

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051019\
 Data File : BG040863.D
 Acq On : 11 May 2019 2:23
 Operator : HP/JU
 Sample : K2754-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C-1

Quant Time: May 11 05:45:52 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

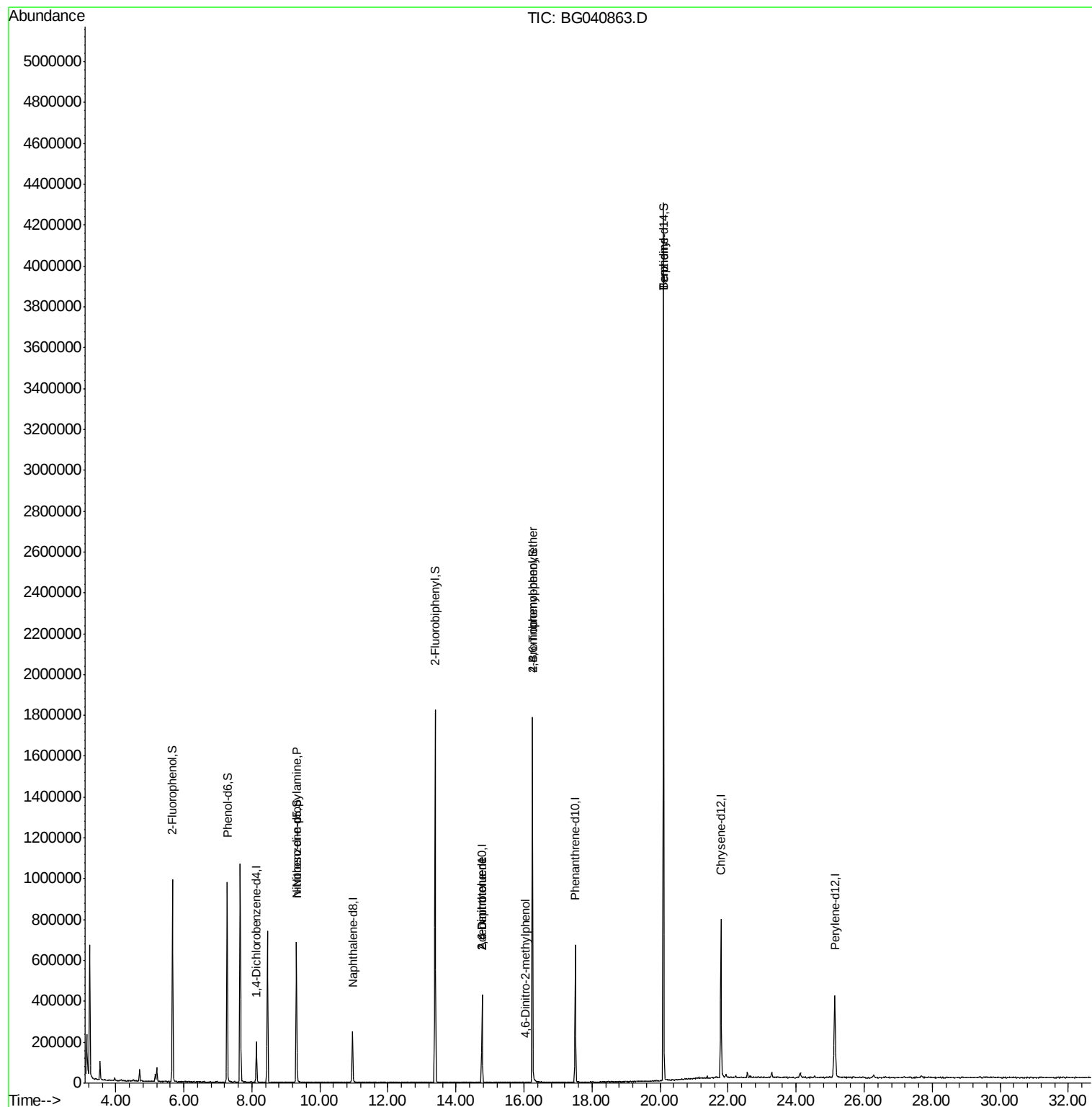
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	51759	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	199922	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	149909	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	423823	20.00	ng	-0.03
76) Chrysene-d12	21.79	240	473089	20.00	ng	-0.04
87) Perylene-d12	25.14	264	491224	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	372517	126.87	ng	-0.02
7) Phenol-d6	7.27	99	498219	110.20	ng	-0.02
23) Nitrobenzene-d5	9.31	82	406193	93.88	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	346166	168.00	ng	-0.02
45) 2-Fluorobiphenyl	13.38	172	927944	89.40	ng	-0.03
79) Terphenyl-d14	20.10	244	2006246	93.95	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.27	77	981	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.31	70	59060	14.512 ng	#	72
51) 2,6-Dinitrotoluene	14.76	165	19054	7.784 ng	#	15
57) 2,4-Dinitrotoluene	14.76	165	19054	5.728 ng	#	17
65) 4,6-Dinitro-2-methylphenol	16.03	198	79	7.133 ng	#	54
67) 4-Bromophenyl-phenylether	16.25	248	25902	4.905 ng	#	1
77) Benzydine	20.10	184	35876	2.770 ng	#	95

