

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032519\
 Data File : BG040142.D
 Acq On : 26 Mar 2019 8:52
 Operator : JU/SJ
 Sample : K2050-11
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 26 14:16:44 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

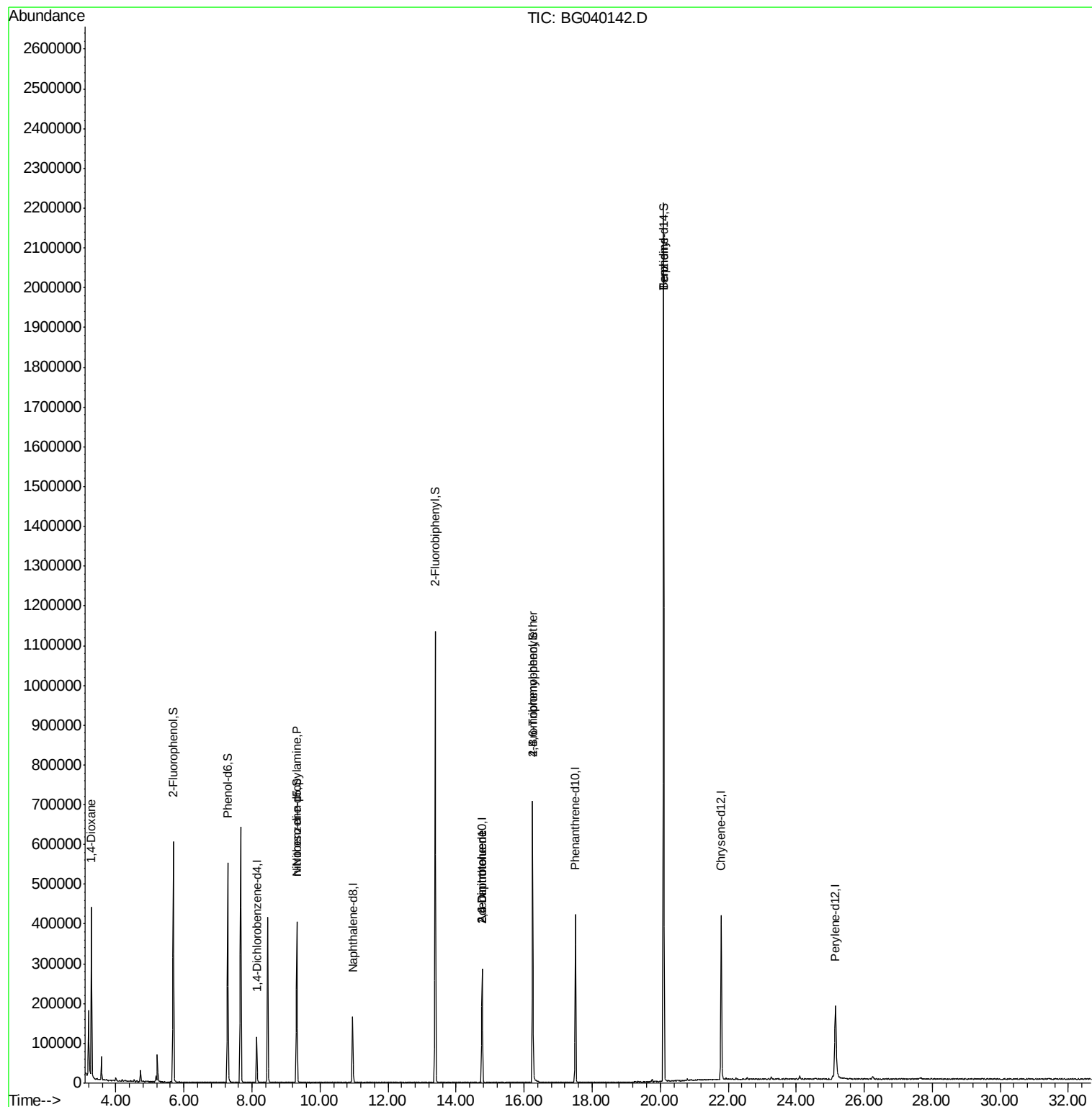
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	32487	20.00	ng	-0.04
21) Naphthalene-d8	10.96	136	144258	20.00	ng	-0.03
39) Acenaphthene-d10	14.76	164	105135	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	266087	20.00	ng	-0.02
76) Chrysene-d12	21.79	240	268060	20.00	ng	-0.04
87) Perylene-d12	25.16	264	247832	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	250709	131.66	ng	-0.02
7) Phenol-d6	7.29	99	329580	116.07	ng	-0.02
23) Nitrobenzene-d5	9.32	82	238913	89.57	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	134503	109.76	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	594056	80.45	ng	-0.03
79) Terphenyl-d14	20.10	244	1078077	88.55	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.28	88	3938	4.479	ng	# 1
19) n-Nitroso-di-n-propylamine	9.32	70	31034	15.185	ng	# 70
51) 2,6-Dinitrotoluene	14.76	165	13478	7.232	ng	# 23
57) 2,4-Dinitrotoluene	14.76	165	13478	5.147	ng	# 19
67) 4-Bromophenyl-phenylether	16.25	248	10594	3.557	ng	# 1
77) Benzidine	20.10	184	18807	2.211	ng	# 94

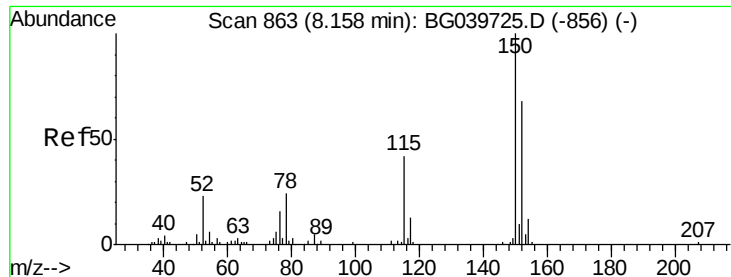
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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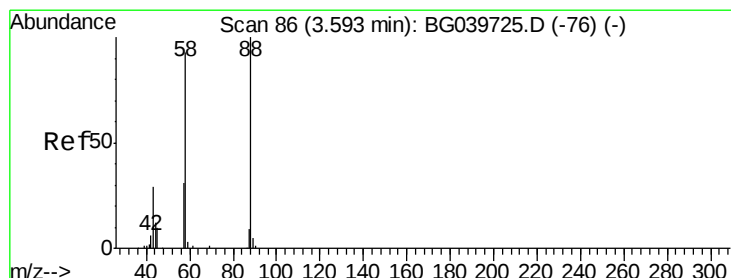
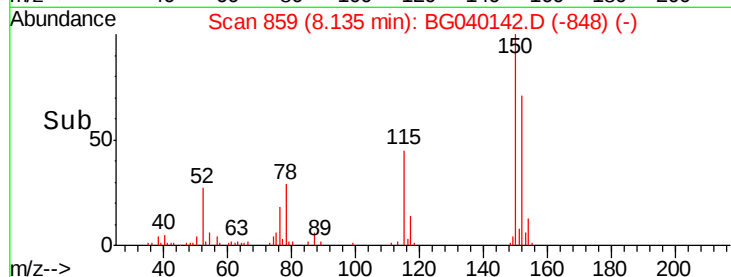
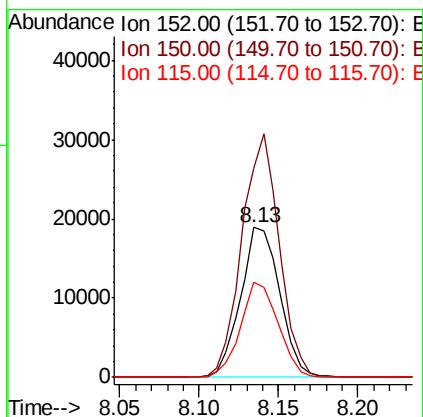
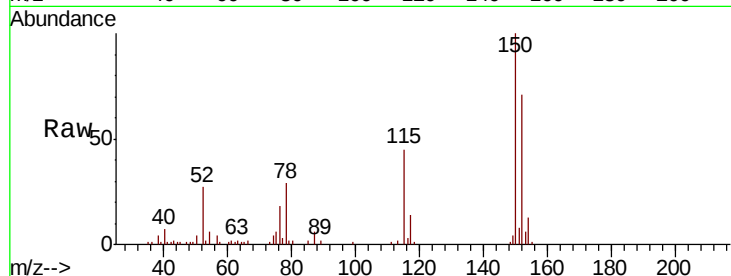


