

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032019\
 Data File : BG040052.D
 Acq On : 21 Mar 2019 1:46
 Operator : JU/SJ
 Sample : K1941-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 21 09:30:55 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	8.14	152	42271	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	186039	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	128838	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	283500	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	273420	20.00	ng	-0.03
87) Perylene-d12	25.15	264	280304	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.69	112	146898	59.29	ng	-0.02
7) Phenol-d6	7.29	99	130791	35.40	ng	-0.03
23) Nitrobenzene-d5	9.32	82	347140	100.92	ng	-0.03
42) 2,4,6-Tribromophenol	16.26	330	221885	147.76	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	861031	95.16	ng	-0.03
79) Terphenyl-d14	20.11	244	1116705	89.93	ng	-0.02

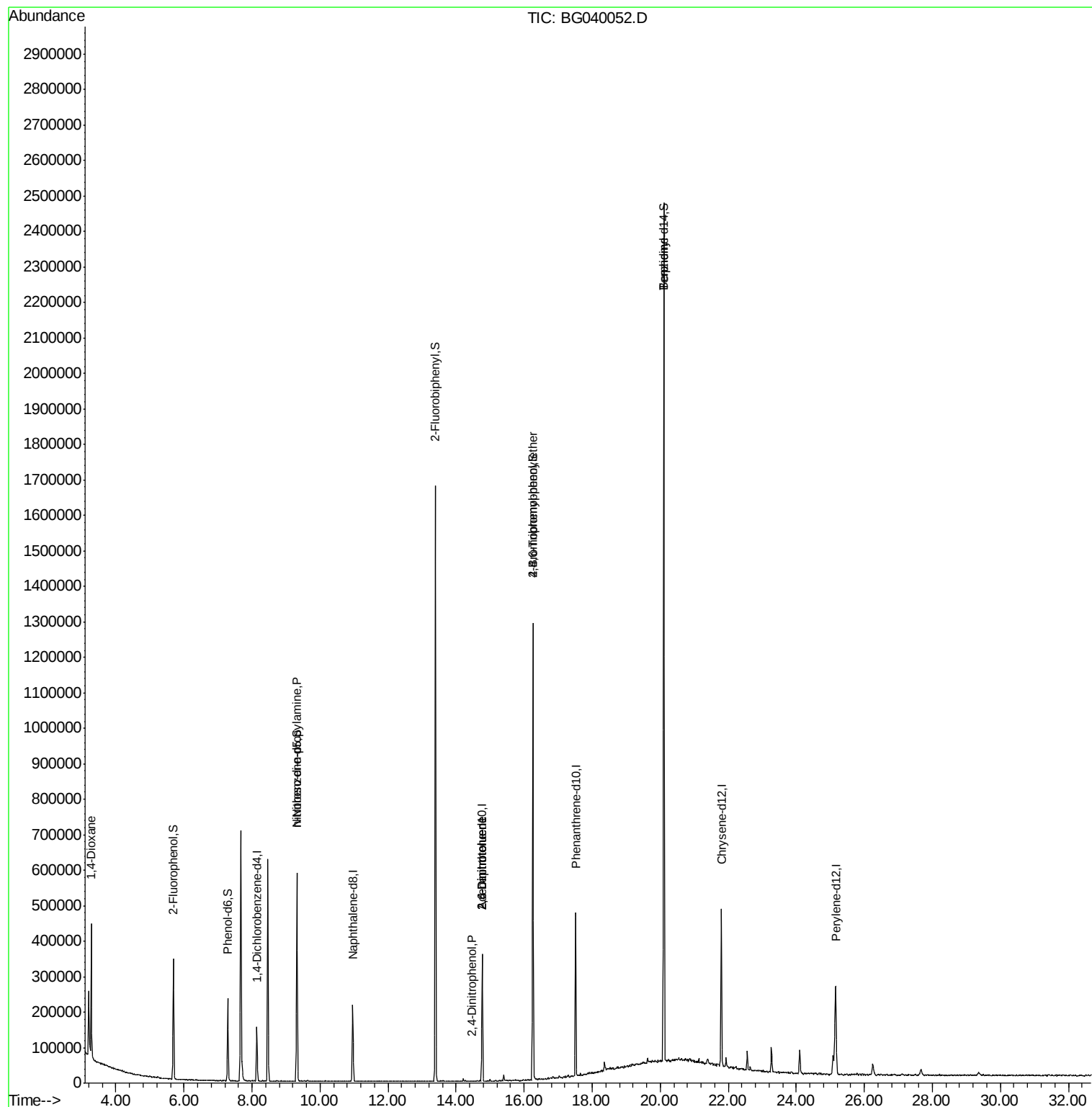
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.27	88	3475	3.038	ng	# 1
19) n-Nitroso-di-n-propylamine	9.32	70	44889	16.881	ng	# 71
51) 2,6-Dinitrotoluene	14.77	165	16103	7.051	ng	# 22
54) 2,4-Dinitrophenol	14.47	184	60	5.295	ng	# 18
57) 2,4-Dinitrotoluene	14.77	165	16103	5.018	ng	# 17
67) 4-Bromophenyl-phenylether	16.25	248	16810	5.297	ng	# 1
77) Benzidine	20.11	184	21157	2.438	ng	97

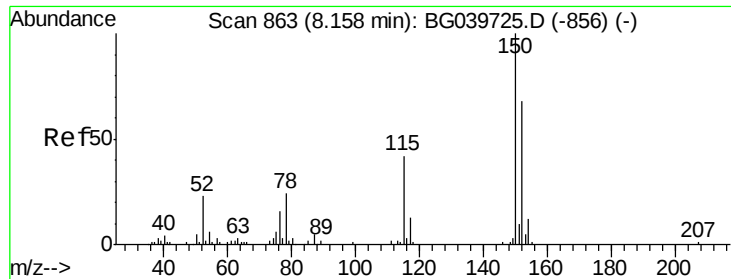
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 04 14:38:15 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.14 min Scan# 860

Delta R.T. -0.03 min

Lab File: BG040052.D

Acq: 21 Mar 2019 1:46

Instrument :

BNA_G

ClientSampled :

