

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG020519\
 Data File : BG039359.D
 Acq On : 5 Feb 2019 18:08
 Operator : JU/SJ
 Sample : K1350-04
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Feb 05 21:32:21 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	51920	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	223400	20.00	ng	0.00
39) Acenaphthene-d10	14.80	164	142817	20.00	ng	0.00
64) Phenanthrene-d10	17.55	188	344704	20.00	ng	0.00
76) Chrysene-d12	21.83	240	388341	20.00	ng	-0.01
87) Perylene-d12	25.22	264	380088	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	400781	132.11	ng	0.00
7) Phenol-d6	7.32	99	512199	114.71	ng	0.00
23) Nitrobenzene-d5	9.36	82	355622	99.45	ng	0.00
42) 2,4,6-Tribromophenol	16.29	330	192521	125.18	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	898214	90.22	ng	0.00
79) Terphenyl-d14	20.14	244	1457529	79.44	ng	0.00

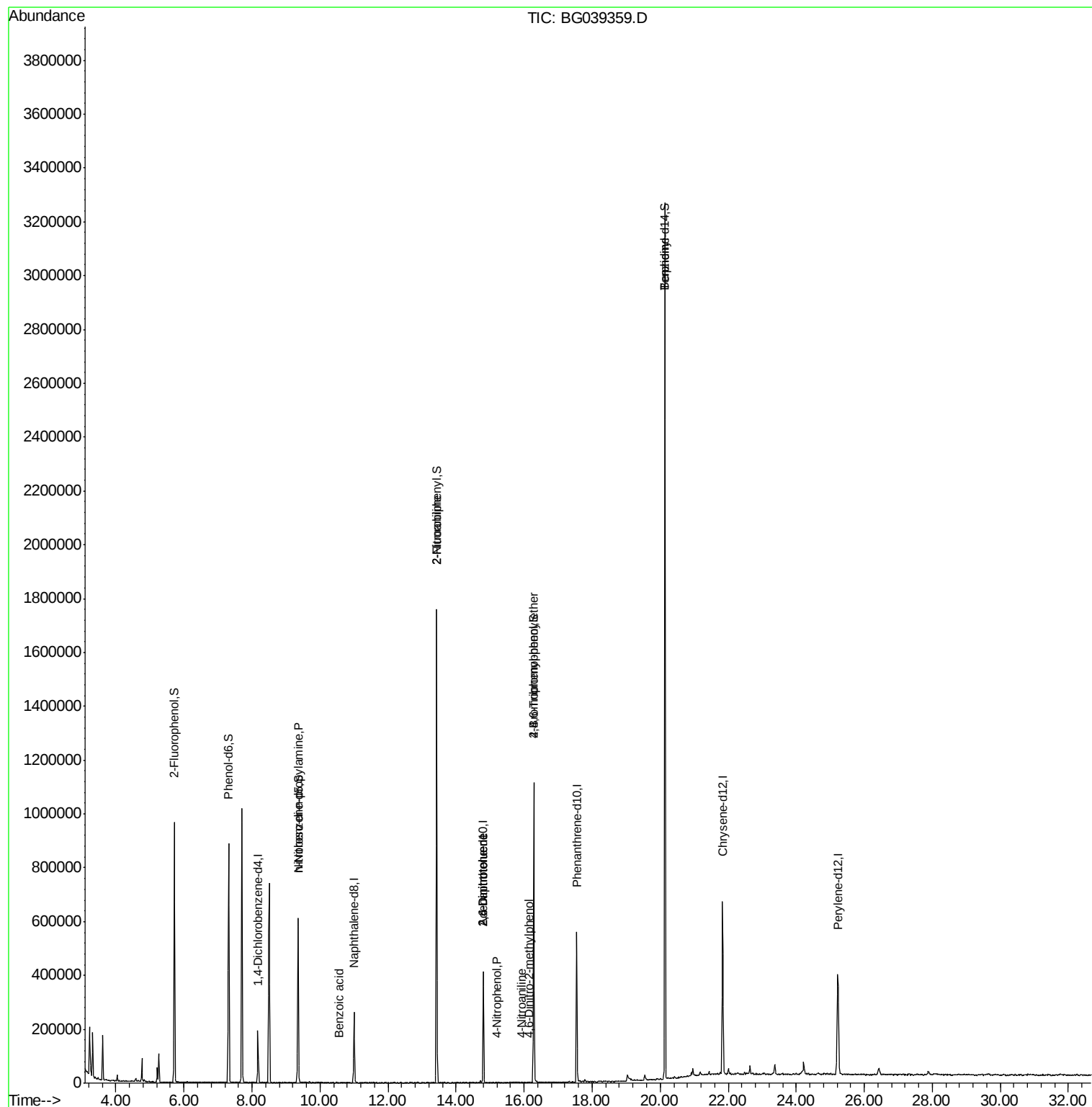
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	928	Below Cal		# 22
19) n-Nitroso-di-n-propylamine	9.36	70	46183	14.572	ng	# 72
32) Benzoic acid	10.55	122	55	9.042	ng	# 1
48) 2-Nitroaniline	13.43	65	1723	8.851	ng	# 1
51) 2,6-Dinitrotoluene	14.80	165	18412	13.933	ng	# 24
56) 4-Nitrophenol	15.20	139	55	5.818	ng	# 1
57) 2,4-Dinitrotoluene	14.80	165	18412	13.406	ng	# 19
62) 4-Nitroaniline	15.94	138	82	4.233	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.15	198	78	4.243	ng	# 32
67) 4-Bromophenyl-phenylether	16.28	248	14420	3.771	ng	# 1
77) Benzidine	20.14	184	26567	2.087	ng	# 91

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

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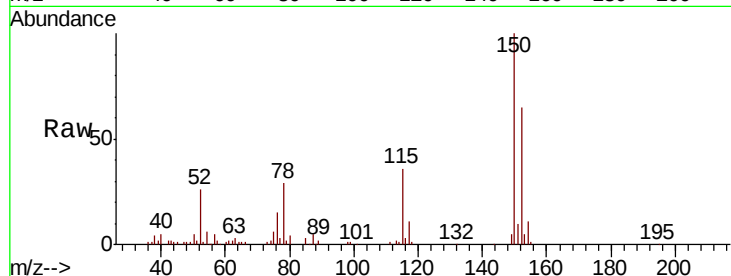


#1

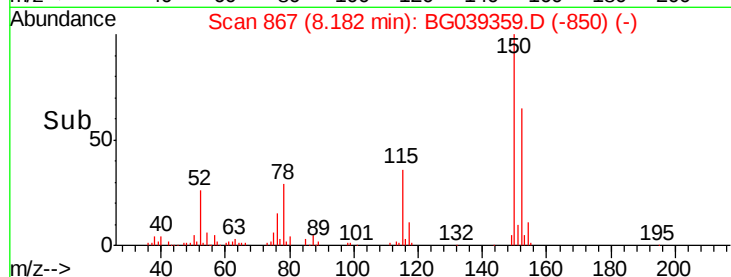
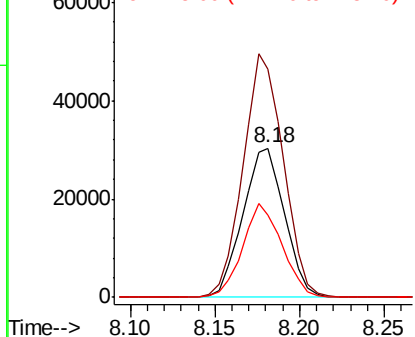
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.18 min Scan# 867
Delta R.T. -0.00 min
Lab File: BG039359.D
Acq: 5 Feb 2019 18:08

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

Tgt Ion:152 Resp: 51920
Ion Ratio Lower Upper
152 100
150 152.9 123.7 185.5
115 55.6 45.9 68.9



