

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG020519\
 Data File : BG039360.D
 Acq On : 5 Feb 2019 18:47
 Operator : JU/SJ
 Sample : K1350-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-03-020419-A

Quant Time: Feb 05 21:32:38 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	50722	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	214021	20.00	ng	0.00
39) Acenaphthene-d10	14.80	164	136609	20.00	ng	0.00
64) Phenanthrene-d10	17.54	188	332743	20.00	ng	0.00
76) Chrysene-d12	21.83	240	367778	20.00	ng	-0.02
87) Perylene-d12	25.22	264	367024	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	388870	131.22	ng	0.00
7) Phenol-d6	7.32	99	494996	113.47	ng	0.00
23) Nitrobenzene-d5	9.36	82	348736	101.79	ng	0.00
42) 2,4,6-Tribromophenol	16.29	330	192496	130.86	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	864851	90.82	ng	0.00
79) Terphenyl-d14	20.14	244	1401554	80.66	ng	0.00

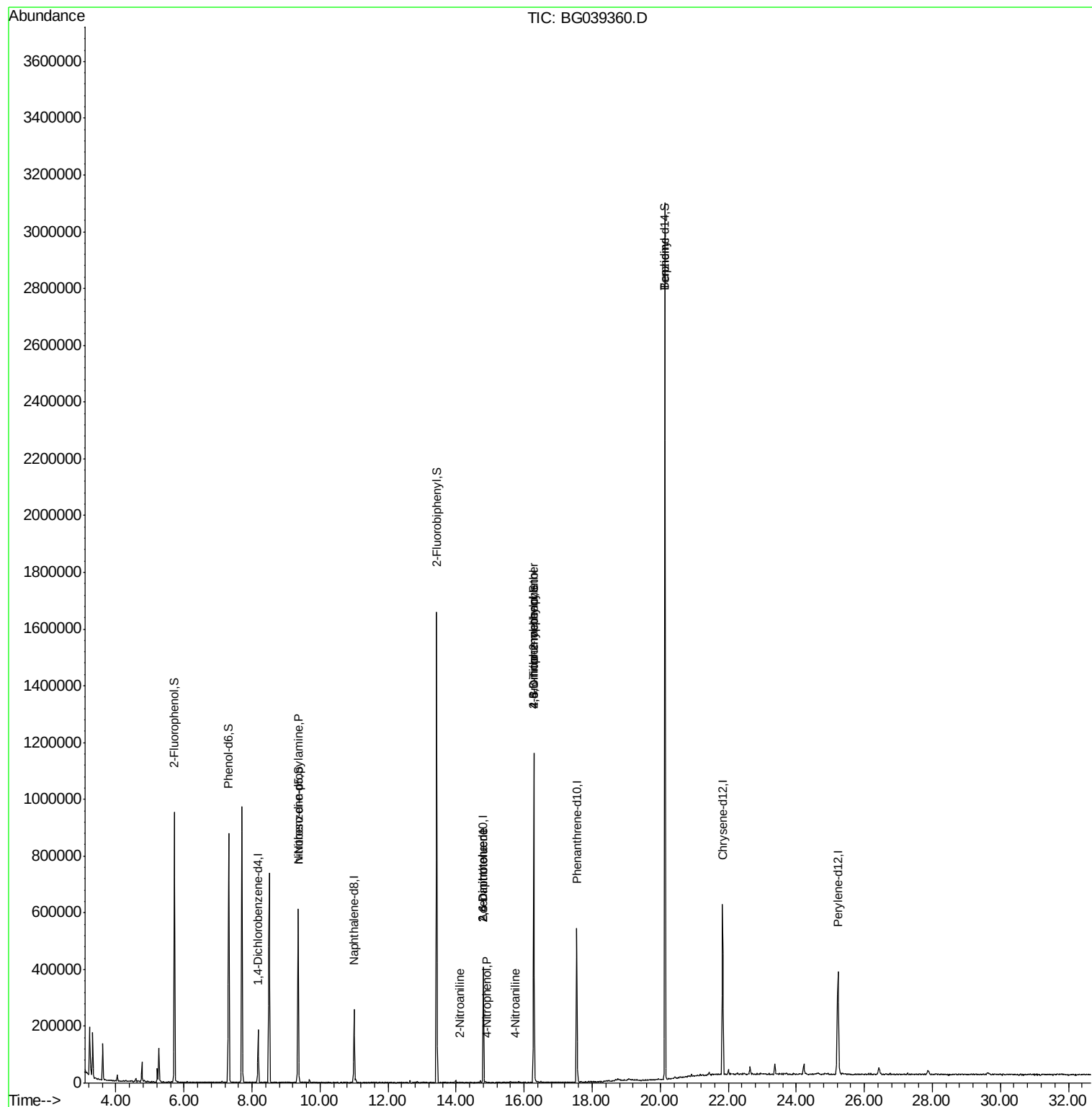
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	1021	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.36	70	45261	14.618	ng	# 69
48) 2-Nitroaniline	14.11	65	68	8.319	ng	# 10
51) 2,6-Dinitrotoluene	14.80	165	18345	14.240	ng	# 24
56) 4-Nitrophenol	14.91	139	63	5.823	ng	# 1
57) 2,4-Dinitrotoluene	14.80	165	18345	13.638	ng	# 19
62) 4-Nitroaniline	15.75	138	56	4.225	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.29	198	709	4.858	ng	# 1
67) 4-Bromophenyl-phenylether	16.29	248	15449	4.185	ng	# 1
77) Benzidine	20.14	184	26485	2.197	ng	# 93

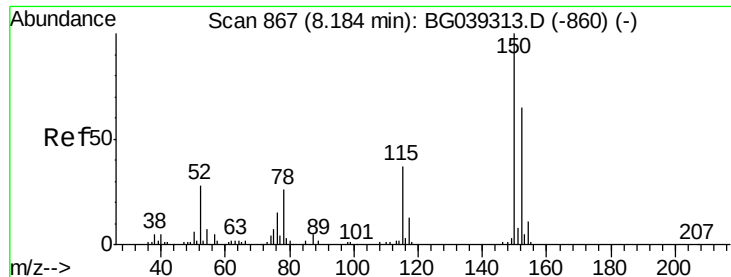
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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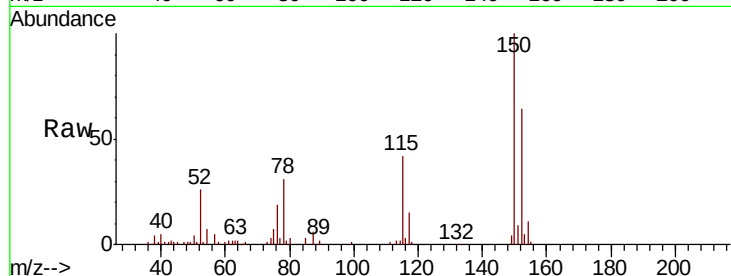


#1

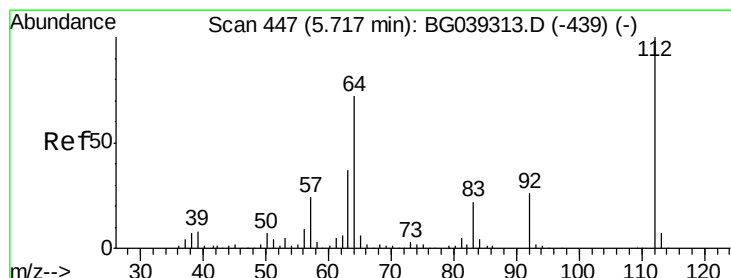
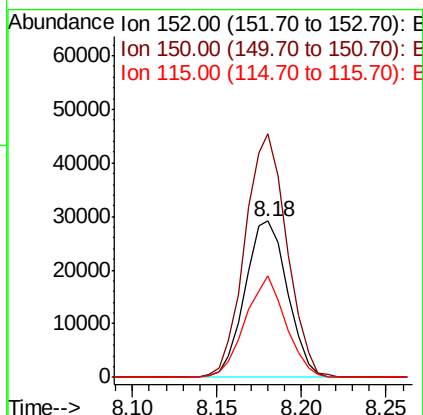
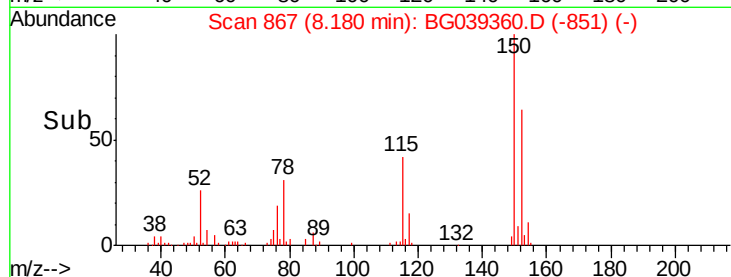
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.18 min Scan# 867
Delta R.T. -0.00 min
Lab File: BG039360.D
Acq: 5 Feb 2019 18:47

