

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030419\
 Data File : BG039757.D
 Acq On : 5 Mar 2019 8:51
 Operator : JU/SJ
 Sample : K1688-14
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 05 11:08:03 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

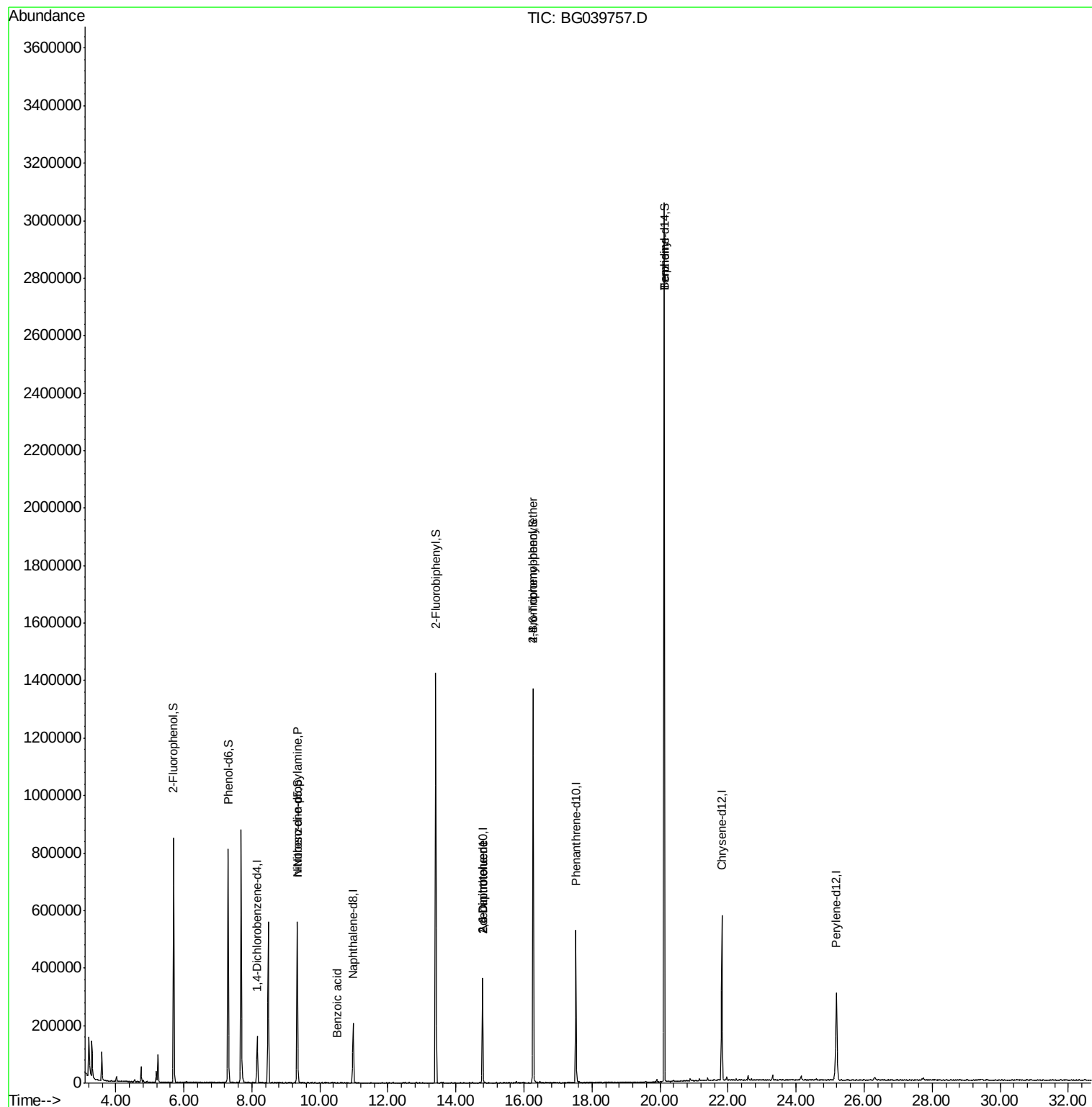
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	42571	20.00	ng	-0.02
21) Naphthalene-d8	10.98	136	180231	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	124007	20.00	ng	0.00
64) Phenanthrene-d10	17.52	188	324207	20.00	ng	0.00
76) Chrysene-d12	21.81	240	351967	20.00	ng	-0.02
87) Perylene-d12	25.19	264	347602	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	348706	139.74	ng	0.00
7) Phenol-d6	7.30	99	462398	124.28	ng	0.00
23) Nitrobenzene-d5	9.34	82	329104	98.76	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	227163	157.16	ng	0.00
45) 2-Fluorobiphenyl	13.40	172	776063	89.11	ng	-0.02
79) Terphenyl-d14	20.12	244	1440607	90.12	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	43177	16.122	ng	# 65
32) Benzoic acid	10.50	122	53	6.624	ng	# 1
51) 2,6-Dinitrotoluene	14.78	165	16293	7.412	ng	# 22
57) 2,4-Dinitrotoluene	14.78	165	16293	5.275	ng	# 17
67) 4-Bromophenyl-phenylether	16.27	248	18642	5.137	ng	# 1
77) Benzidine	20.12	184	25981	2.326	ng	# 94

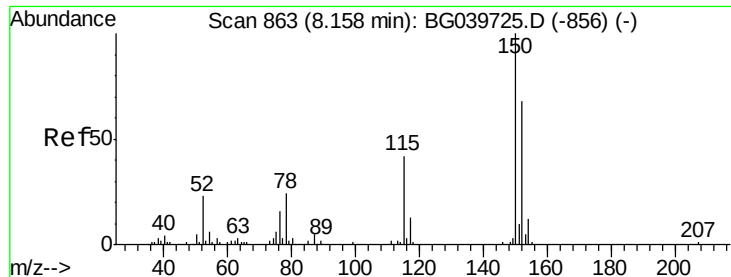
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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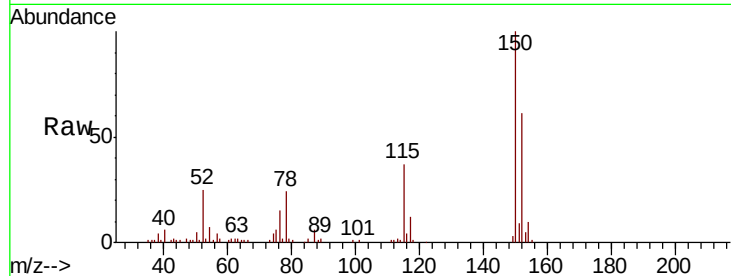


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 862
Delta R.T. -0.02 min
Lab File: BG039757.D
Acq: 5 Mar 2019 8:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.4	123.7	185.5
115	60.2	45.9	68.9

