

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022719\
 Data File : BG039651.D
 Acq On : 28 Feb 2019 2:33
 Operator : JU/SJ
 Sample : K1350-14
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Feb 28 07:14:26 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	55316	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	223453	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	140976	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	356694	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	391794	20.00	ng	-0.02
87) Perylene-d12	25.20	264	381008	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	434751	134.51	ng	0.00
7) Phenol-d6	7.31	99	553296	116.30	ng	0.00
23) Nitrobenzene-d5	9.35	82	404761	113.16	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	220161	145.03	ng	-0.01
45) 2-Fluorobiphenyl	13.41	172	942178	95.87	ng	-0.02
79) Terphenyl-d14	20.13	244	1551592	83.83	ng	-0.02

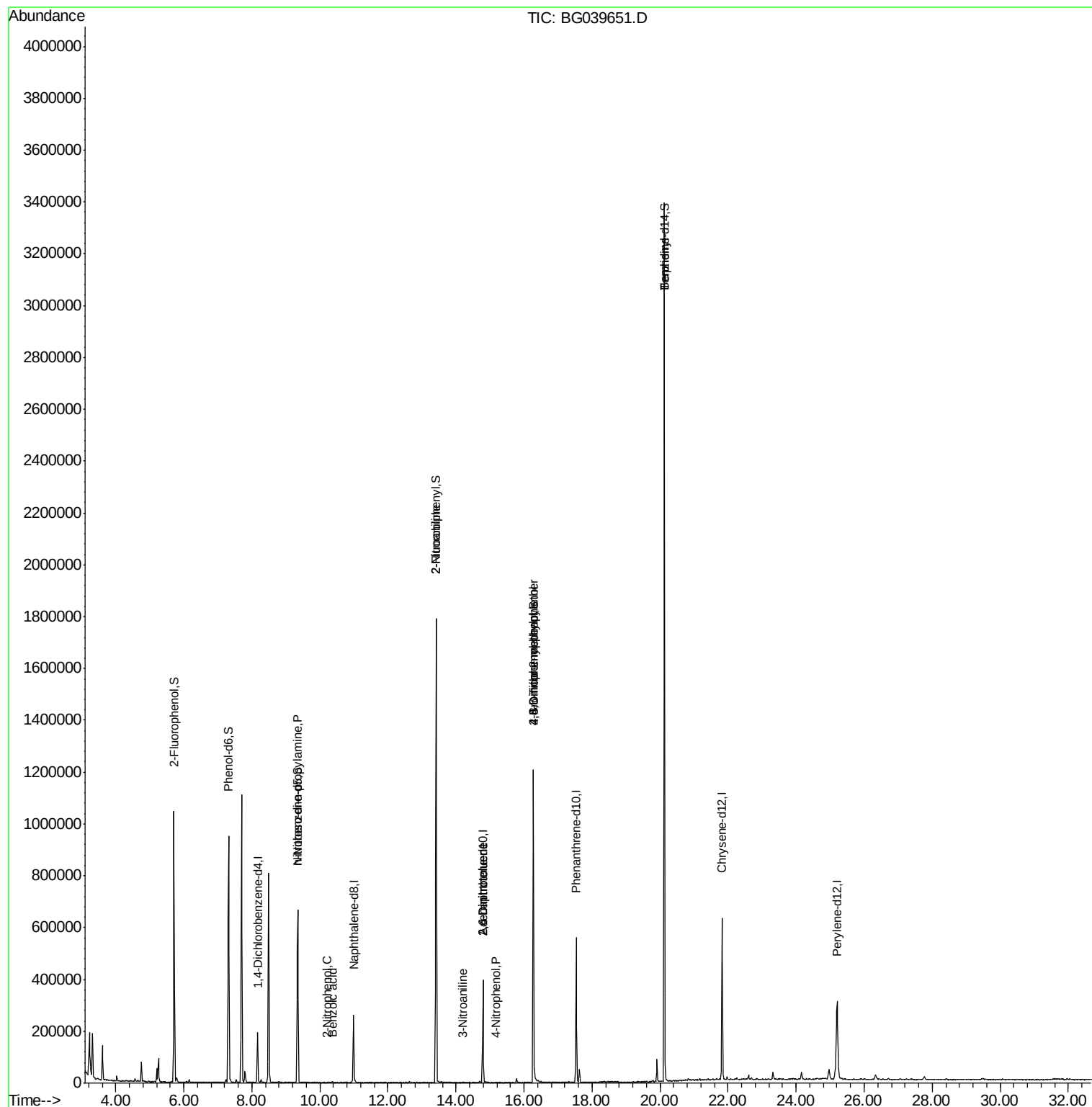
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1494	Below Cal		# 39
19) n-Nitroso-di-n-propylamine	9.35	70	53636	15.884	ng	# 66
26) 2-Nitrophenol	10.22	139	73	4.062	ng	# 31
32) Benzoic acid	10.38	122	71	9.048	ng	# 1
48) 2-Nitroaniline	13.41	65	1644	8.833	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	17250	13.558	ng	# 24
53) 3-Nitroaniline	14.20	138	56	5.814	ng	# 1
56) 4-Nitrophenol	15.18	139	60	5.821	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	17250	13.122	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.27	198	770	4.867	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	16891	4.269	ng	# 1
77) Benzidine	20.13	184	27158	2.114	ng	# 94

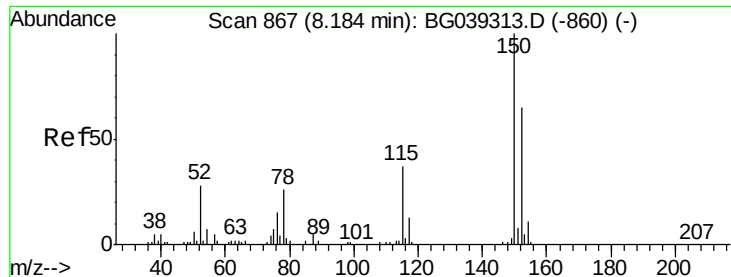
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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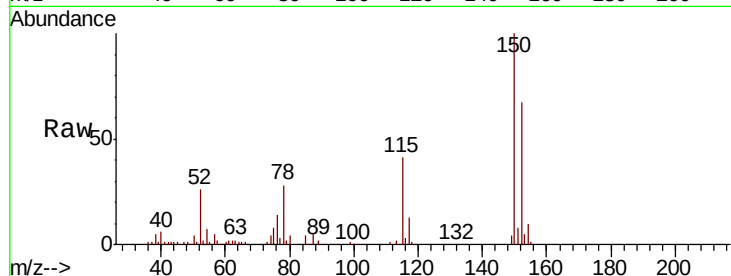


#1

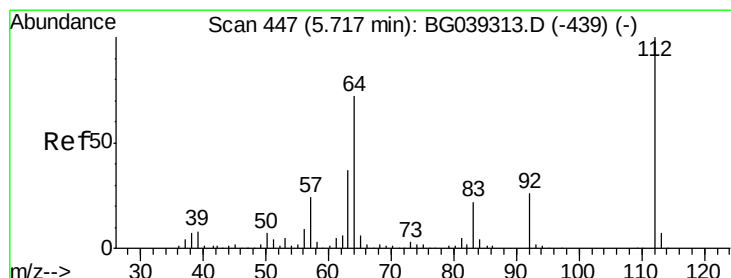
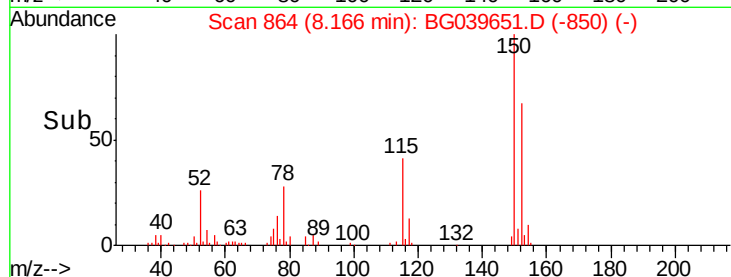
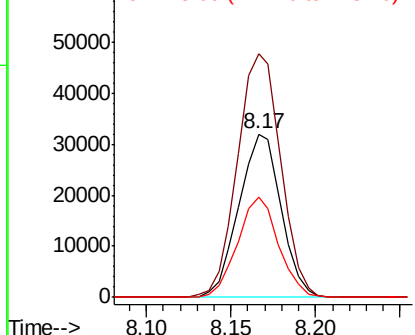
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 864
Delta R.T. -0.02 min
Lab File: BG039651.D
Acq: 28 Feb 2019 2:33

