

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022719\
 Data File : BG039650.D
 Acq On : 28 Feb 2019 1:54
 Operator : JU/SJ
 Sample : K1350-12
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Feb 28 07:14:15 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	8.16	152	53502	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	218715	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	138605	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	341121	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	379773	20.00	ng	-0.03
87) Perylene-d12	25.20	264	365671	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	417324	133.50	ng	0.00
7) Phenol-d6	7.31	99	539534	117.25	ng	0.00
23) Nitrobenzene-d5	9.34	82	396723	113.32	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	216045	144.75	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	902552	93.41	ng	-0.02
79) Terphenyl-d14	20.13	244	1513345	84.35	ng	-0.02

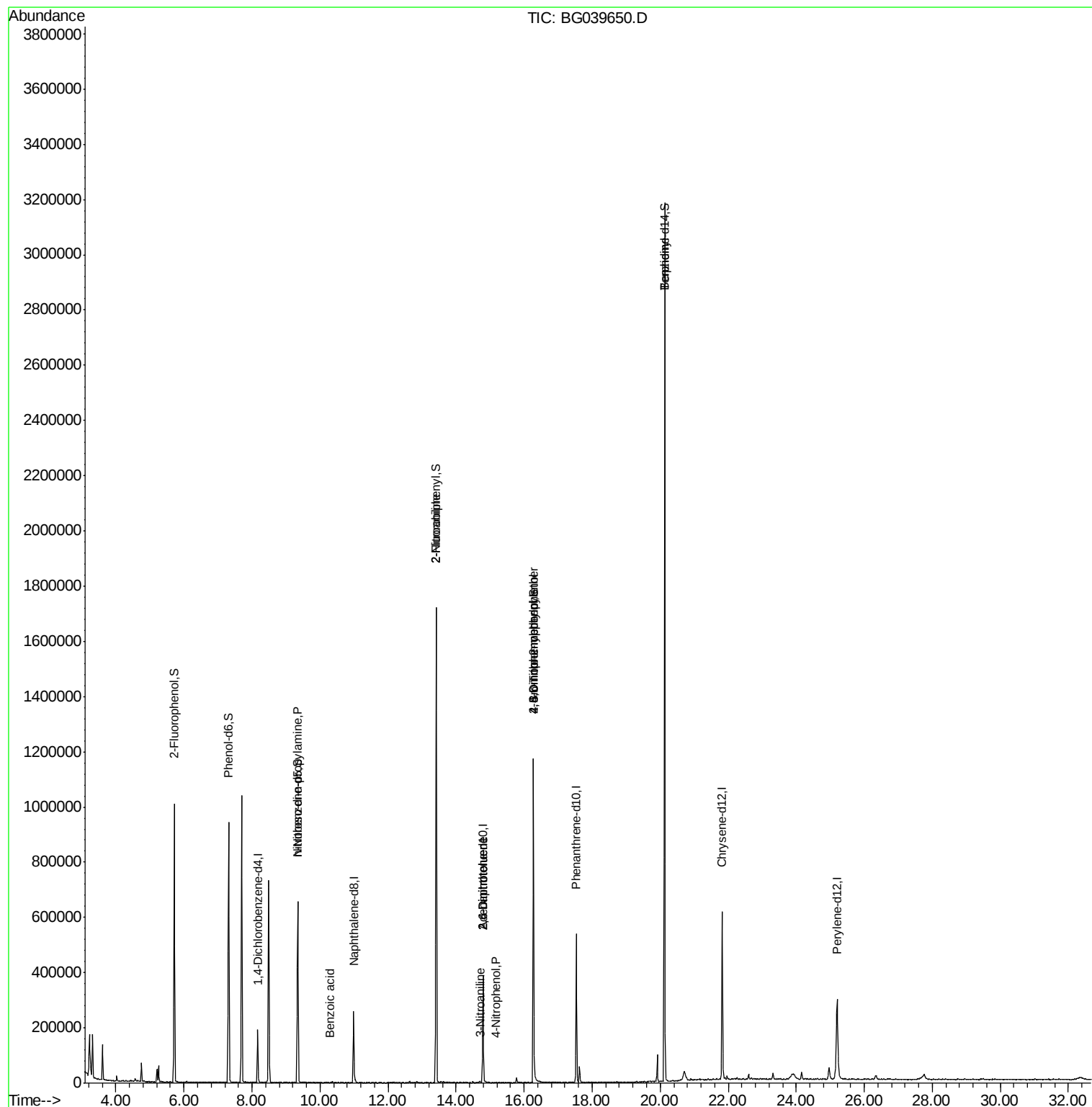
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	838	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	50292	15.399	ng	# 71
32) Benzoic acid	10.27	122	75	9.051	ng	# 1
48) 2-Nitroaniline	13.42	65	1547	8.810	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	17789	13.900	ng	# 22
53) 3-Nitroaniline	14.71	138	65	5.818	ng	# 1
56) 4-Nitrophenol	15.18	139	56	5.819	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	17789	13.381	ng	# 17
65) 4,6-Dinitro-2-methylphenol	16.27	198	705	4.837	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	16972	4.485	ng	# 1
77) Benzidine	20.12	184	26258	2.109	ng	# 92

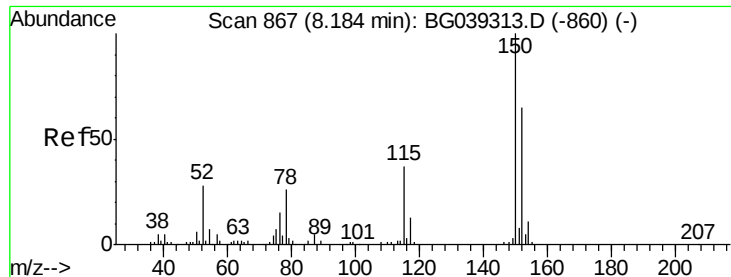
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022719\
Data File : BG039650.D
Acq On : 28 Feb 2019 1:54
Operator : JU/SJ
Sample : K1350-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Feb 28 07:14:15 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



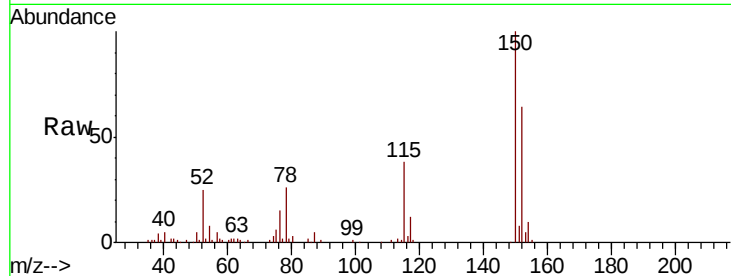


#1

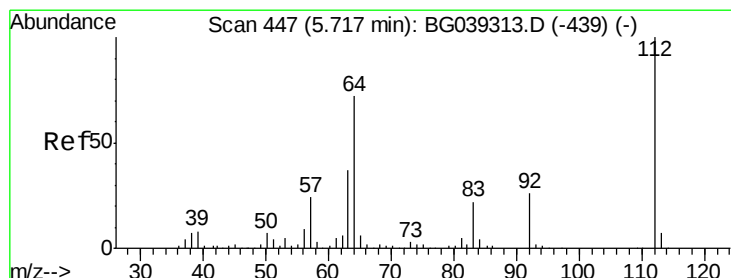
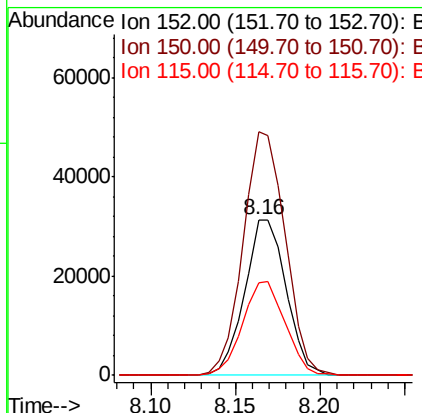
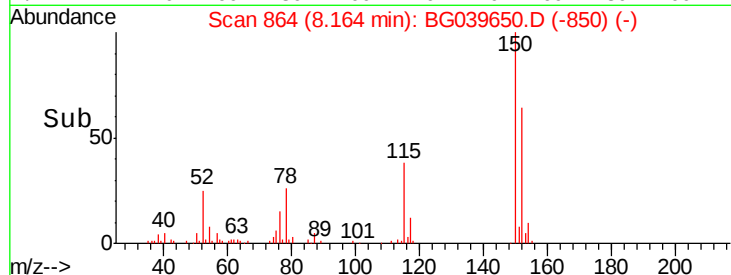
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.02 min
Lab File: BG039650.D
Acq: 28 Feb 2019 1:54