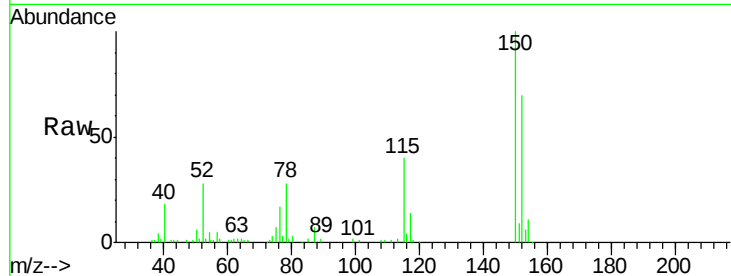
Tot Ion:152 Resp: 42271

Ion Ratio Lower Upper

152 100

150 143.7 123.7 185.5

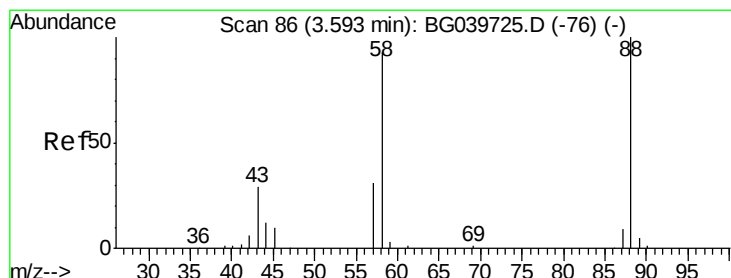
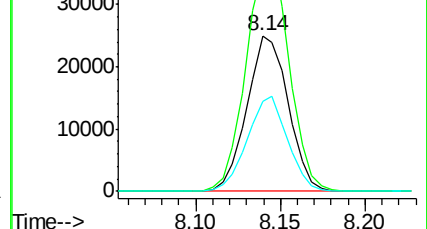
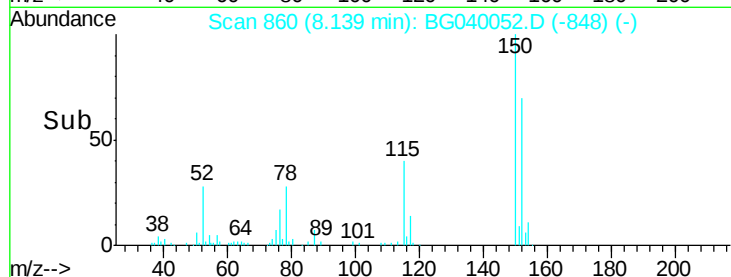
115 57.8 45.9 68.9



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



#2

1,4-Dioxane

Concen: 3.038 ng

RT: 3.27 min Scan# 31

Delta R.T. -0.34 min

Lab File: BG040052.D

Acq: 21 Mar 2019 1:46

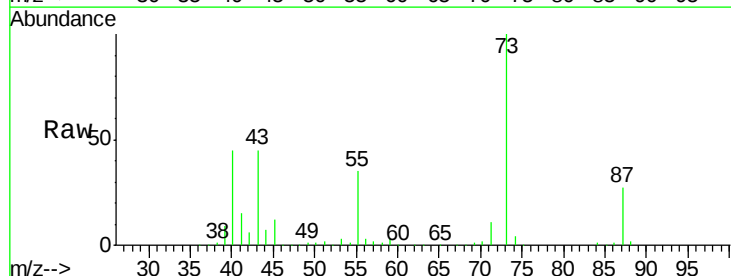
Tgt Ion: 88 Resp: 3475

Ion Ratio Lower Upper

88 100

58 29.2 81.1 121.7#

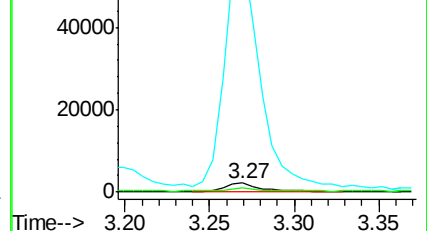
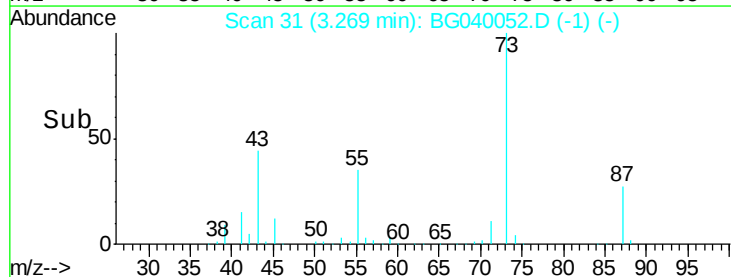
43 2385.3 31.4 47.0#

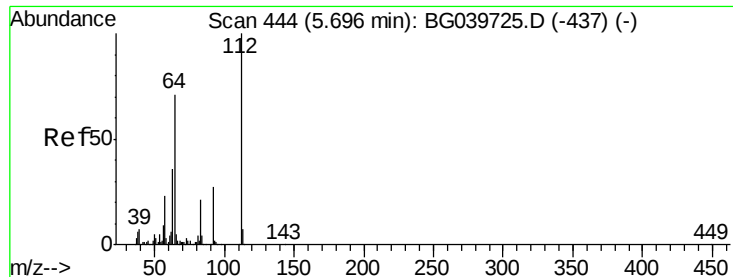


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 59.286 ng

RT: 5.69 min Scan# 443

Delta R.T. -0.02 min

Lab File: BG040052.D

Acq: 21 Mar 2019 1:46

Instrument :

BNA_G

ClientSampleId :

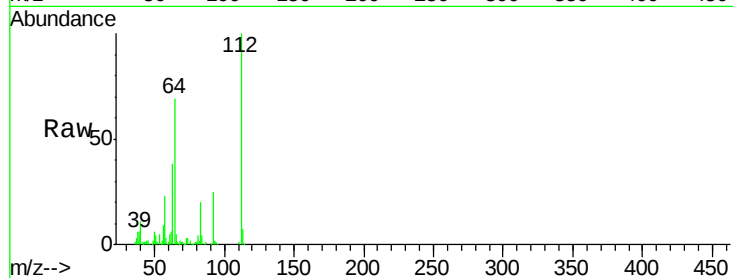
Tot Ion:112 Resp: 146898

Ion Ratio Lower Upper

112 100

64 68.8 57.8 86.8

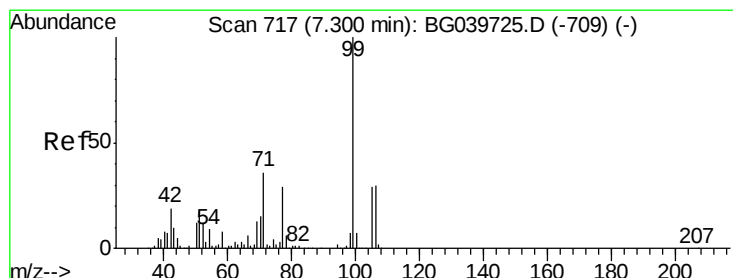
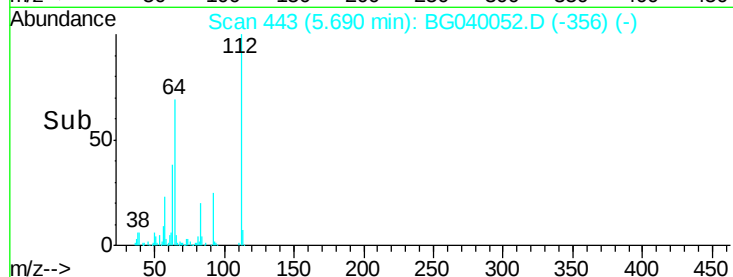
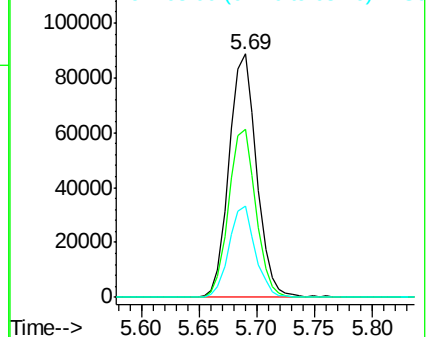
63 37.7 29.8 44.6



