

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031119\
 Data File : BG039861.D
 Acq On : 12 Mar 2019 4:59
 Operator : JU/SJ
 Sample : K1787-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-1

Quant Time: Mar 12 09:33:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

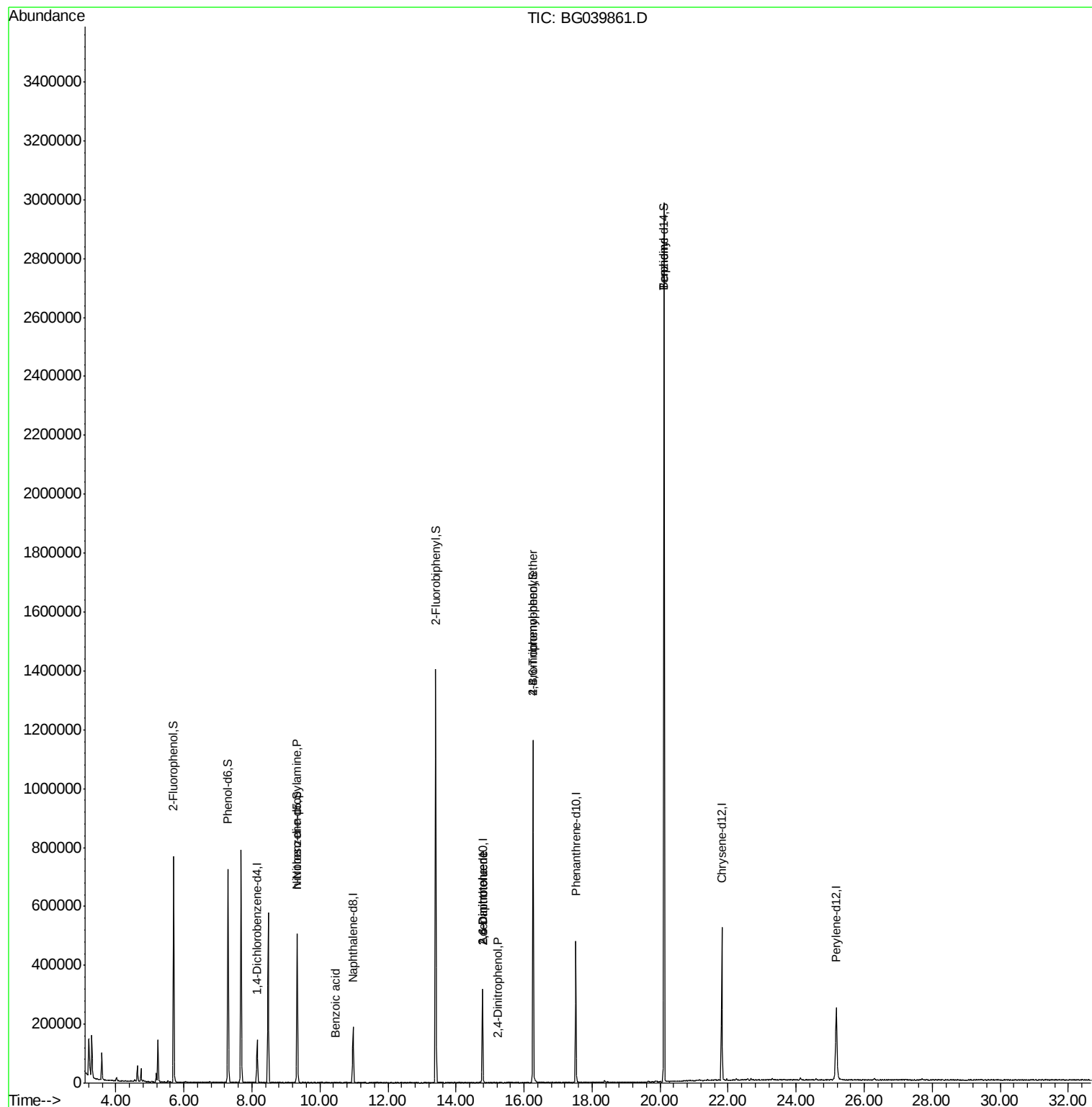
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	39725	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	163642	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	114097	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	296296	20.00	ng	-0.01
76) Chrysene-d12	21.81	240	324289	20.00	ng	-0.02
87) Perylene-d12	25.18	264	312496	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	317931	136.54	ng	-0.01
7) Phenol-d6	7.30	99	415685	119.73	ng	-0.02
23) Nitrobenzene-d5	9.33	82	301443	99.63	ng	-0.02
42) 2,4,6-Tribromophenol	16.27	330	207646	156.14	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	741304	92.51	ng	-0.02
79) Terphenyl-d14	20.11	244	1335940	90.71	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	39195	15.684	ng	# 67
32) Benzoic acid	10.45	122	56	6.628	ng	# 1
51) 2,6-Dinitrotoluene	14.77	165	14649	7.243	ng	# 24
54) 2,4-Dinitrophenol	15.21	184	69	5.307	ng	# 18
57) 2,4-Dinitrotoluene	14.77	165	14649	5.155	ng	# 20
67) 4-Bromophenyl-phenylether	16.27	248	16388	4.941	ng	# 1
77) Benzidine	20.11	184	24379	2.369	ng	# 94

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

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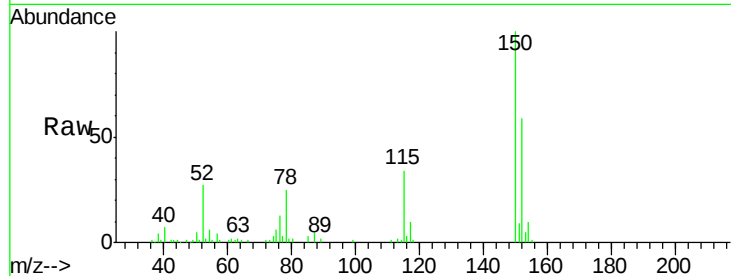


#1

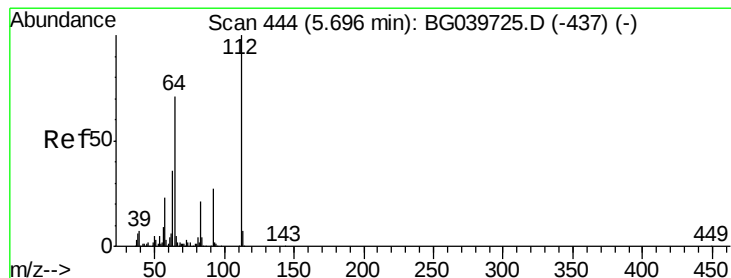
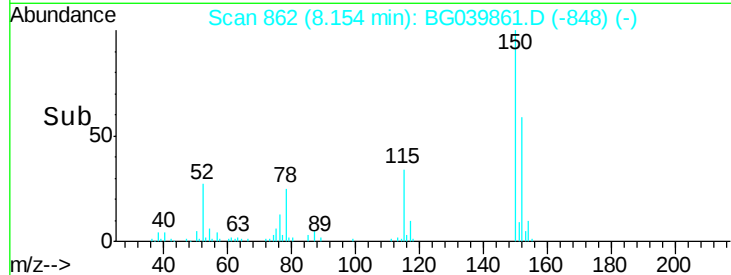
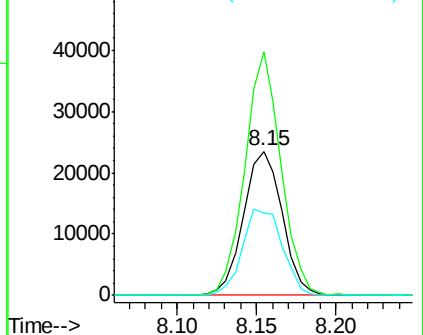
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 862
Delta R.T. -0.02 min
Lab File: BG039861.D
Acq: 12 Mar 2019 4:59