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

Tgt Ion:152 Resp: 53502
Ion Ratio Lower Upper
152 100
150 156.6 123.7 185.5
115 59.7 45.9 68.9



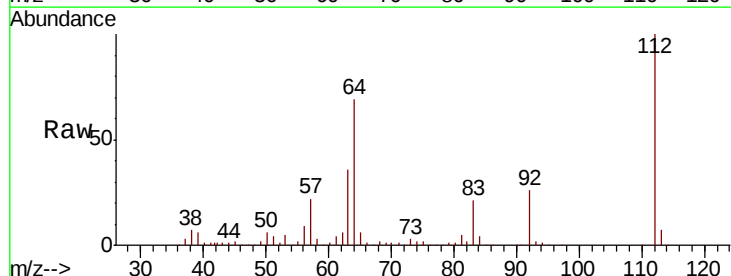
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



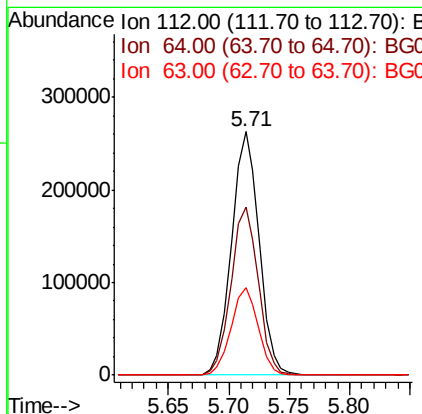
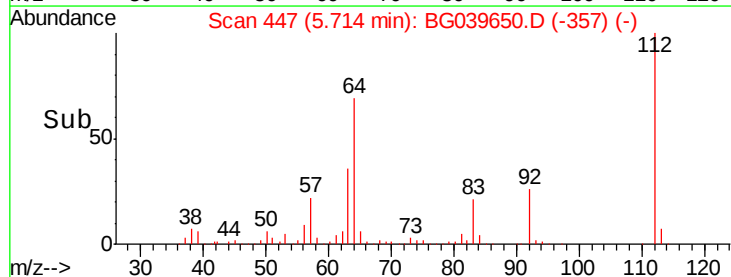
#5

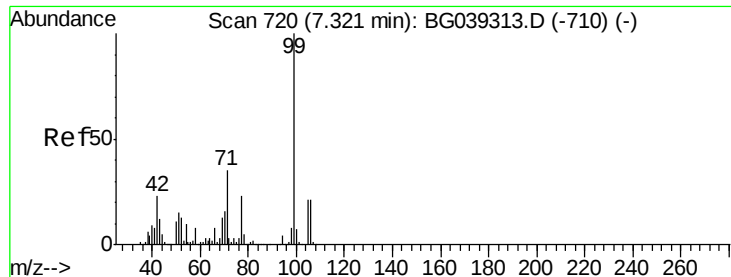
2-Fluorophenol
Concen: 133.500 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039650.D
Acq: 28 Feb 2019 1:54

Tgt Ion:112 Resp: 417324
Ion Ratio Lower Upper
112 100
64 69.1 57.8 86.8
63 36.2 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: 117.254 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039650.D

Acq: 28 Feb 2019 1:54

Instrument :

BNA_G

ClientSampleId :

EO-01-022619-A

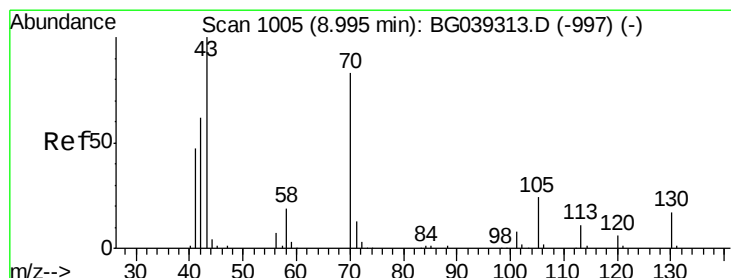
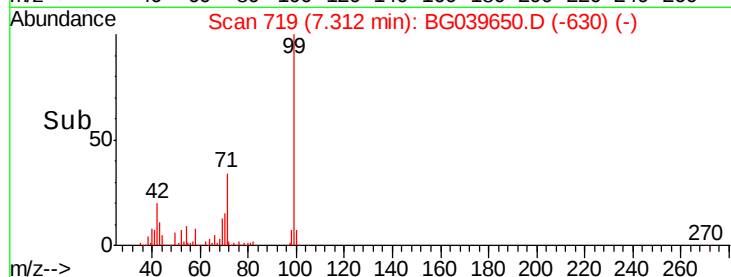
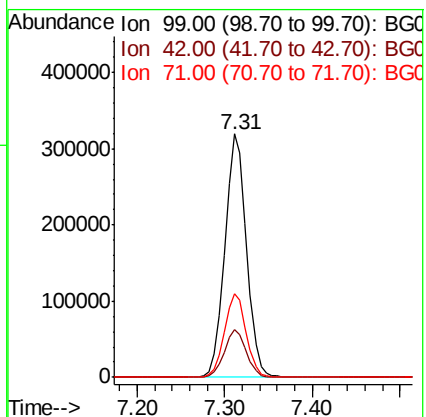
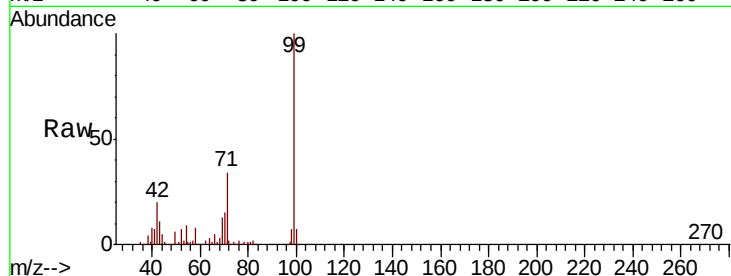
Tgt Ion: 99 Resp: 539534

Ion Ratio Lower Upper

99 100

42 19.9 18.2 27.2

71 34.4 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.399 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039650.D

Acq: 28 Feb 2019 1:54

Tgt Ion: 70 Resp: 50292

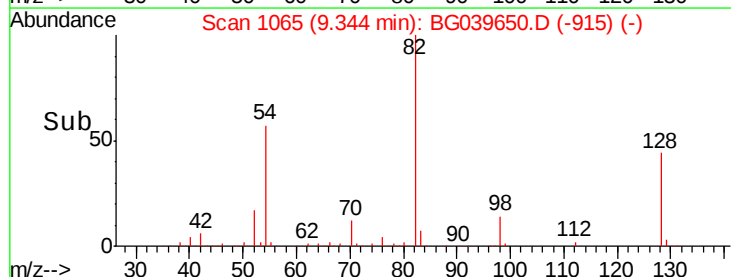
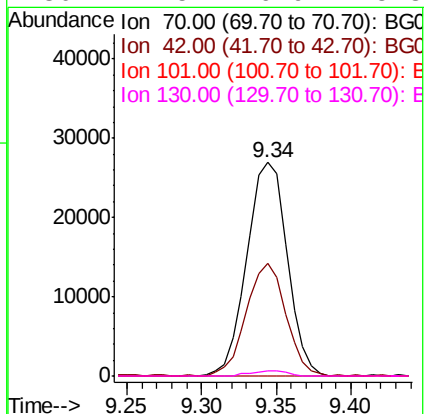
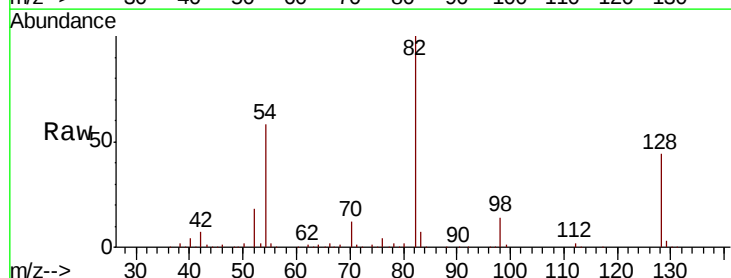
Ion Ratio Lower Upper