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: 35.402 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.03 min

Lab File: BG040052.D

Acq: 21 Mar 2019 1:46

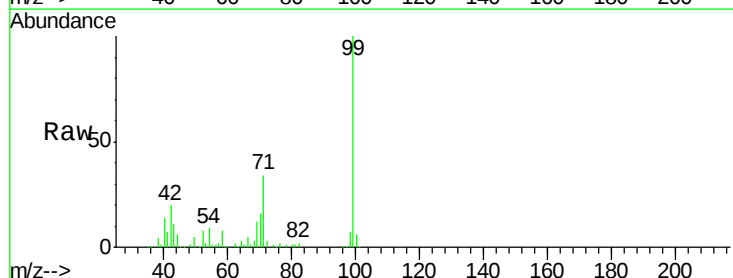
Tgt Ion: 99 Resp: 130791

Ion Ratio Lower Upper

99 100

42 19.6 18.2 27.2

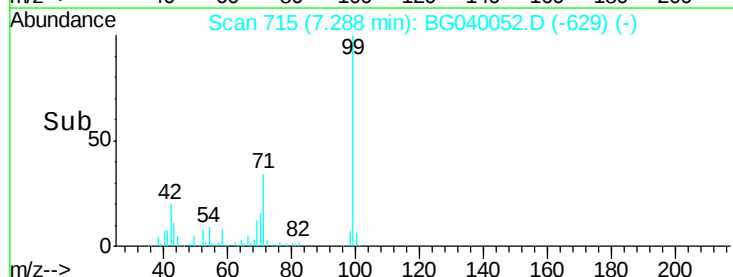
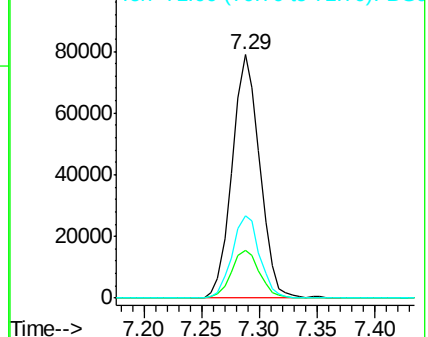
71 33.6 28.0 42.0

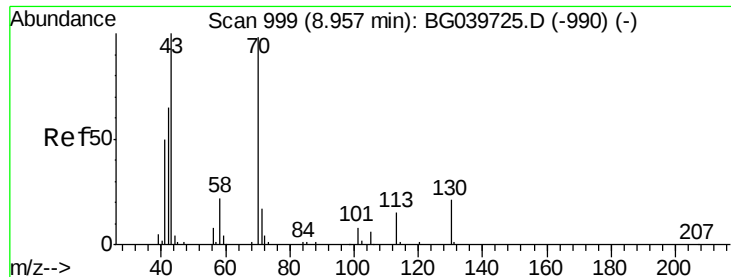


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

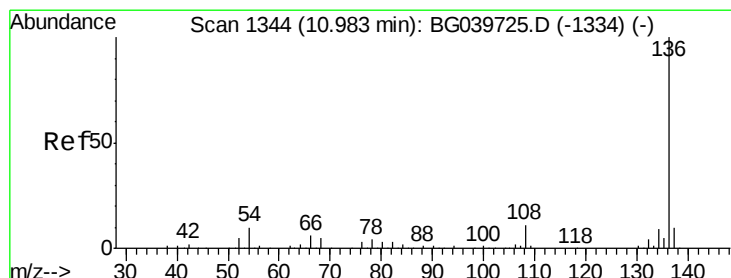
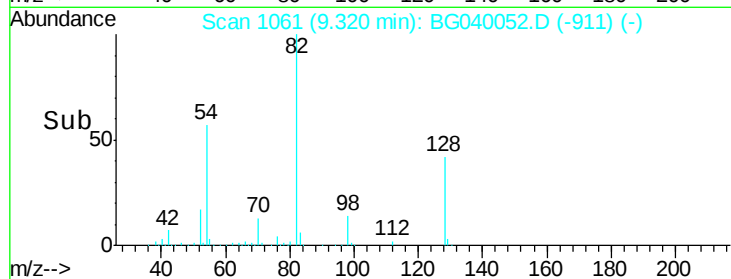
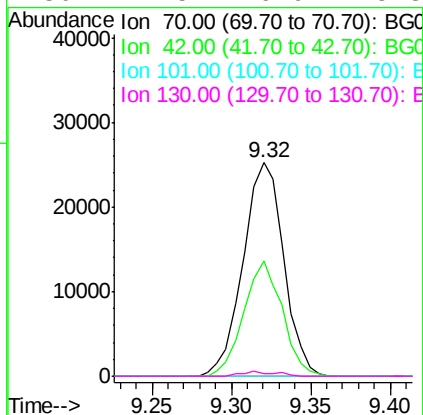
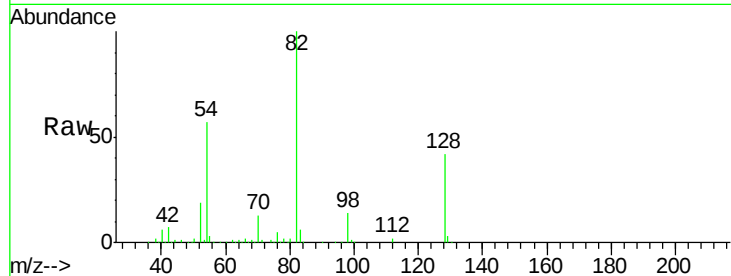




#19
n-Nitroso-di-n-propylamine
Concen: 16.881 ng
RT: 9.32 min Scan# 1061
Delta R.T. 0.35 min
Lab File: BG040052.D
Acq: 21 Mar 2019 1:46

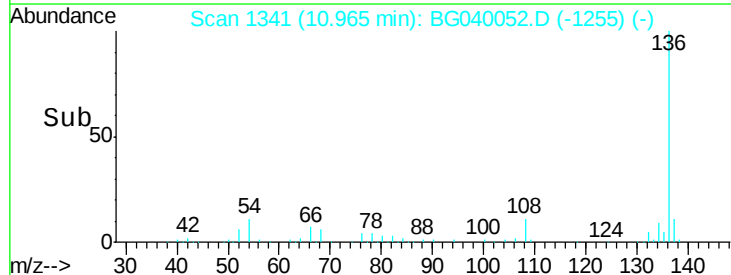
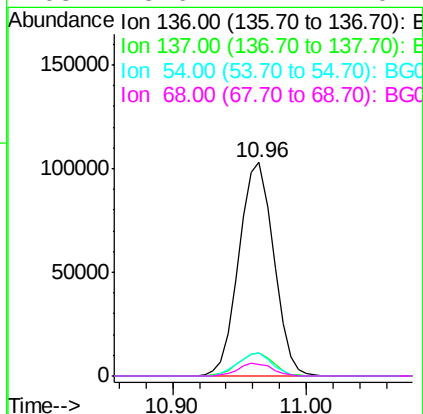
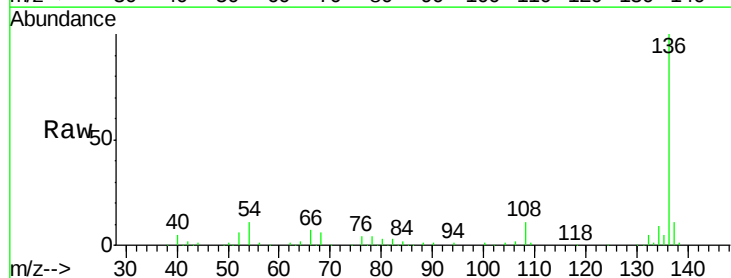
Instrument :
BNA_G
ClientSampleId :