Instrument :
BNA_G
ClientSampleId :
SP-1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	168.6	123.7	185.5
115	57.2	45.9	68.9



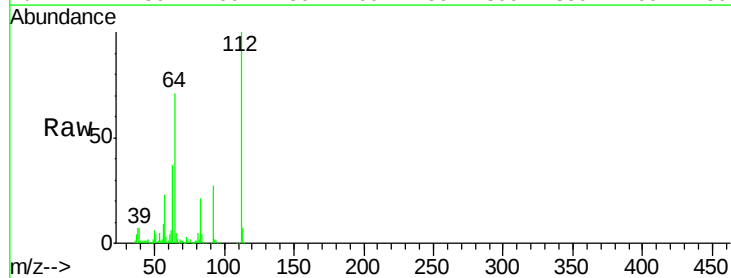
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



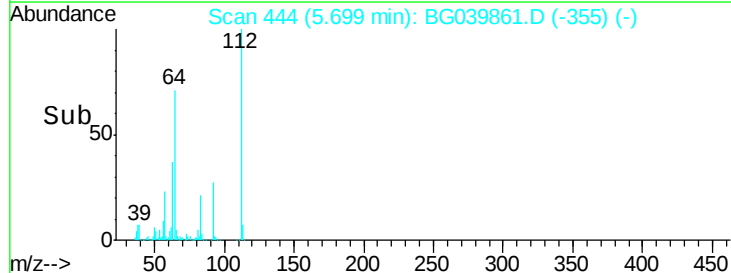
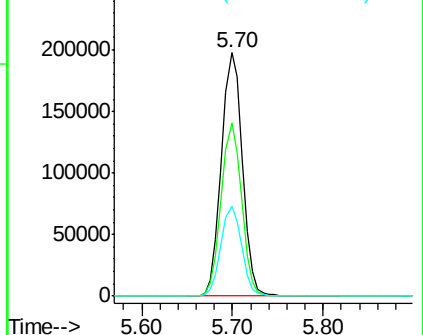
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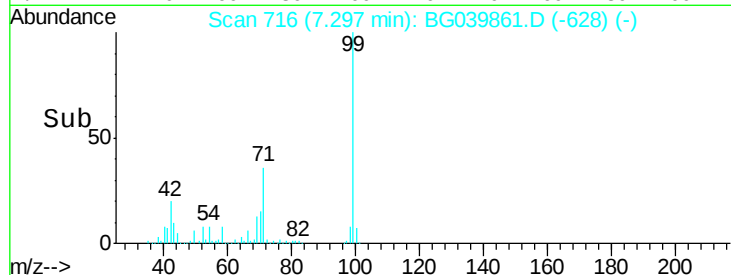
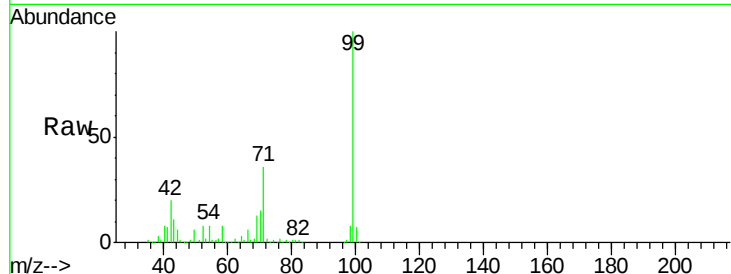
2-Fluorophenol
Concen: 136.537 ng
RT: 5.70 min Scan# 444
Delta R.T. -0.01 min
Lab File: BG039861.D
Acq: 12 Mar 2019 4:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.0	57.8	86.8
63	37.0	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: 119.726 ng

RT: 7.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039861.D

Acq: 12 Mar 2019 4:59

Instrument :

BNA_G

ClientSampleId :

SP-1

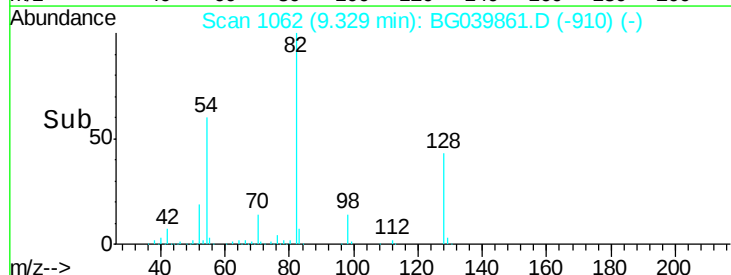
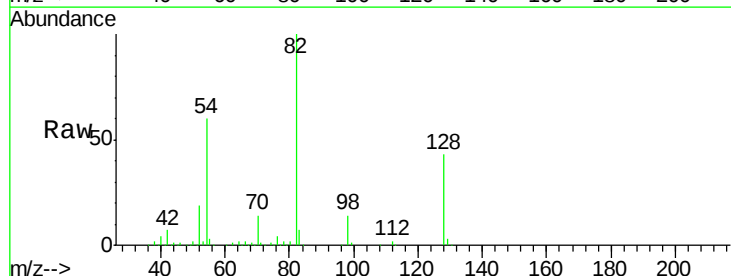
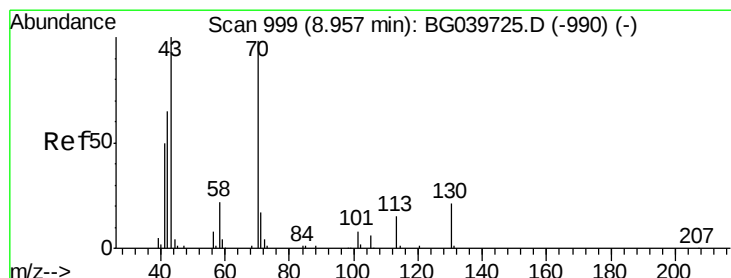
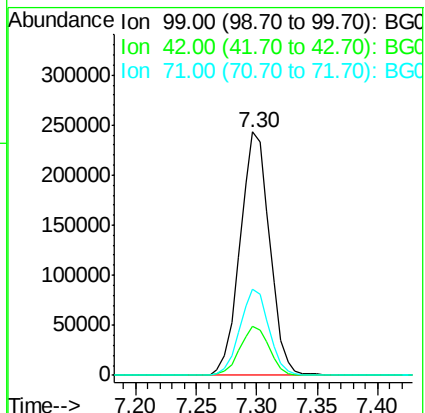
Tgt Ion: 99 Resp: 415685