Instrument :
BNA_G
ClientSampleId :
EO-03-020419-A

Tgt Ion:152 Resp: 50722
Ion Ratio Lower Upper
152 100
150 155.9 123.7 185.5
115 65.3 45.9 68.9



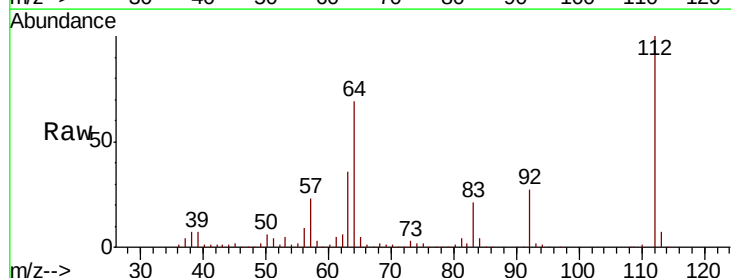
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



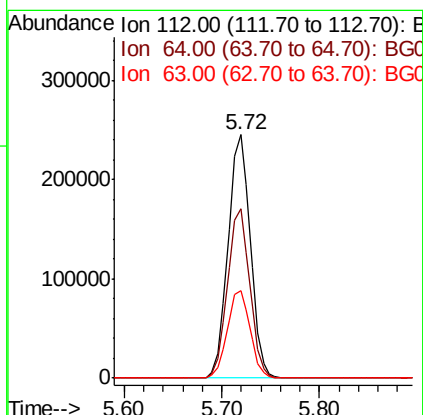
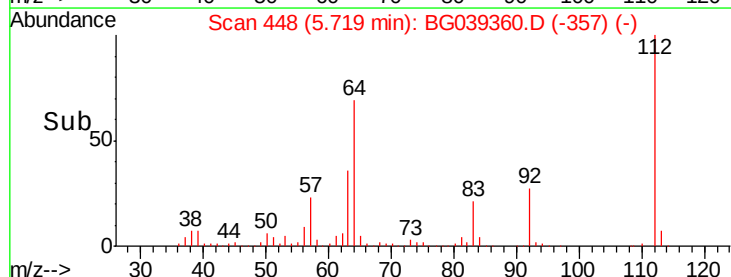
#5

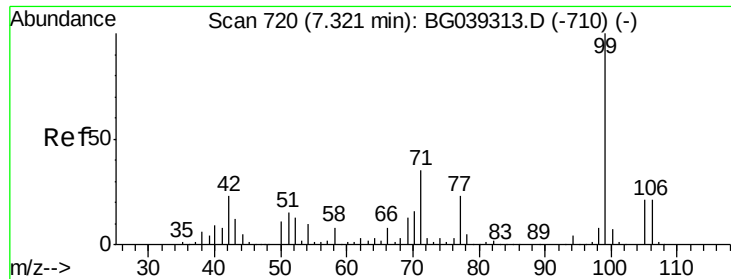
2-Fluorophenol
Concen: 131.216 ng
RT: 5.72 min Scan# 448
Delta R.T. 0.00 min
Lab File: BG039360.D
Acq: 5 Feb 2019 18:47

Tgt Ion:112 Resp: 388870
Ion Ratio Lower Upper
112 100
64 69.4 57.8 86.8
63 35.8 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: 113.471 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039360.D

Acq: 5 Feb 2019 18:47

Instrument :

BNA_G

ClientSampleId :

EO-03-020419-A

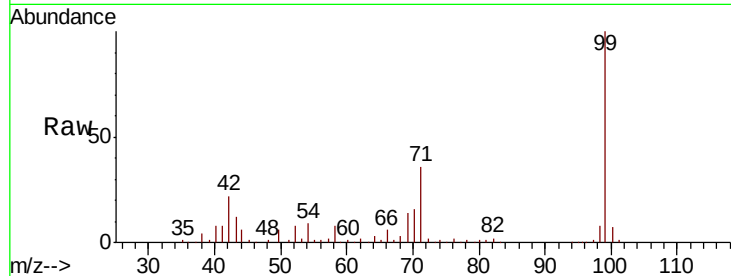
Tgt Ion: 99 Resp: 494996

Ion Ratio Lower Upper

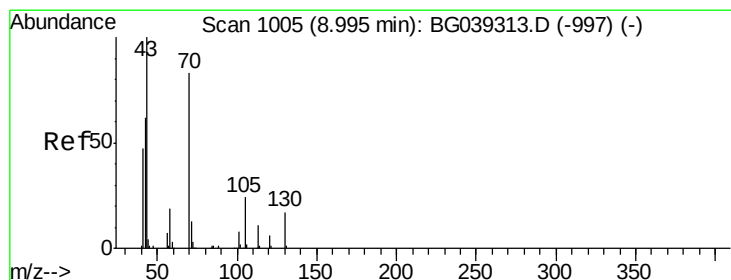
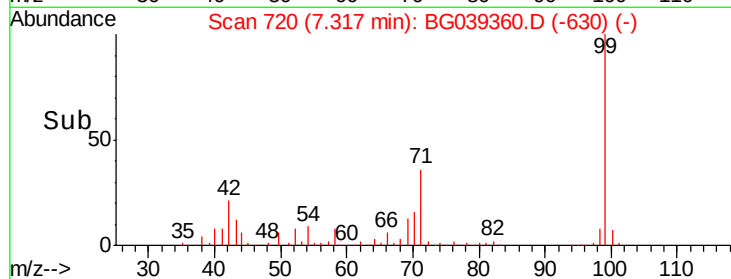
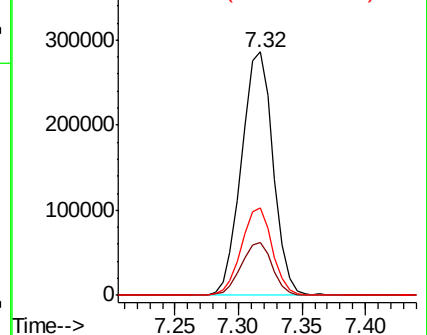
99 100

42 21.6 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: 14.618 ng

RT: 9.36 min Scan# 1067

Delta R.T. 0.36 min

Lab File: BG039360.D

Acq: 5 Feb 2019 18:47

Tgt Ion: 70 Resp: 45261

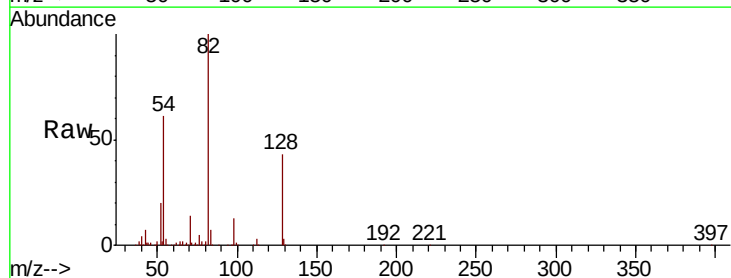
Ion Ratio Lower Upper

70 100

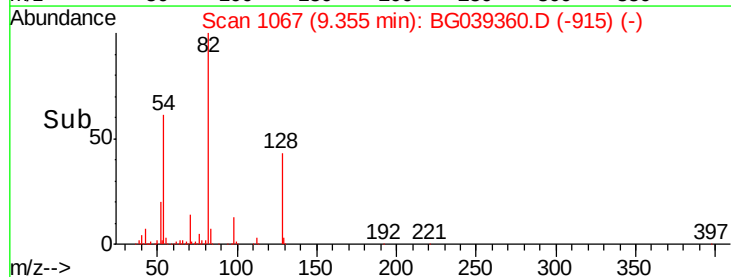
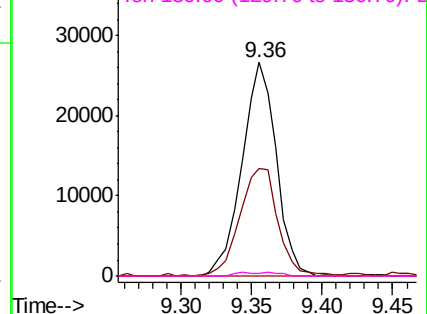
42 50.6 60.4 90.6#