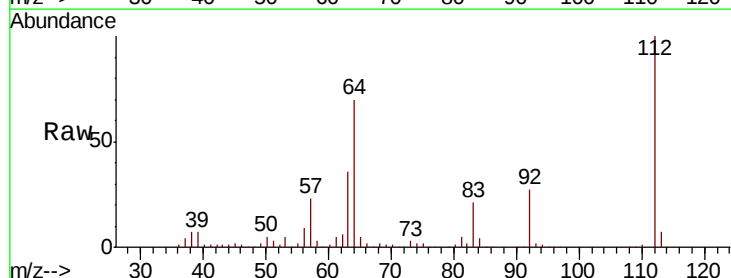
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



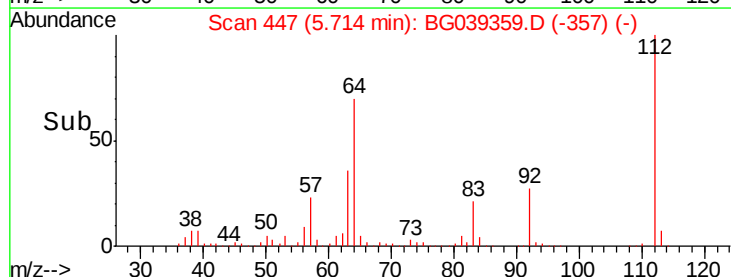
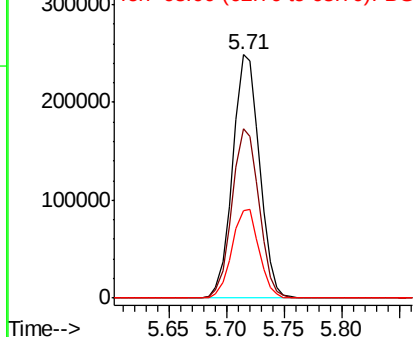
#5

2-Fluorophenol
Concen: 132.115 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039359.D
Acq: 5 Feb 2019 18:08

Tgt Ion:112 Resp: 400781
Ion Ratio Lower Upper
112 100
64 69.7 57.8 86.8
63 36.1 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: 114.705 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039359.D

Acq: 5 Feb 2019 18:08

Instrument :

BNA_G

ClientSampleId :

EO-03-020419-B

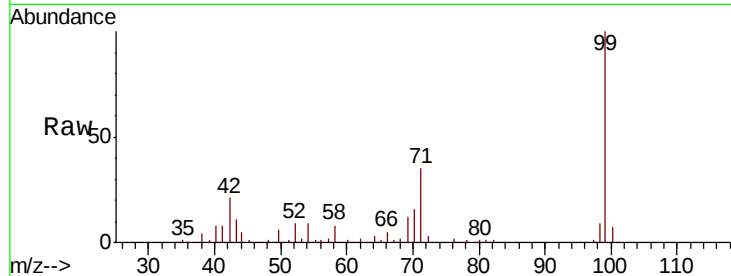
Tgt Ion: 99 Resp: 512199

Ion Ratio Lower Upper

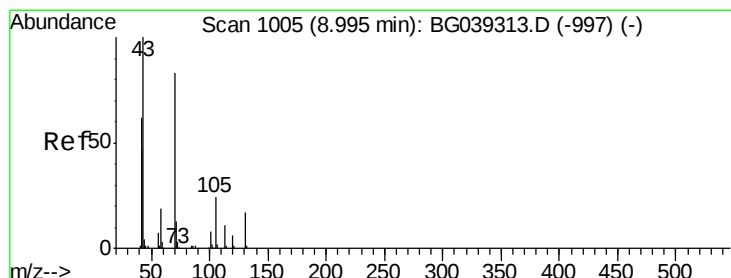
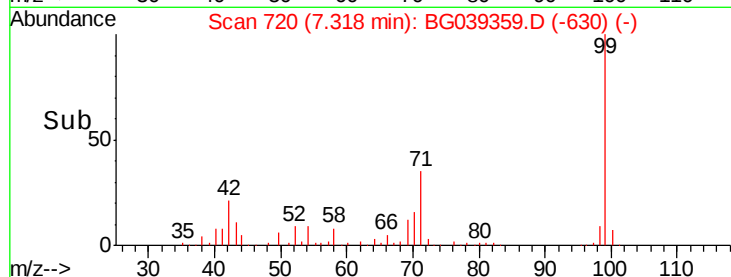
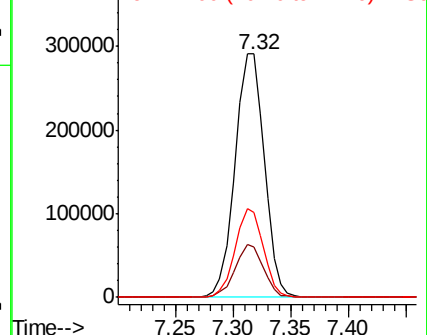
99 100

42 20.6 18.2 27.2

71 35.1 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: 14.572 ng

RT: 9.36 min Scan# 1067

Delta R.T. 0.36 min

Lab File: BG039359.D

Acq: 5 Feb 2019 18:08

Tgt Ion: 70 Resp: 46183

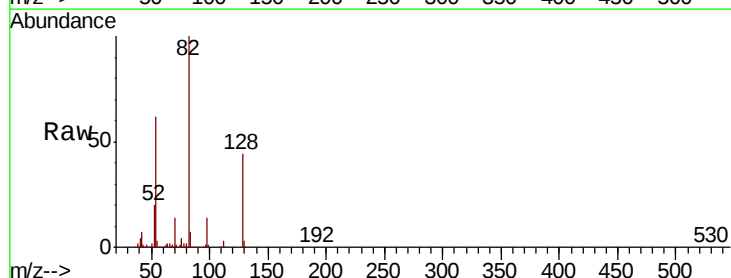
Ion Ratio Lower Upper

70 100

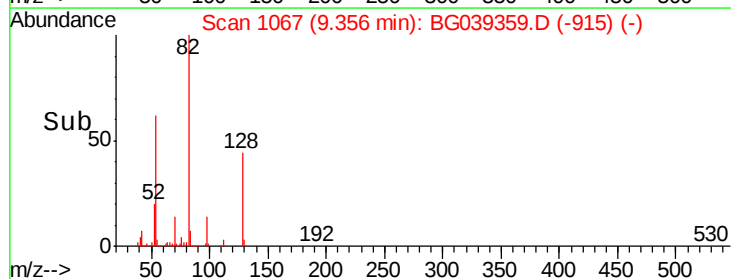
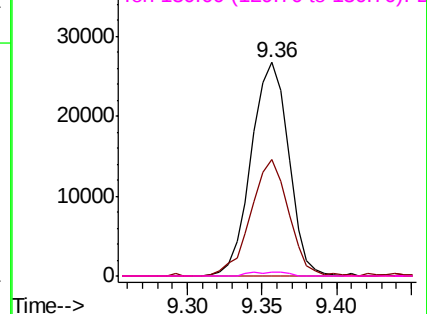
42 54.5 60.4 90.6#