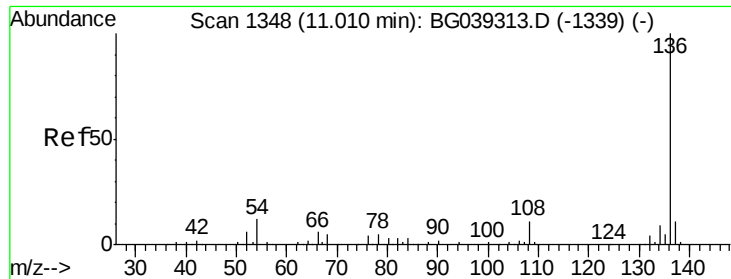
70 100

42 53.0 60.4 90.6#

101 0.0 7.5 11.3#

130 2.5 16.9 25.3#

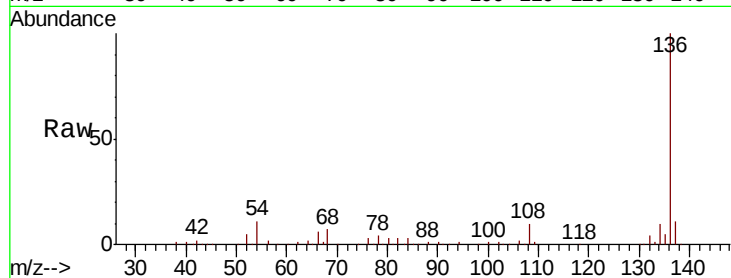




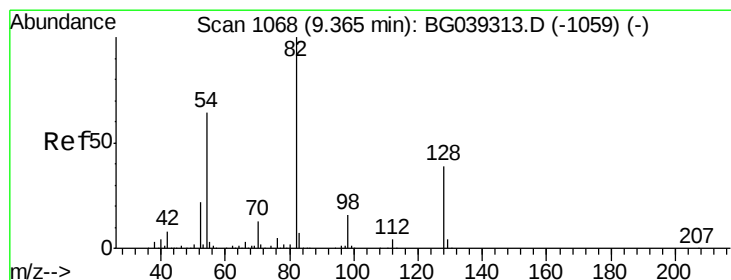
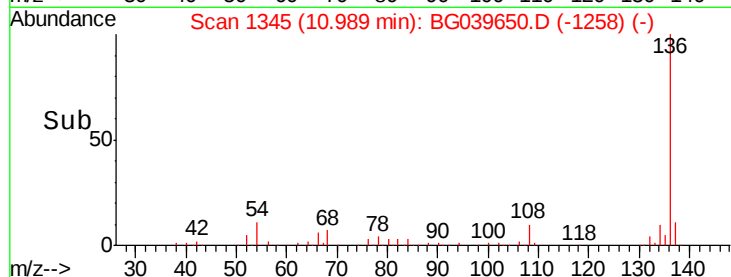
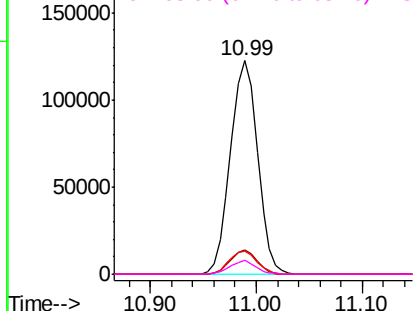
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039650.D
Acq: 28 Feb 2019 1:54

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

Tgt Ion:	136	Resp:	218715
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	10.9	9.4	14.2
68	6.7	4.2	6.4#

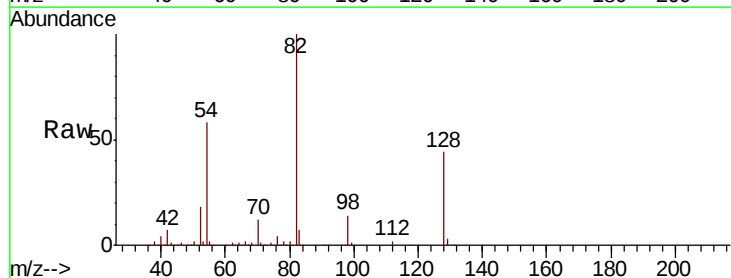


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

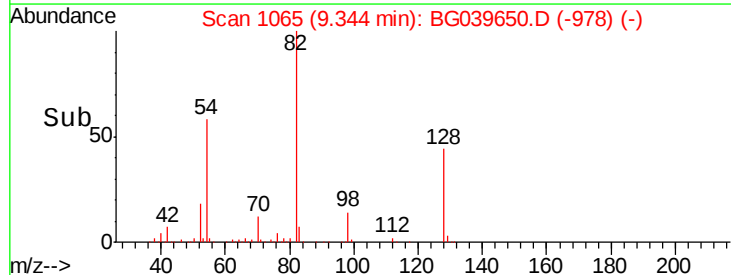
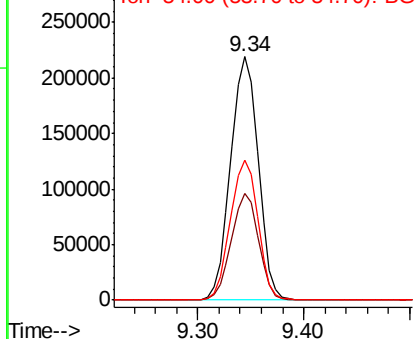


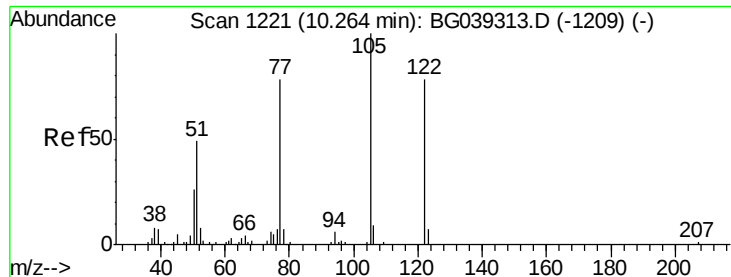
#23
Nitrobenzene-d5
Concen: 113.316 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039650.D
Acq: 28 Feb 2019 1:54

Tgt Ion:	82	Resp:	396723
Ion	Ratio	Lower	Upper
82	100		
128	43.8	31.3	46.9
54	57.6	50.9	76.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

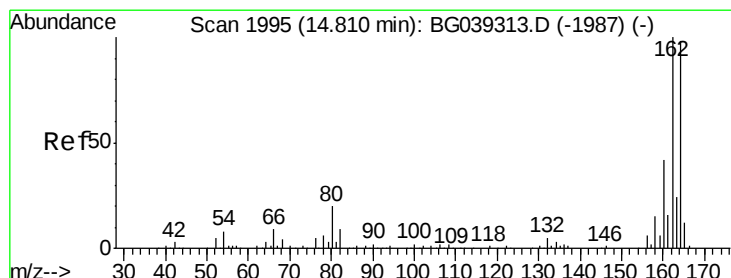
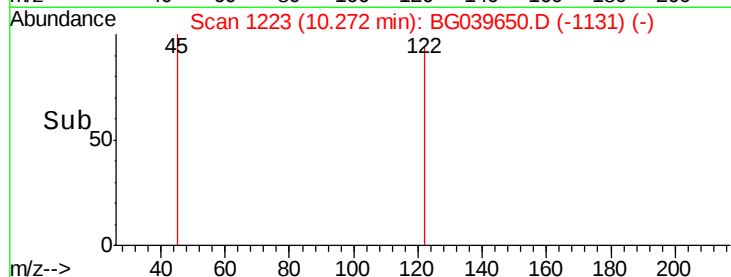
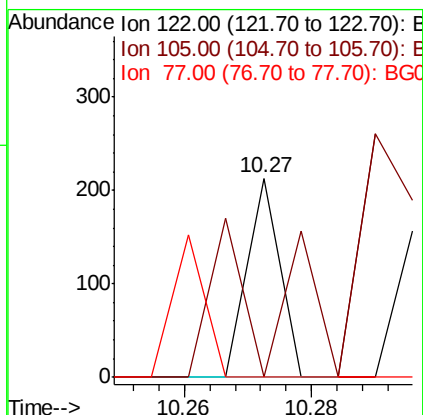
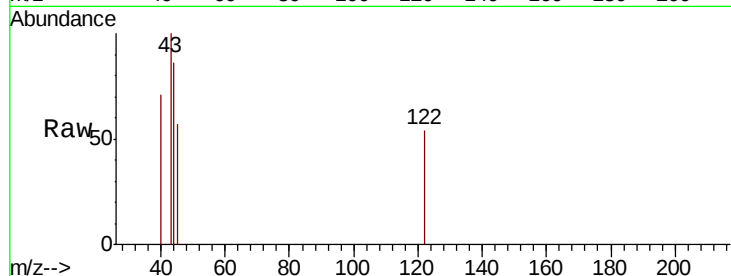