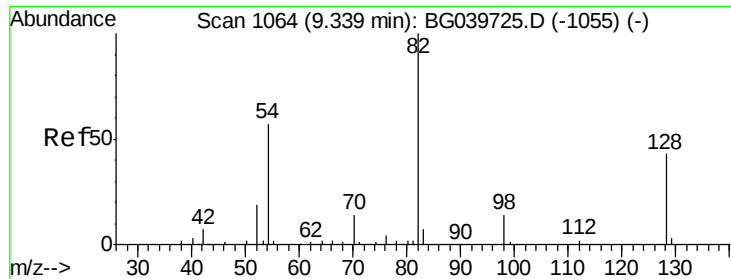
Tot Ion: 70 Resp: 44889
Ion Ratio Lower Upper
70 100
42 53.9 60.4 90.6#
101 0.0 7.5 11.3#
130 1.5 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1341
Delta R.T. -0.03 min
Lab File: BG040052.D
Acq: 21 Mar 2019 1:46

Tgt Ion: 136 Resp: 186039
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 10.6 9.4 14.2
68 5.6 4.2 6.4

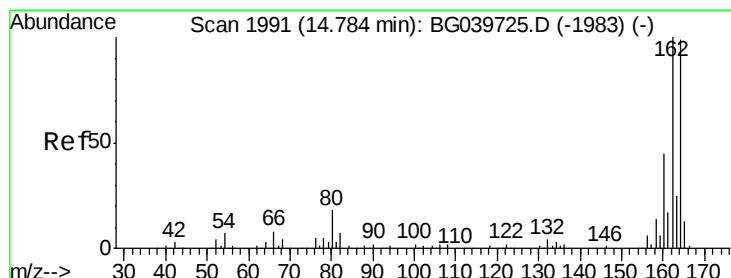
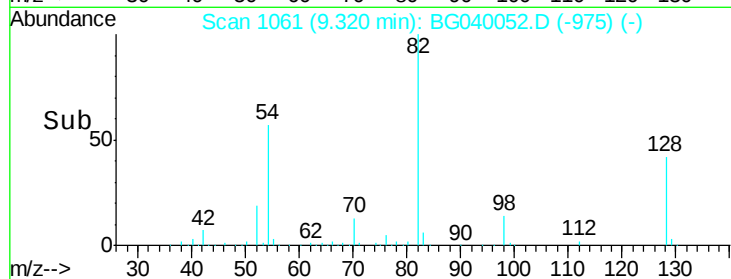
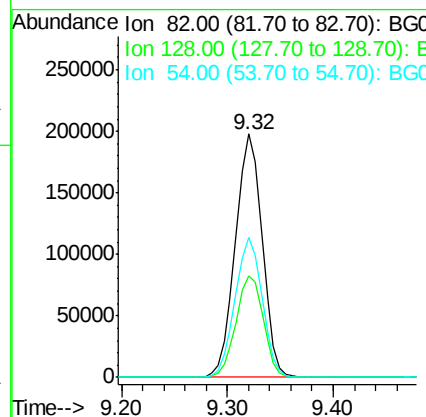
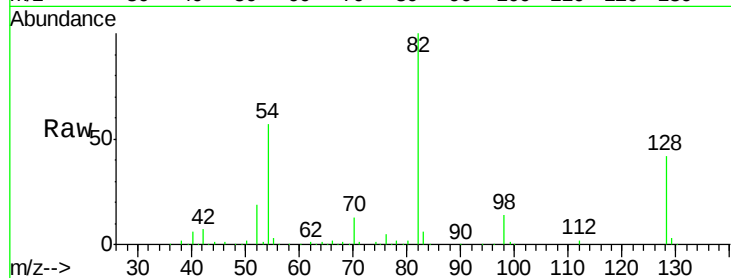




#23
 Nitrobenzene-d5
 Concen: 100.918 ng
 RT: 9.32 min Scan# 1061
 Delta R.T. -0.03 min
 Lab File: BG040052.D
 Acq: 21 Mar 2019 1:46

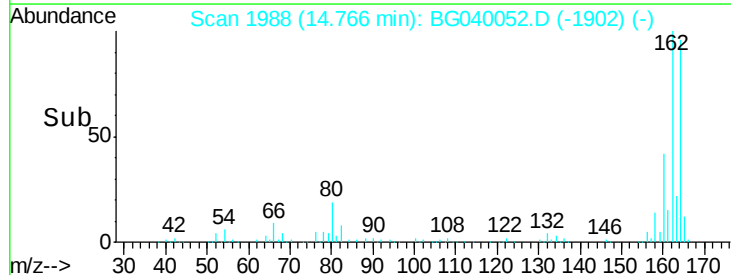
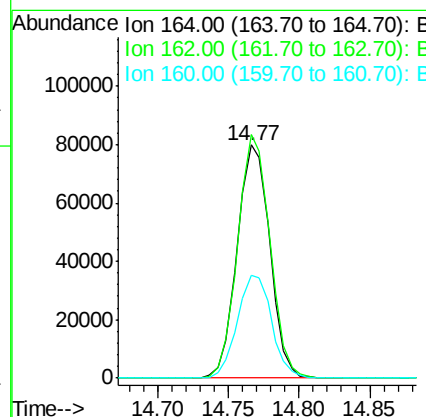
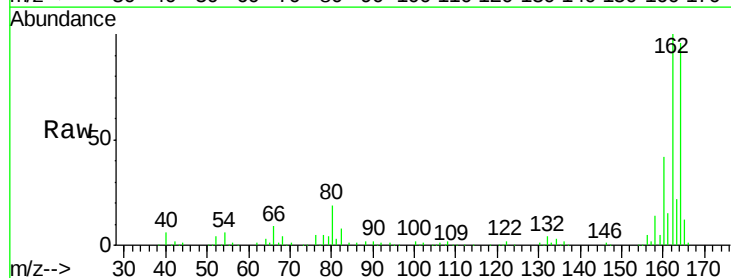
Instrument :
 BNA_G
 ClientSampleId :

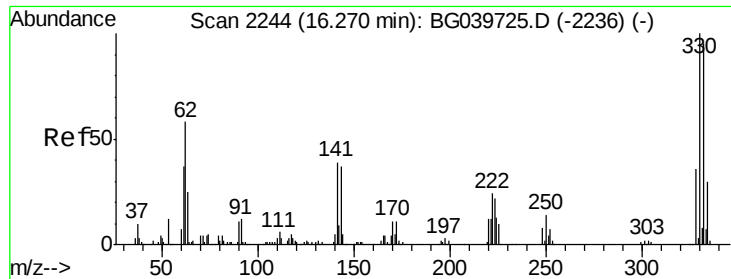
Tot Ion: 82 Resp: 347140
 Ion Ratio Lower Upper
 82 100
 128 41.9 31.3 46.9
 54 57.5 50.9 76.3