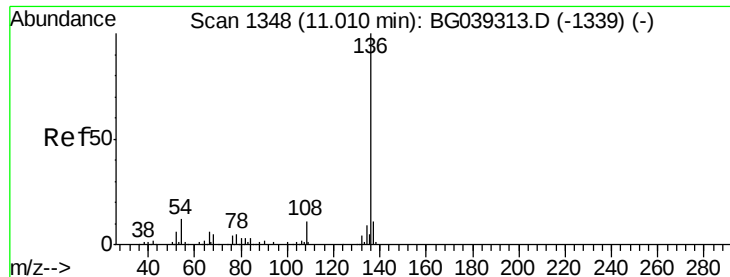
101 0.0 7.5 11.3#

130 1.6 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

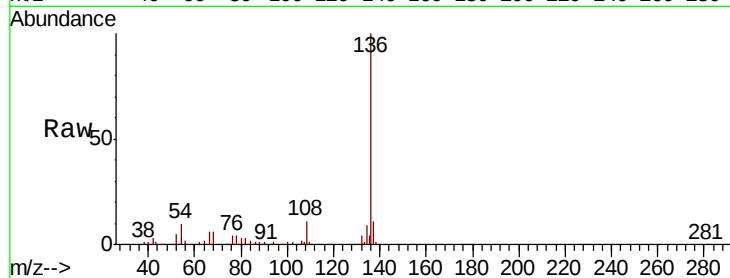




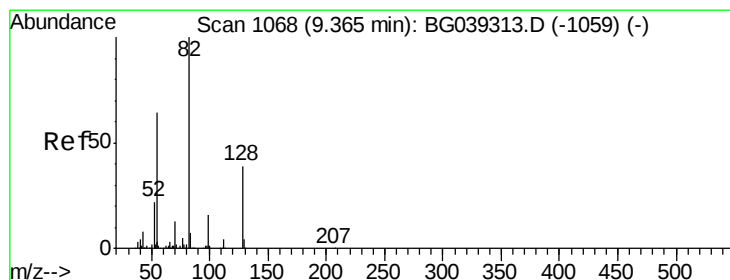
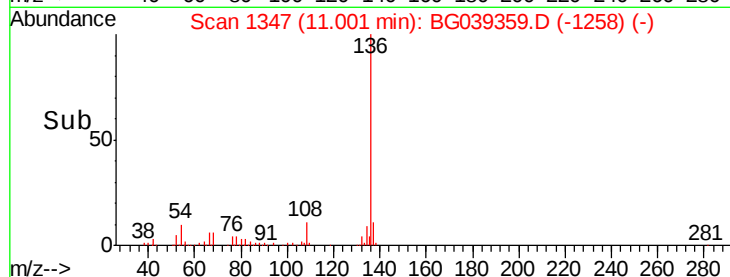
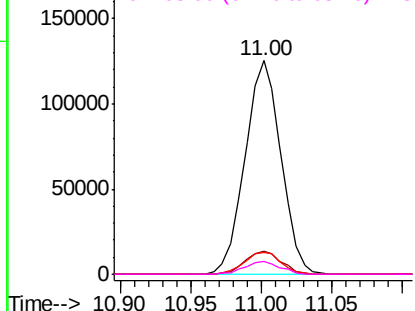
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BG039359.D
Acq: 5 Feb 2019 18:08

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

Tgt Ion:	136	Resp:	223400
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	10.2	9.4	14.2
68	6.2	4.2	6.4

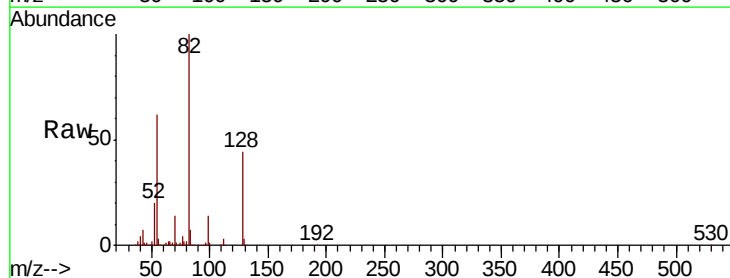


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

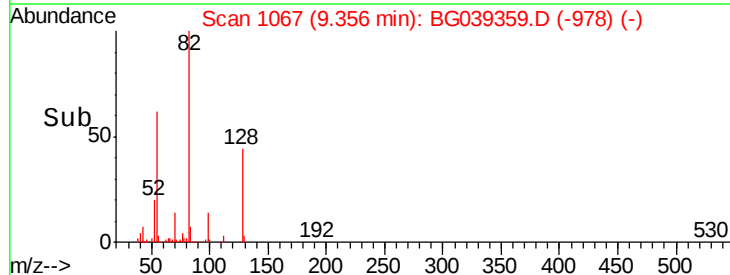
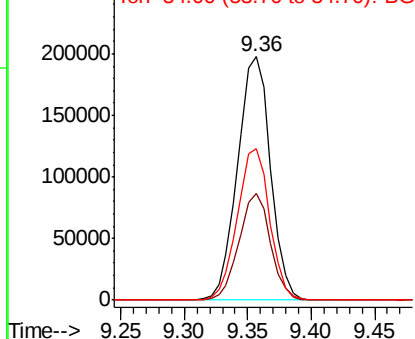


#23
Nitrobenzene-d5
Concen: 99.446 ng
RT: 9.36 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BG039359.D
Acq: 5 Feb 2019 18:08

Tgt Ion:	82	Resp:	355622
Ion	Ratio	Lower	Upper
82	100		
128	44.0	31.3	46.9
54	62.2	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

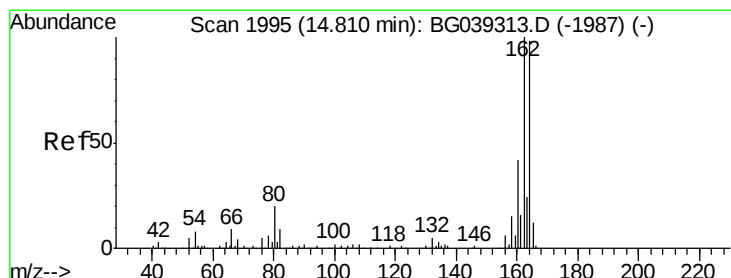
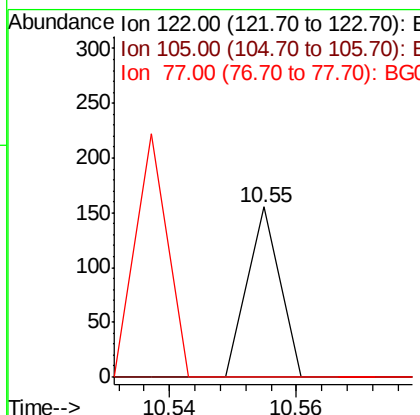
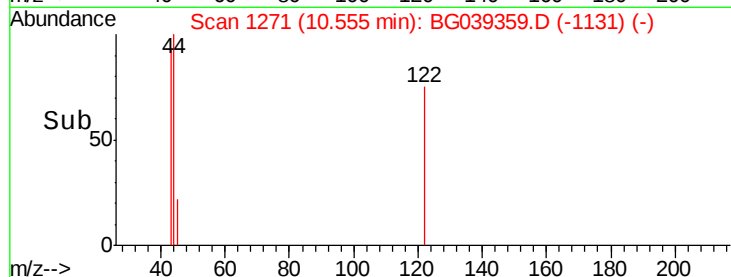
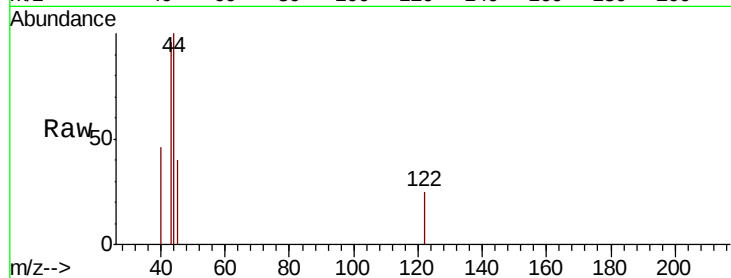




#32
Benzoic acid
Concen: 9.042 ng
RT: 10.55 min Scan# 1271
Delta R.T. 0.29 min
Lab File: BG039359.D
Acq: 5 Feb 2019 18:08

