

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022719\
 Data File : BG039652.D
 Acq On : 28 Feb 2019 3:13
 Operator : JU/SJ
 Sample : K1350-16
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-01-022619-C

Quant Time: Feb 28 07:14:40 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	53153	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	229592	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	158201	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	370657	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	366434	20.00	ng	-0.03
87) Perylene-d12	25.20	264	351888	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	448991	144.57	ng	0.00
7) Phenol-d6	7.32	99	602401	131.78	ng	0.00
23) Nitrobenzene-d5	9.34	82	425042	115.65	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	233557	137.10	ng	-0.02
45) 2-Fluorobiphenyl	13.41	172	1070061	97.03	ng	-0.02
79) Terphenyl-d14	20.13	244	1513551	87.43	ng	-0.02

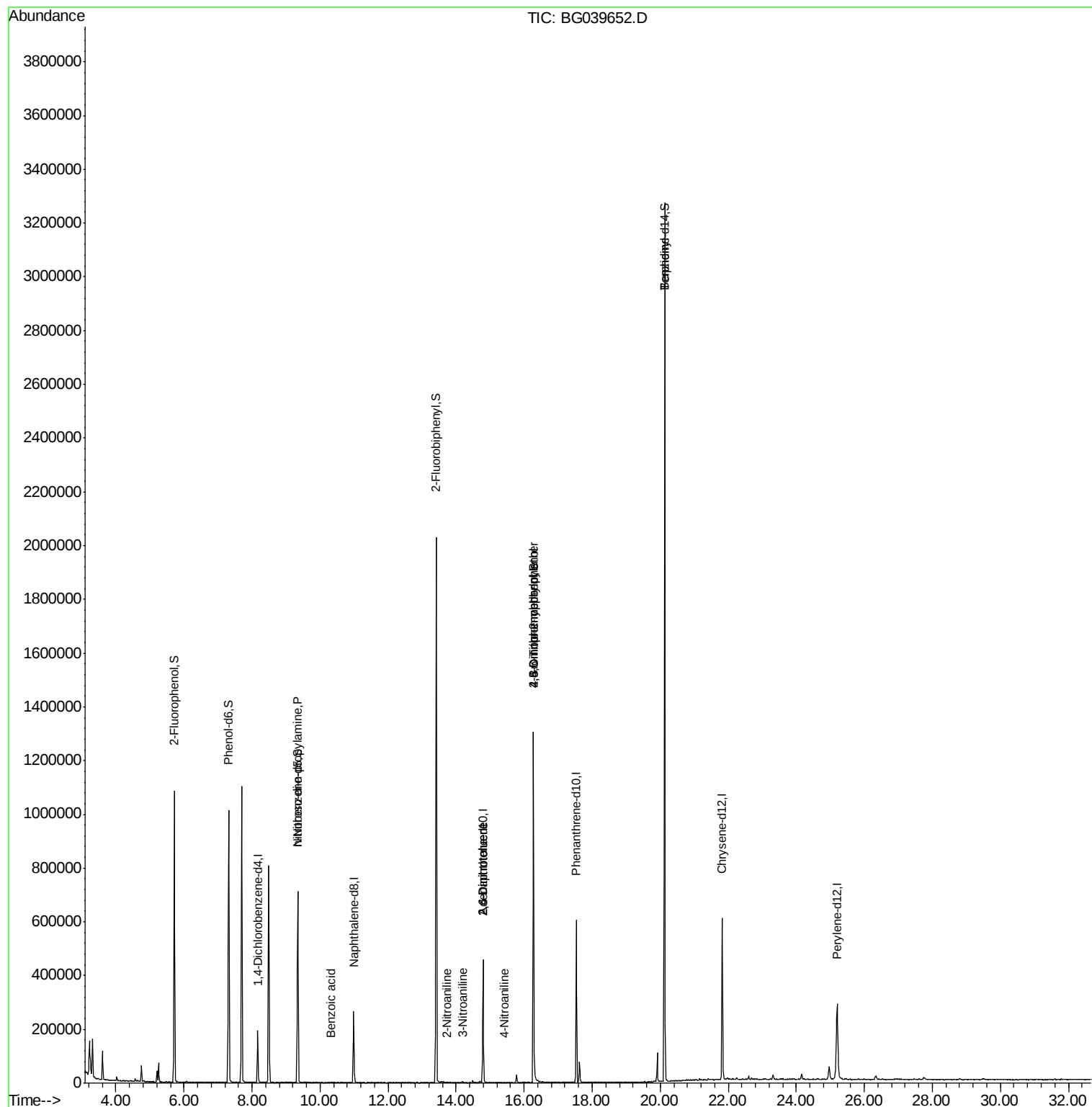
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1331	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	54951	16.936	ng	# 70
32) Benzoic acid	10.32	122	76	9.050	ng	# 1
48) 2-Nitroaniline	13.72	65	54	8.312	ng	# 10
51) 2,6-Dinitrotoluene	14.79	165	20327	13.908	ng	# 23
53) 3-Nitroaniline	14.20	138	123	5.835	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	20327	13.387	ng	# 18
62) 4-Nitroaniline	15.42	138	89	4.233	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.27	198	935	4.984	ng	# 47
67) 4-Bromophenyl-phenylether	16.28	248	18508	4.501	ng	# 1
77) Benzidine	20.13	184	27304	2.273	ng	95

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

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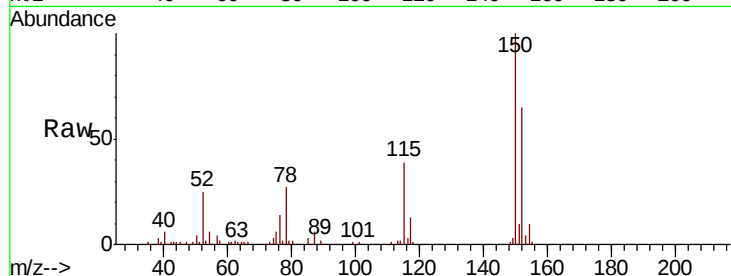


#1

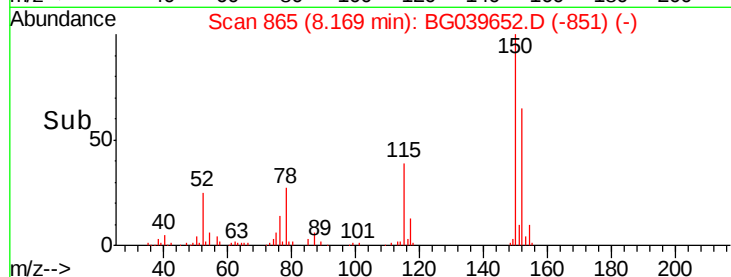
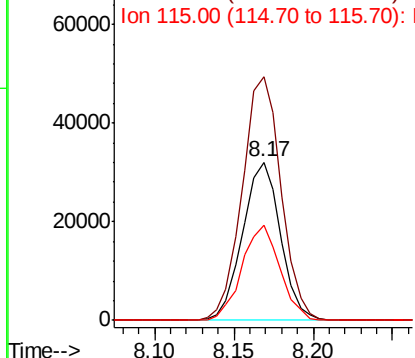
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.17 min Scan# 865
 Delta R.T. -0.02 min
 Lab File: BG039652.D
 Acq: 28 Feb 2019 3:13

Instrument :
 BNA_G
 ClientSampleId :
 EO-01-022619-C

Tgt Ion:152 Resp: 53153
 Ion Ratio Lower Upper
 152 100
 150 154.0 123.7 185.5
 115 60.0 45.9 68.9



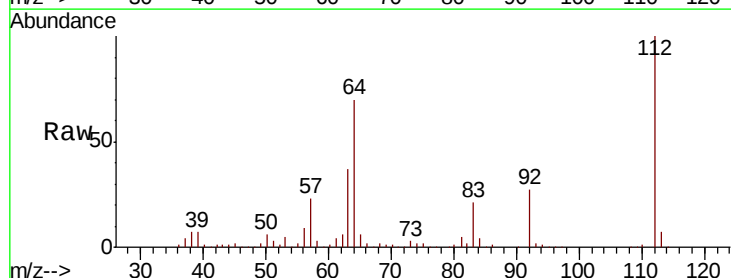
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