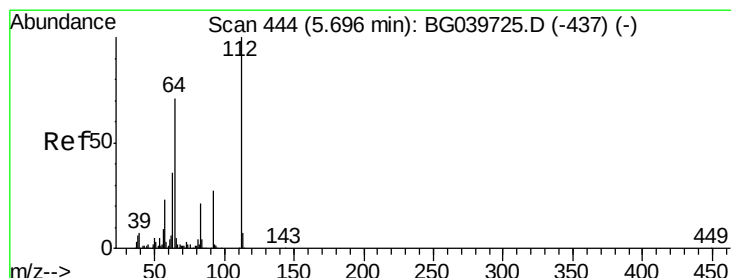
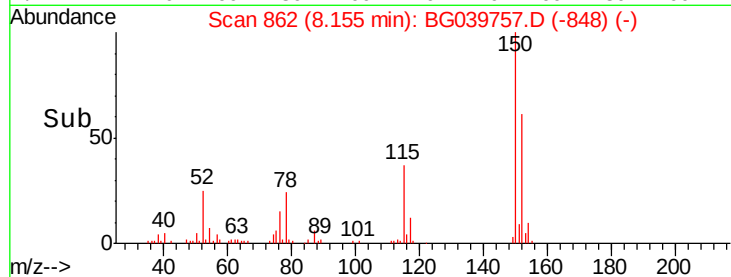
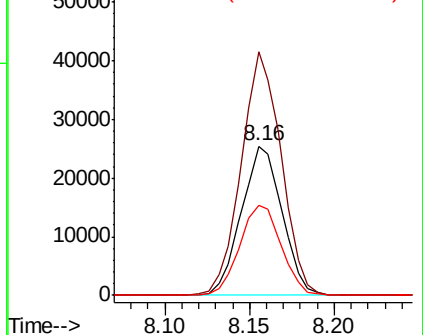


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

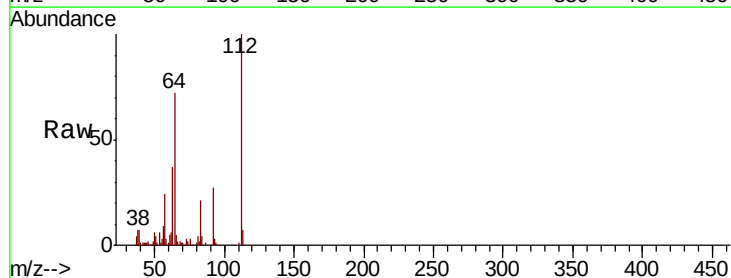
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 139.742 ng
RT: 5.70 min Scan# 444
Delta R.T. -0.01 min
Lab File: BG039757.D
Acq: 5 Mar 2019 8:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.8	57.8	86.8
63	36.9	29.8	44.6

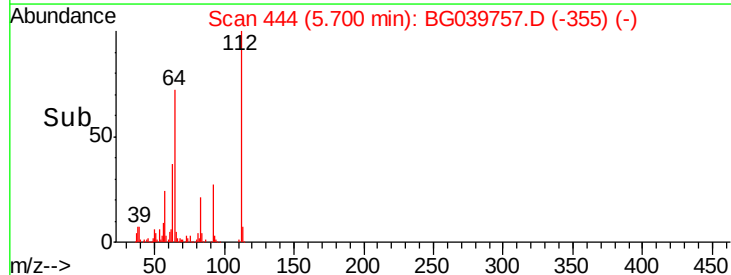
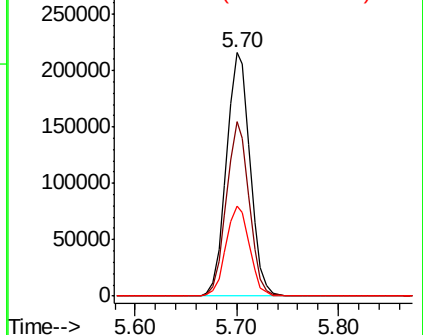


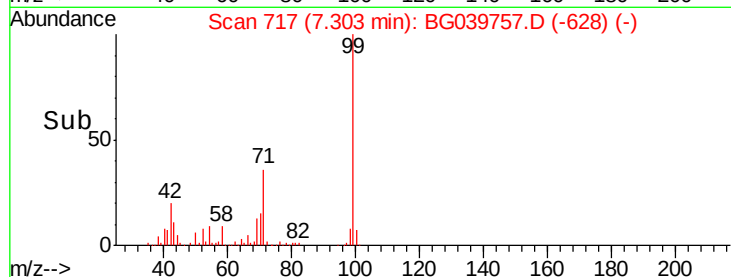
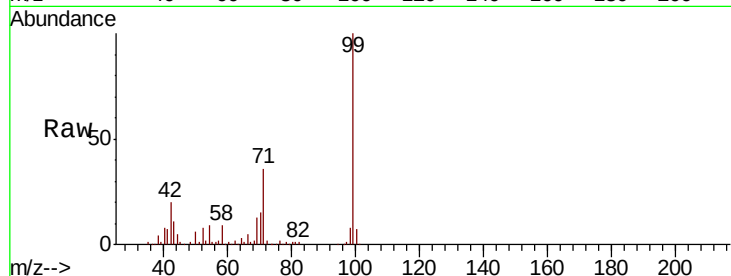
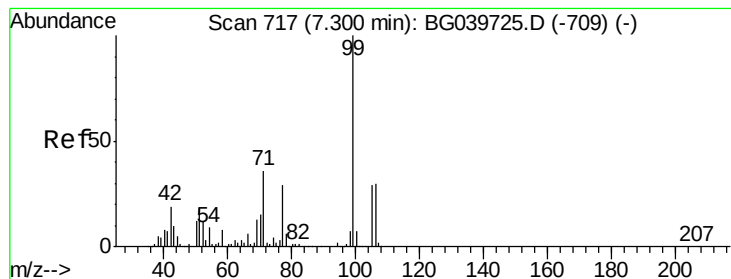
Abundance

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: 124.276 ng

RT: 7.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BG039757.D

Acq: 5 Mar 2019 8:51

Instrument :

BNA_G

ClientSampleId :