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

Tgt Ion:152 Resp: 55316
Ion Ratio Lower Upper
152 100
150 149.2 123.7 185.5
115 61.2 45.9 68.9



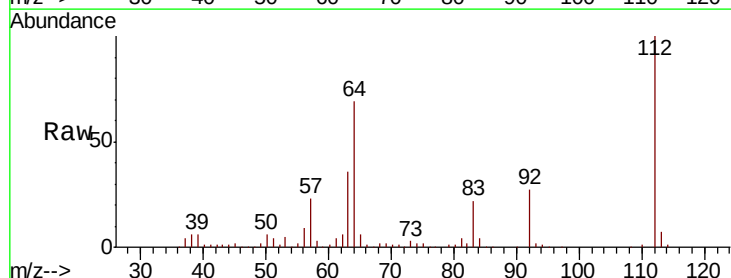
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



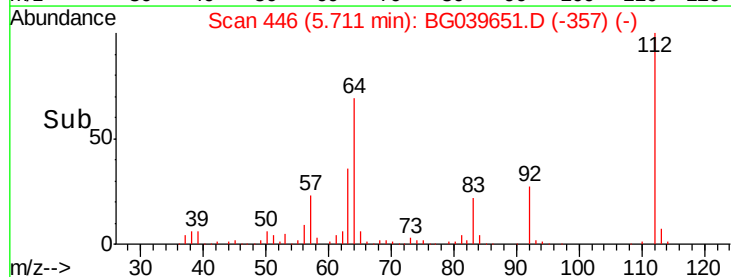
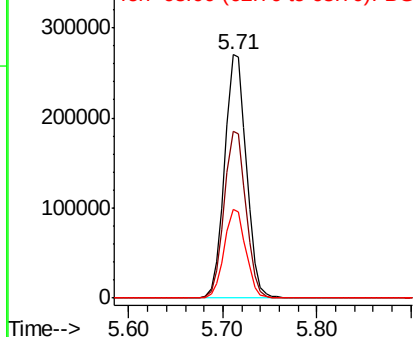
#5

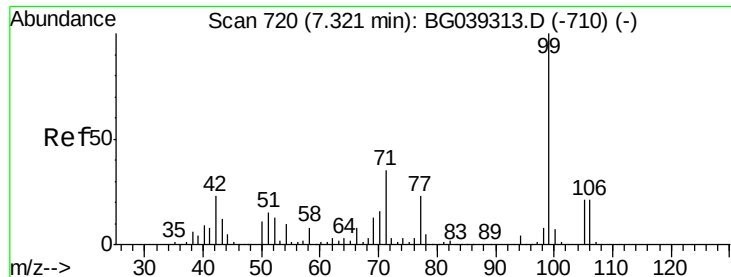
2-Fluorophenol
Concen: 134.514 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039651.D
Acq: 28 Feb 2019 2:33

Tgt Ion:112 Resp: 434751
Ion Ratio Lower Upper
112 100
64 68.7 57.8 86.8
63 36.3 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: 116.302 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039651.D

Acq: 28 Feb 2019 2:33

Instrument :

BNA_G

ClientSampleId :

EO-01-022619-B

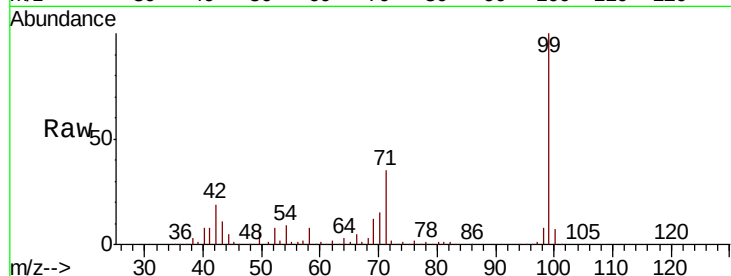
Tgt Ion: 99 Resp: 553296

Ion Ratio Lower Upper

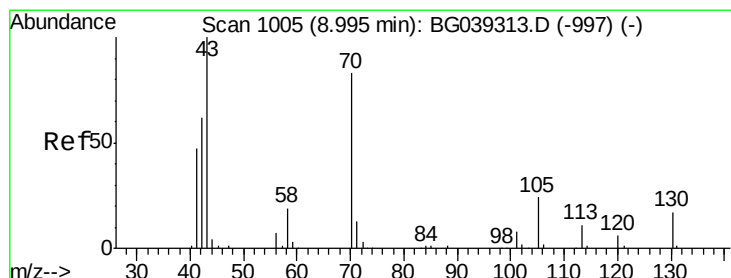
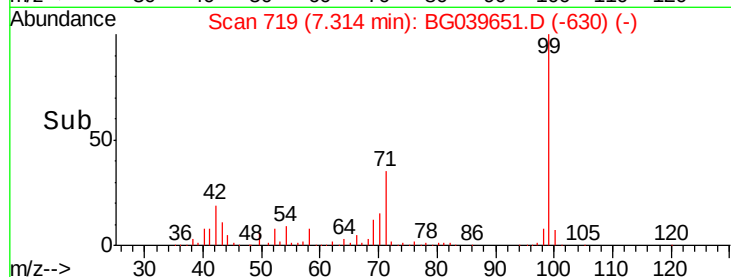
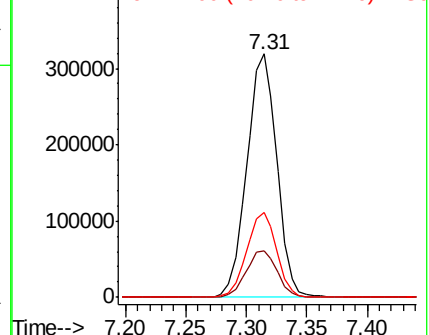
99 100

42 19.3 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: 15.884 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039651.D

Acq: 28 Feb 2019 2:33

Tgt Ion: 70 Resp: 53636

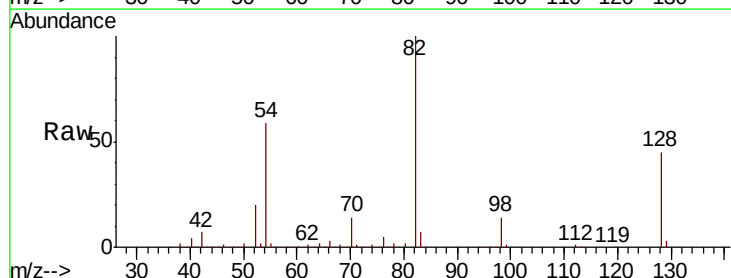
Ion Ratio Lower Upper

70 100

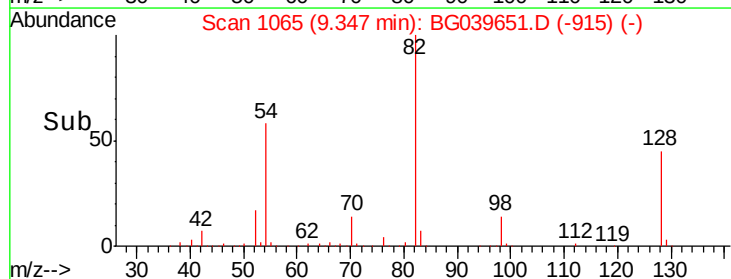
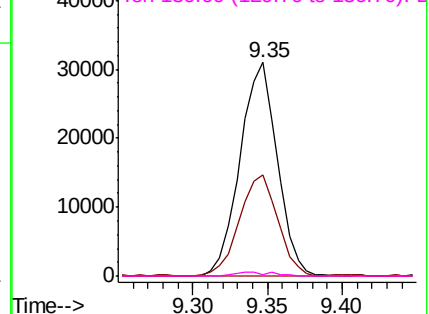
42 47.4 60.4 90.6#

