

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030419\
 Data File : BG039756.D
 Acq On : 5 Mar 2019 8:12
 Operator : JU/SJ
 Sample : K1688-12
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 05 11:07:54 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

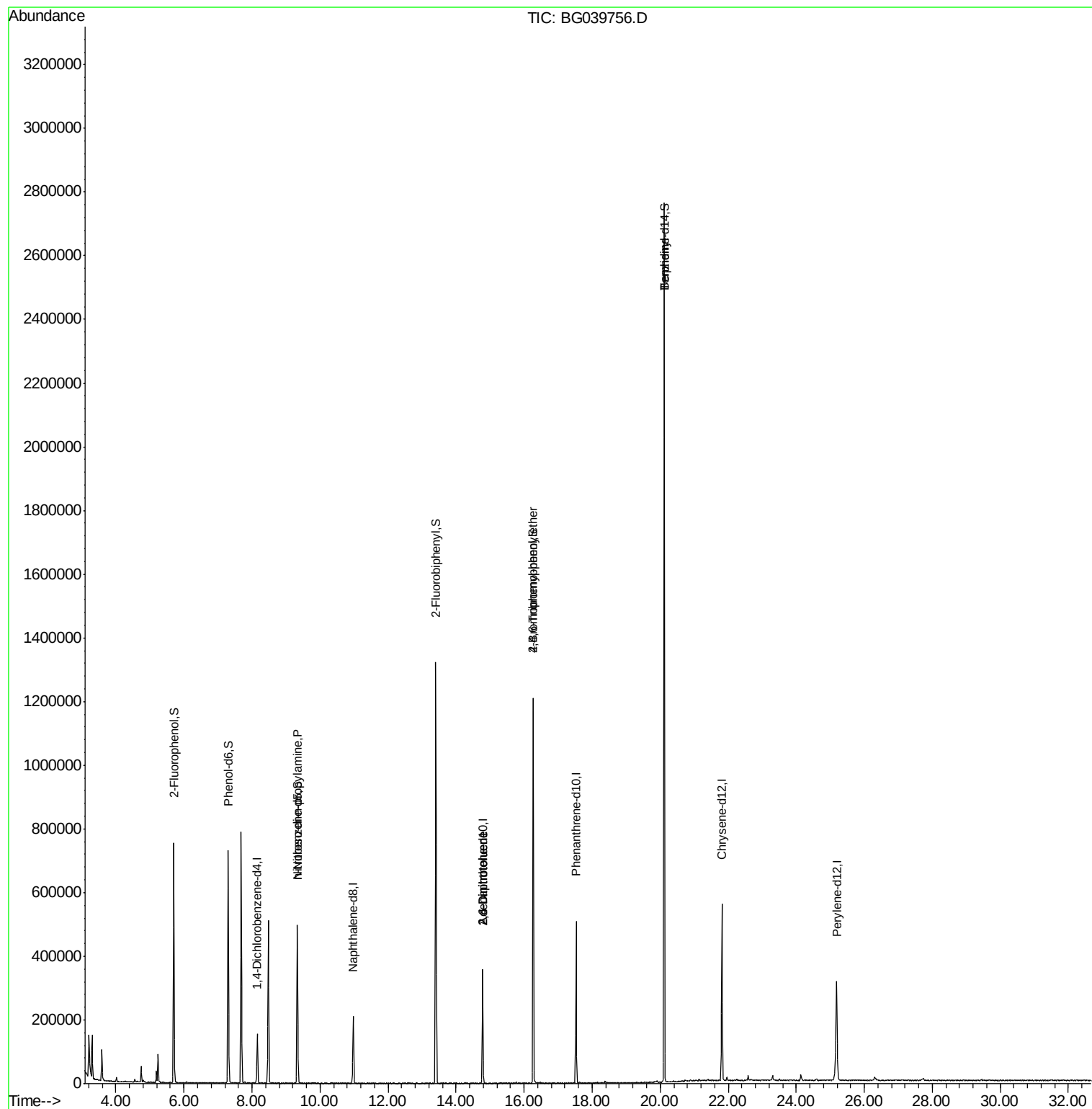
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	41968	20.00	ng	-0.01
21) Naphthalene-d8	10.98	136	179099	20.00	ng	-0.01
39) Acenaphthene-d10	14.78	164	121751	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	319593	20.00	ng	0.00
76) Chrysene-d12	21.82	240	342863	20.00	ng	-0.01
87) Perylene-d12	25.19	264	337983	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	311576	126.66	ng	0.00
7) Phenol-d6	7.30	99	411716	112.24	ng	-0.01
23) Nitrobenzene-d5	9.33	82	294586	88.96	ng	-0.01
42) 2,4,6-Tribromophenol	16.27	330	202125	142.43	ng	0.00
45) 2-Fluorobiphenyl	13.40	172	704160	82.35	ng	-0.01
79) Terphenyl-d14	20.12	244	1326866	85.21	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	38662	14.644	ng	# 73
51) 2,6-Dinitrotoluene	14.78	165	15754	7.299	ng	# 24
57) 2,4-Dinitrotoluene	14.78	165	15754	5.195	ng	# 19
67) 4-Bromophenyl-phenylether	16.27	248	16448	4.598	ng	# 1
77) Benzidine	20.12	184	24244	2.228	ng	# 94

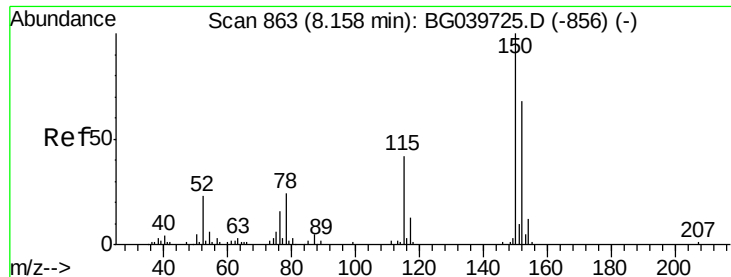
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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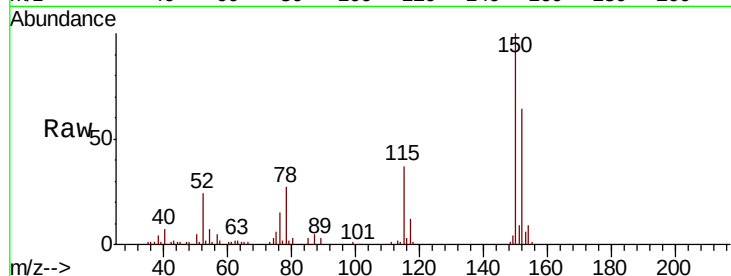