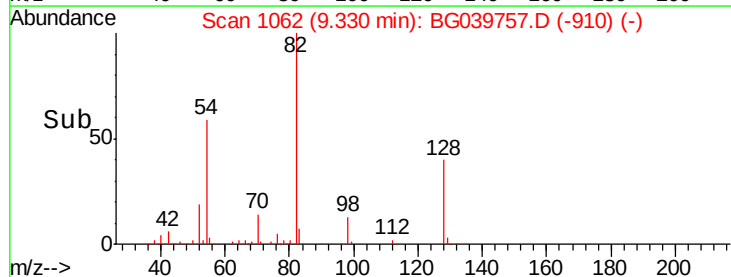
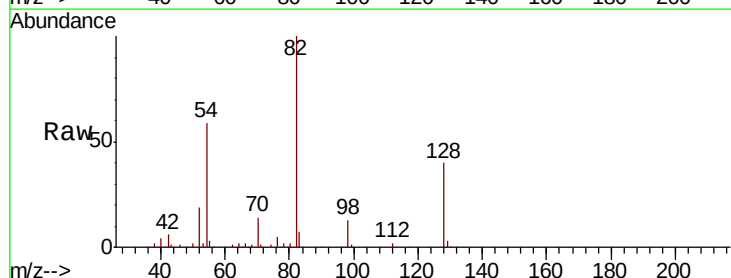
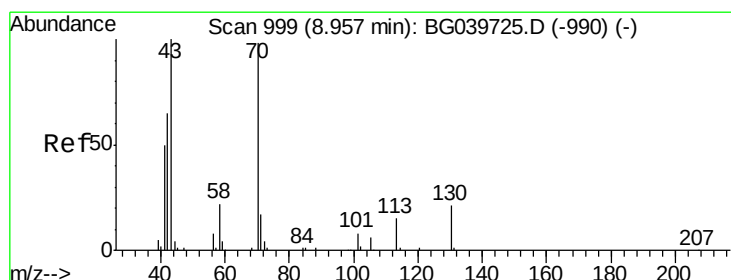
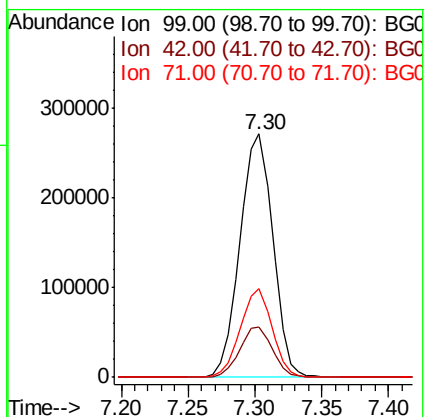
Tot Ion: 99 Resp: 462398

Ion Ratio Lower Upper

99 100

42 20.5 18.2 27.2

71 36.3 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.122 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG039757.D

Acq: 5 Mar 2019 8:51

Tgt Ion: 70 Resp: 43177

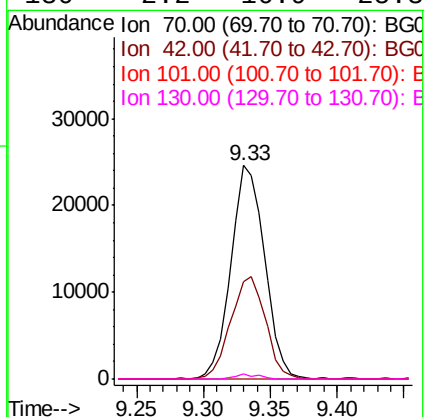
Ion Ratio Lower Upper

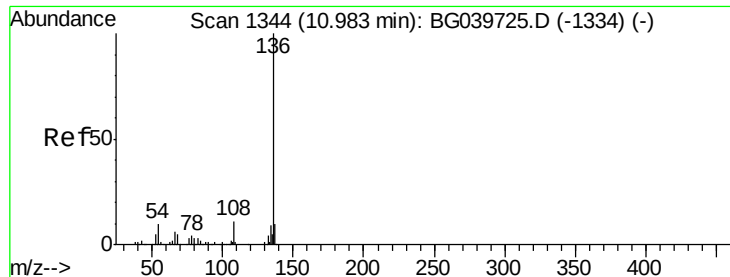
70 100

42 45.6 60.4 90.6#

101 0.0 7.5 11.3#

130 2.2 16.9 25.3#

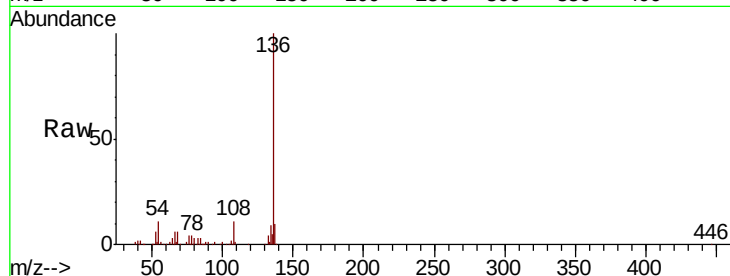




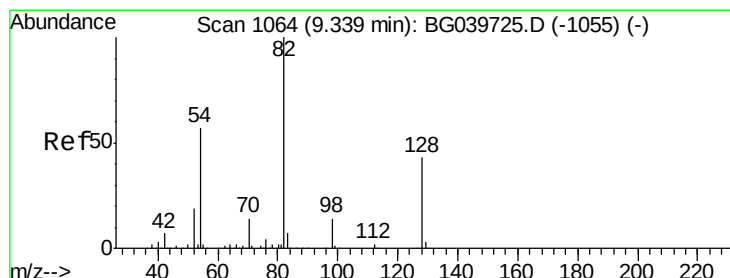
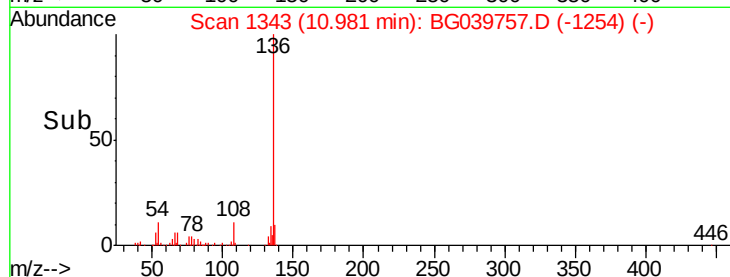
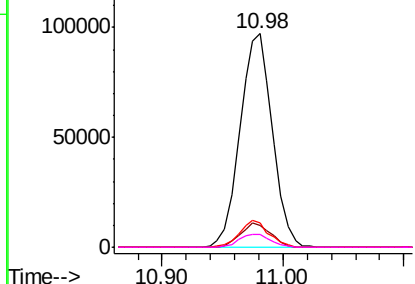
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BG039757.D
Acq: 5 Mar 2019 8:51

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	180231
Ion	Ratio	Lower Upper
136	100	
137	10.3	9.1 13.7
54	11.3	9.4 14.2
68	6.0	4.2 6.4

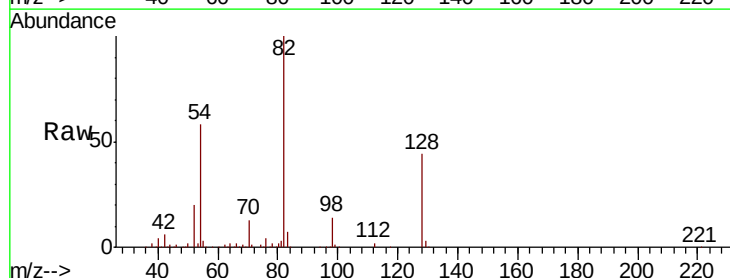


Abundance Ion 136.00 (135.70 to 136.70): E
150000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

