

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030419\
 Data File : BG039758.D
 Acq On : 5 Mar 2019 9:31
 Operator : JU/SJ
 Sample : K1688-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 05 11:08:14 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

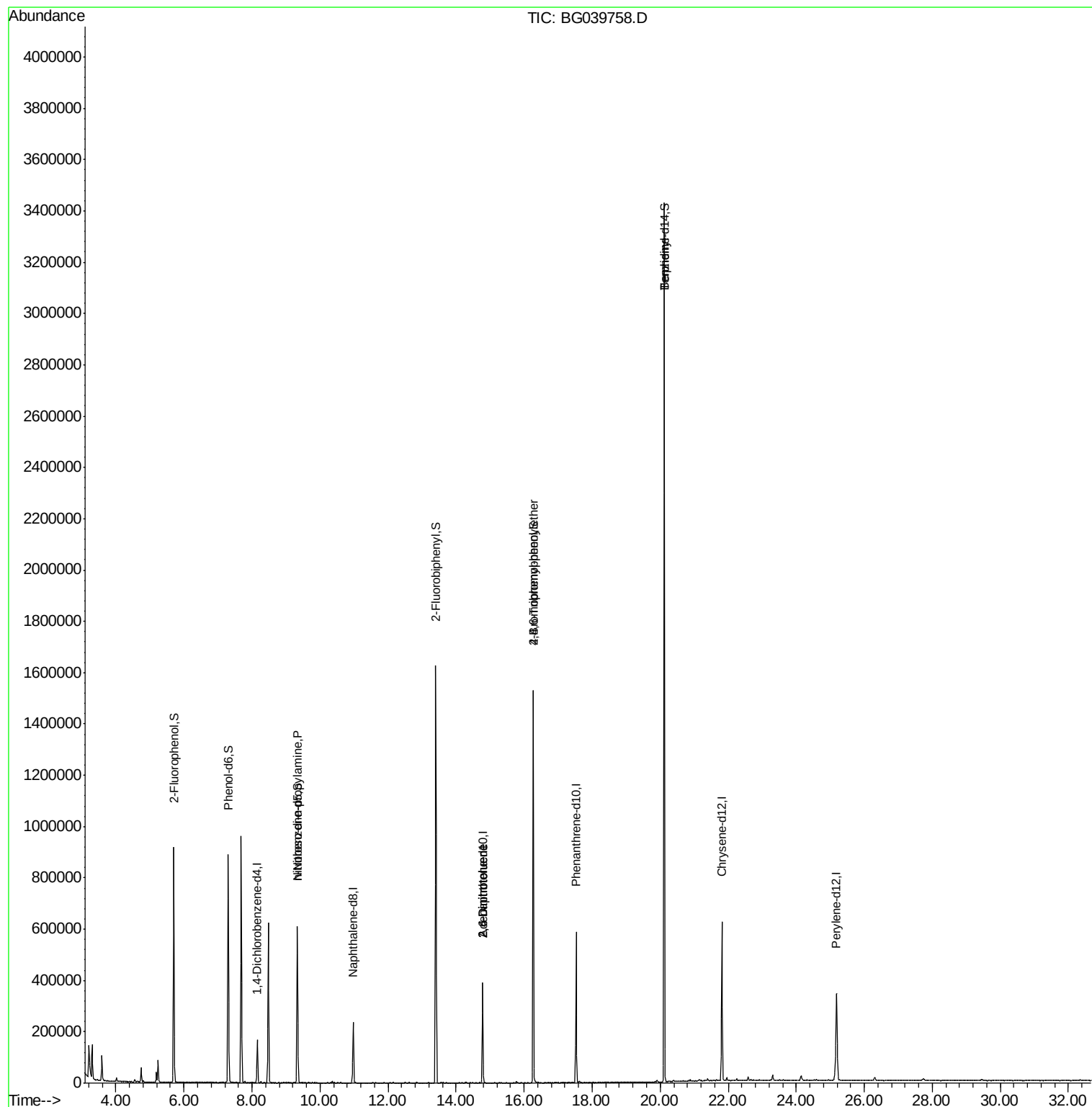
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	45883	20.00	ng	-0.01
21) Naphthalene-d8	10.98	136	200096	20.00	ng	-0.01
39) Acenaphthene-d10	14.78	164	140200	20.00	ng	-0.01
64) Phenanthrene-d10	17.53	188	360724	20.00	ng	0.00
76) Chrysene-d12	21.82	240	380433	20.00	ng	-0.01
87) Perylene-d12	25.19	264	381433	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	381343	141.79	ng	0.00
7) Phenol-d6	7.30	99	508420	126.78	ng	-0.01
23) Nitrobenzene-d5	9.33	82	361731	97.77	ng	-0.01
42) 2,4,6-Tribromophenol	16.27	330	260009	159.11	ng	0.00
45) 2-Fluorobiphenyl	13.40	172	853598	86.69	ng	-0.01
79) Terphenyl-d14	20.12	244	1594368	92.28	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.34	70	47189	16.349	ng	# 70
51) 2,6-Dinitrotoluene	14.78	165	17382	6.994	ng	# 24
57) 2,4-Dinitrotoluene	14.78	165	17382	4.977	ng	# 19
67) 4-Bromophenyl-phenylether	16.27	248	20793	5.150	ng	# 1
77) Benzidine	20.12	184	30276	2.508	ng	# 90

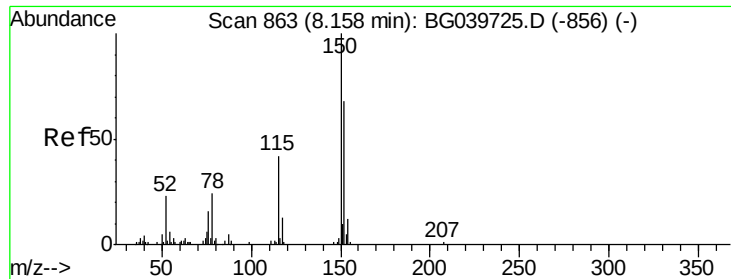
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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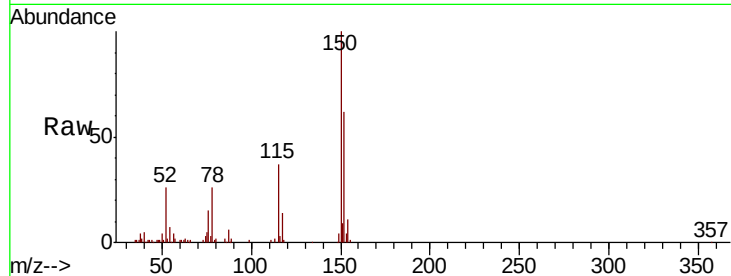