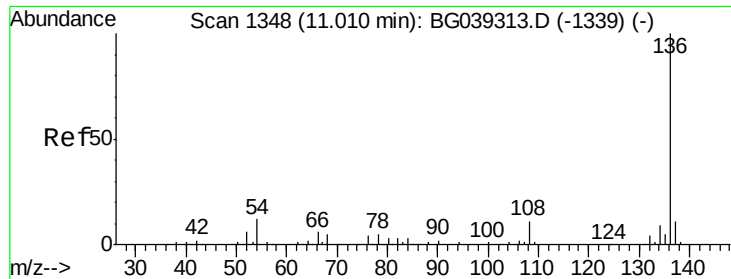
101 0.0 7.5 11.3#

130 1.5 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

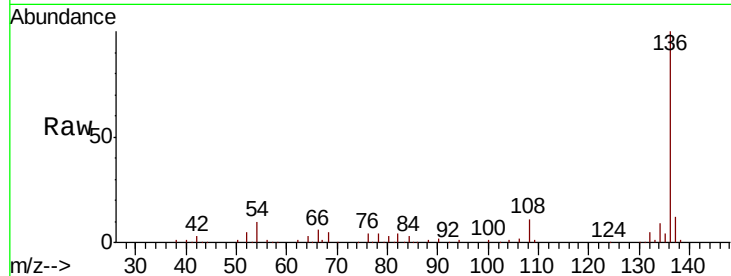




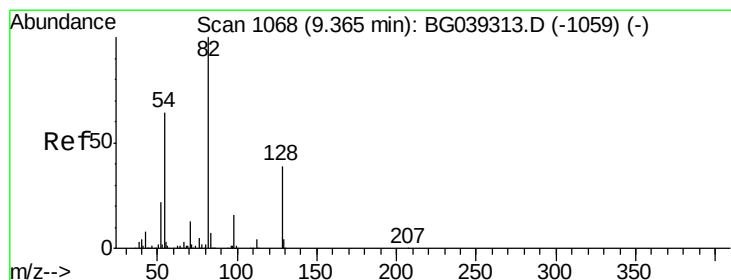
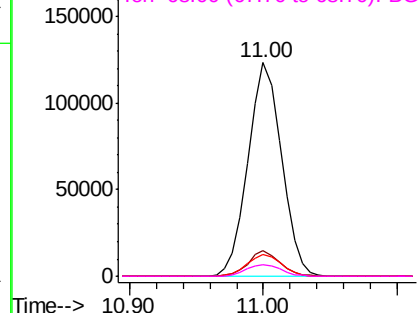
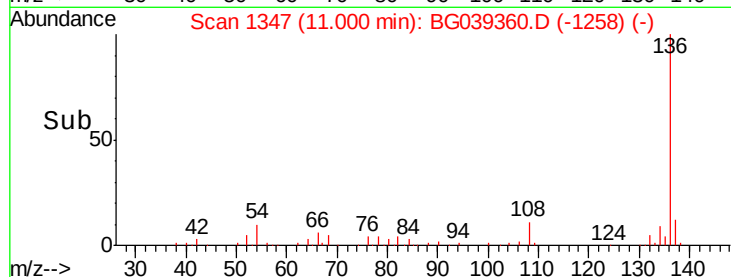
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BG039360.D
Acq: 5 Feb 2019 18:47

Instrument :
BNA_G
ClientSampleId :
EO-03-020419-A

Tgt Ion:	136	Resp:	214021
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.1	13.7
54	10.2	9.4	14.2
68	5.4	4.2	6.4

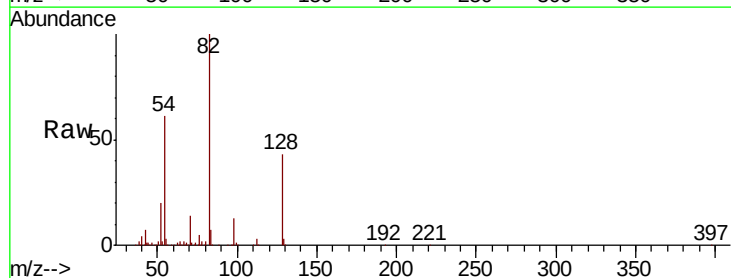


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

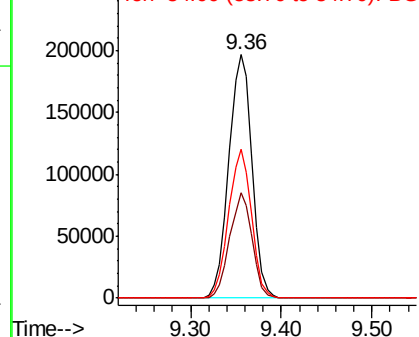
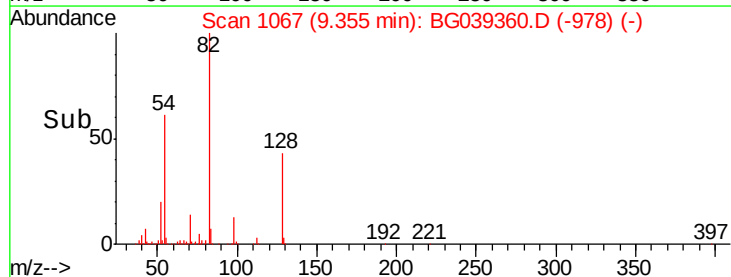


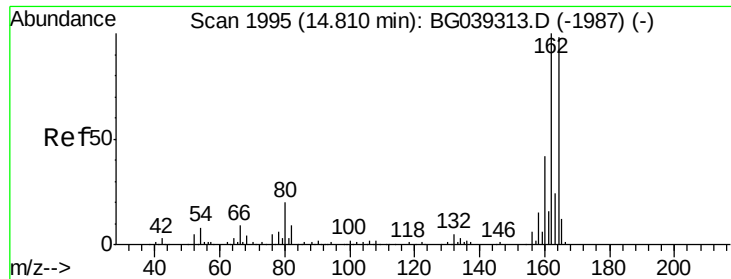
#23
Nitrobenzene-d5
Concen: 101.794 ng
RT: 9.36 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BG039360.D
Acq: 5 Feb 2019 18:47

Tgt Ion:	82	Resp:	348736
Ion	Ratio	Lower	Upper
82	100		
128	43.5	31.3	46.9
54	61.2	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# 1994

Delta R.T. -0.01 min

Lab File: BG039360.D

Acq: 5 Feb 2019 18:47

Instrument :

BNA_G

ClientSampleId :