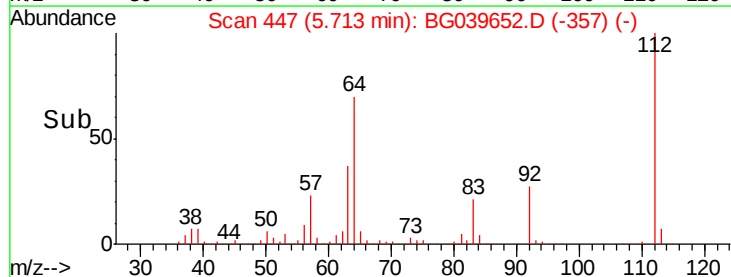
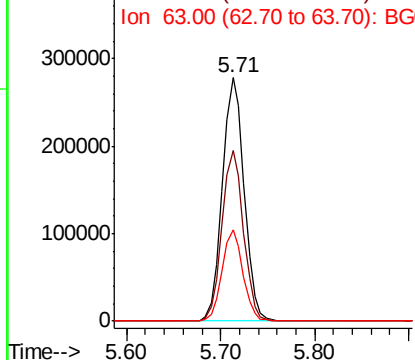
#5

2-Fluorophenol
 Concen: 144.574 ng
 RT: 5.71 min Scan# 447
 Delta R.T. -0.00 min
 Lab File: BG039652.D
 Acq: 28 Feb 2019 3:13

Tgt Ion:112 Resp: 448991
 Ion Ratio Lower Upper
 112 100
 64 70.3 57.8 86.8
 63 37.2 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: 131.776 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039652.D

Acq: 28 Feb 2019 3:13

Instrument :

BNA_G

ClientSampleId :

EO-01-022619-C

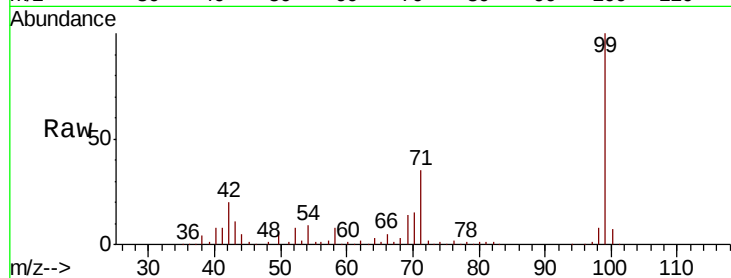
Tgt Ion: 99 Resp: 602401

Ion Ratio Lower Upper

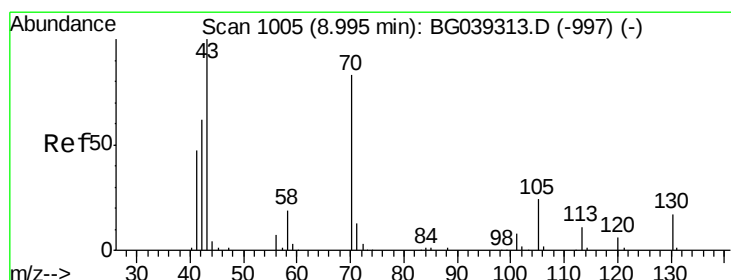
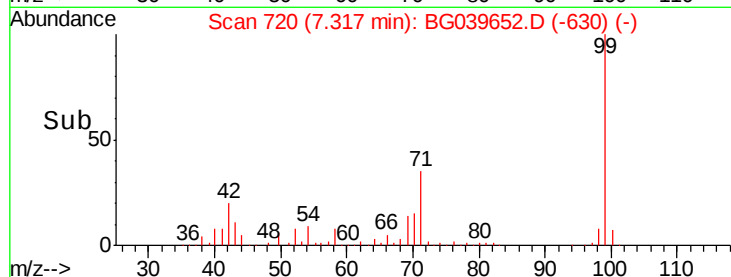
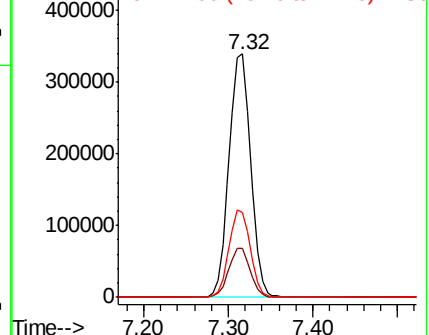
99 100

42 20.0 18.2 27.2

71 34.9 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: 16.936 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039652.D

Acq: 28 Feb 2019 3:13

Tgt Ion: 70 Resp: 54951

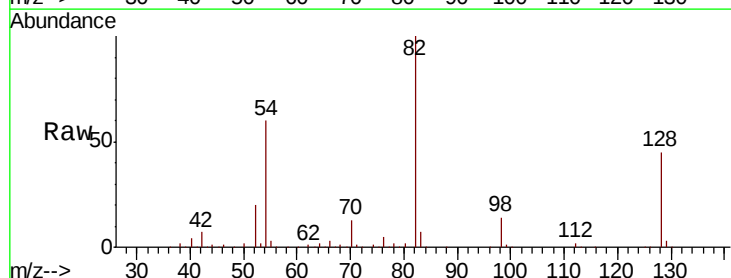
Ion Ratio Lower Upper

70 100

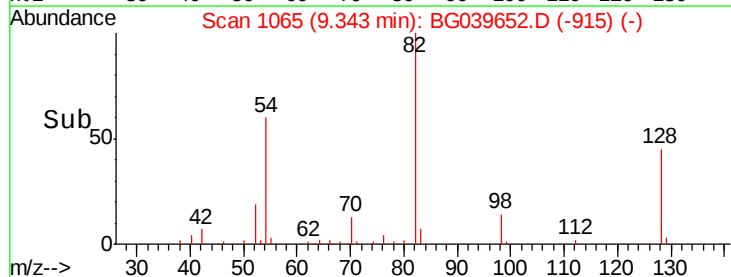
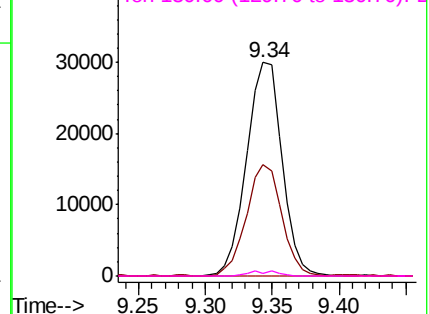
42 52.2 60.4 90.6#

101 0.0 7.5 11.3#

130 1.4 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

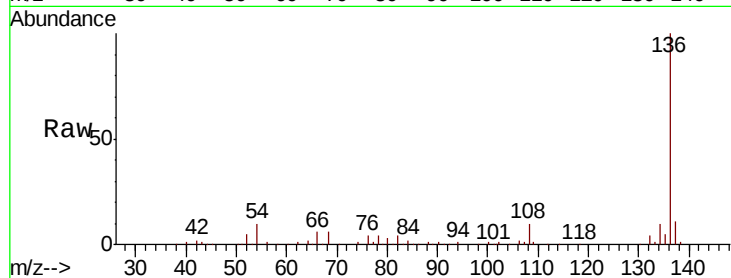




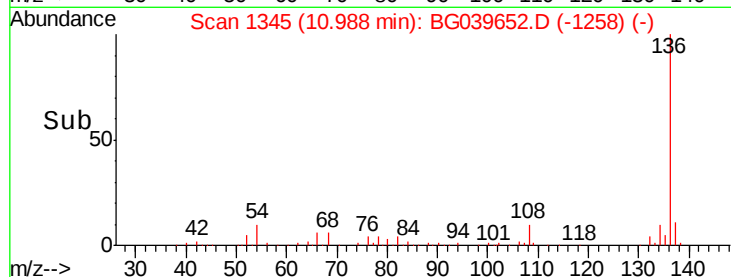
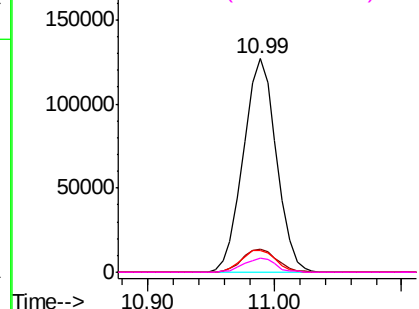
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039652.D
Acq: 28 Feb 2019 3:13