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

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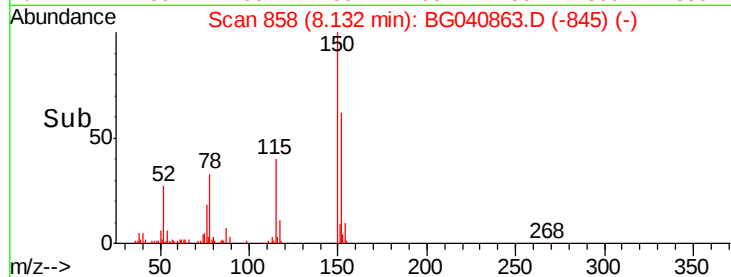
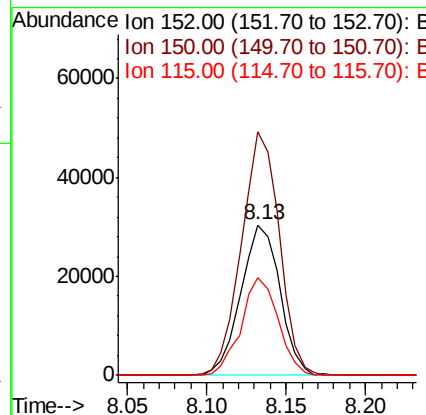
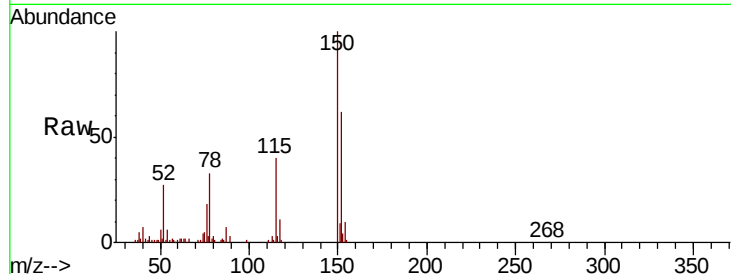


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.13 min Scan# 858
 Delta R.T. -0.03 min
 Lab File: BG040863.D
 Acq: 11 May 2019 2:23