EO-03-020419-A

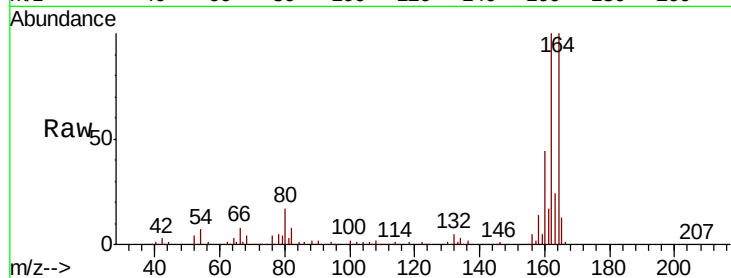
Tgt Ion:164 Resp: 136609

Ion Ratio Lower Upper

164 100

162 100.4 81.6 122.4

160 43.8 34.2 51.2

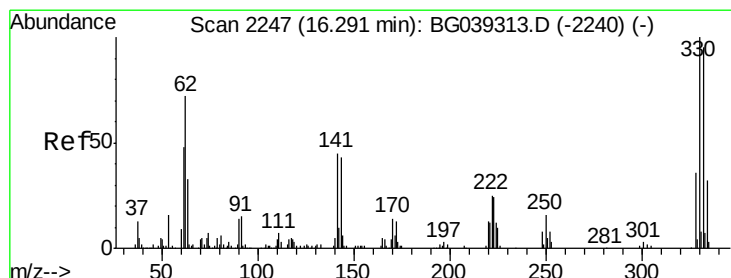
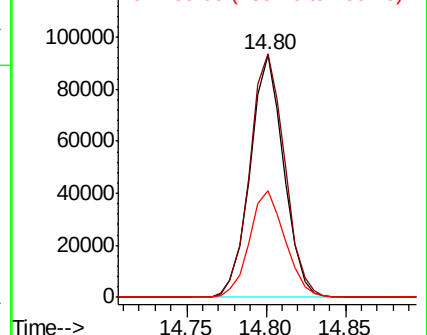
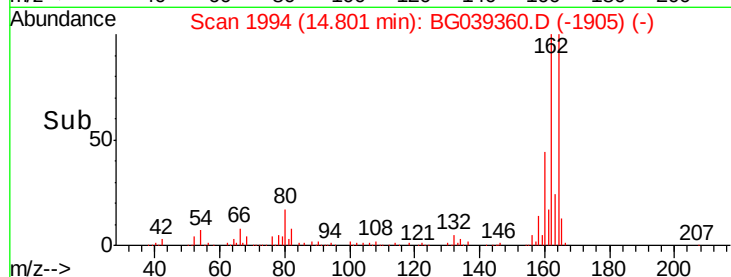


Abundance

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: 130.857 ng

RT: 16.29 min Scan# 2247

Delta R.T. -0.00 min

Lab File: BG039360.D

Acq: 5 Feb 2019 18:47

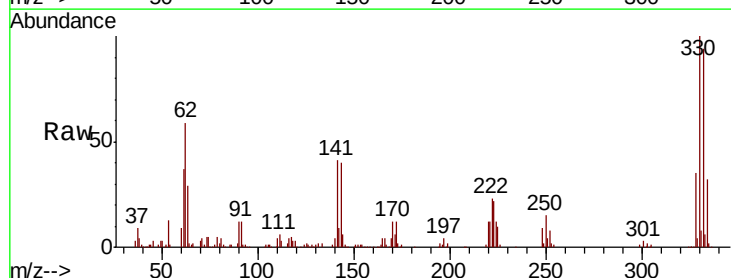
Tgt Ion:330 Resp: 192496

Ion Ratio Lower Upper

330 100

332 95.5 75.7 113.5

141 43.2 35.6 53.4

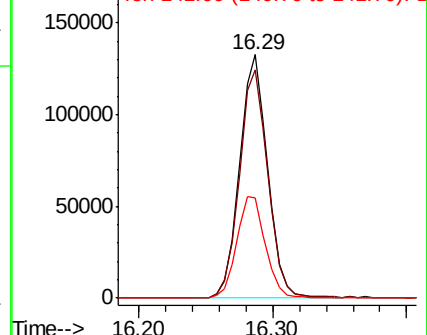
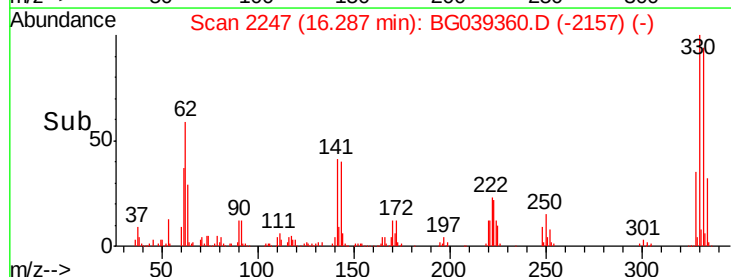


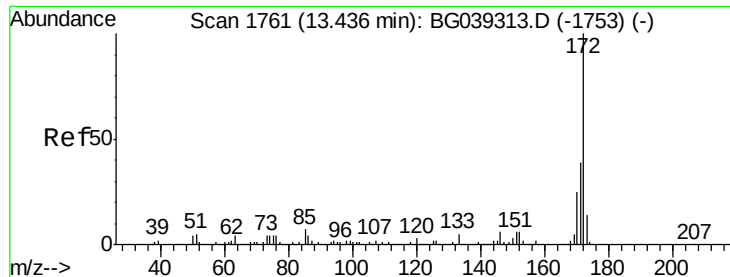
Abundance

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

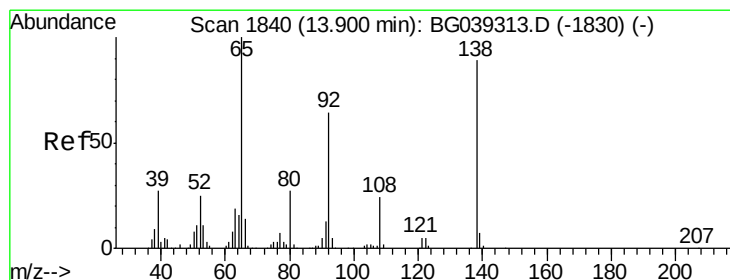
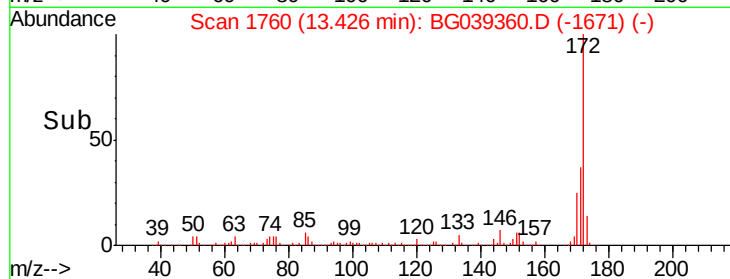
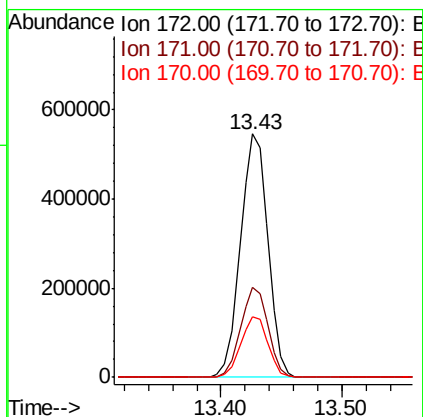
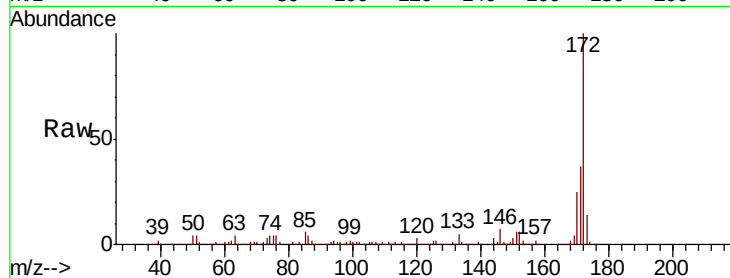




#45
2-Fluorobiphenyl
Concen: 90.819 ng
RT: 13.43 min Scan# 1760
Delta R.T. -0.01 min
Lab File: BG039360.D
Acq: 5 Feb 2019 18:47