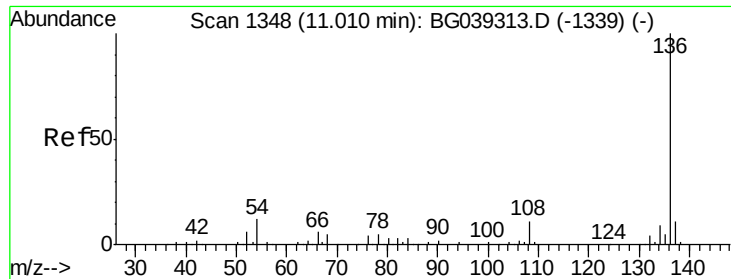
101 0.0 7.5 11.3#

130 0.8 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

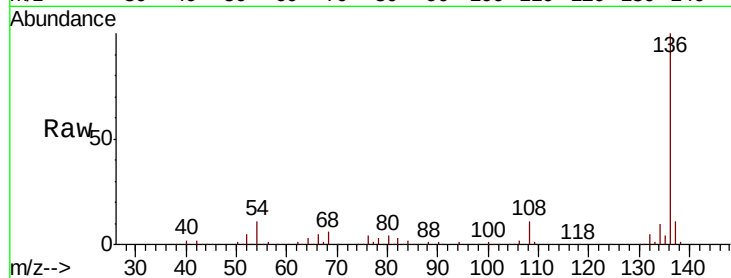




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1344
Delta R.T. -0.02 min
Lab File: BG039651.D
Acq: 28 Feb 2019 2:33

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

Tgt Ion:	136	Resp:	223453
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	11.0	9.4	14.2
68	6.2	4.2	6.4



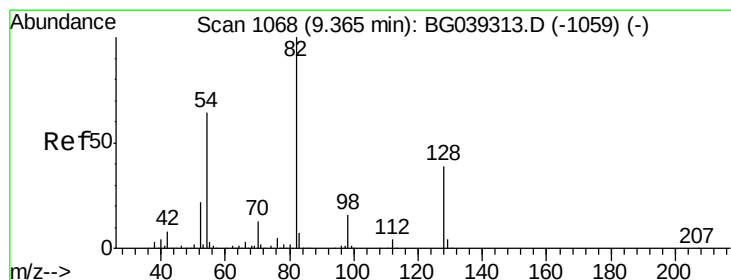
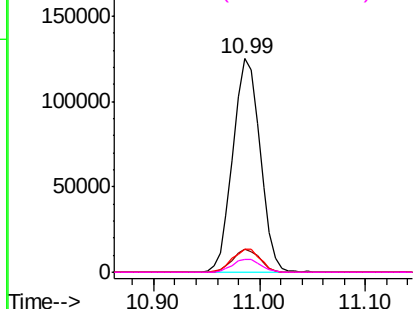
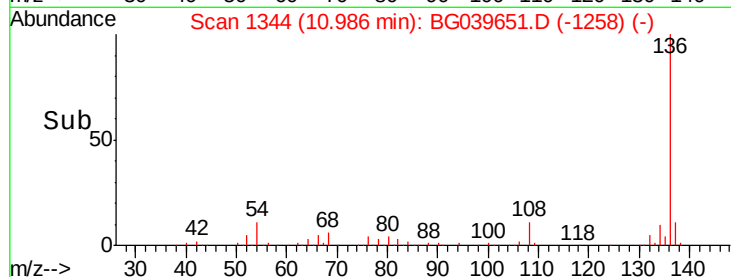
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

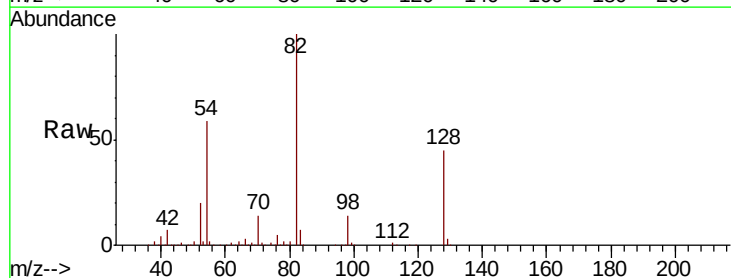
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 113.161 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039651.D
Acq: 28 Feb 2019 2:33

Tgt Ion:	82	Resp:	404761
Ion	Ratio	Lower	Upper
82	100		
128	45.0	31.3	46.9
54	58.8	50.9	76.3

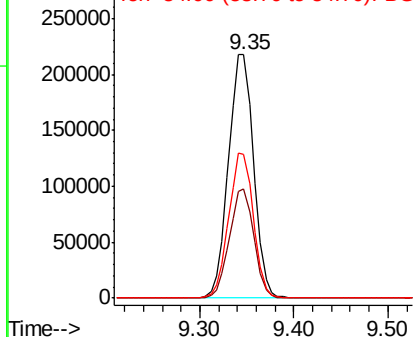
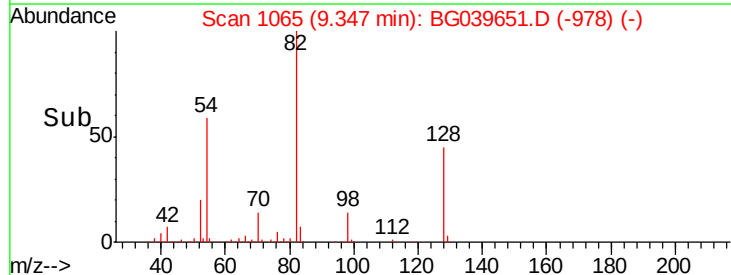


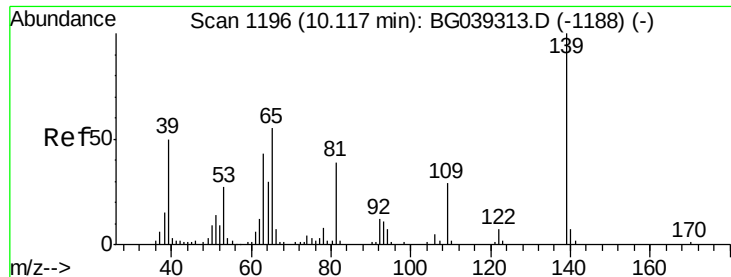
Abundance

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

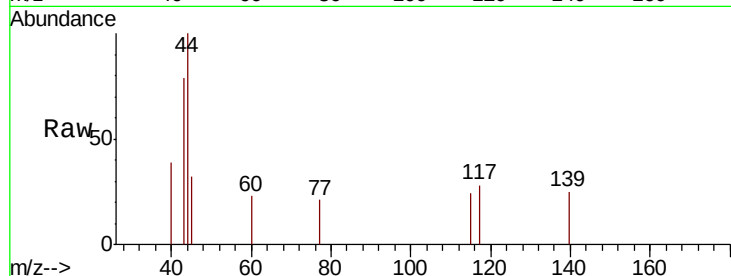




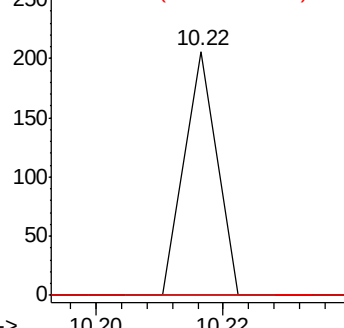
#26
2-Nitrophenol
Concen: 4.062 ng
RT: 10.22 min Scan# 1213
Delta R.T. 0.10 min
Lab File: BG039651.D
Acq: 28 Feb 2019 2:33

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

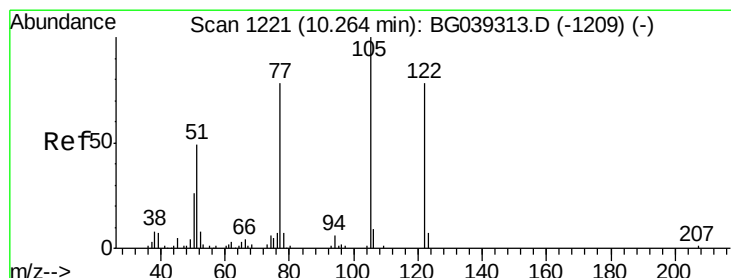
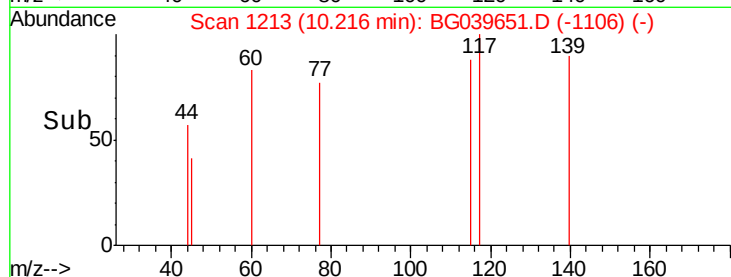
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	23.4	35.0#
65	0.0	44.3	66.5#