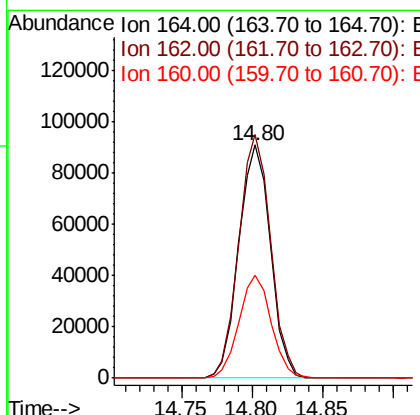
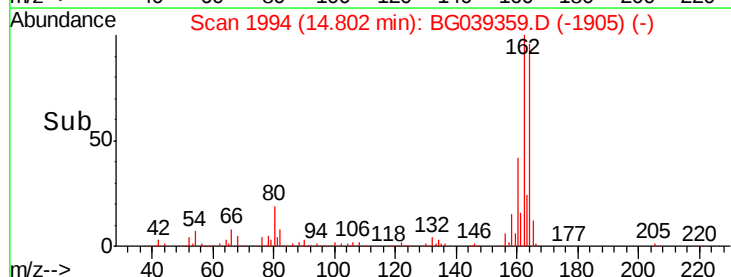
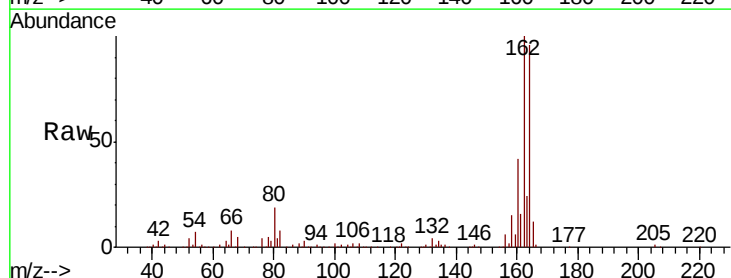
Instrument :
BNA_G
ClientSampleId :
EO-03-020419-B

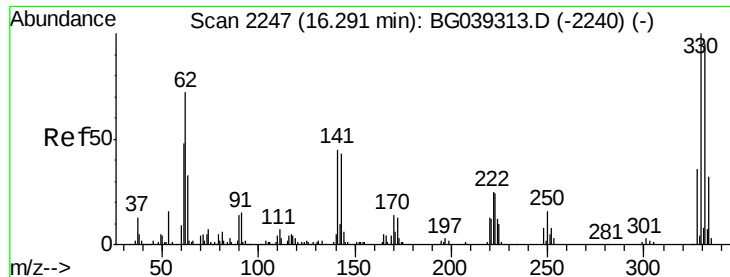
Tgt Ion:122 Resp: 55
Ion Ratio Lower Upper
122 100
105 0.0 101.8 141.8#
77 0.0 76.3 116.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.80 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BG039359.D
Acq: 5 Feb 2019 18:08

Tgt Ion:164 Resp: 142817
Ion Ratio Lower Upper
164 100
162 104.4 81.6 122.4
160 44.0 34.2 51.2

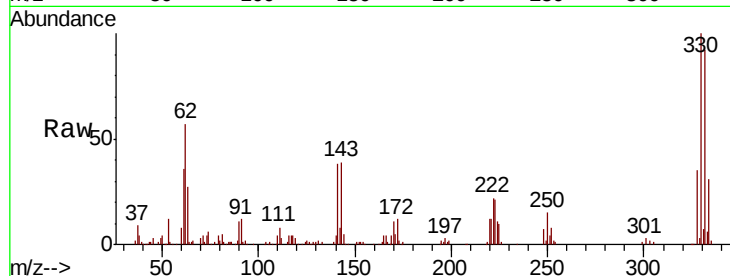




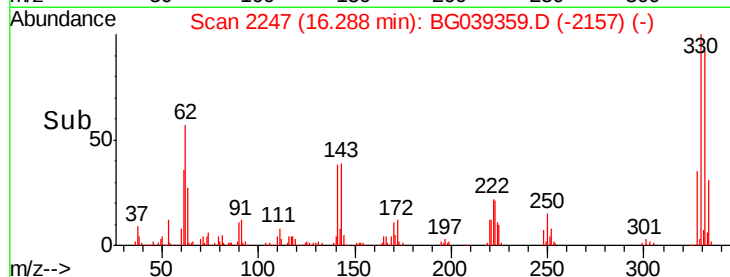
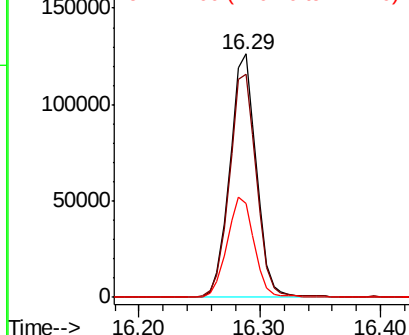
#42
 2,4,6-Tribromophenol
 Concen: 125.185 ng
 RT: 16.29 min Scan# 2247
 Delta R.T. -0.00 min
 Lab File: BG039359.D
 Acq: 5 Feb 2019 18:08

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

Tgt Ion:330 Resp: 192521
 Ion Ratio Lower Upper
 330 100
 332 93.9 75.7 113.5
 141 42.0 35.6 53.4

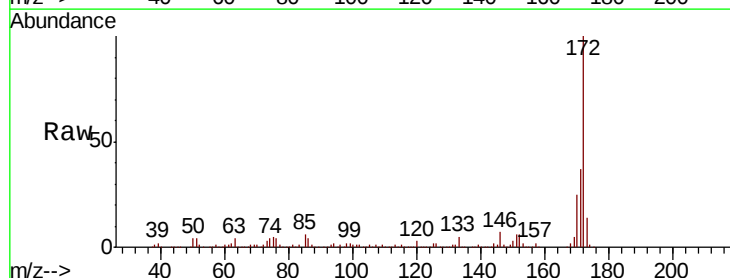


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

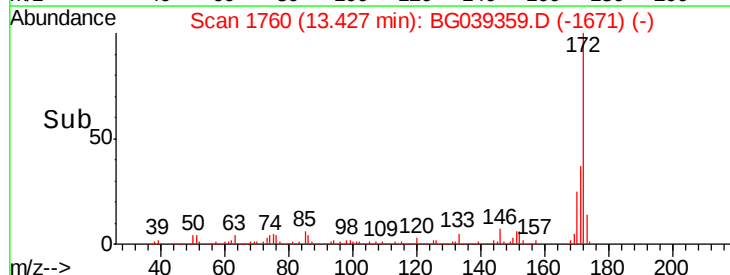
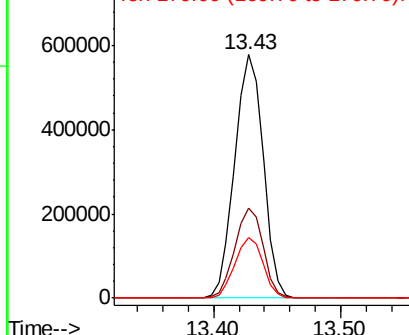


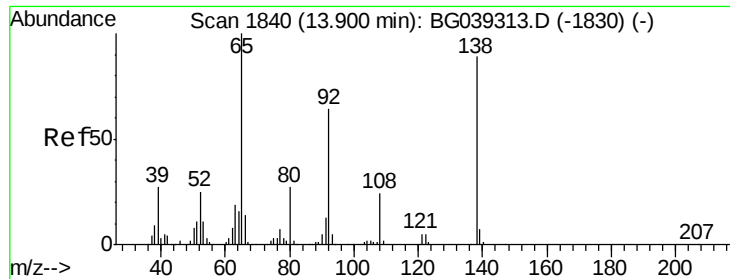
#45
 2-Fluorobiphenyl
 Concen: 90.223 ng
 RT: 13.43 min Scan# 1760
 Delta R.T. -0.01 min
 Lab File: BG039359.D
 Acq: 5 Feb 2019 18:08

Tgt Ion:172 Resp: 898214
 Ion Ratio Lower Upper
 172 100
 171 37.2 30.8 46.2
 170 24.7 20.2 30.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 8.851 ng