Instrument :
 BNA_G
 ClientSampleId :
 C-1

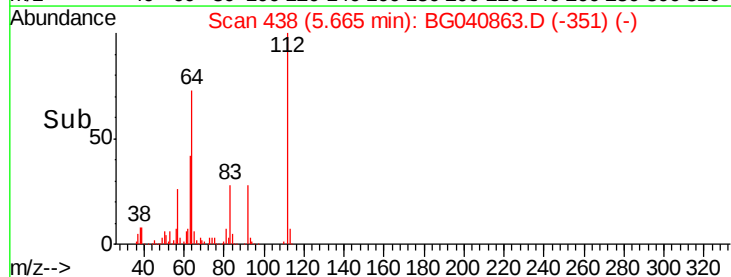
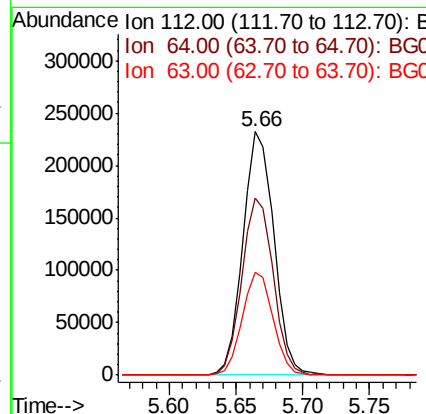
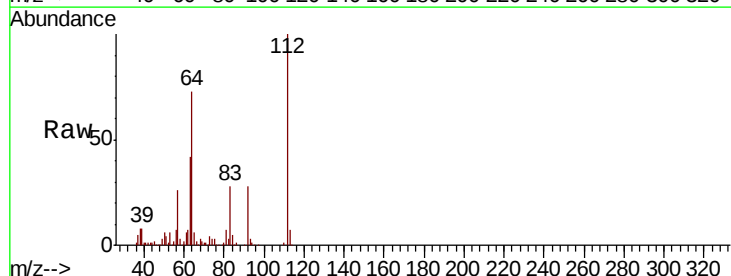
Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.5	120.2	180.2
115	64.9	46.2	69.2

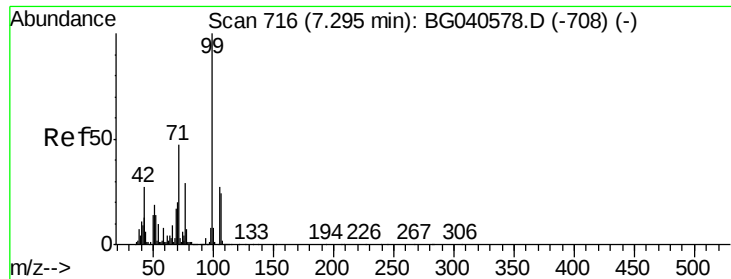


#5

2-Fluorophenol
 Concen: 126.869 ng
 RT: 5.66 min Scan# 438
 Delta R.T. -0.02 min
 Lab File: BG040863.D
 Acq: 11 May 2019 2:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.9	61.4	92.0
63	42.0	37.8	56.6





#7

Phenol-d6

Concen: 110.202 ng

RT: 7.27 min Scan# 712

Delta R.T. -0.02 min

Lab File: BG040863.D

Acq: 11 May 2019 2:23

Instrument :

BNA_G

ClientSampleId :