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

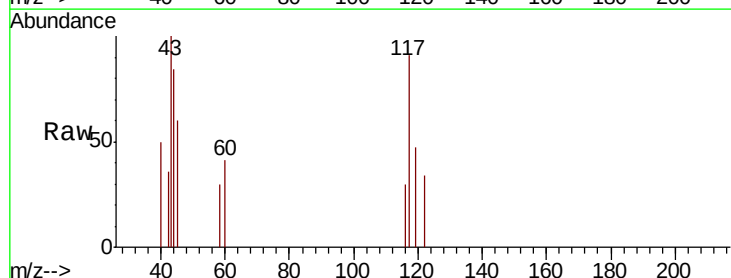


Time-->

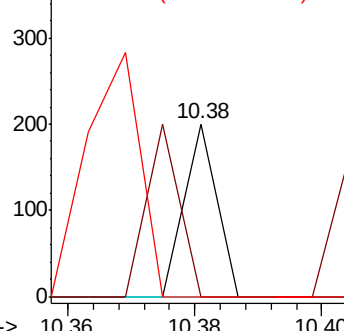


#32
Benzoic acid
Concen: 9.048 ng
RT: 10.38 min Scan# 1241
Delta R.T. 0.12 min
Lab File: BG039651.D
Acq: 28 Feb 2019 2:33

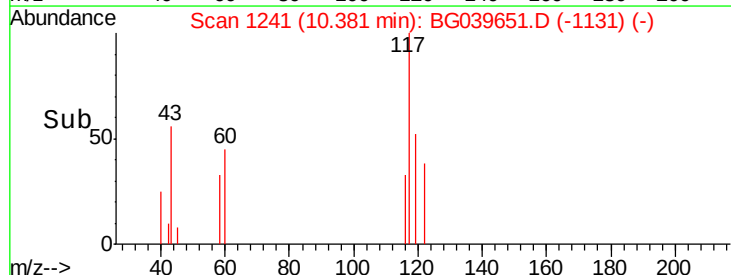
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#

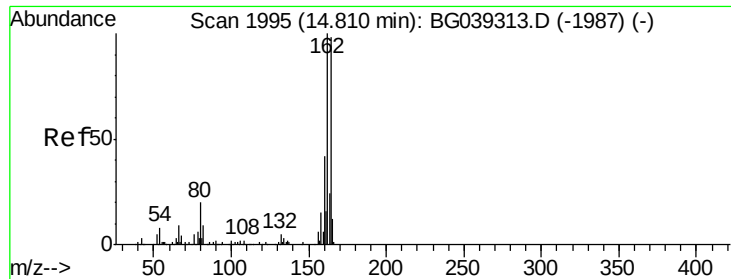


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC



Time-->





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.02 min

Lab File: BG039651.D

Acq: 28 Feb 2019 2:33

Instrument :

BNA_G

ClientSampleId :

EO-01-022619-B

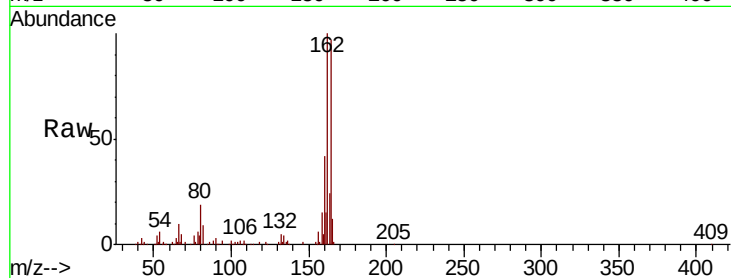
Tgt Ion:164 Resp: 140976

Ion Ratio Lower Upper

164 100

162 102.8 81.6 122.4

160 43.2 34.2 51.2

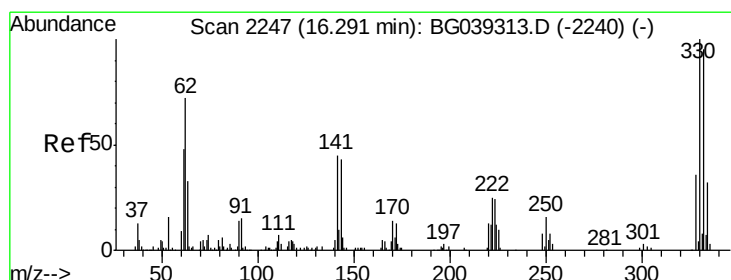
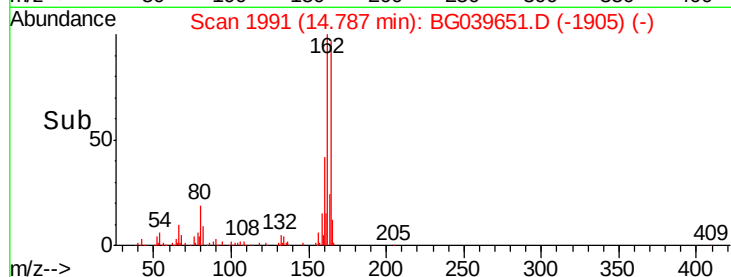
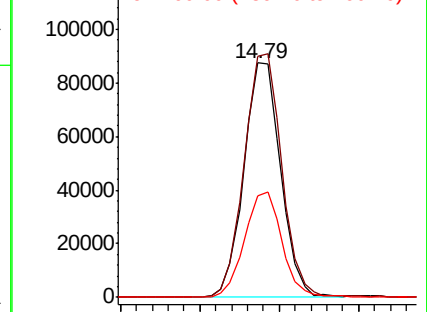


Abundance

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: 145.027 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039651.D

Acq: 28 Feb 2019 2:33

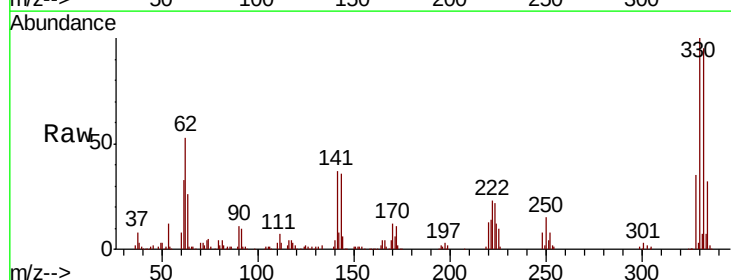
Tgt Ion:330 Resp: 220161

Ion Ratio Lower Upper

330 100

332 96.5 75.7 113.5

141 40.8 35.6 53.4

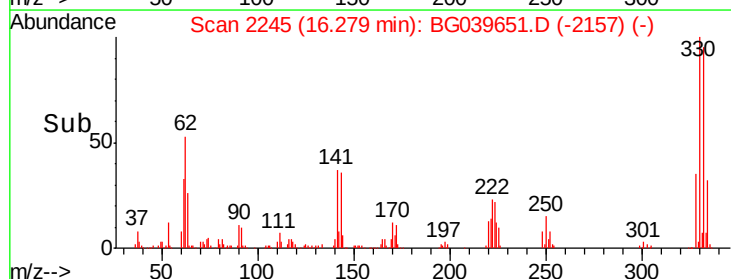
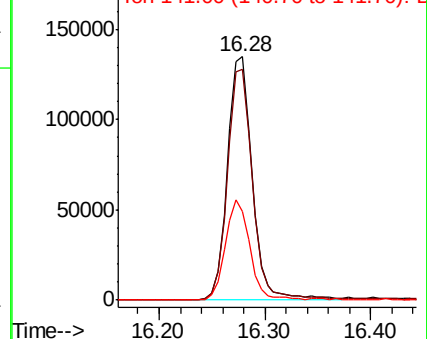