Instrument :
BNA_G
ClientSampleId :
EO-01-022619-C

Tgt Ion:	136	Resp:	229592
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.1	13.7
54	10.2	9.4	14.2
68	6.4	4.2	6.4#

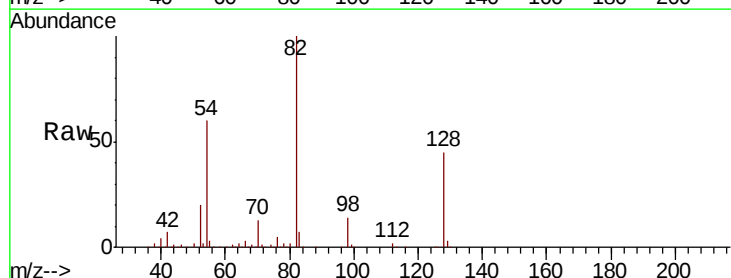


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

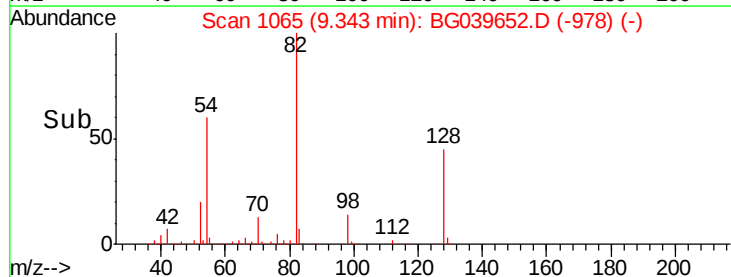
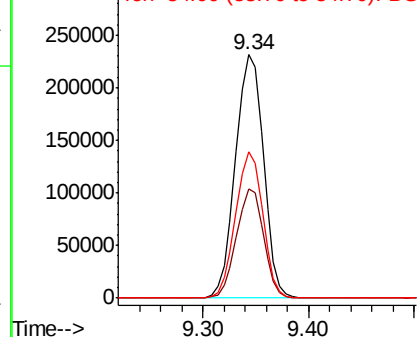


#23
Nitrobenzene-d5
Concen: 115.653 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039652.D
Acq: 28 Feb 2019 3:13

Tgt Ion:	82	Resp:	425042
Ion Ratio	Lower	Upper	
82	100		
128	45.0	31.3	46.9
54	60.1	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: 9.050 ng

RT: 10.32 min Scan# 1231

Delta R.T. 0.06 min

Lab File: BG039652.D

Acq: 28 Feb 2019 3:13

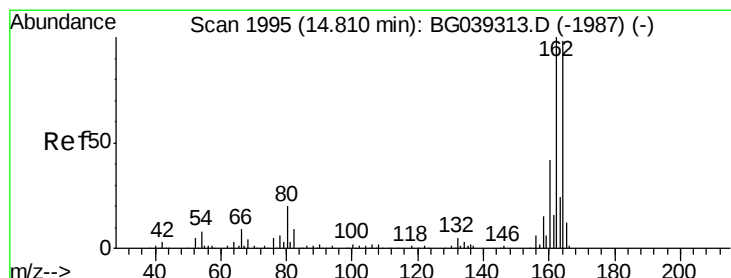
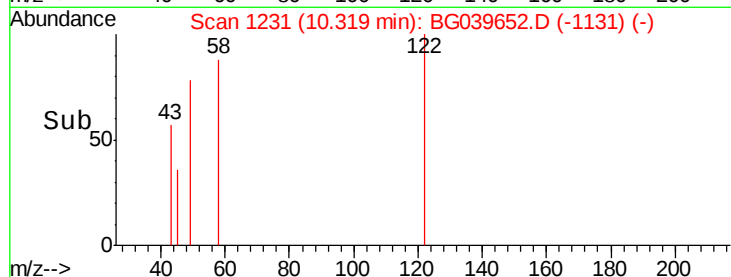
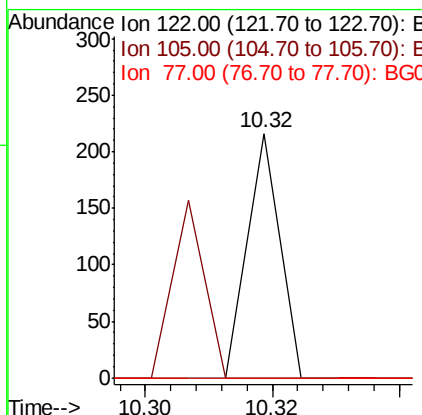
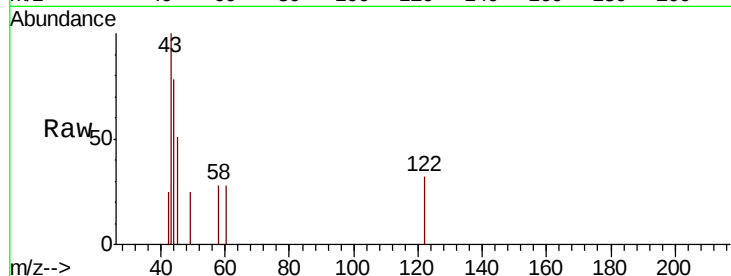
Instrument :

BNA_G

ClientSampleId :

EO-01-022619-C

Tgt Ion:	122	Resp:	76
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

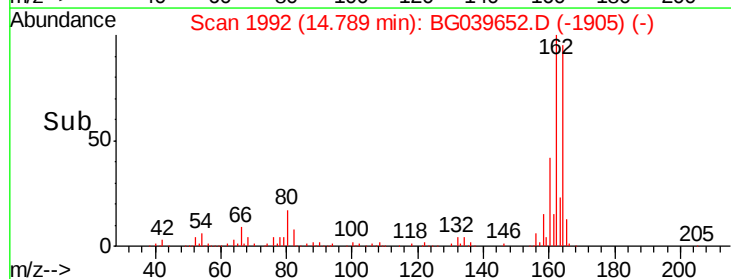
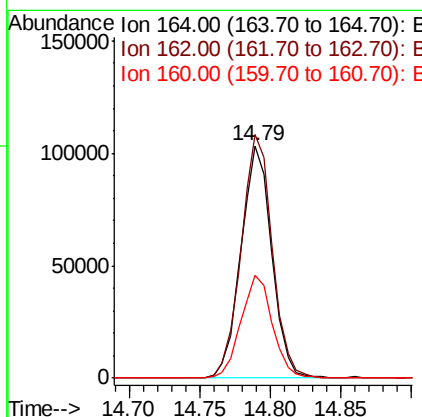
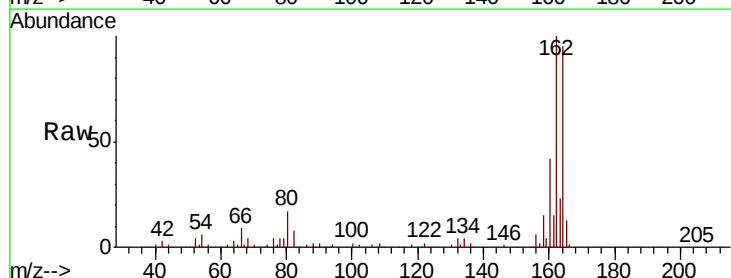
RT: 14.79 min Scan# 1992