Ion Ratio Lower Upper

99 100

42 20.2 18.2 27.2

71 35.5 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.684 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG039861.D

Acq: 12 Mar 2019 4:59

Tgt Ion: 70 Resp: 39195

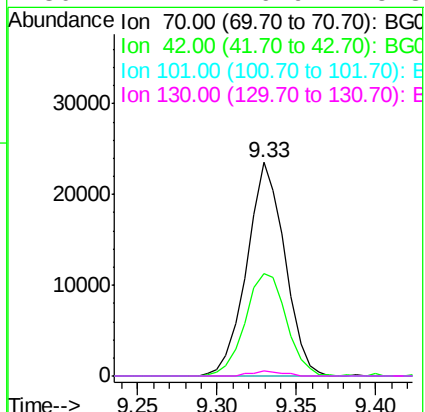
Ion Ratio Lower Upper

70 100

42 48.1 60.4 90.6#

101 0.0 7.5 11.3#

130 2.4 16.9 25.3#

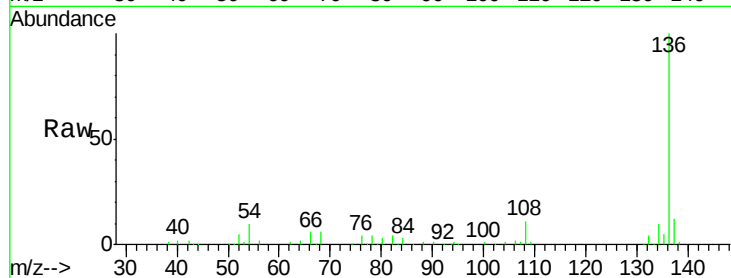




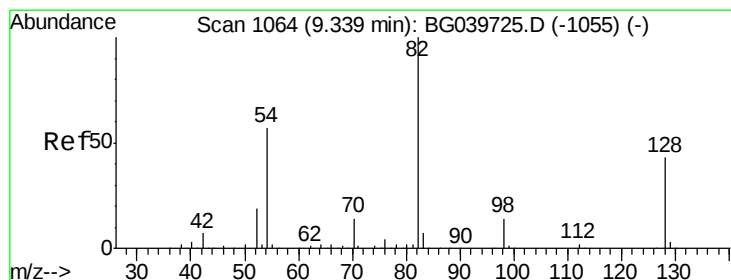
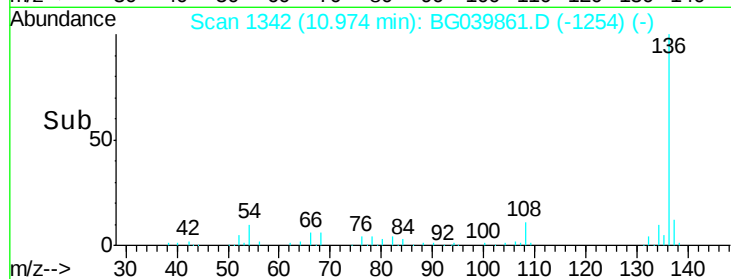
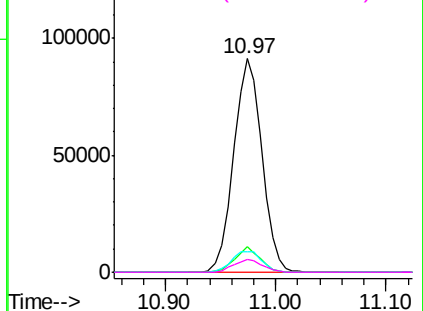
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.02 min
Lab File: BG039861.D
Acq: 12 Mar 2019 4:59

Instrument :
BNA_G
ClientSampleId :
SP-1

Tgt Ion: 136 Resp: 163642
Ion Ratio Lower Upper
136 100
137 12.1 9.1 13.7
54 9.7 9.4 14.2
68 6.1 4.2 6.4

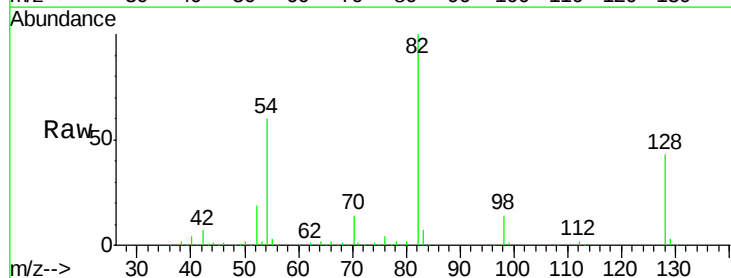


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

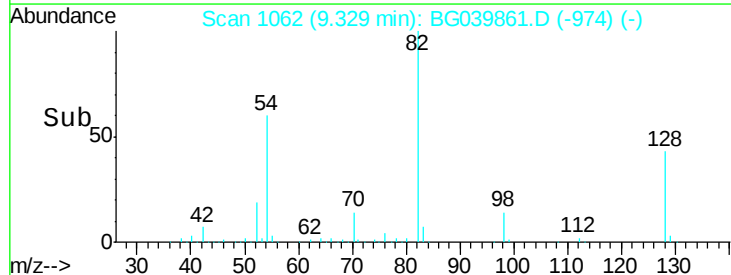
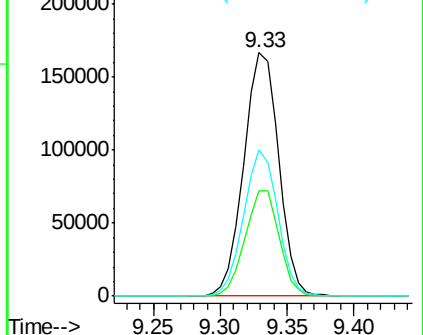


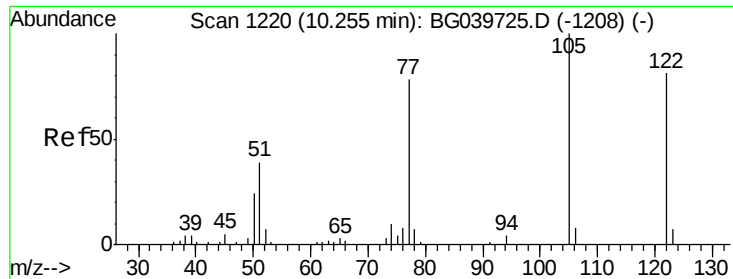
#23
Nitrobenzene-d5
Concen: 99.628 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BG039861.D
Acq: 12 Mar 2019 4:59