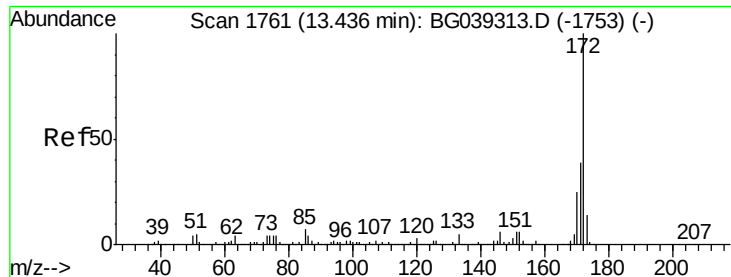
Abundance

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

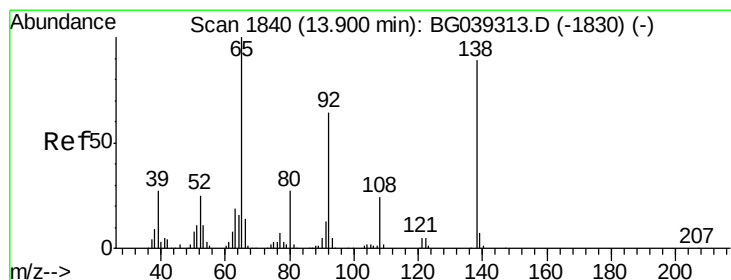
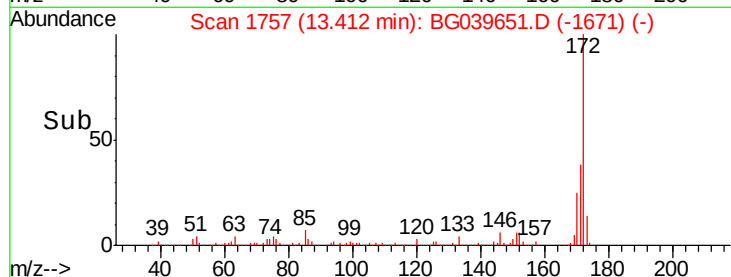
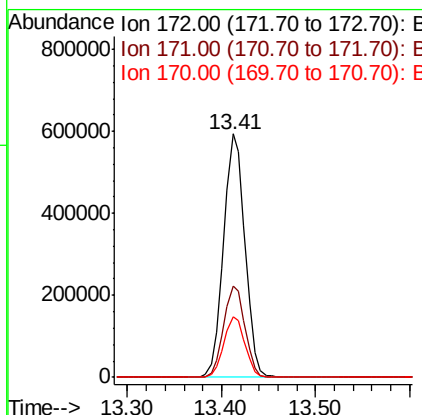
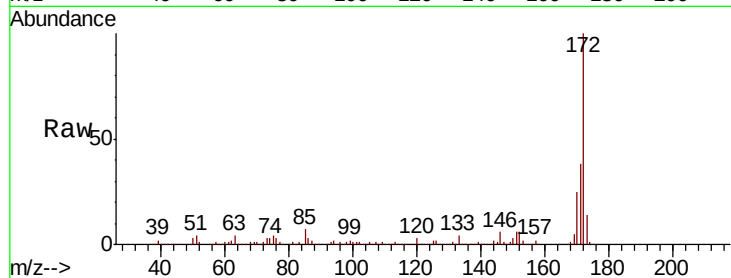




#45
2-Fluorobiphenyl
Concen: 95.875 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.02 min
Lab File: BG039651.D
Acq: 28 Feb 2019 2:33

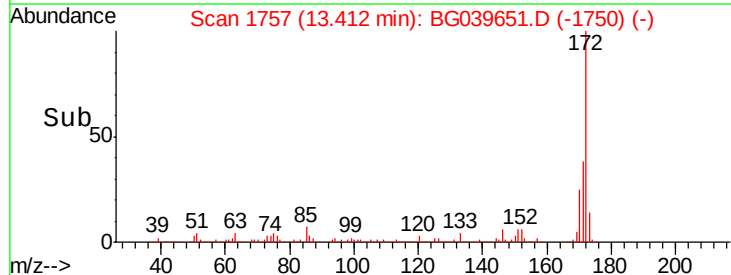
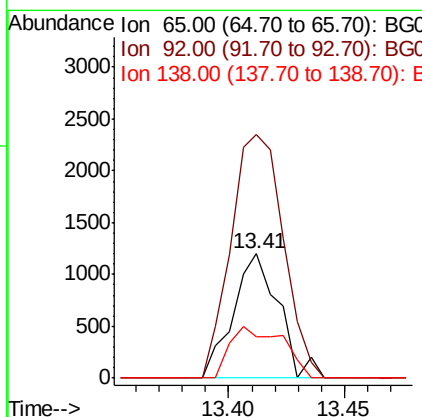
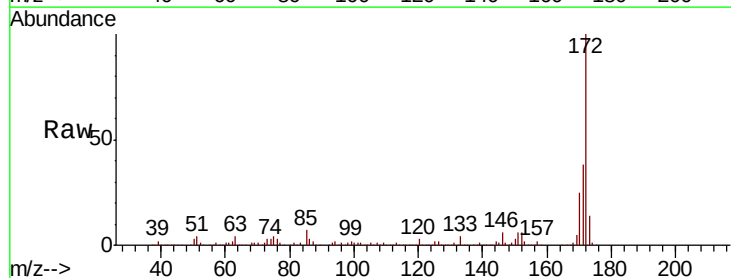
Instrument :
BNA_G
ClientSampleId :
EO-01-022619-B

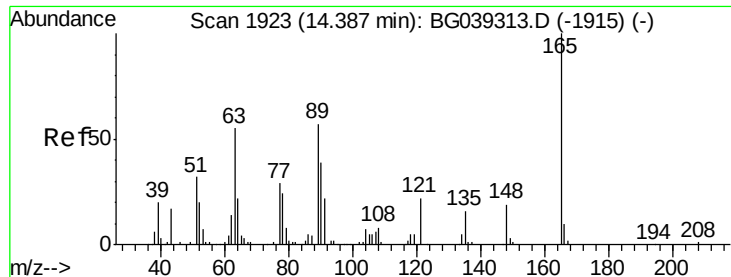
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.8	46.2
170	25.1	20.2	30.4



#48
2-Nitroaniline
Concen: 8.833 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.49 min
Lab File: BG039651.D
Acq: 28 Feb 2019 2:33

Tgt Ion	Ratio	Lower	Upper
65	100		
92	196.1	51.4	77.2#
138	33.6	71.4	107.2#

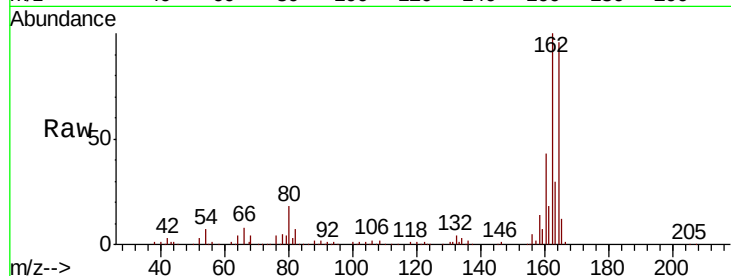




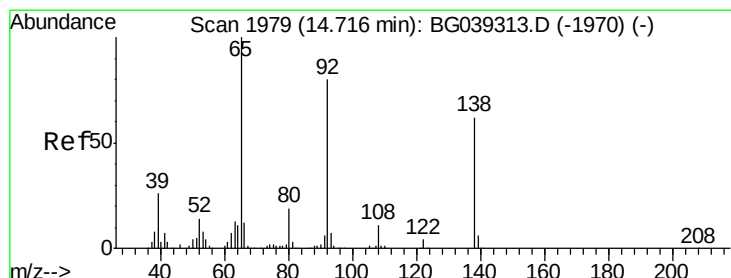
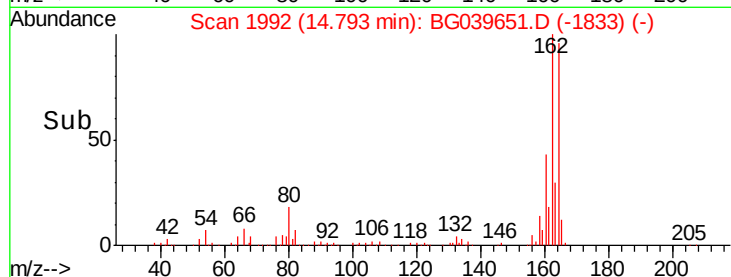
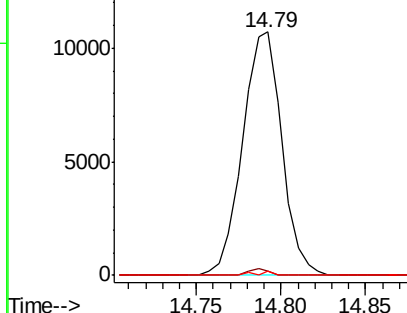
#51
 2,6-Dinitrotoluene
 Concen: 13.558 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. 0.41 min
 Lab File: BG039651.D
 Acq: 28 Feb 2019 2:33