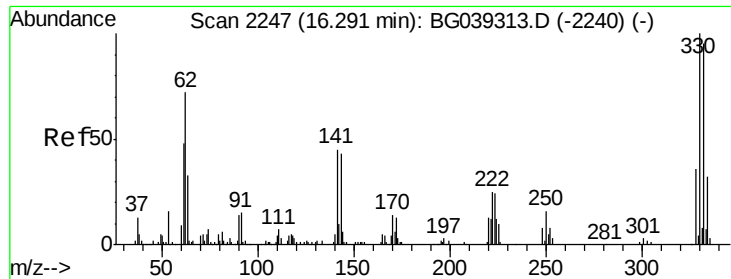
Delta R.T. -0.02 min

Lab File: BG039652.D

Acq: 28 Feb 2019 3:13

Tgt Ion:	164	Resp:	158201
Ion Ratio	Lower	Upper	
164	100		
162	104.8	81.6	122.4
160	44.3	34.2	51.2

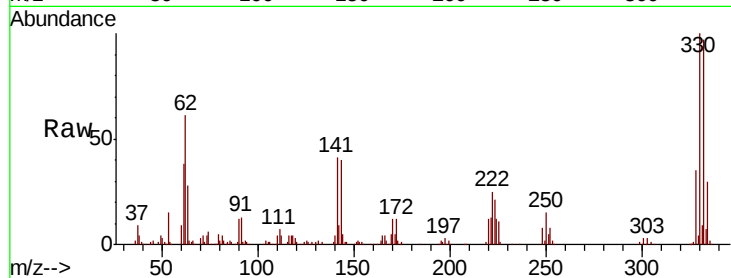




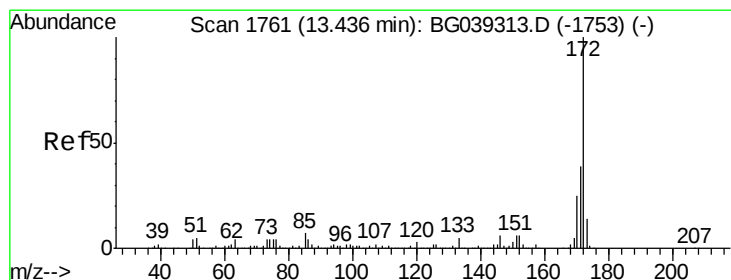
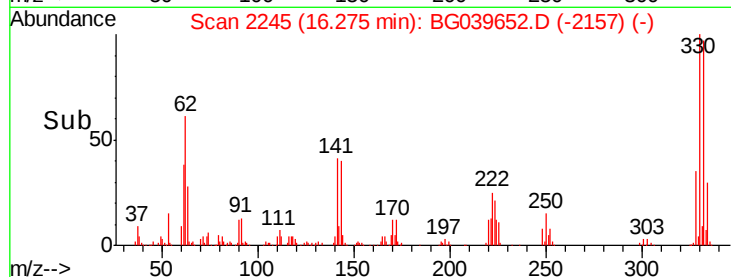
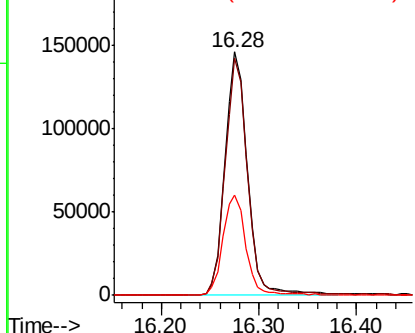
#42
 2,4,6-Tribromophenol
 Concen: 137.100 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.02 min
 Lab File: BG039652.D
 Acq: 28 Feb 2019 3:13

Instrument :
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 ClientSampleId :
 EO-01-022619-C

Tgt Ion:330 Resp: 233557
 Ion Ratio Lower Upper
 330 100
 332 97.1 75.7 113.5
 141 42.1 35.6 53.4

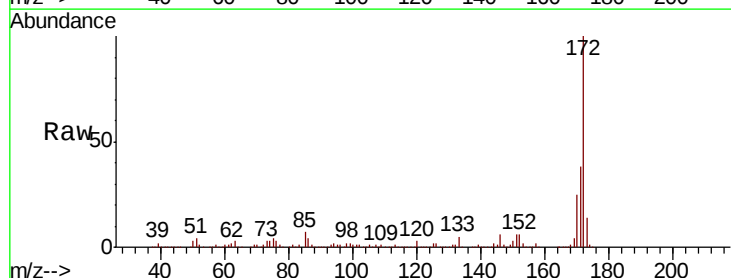


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

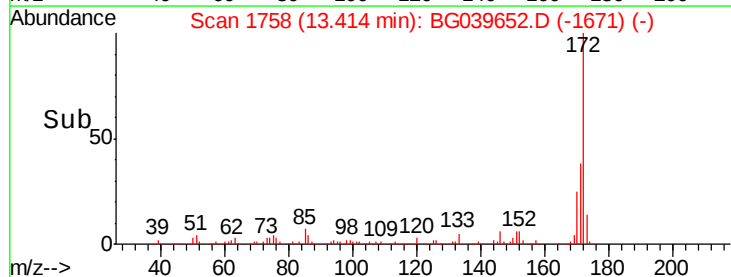
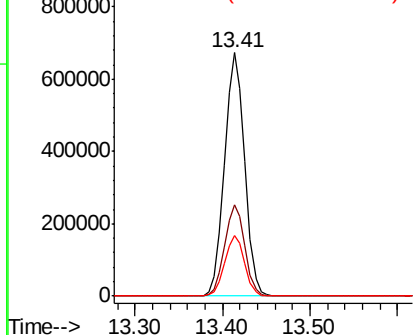


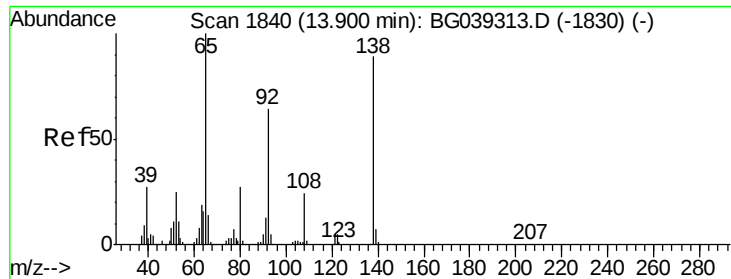
#45
 2-Fluorobiphenyl
 Concen: 97.032 ng
 RT: 13.41 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039652.D
 Acq: 28 Feb 2019 3:13

Tgt Ion:172 Resp: 1070061
 Ion Ratio Lower Upper
 172 100
 171 37.7 30.8 46.2
 170 24.9 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

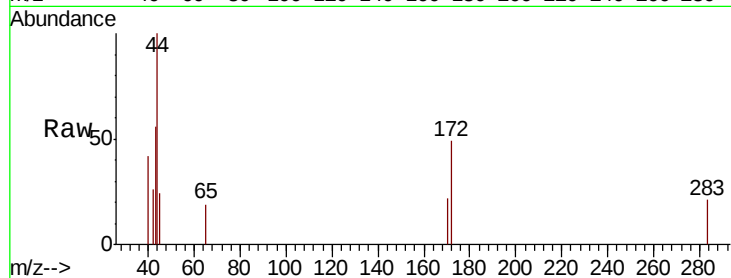




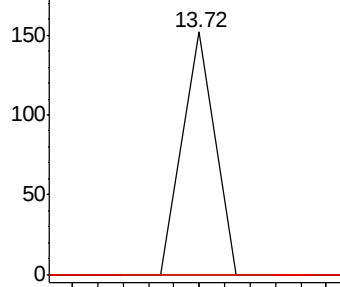
#48
2-Nitroaniline
Concen: 8.312 ng
RT: 13.72 min Scan# 1810
Delta R.T. -0.18 min
Lab File: BG039652.D
Acq: 28 Feb 2019 3:13