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: BG039756.D
Acq: 5 Mar 2019 8:12

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	123.7	185.5
115	57.4	45.9	68.9

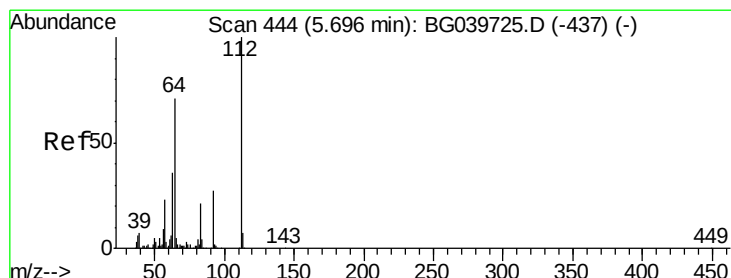
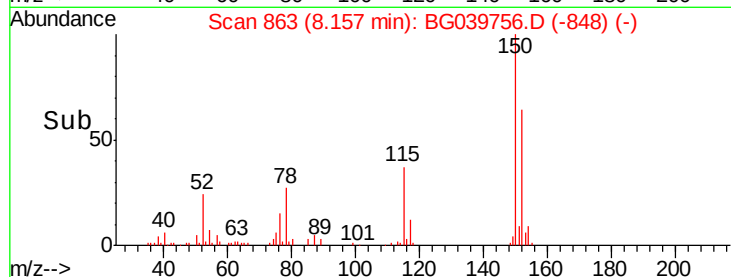
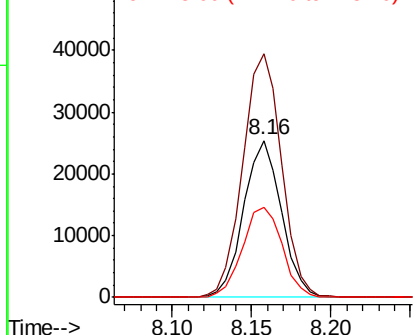


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

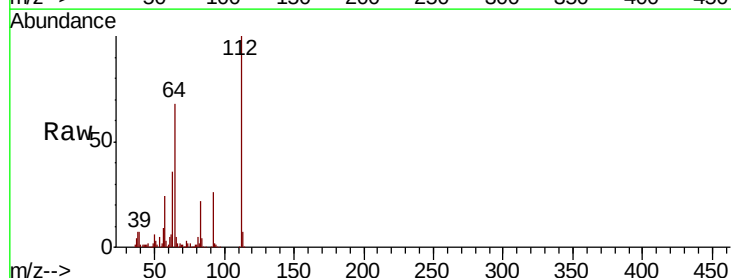
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 126.656 ng
RT: 5.70 min Scan# 445
Delta R.T. -0.01 min
Lab File: BG039756.D
Acq: 5 Mar 2019 8:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.9	57.8	86.8
63	36.1	29.8	44.6

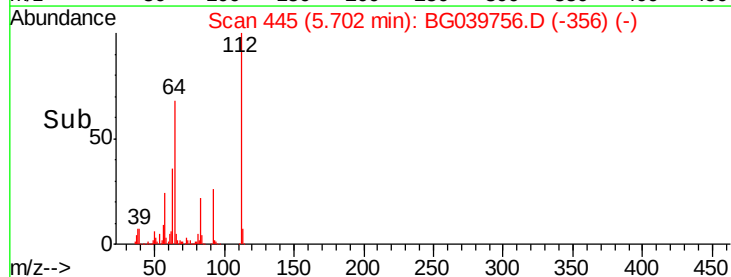
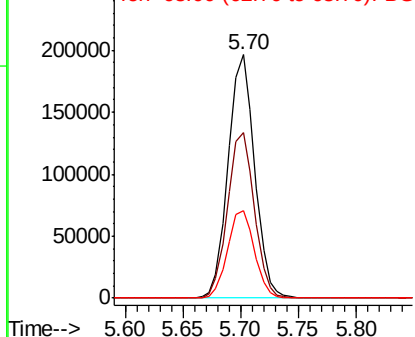


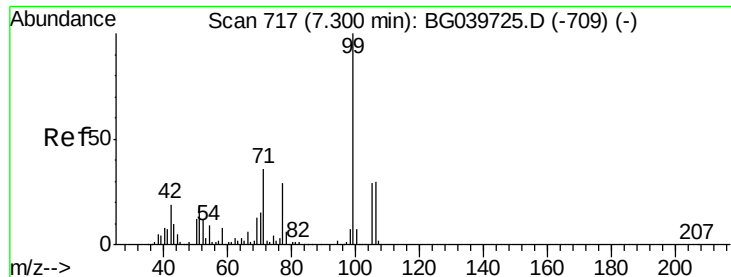
Abundance

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: 112.245 ng

RT: 7.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BG039756.D

Acq: 5 Mar 2019 8:12

Instrument :

BNA_G

ClientSampleId :