C-1

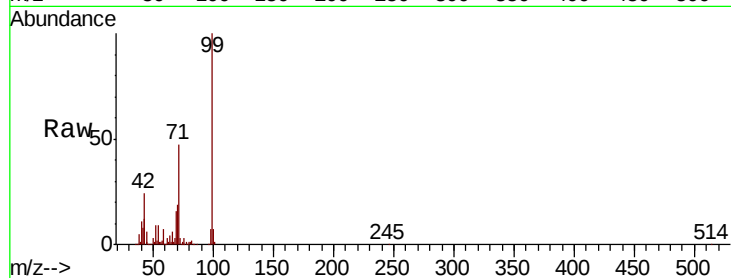
Tgt Ion: 99 Resp: 498219

Ion Ratio Lower Upper

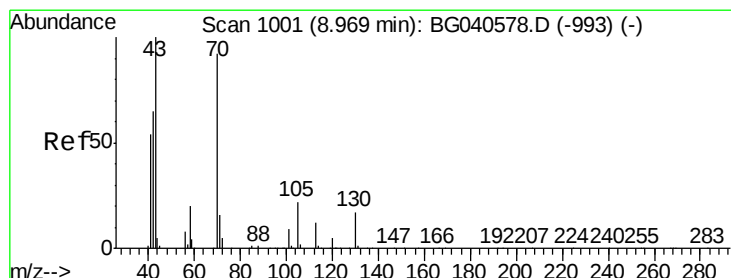
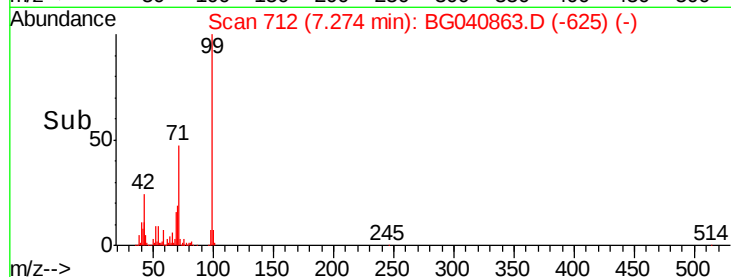
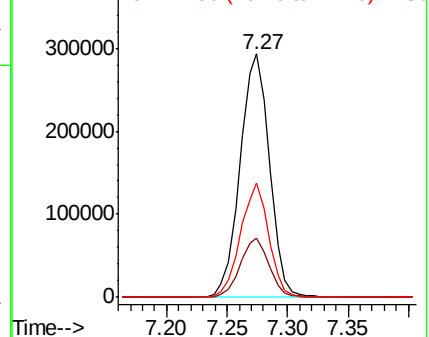
99 100

42 24.4 21.8 32.8

71 46.9 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: 14.512 ng

RT: 9.31 min Scan# 1059

Delta R.T. 0.34 min

Lab File: BG040863.D

Acq: 11 May 2019 2:23

Tgt Ion: 70 Resp: 59060

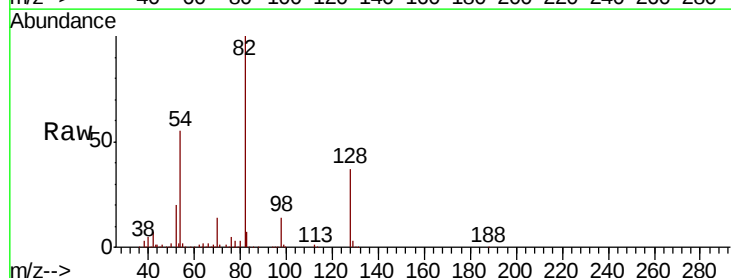
Ion Ratio Lower Upper

70 100

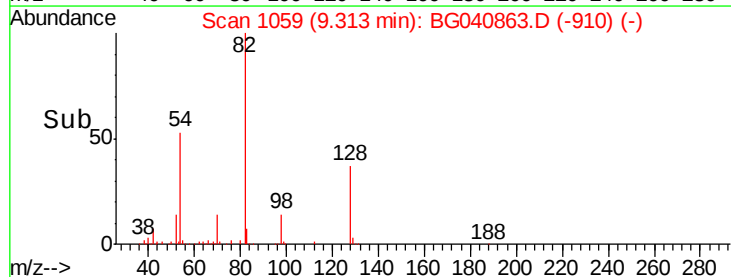
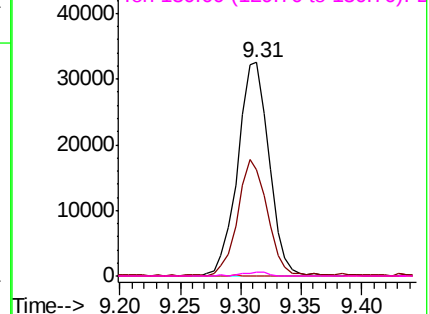
42 50.0 57.1 85.7#