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: BG039758.D
Acq: 5 Mar 2019 9:31

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.4	123.7	185.5
115	60.3	45.9	68.9

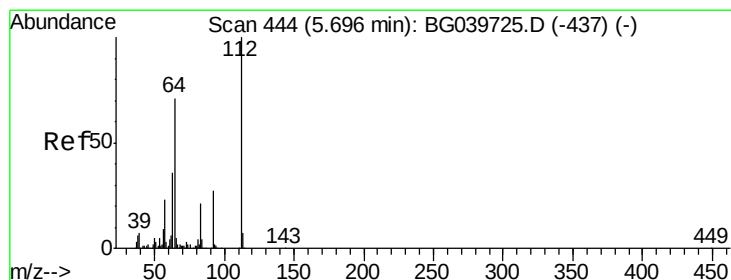
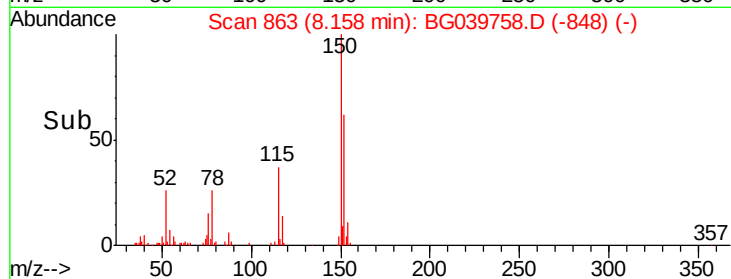
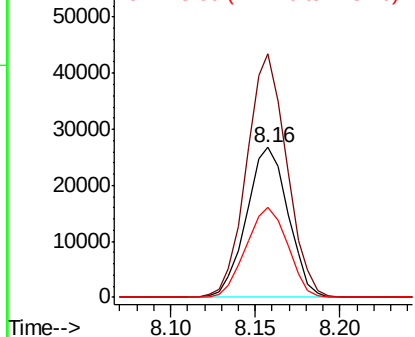


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

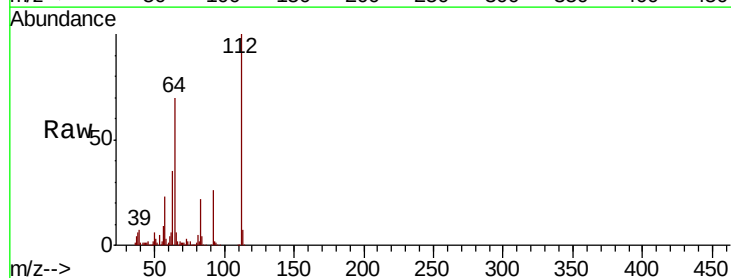
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 141.790 ng
RT: 5.70 min Scan# 445
Delta R.T. -0.01 min
Lab File: BG039758.D
Acq: 5 Mar 2019 9:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.6	57.8	86.8
63	35.4	29.8	44.6

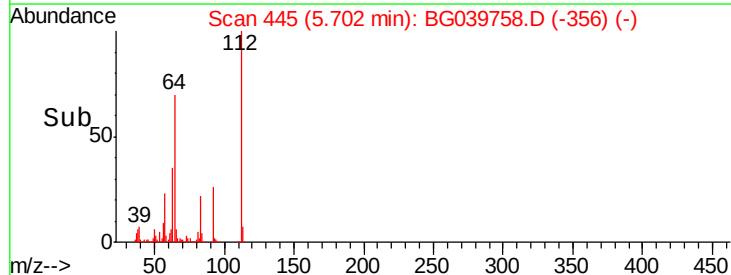
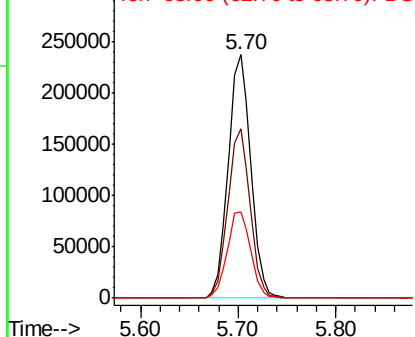


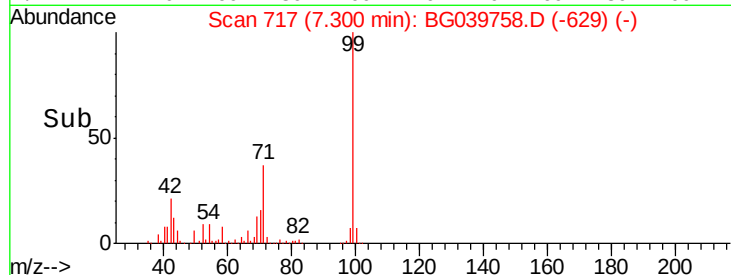
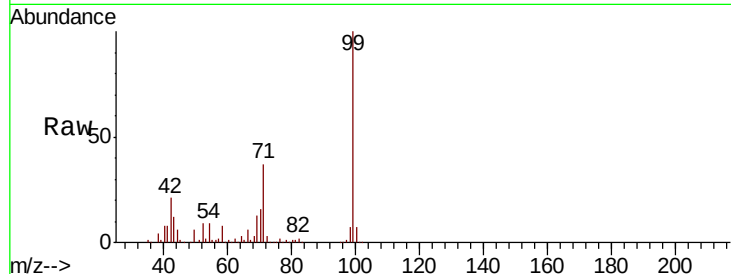
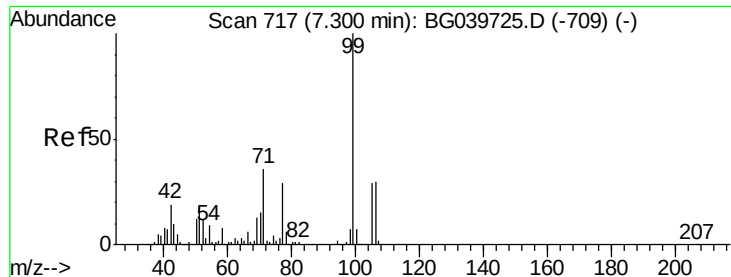
Abundance

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: 126.782 ng

RT: 7.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BG039758.D

Acq: 5 Mar 2019 9:31

Instrument :

BNA_G

ClientSampleId :