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.03 min
 Lab File: BG040052.D
 Acq: 21 Mar 2019 1:46

Tgt Ion:164 Resp: 128838
 Ion Ratio Lower Upper
 164 100
 162 104.4 81.6 122.4
 160 44.1 34.2 51.2

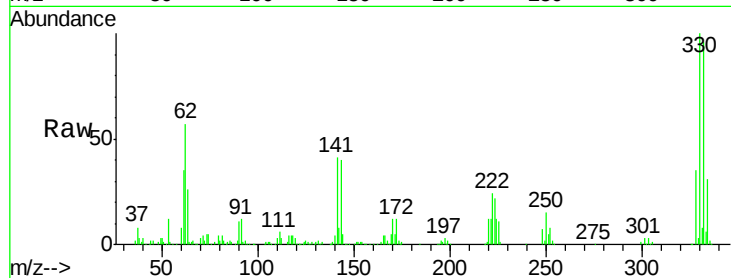




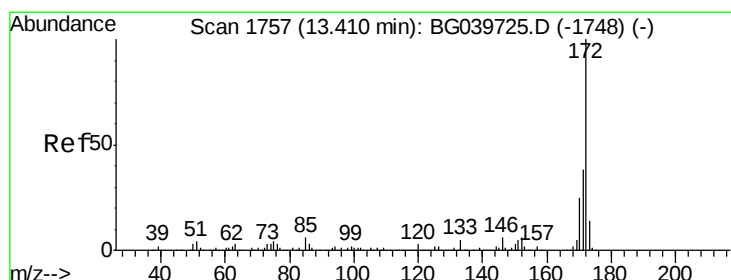
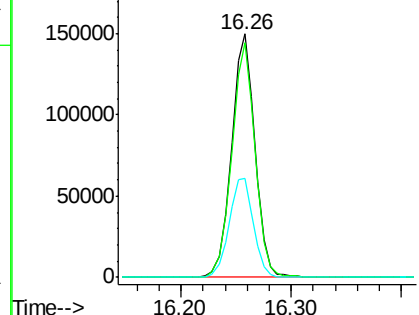
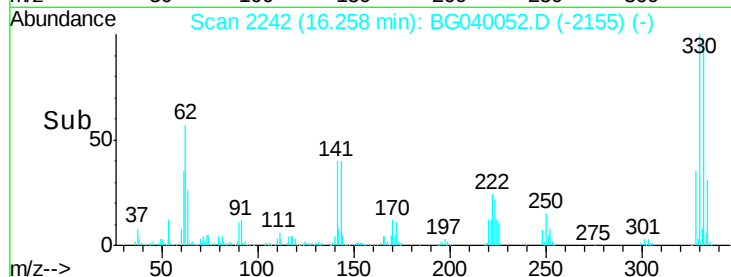
#42
 2,4,6-Tribromophenol
 Concen: 147.756 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.02 min
 Lab File: BG040052.D
 Acq: 21 Mar 2019 1:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	75.7	113.5
141	42.3	35.6	53.4

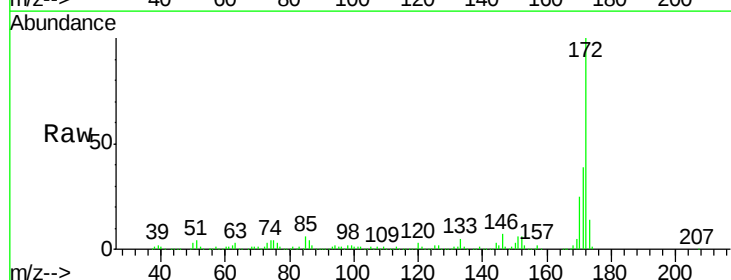


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

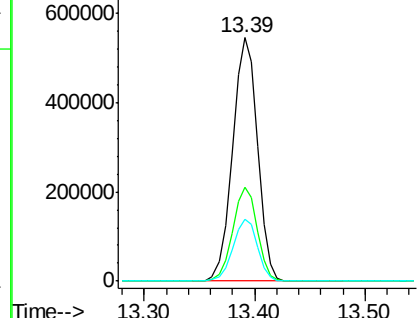
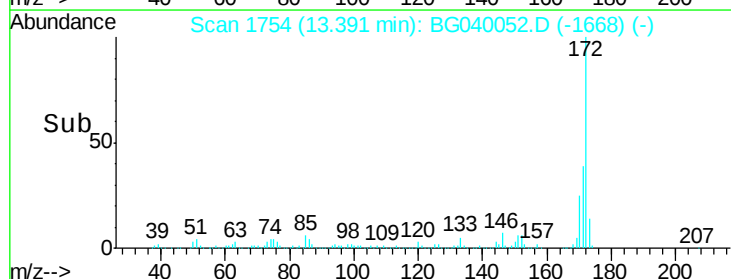


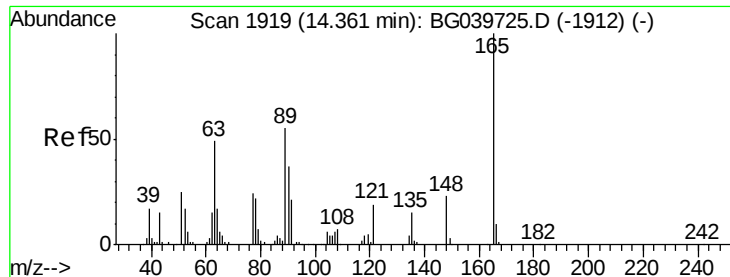
#45
 2-Fluorobiphenyl
 Concen: 95.155 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.03 min
 Lab File: BG040052.D
 Acq: 21 Mar 2019 1:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.7	30.8	46.2
170	25.3	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: 7.051 ng

RT: 14.77 min Scan# 1988

Delta R.T. 0.40 min

Lab File: BG040052.D

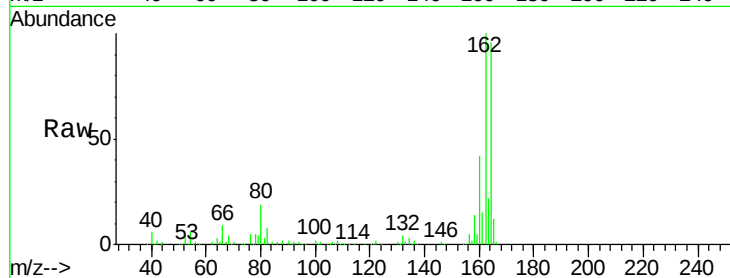
Acq: 21 Mar 2019 1:46

Instrument :

BNA_G

ClientSampleId :