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

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	47.0	70.6#
89	1.8	45.8	68.8#

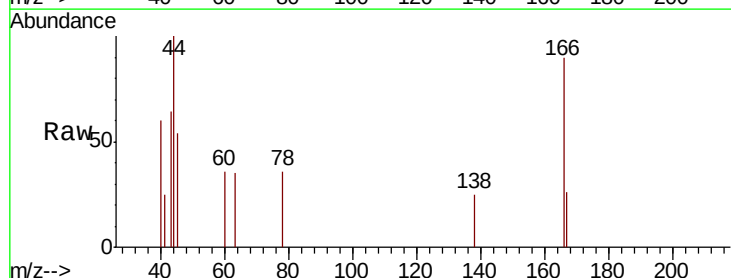


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

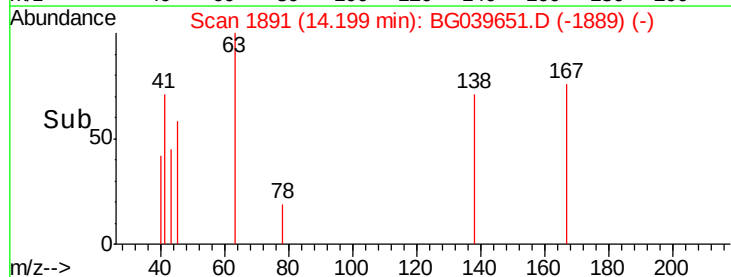
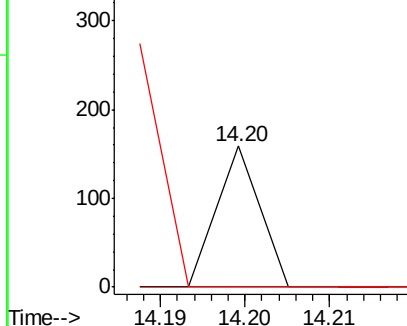


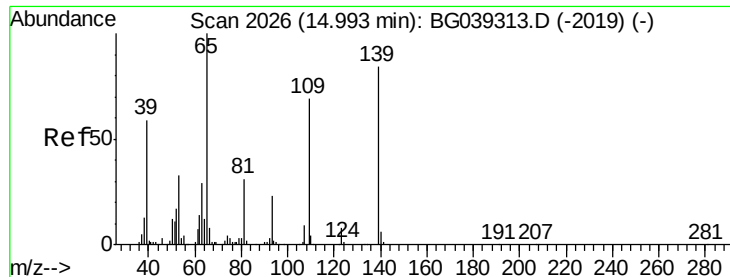
#53
 3-Nitroaniline
 Concen: 5.814 ng
 RT: 14.20 min Scan# 1891
 Delta R.T. -0.52 min
 Lab File: BG039651.D
 Acq: 28 Feb 2019 2:33

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



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

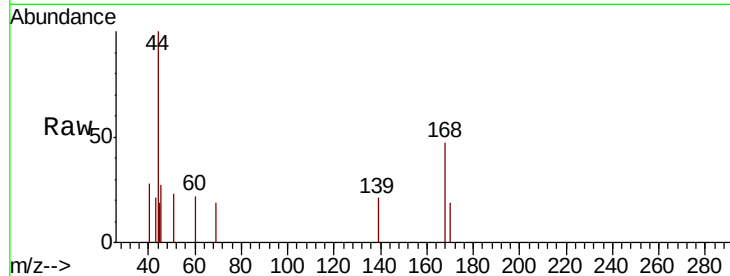




#56
4-Nitrophenol
Concen: 5.821 ng
RT: 15.18 min Scan# 2058
Delta R.T. 0.19 min
Lab File: BG039651.D
Acq: 28 Feb 2019 2:33

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

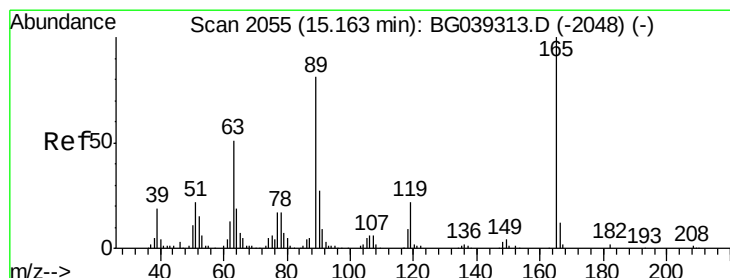
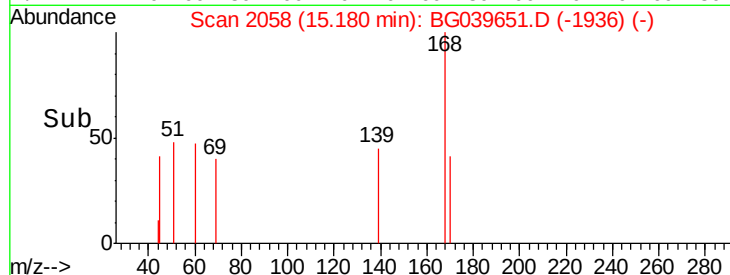
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	61.9	101.9#
65	0.0	99.1	139.1#



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

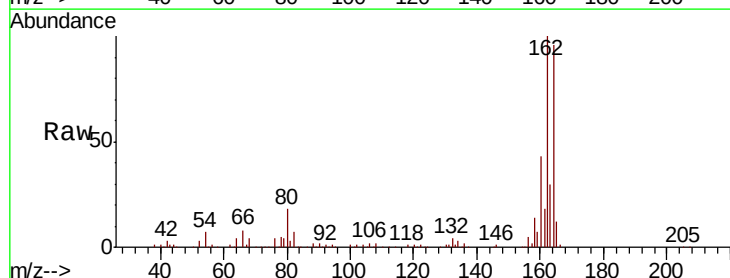
15.18

Time--> 15.16 15.18



#57
2,4-Dinitrotoluene
Concen: 13.122 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.37 min
Lab File: BG039651.D
Acq: 28 Feb 2019 2:33

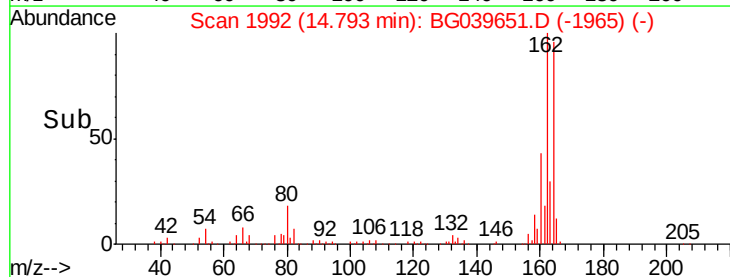
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	41.0	61.6#
89	1.8	64.6	96.8#
182	0.0	2.0	3.0#

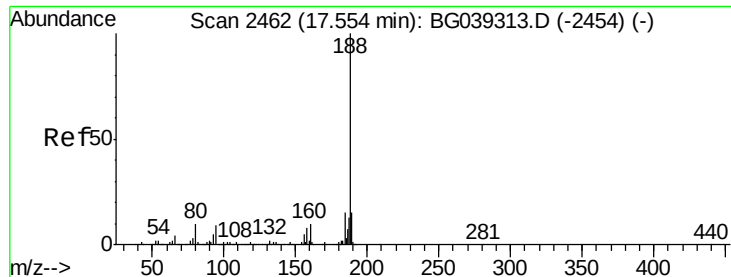


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

14.79

Time--> 14.75 14.80 14.85





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039651.D

Acq: 28 Feb 2019 2:33

Instrument :

BNA_G

ClientSampleId :