Instrument :
BNA_G
ClientSampleId :
EO-01-022619-C

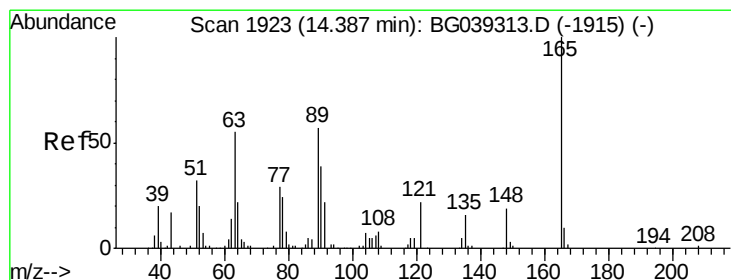
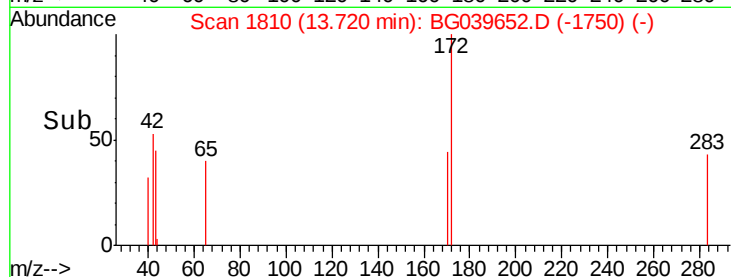
Tgt Ion: 65 Resp: 54
Ion Ratio Lower Upper
65 100
92 0.0 51.4 77.2#
138 0.0 71.4 107.2#



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

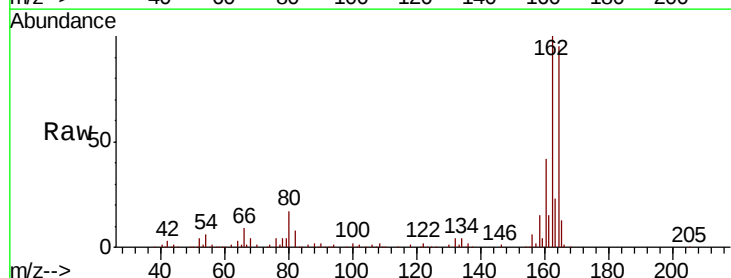


Time--> 13.70 13.72

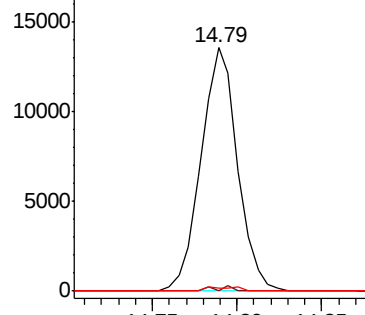


#51
2,6-Dinitrotoluene
Concen: 13.908 ng
RT: 14.79 min Scan# 1992
Delta R.T. 0.40 min
Lab File: BG039652.D
Acq: 28 Feb 2019 3:13

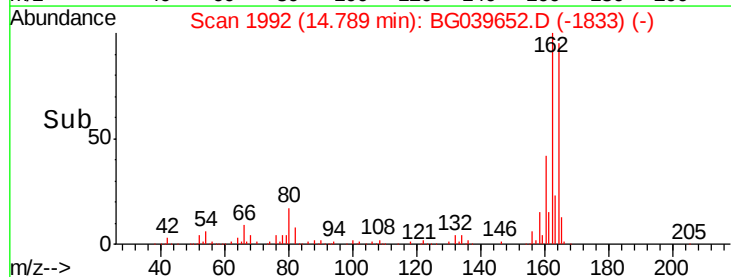
Tgt Ion: 165 Resp: 20327
Ion Ratio Lower Upper
165 100
63 0.0 47.0 70.6#
89 1.3 45.8 68.8#

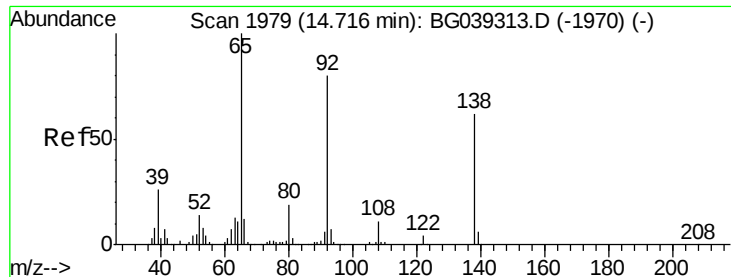


Abundance Ion 165.00 (164.70 to 165.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC



Time--> 14.75 14.80 14.85





#53

3-Nitroaniline

Concen: 5.835 ng

RT: 14.20 min Scan# 1891

Delta R.T. -0.52 min

Lab File: BG039652.D

Acq: 28 Feb 2019 3:13

Instrument :

BNA_G

ClientSampleId :

EO-01-022619-C

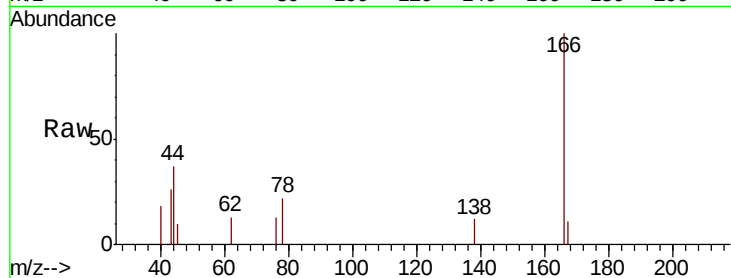
Tgt Ion:138 Resp: 123

Ion Ratio Lower Upper

138 100

108 0.0 13.8 20.8#

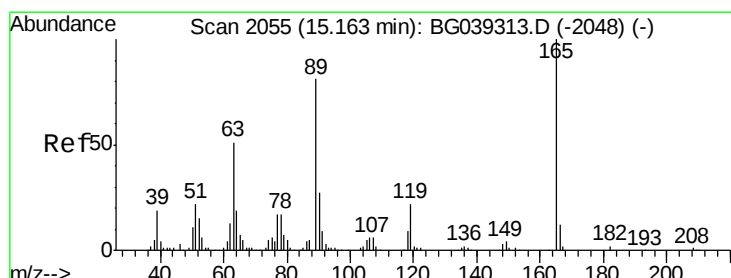
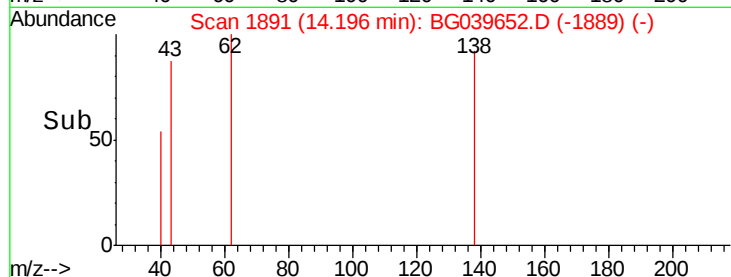
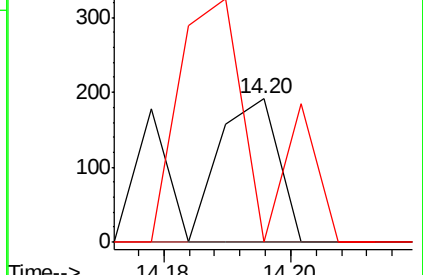
92 0.0 103.7 155.5#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#57