#32
Benzoic acid
Concen: 9.051 ng
RT: 10.27 min Scan# 1223
Delta R.T. 0.01 min
Lab File: BG039650.D
Acq: 28 Feb 2019 1:54

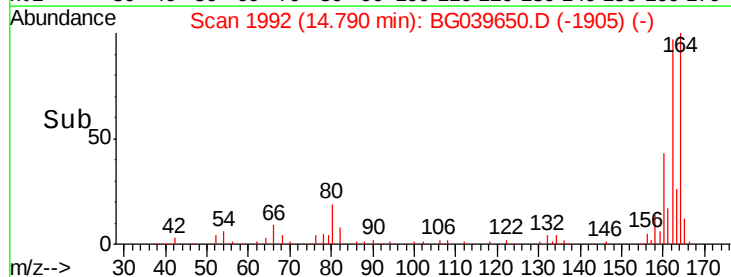
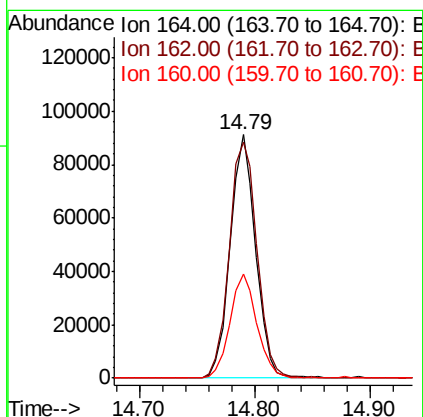
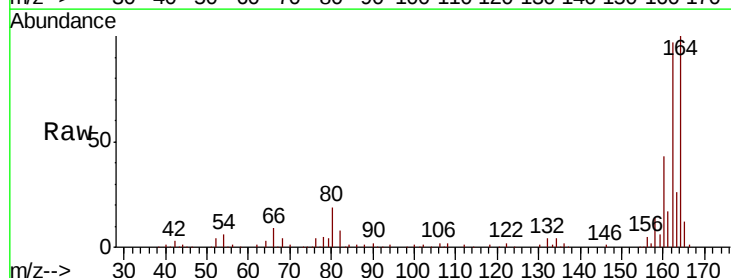
Instrument :
BNA_G
ClientSampleId :
EO-01-022619-A

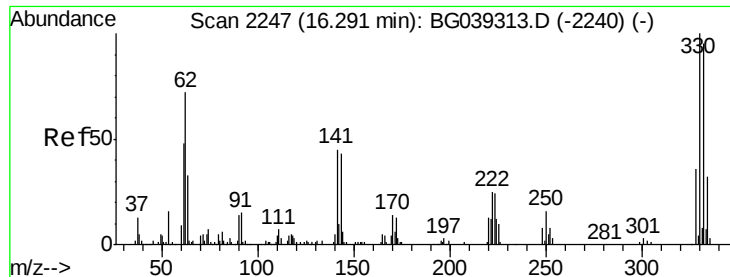
Tgt Ion:122 Resp: 75
Ion Ratio Lower Upper
122 100
105 0.0 101.8 141.8#
77 0.0 76.3 116.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BG039650.D
Acq: 28 Feb 2019 1:54

Tgt Ion:164 Resp: 138605
Ion Ratio Lower Upper
164 100
162 97.1 81.6 122.4
160 42.5 34.2 51.2

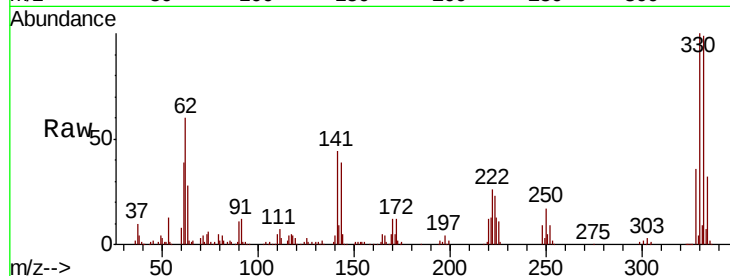




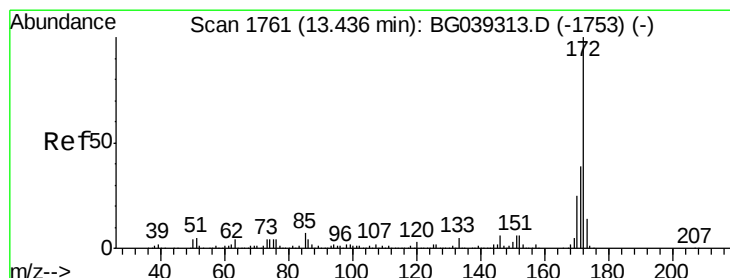
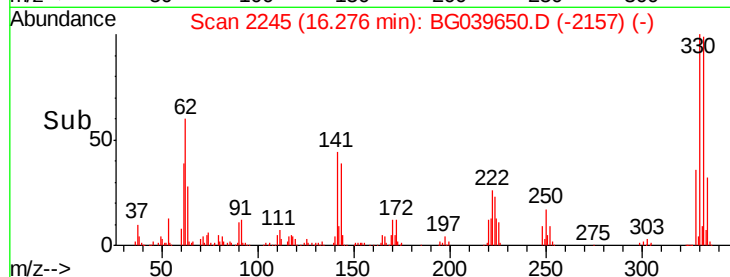
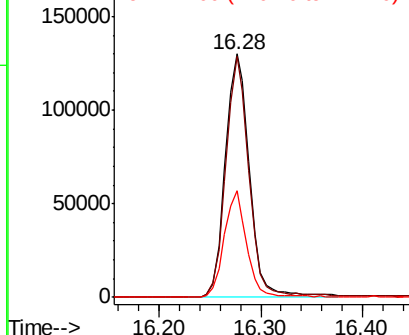
#42
 2,4,6-Tribromophenol
 Concen: 144.750 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.01 min
 Lab File: BG039650.D
 Acq: 28 Feb 2019 1:54

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

Tgt Ion:330 Resp: 216045
 Ion Ratio Lower Upper
 330 100
 332 94.9 75.7 113.5
 141 41.2 35.6 53.4

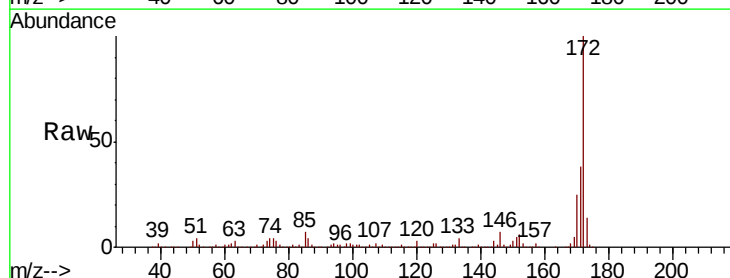


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

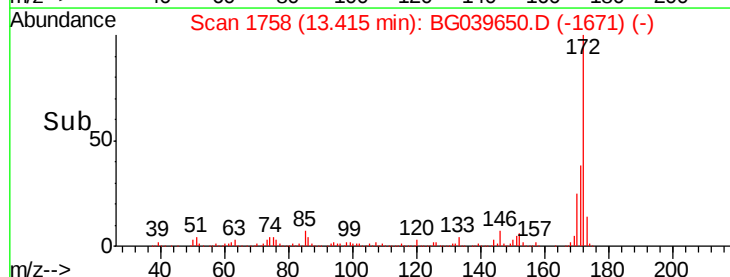
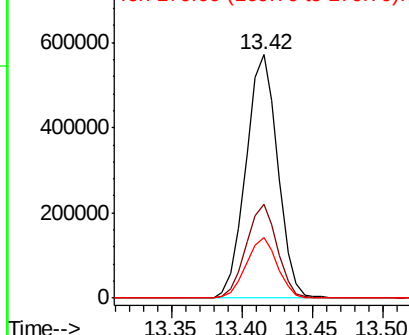