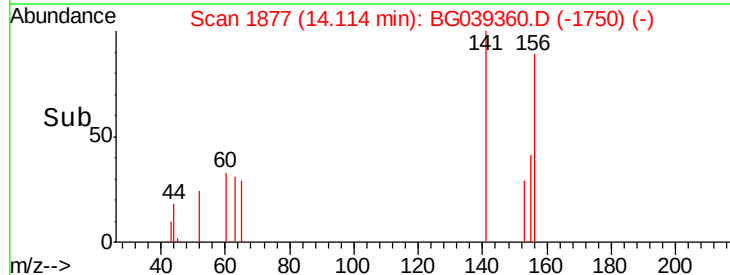
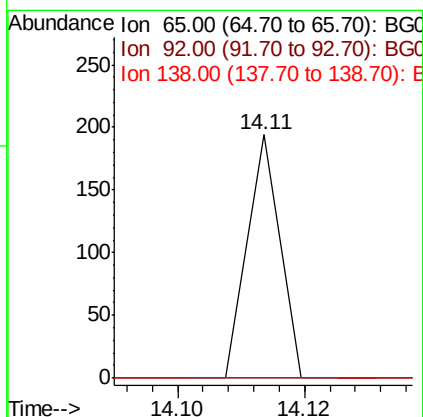
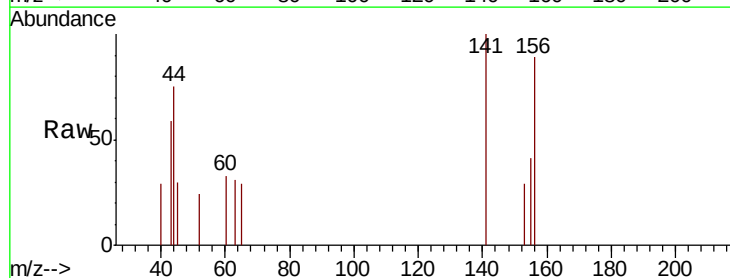
Instrument :
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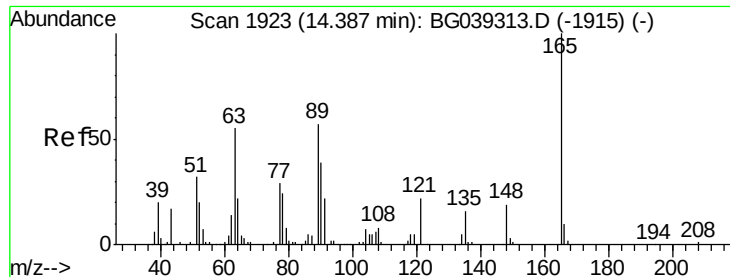
Tgt Ion: 172 Resp: 864851
Ion Ratio Lower Upper
172 100
171 36.9 30.8 46.2
170 25.0 20.2 30.4



#48
2-Nitroaniline
Concen: 8.319 ng
RT: 14.11 min Scan# 1877
Delta R.T. 0.21 min
Lab File: BG039360.D
Acq: 5 Feb 2019 18:47

Tgt Ion: 65 Resp: 68
Ion Ratio Lower Upper
65 100
92 0.0 51.4 77.2#
138 0.0 71.4 107.2#

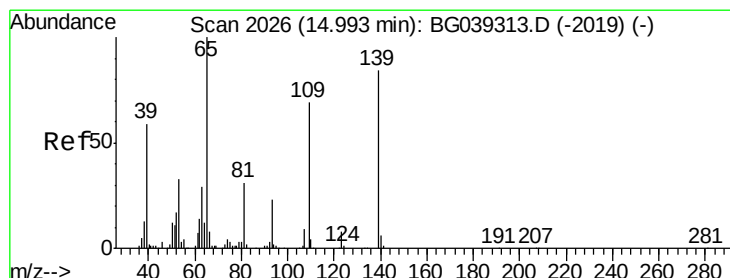
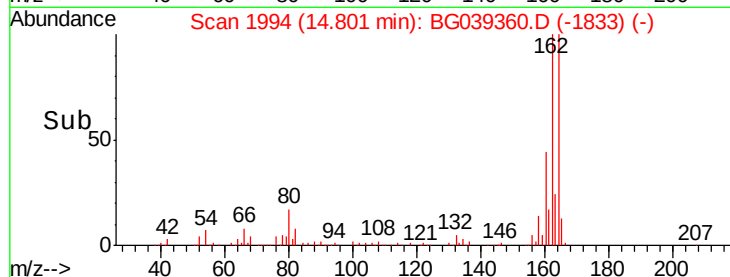
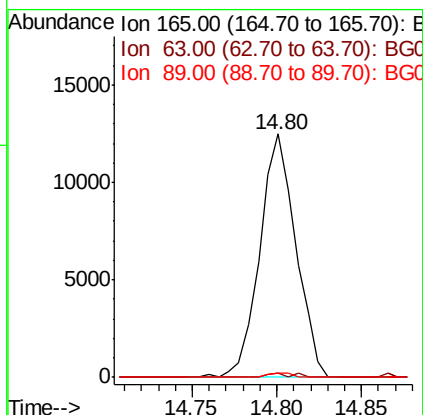
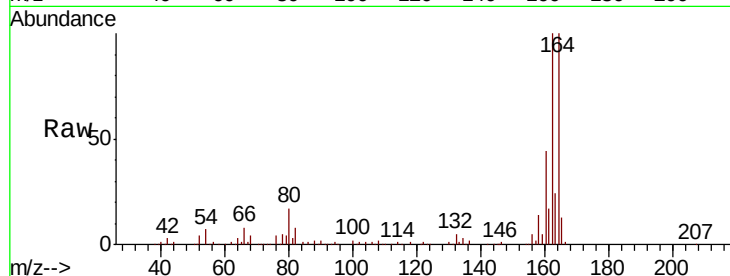




#51
 2,6-Dinitrotoluene
 Concen: 14.240 ng
 RT: 14.80 min Scan# 1994
 Delta R.T. 0.41 min
 Lab File: BG039360.D
 Acq: 5 Feb 2019 18:47

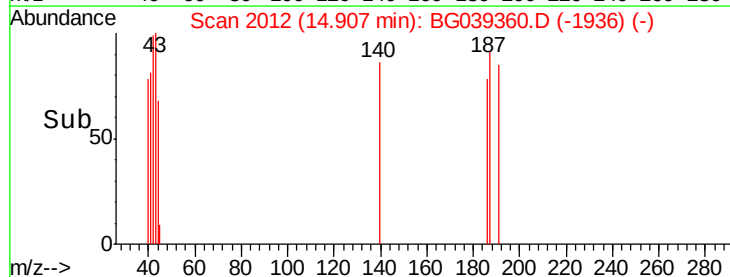
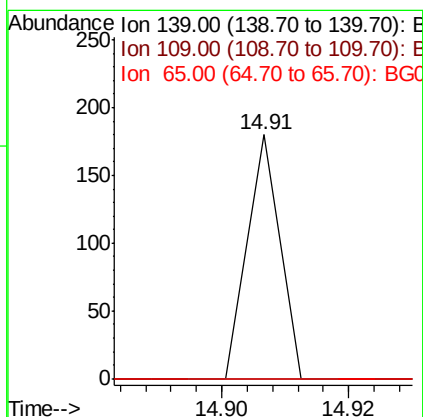
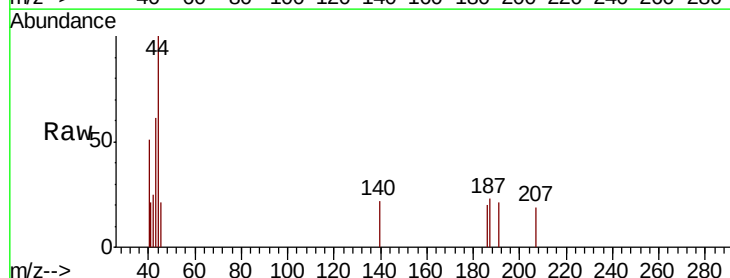
Instrument :
 BNA_G
 ClientSampleId :
 EO-03-020419-A

