

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050319\
 Data File : BG040729.D
 Acq On : 3 May 2019 17:52
 Operator : JU/SJ
 Sample : K2635-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AU-05-050219-A

Quant Time: May 03 23:17:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

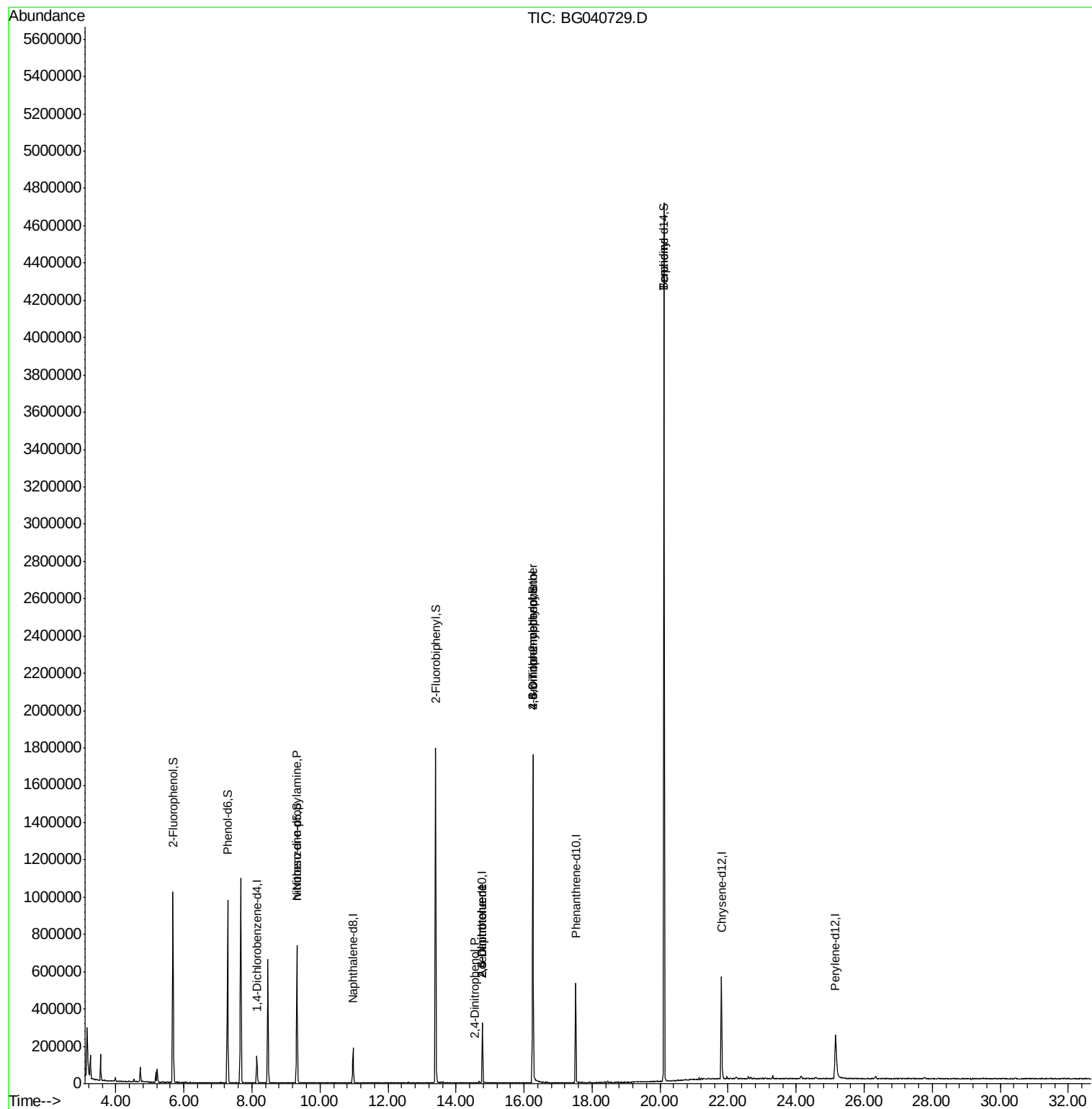
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	36069	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	143079	20.00	ng	-0.02
39) Acenaphthene-d10	14.78	164	107407	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	326177	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	344179	20.00	ng	-0.02
87) Perylene-d12	25.16	264	320802	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	364728	178.25	ng	0.00
7) Phenol-d6	7.28	99	480619	152.55	ng	-0.01
23) Nitrobenzene-d5	9.32	82	423168	136.66	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	319594	216.48	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	867881	116.70	ng	-0.02
79) Terphenyl-d14	20.12	244	2053198	132.16	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	986	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.32	70	61800	21.791 ng	#	18
51) 2,6-Dinitrotoluene	14.78	165	14259	8.130 ng	#	74
54) 2,4-Dinitrophenol	14.56	184	76	7.085 ng	#	15
57) 2,4-Dinitrotoluene	14.78	165	14259	5.983 ng	#	21
65) 4,6-Dinitro-2-methylphenol	16.26	198	1052	7.659 ng	#	17
67) 4-Bromophenyl-phenylether	16.26	248	23905	5.883 ng	#	1
77) Benzidine	20.12	184	39823	4.226 ng	#	1
					#	93

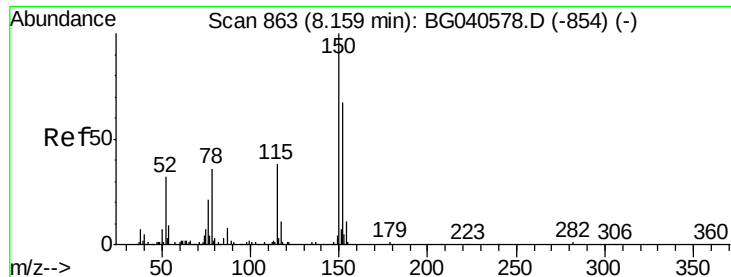
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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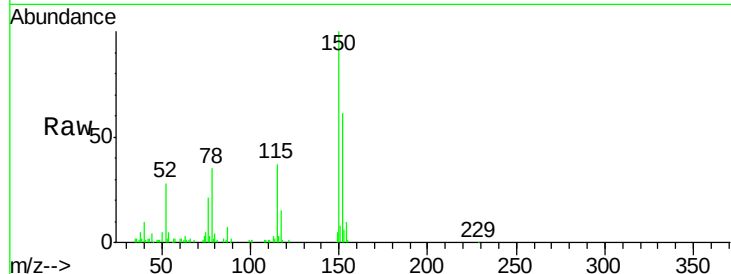