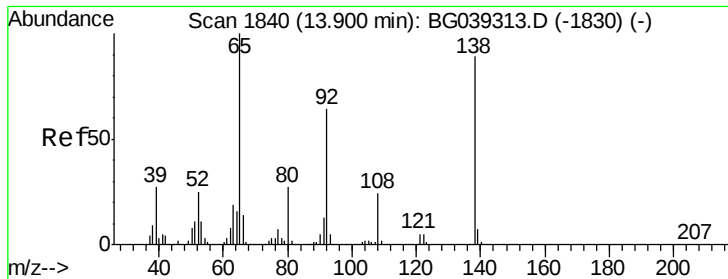
#45
 2-Fluorobiphenyl
 Concen: 93.413 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039650.D
 Acq: 28 Feb 2019 1:54

Tgt Ion:172 Resp: 902552
 Ion Ratio Lower Upper
 172 100
 171 38.4 30.8 46.2
 170 24.8 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: 8.810 ng

RT: 13.42 min Scan# 1758

Delta R.T. -0.48 min

Lab File: BG039650.D

Acq: 28 Feb 2019 1:54

Instrument :

BNA_G

ClientSampleId :

EO-01-022619-A

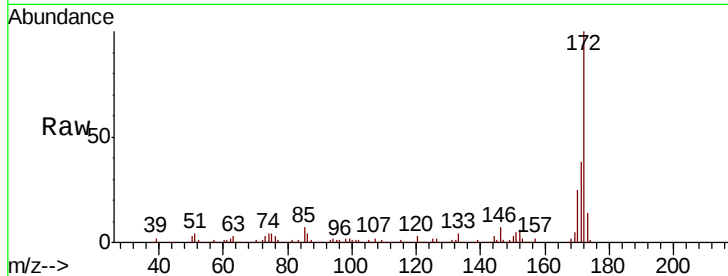
Tgt Ion: 65 Resp: 1547

Ion Ratio Lower Upper

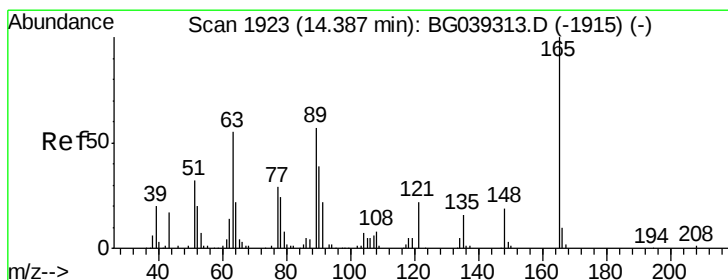
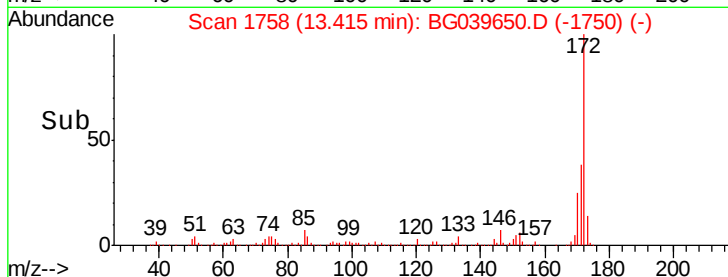
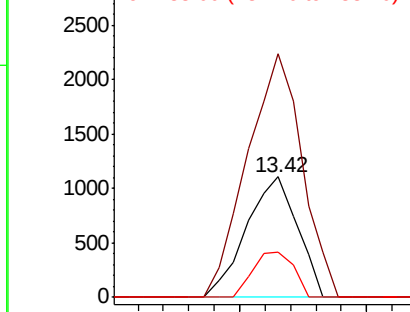
65 100

92 202.0 51.4 77.2#

138 37.0 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



#51

2,6-Dinitrotoluene

Concen: 13.900 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039650.D

Acq: 28 Feb 2019 1:54

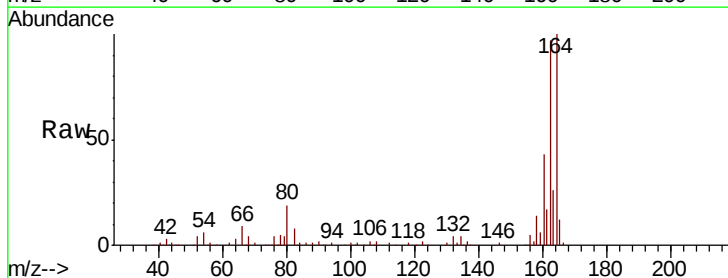
Tgt Ion: 165 Resp: 17789

Ion Ratio Lower Upper

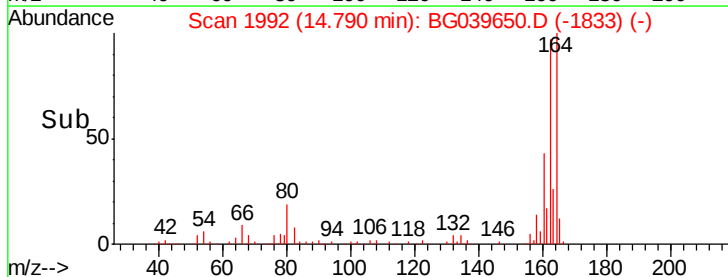
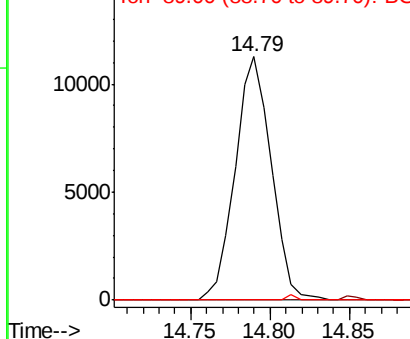
165 100

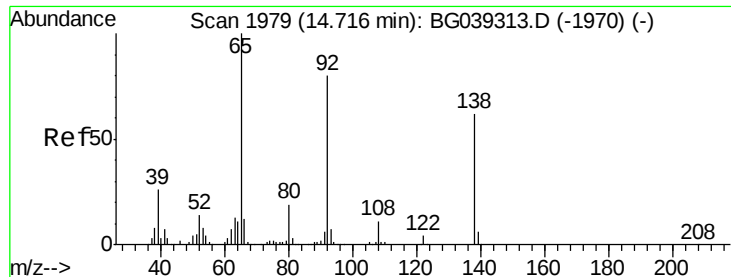
63 0.0 47.0 70.6#

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

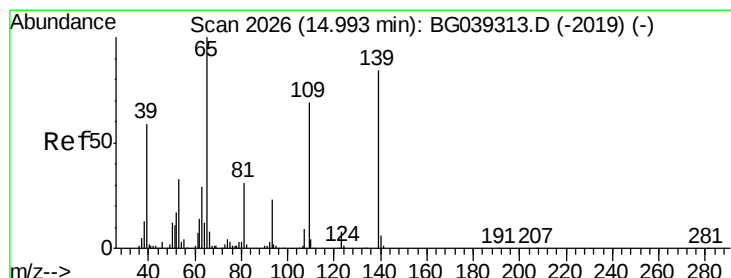
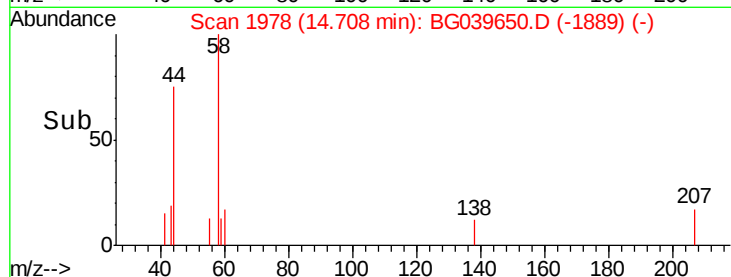
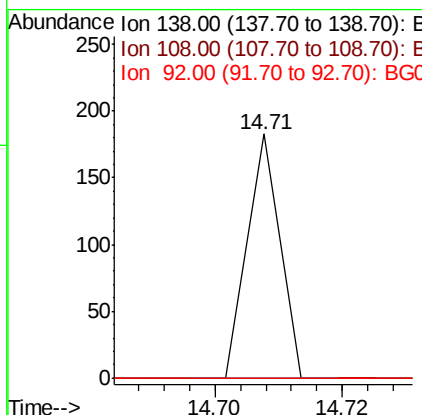
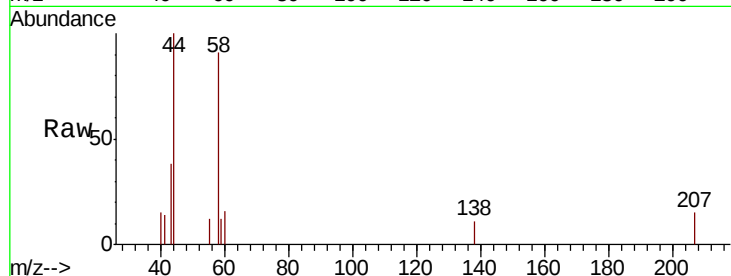