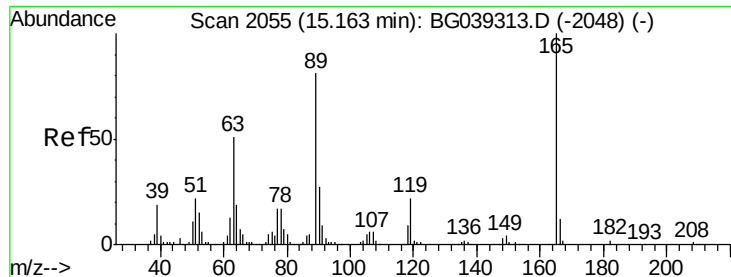
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	47.0	70.6#
89	1.6	45.8	68.8#



#56
 4-Nitrophenol
 Concen: 5.823 ng
 RT: 14.91 min Scan# 2012
 Delta R.T. -0.09 min
 Lab File: BG039360.D
 Acq: 5 Feb 2019 18:47

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: 13.638 ng

RT: 14.80 min Scan# 1994

Delta R.T. -0.36 min

Lab File: BG039360.D

Acq: 5 Feb 2019 18:47

Instrument :

BNA_G

ClientSampleId :

EO-03-020419-A

Tgt Ion:165 Resp: 18345

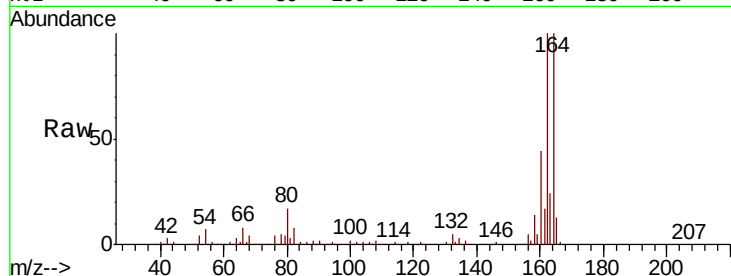
Ion Ratio Lower Upper

165 100

63 1.5 41.0 61.6#

89 1.6 64.6 96.8#

182 0.0 2.0 3.0#

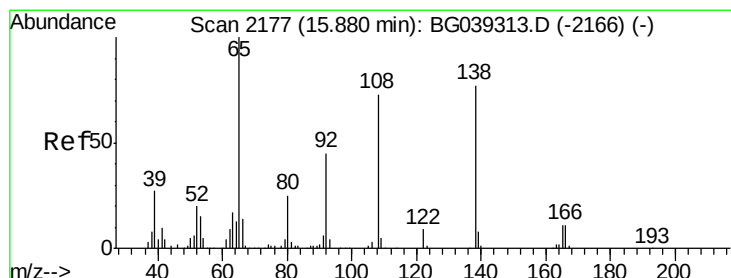
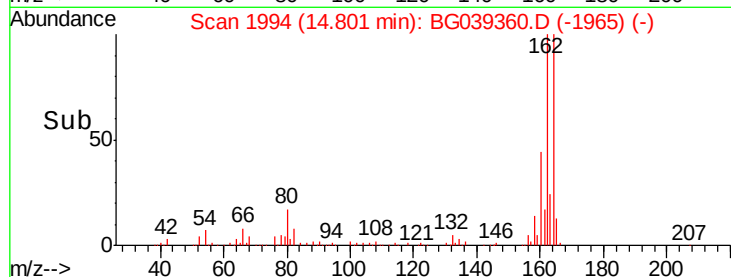
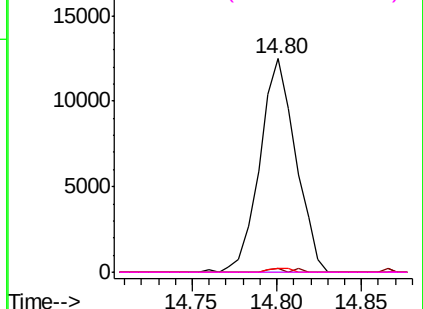


Abundance Ion 165.00 (164.70 to 165.70): E

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: 4.225 ng

RT: 15.75 min Scan# 2155

Delta R.T. -0.13 min

Lab File: BG039360.D

Acq: 5 Feb 2019 18:47

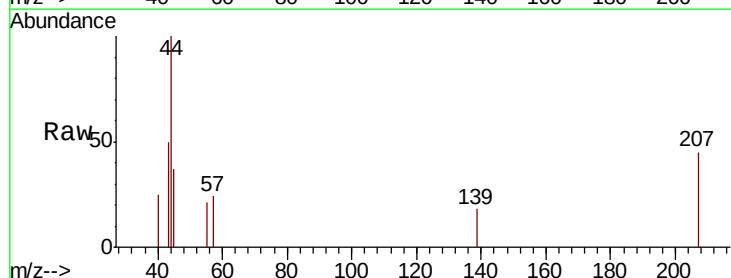
Tgt Ion:138 Resp: 56

Ion Ratio Lower Upper

138 100

92 0.0 38.7 78.7#

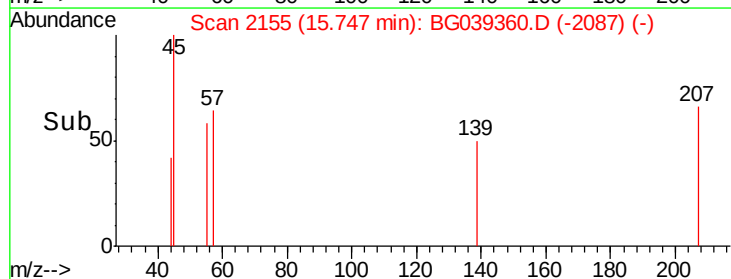
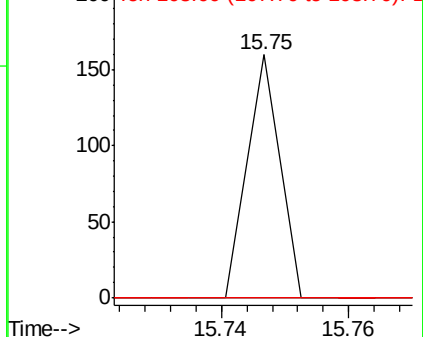
108 0.0 74.6 114.6#

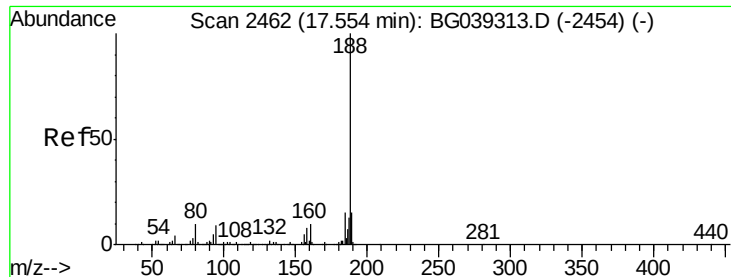


Abundance Ion 138.00 (137.70 to 138.70): E

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# 2461

Delta R.T. -0.01 min

Lab File: BG039360.D

Acq: 5 Feb 2019 18:47

Instrument :

BNA_G

ClientSampleId :