RT: 13.43 min Scan# 1761

Delta R.T. -0.47 min

Lab File: BG039359.D

Acq: 5 Feb 2019 18:08

Instrument :

BNA_G

ClientSampleId :

EO-03-020419-B

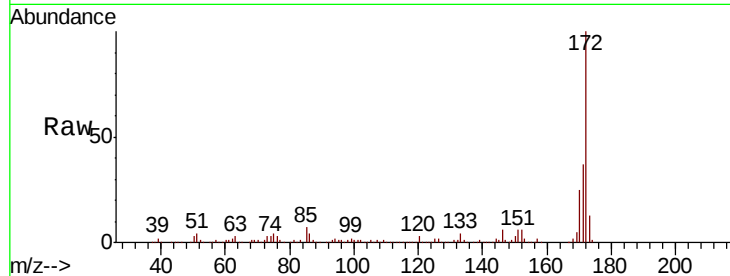
Tgt Ion: 65 Resp: 1723

Ion Ratio Lower Upper

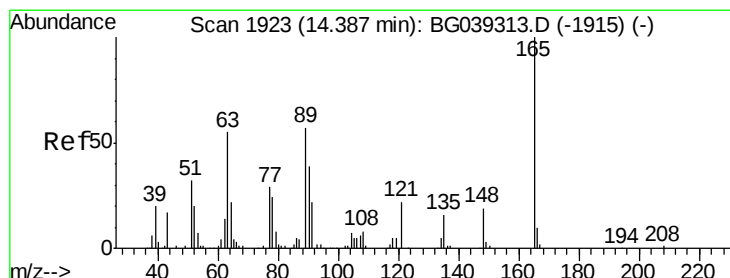
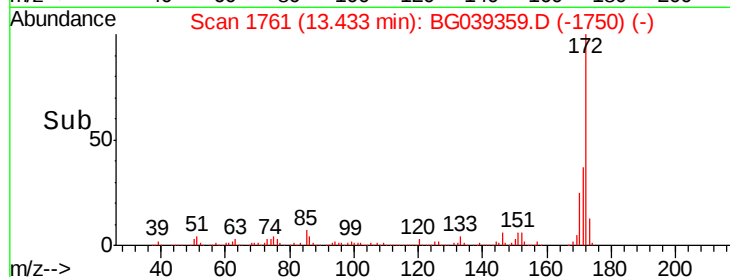
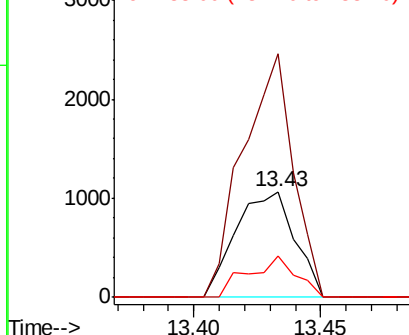
65 100

92 229.9 51.4 77.2#

138 39.4 71.4 107.2#



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



#51

2,6-Dinitrotoluene

Concen: 13.933 ng

RT: 14.80 min Scan# 1993

Delta R.T. 0.41 min

Lab File: BG039359.D

Acq: 5 Feb 2019 18:08

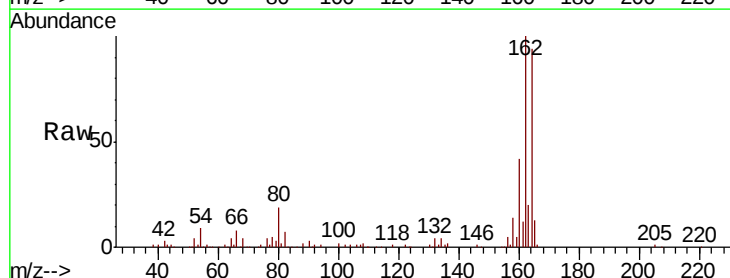
Tgt Ion: 165 Resp: 18412

Ion Ratio Lower Upper

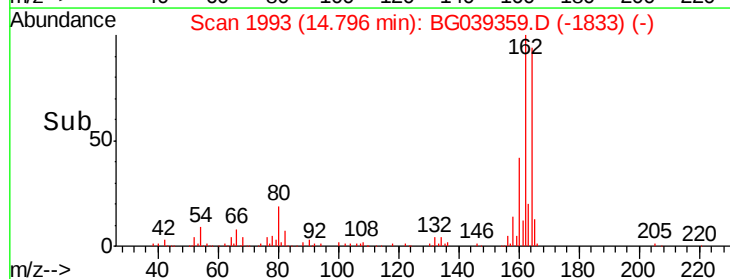
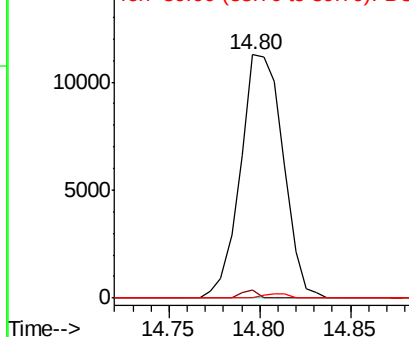
165 100

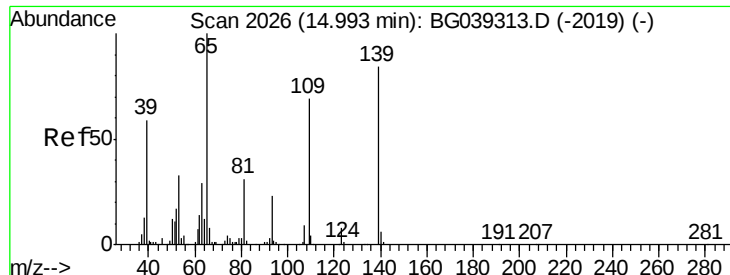
63 3.1 47.0 70.6#

89 0.0 45.8 68.8#



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

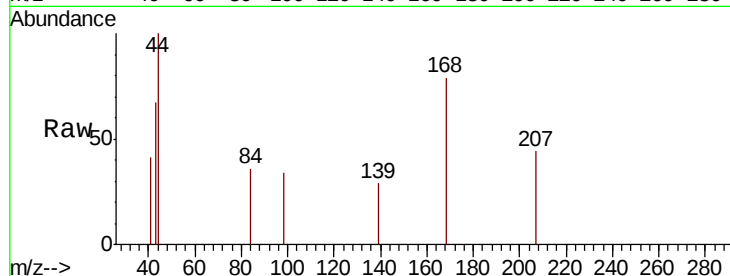




#56
4-Nitrophenol
Concen: 5.818 ng
RT: 15.20 min Scan# 2062
Delta R.T. 0.21 min
Lab File: BG039359.D
Acq: 5 Feb 2019 18:08

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

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

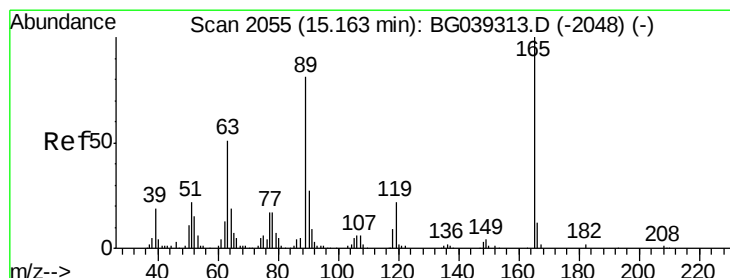
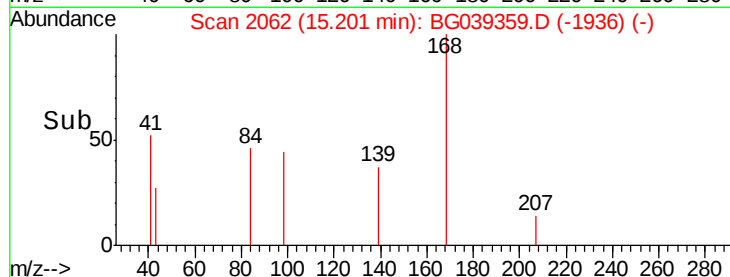
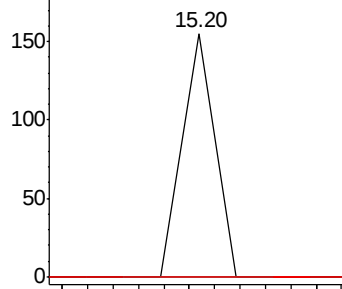