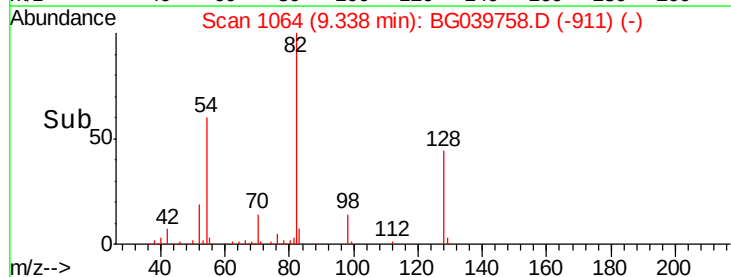
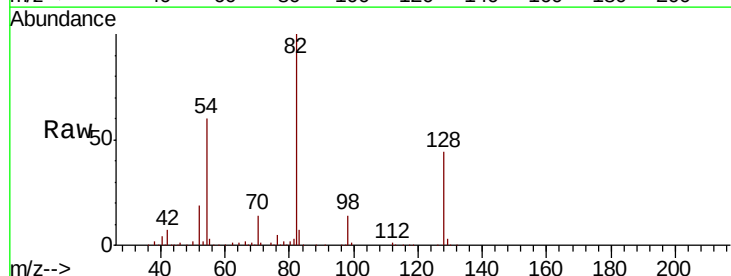
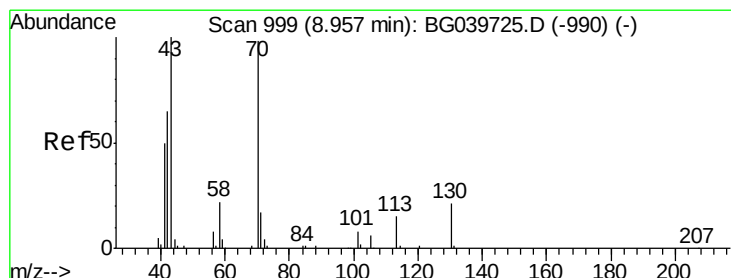
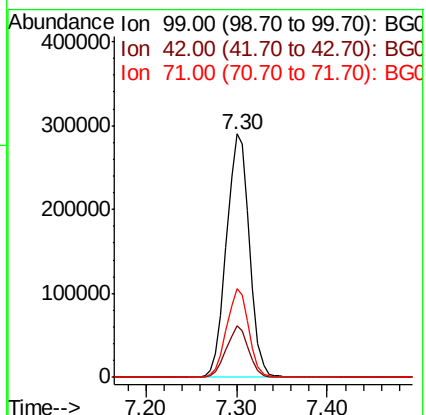
Tot Ion: 99 Resp: 508420

Ion Ratio Lower Upper

99 100

42 21.3 18.2 27.2

71 36.5 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.349 ng

RT: 9.34 min Scan# 1064

Delta R.T. 0.37 min

Lab File: BG039758.D

Acq: 5 Mar 2019 9:31

Tgt Ion: 70 Resp: 47189

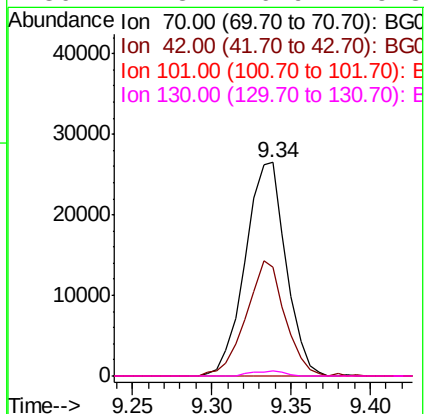
Ion Ratio Lower Upper

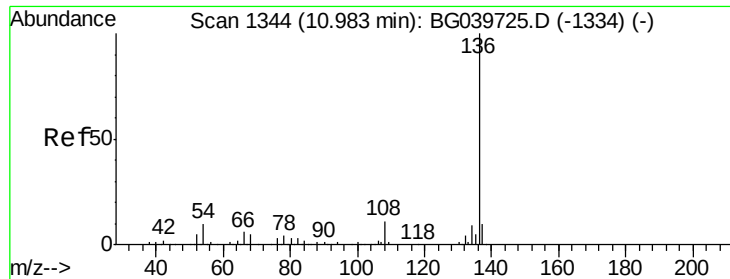
70 100

42 51.2 60.4 90.6#

101 0.0 7.5 11.3#

130 2.3 16.9 25.3#

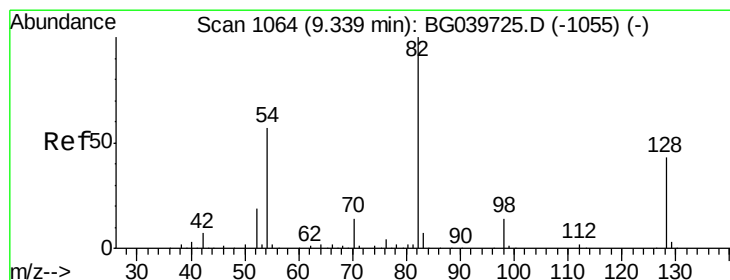
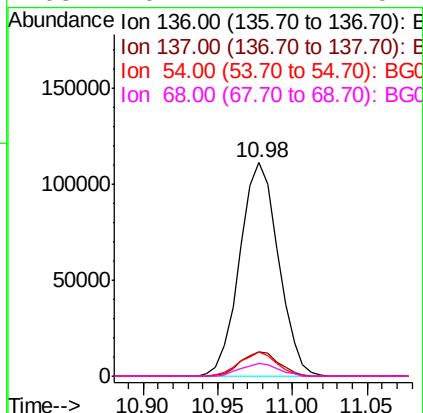
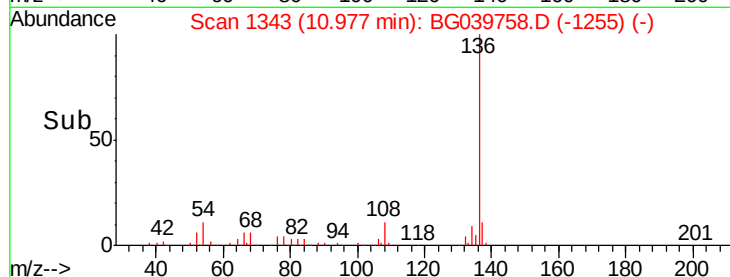
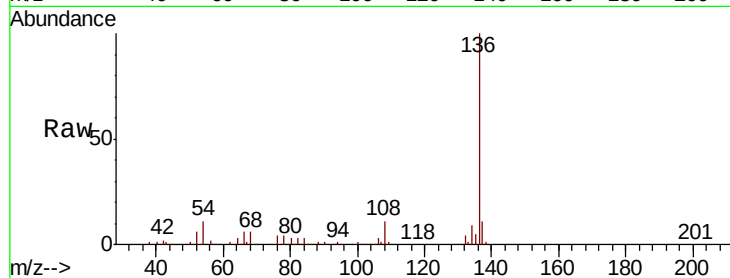