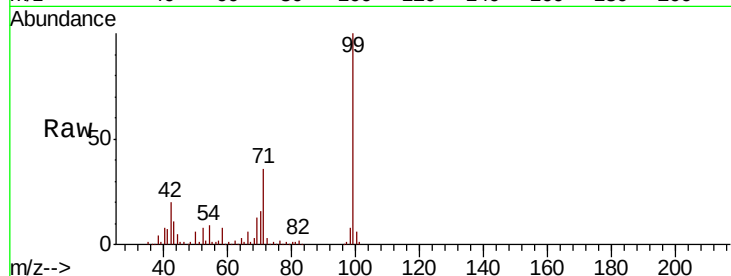
Tot Ion: 99 Resp: 411716

Ion Ratio Lower Upper

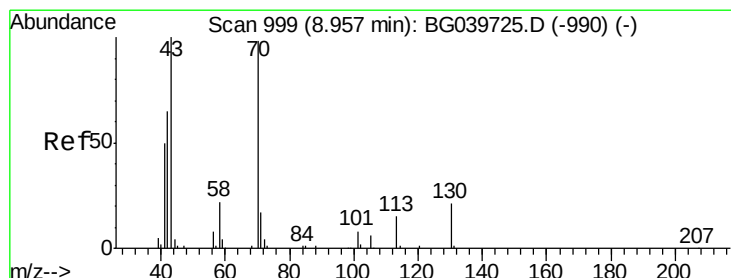
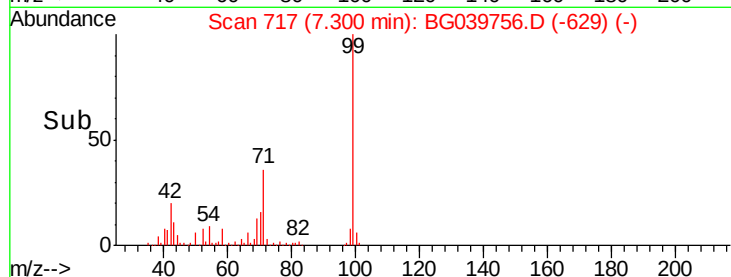
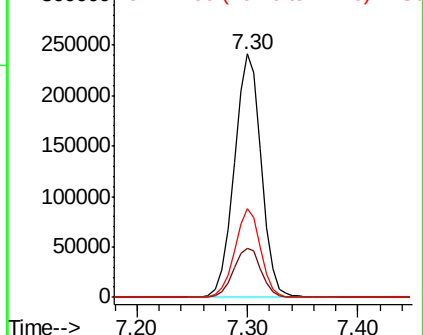
99 100

42 20.3 18.2 27.2

71 36.4 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: 14.644 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.36 min

Lab File: BG039756.D

Acq: 5 Mar 2019 8:12

Tgt Ion: 70 Resp: 38662

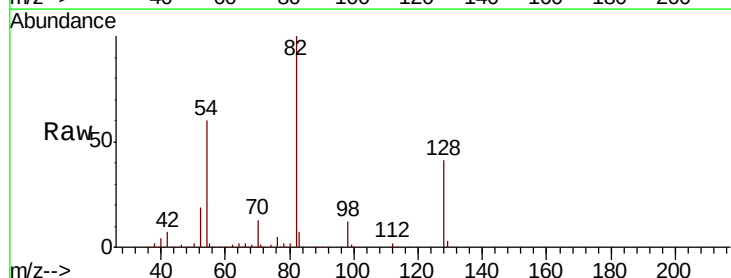
Ion Ratio Lower Upper

70 100

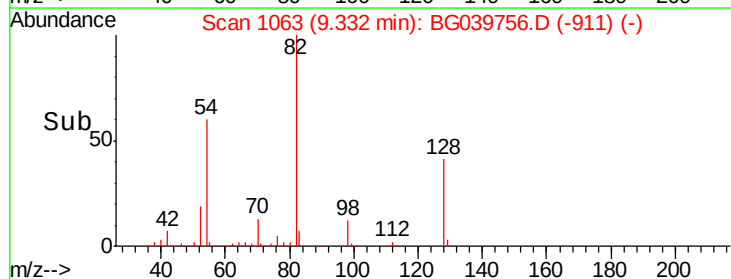
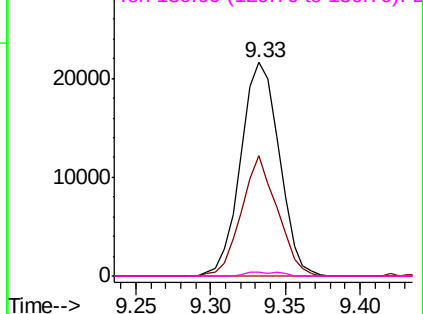
42 56.1 60.4 90.6#

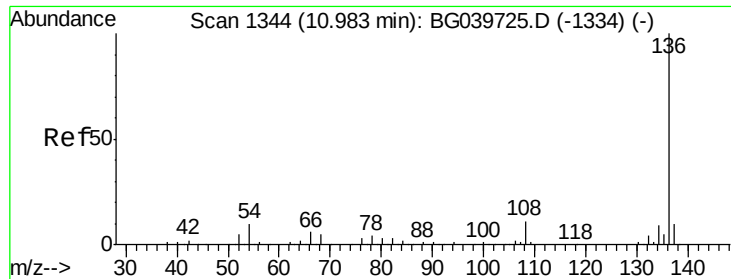
101 0.0 7.5 11.3#

130 1.5 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

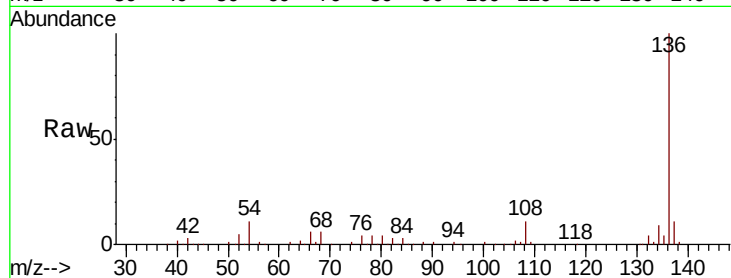




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BG039756.D
Acq: 5 Mar 2019 8:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	179099
Ion	Ratio	Lower Upper
136	100	
137	11.1	9.1 13.7
54	11.1	9.4 14.2
68	6.0	4.2 6.4



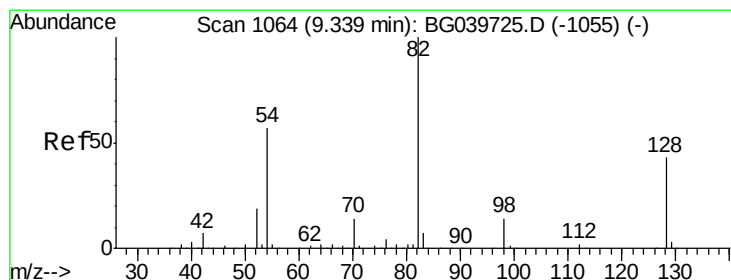
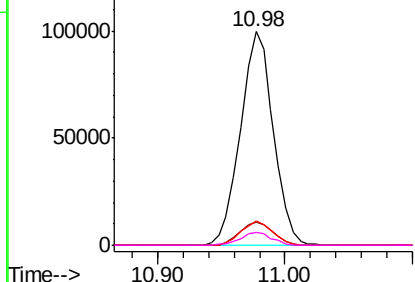
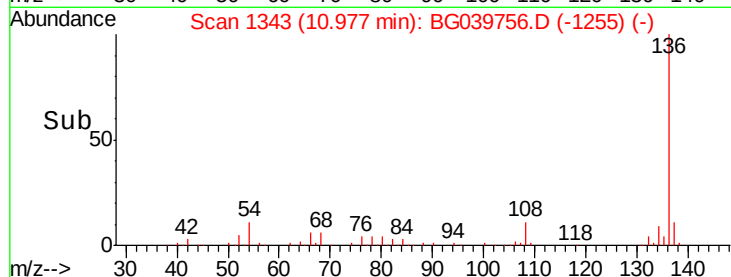
Abundance

Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

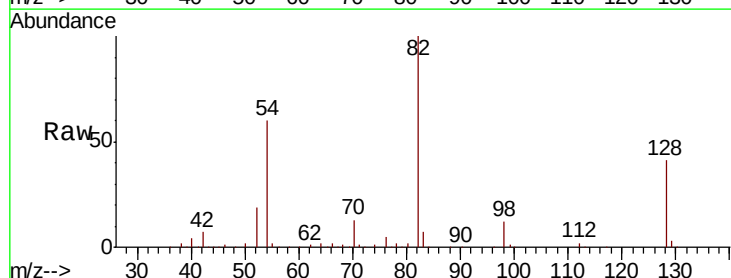
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 88.959 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG039756.D
Acq: 5 Mar 2019 8:12

Tgt Ion: 82	Resp:	294586
Ion	Ratio	Lower Upper
82	100	
128	41.4	31.3 46.9
54	60.0	50.9 76.3

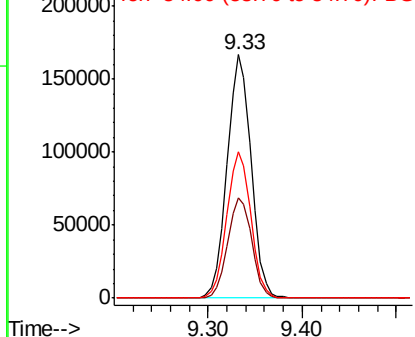
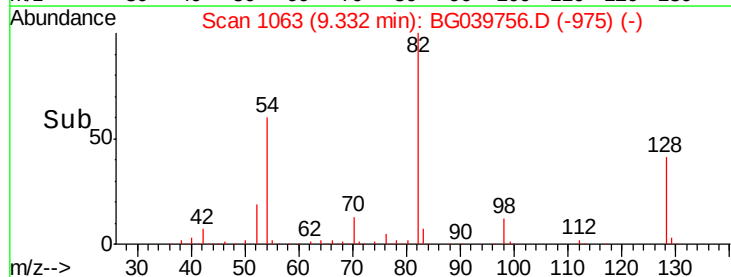


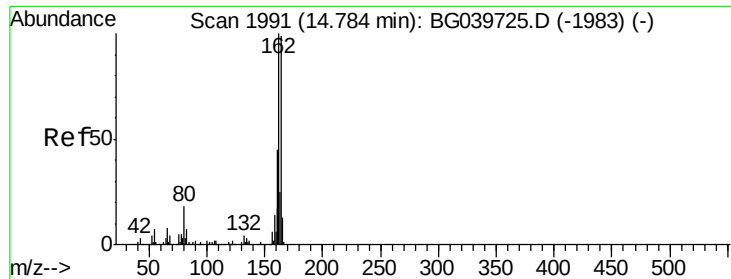
Abundance

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

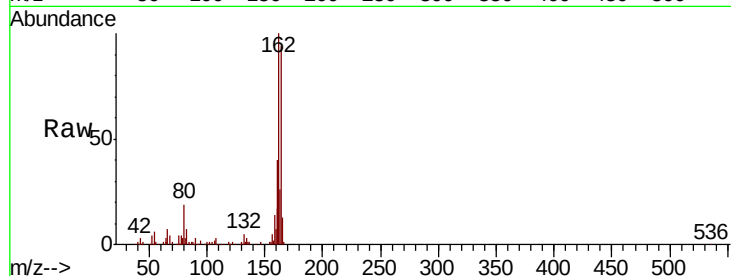




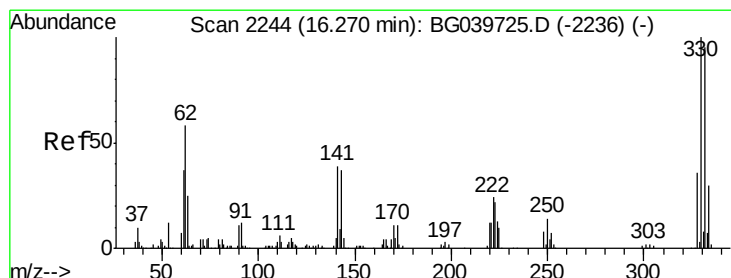
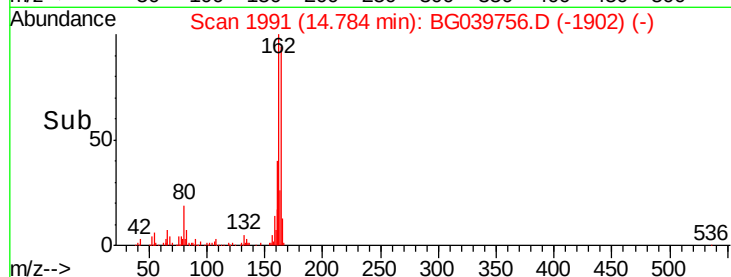
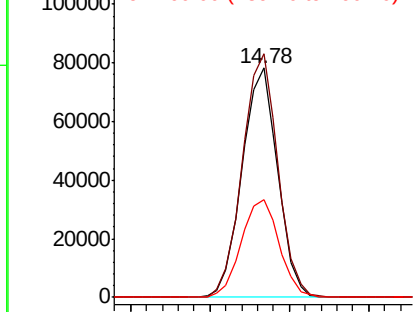
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.78 min Scan# 1991
Delta R.T. -0.01 min
Lab File: BG039756.D
Acq: 5 Mar 2019 8:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 121751
Ion Ratio Lower Upper
164 100
162 106.1 81.6 122.4
160 42.6 34.2 51.2

