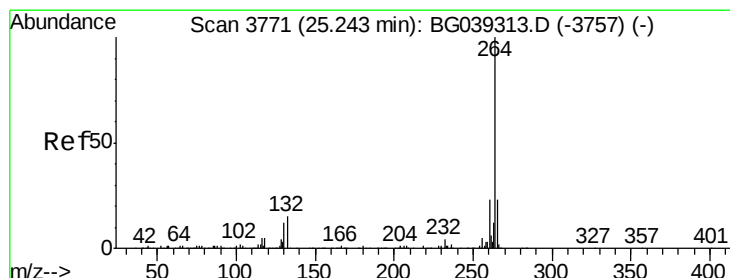
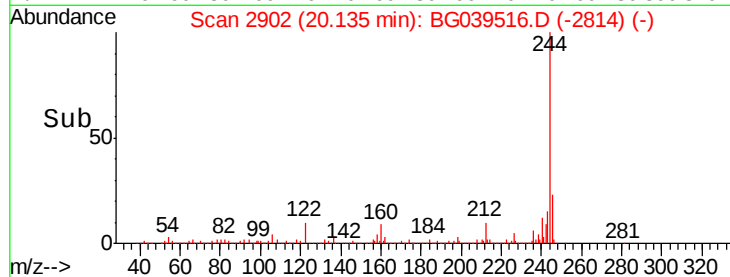
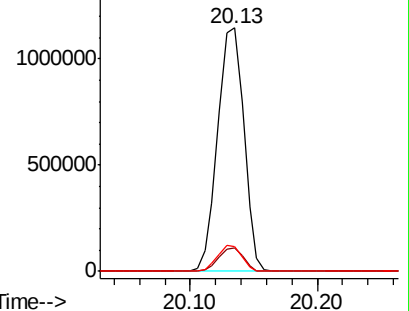
122 10.2 8.4 12.6



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# 3766

Delta R.T. -0.03 min

Lab File: BG039516.D

Acq: 14 Feb 2019 21:17

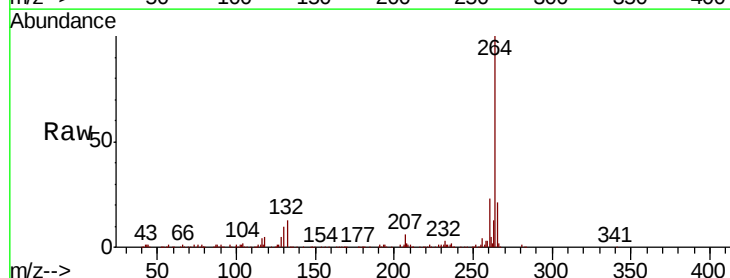
Tgt Ion:264 Resp: 374135

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