#1

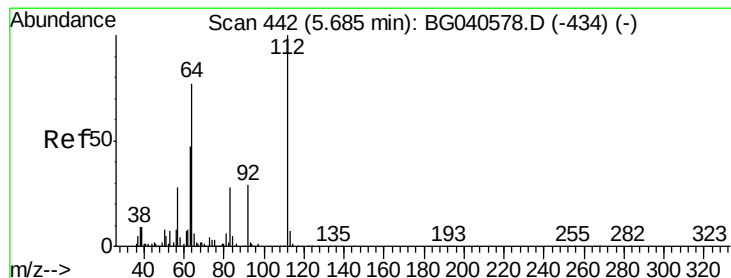
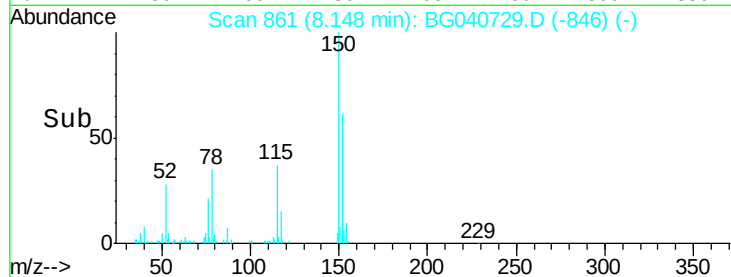
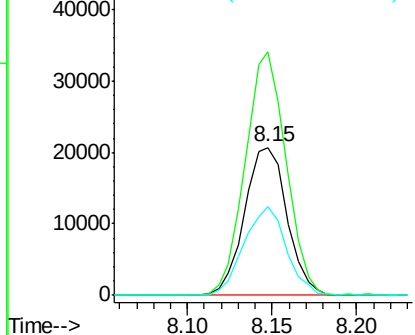
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040729.D
Acq: 3 May 2019 17:52

Instrument :
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ClientSampleId :
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Tot Ion	152	Resp	36069
Ion Ratio	Lower	Upper	
152	100		
150	164.3	120.2	180.2
115	60.3	46.2	69.2



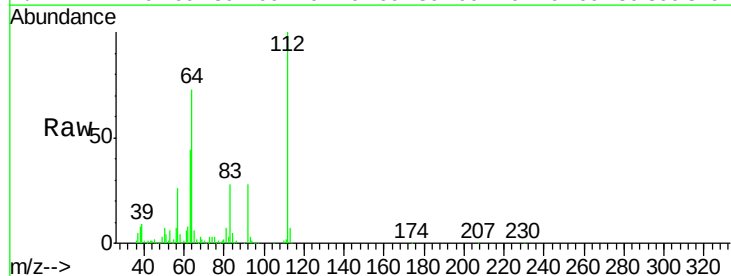
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



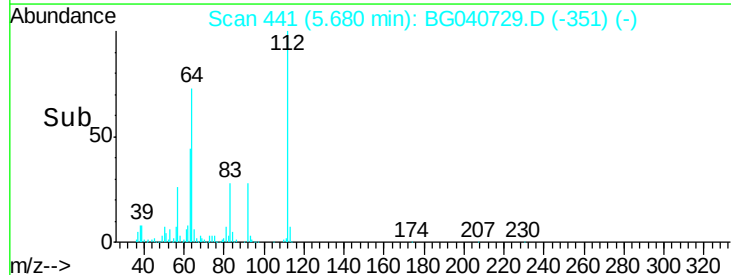
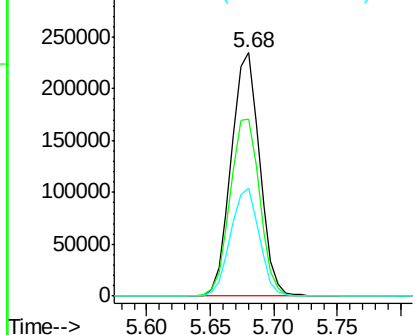
#5

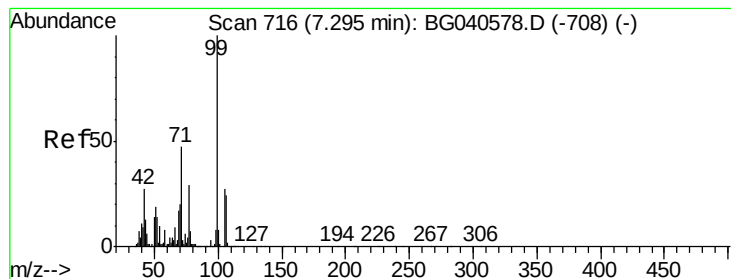
2-Fluorophenol
Concen: 178.250 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.00 min
Lab File: BG040729.D
Acq: 3 May 2019 17:52

Tgt Ion	112	Resp	364728
Ion Ratio	Lower	Upper	
112	100		
64	72.7	61.4	92.0
63	44.2	37.8	56.6



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: 152.553 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040729.D

Acq: 3 May 2019 17:52

Instrument :

BNA_G

ClientSampleId :

AU-05-050219-A

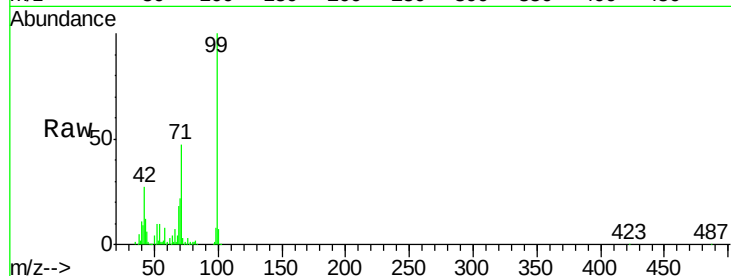
Tot Ion: 99 Resp: 480619

Ion Ratio Lower Upper

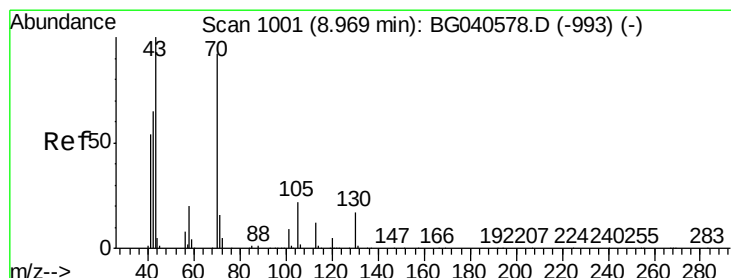
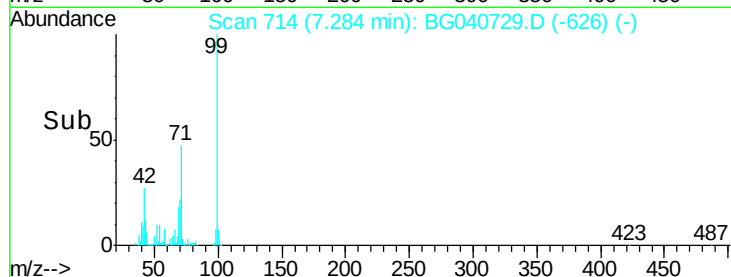
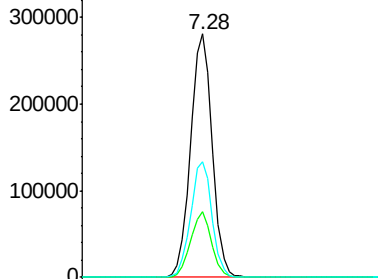
99 100

42 27.2 21.8 32.8

71 47.4 38.6 57.8



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: 21.791 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040729.D