EO-01-022619-B

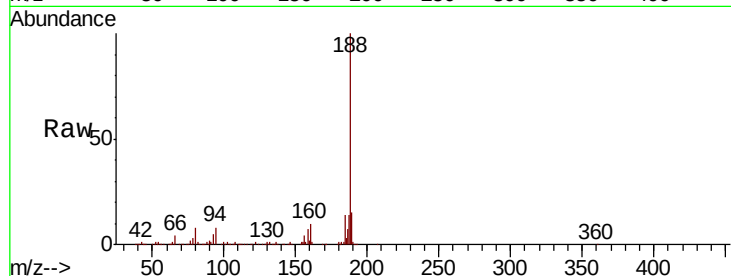
Tgt Ion:188 Resp: 356694

Ion Ratio Lower Upper

188 100

94 8.3 6.9 10.3

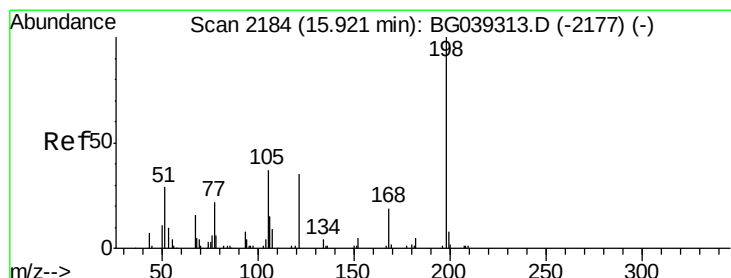
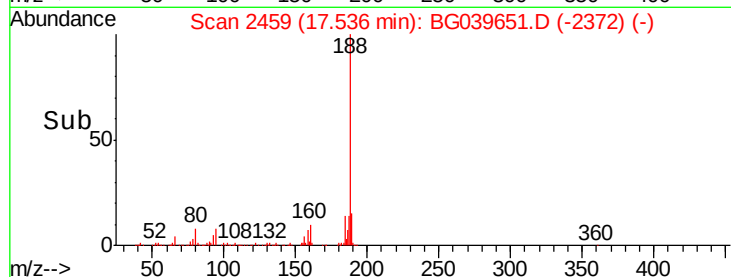
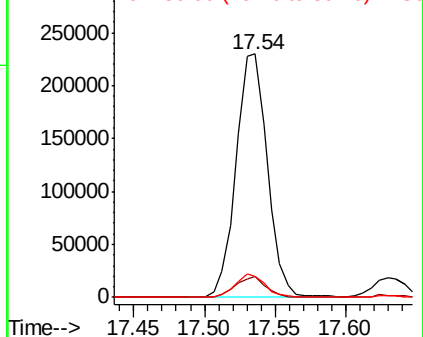
80 8.4 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 4.867 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.35 min

Lab File: BG039651.D

Acq: 28 Feb 2019 2:33

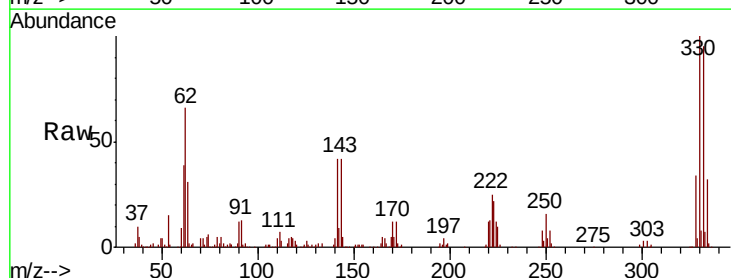
Tgt Ion:198 Resp: 770

Ion Ratio Lower Upper

198 100

51 149.9 27.4 67.4#

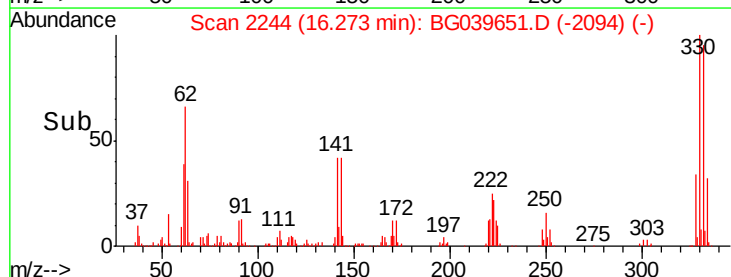
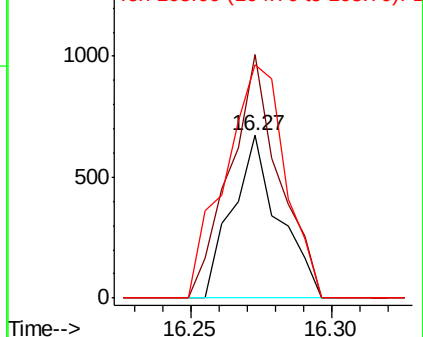
105 143.9 19.7 59.7#

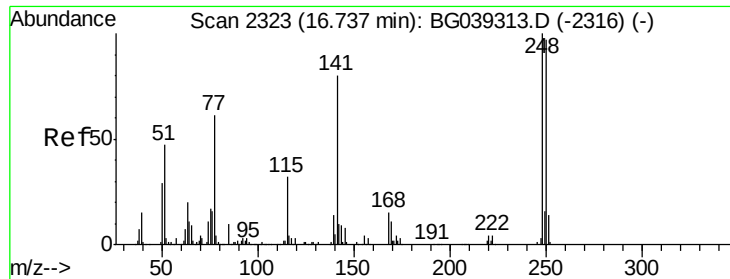


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

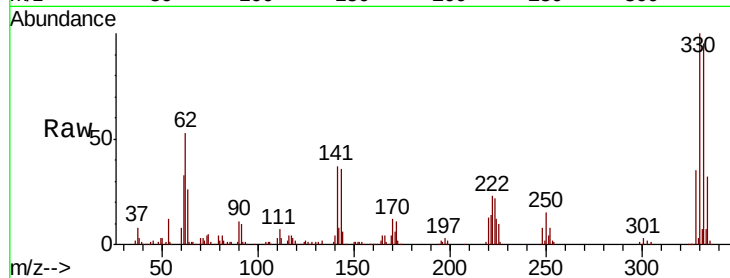




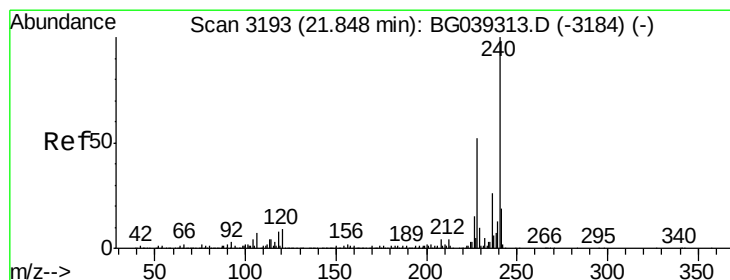
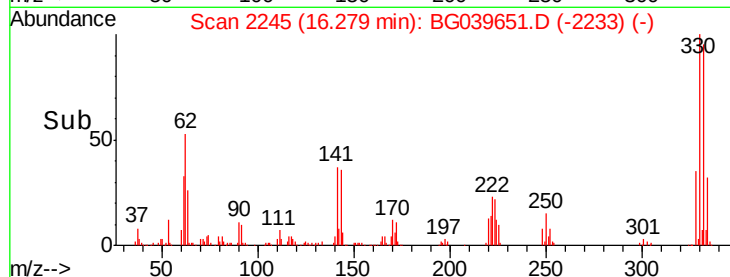
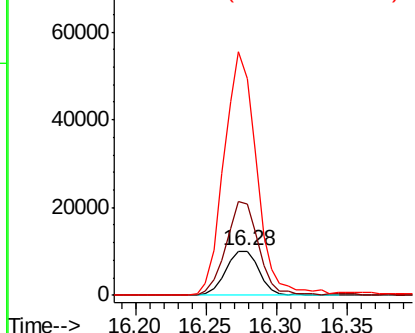
#67
 4-Bromophenyl-phenylether
 Concen: 4.269 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039651.D
 Acq: 28 Feb 2019 2:33

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

Tgt Ion:248 Resp: 16891
 Ion Ratio Lower Upper
 248 100
 250 204.2 77.6 116.4#
 141 487.9 63.9 95.9#