101 0.0 7.8 11.8#

130 1.6 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

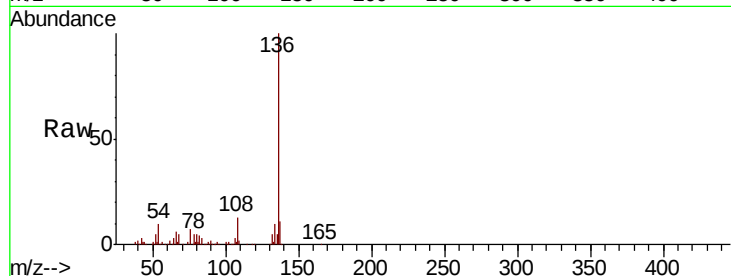




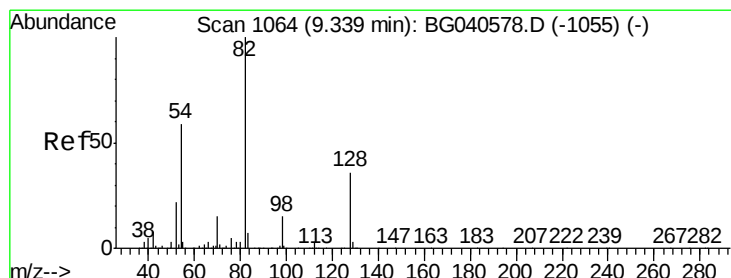
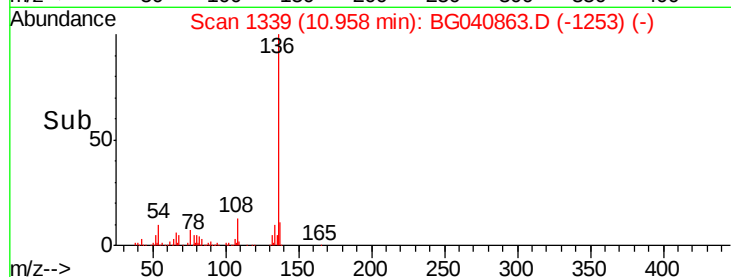
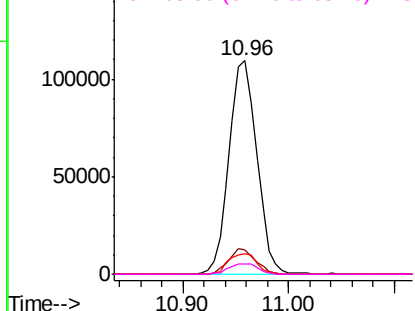
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1339
Delta R.T. -0.03 min
Lab File: BG040863.D
Acq: 11 May 2019 2:23

Instrument :
BNA_G
ClientSampleId :
C-1

Tgt Ion:	136	Resp:	199922
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.7	14.5
54	9.6	8.6	12.8
68	5.1	4.8	7.2

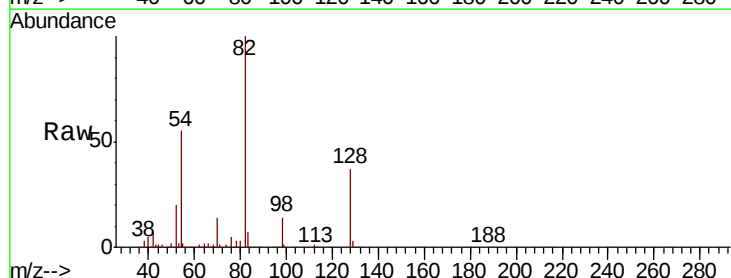


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

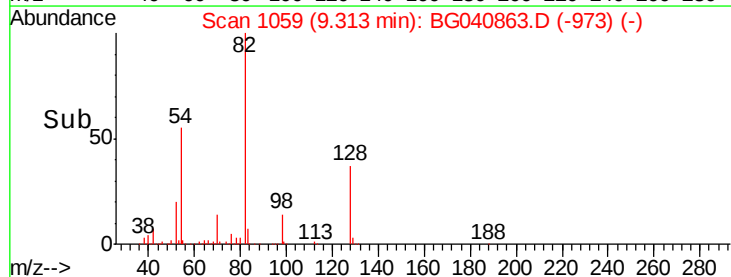
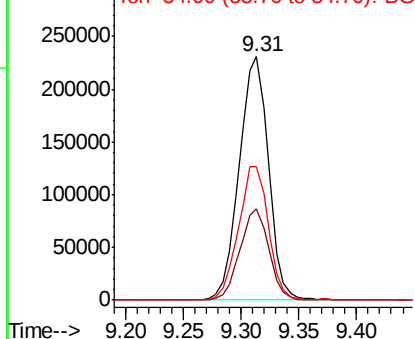