Acq: 3 May 2019 17:52

Tgt Ion: 70 Resp: 61800

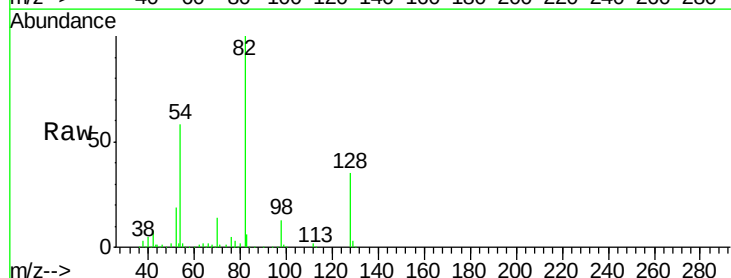
Ion Ratio Lower Upper

70 100

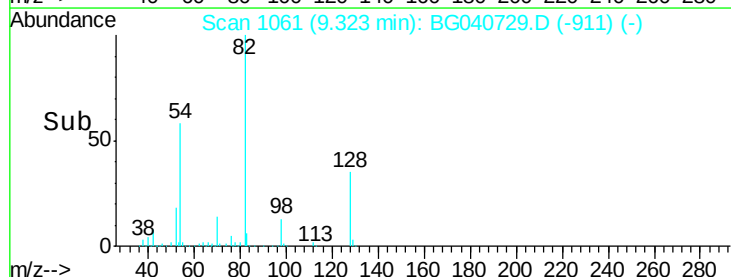
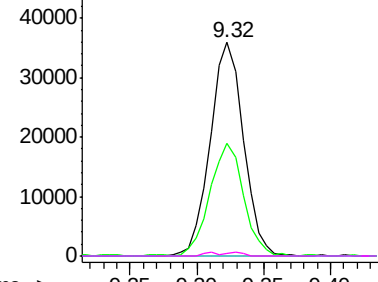
42 53.0 57.1 85.7#

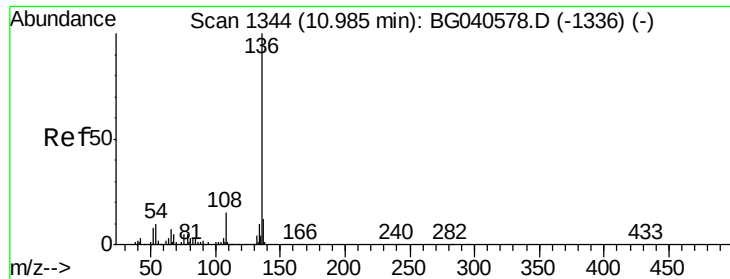
101 0.0 7.8 11.8#

130 1.0 14.6 21.8#



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: 10.97 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BG040729.D

Acq: 3 May 2019 17:52

Instrument :

BNA_G

ClientSampleId :

AU-05-050219-A

Tot Ion:136 Resp: 143079

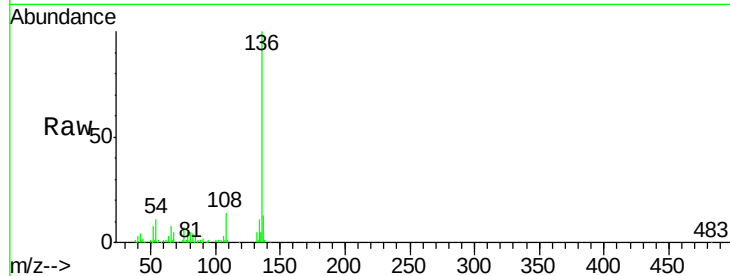
Ion Ratio Lower Upper

136 100

137 13.3 9.7 14.5

54 10.6 8.6 12.8

68 4.7 4.8 7.2#

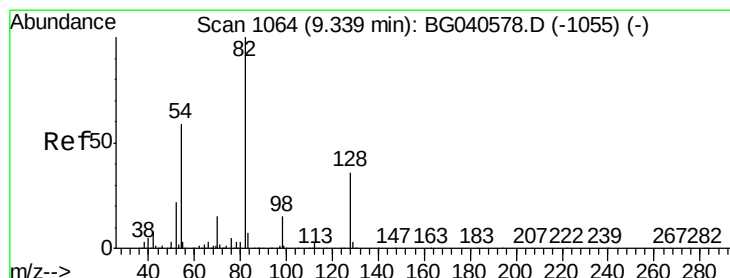
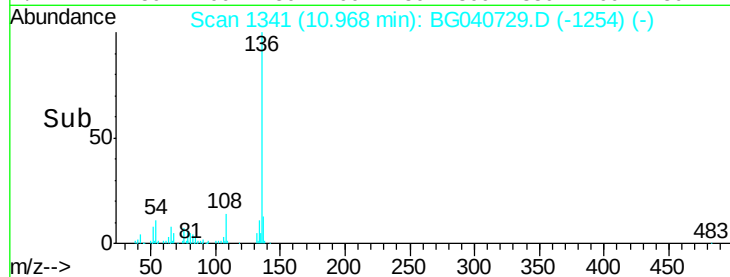
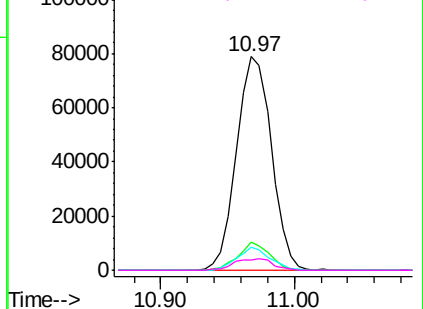


Abundance Ion 136.00 (135.70 to 136.70): E

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: 136.659 ng

RT: 9.32 min Scan# 1061

Delta R.T. -0.02 min

Lab File: BG040729.D

Acq: 3 May 2019 17:52

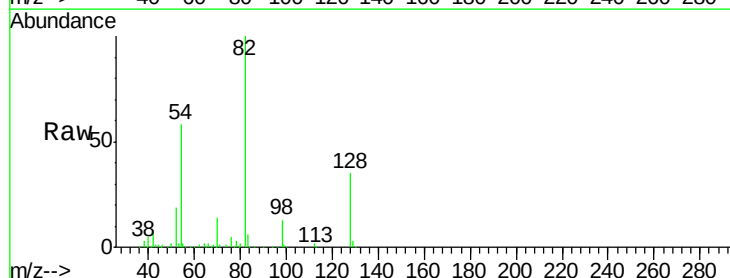
Tgt Ion: 82 Resp: 423168

Ion Ratio Lower Upper

82 100

128 34.6 28.9 43.3

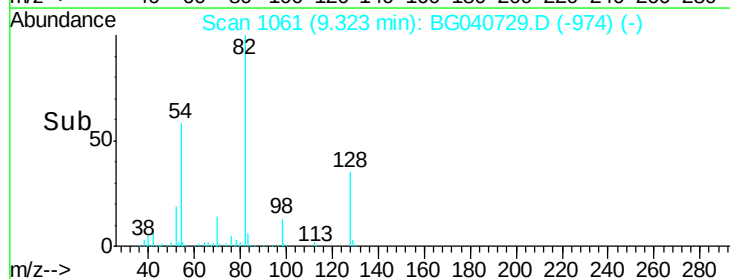
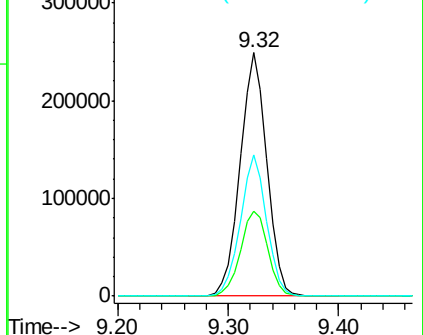
54 58.1 47.2 70.8