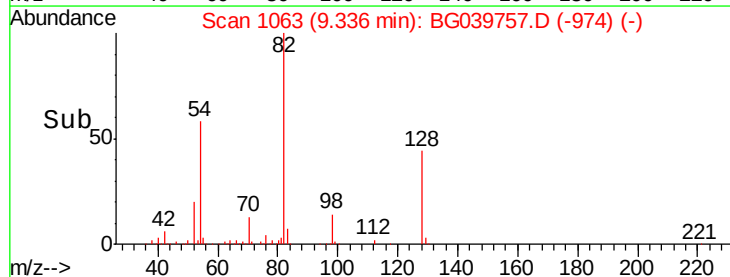
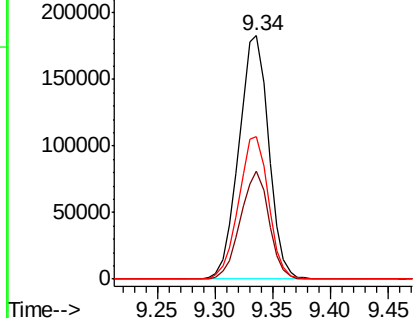


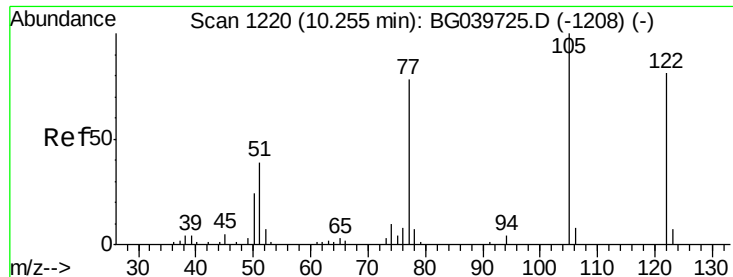
#23
Nitrobenzene-d5
Concen: 98.758 ng
RT: 9.34 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG039757.D
Acq: 5 Mar 2019 8:51

Tgt Ion: 82	Resp:	329104
Ion	Ratio	Lower Upper
82	100	
128	44.3	31.3 46.9
54	58.4	50.9 76.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
250000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

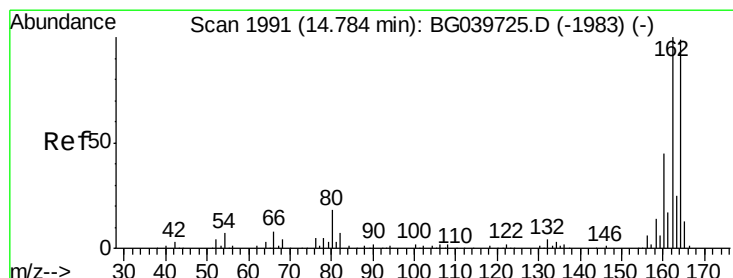
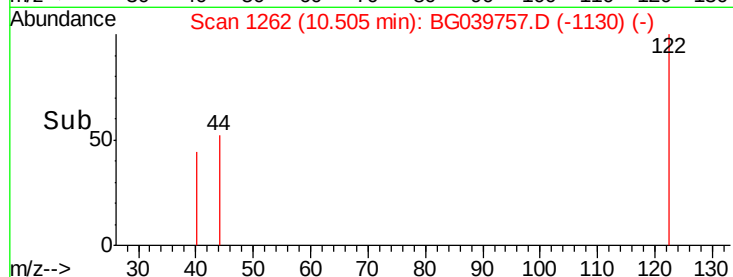
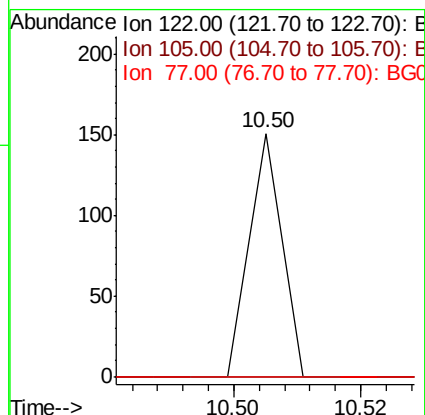
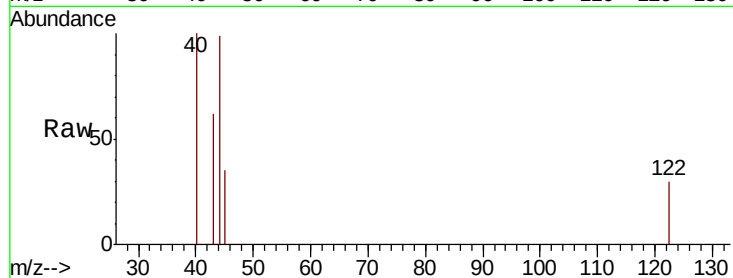




#32
Benzoic acid
Concen: 6.624 ng
RT: 10.50 min Scan# 1262
Delta R.T. 0.24 min
Lab File: BG039757.D
Acq: 5 Mar 2019 8:51

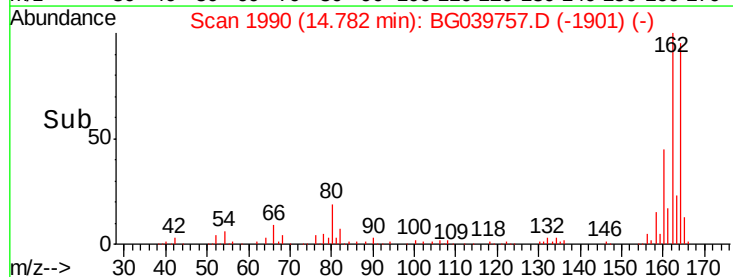
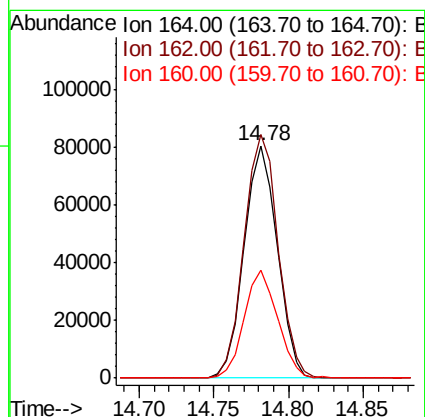
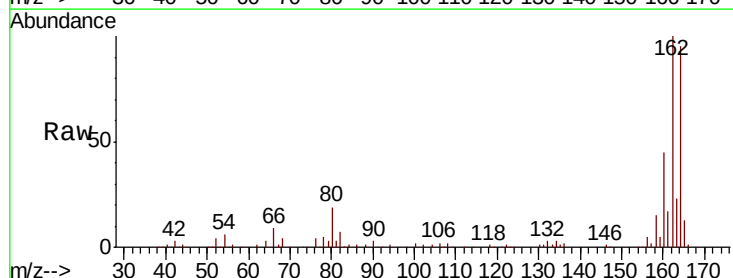
Instrument :
BNA_G
ClientSampleId :