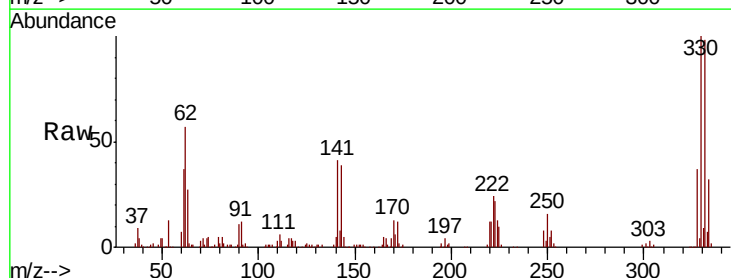


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

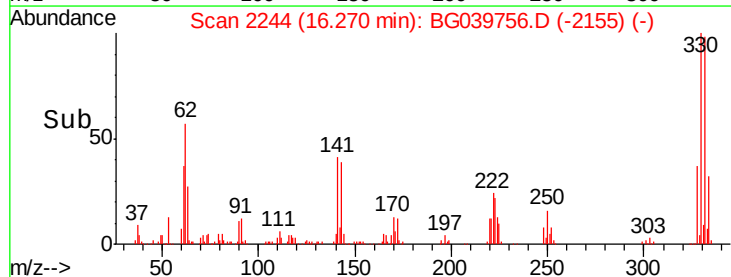
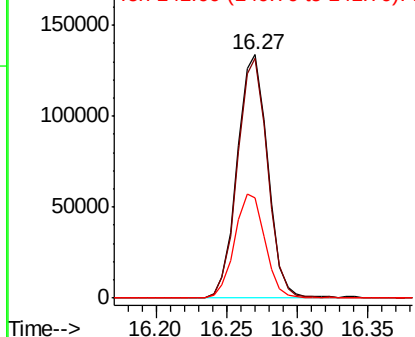


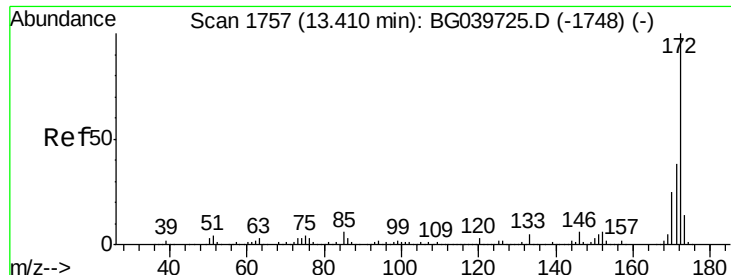
#42
2,4,6-Tribromophenol
Concen: 142.432 ng
RT: 16.27 min Scan# 2244
Delta R.T. -0.01 min
Lab File: BG039756.D
Acq: 5 Mar 2019 8:12

Tgt Ion:330 Resp: 202125
Ion Ratio Lower Upper
330 100
332 97.3 75.7 113.5
141 42.8 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

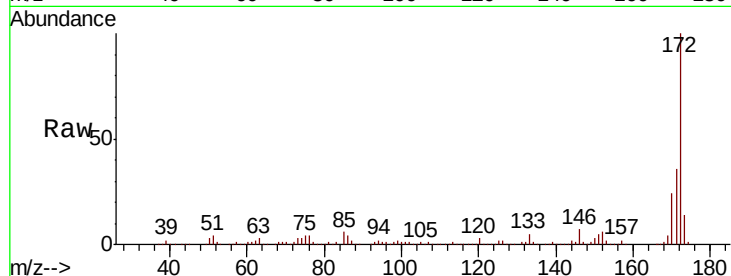




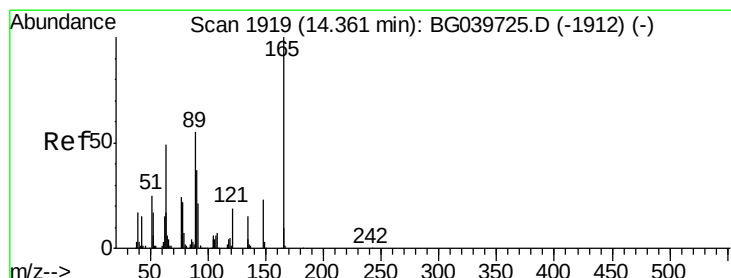
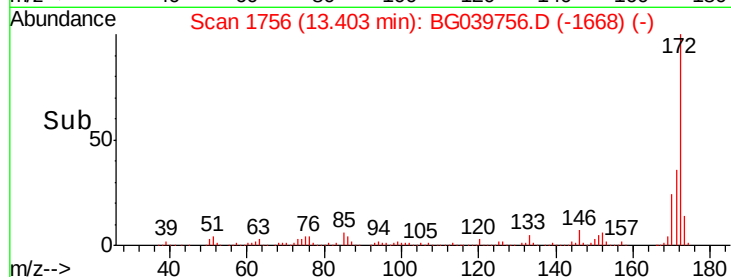
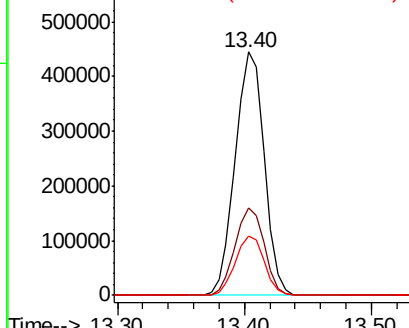
#45
2-Fluorobiphenyl
Concen: 82.349 ng
RT: 13.40 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BG039756.D
Acq: 5 Mar 2019 8:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.8	46.2
170	24.3	20.2	30.4

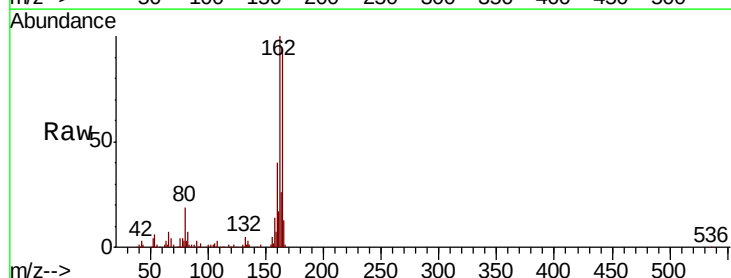


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

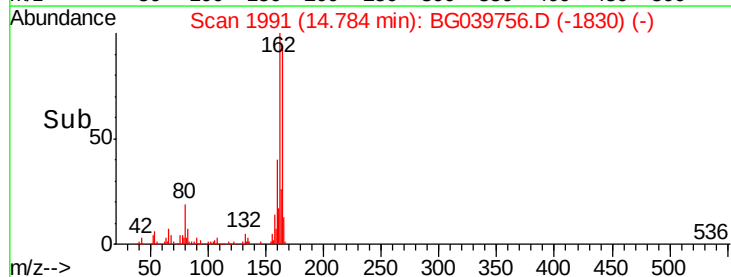
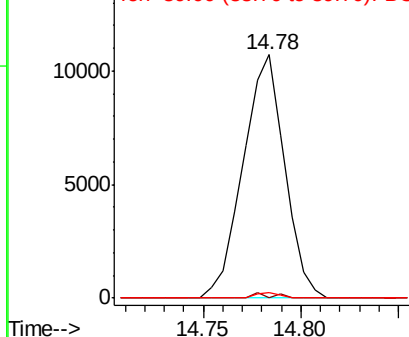