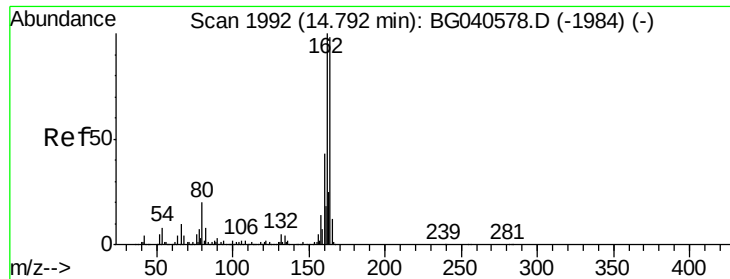


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG040729.D

Acq: 3 May 2019 17:52

Instrument :

BNA_G

ClientSampleId :

AU-05-050219-A

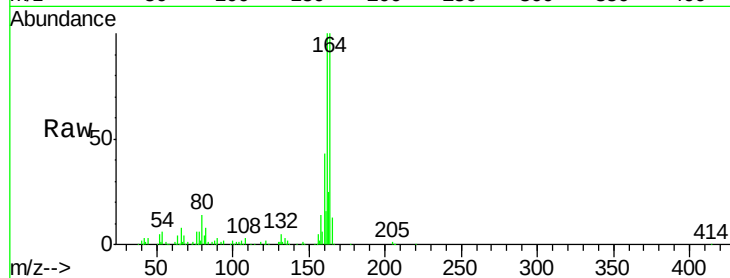
Tot Ion:164 Resp: 107407

Ion Ratio Lower Upper

164 100

162 99.8 81.9 122.9

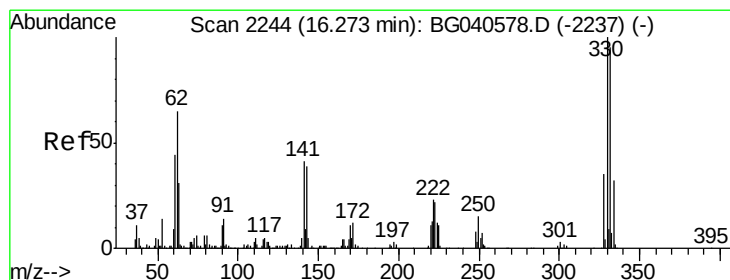
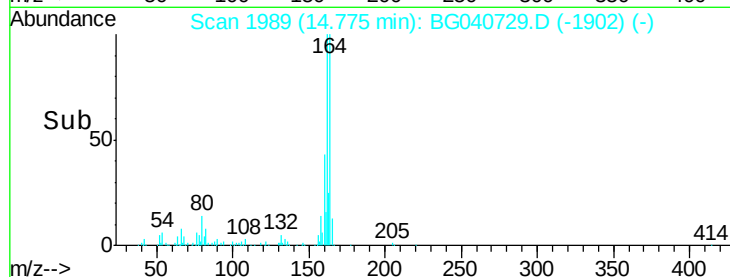
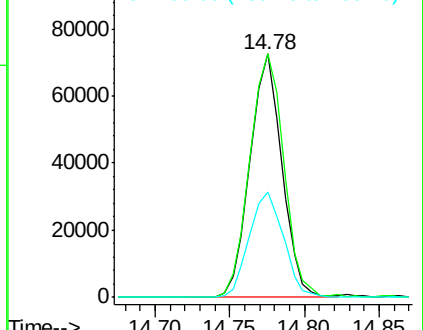
160 43.1 35.4 53.2



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: 216.478 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.01 min

Lab File: BG040729.D

Acq: 3 May 2019 17:52

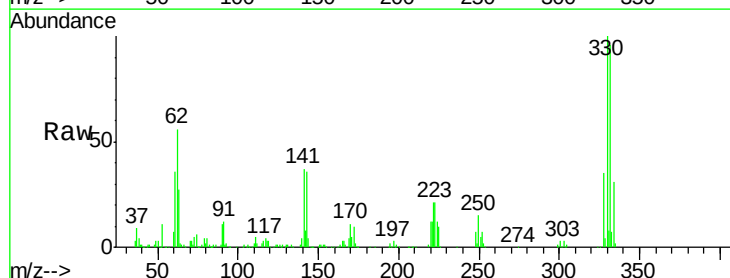
Tgt Ion:330 Resp: 319594

Ion Ratio Lower Upper

330 100

332 98.5 75.9 113.9

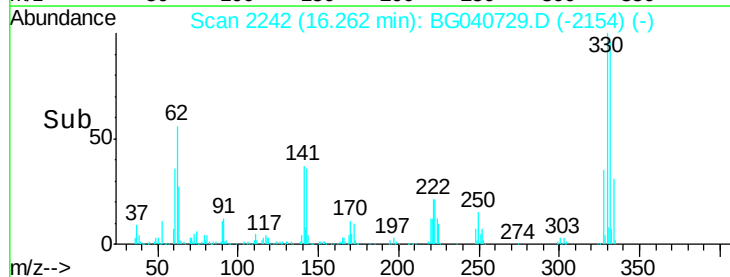
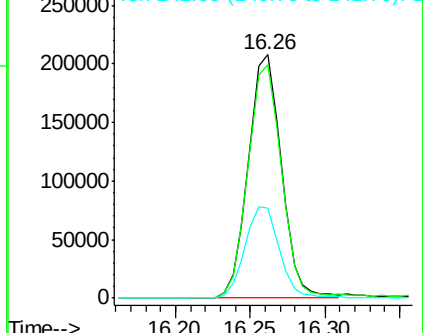
141 39.3 32.4 48.6