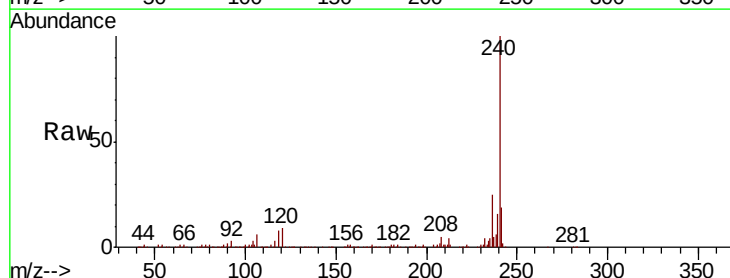


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

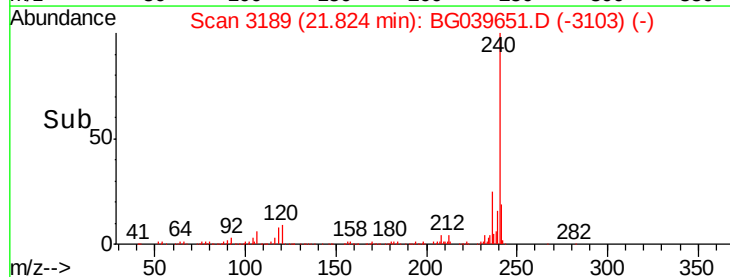
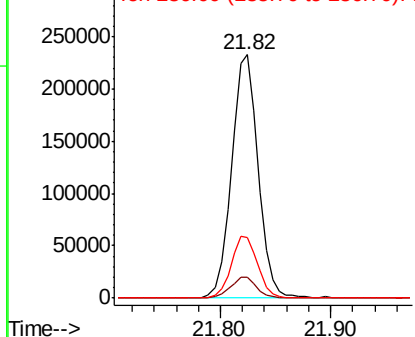


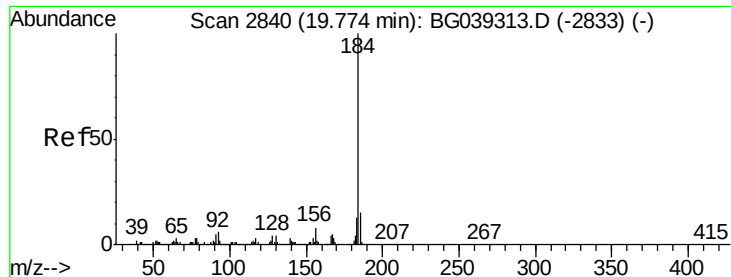
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.02 min
 Lab File: BG039651.D
 Acq: 28 Feb 2019 2:33

Tgt Ion:240 Resp: 391794
 Ion Ratio Lower Upper
 240 100
 120 8.5 7.0 10.6
 236 25.1 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: 2.114 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.35 min

Lab File: BG039651.D

Acq: 28 Feb 2019 2:33

Instrument :

BNA_G

ClientSampleId :

EO-01-022619-B

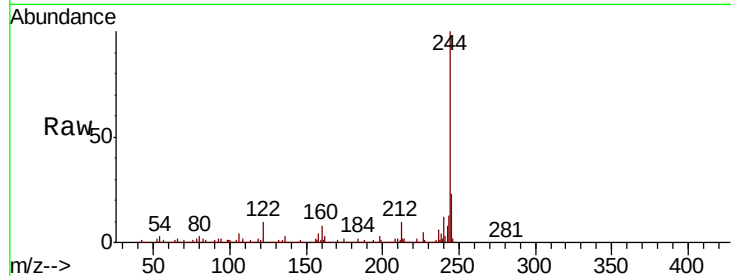
Tgt Ion:184 Resp: 27158

Ion Ratio Lower Upper

184 100

185 16.4 12.2 18.2

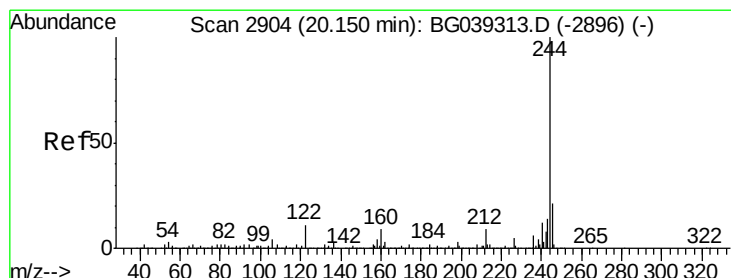
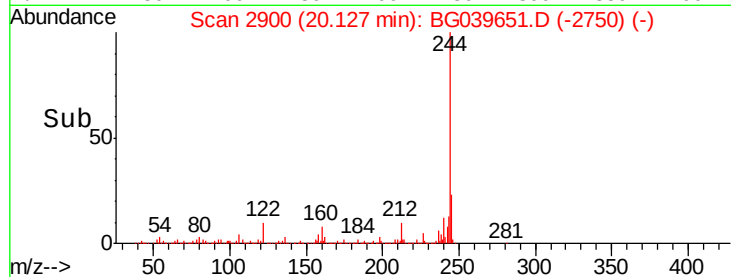
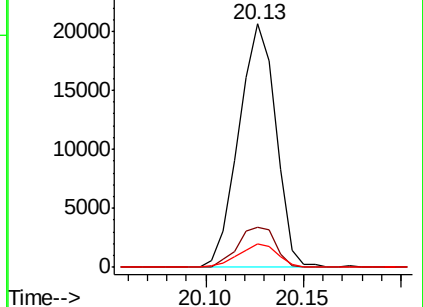
183 9.7 10.6 15.8#



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: 83.826 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.02 min

Lab File: BG039651.D

Acq: 28 Feb 2019 2:33

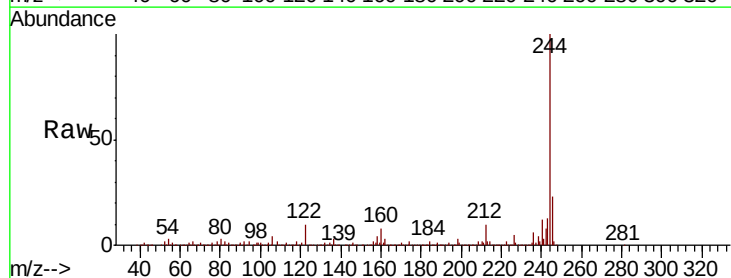
Tgt Ion:244 Resp: 1551592

Ion Ratio Lower Upper

244 100

212 9.6 7.3 10.9

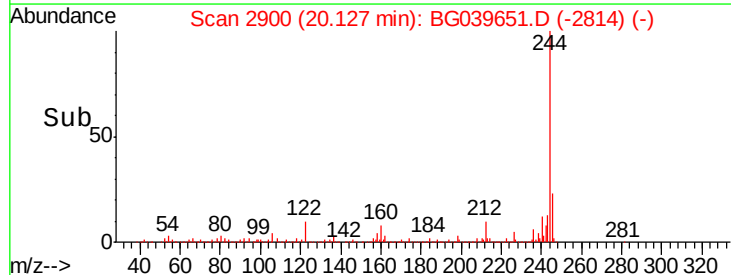
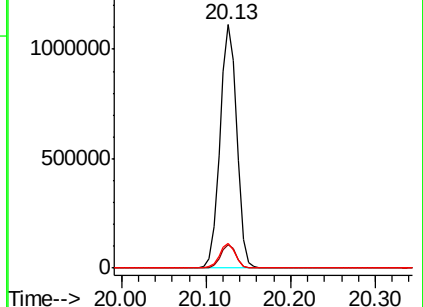
122 10.3 8.4 12.6

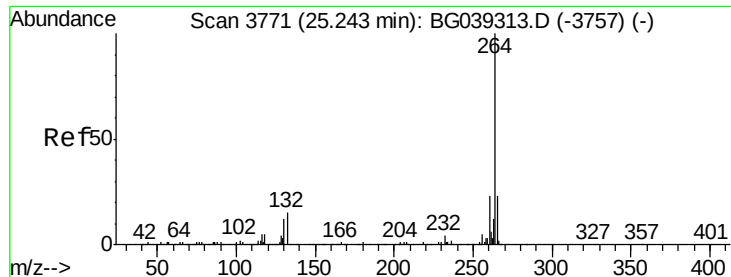


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG039651.D
Acq: 28 Feb 2019 2:33

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

Tgt Ion:	264	Resp:	381008
Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.2	27.4
265	19.7	18.5	27.7