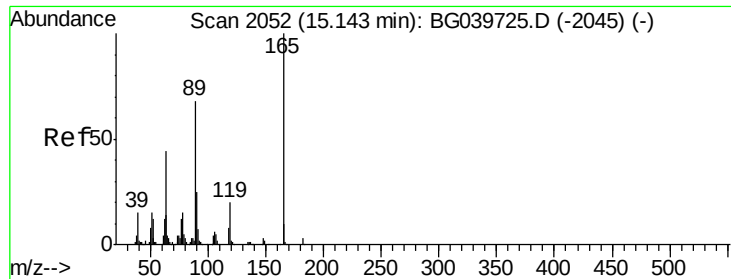
#51
2,6-Dinitrotoluene
Concen: 7.299 ng
RT: 14.78 min Scan# 1991
Delta R.T. 0.42 min
Lab File: BG039756.D
Acq: 5 Mar 2019 8:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.0	70.6#
89	2.5	45.8	68.8#



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





#57

2,4-Dinitrotoluene

Concen: 5.195 ng

RT: 14.78 min Scan# 1991

Delta R.T. -0.37 min

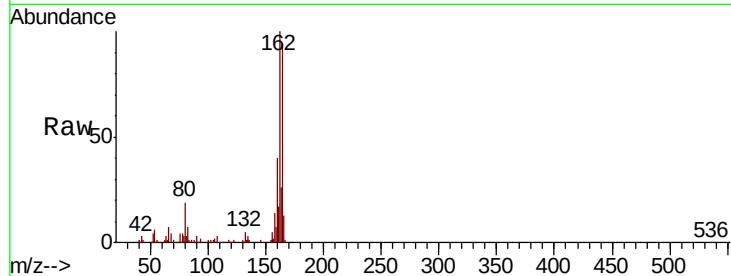
Lab File: BG039756.D

Acq: 5 Mar 2019 8:12

Instrument :

BNA_G

ClientSampleId :



Tot Ion:165 Resp: 15754

Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 2.5 64.6 96.8#

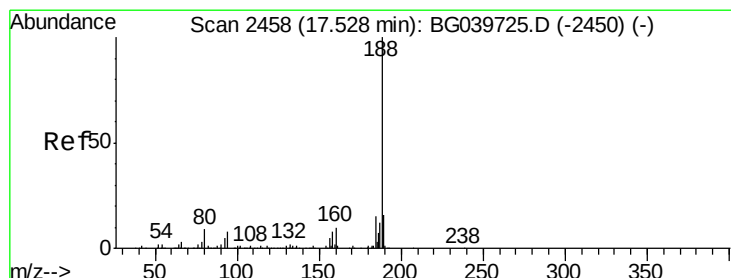
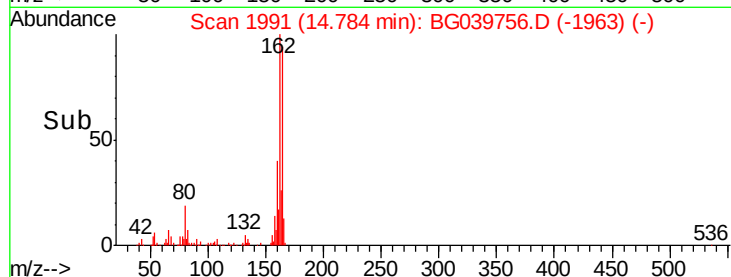
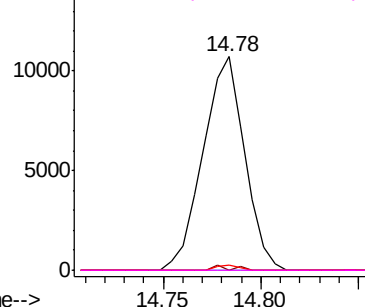
182 0.0 2.0 3.0#

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: BG039756.D

Acq: 5 Mar 2019 8:12

Tgt Ion:188 Resp: 319593

Ion Ratio Lower Upper

188 100

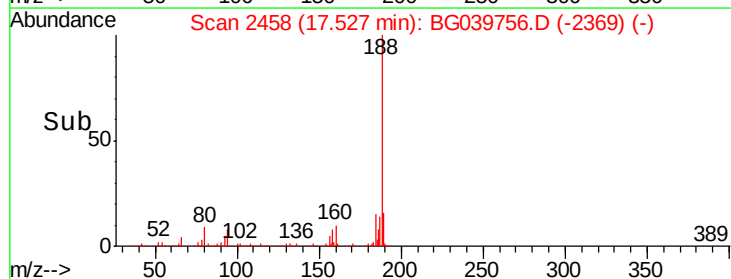
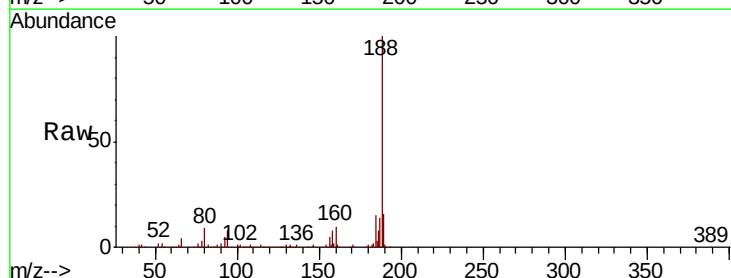
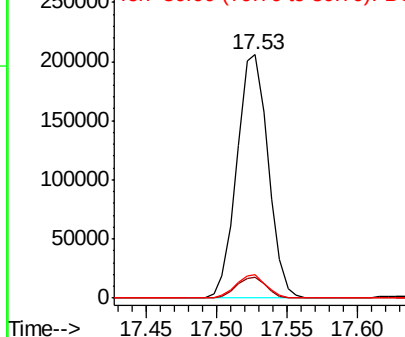
94 8.3 6.9 10.3