Tgt Ion: 82 Resp: 301443
Ion Ratio Lower Upper
82 100
128 43.3 31.3 46.9
54 60.0 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: 6.628 ng

RT: 10.45 min Scan# 1252

Delta R.T. 0.18 min

Lab File: BG039861.D

Acq: 12 Mar 2019 4:59

Instrument :

BNA_G

ClientSampleId :

SP-1

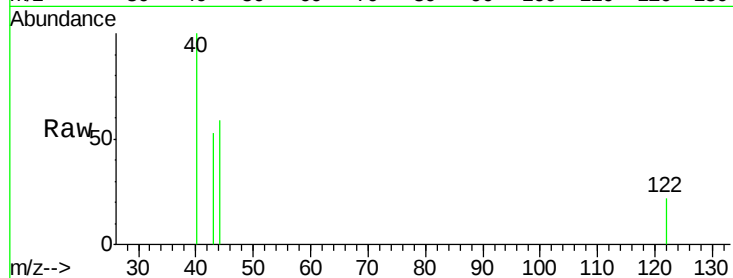
Tgt Ion:122 Resp: 56

Ion Ratio Lower Upper

122 100

105 0.0 101.8 141.8#

77 0.0 76.3 116.3#

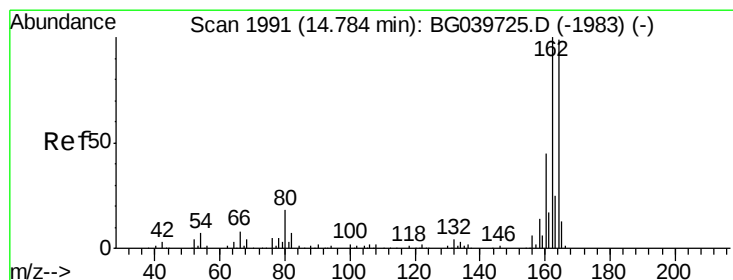
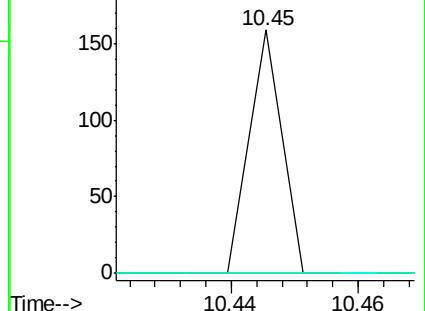
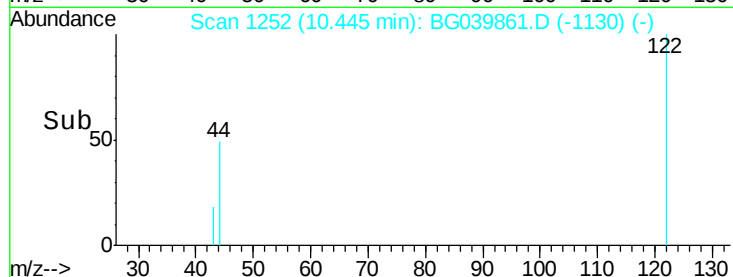


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B

10.45



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG039861.D

Acq: 12 Mar 2019 4:59

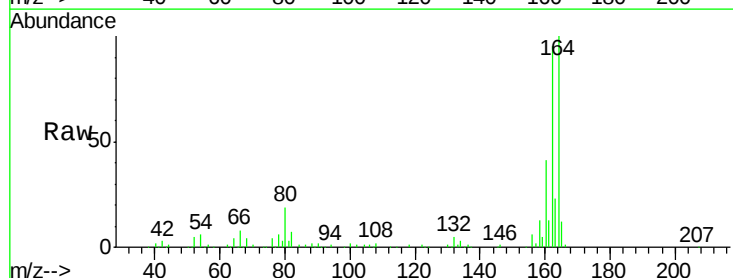
Tgt Ion:164 Resp: 114097

Ion Ratio Lower Upper

164 100

162 95.3 81.6 122.4

160 41.4 34.2 51.2

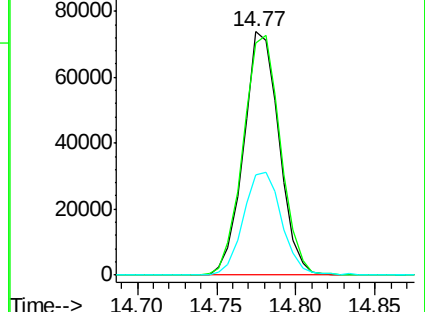
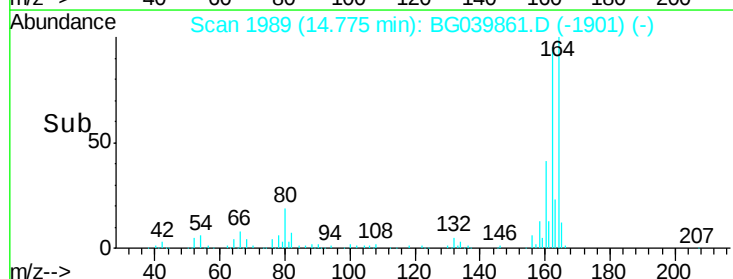


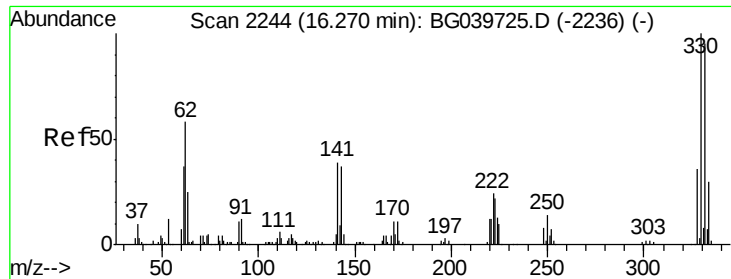
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.77





#42

2,4,6-Tribromophenol

Concen: 156.138 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG039861.D

Acq: 12 Mar 2019 4:59

Instrument :

BNA_G

ClientSampleId :