#53
3-Nitroaniline
Concen: 5.818 ng
RT: 14.71 min Scan# 1978
Delta R.T. -0.01 min
Lab File: BG039650.D
Acq: 28 Feb 2019 1:54

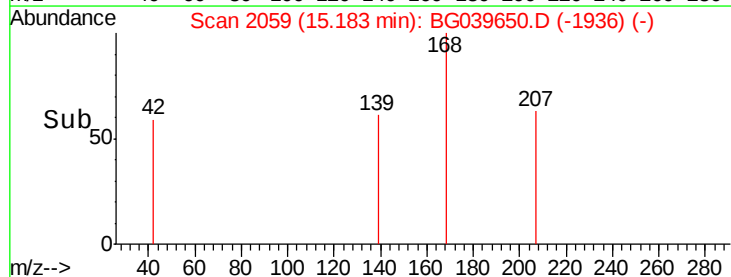
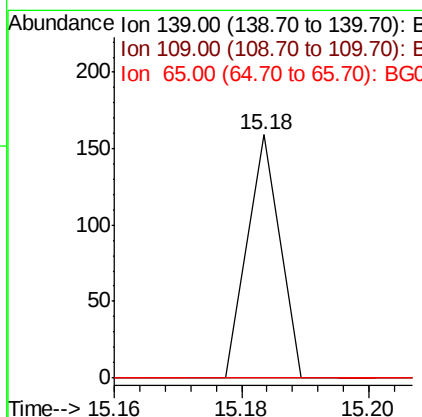
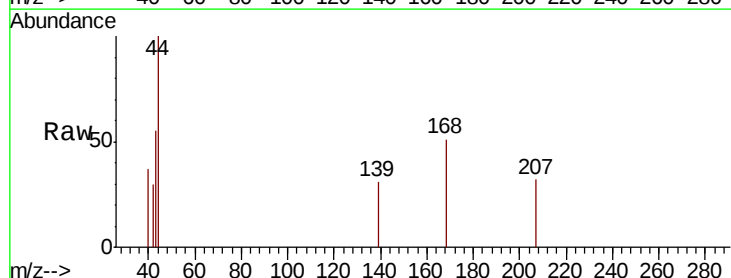
Instrument :
BNA_G
ClientSampleId :
EO-01-022619-A

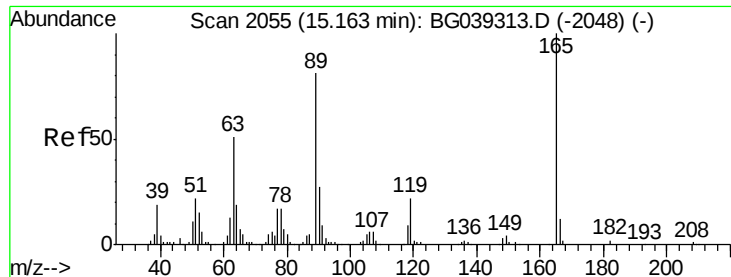
Tgt Ion	Ratio	Lower	Upper
138	100		
108	0.0	13.8	20.8#
92	0.0	103.7	155.5#



#56
4-Nitrophenol
Concen: 5.819 ng
RT: 15.18 min Scan# 2059
Delta R.T. 0.19 min
Lab File: BG039650.D
Acq: 28 Feb 2019 1:54

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

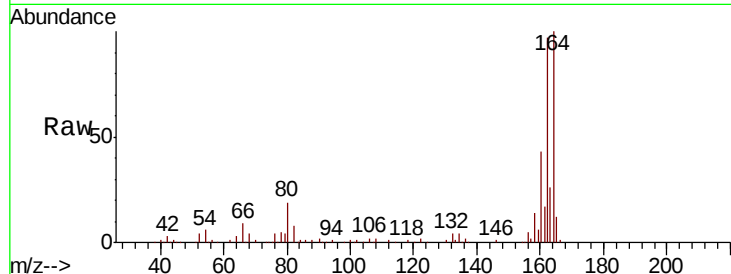




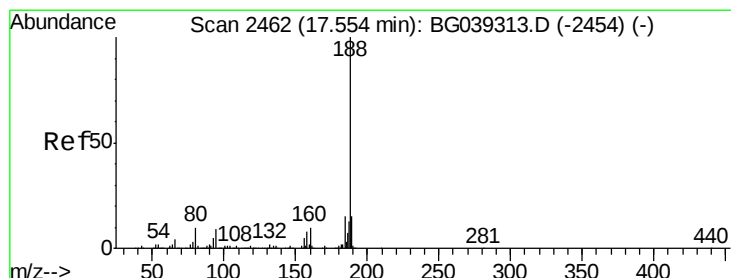
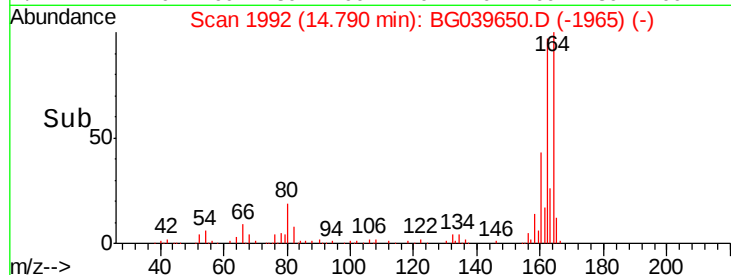
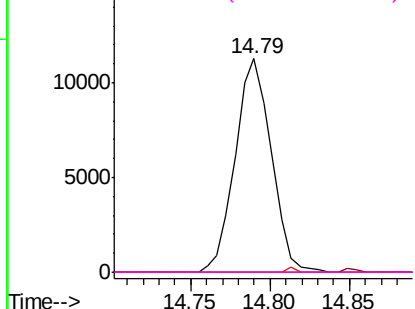
#57
 2,4-Dinitrotoluene
 Concen: 13.381 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.37 min
 Lab File: BG039650.D
 Acq: 28 Feb 2019 1:54

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

Tgt Ion:165 Resp: 17789
 Ion Ratio Lower Upper
 165 100
 63 0.0 41.0 61.6#
 89 0.0 64.6 96.8#
 182 0.0 2.0 3.0#

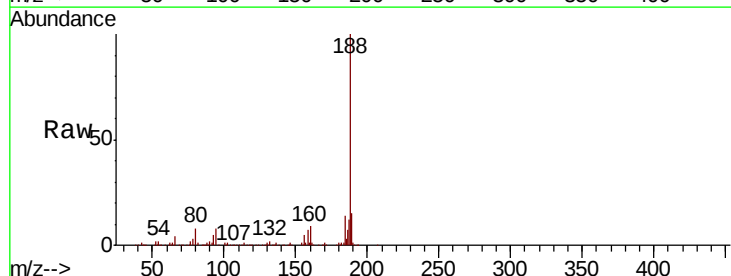


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

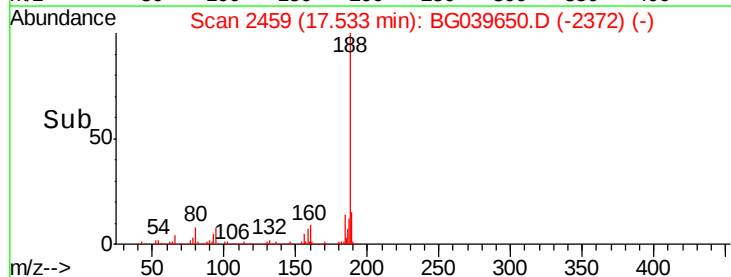
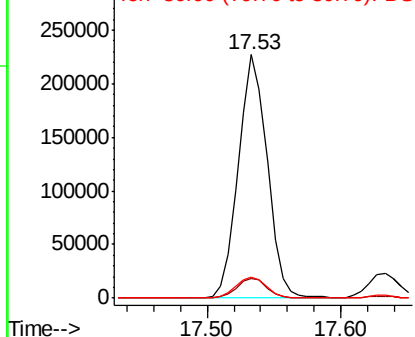