2,4-Dinitrotoluene

Concen: 13.387 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039652.D

Acq: 28 Feb 2019 3:13

Tgt Ion:165 Resp: 20327

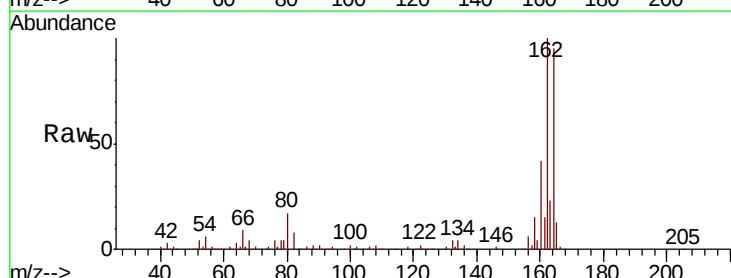
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 1.3 64.6 96.8#

182 0.0 2.0 3.0#

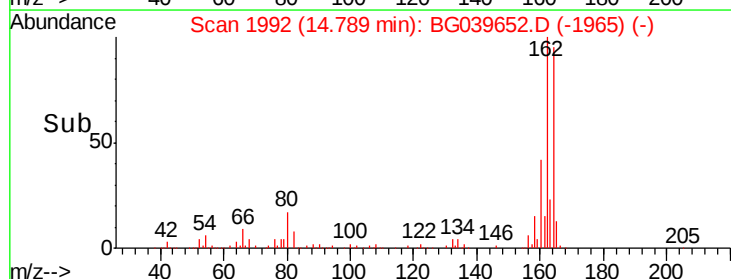
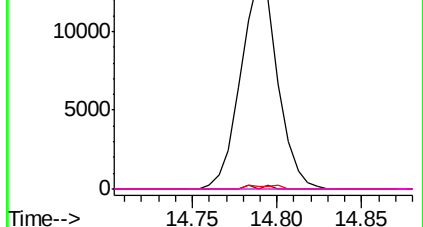


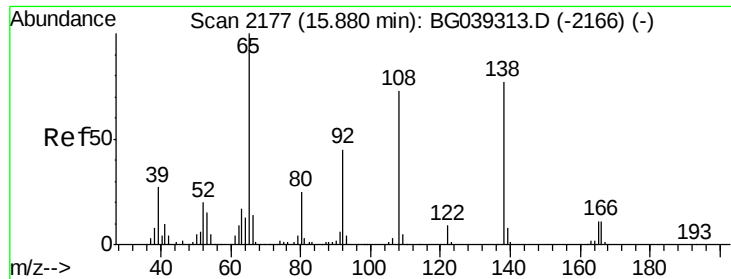
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

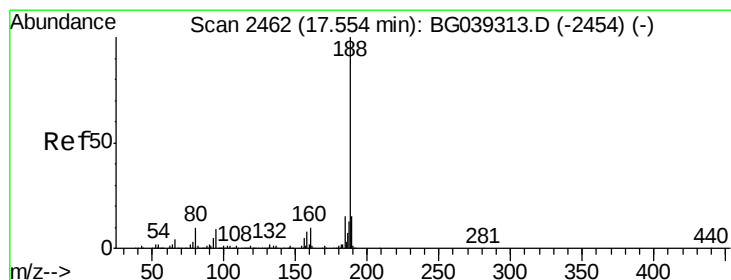
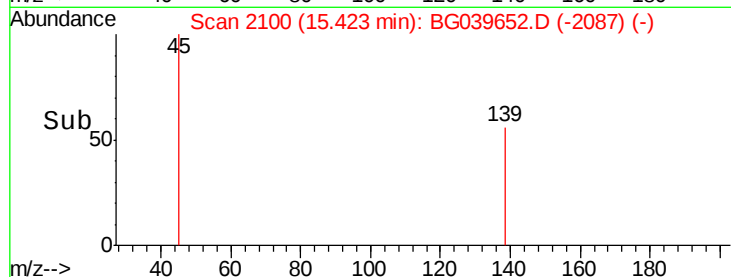
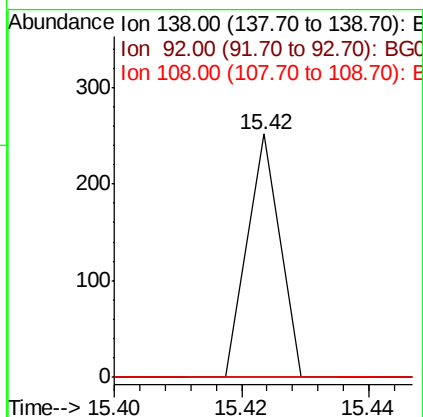
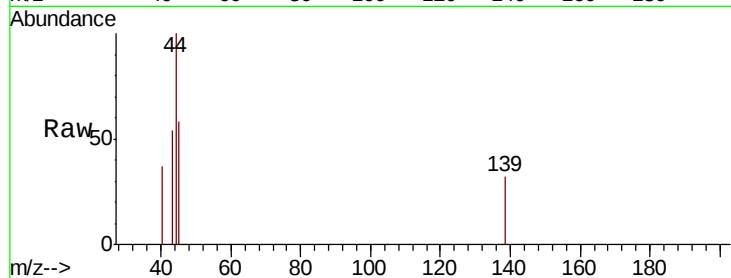




#62
4-Nitroaniline
Concen: 4.233 ng
RT: 15.42 min Scan# 2100
Delta R.T. -0.46 min
Lab File: BG039652.D
Acq: 28 Feb 2019 3:13

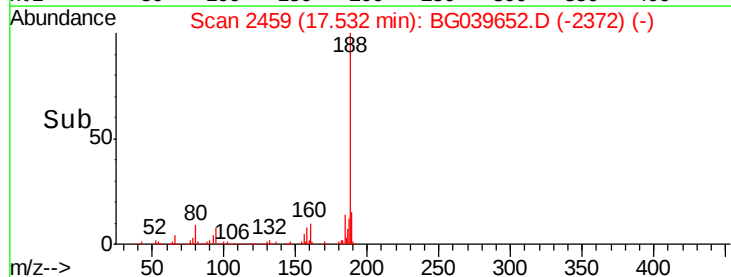
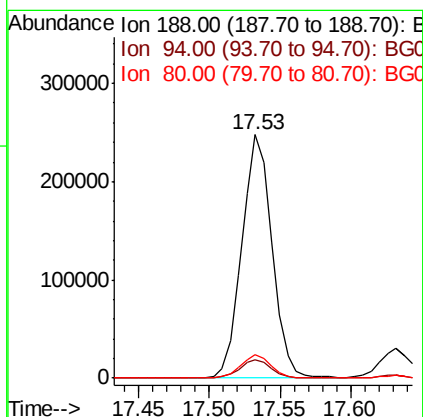
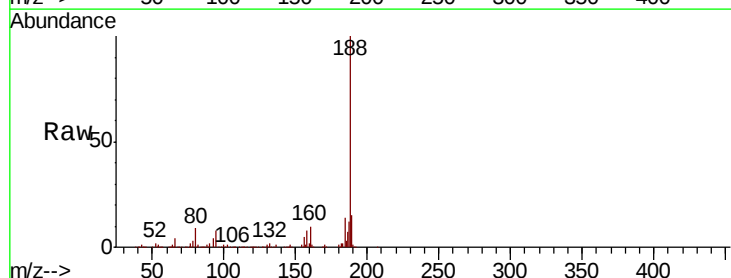
Instrument :
BNA_G
ClientSampleId :
EO-01-022619-C

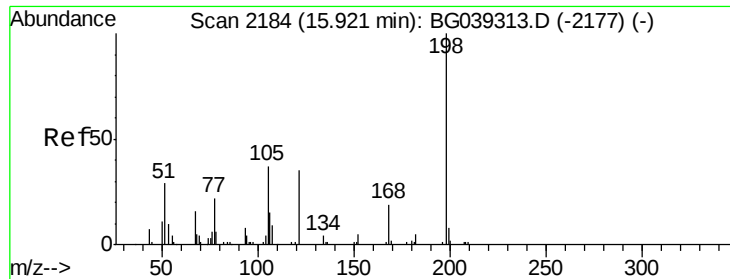
Tgt Ion:138 Resp: 89
Ion Ratio Lower Upper
138 100
92 0.0 38.7 78.7#
108 0.0 74.6 114.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.53 min Scan# 2459
Delta R.T. -0.02 min
Lab File: BG039652.D
Acq: 28 Feb 2019 3:13