SP-1

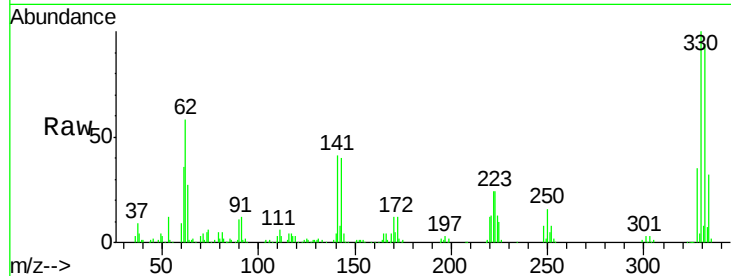
Tgt Ion:330 Resp: 207646

Ion Ratio Lower Upper

330 100

332 96.1 75.7 113.5

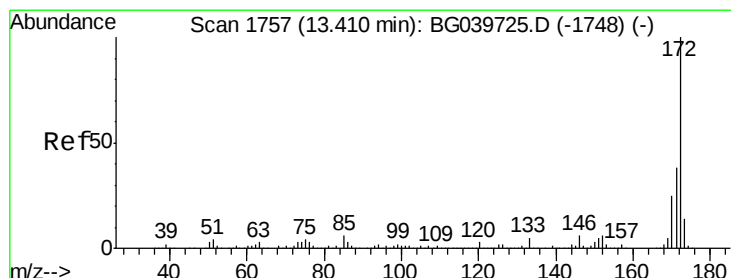
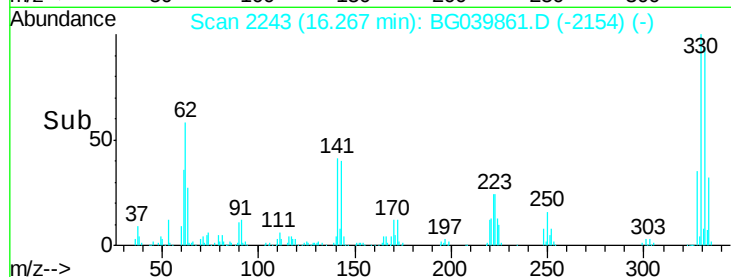
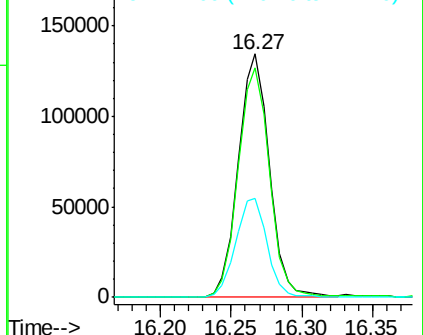
141 41.4 35.6 53.4



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: 92.508 ng

RT: 13.40 min Scan# 1755

Delta R.T. -0.02 min

Lab File: BG039861.D

Acq: 12 Mar 2019 4:59

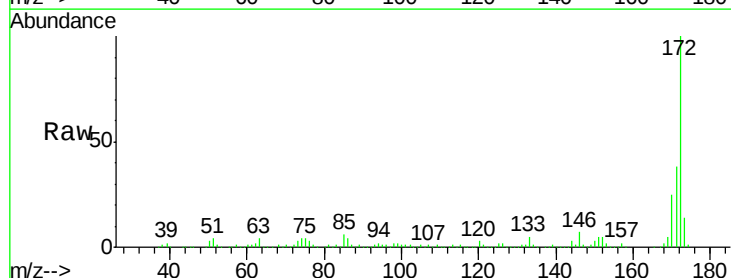
Tgt Ion:172 Resp: 741304

Ion Ratio Lower Upper

172 100

171 37.7 30.8 46.2

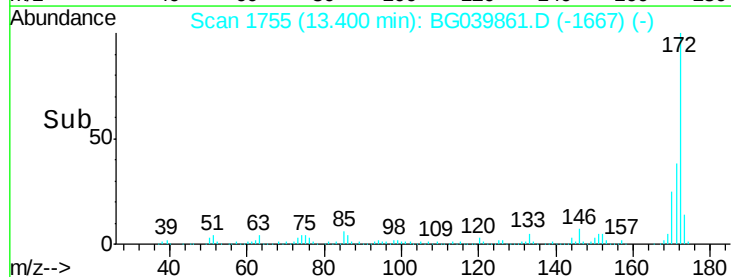
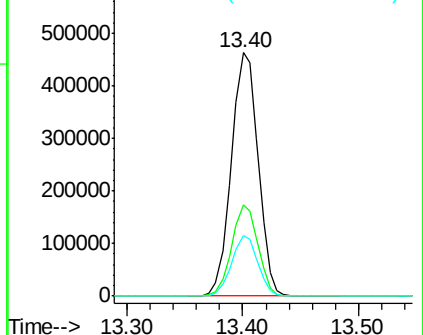
170 24.7 20.2 30.4

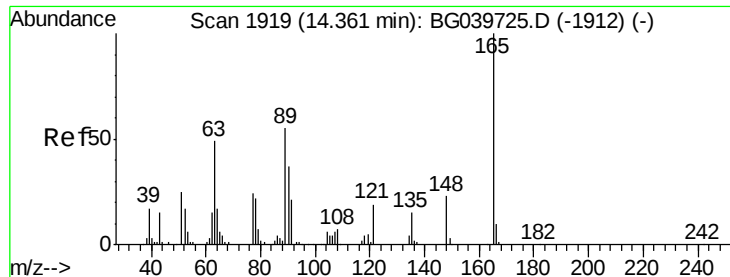


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.243 ng

RT: 14.77 min Scan# 1989

Delta R.T. 0.41 min

Lab File: BG039861.D

Acq: 12 Mar 2019 4:59

Instrument :

BNA_G

ClientSampleId :

SP-1

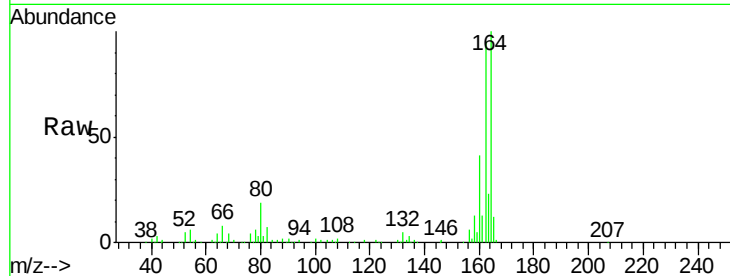
Tgt Ion:165 Resp: 14649

Ion Ratio Lower Upper

165 100

63 1.8 47.0 70.6#

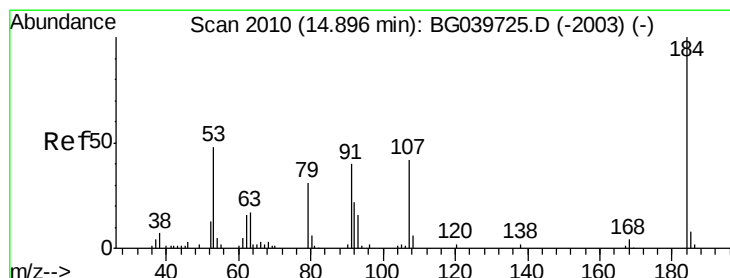
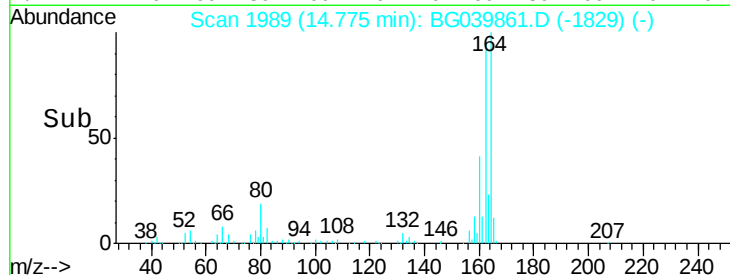
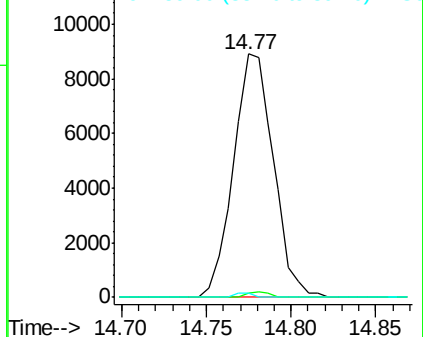
89 2.0 45.8 68.8#