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 859
Delta R.T. -0.04 min
Lab File: BG040142.D
Acq: 26 Mar 2019 8:52

Instrument :
BNA_G
ClientSampleId :

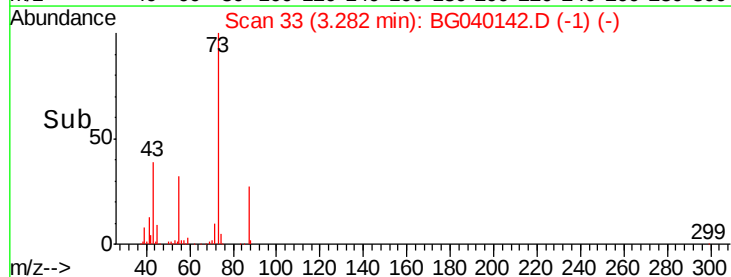
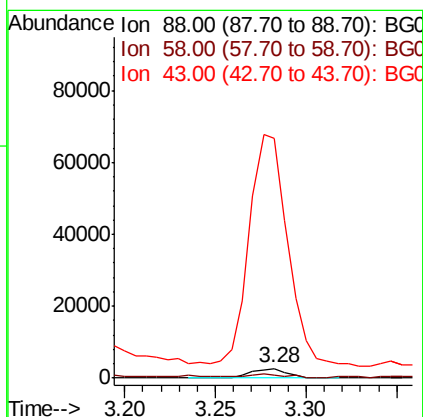
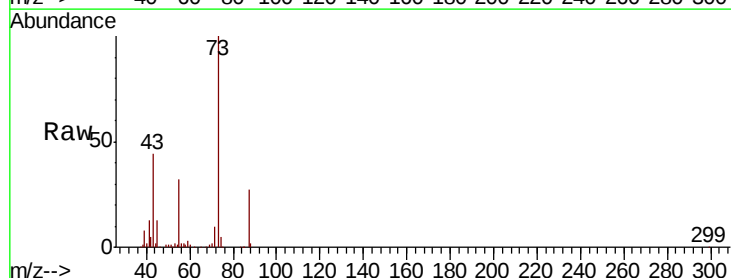
Tot Ion	Ratio	Lower	Upper
152	100		
150	140.0	123.7	185.5
115	63.4	45.9	68.9

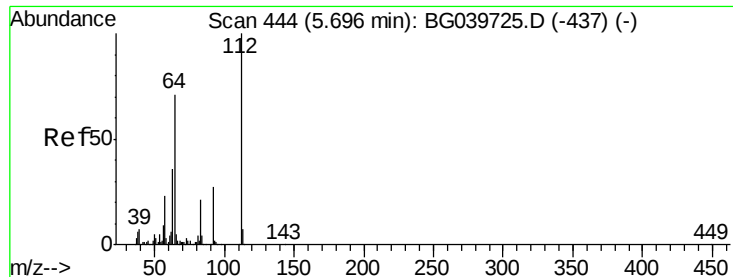


#2

1,4-Dioxane
Concen: 4.479 ng
RT: 3.28 min Scan# 33
Delta R.T. -0.32 min
Lab File: BG040142.D
Acq: 26 Mar 2019 8:52

Tgt Ion	Ratio	Lower	Upper
88	100		
58	29.8	81.1	121.7#
43	2449.8	31.4	47.0#





#5

2-Fluorophenol

Concen: 131.656 ng

RT: 5.68 min Scan# 442

Delta R.T. -0.02 min

Lab File: BG040142.D

Acq: 26 Mar 2019 8:52

Instrument :

BNA_G

ClientSampleId :

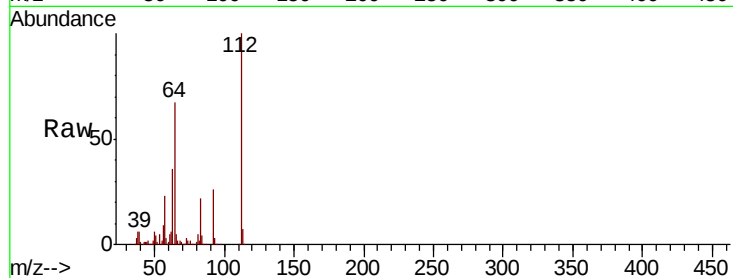
Tot Ion:112 Resp: 250709

Ion Ratio Lower Upper

112 100

64 67.0 57.8 86.8

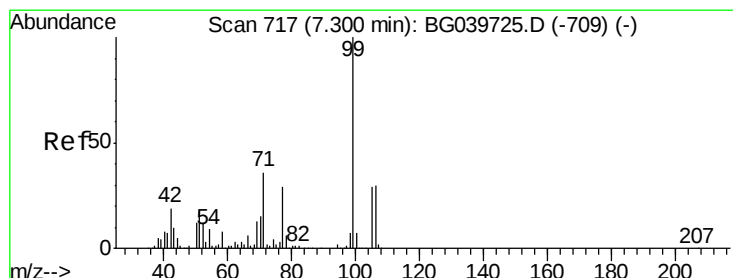
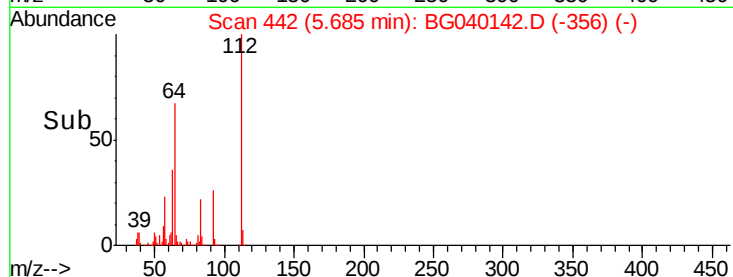
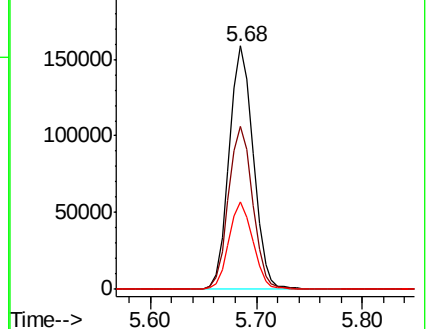
63 35.7 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 116.075 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG040142.D