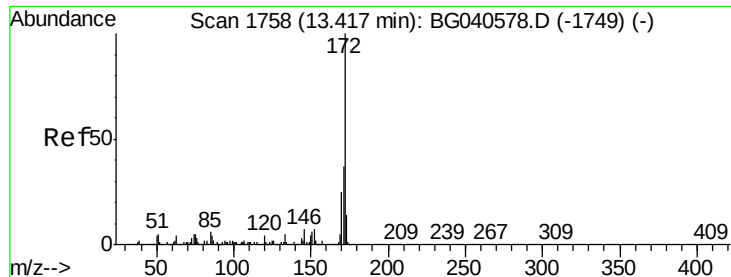


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

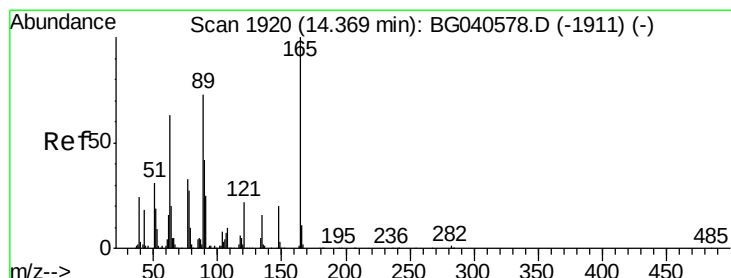
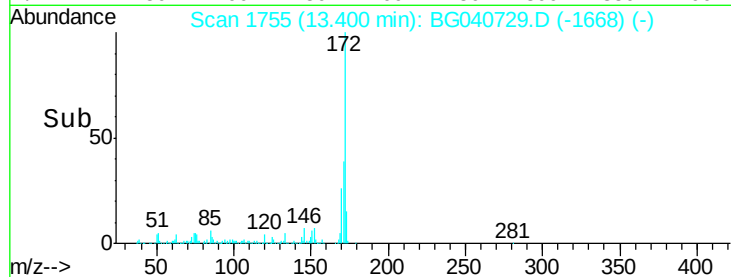
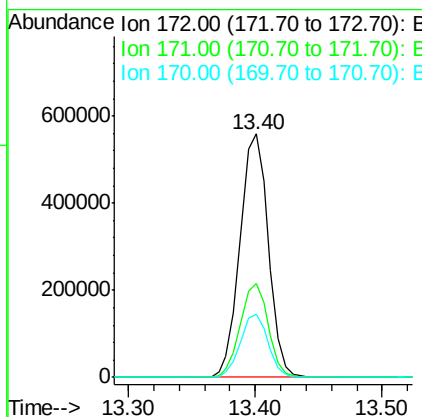
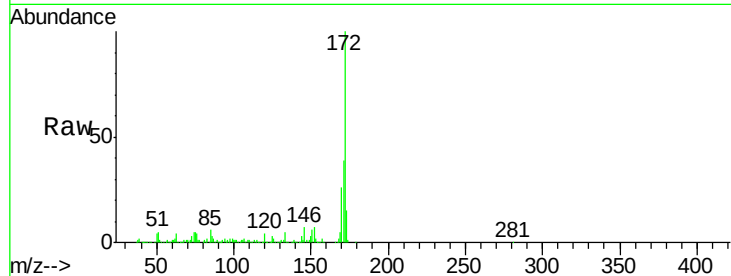




#45
2-Fluorobiphenyl
Concen: 116.696 ng
RT: 13.40 min Scan# 1755
Delta R.T. -0.02 min
Lab File: BG040729.D
Acq: 3 May 2019 17:52

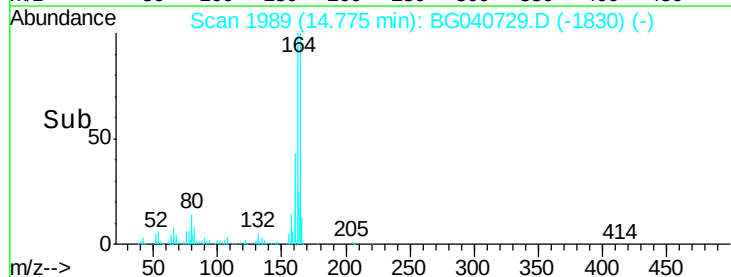
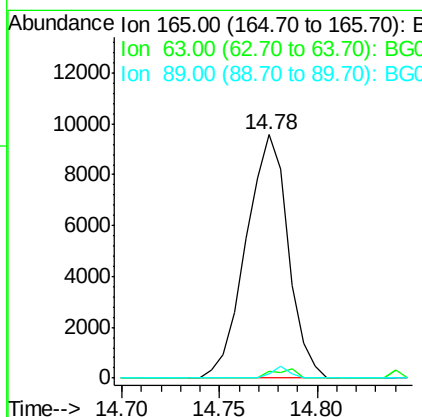
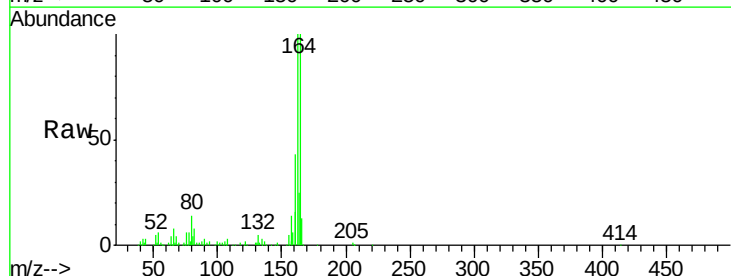
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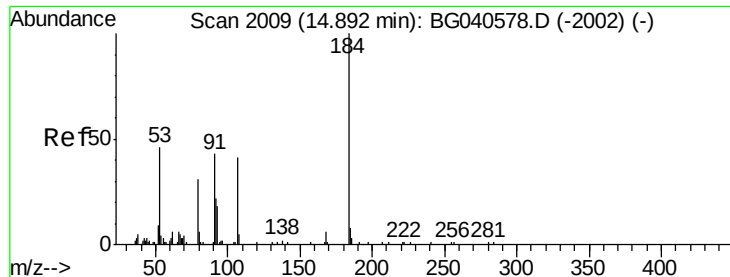
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.5	29.4	44.2
170	25.7	19.9	29.9



#51
2,6-Dinitrotoluene
Concen: 8.130 ng
RT: 14.78 min Scan# 1989
Delta R.T. 0.41 min
Lab File: BG040729.D
Acq: 3 May 2019 17:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.8	61.0	91.4#
89	1.9	58.6	87.8#

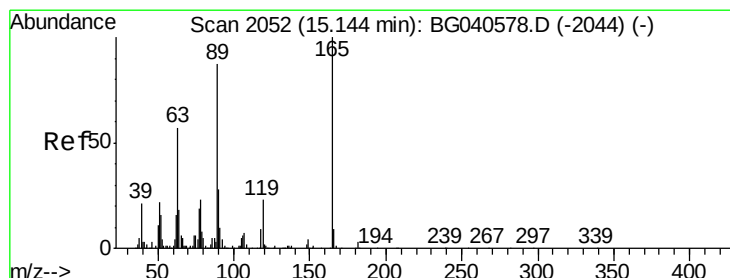
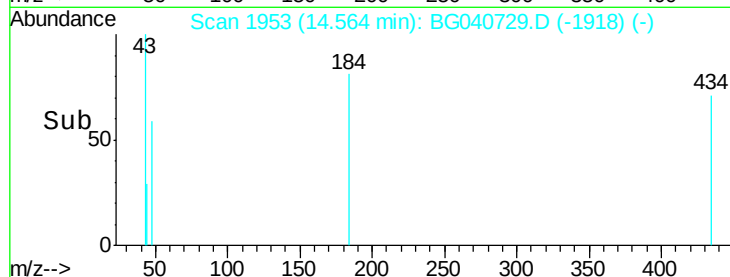
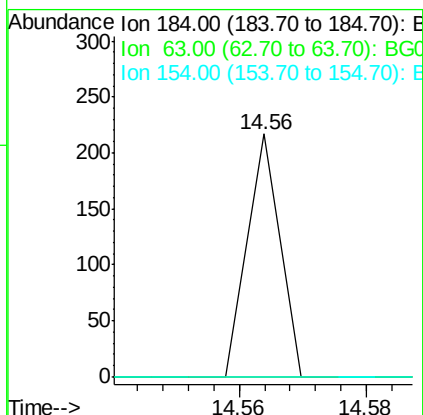
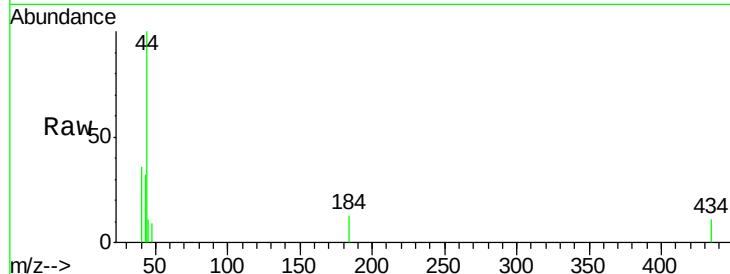