EO-03-020419-A

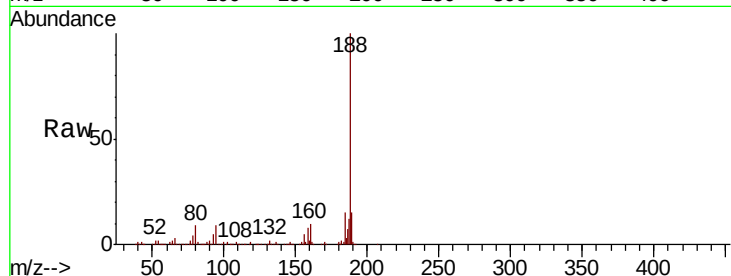
Tgt Ion:188 Resp: 332743

Ion Ratio Lower Upper

188 100

94 8.6 6.9 10.3

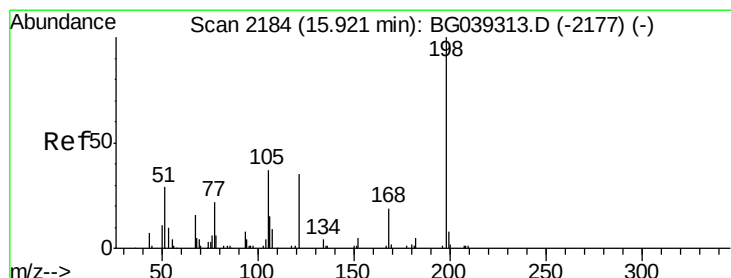
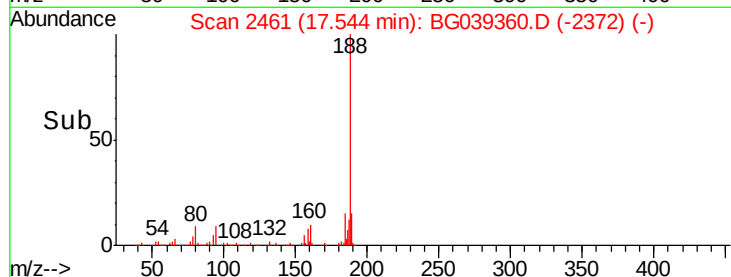
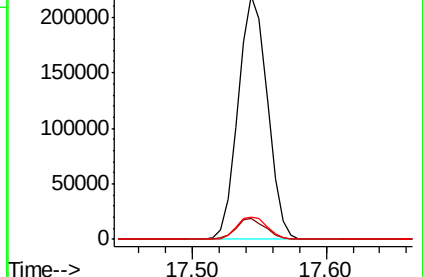
80 9.2 8.1 12.1



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: 4.858 ng

RT: 16.29 min Scan# 2247

Delta R.T. 0.37 min

Lab File: BG039360.D

Acq: 5 Feb 2019 18:47

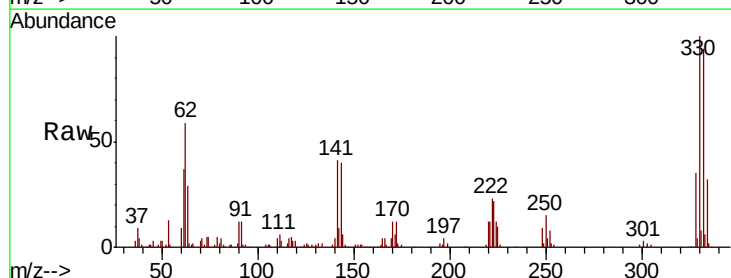
Tgt Ion:198 Resp: 709

Ion Ratio Lower Upper

198 100

51 101.0 27.4 67.4#

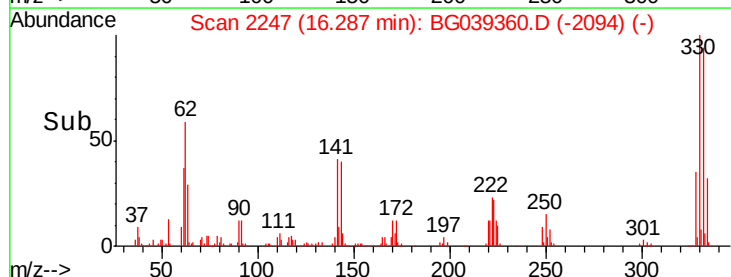
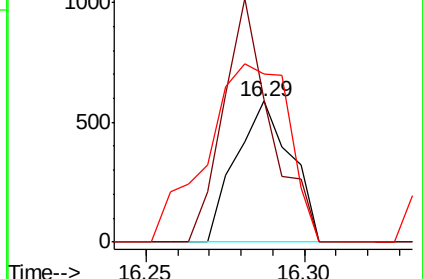
105 119.9 19.7 59.7#

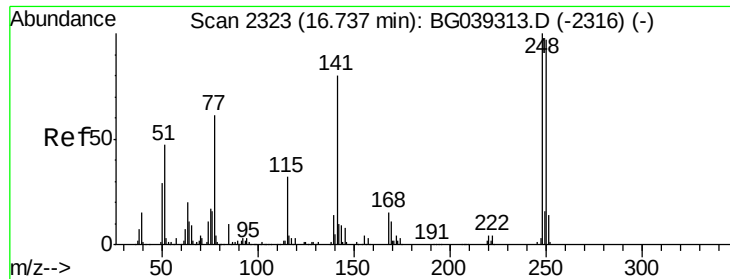


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

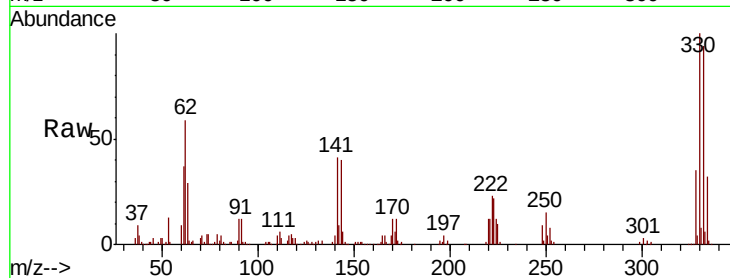




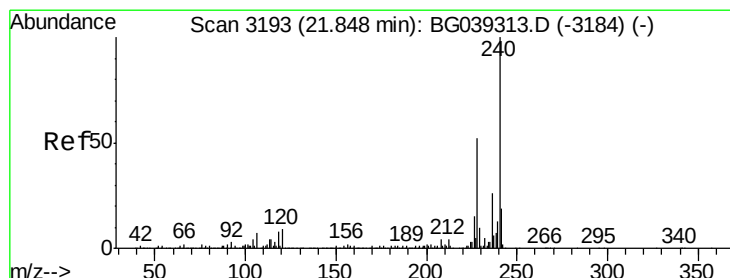
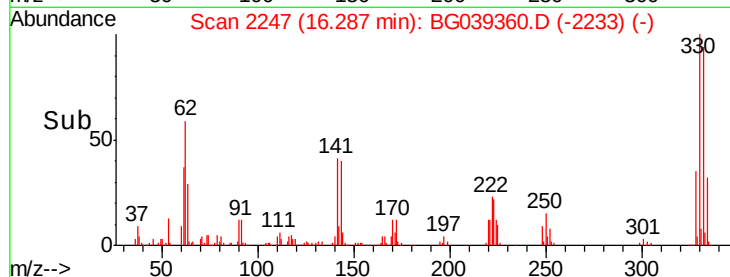
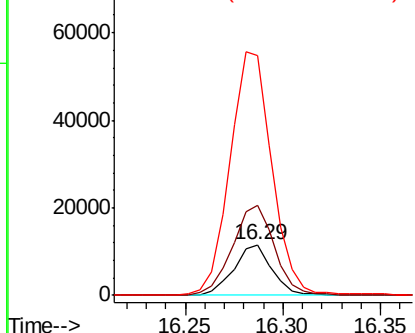
#67
 4-Bromophenyl-phenylether
 Concen: 4.185 ng
 RT: 16.29 min Scan# 2247
 Delta R.T. -0.45 min
 Lab File: BG039360.D
 Acq: 5 Feb 2019 18:47

Instrument :
 BNA_G
 ClientSampleId :
 EO-03-020419-A

Tgt Ion:248 Resp: 15449
 Ion Ratio Lower Upper
 248 100
 250 176.9 77.6 116.4#
 141 472.0 63.9 95.9#