Acq: 26 Mar 2019 8:52

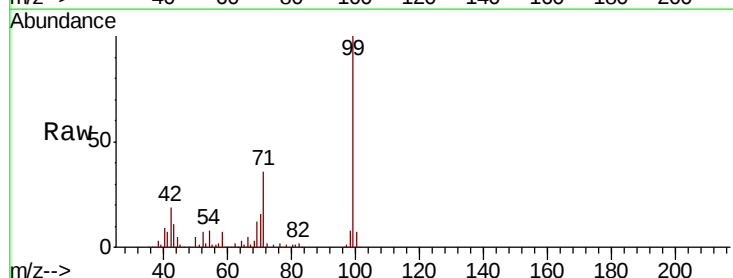
Tgt Ion: 99 Resp: 329580

Ion Ratio Lower Upper

99 100

42 19.5 18.2 27.2

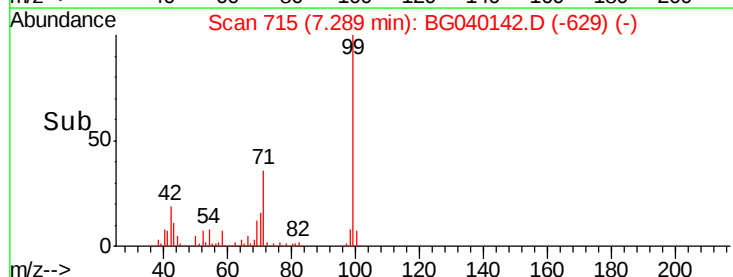
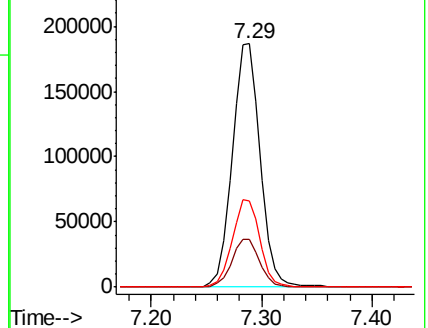
71 35.5 28.0 42.0

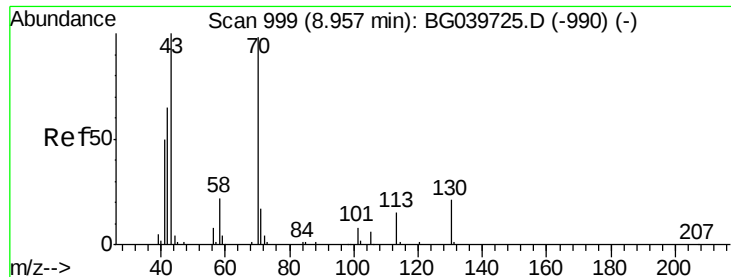


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

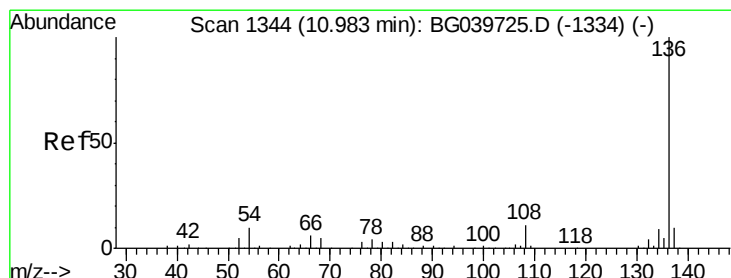
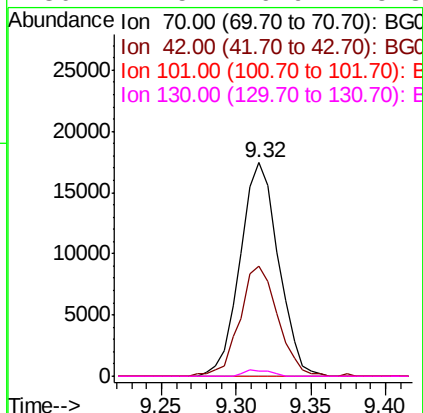
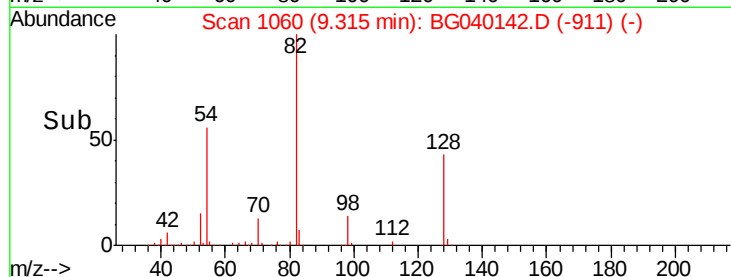
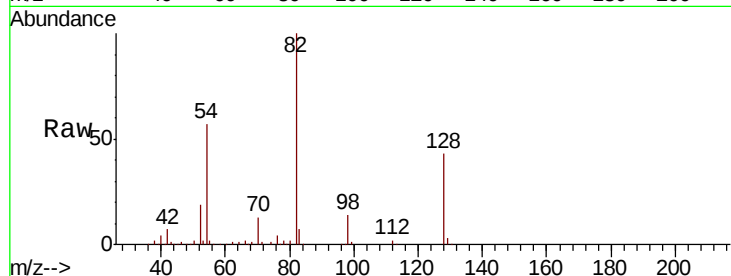




#19
n-Nitroso-di-n-propylamine
Concen: 15.185 ng
RT: 9.32 min Scan# 1060
Delta R.T. 0.35 min
Lab File: BG040142.D
Acq: 26 Mar 2019 8:52