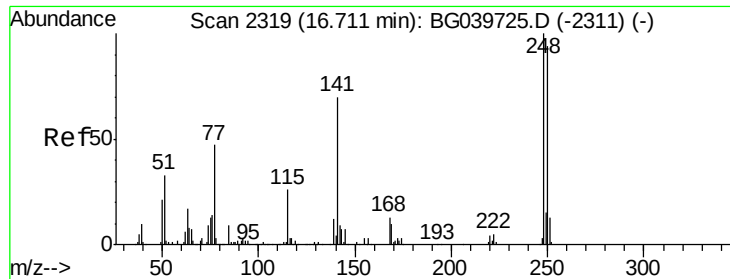
80 9.4 8.1 12.1

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

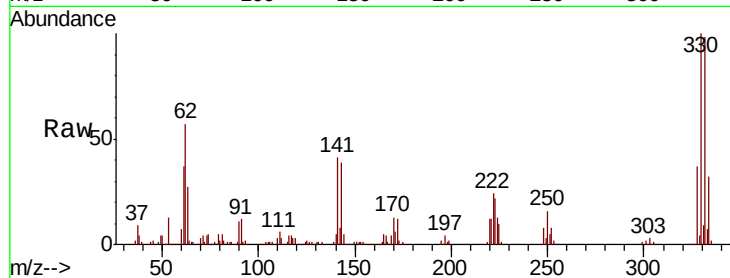




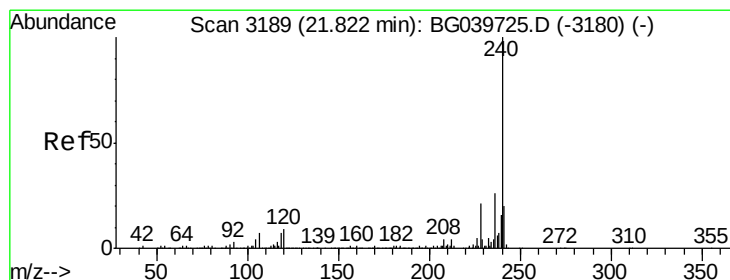
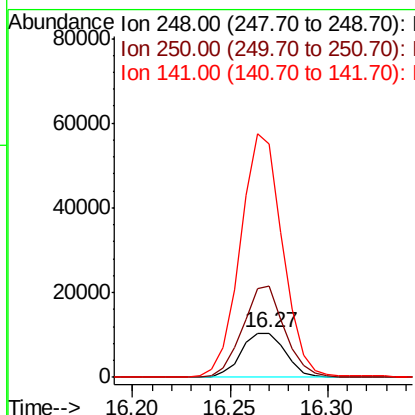
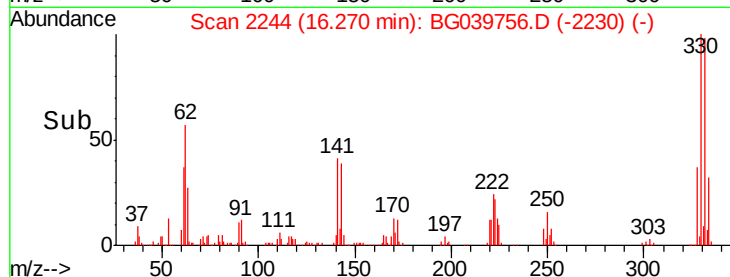
#67
4-Bromophenyl-phenylether
Concen: 4.598 ng
RT: 16.27 min Scan# 2244
Delta R.T. -0.45 min
Lab File: BG039756.D
Acq: 5 Mar 2019 8:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 16448
Ion Ratio Lower Upper
248 100
250 204.4 77.6 116.4#
141 525.1 63.9 95.9#

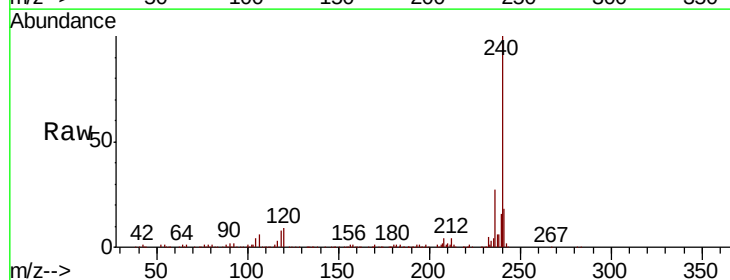


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

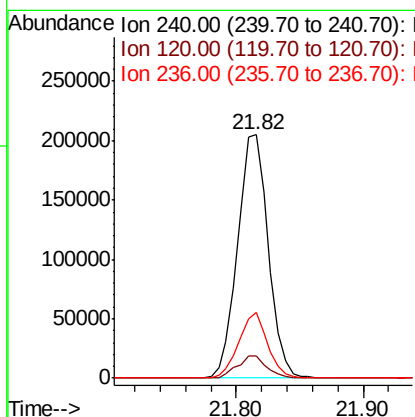
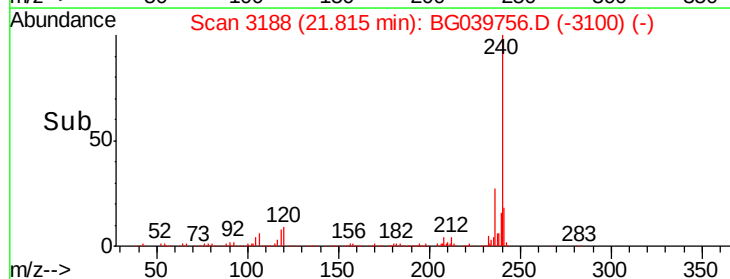


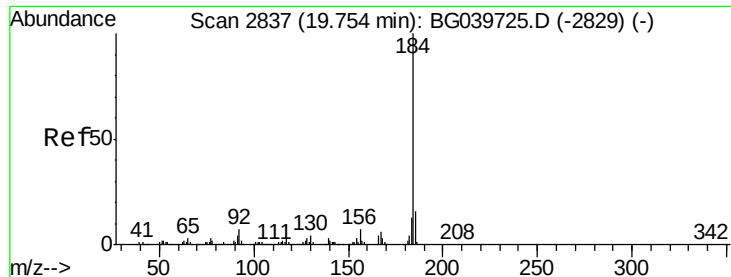
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3188
Delta R.T. -0.01 min
Lab File: BG039756.D
Acq: 5 Mar 2019 8:12