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BG039758.D
Acq: 5 Mar 2019 9:31

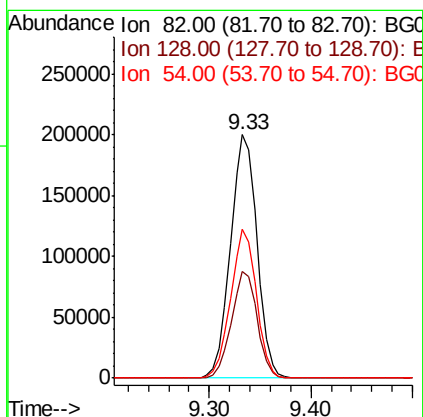
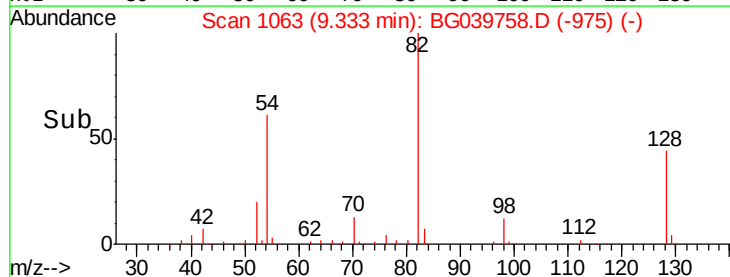
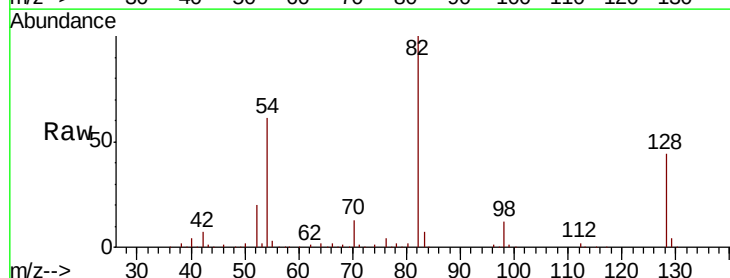
Instrument :
BNA_G
ClientSampleId :

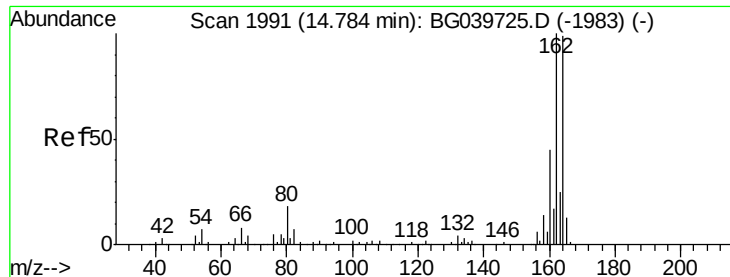
Tot Ion:136	Resp:	200096
Ion Ratio	Lower	Upper
136	100	
137	11.5	9.1 13.7
54	11.2	9.4 14.2
68	6.2	4.2 6.4



#23
Nitrobenzene-d5
Concen: 97.772 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG039758.D
Acq: 5 Mar 2019 9:31

Tgt Ion: 82	Resp:	361731
Ion Ratio	Lower	Upper
82	100	
128	43.9	31.3 46.9
54	61.0	50.9 76.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BG039758.D

Acq: 5 Mar 2019 9:31

Instrument :

BNA_G

ClientSampleId :

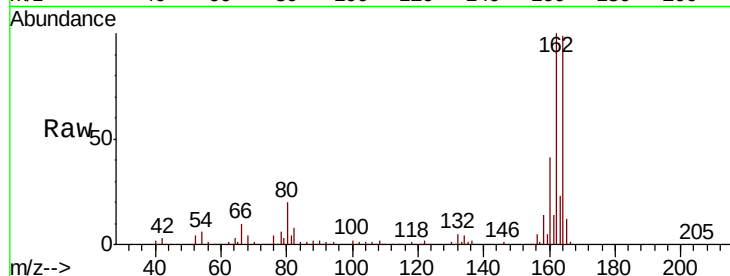
Tot Ion:164 Resp: 140200

Ion Ratio Lower Upper

164 100

162 100.6 81.6 122.4

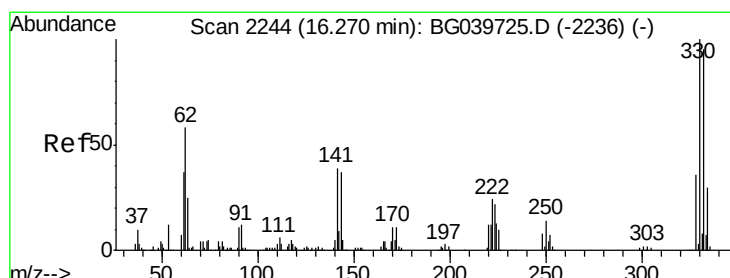
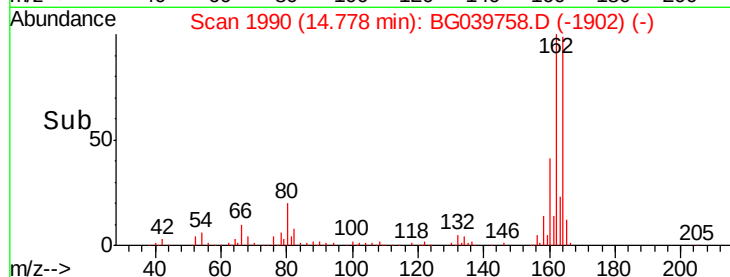
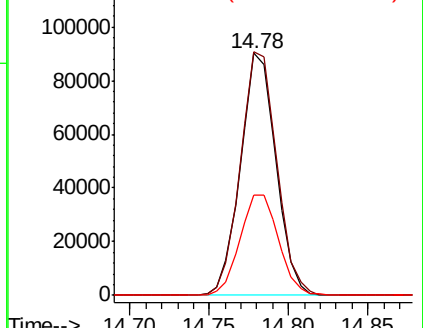
160 41.6 34.2 51.2