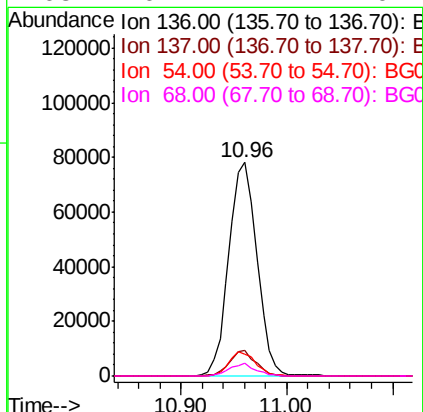
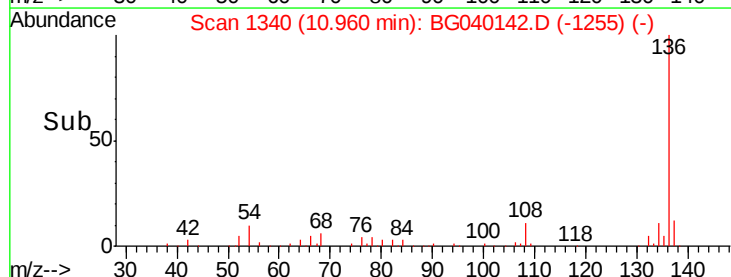
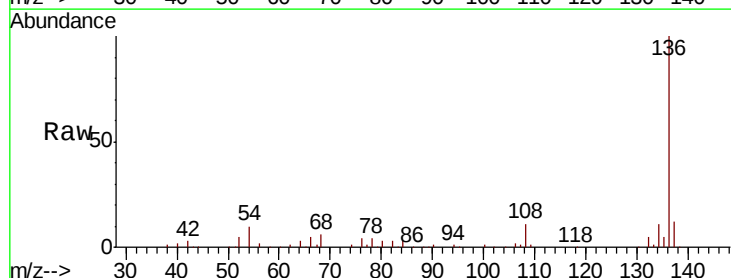
Instrument :
BNA_G
ClientSampleId :

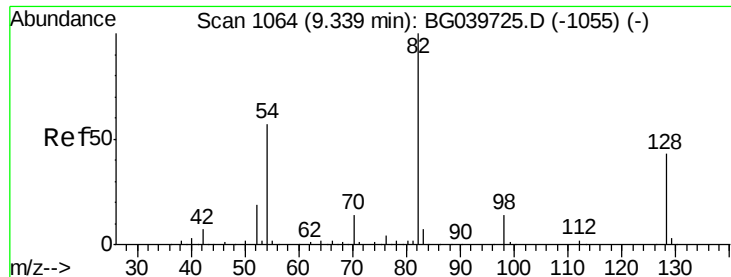
Tot Ion: 70 Resp: 31034
Ion Ratio Lower Upper
70 100
42 51.3 60.4 90.6#
101 0.0 7.5 11.3#
130 2.5 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BG040142.D
Acq: 26 Mar 2019 8:52

Tgt Ion: 136 Resp: 144258
Ion Ratio Lower Upper
136 100
137 11.9 9.1 13.7
54 10.3 9.4 14.2
68 6.1 4.2 6.4

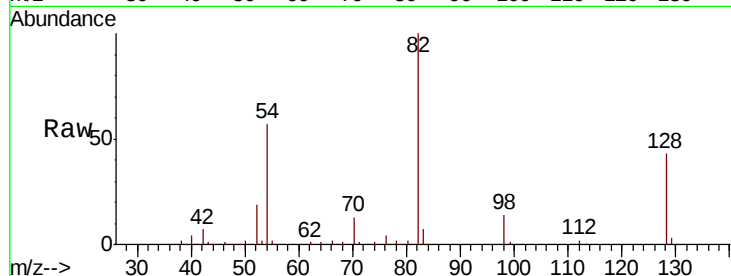




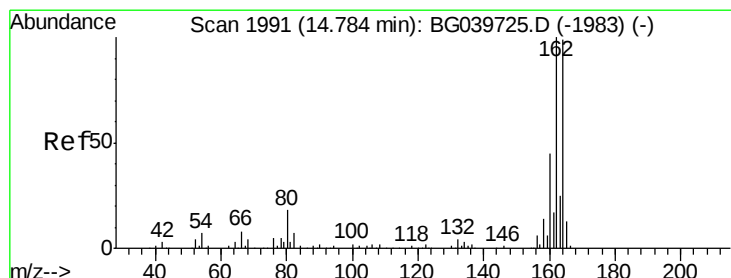
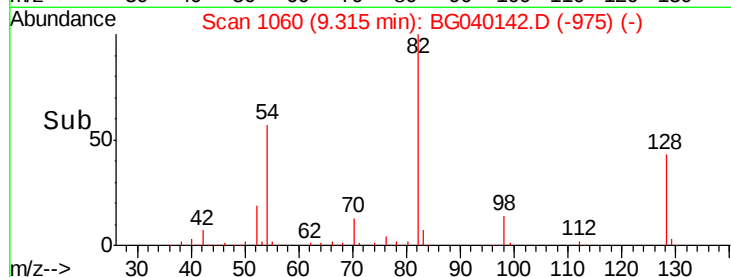
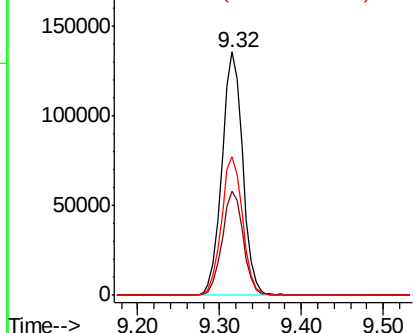
#23
 Nitrobenzene-d5
 Concen: 89.571 ng
 RT: 9.32 min Scan# 1060
 Delta R.T. -0.03 min
 Lab File: BG040142.D
 Acq: 26 Mar 2019 8:52

Instrument :
 BNA_G
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.7	31.3	46.9
54	57.2	50.9	76.3

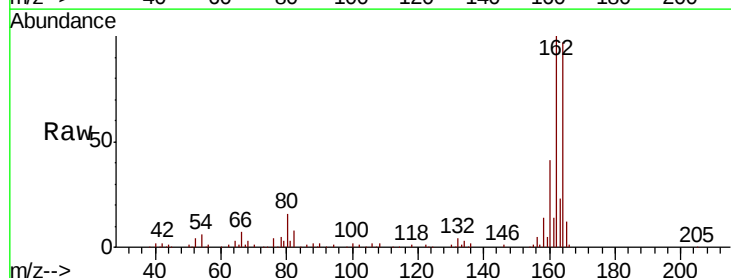


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

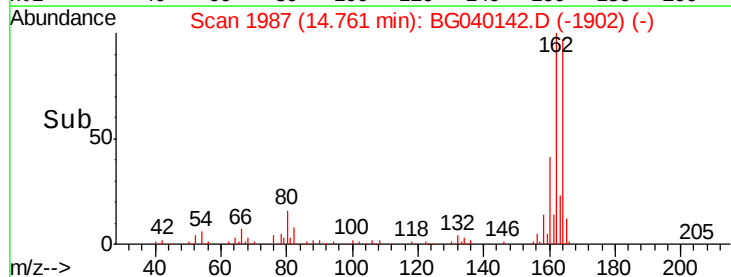
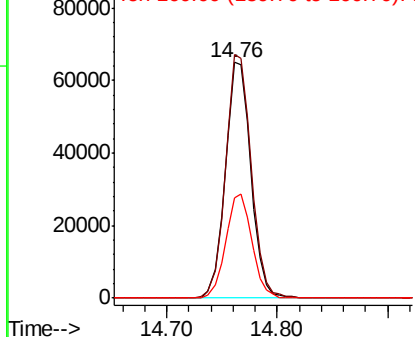