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



#54

2,4-Dinitrophenol

Concen: 5.307 ng

RT: 15.21 min Scan# 2063

Delta R.T. 0.31 min

Lab File: BG039861.D

Acq: 12 Mar 2019 4:59

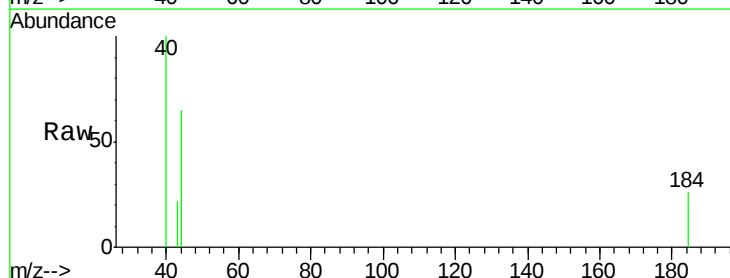
Tgt Ion:184 Resp: 69

Ion Ratio Lower Upper

184 100

63 0.0 50.9 76.3#

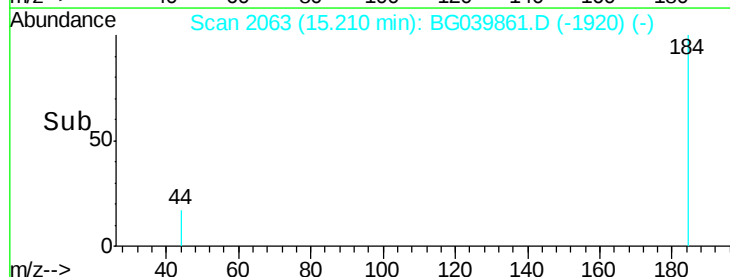
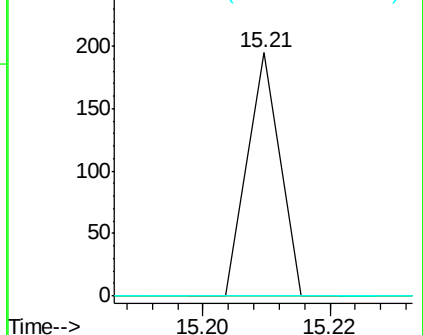
154 0.0 53.0 79.6#

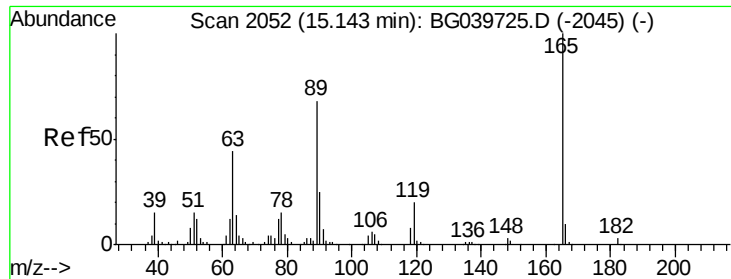


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

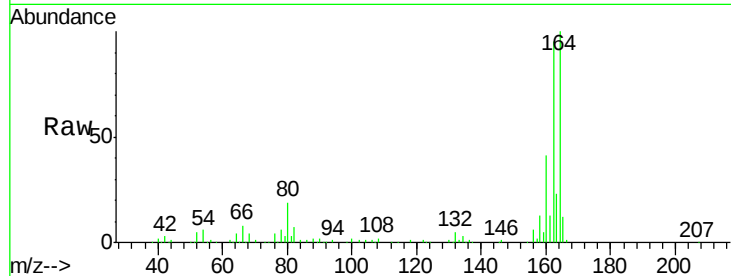




#57
 2,4-Dinitrotoluene
 Concen: 5.155 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. -0.37 min
 Lab File: BG039861.D
 Acq: 12 Mar 2019 4:59

Instrument :
 BNA_G
 ClientSampleId :
 SP-1

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

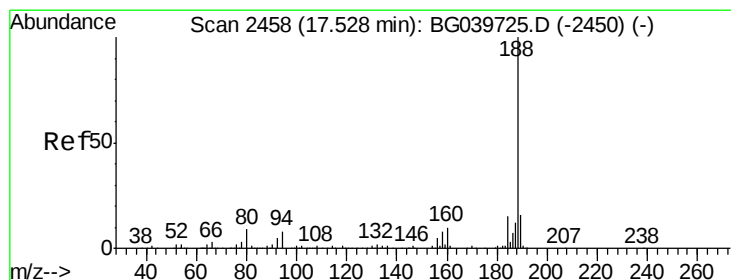
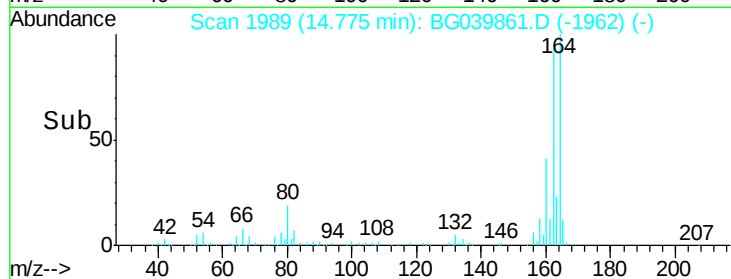
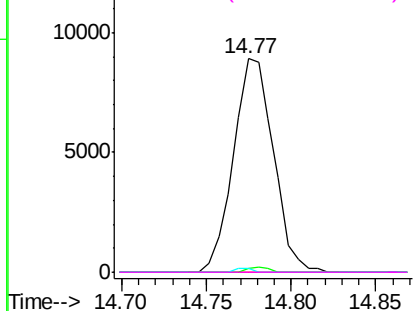


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

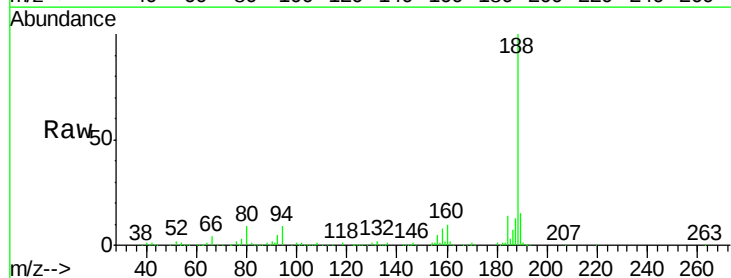
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2457
 Delta R.T. -0.01 min
 Lab File: BG039861.D
 Acq: 12 Mar 2019 4:59