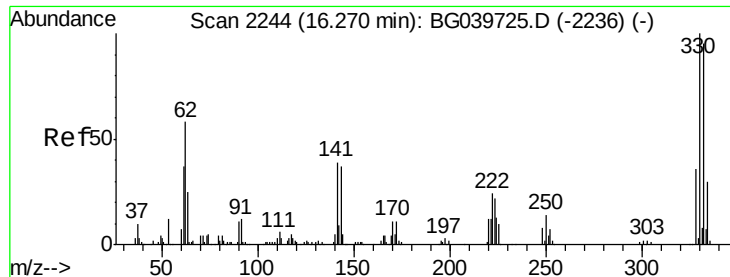
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.78 min Scan# 1990
Delta R.T. -0.01 min
Lab File: BG039757.D
Acq: 5 Mar 2019 8:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	81.6	122.4
160	46.7	34.2	51.2





#42

2,4,6-Tribromophenol

Concen: 157.163 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG039757.D

Acq: 5 Mar 2019 8:51

Instrument :

BNA_G

ClientSampleId :

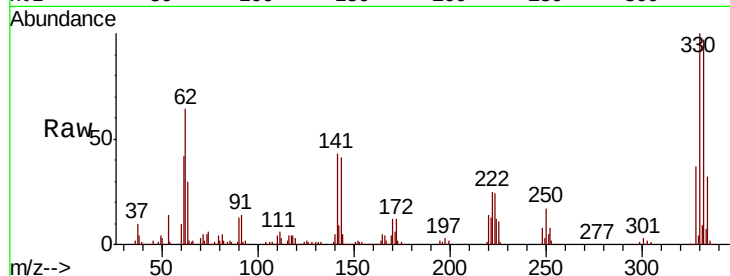
Tot Ion:330 Resp: 227163

Ion Ratio Lower Upper

330 100

332 96.2 75.7 113.5

141 43.1 35.6 53.4

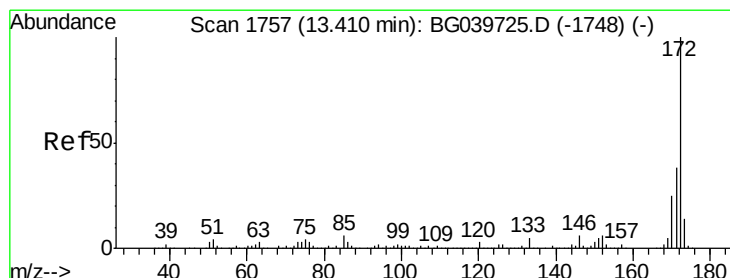
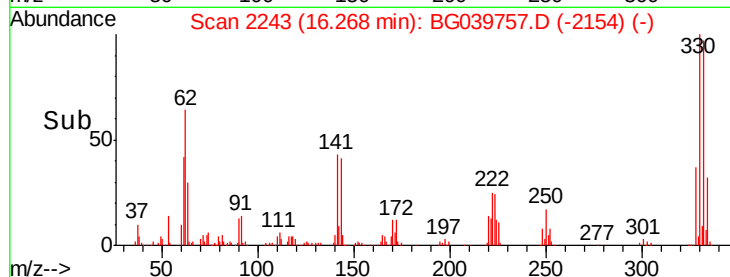
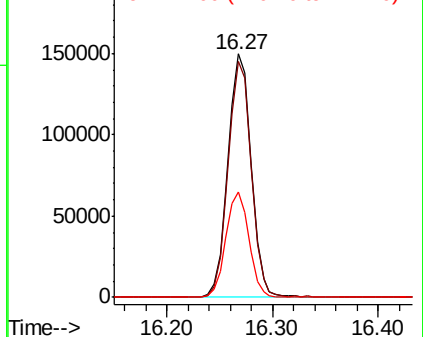


Abundance

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: 89.106 ng

RT: 13.40 min Scan# 1755

Delta R.T. -0.02 min

Lab File: BG039757.D

Acq: 5 Mar 2019 8:51

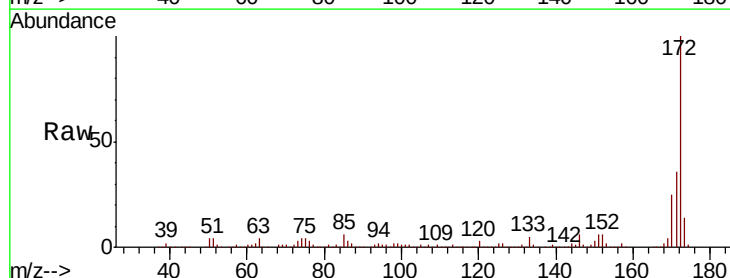
Tgt Ion:172 Resp: 776063

Ion Ratio Lower Upper

172 100

171 36.2 30.8 46.2

170 24.9 20.2 30.4

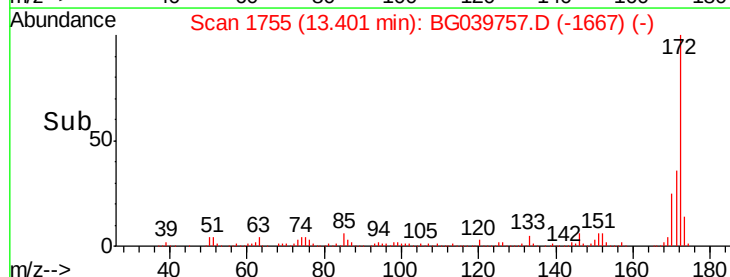
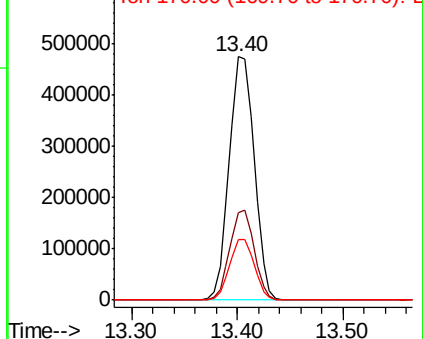