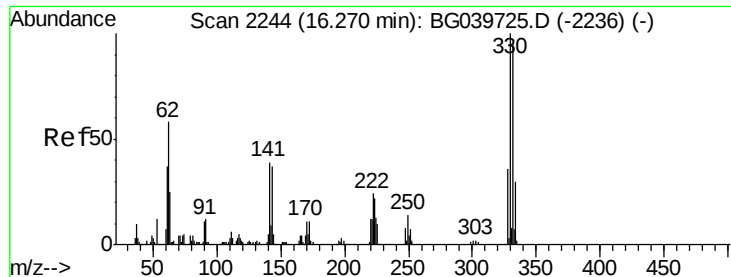
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.76 min Scan# 1987
 Delta R.T. -0.03 min
 Lab File: BG040142.D
 Acq: 26 Mar 2019 8:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.6	122.4
160	42.5	34.2	51.2



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

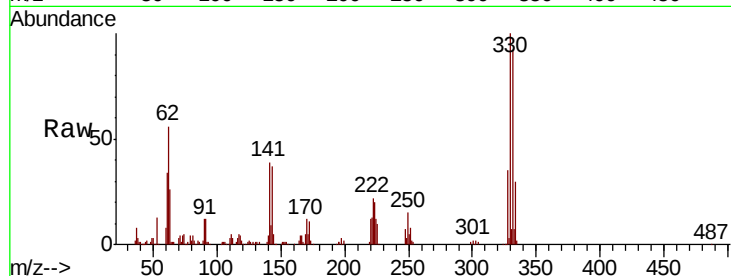




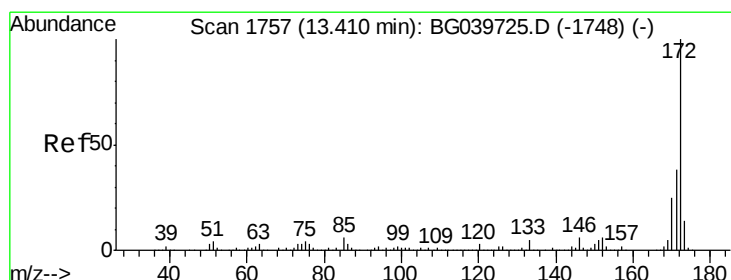
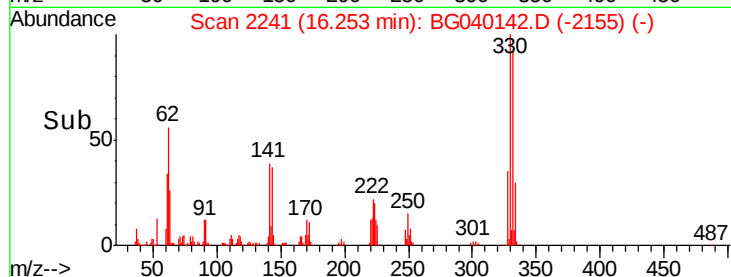
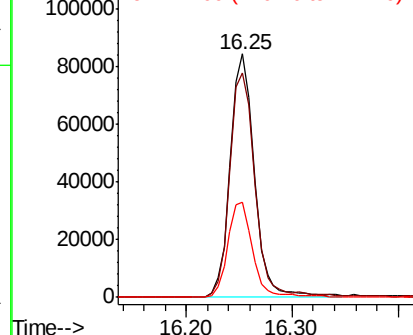
#42
 2,4,6-Tribromophenol
 Concen: 109.760 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.02 min
 Lab File: BG040142.D
 Acq: 26 Mar 2019 8:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 134503
 Ion Ratio Lower Upper
 330 100
 332 95.8 75.7 113.5
 141 40.0 35.6 53.4

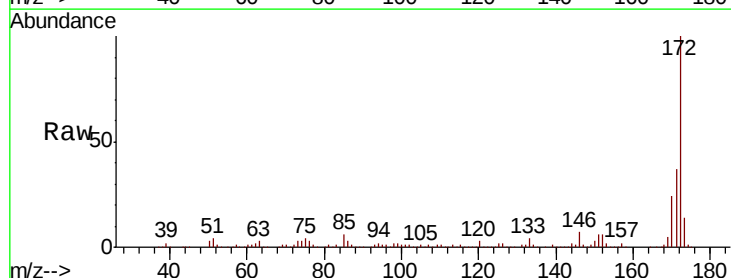


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

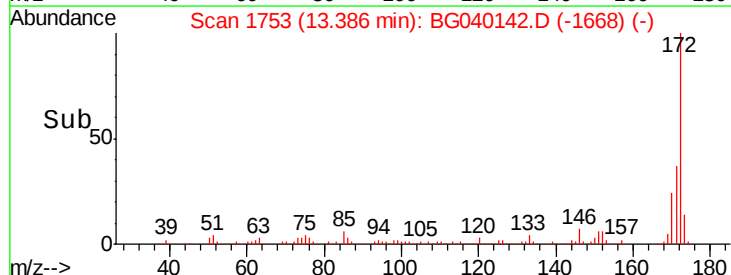
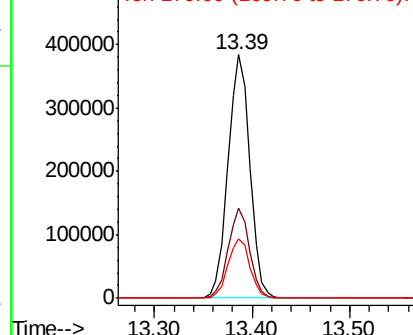


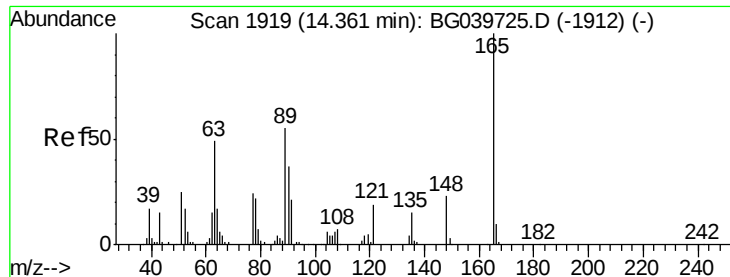
#45
 2-Fluorobiphenyl
 Concen: 80.452 ng
 RT: 13.39 min Scan# 1753
 Delta R.T. -0.03 min
 Lab File: BG040142.D
 Acq: 26 Mar 2019 8:52

Tgt Ion:172 Resp: 594056
 Ion Ratio Lower Upper
 172 100
 171 37.1 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