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: 159.111 ng

RT: 16.27 min Scan# 2244

Delta R.T. -0.01 min

Lab File: BG039758.D

Acq: 5 Mar 2019 9:31

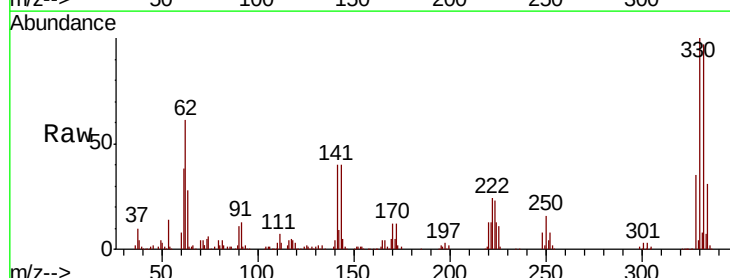
Tgt Ion:330 Resp: 260009

Ion Ratio Lower Upper

330 100

332 95.2 75.7 113.5

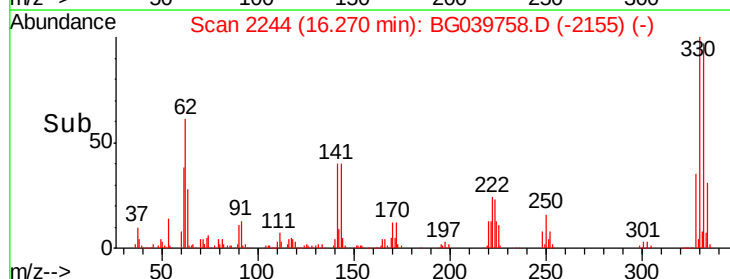
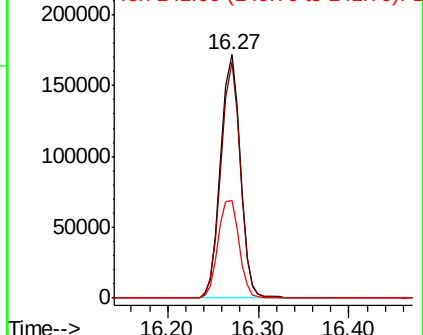
141 42.4 35.6 53.4

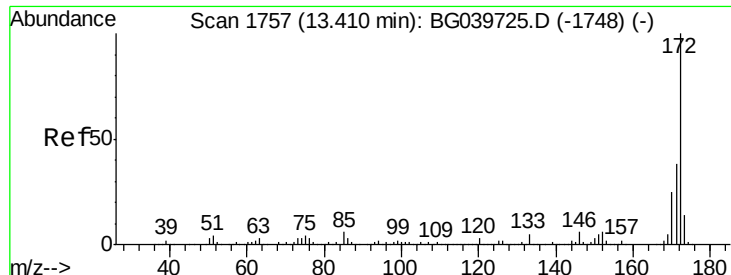


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

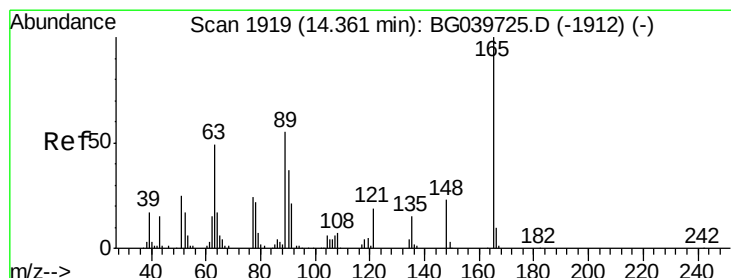
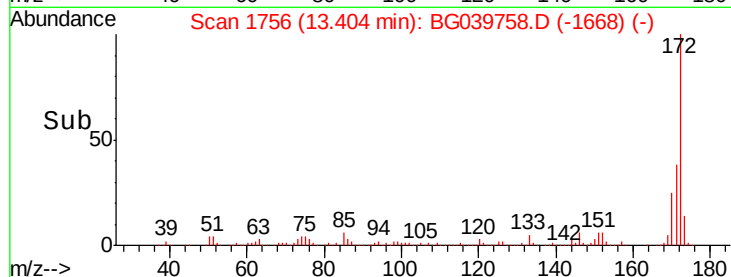
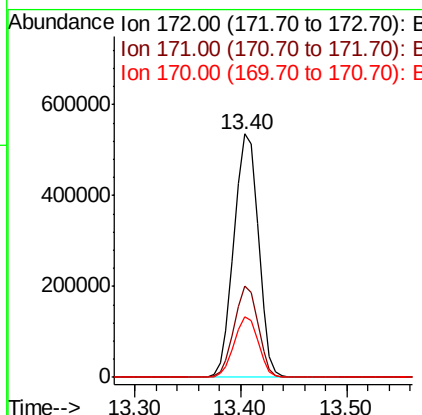
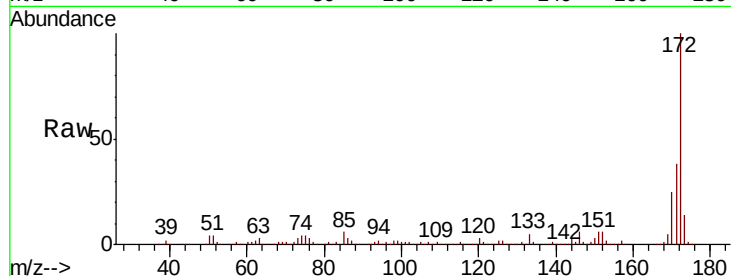




#45
 2-Fluorobiphenyl
 Concen: 86.689 ng
 RT: 13.40 min Scan# 1756
 Delta R.T. -0.01 min
 Lab File: BG039758.D
 Acq: 5 Mar 2019 9:31