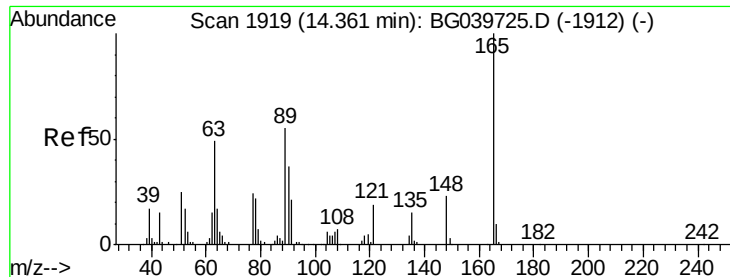
Abundance

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

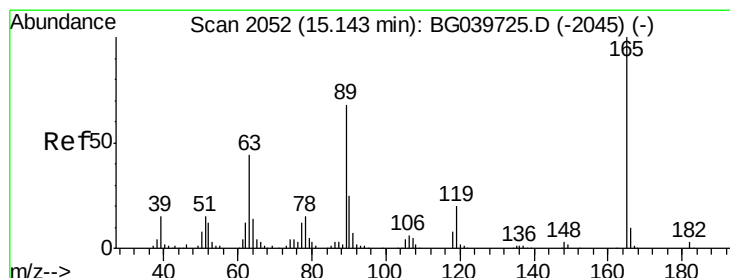
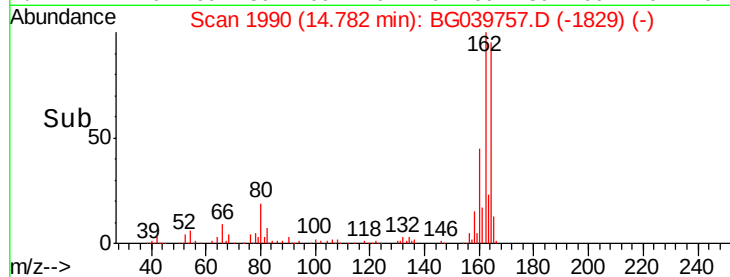
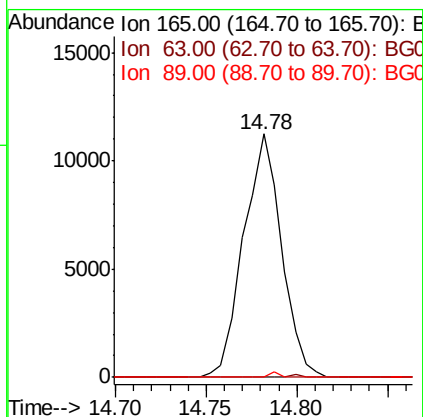
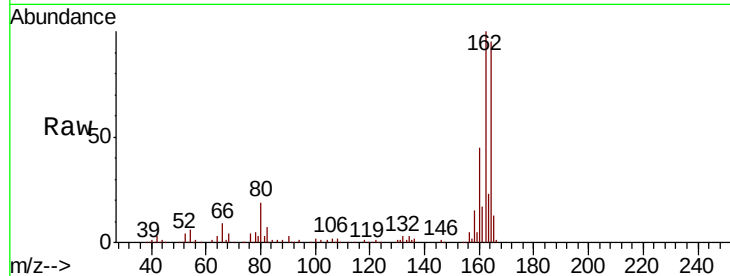




#51
 2,6-Dinitrotoluene
 Concen: 7.412 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. 0.41 min
 Lab File: BG039757.D
 Acq: 5 Mar 2019 8:51

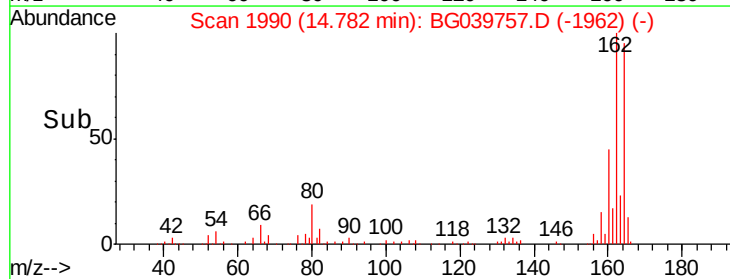
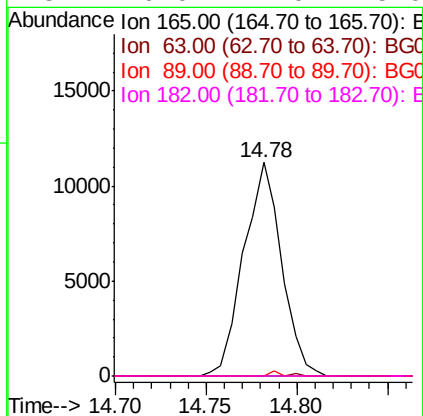
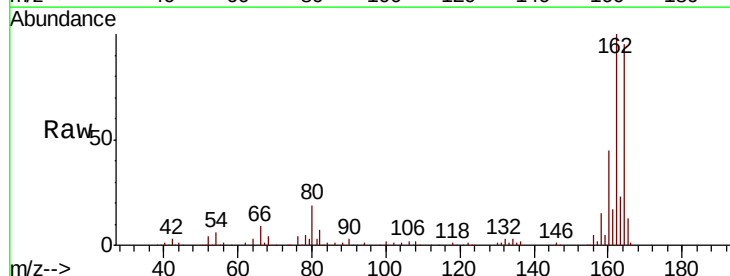
Instrument :
 BNA_G
 ClientSampleId :

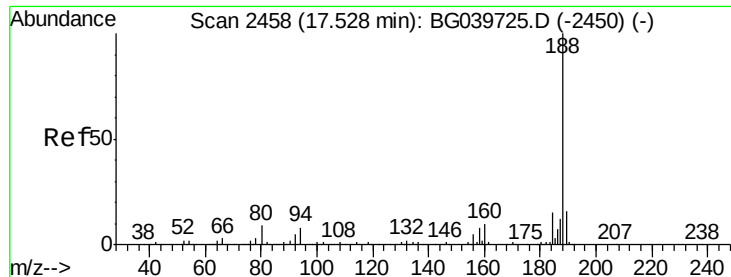
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.0	70.6#
89	0.0	45.8	68.8#



#57
 2,4-Dinitrotoluene
 Concen: 5.275 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. -0.37 min
 Lab File: BG039757.D
 Acq: 5 Mar 2019 8:51

Tgt 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#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2457

Delta R.T. -0.01 min

Lab File: BG039757.D

Acq: 5 Mar 2019 8:51

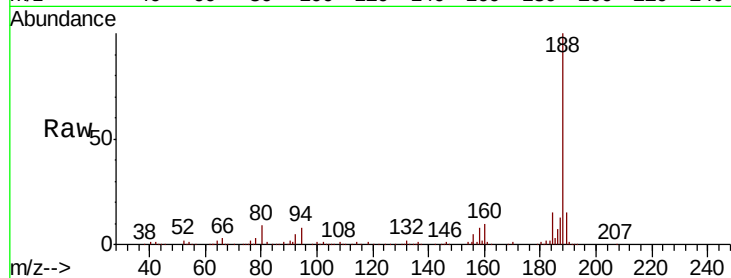
Instrument :

BNA_G

ClientSampled :