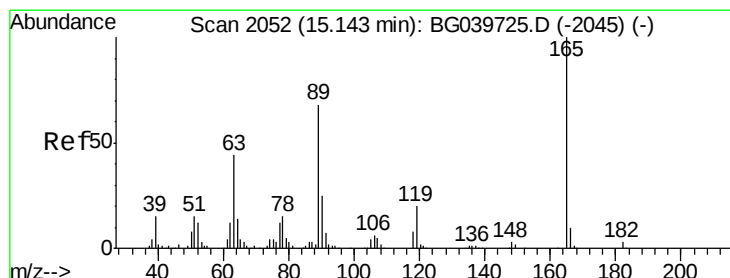
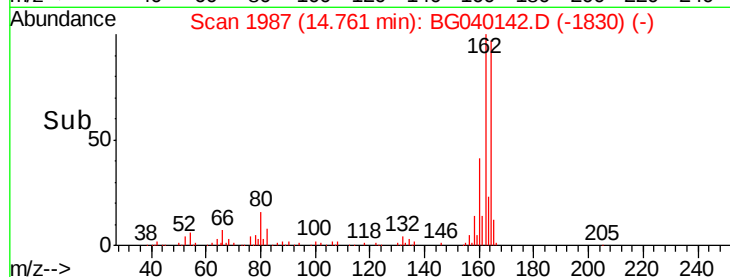
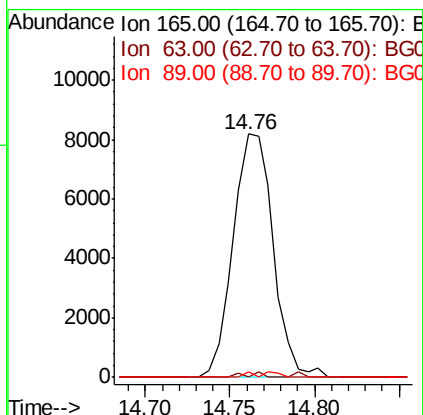
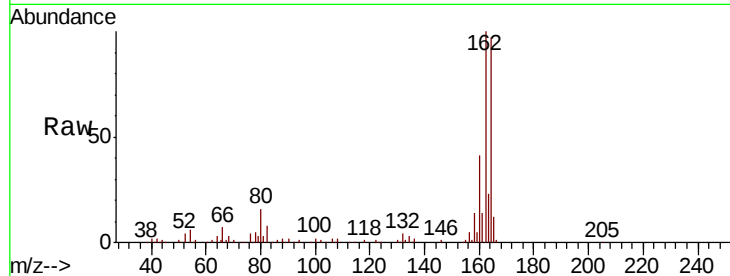




#51
 2,6-Dinitrotoluene
 Concen: 7.232 ng
 RT: 14.76 min Scan# 1987
 Delta R.T. 0.39 min
 Lab File: BG040142.D
 Acq: 26 Mar 2019 8:52

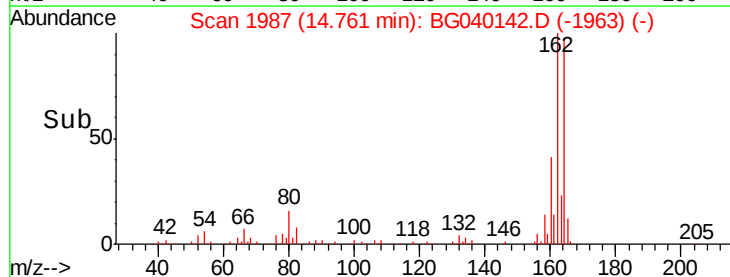
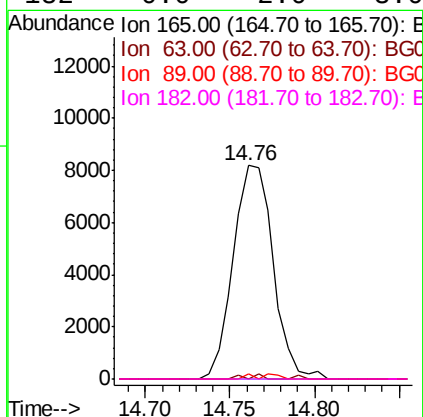
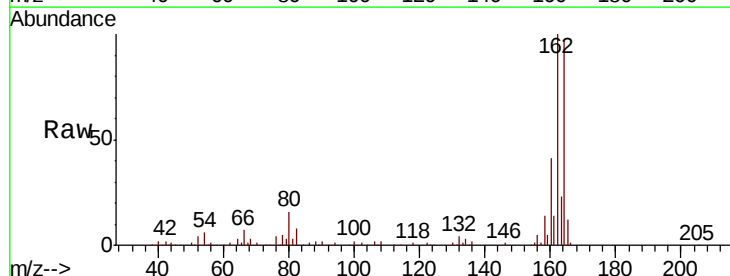
Instrument :
 BNA_G
 ClientSampled :

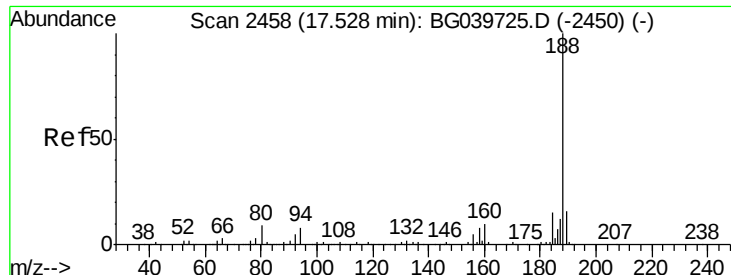
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.0	70.6#
89	2.1	45.8	68.8#



#57
 2,4-Dinitrotoluene
 Concen: 5.147 ng
 RT: 14.76 min Scan# 1987
 Delta R.T. -0.39 min
 Lab File: BG040142.D
 Acq: 26 Mar 2019 8:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	2.1	64.6	96.8#
182	0.0	2.0	3.0#