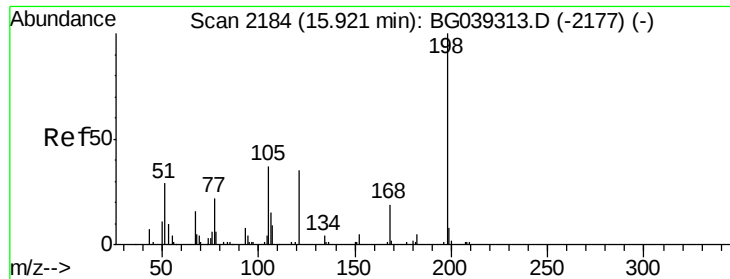
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.53 min Scan# 2459
 Delta R.T. -0.02 min
 Lab File: BG039650.D
 Acq: 28 Feb 2019 1:54

Tgt Ion:188 Resp: 341121
 Ion Ratio Lower Upper
 188 100
 94 8.0 6.9 10.3
 80 8.4 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

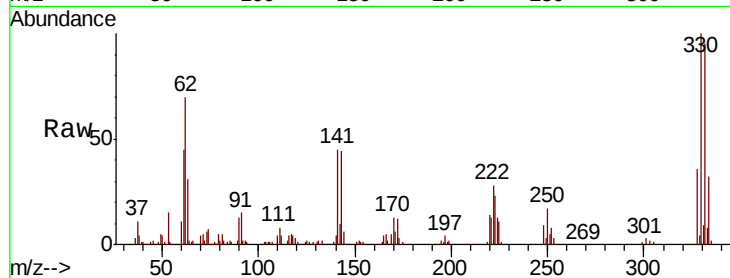




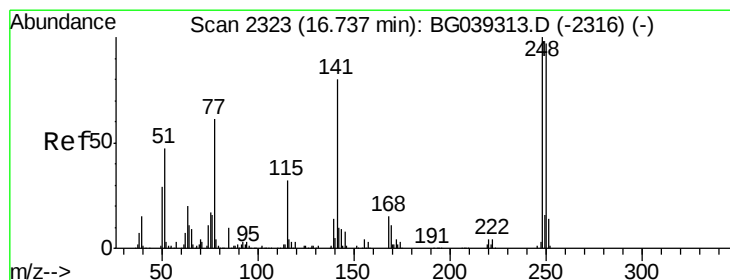
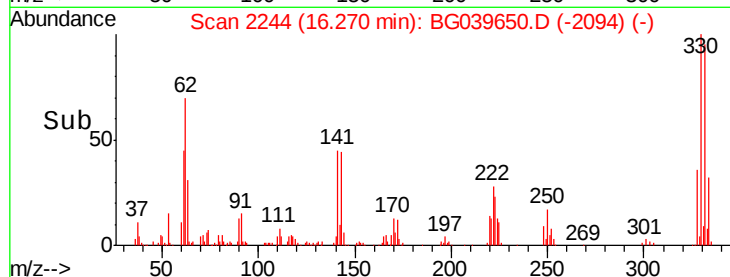
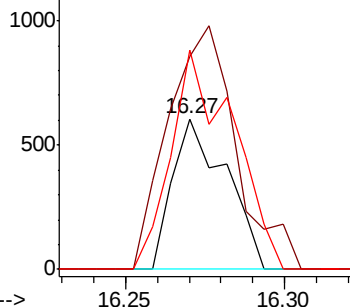
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.837 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. 0.35 min
 Lab File: BG039650.D
 Acq: 28 Feb 2019 1:54

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

Tgt Ion:198 Resp: 705
 Ion Ratio Lower Upper
 198 100
 51 142.0 27.4 67.4#
 105 146.3 19.7 59.7#

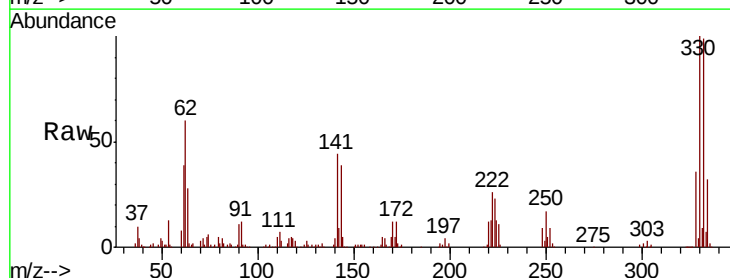


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

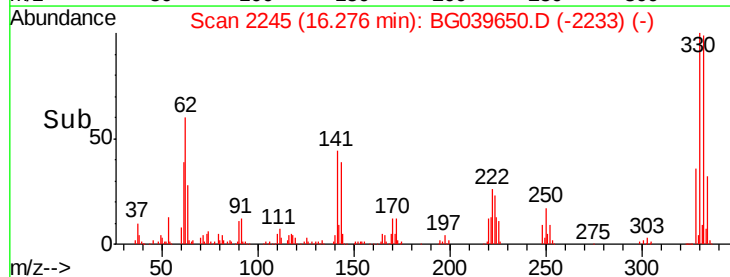
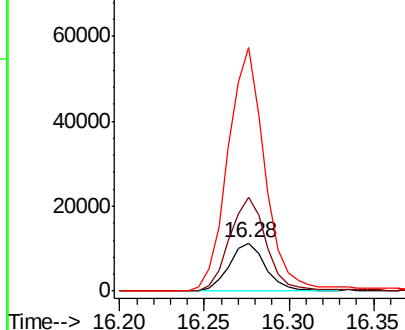


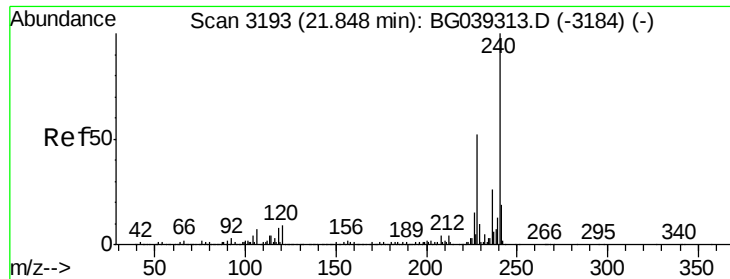
#67
 4-Bromophenyl-phenylether
 Concen: 4.485 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039650.D
 Acq: 28 Feb 2019 1:54

Tgt Ion:248 Resp: 16972
 Ion Ratio Lower Upper
 248 100
 250 195.6 77.6 116.4#
 141 509.5 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