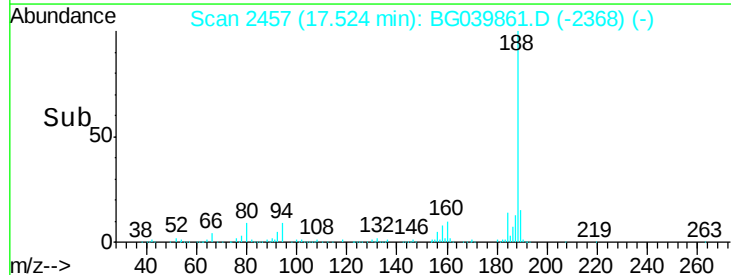
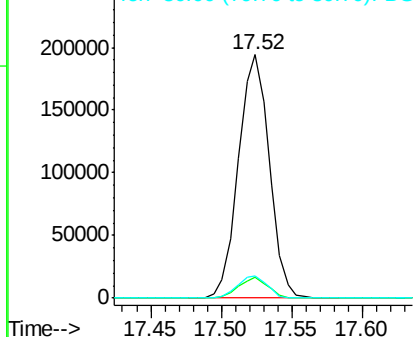
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.9	10.3
80	8.9	8.1	12.1

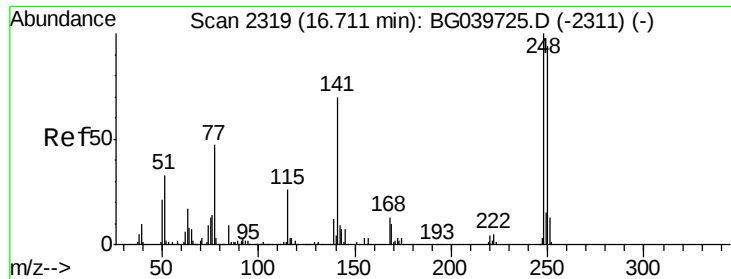


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

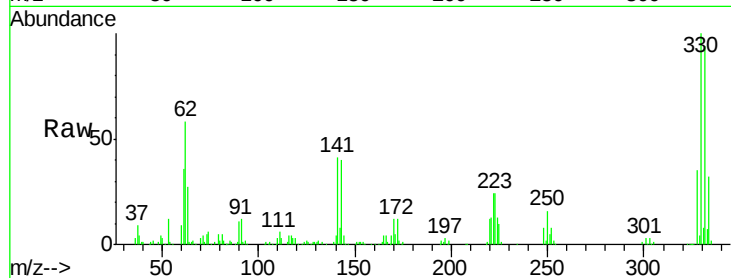




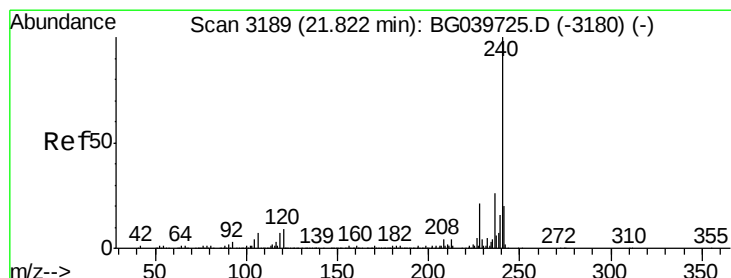
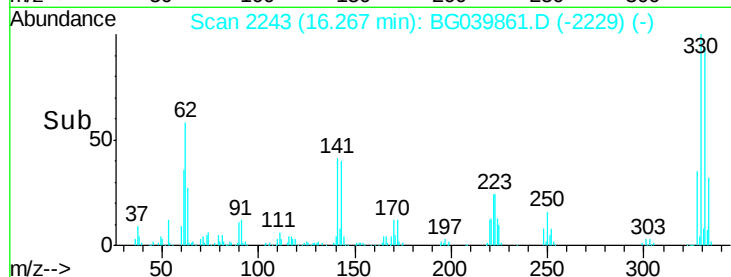
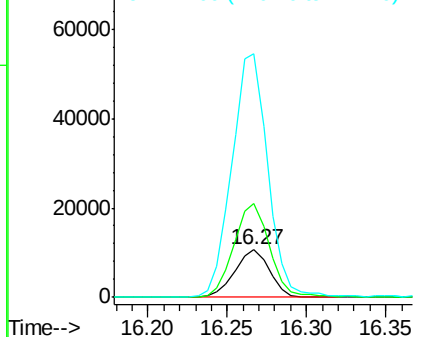
#67
4-Bromophenyl-phenylether
Concen: 4.941 ng
RT: 16.27 min Scan# 2243
Delta R.T. -0.45 min
Lab File: BG039861.D
Acq: 12 Mar 2019 4:59

Instrument :
BNA_G
ClientSampleId :
SP-1

Tgt Ion:248 Resp: 16388
Ion Ratio Lower Upper
248 100
250 197.0 77.6 116.4#
141 510.2 63.9 95.9#

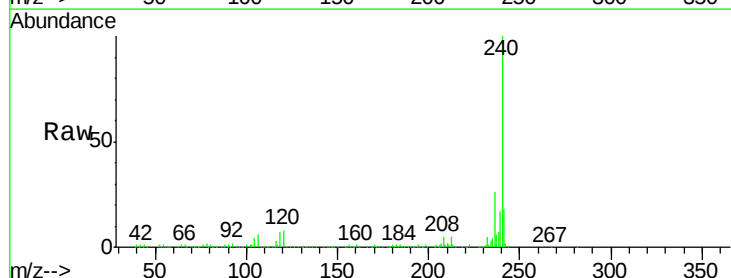


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

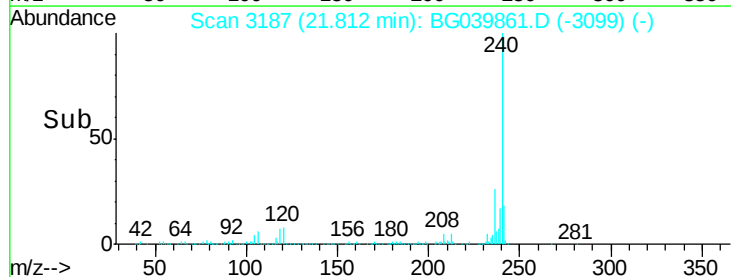
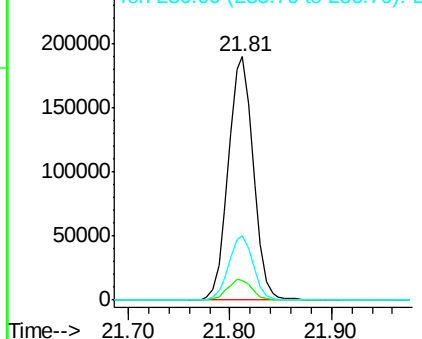