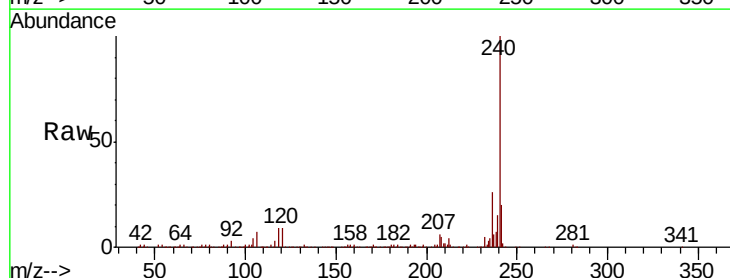


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

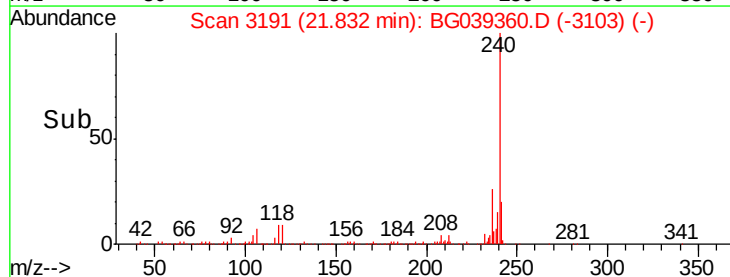
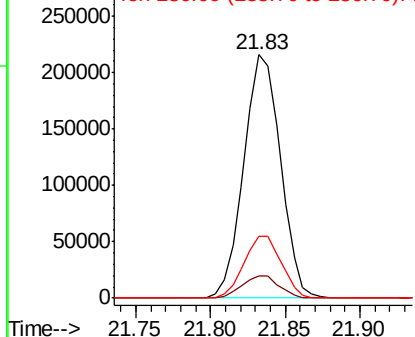


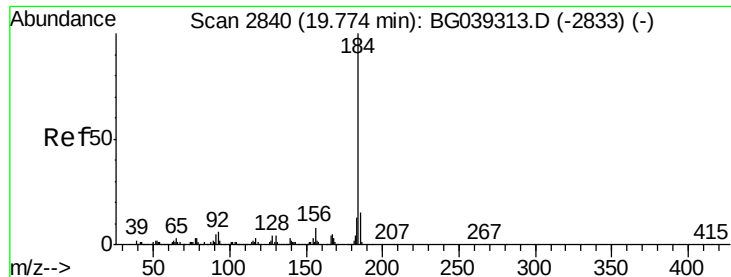
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3191
 Delta R.T. -0.02 min
 Lab File: BG039360.D
 Acq: 5 Feb 2019 18:47

Tgt Ion:240 Resp: 367778
 Ion Ratio Lower Upper
 240 100
 120 9.0 7.0 10.6
 236 25.6 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: 2.197 ng

RT: 20.14 min Scan# 2903

Delta R.T. 0.37 min

Lab File: BG039360.D

Acq: 5 Feb 2019 18:47

Instrument :

BNA_G

ClientSampleId :

EO-03-020419-A

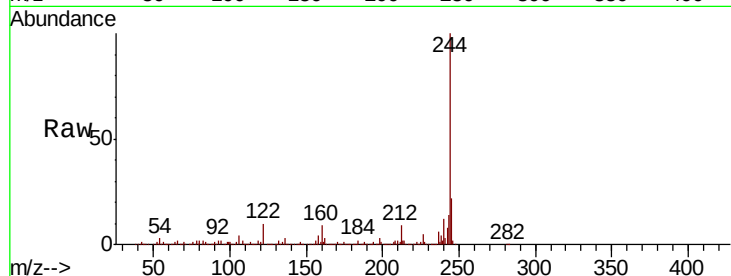
Tgt Ion:184 Resp: 26485

Ion Ratio Lower Upper

184 100

185 15.9 12.2 18.2

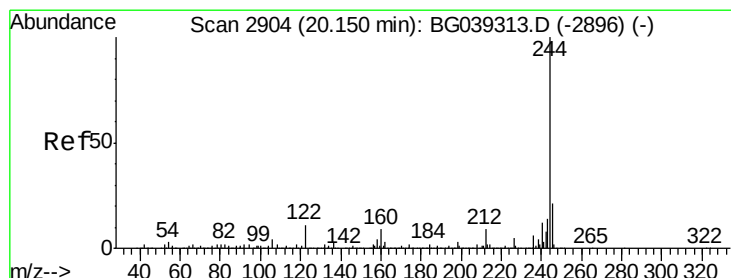
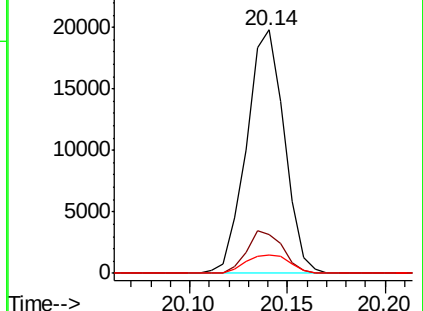
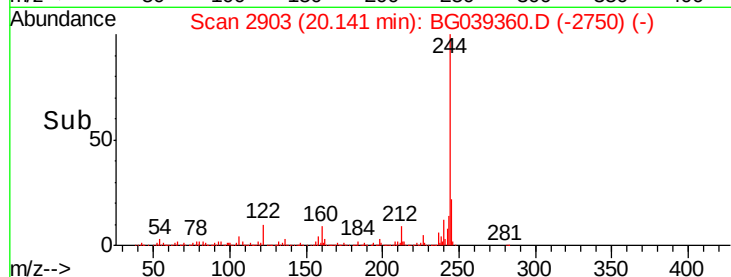
183 7.7 10.6 15.8#



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: 80.664 ng

RT: 20.14 min Scan# 2903

Delta R.T. -0.01 min

Lab File: BG039360.D

Acq: 5 Feb 2019 18:47

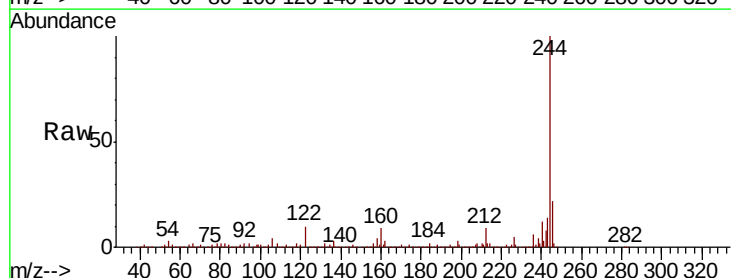
Tgt Ion:244 Resp: 1401554

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

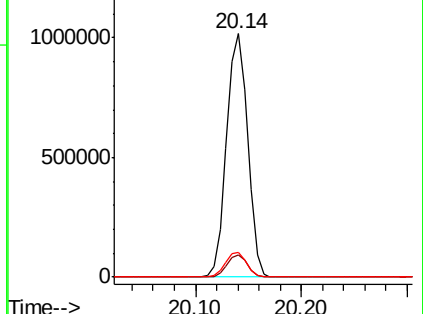
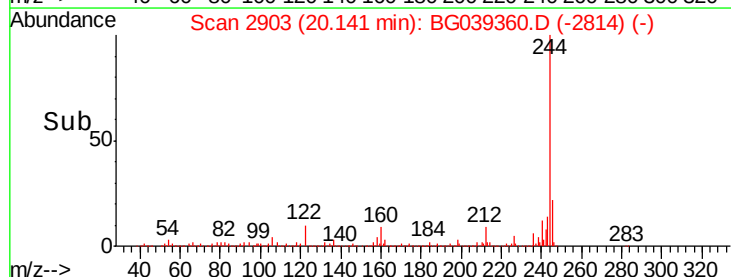
122 10.2 8.4 12.6

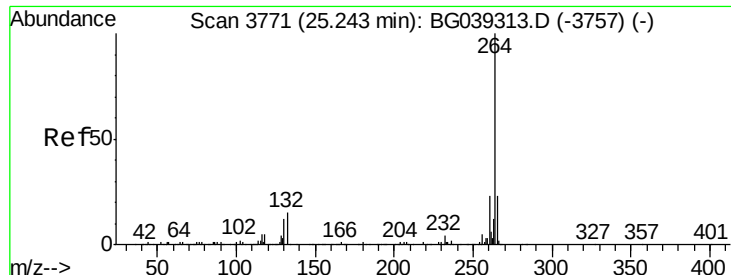


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.22 min Scan# 3768
Delta R.T. -0.02 min
Lab File: BG039360.D
Acq: 5 Feb 2019 18:47

Instrument :
BNA_G
ClientSampleId :
EO-03-020419-A

Tgt Ion:	264	Resp:	367024
Ion	Ratio	Lower	Upper
264	100		
260	25.3	18.2	27.4
265	19.3	18.5	27.7