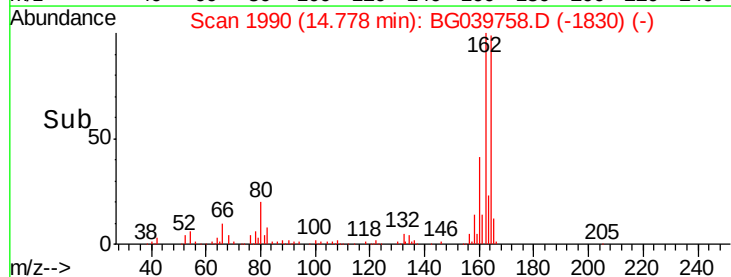
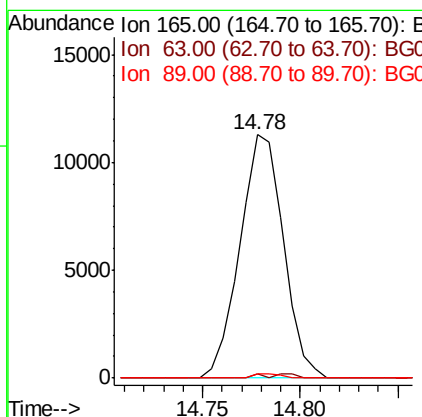
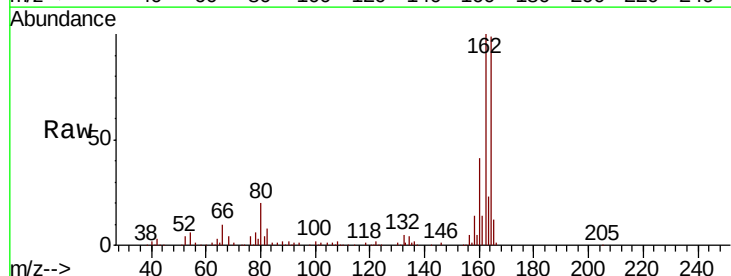
Instrument :
 BNA_G
 ClientSampleId :

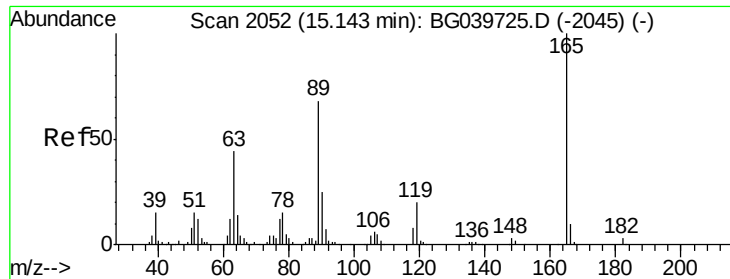
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.8	46.2
170	25.0	20.2	30.4



#51
 2,6-Dinitrotoluene
 Concen: 6.994 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. 0.41 min
 Lab File: BG039758.D
 Acq: 5 Mar 2019 9:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	47.0	70.6#
89	1.9	45.8	68.8#

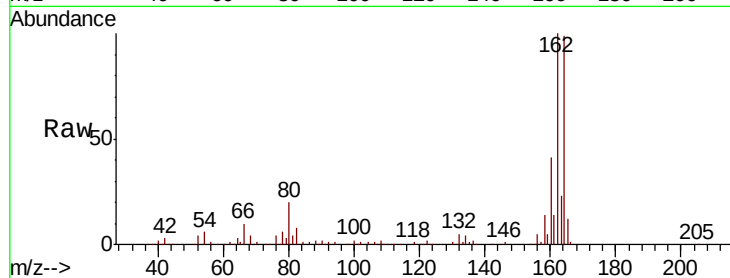




#57
 2,4-Dinitrotoluene
 Concen: 4.977 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. -0.37 min
 Lab File: BG039758.D
 Acq: 5 Mar 2019 9:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	41.0	61.6#
89	1.9	64.6	96.8#
182	0.0	2.0	3.0#

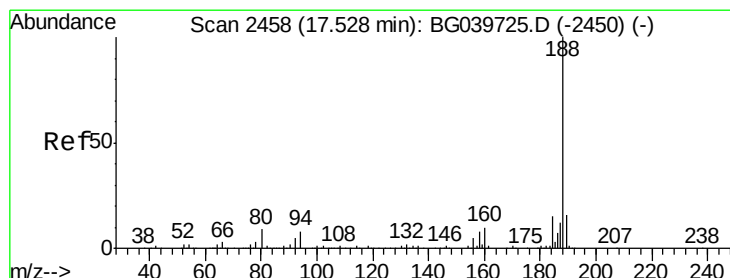
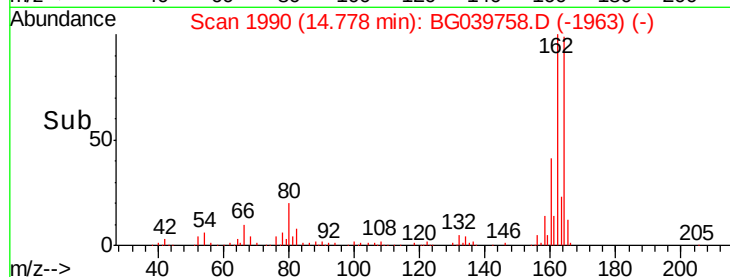
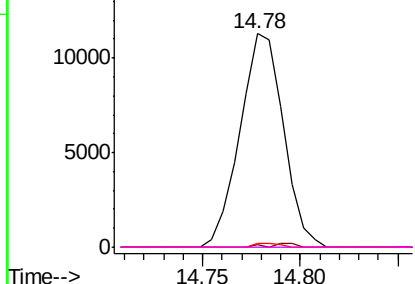


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

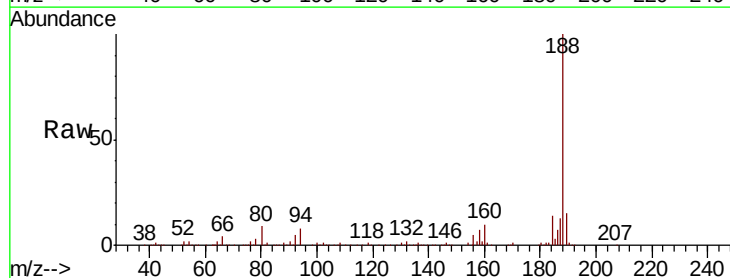
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.53 min Scan# 2458
 Delta R.T. -0.01 min
 Lab File: BG039758.D
 Acq: 5 Mar 2019 9:31

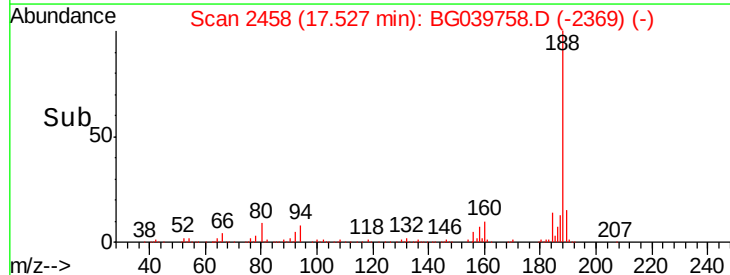
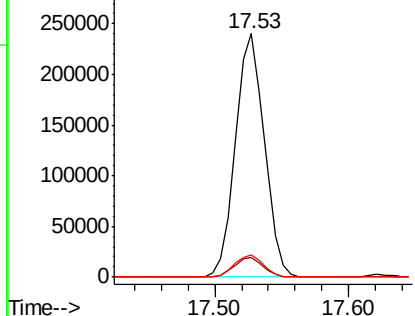
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.9	10.3
80	9.3	8.1	12.1