#54
2,4-Dinitrophenol
Concen: 7.085 ng
RT: 14.56 min Scan# 1953
Delta R.T. -0.33 min
Lab File: BG040729.D
Acq: 3 May 2019 17:52

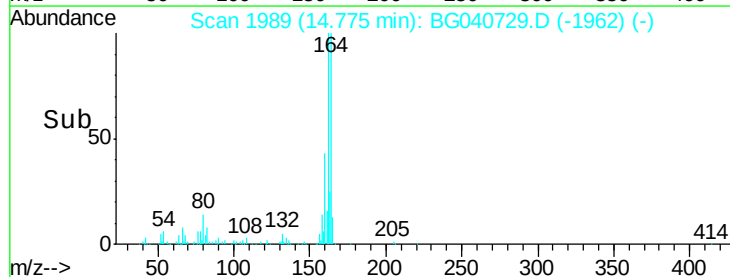
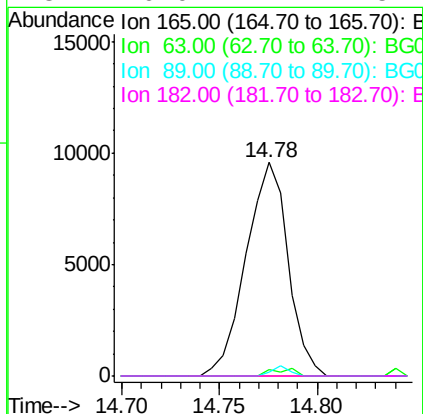
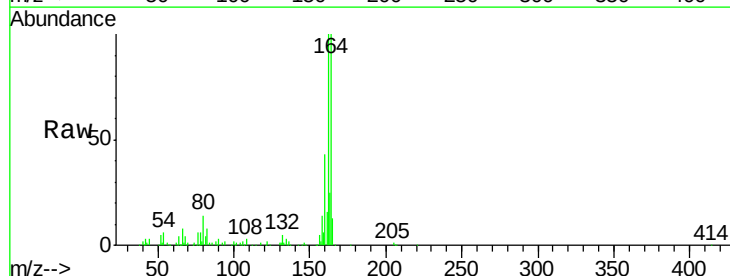
Instrument :
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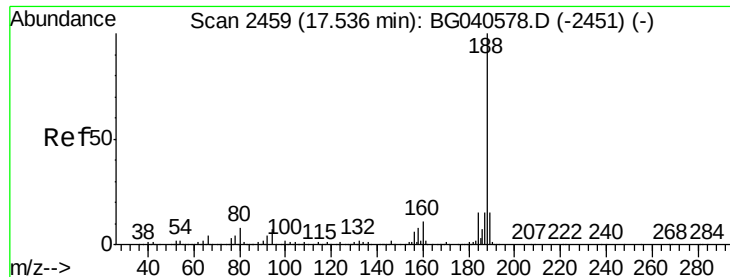
Tot Ion:184 Resp: 76
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 5.983 ng
RT: 14.78 min Scan# 1989
Delta R.T. -0.37 min
Lab File: BG040729.D
Acq: 3 May 2019 17:52

Tgt Ion:165 Resp: 14259
Ion Ratio Lower Upper
165 100
63 2.8 45.8 68.8#
89 1.9 69.4 104.2#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG040729.D

Acq: 3 May 2019 17:52

Instrument :

BNA_G

ClientSampleId :

AU-05-050219-A

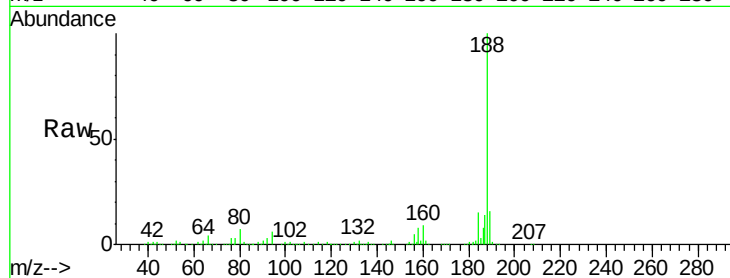
Tot Ion:188 Resp: 326177

Ion Ratio Lower Upper

188 100

94 5.8 5.6 8.4

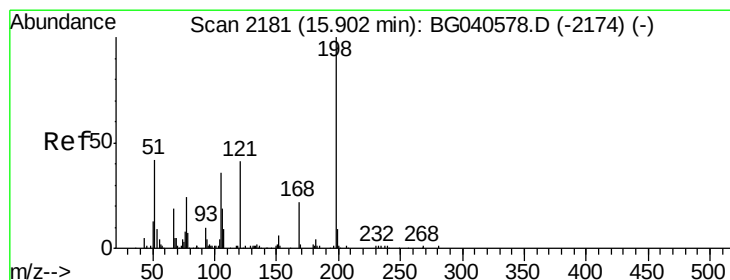
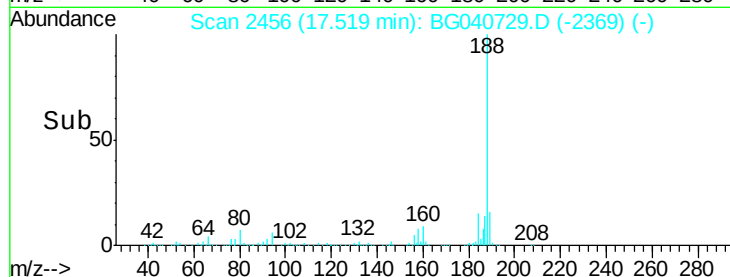
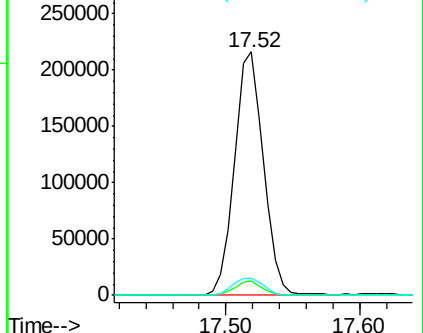
80 6.9 6.4 9.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.659 ng