Abundance

Ion 139.00 (138.70 to 139.70): E

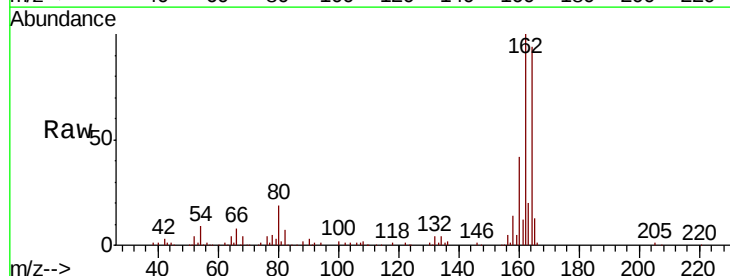
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#57
2,4-Dinitrotoluene
Concen: 13.406 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.37 min
Lab File: BG039359.D
Acq: 5 Feb 2019 18:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.1	41.0	61.6#
89	0.0	64.6	96.8#
182	0.0	2.0	3.0#



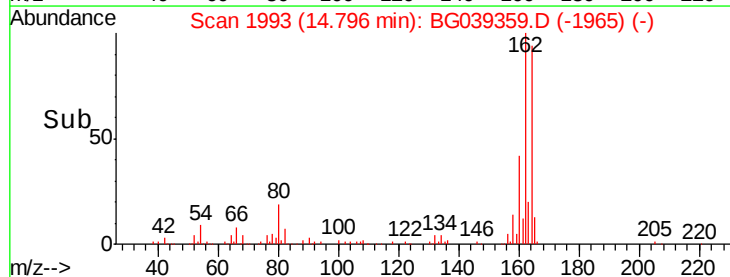
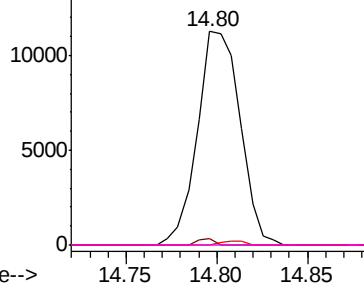
Abundance

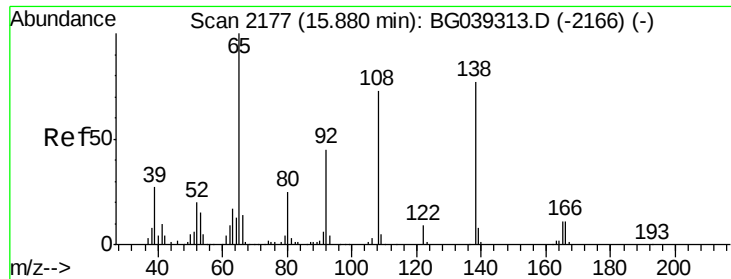
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

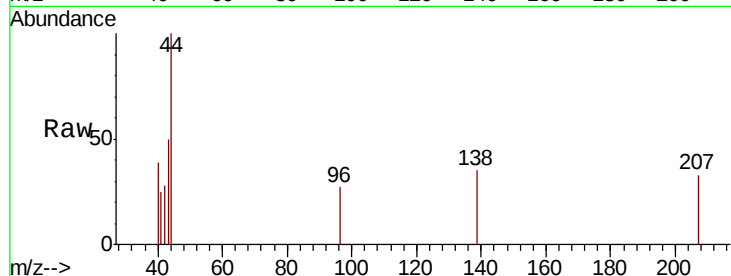




#62
4-Nitroaniline
Concen: 4.233 ng
RT: 15.94 min Scan# 2187
Delta R.T. 0.06 min
Lab File: BG039359.D
Acq: 5 Feb 2019 18:08

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

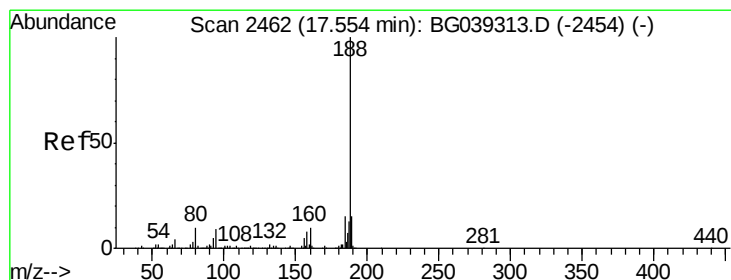
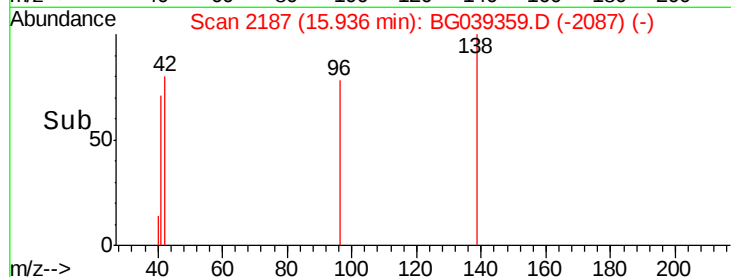
Tgt Ion:138 Resp: 82
Ion Ratio Lower Upper
138 100
92 0.0 38.7 78.7#
108 0.0 74.6 114.6#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E

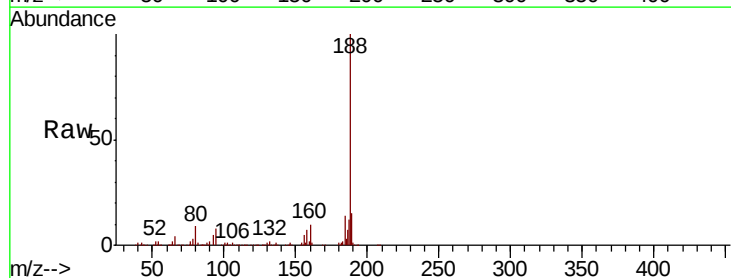
15.94

Time-->



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.55 min Scan# 2461
Delta R.T. -0.01 min
Lab File: BG039359.D
Acq: 5 Feb 2019 18:08

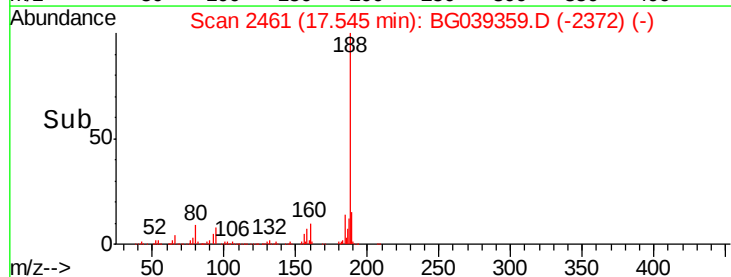
Tgt Ion:188 Resp: 344704
Ion Ratio Lower Upper
188 100
94 8.4 6.9 10.3
80 9.2 8.1 12.1