Tot Ion:188 Resp: 324207

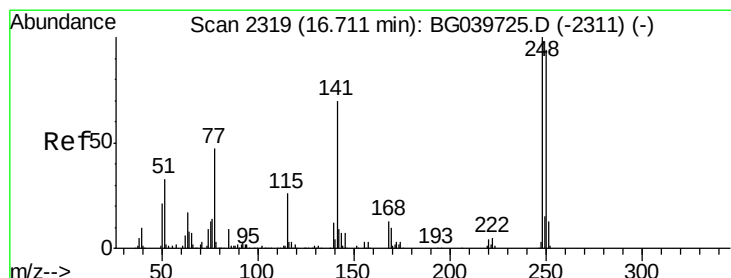
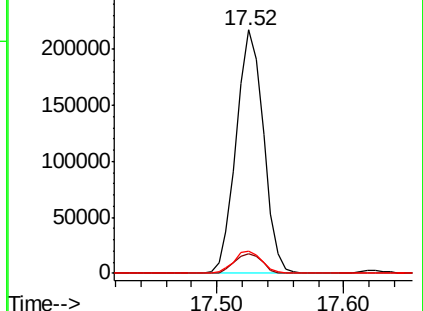
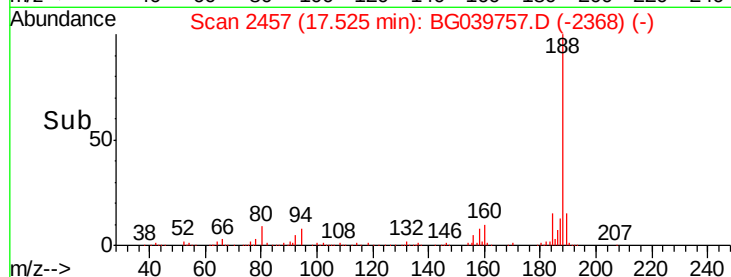
Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.9	10.3
80	9.1	8.1	12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#67

4-Bromophenyl-phenylether

Concen: 5.137 ng

RT: 16.27 min Scan# 2243

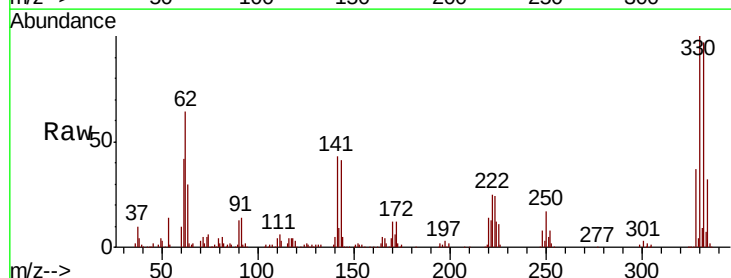
Delta R.T. -0.45 min

Lab File: BG039757.D

Acq: 5 Mar 2019 8:51

Tgt Ion:248 Resp: 18642

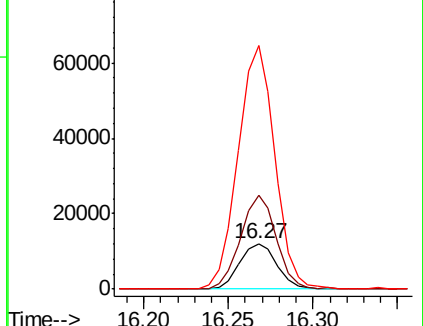
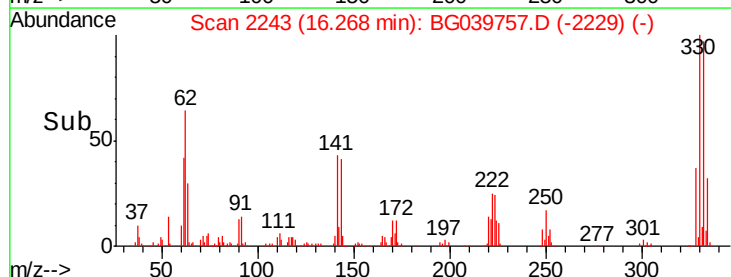
Ion	Ratio	Lower	Upper
248	100		
250	207.8	77.6	116.4#
141	535.4	63.9	95.9#

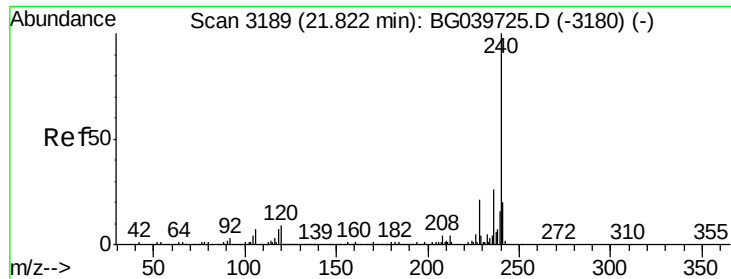


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

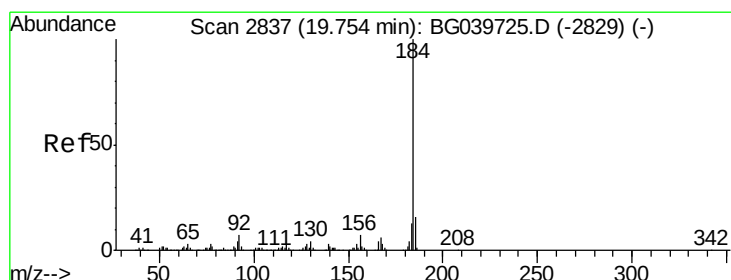
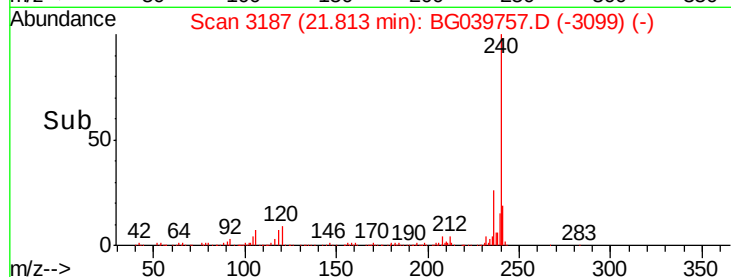
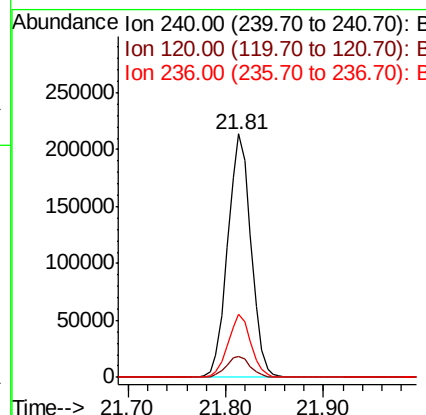
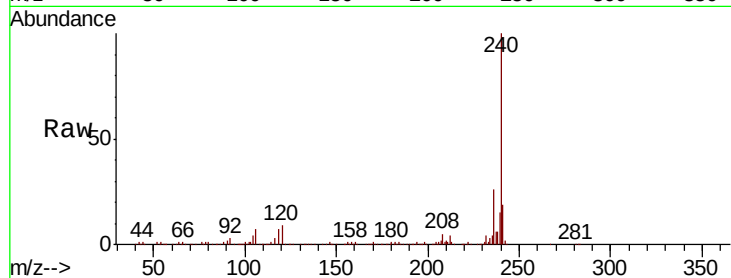




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.81 min Scan# 3187
Delta R.T. -0.02 min
Lab File: BG039757.D
Acq: 5 Mar 2019 8:51