Tgt Ion:240 Resp: 342863
Ion Ratio Lower Upper
240 100
120 8.9 7.0 10.6
236 27.0 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: 2.228 ng

RT: 20.12 min Scan# 2899

Delta R.T. 0.36 min

Lab File: BG039756.D

Acq: 5 Mar 2019 8:12

Instrument :

BNA_G

ClientSampled :

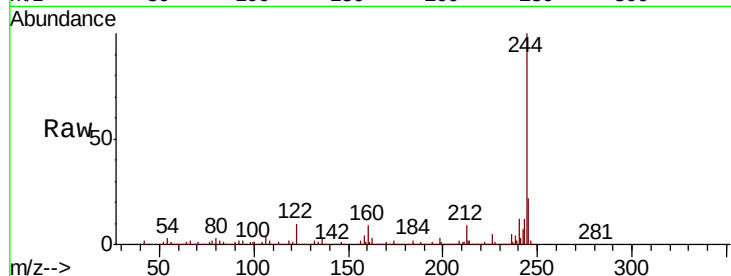
Tot Ion:184 Resp: 24244

Ion Ratio Lower Upper

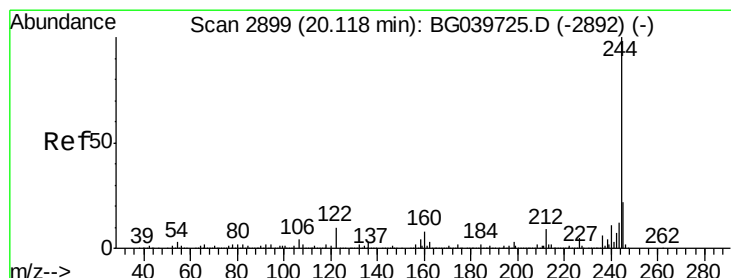
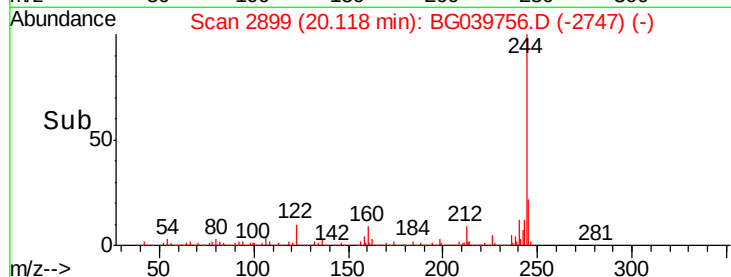
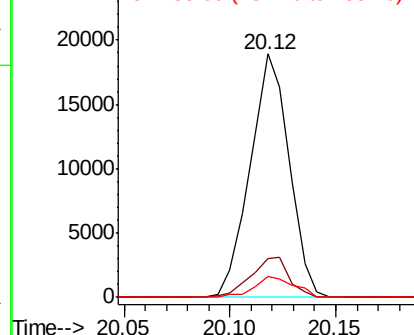
184 100

185 16.1 12.2 18.2

183 8.8 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: 85.209 ng

RT: 20.12 min Scan# 2899

Delta R.T. -0.01 min

Lab File: BG039756.D

Acq: 5 Mar 2019 8:12

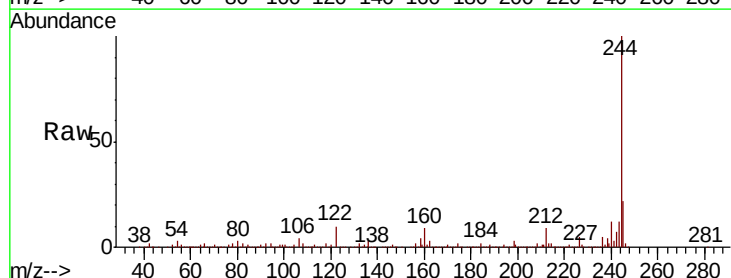
Tgt Ion:244 Resp: 1326866

Ion Ratio Lower Upper

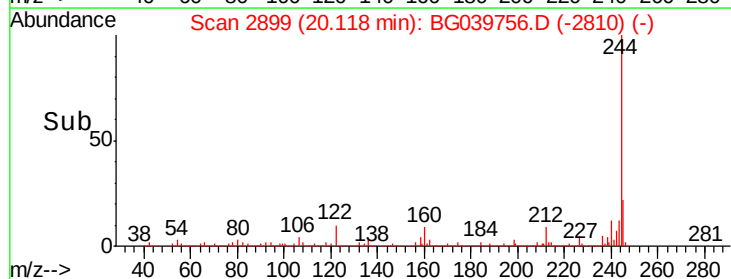
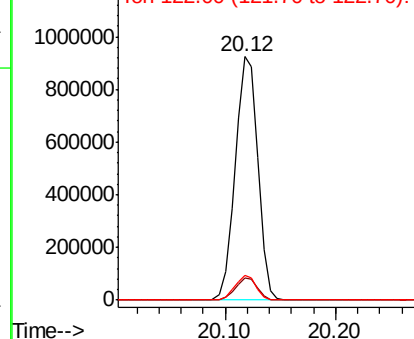
244 100

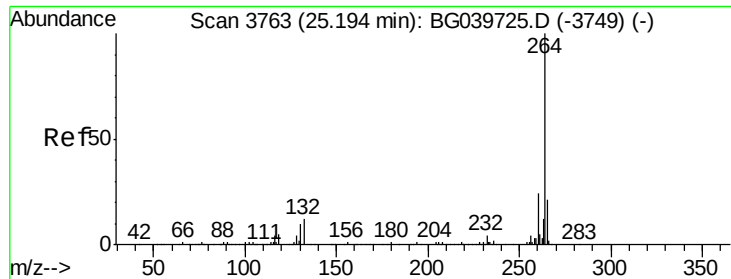
212 9.1 7.3 10.9

122 10.1 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
Pervlone-d12
Concen: 20.000 ng
RT: 25.19 min Scan# 3762
Delta R.T. -0.01 min
Lab File: BG039756.D
Acq: 5 Mar 2019 8:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 264 Resp: 337983

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.4
265	21.4	18.5	27.7