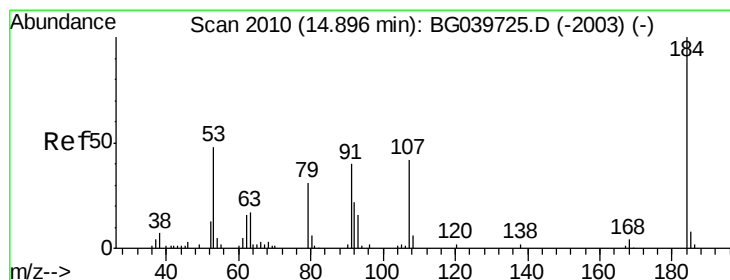
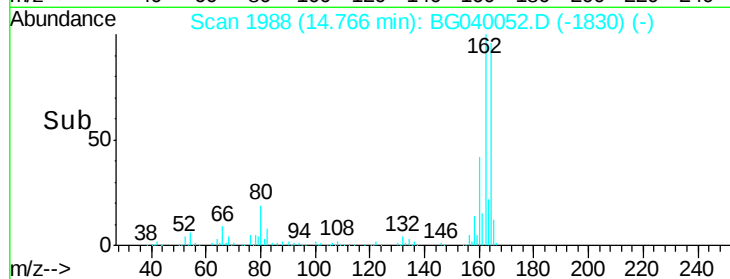
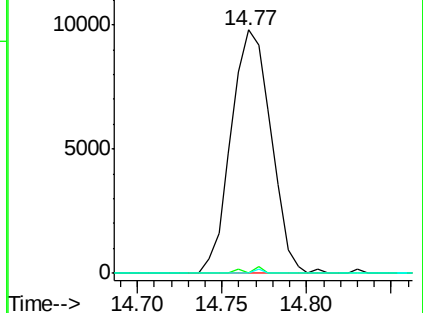
Tot Ion:	165	Resp:	16103
Ion Ratio	Lower	Upper	
165	100		
63	0.0	47.0	70.6#
89	0.0	45.8	68.8#



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: 5.295 ng

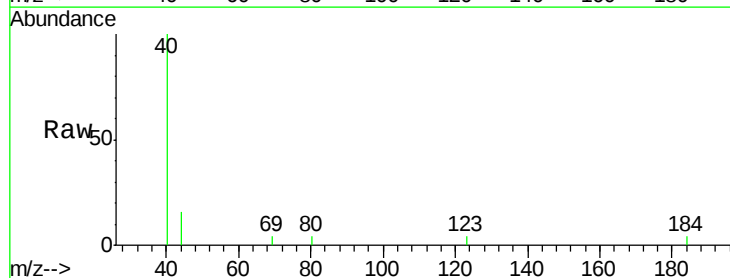
RT: 14.47 min Scan# 1937

Delta R.T. -0.44 min

Lab File: BG040052.D

Acq: 21 Mar 2019 1:46

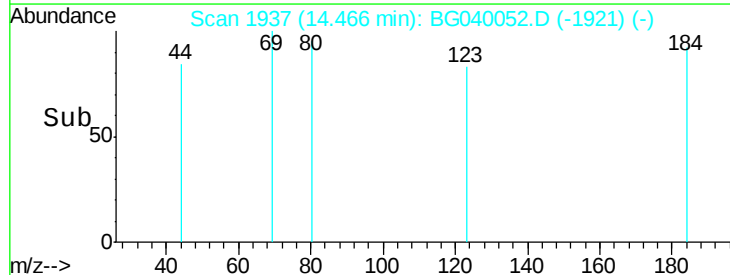
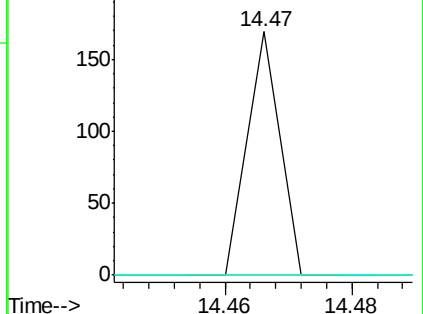
Tgt Ion:	184	Resp:	60
Ion Ratio	Lower	Upper	
184	100		
63	0.0	50.9	76.3#
154	0.0	53.0	79.6#

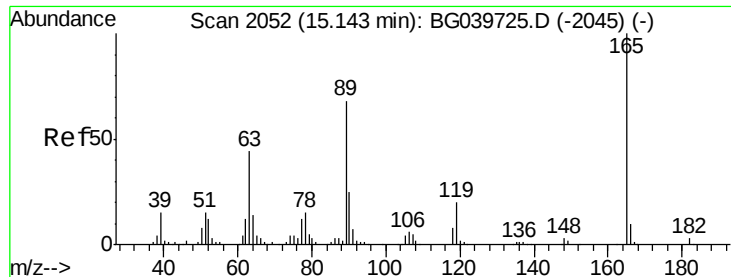


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

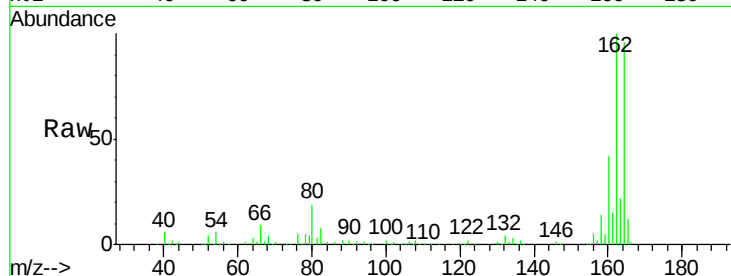




#57
 2,4-Dinitrotoluene
 Concen: 5.018 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.38 min
 Lab File: BG040052.D
 Acq: 21 Mar 2019 1:46

Instrument :
 BNA_G
 ClientSampleId :

Tot 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#

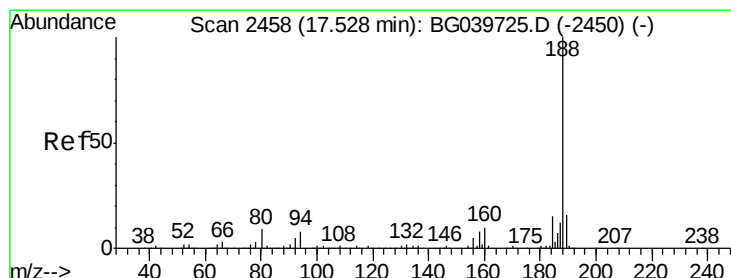
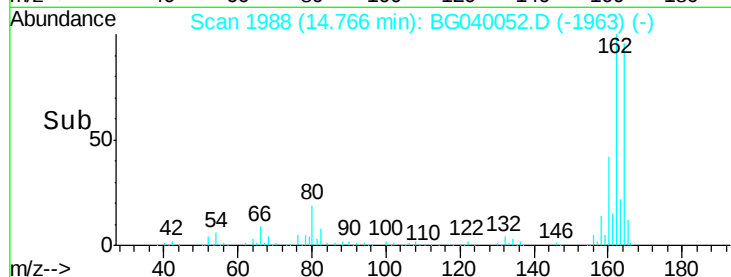
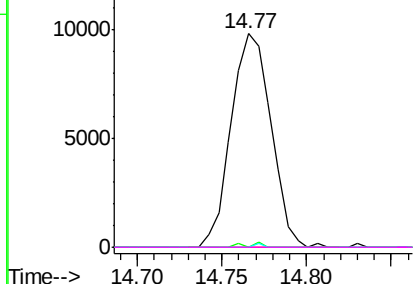