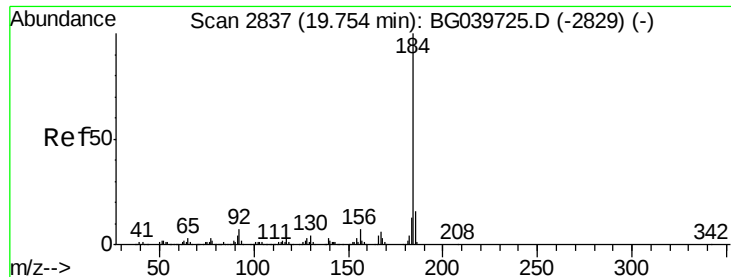
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.81 min Scan# 3187
Delta R.T. -0.02 min
Lab File: BG039861.D
Acq: 12 Mar 2019 4:59

Tgt Ion:240 Resp: 324289
Ion Ratio Lower Upper
240 100
120 8.2 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: 2.369 ng

RT: 20.11 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG039861.D

Acq: 12 Mar 2019 4:59

Instrument :

BNA_G

ClientSampled :

SP-1

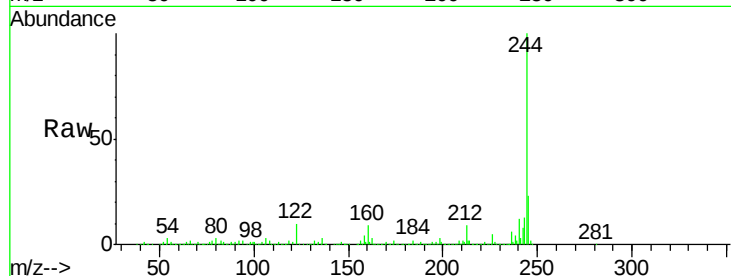
Tgt Ion:184 Resp: 24379

Ion Ratio Lower Upper

184 100

185 14.9 12.2 18.2

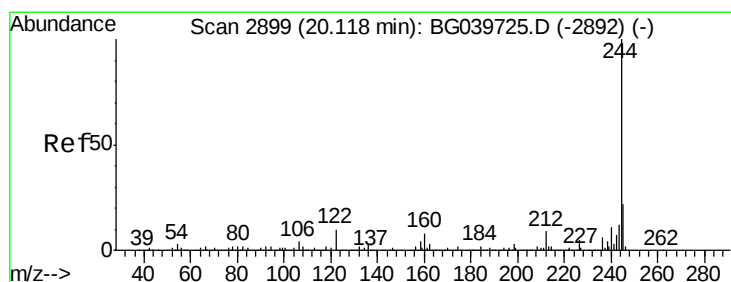
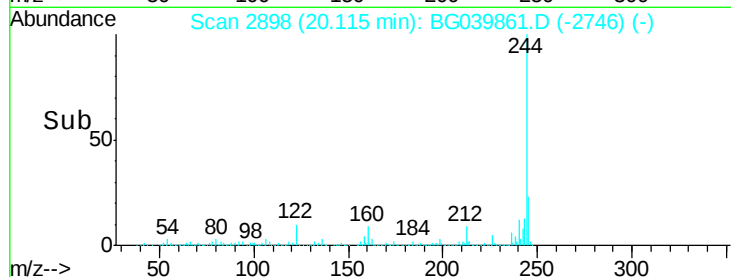
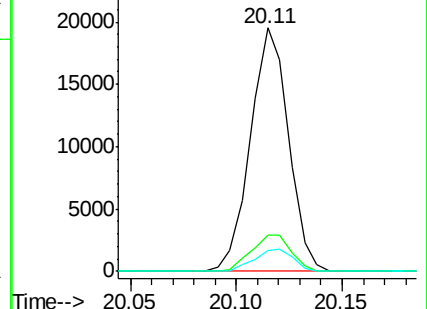
183 8.6 10.6 15.8#



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: 90.706 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039861.D

Acq: 12 Mar 2019 4:59

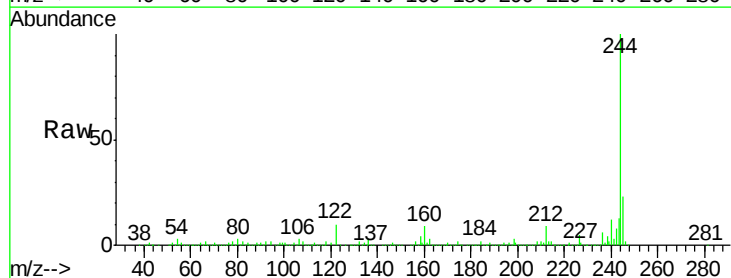
Tgt Ion:244 Resp: 1335940

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

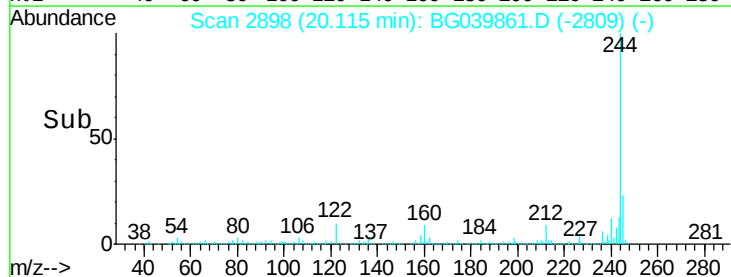
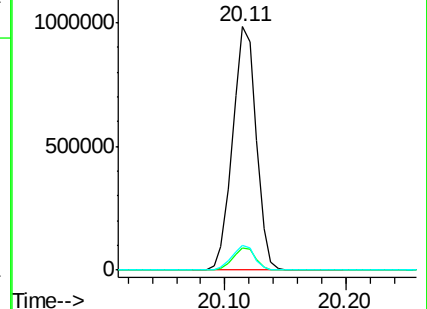
122 10.3 8.4 12.6

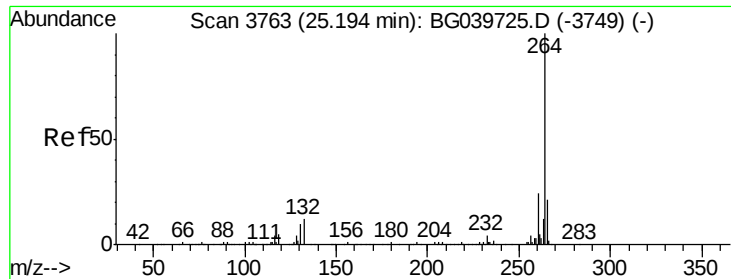


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.18 min Scan# 3760
Delta R.T. -0.02 min
Lab File: BG039861.D
Acq: 12 Mar 2019 4:59

Instrument :
BNA_G
ClientSampleId :
SP-1

Tgt Ion: 264 Resp: 312496

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.2	27.4
265	21.1	18.5	27.7