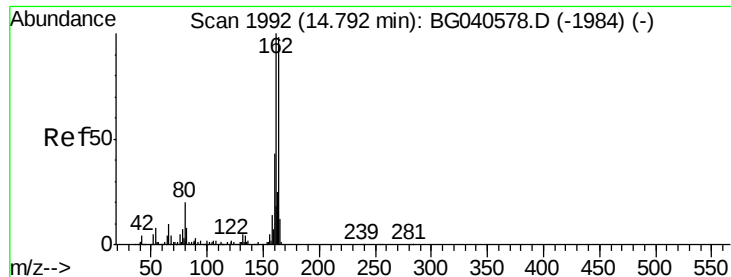
#23
Nitrobenzene-d5
Concen: 93.880 ng
RT: 9.31 min Scan# 1059
Delta R.T. -0.03 min
Lab File: BG040863.D
Acq: 11 May 2019 2:23

Tgt Ion:	82	Resp:	406193
Ion	Ratio	Lower	Upper
82	100		
128	37.4	28.9	43.3
54	54.7	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: 14.77 min Scan# 1987

Delta R.T. -0.03 min

Lab File: BG040863.D

Acq: 11 May 2019 2:23

Instrument :

BNA_G

ClientSampleId :

C-1

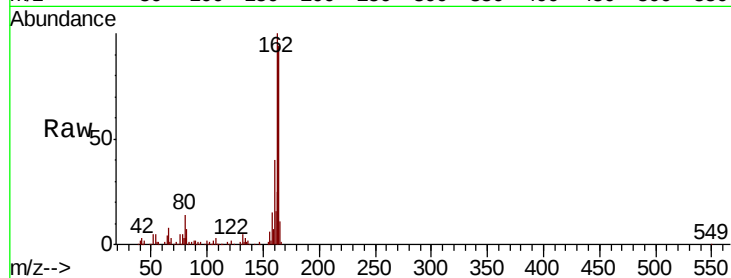
Tgt Ion:164 Resp: 149909

Ion Ratio Lower Upper

164 100

162 105.9 81.9 122.9

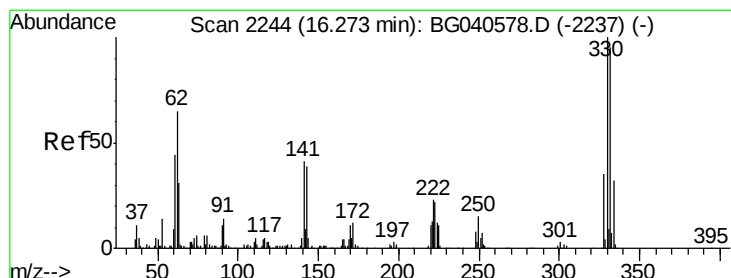
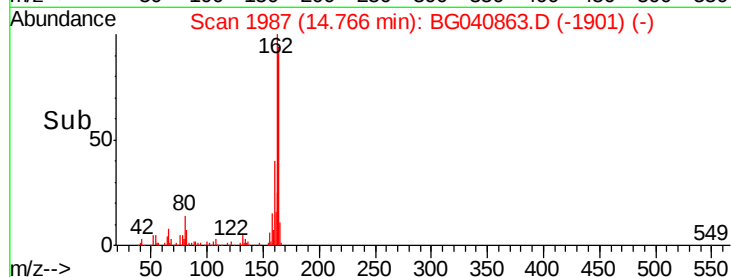
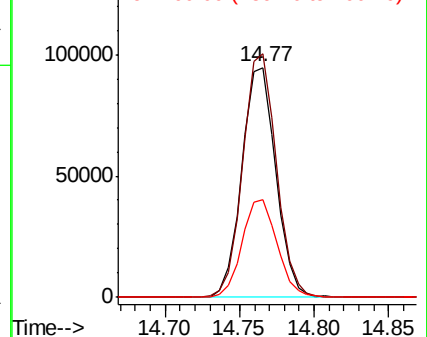
160 42.7 35.4 53.2