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

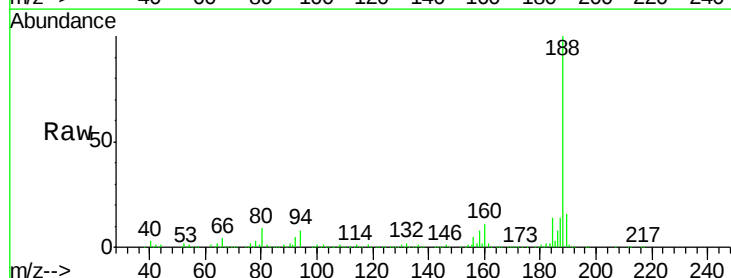
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG040052.D
 Acq: 21 Mar 2019 1:46

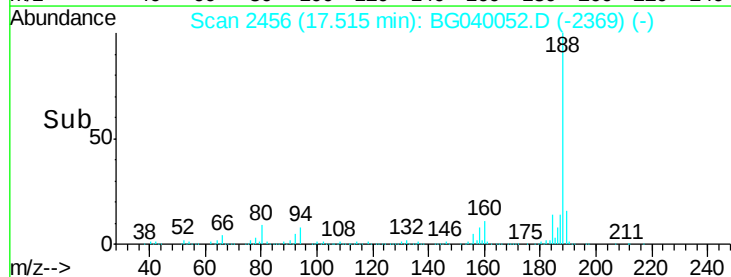
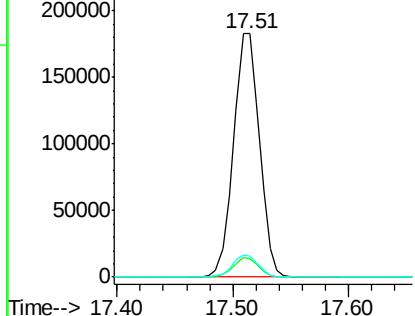
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.9	10.3
80	8.6	8.1	12.1

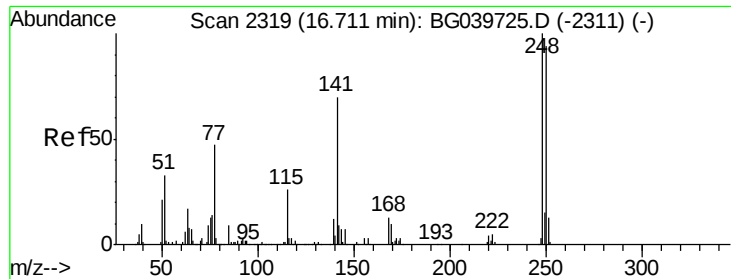


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

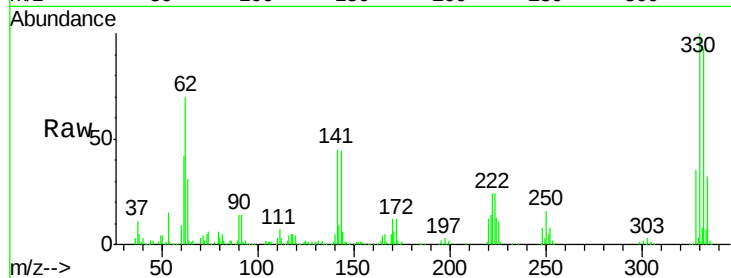




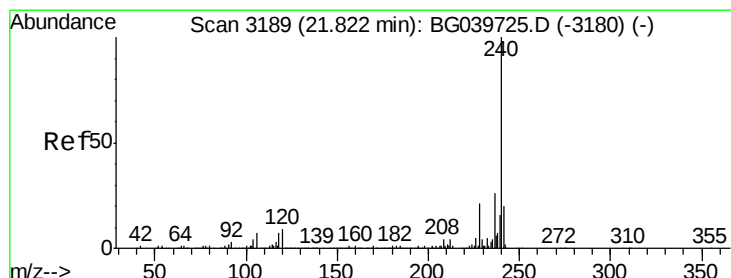
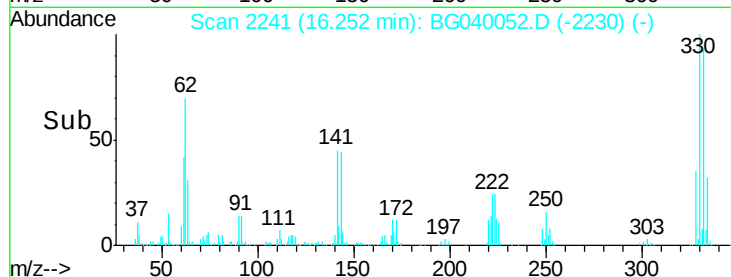
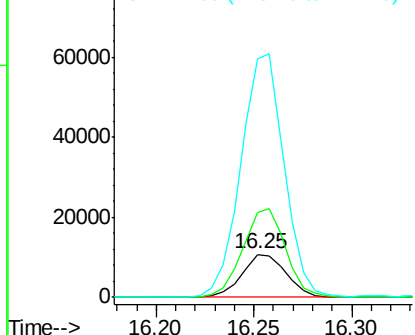
#67
4-Bromophenyl-phenylether
Concen: 5.297 ng
RT: 16.25 min Scan# 2241
Delta R.T. -0.47 min
Lab File: BG040052.D
Acq: 21 Mar 2019 1:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 16810
Ion Ratio Lower Upper
248 100
250 195.9 77.6 116.4#
141 554.7 63.9 95.9#

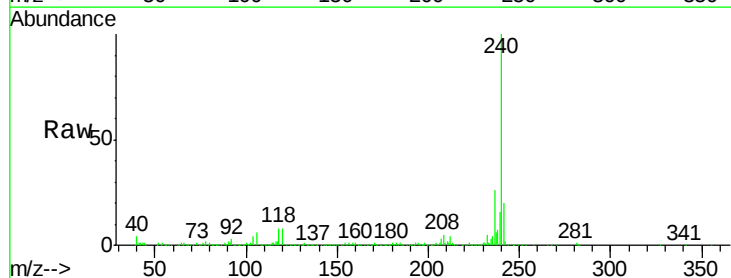


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

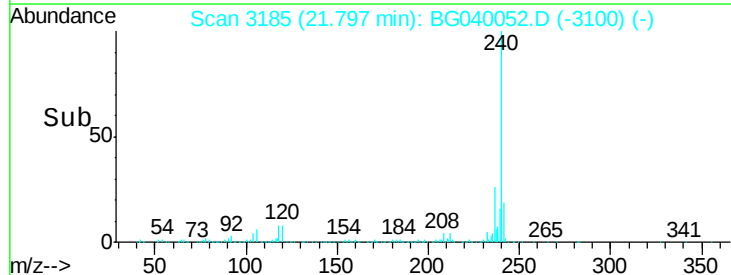
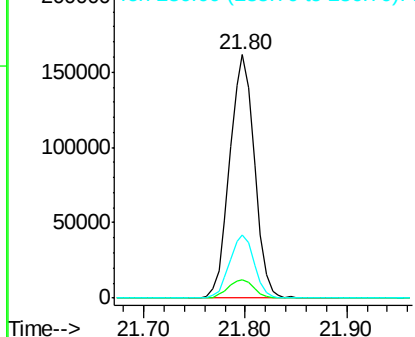