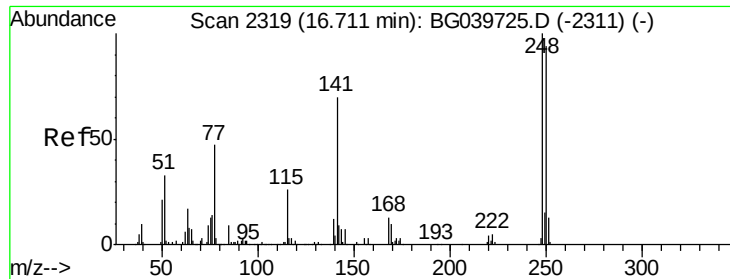


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

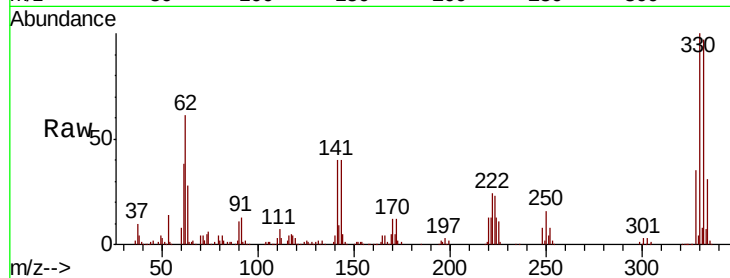




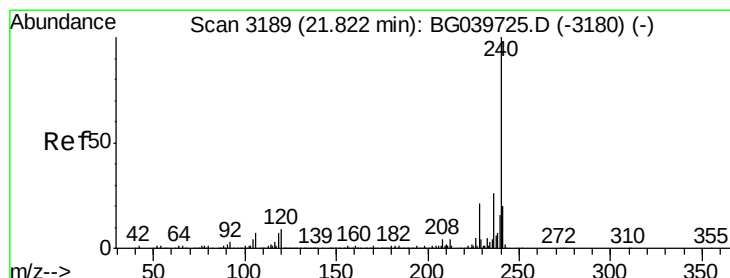
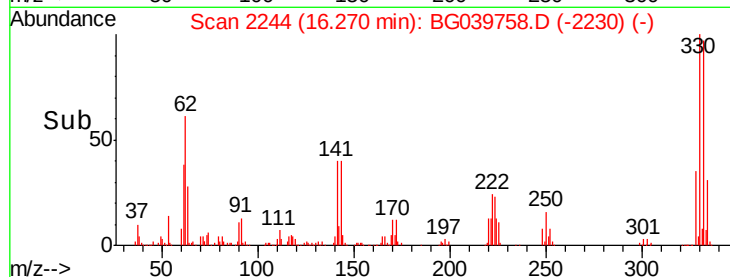
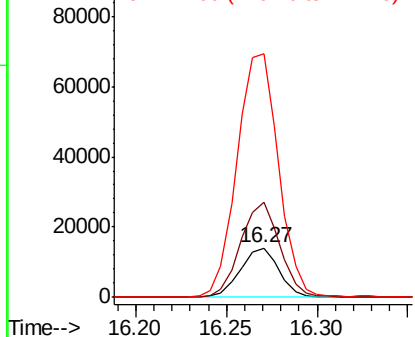
#67
 4-Bromophenyl-phenylether
 Concen: 5.150 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.45 min
 Lab File: BG039758.D
 Acq: 5 Mar 2019 9:31

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 20793
 Ion Ratio Lower Upper
 248 100
 250 191.1 77.6 116.4#
 141 492.0 63.9 95.9#

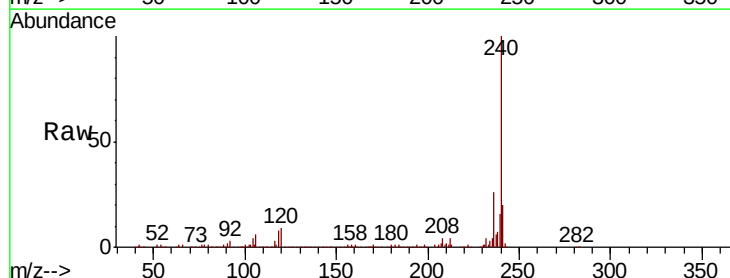


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

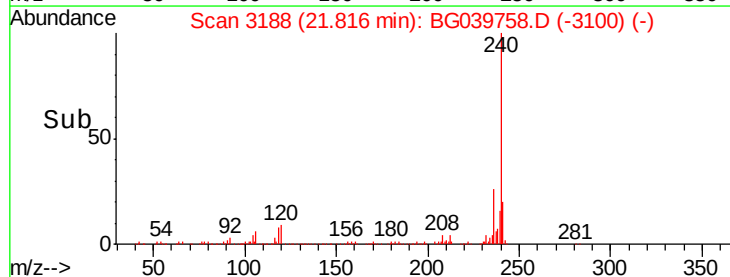
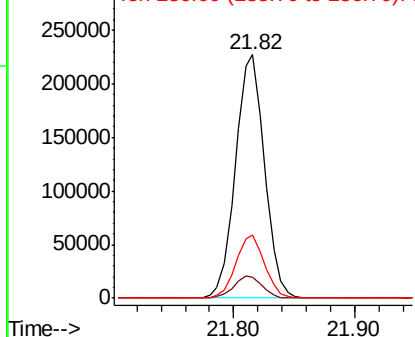


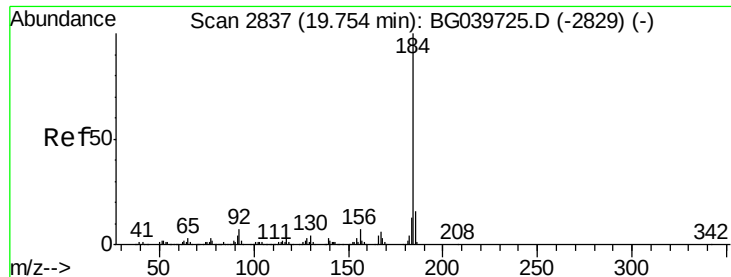
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3188
 Delta R.T. -0.01 min
 Lab File: BG039758.D
 Acq: 5 Mar 2019 9:31