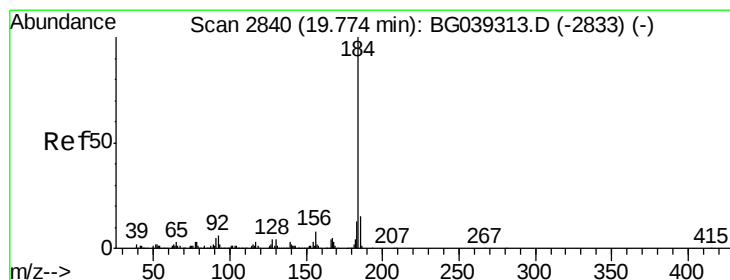
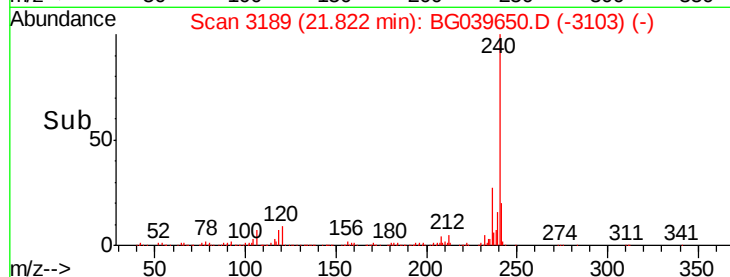
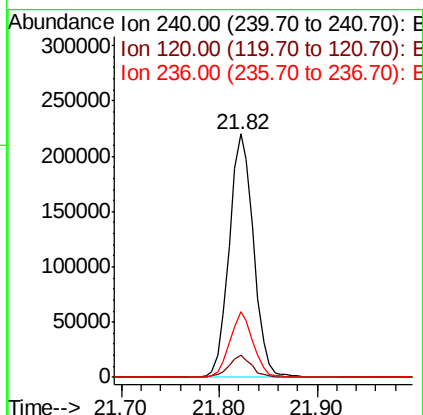
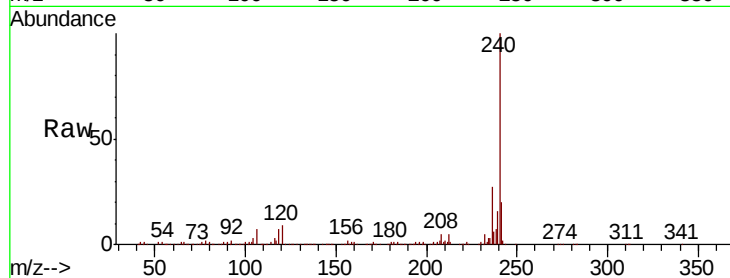




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.03 min
 Lab File: BG039650.D
 Acq: 28 Feb 2019 1:54

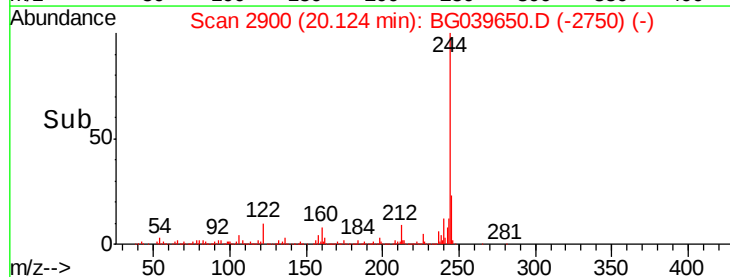
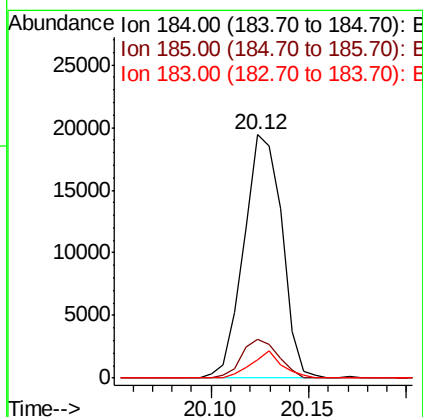
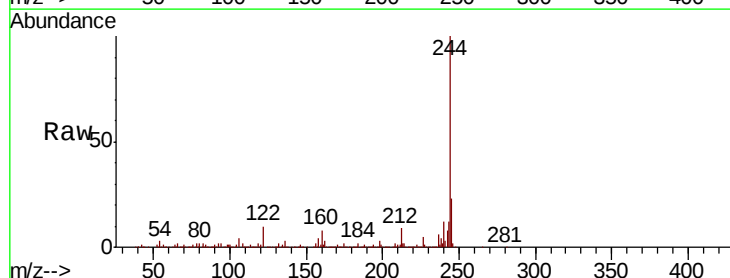
Instrument :
 BNA_G
 ClientSampleId :
 EO-01-022619-A

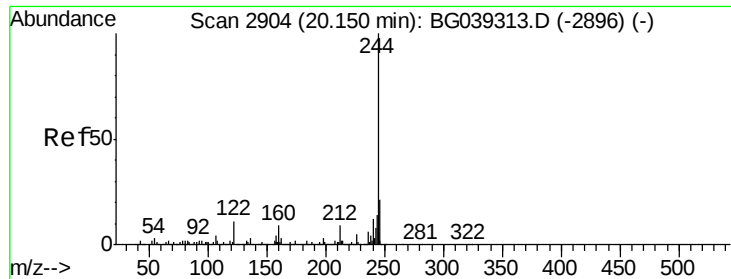
Tgt Ion: 240 Resp: 379773
 Ion Ratio Lower Upper
 240 100
 120 9.1 7.0 10.6
 236 27.2 21.0 31.4



#77
 Benzidine
 Concen: 2.109 ng
 RT: 20.12 min Scan# 2900
 Delta R.T. 0.35 min
 Lab File: BG039650.D
 Acq: 28 Feb 2019 1:54

Tgt Ion: 184 Resp: 26258
 Ion Ratio Lower Upper
 184 100
 185 16.0 12.2 18.2
 183 7.4 10.6 15.8#





#79

Terphenyl-d14

Concen: 84.347 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039650.D

Acq: 28 Feb 2019 1:54

Instrument :

BNA_G

ClientSampleId :

EO-01-022619-A

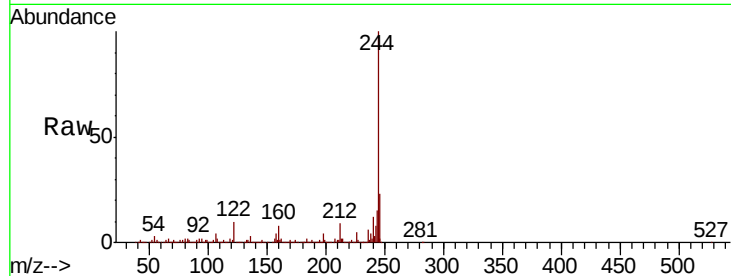
Tgt Ion:244 Resp: 1513345

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

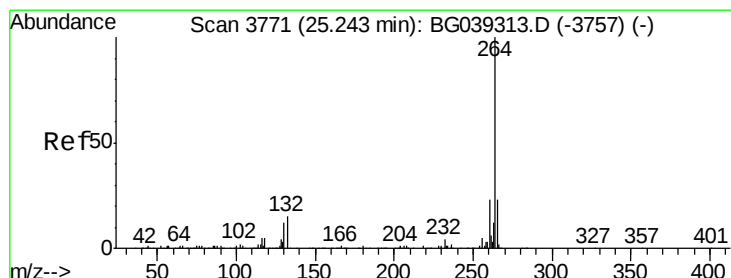
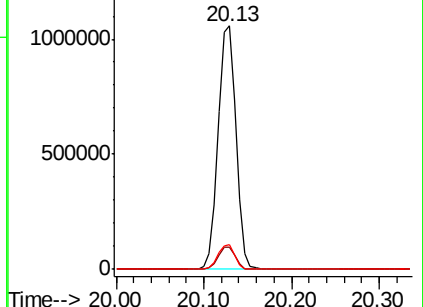
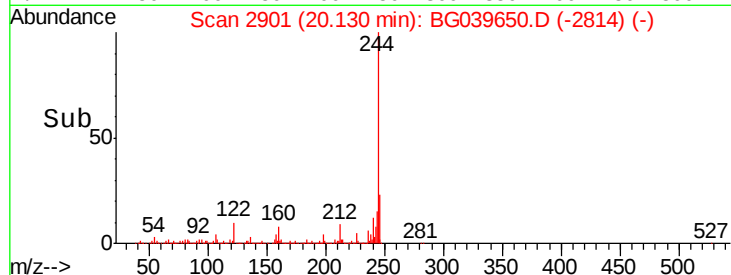
122 10.0 8.4 12.6



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: BG039650.D

Acq: 28 Feb 2019 1:54

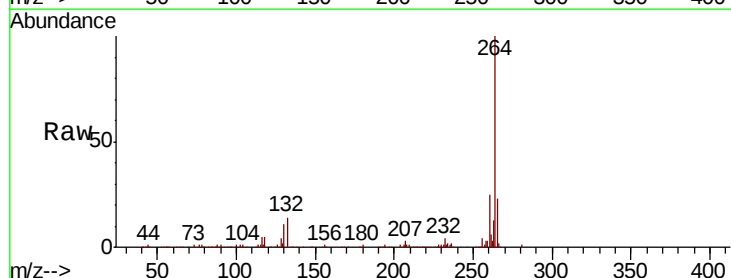
Tgt Ion:264 Resp: 365671

Ion Ratio Lower Upper

264 100

260 25.0 18.2 27.4

265 22.8 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