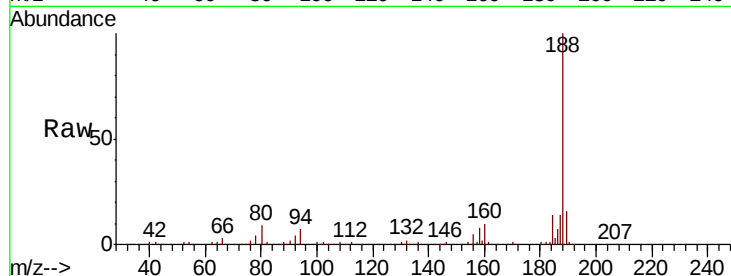




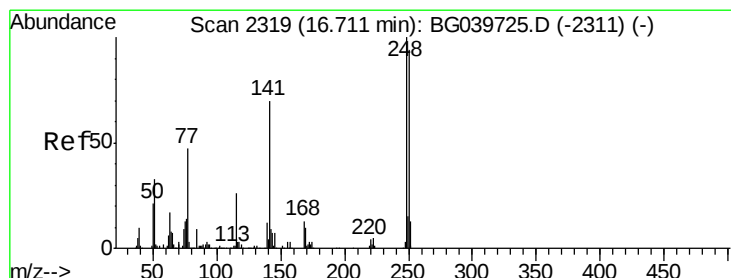
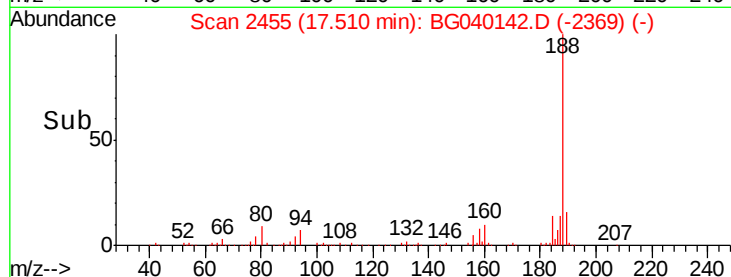
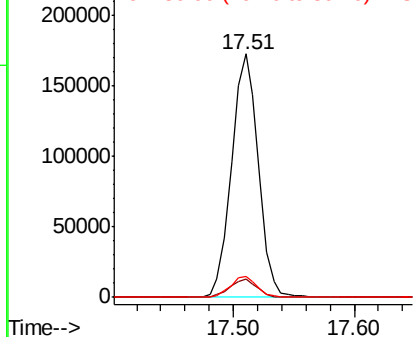
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2455
 Delta R.T. -0.02 min
 Lab File: BG040142.D
 Acq: 26 Mar 2019 8:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 266087
 Ion Ratio Lower Upper
 188 100
 94 7.4 6.9 10.3
 80 8.6 8.1 12.1

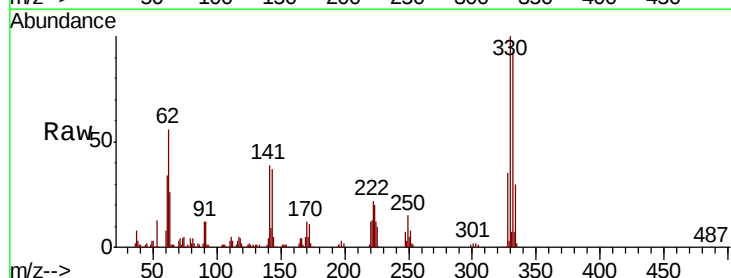


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

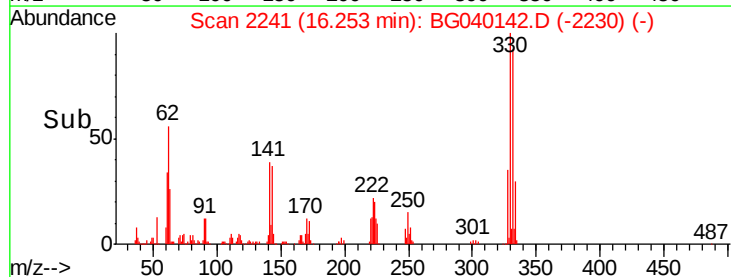
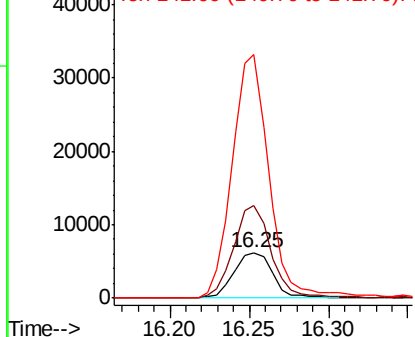


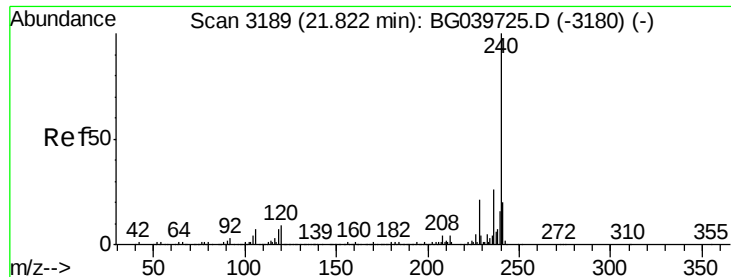
#67
 4-Bromophenyl-phenylether
 Concen: 3.557 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040142.D
 Acq: 26 Mar 2019 8:52

Tgt Ion:248 Resp: 10594
 Ion Ratio Lower Upper
 248 100
 250 203.1 77.6 116.4#
 141 533.0 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

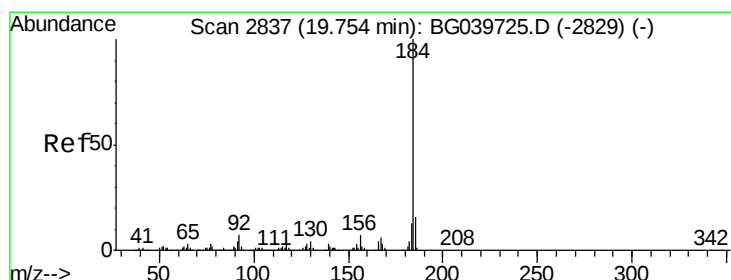
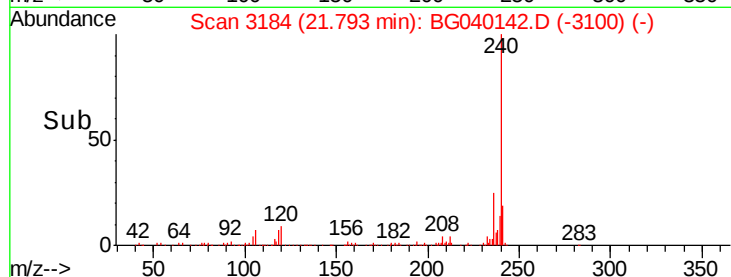
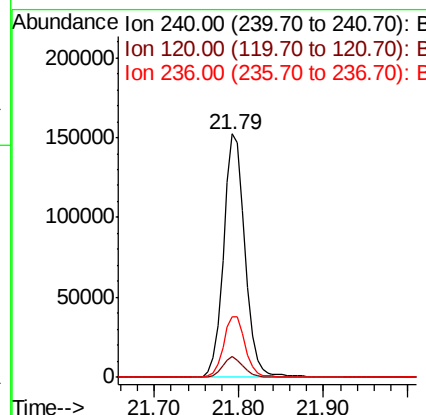
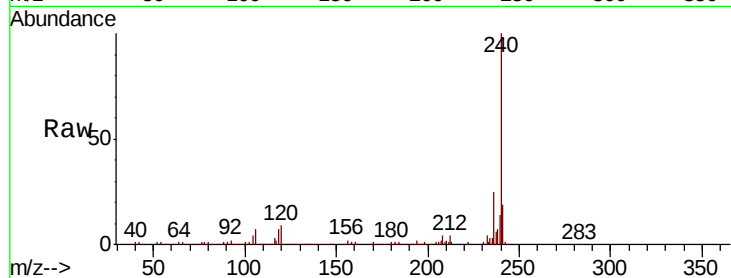




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.79 min Scan# 3184
Delta R.T. -0.04 min
Lab File: BG040142.D
Acq: 26 Mar 2019 8:52