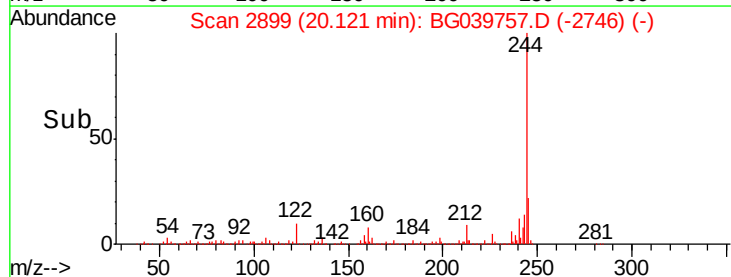
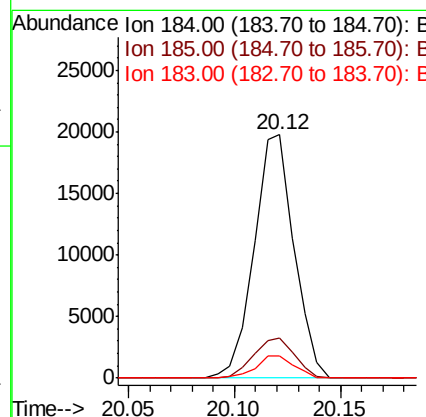
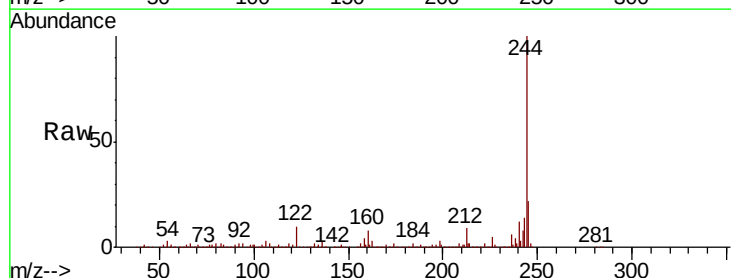
Instrument :
BNA_G
ClientSampleId :

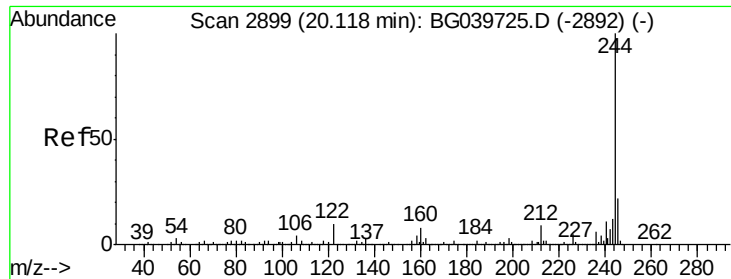
Tot Ion:240 Resp: 351967
Ion Ratio Lower Upper
240 100
120 8.6 7.0 10.6
236 25.7 21.0 31.4



#77
Benzidine
Concen: 2.326 ng
RT: 20.12 min Scan# 2899
Delta R.T. 0.37 min
Lab File: BG039757.D
Acq: 5 Mar 2019 8:51

Tgt Ion:184 Resp: 25981
Ion Ratio Lower Upper
184 100
185 16.5 12.2 18.2
183 9.3 10.6 15.8#





#79

Terphenyl-d14

Concen: 90.120 ng

RT: 20.12 min Scan# 2899

Delta R.T. -0.00 min

Lab File: BG039757.D

Acq: 5 Mar 2019 8:51

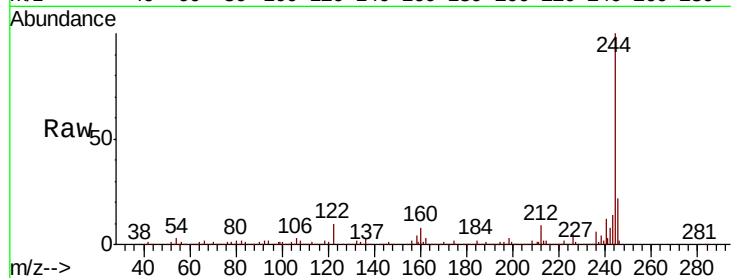
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1440607

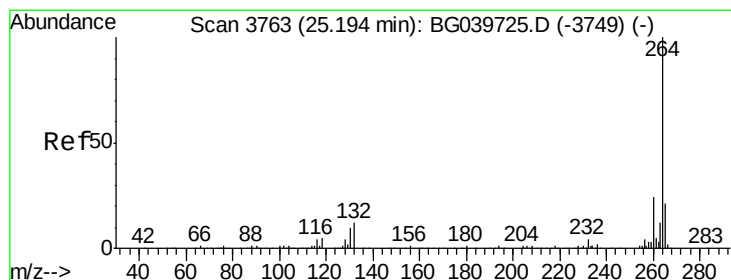
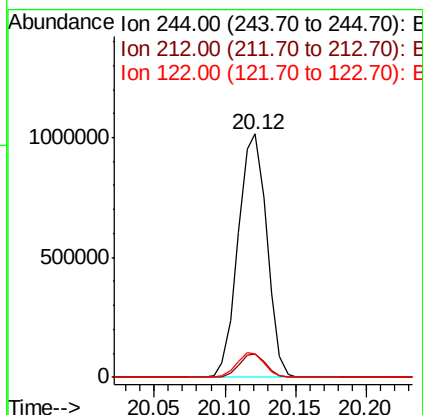
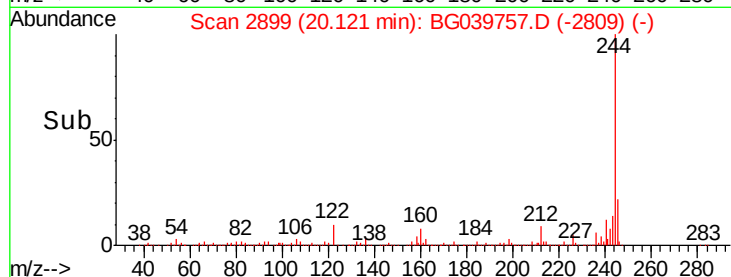
Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.3	10.9
122	9.6	8.4	12.6



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: 25.19 min Scan# 3761

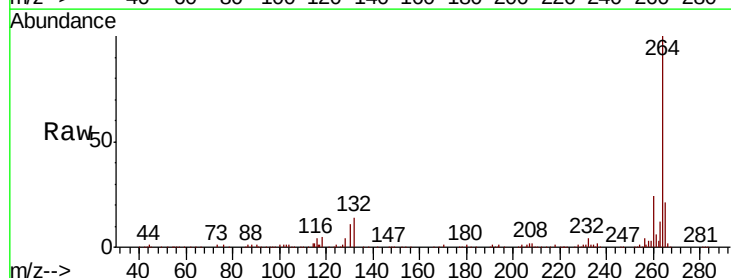
Delta R.T. -0.02 min

Lab File: BG039757.D

Acq: 5 Mar 2019 8:51

Tgt Ion:264 Resp: 347602

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.2	27.4
265	20.9	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