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: 167.998 ng

RT: 16.25 min Scan# 2240

Delta R.T. -0.02 min

Lab File: BG040863.D

Acq: 11 May 2019 2:23

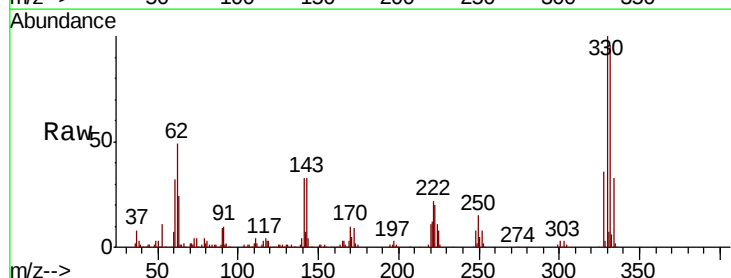
Tgt Ion:330 Resp: 346166

Ion Ratio Lower Upper

330 100

332 96.0 75.9 113.9

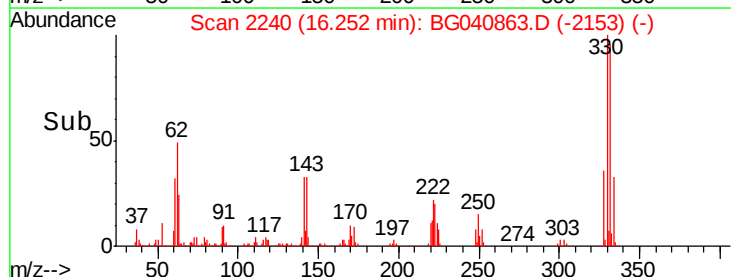
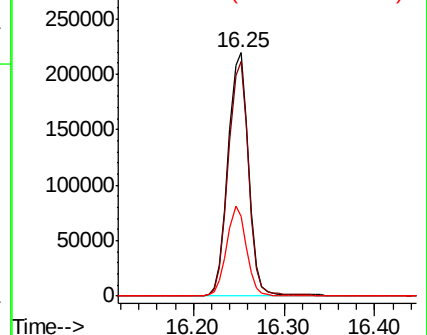
141 35.7 32.4 48.6



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

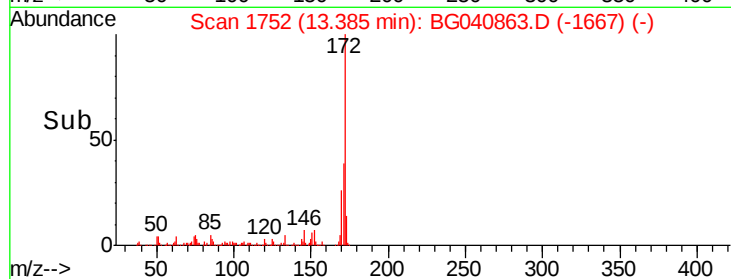
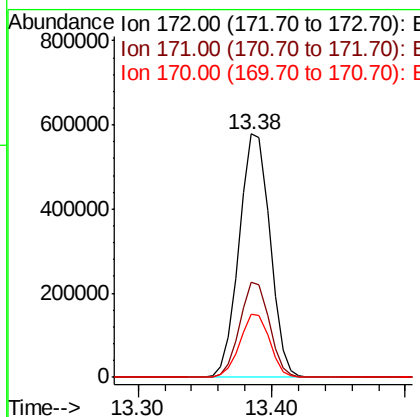
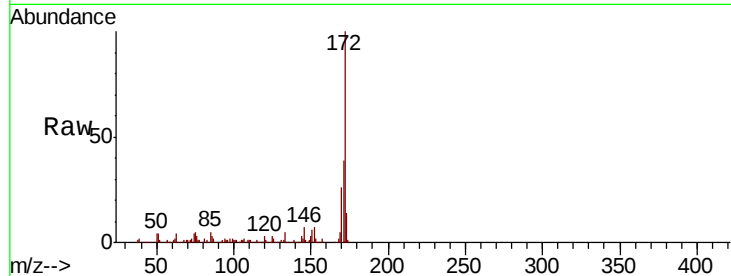




#45
 2-Fluorobiphenyl
 Concen: 89.397 ng
 RT: 13.38 min Scan# 1752
 Delta R.T. -0.03 min
 Lab File: BG040863.D
 Acq: 11 May 2019 2:23