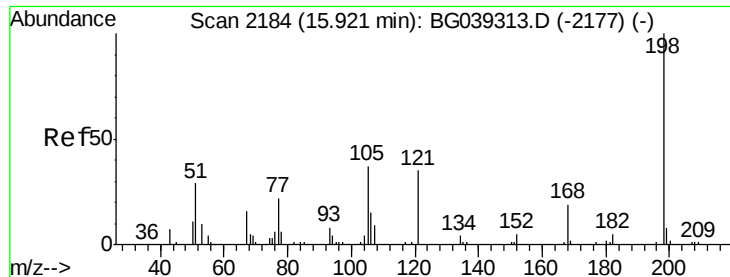


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

17.55

Time-->

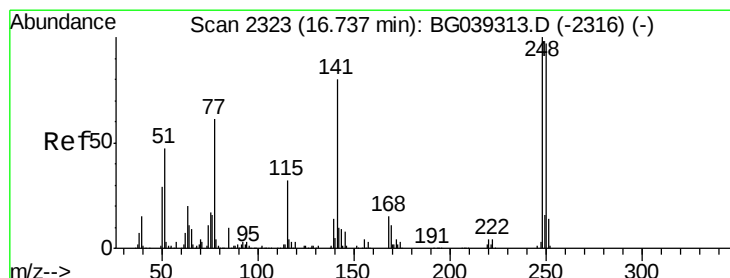
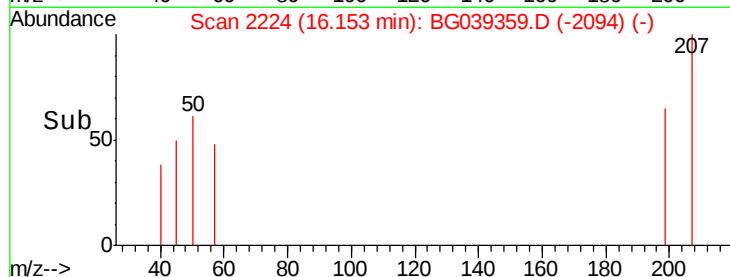
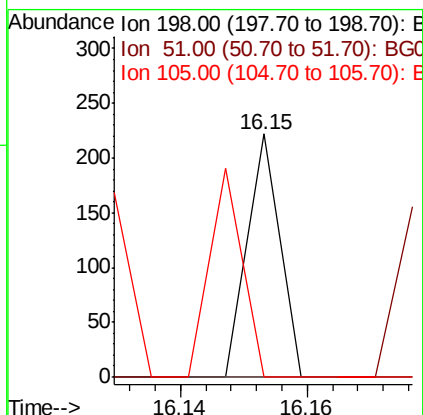
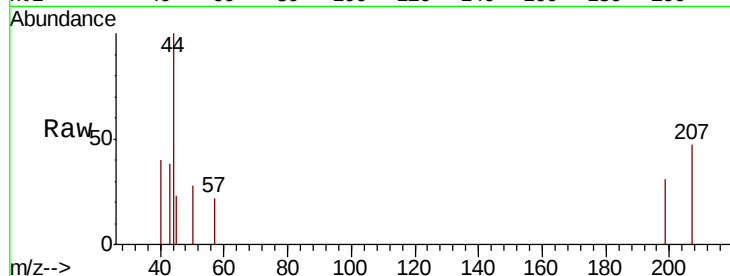




#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.243 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. 0.23 min
 Lab File: BG039359.D
 Acq: 5 Feb 2019 18:08

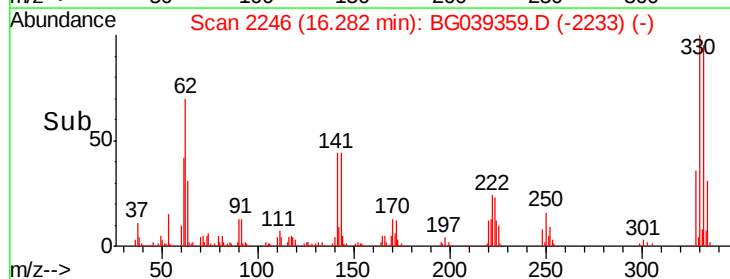
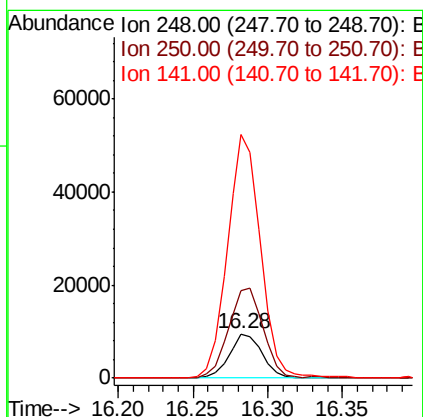
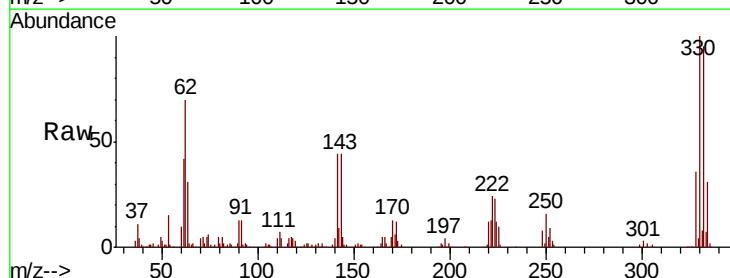
Instrument :
 BNA_G
 ClientSampleId :
 EO-03-020419-B

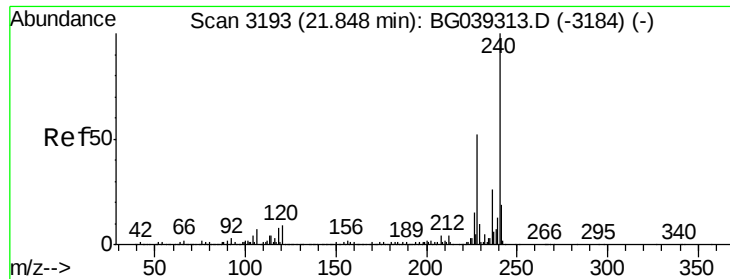
Tgt Ion:198 Resp: 78
 Ion Ratio Lower Upper
 198 100
 51 0.0 27.4 67.4#
 105 0.0 19.7 59.7#



#67
 4-Bromophenyl-phenylether
 Concen: 3.771 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.45 min
 Lab File: BG039359.D
 Acq: 5 Feb 2019 18:08

Tgt Ion:248 Resp: 14420
 Ion Ratio Lower Upper
 248 100
 250 195.7 77.6 116.4#
 141 547.3 63.9 95.9#

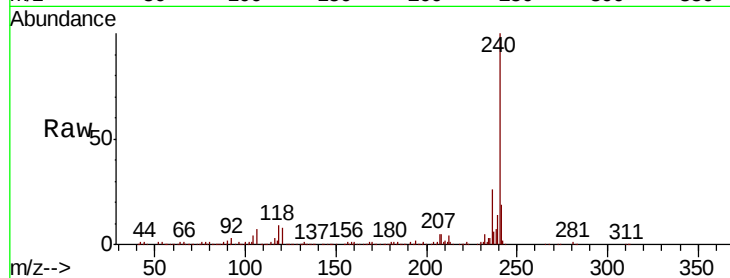




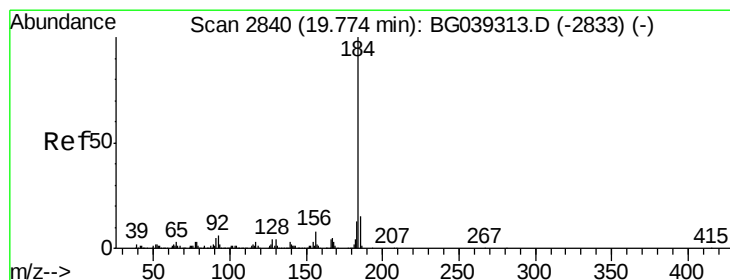
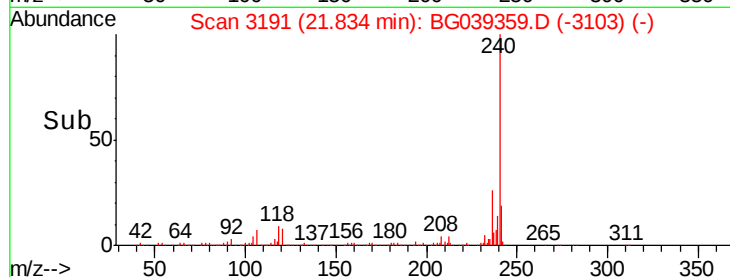
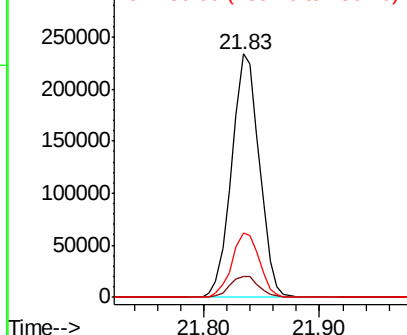
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3191
Delta R.T. -0.01 min
Lab File: BG039359.D
Acq: 5 Feb 2019 18:08