RT: 16.26 min Scan# 2241

Delta R.T. 0.35 min

Lab File: BG040729.D

Acq: 3 May 2019 17:52

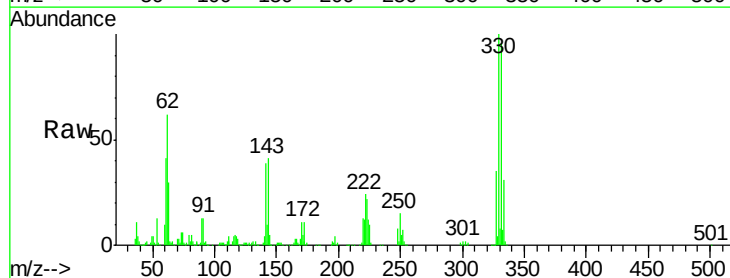
Tgt Ion:198 Resp: 1052

Ion Ratio Lower Upper

198 100

51 130.6 35.9 75.9#

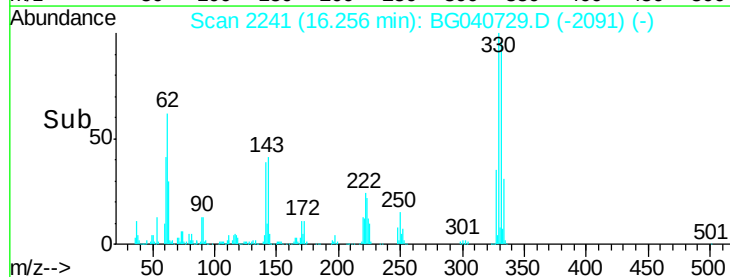
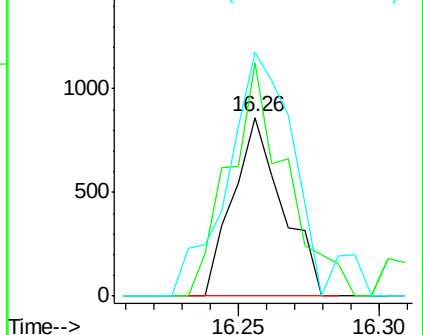
105 136.2 21.2 61.2#

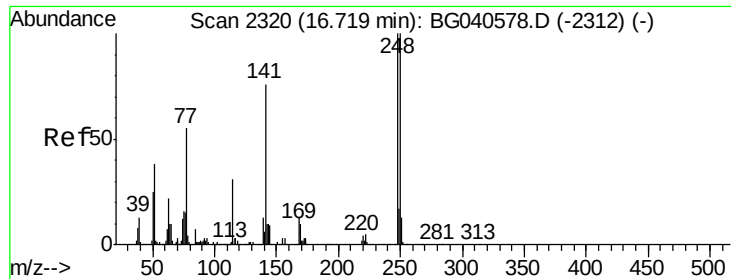


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

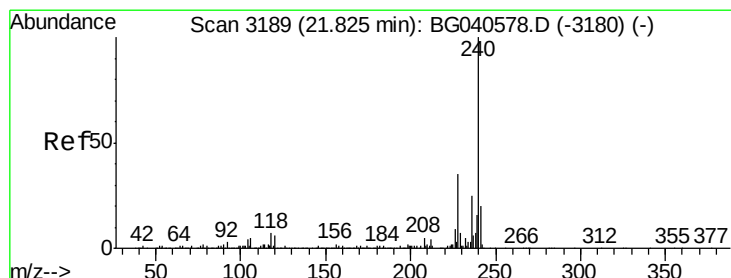
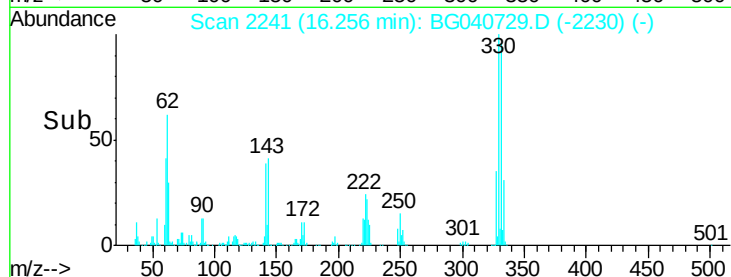
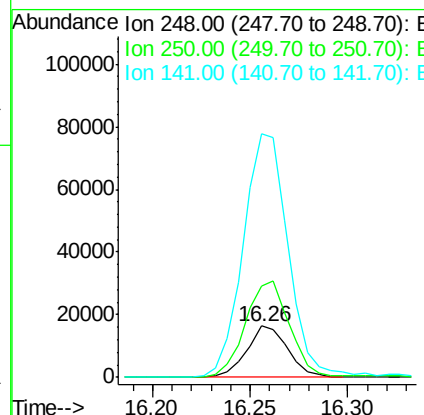
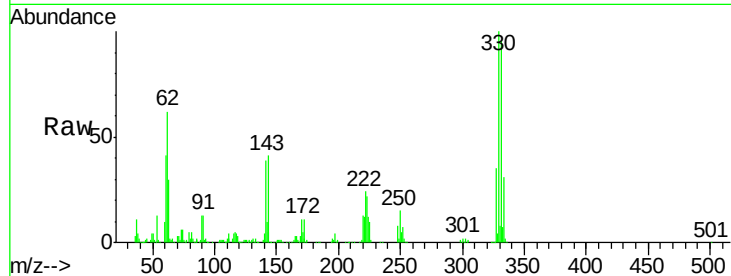




#67
 4-Bromophenyl-phenylether
 Concen: 5.883 ng
 RT: 16.26 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040729.D
 Acq: 3 May 2019 17:52

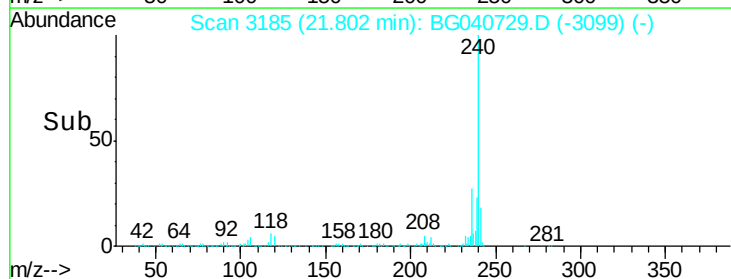
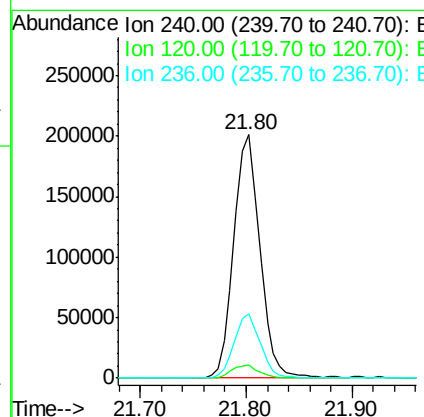
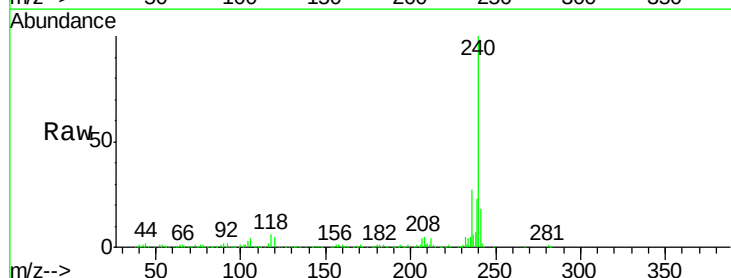
Instrument :
 BNA_G
 ClientSampleId :
 AU-05-050219-A