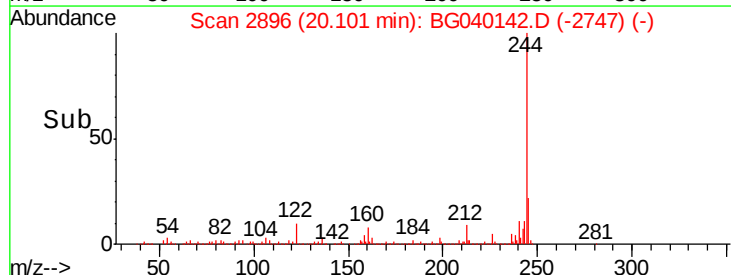
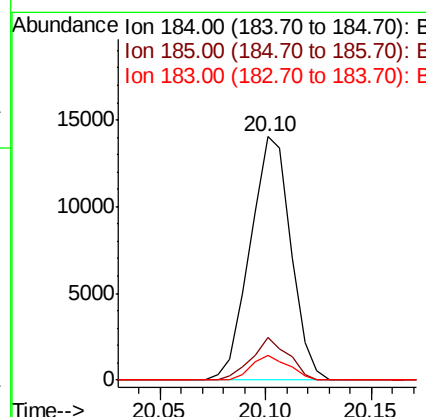
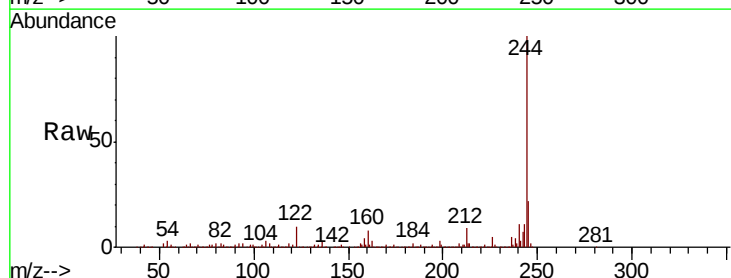
Instrument :
BNA_G
ClientSampleId :

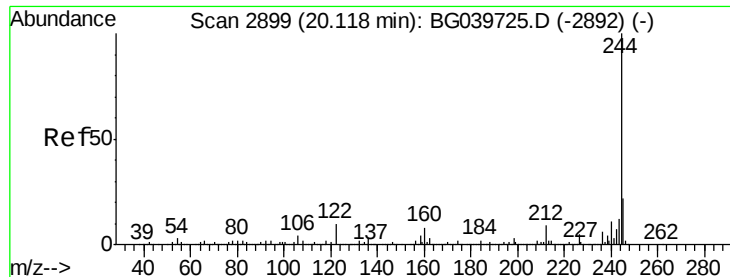
Tot Ion:240 Resp: 268060
Ion Ratio Lower Upper
240 100
120 8.7 7.0 10.6
236 24.8 21.0 31.4



#77
Benzidine
Concen: 2.211 ng
RT: 20.10 min Scan# 2896
Delta R.T. 0.35 min
Lab File: BG040142.D
Acq: 26 Mar 2019 8:52

Tgt Ion:184 Resp: 18807
Ion Ratio Lower Upper
184 100
185 17.3 12.2 18.2
183 10.1 10.6 15.8#





#79

Terphenyl-d14

Concen: 88.552 ng

RT: 20.10 min Scan# 2896

Delta R.T. -0.02 min

Lab File: BG040142.D

Acq: 26 Mar 2019 8:52

Instrument :

BNA_G

ClientSampled :

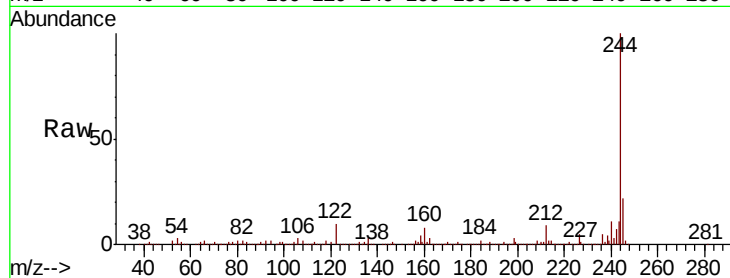
Tot Ion:244 Resp: 1078077

Ion Ratio Lower Upper

244 100

212 9.0 7.3 10.9

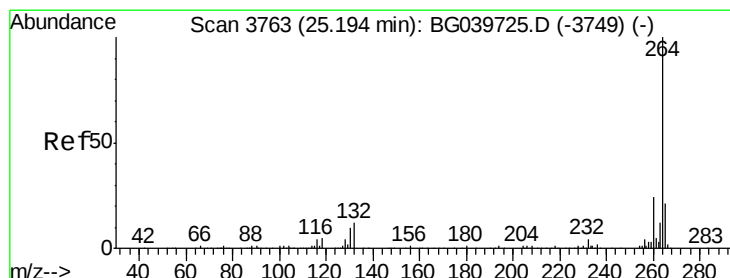
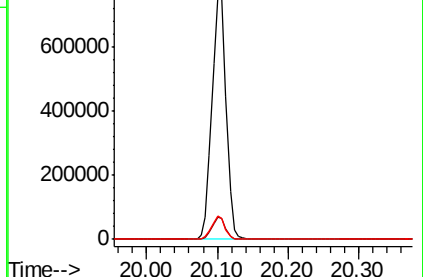
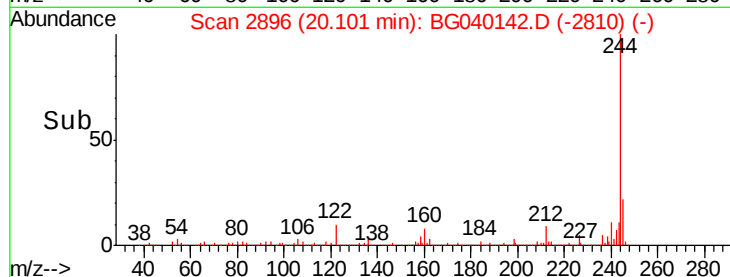
122 9.5 8.4 12.6



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: 25.16 min Scan# 3757

Delta R.T. -0.04 min

Lab File: BG040142.D

Acq: 26 Mar 2019 8:52

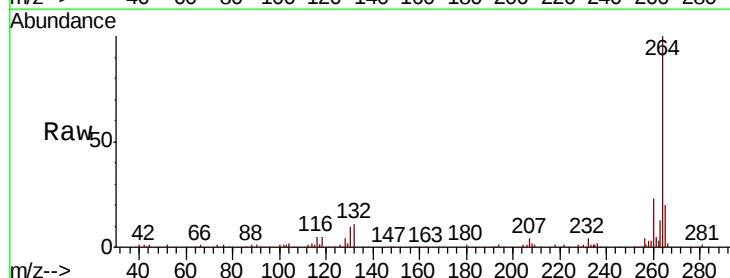
Tgt Ion:264 Resp: 247832

Ion Ratio Lower Upper

264 100

260 22.7 18.2 27.4

265 19.9 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