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

Tgt Ion:240 Resp: 388341
Ion Ratio Lower Upper
240 100
120 8.4 7.0 10.6
236 26.2 21.0 31.4

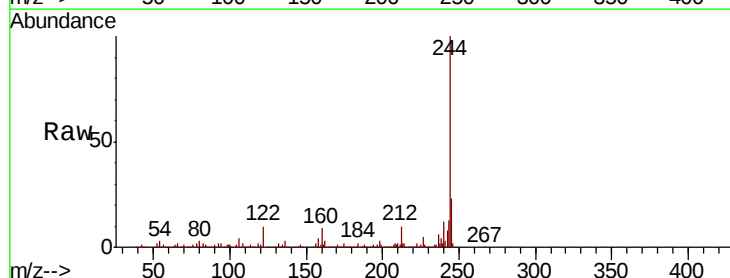


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

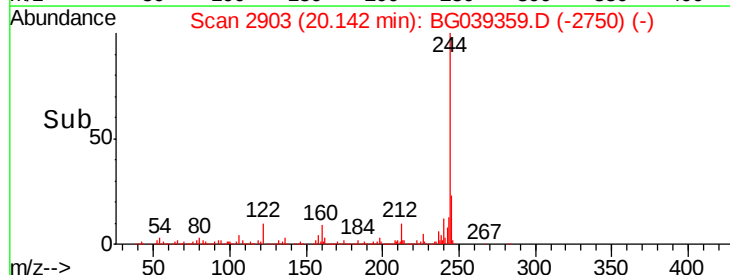
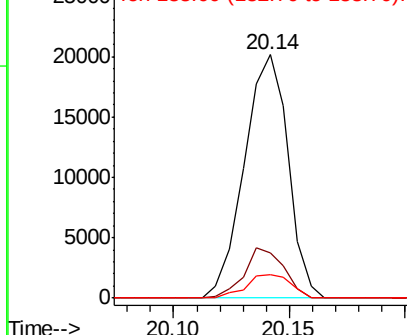


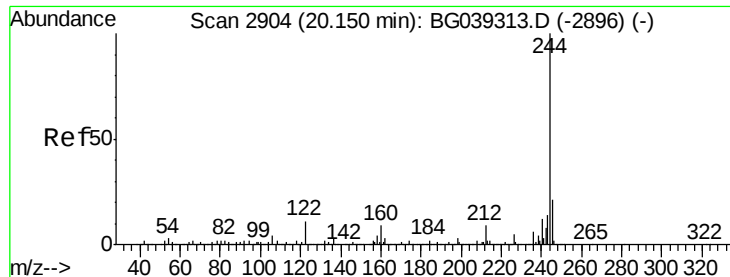
#77
Benzidine
Concen: 2.087 ng
RT: 20.14 min Scan# 2903
Delta R.T. 0.37 min
Lab File: BG039359.D
Acq: 5 Feb 2019 18:08

Tgt Ion:184 Resp: 26567
Ion Ratio Lower Upper
184 100
185 18.7 12.2 18.2#
183 9.7 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: 79.444 ng

RT: 20.14 min Scan# 2903

Delta R.T. -0.01 min

Lab File: BG039359.D

Acq: 5 Feb 2019 18:08

Instrument :

BNA_G

ClientSampleId :

EO-03-020419-B

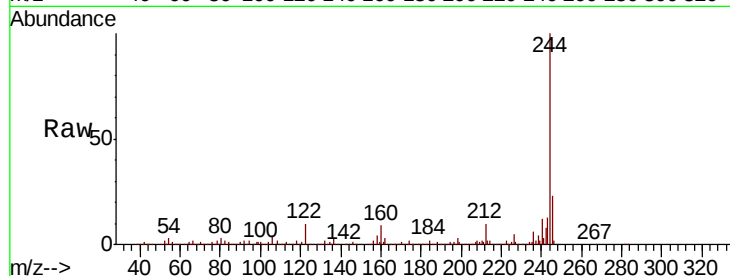
Tgt Ion:244 Resp: 1457529

Ion Ratio Lower Upper

244 100

212 9.7 7.3 10.9

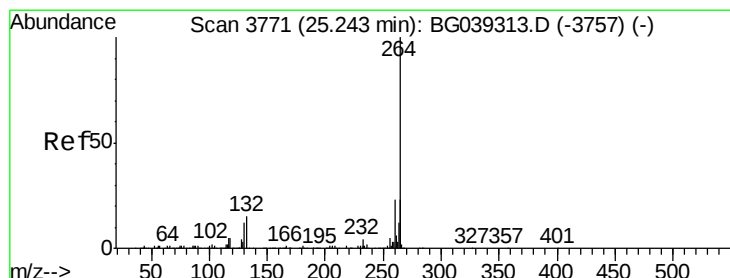
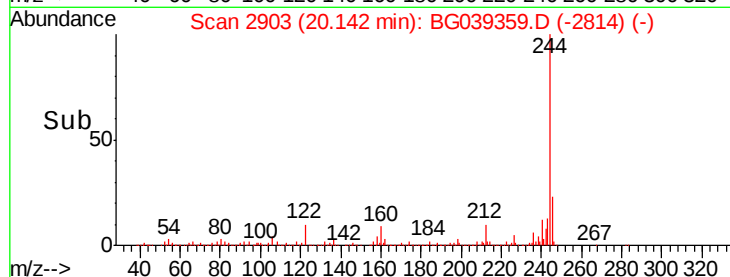
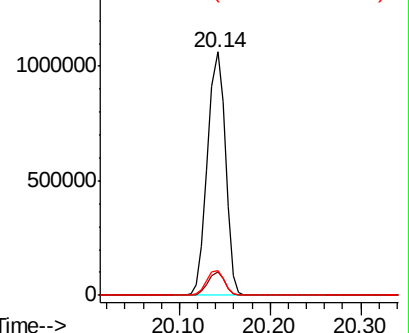
122 10.4 8.4 12.6



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: BG039359.D

Acq: 5 Feb 2019 18:08

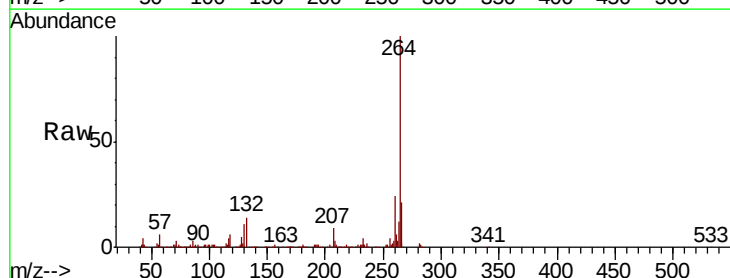
Tgt Ion:264 Resp: 380088

Ion Ratio Lower Upper

264 100

260 24.5 18.2 27.4

265 20.6 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