Tgt Ion:240 Resp: 380433
 Ion Ratio Lower Upper
 240 100
 120 8.6 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

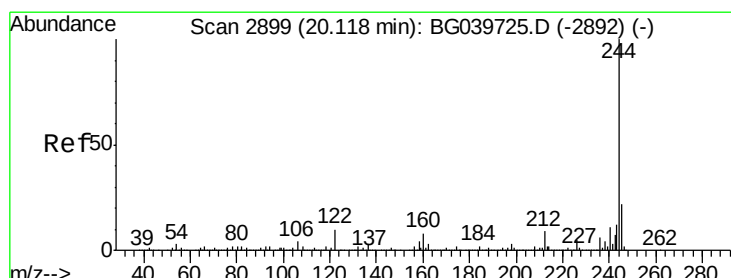
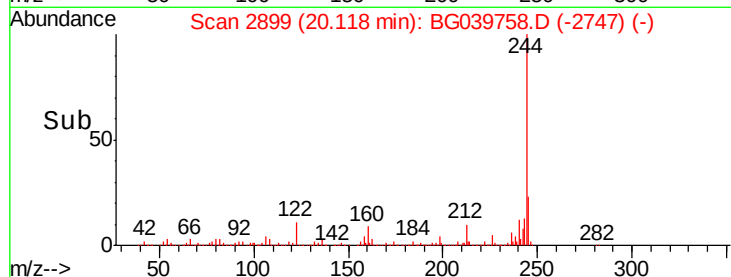
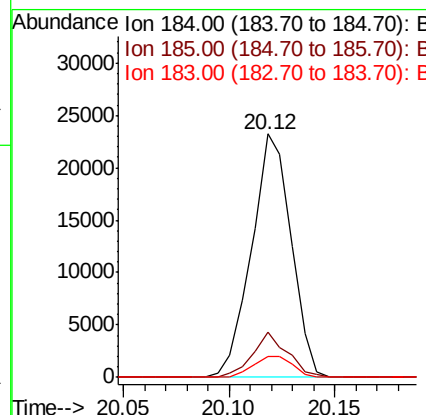
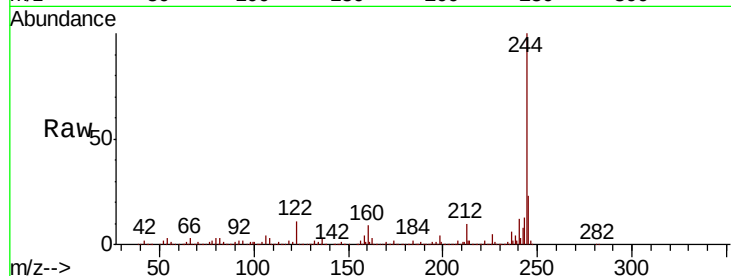




#77
Benzidine
Concen: 2.508 ng
RT: 20.12 min Scan# 2899
Delta R.T. 0.36 min
Lab File: BG039758.D
Acq: 5 Mar 2019 9:31

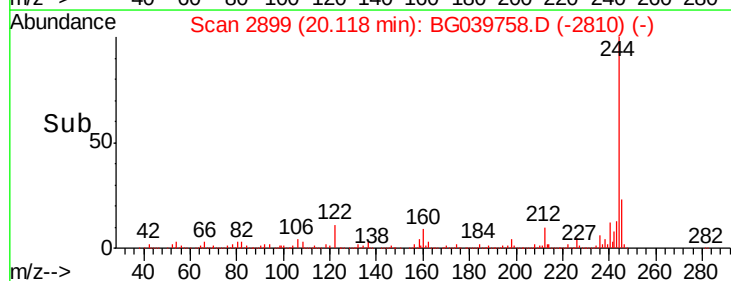
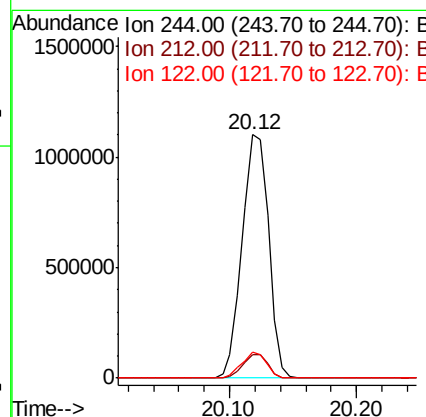
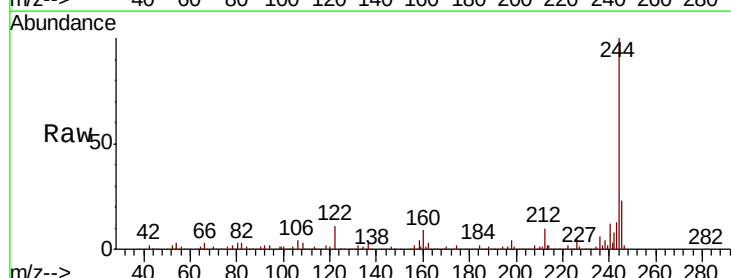
Instrument :
BNA_G
ClientSampleId :

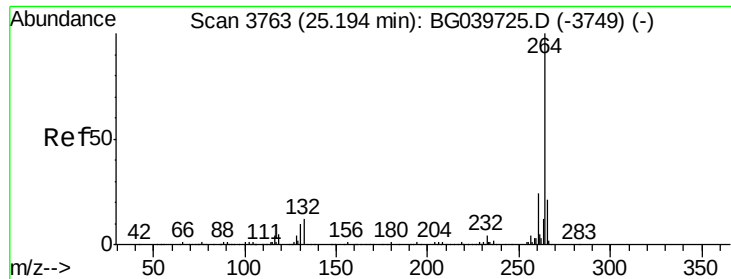
Tot Ion:184 Resp: 30276
Ion Ratio Lower Upper
184 100
185 18.8 12.2 18.2#
183 8.6 10.6 15.8#



#79
Terphenyl-d14
Concen: 92.276 ng
RT: 20.12 min Scan# 2899
Delta R.T. -0.01 min
Lab File: BG039758.D
Acq: 5 Mar 2019 9:31

Tgt Ion:244 Resp: 1594368
Ion Ratio Lower Upper
244 100
212 9.8 7.3 10.9
122 10.5 8.4 12.6





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.19 min Scan# 3762
Delta R.T. -0.01 min
Lab File: BG039758.D
Acq: 5 Mar 2019 9:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.2	27.4
265	22.2	18.5	27.7