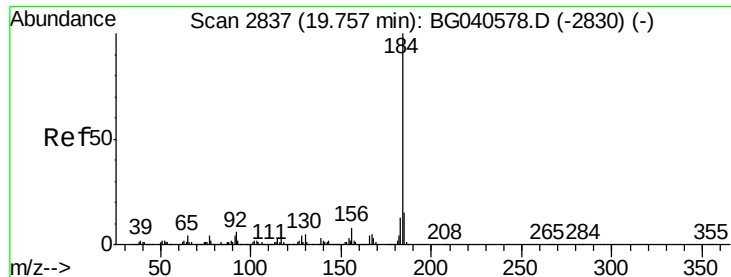
Tot Ion:248 Resp: 23905
 Ion Ratio Lower Upper
 248 100
 250 178.9 79.8 119.6#
 141 475.5 60.8 91.2#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3185
 Delta R.T. -0.02 min
 Lab File: BG040729.D
 Acq: 3 May 2019 17:52

Tgt Ion:240 Resp: 344179
 Ion Ratio Lower Upper
 240 100
 120 5.3 5.0 7.6
 236 26.5 20.3 30.5





#77

Benzidine

Concen: 4.226 ng

RT: 20.12 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG040729.D

Acq: 3 May 2019 17:52

Instrument :

BNA_G

ClientSampleId :

AU-05-050219-A

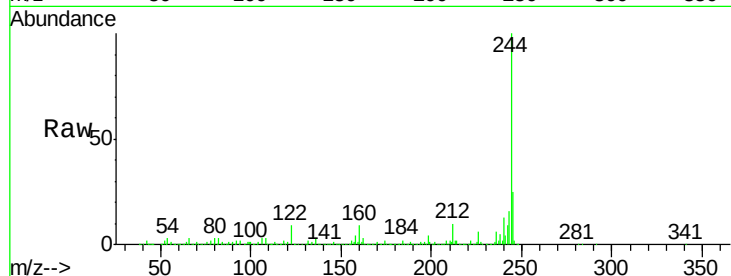
Tot Ion:184 Resp: 39823

Ion Ratio Lower Upper

184 100

185 14.0 11.8 17.8

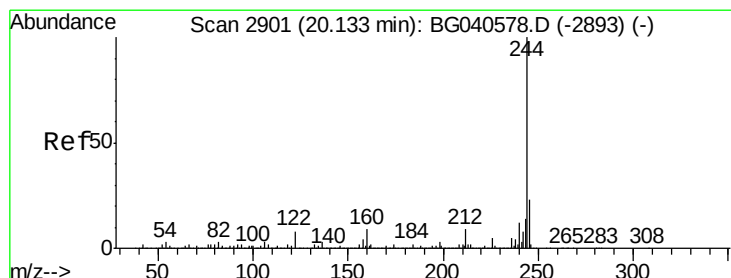
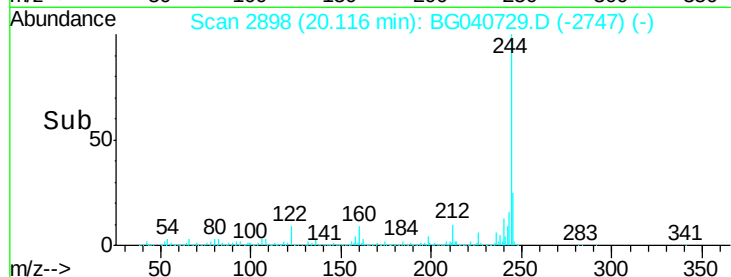
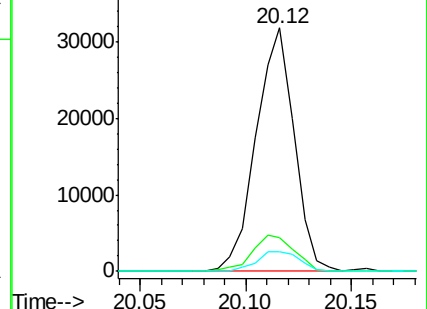
183 7.9 10.2 15.2#



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: 132.161 ng

RT: 20.12 min Scan# 2898

Delta R.T. -0.02 min

Lab File: BG040729.D

Acq: 3 May 2019 17:52

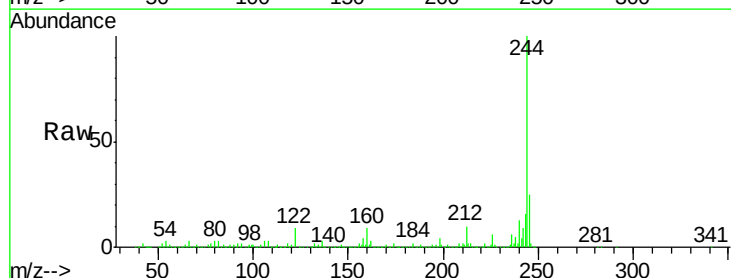
Tgt Ion:244 Resp: 2053198

Ion Ratio Lower Upper

244 100

212 10.1 7.2 10.8

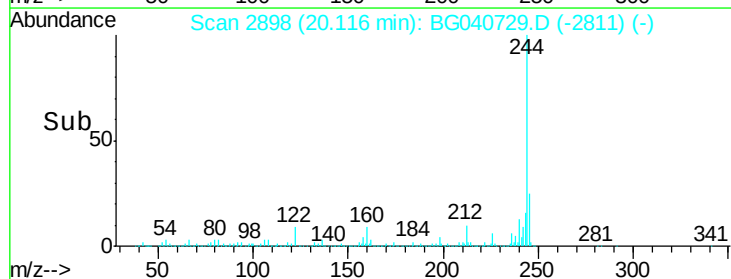
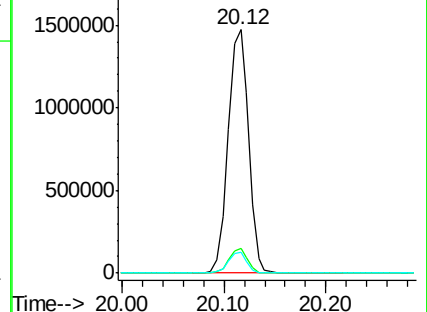
122 8.6 6.6 10.0

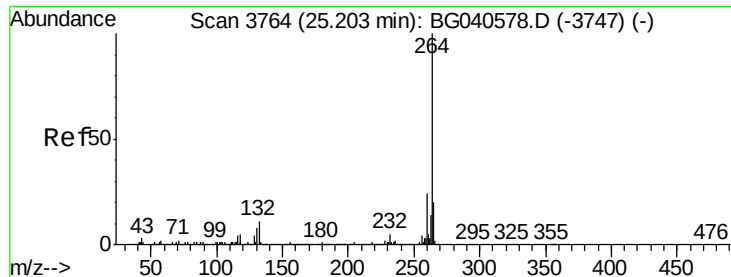


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.16 min Scan# 3756
Delta R.T. -0.05 min
Lab File: BG040729.D
Acq: 3 May 2019 17:52

Instrument :
BNA_G
ClientSampleId :
AU-05-050219-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.0	16.6	25.0