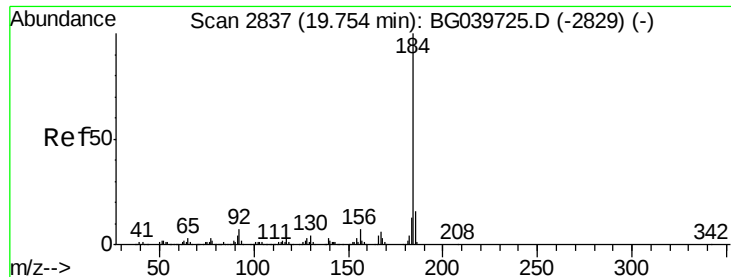
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3185
Delta R.T. -0.03 min
Lab File: BG040052.D
Acq: 21 Mar 2019 1:46

Tgt Ion:240 Resp: 273420
Ion Ratio Lower Upper
240 100
120 7.6 7.0 10.6
236 25.7 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: 2.438 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040052.D

Acq: 21 Mar 2019 1:46

Instrument :

BNA_G

ClientSampleId :

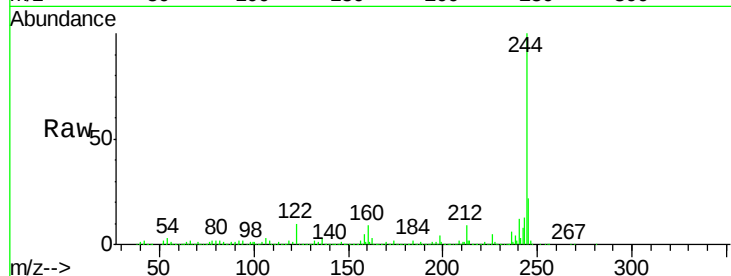
Tot Ion:184 Resp: 21157

Ion Ratio Lower Upper

184 100

185 17.5 12.2 18.2

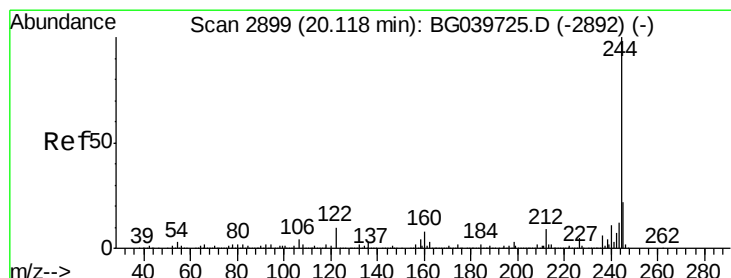
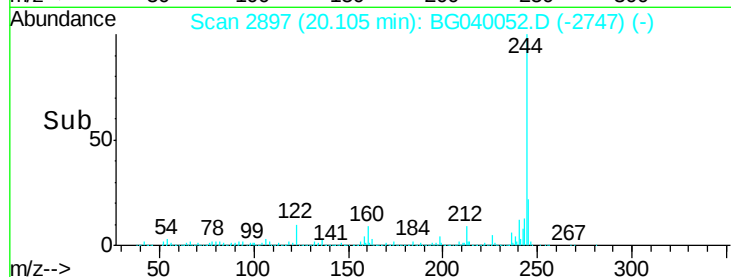
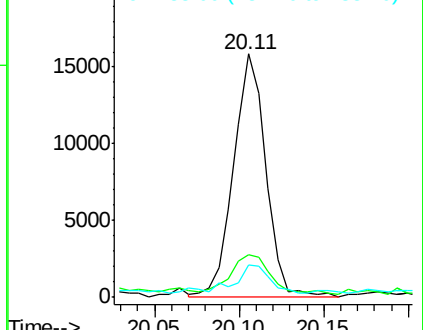
183 13.3 10.6 15.8



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: 89.926 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040052.D

Acq: 21 Mar 2019 1:46

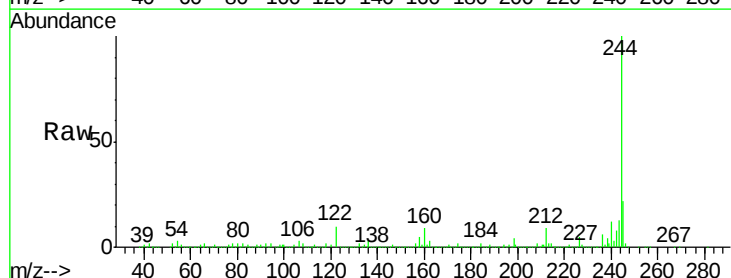
Tgt Ion:244 Resp: 1116705

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

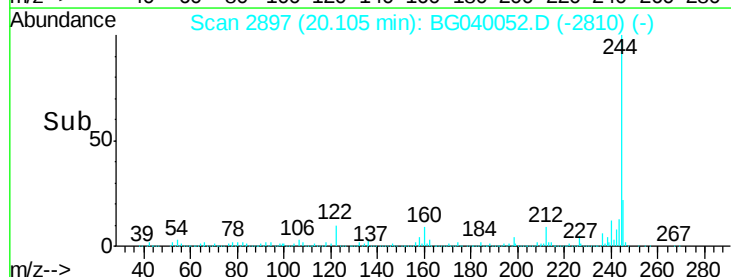
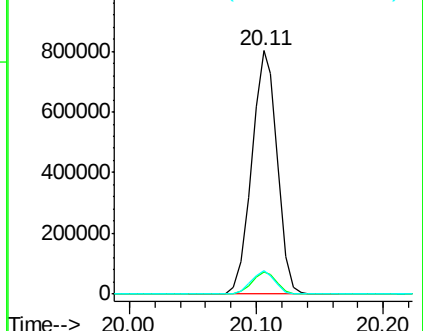
122 9.6 8.4 12.6

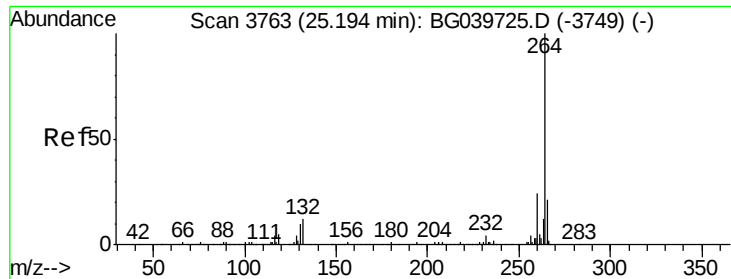


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.15 min Scan# 3756
Delta R.T. -0.05 min
Lab File: BG040052.D
Acq: 21 Mar 2019 1:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 264 Resp: 280304

Ion	Ratio	Lower	Upper
264	100		
260	21.0	18.2	27.4
265	19.7	18.5	27.7