Tgt Ion:188 Resp: 370657
Ion Ratio Lower Upper
188 100
94 7.6 6.9 10.3
80 9.5 8.1 12.1

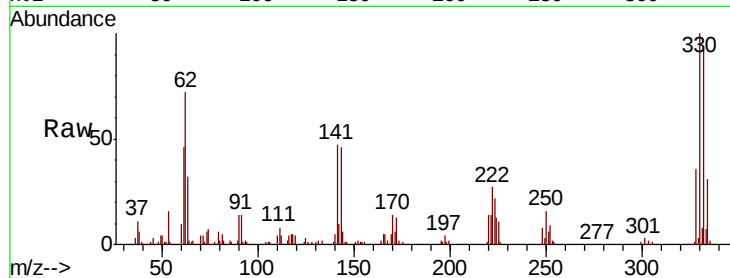




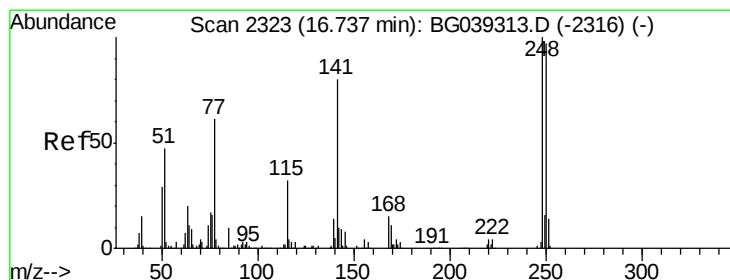
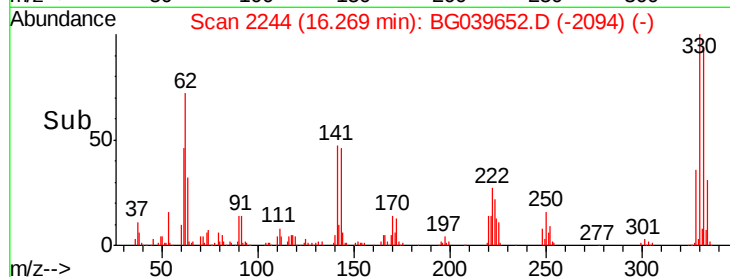
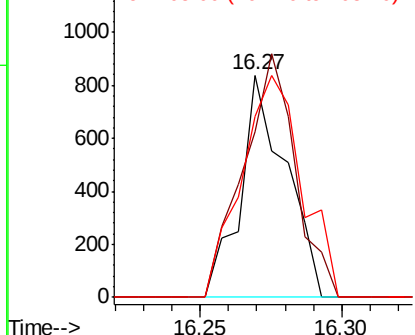
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.984 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. 0.35 min
 Lab File: BG039652.D
 Acq: 28 Feb 2019 3:13

Instrument :
 BNA_G
 ClientSampleId :
 EO-01-022619-C

Tgt Ion:198 Resp: 935
 Ion Ratio Lower Upper
 198 100
 51 74.5 27.4 67.4#
 105 81.6 19.7 59.7#

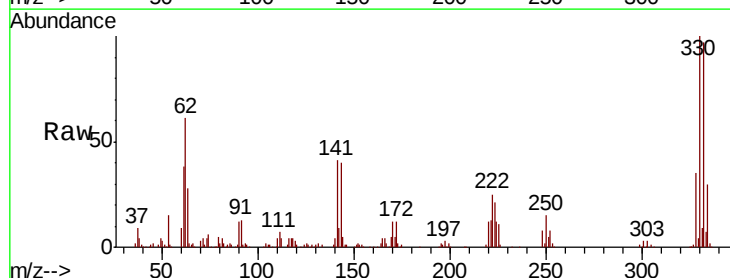


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

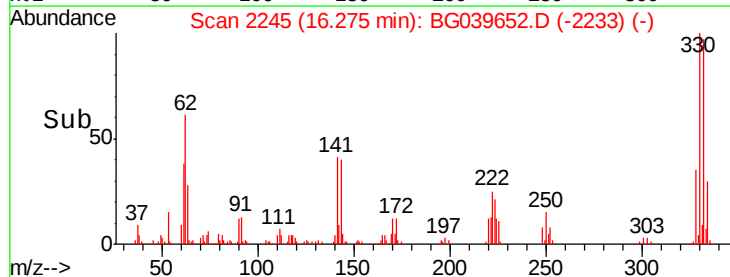
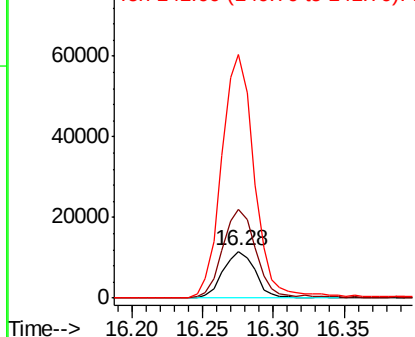


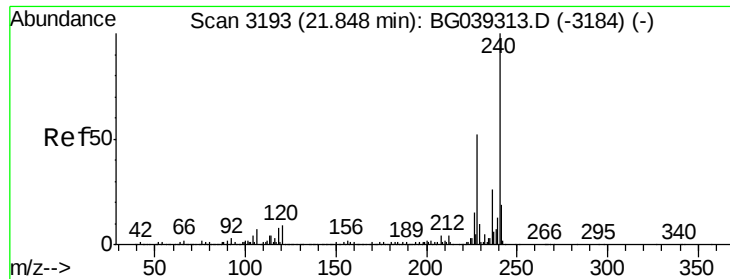
#67
 4-Bromophenyl-phenylether
 Concen: 4.501 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039652.D
 Acq: 28 Feb 2019 3:13

Tgt Ion:248 Resp: 18508
 Ion Ratio Lower Upper
 248 100
 250 189.9 77.6 116.4#
 141 522.4 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

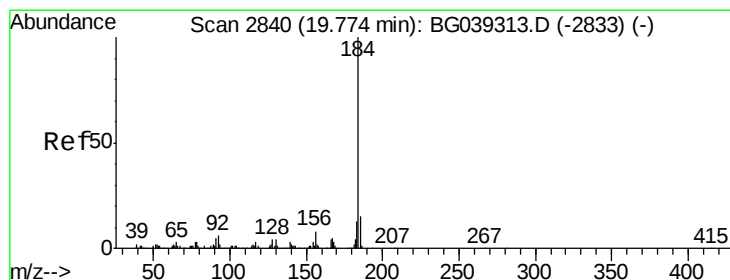
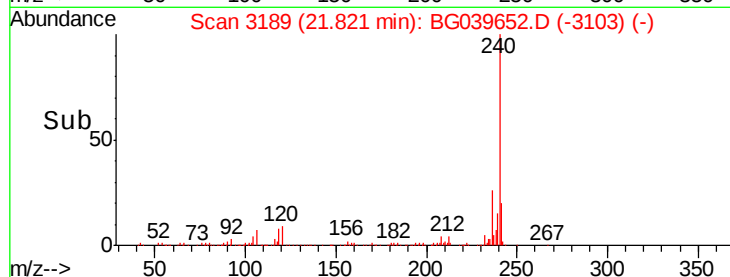
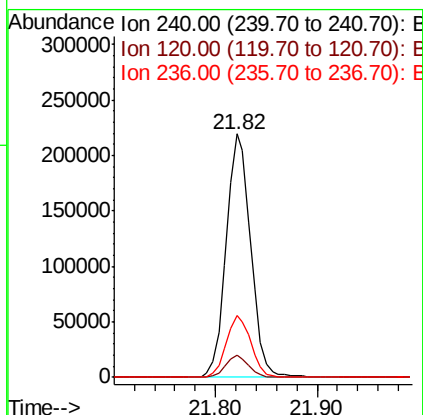
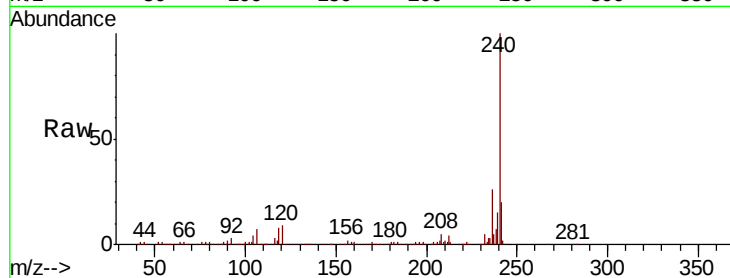




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3189
Delta R.T. -0.03 min
Lab File: BG039652.D
Acq: 28 Feb 2019 3:13

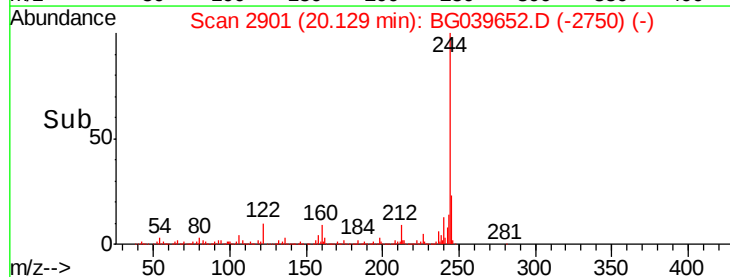
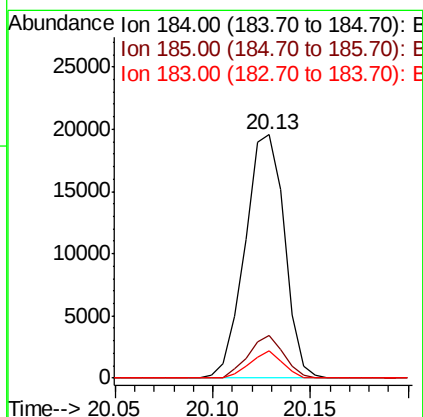
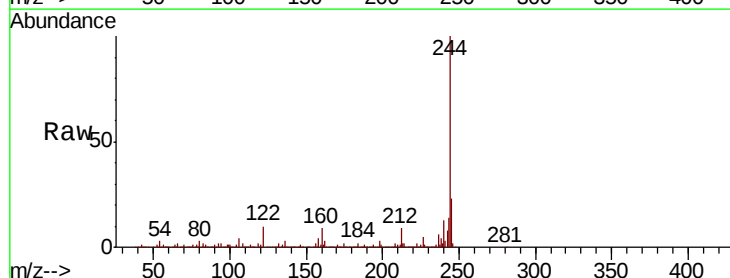
Instrument :
BNA_G
ClientSampleId :
EO-01-022619-C

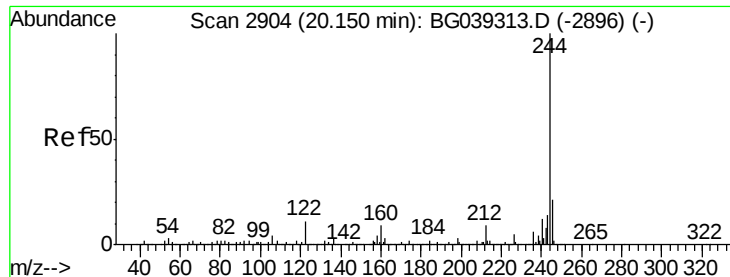
Tgt Ion: 240 Resp: 366434
Ion Ratio Lower Upper
240 100
120 9.1 7.0 10.6
236 25.7 21.0 31.4



#77
Benzidine
Concen: 2.273 ng
RT: 20.13 min Scan# 2901
Delta R.T. 0.35 min
Lab File: BG039652.D
Acq: 28 Feb 2019 3:13

Tgt Ion: 184 Resp: 27304
Ion Ratio Lower Upper
184 100
185 17.5 12.2 18.2
183 11.0 10.6 15.8

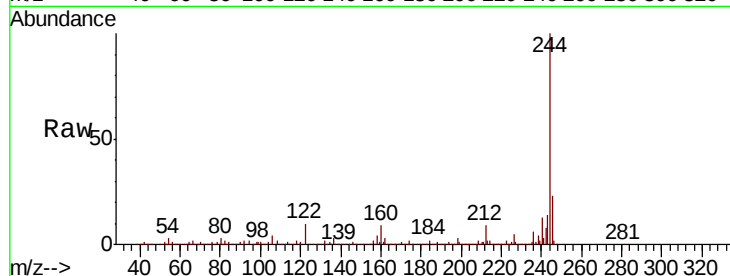




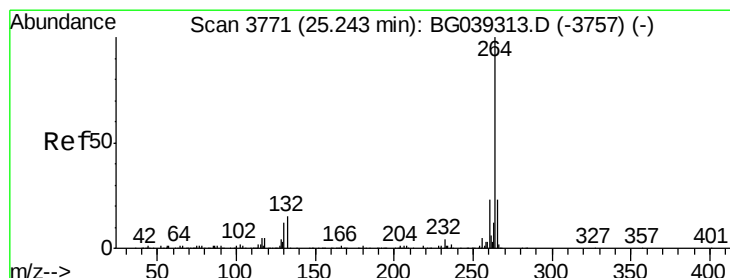
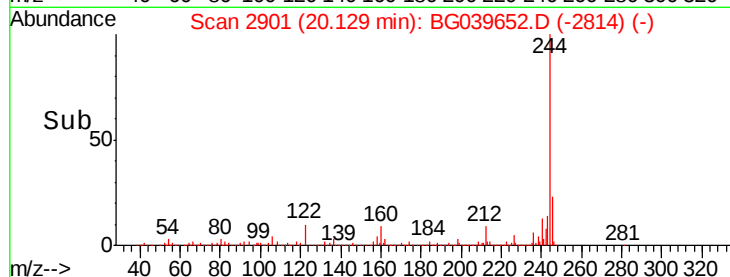
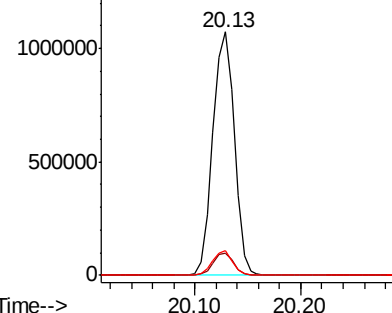
#79
 Terphenyl-d14
 Concen: 87.430 ng
 RT: 20.13 min Scan# 2901
 Delta R.T. -0.02 min
 Lab File: BG039652.D
 Acq: 28 Feb 2019 3:13

Instrument :
 BNA_G
 ClientSampleId :
 EO-01-022619-C

Tgt Ion:244 Resp: 1513551
 Ion Ratio Lower Upper
 244 100
 212 9.3 7.3 10.9
 122 10.1 8.4 12.6

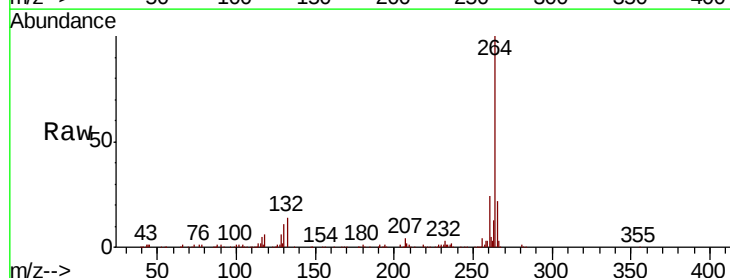


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.20 min Scan# 3764
 Delta R.T. -0.04 min
 Lab File: BG039652.D
 Acq: 28 Feb 2019 3:13

Tgt Ion:264 Resp: 351888
 Ion Ratio Lower Upper
 264 100
 260 24.4 18.2 27.4
 265 22.1 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