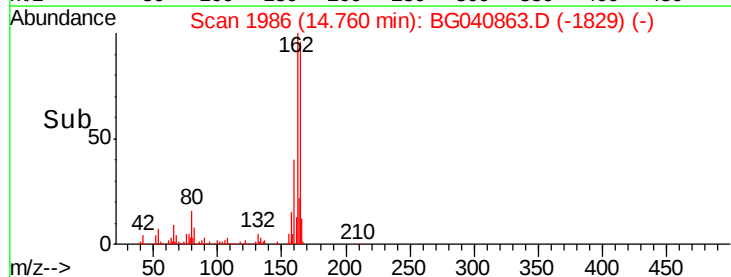
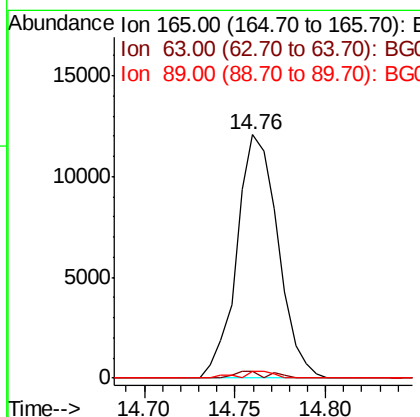
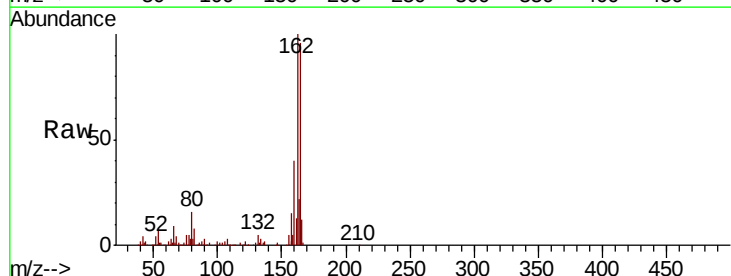
Instrument :
 BNA_G
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 C-1

Tgt Ion:	172	Resp:	927944
Ion	Ratio	Lower	Upper
172	100		
171	39.1	29.4	44.2
170	25.8	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 7.784 ng
 RT: 14.76 min Scan# 1986
 Delta R.T. 0.39 min
 Lab File: BG040863.D
 Acq: 11 May 2019 2:23

Tgt Ion:	165	Resp:	19054
Ion	Ratio	Lower	Upper
165	100		
63	2.9	61.0	91.4#
89	2.6	58.6	87.8#





#57

2,4-Dinitrotoluene

Concen: 5.728 ng

RT: 14.76 min Scan# 1986

Delta R.T. -0.38 min

Lab File: BG040863.D

Acq: 11 May 2019 2:23

Instrument :

BNA_G

ClientSampleId :

C-1

Tgt Ion:165 Resp: 19054

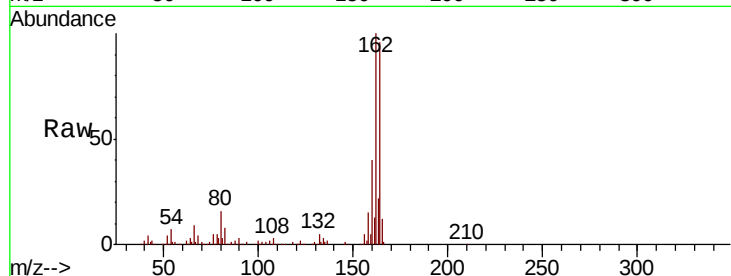
Ion Ratio Lower Upper

165 100

63 2.9 45.8 68.8#

89 2.6 69.4 104.2#

182 0.0 2.2 3.4#

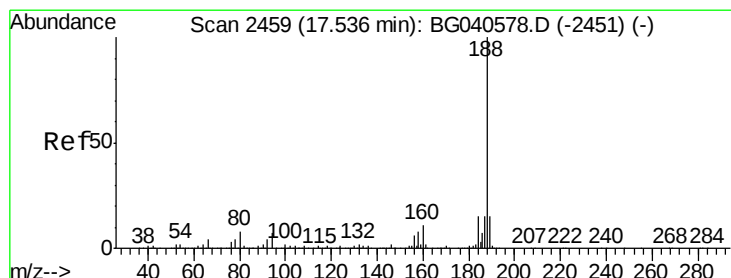
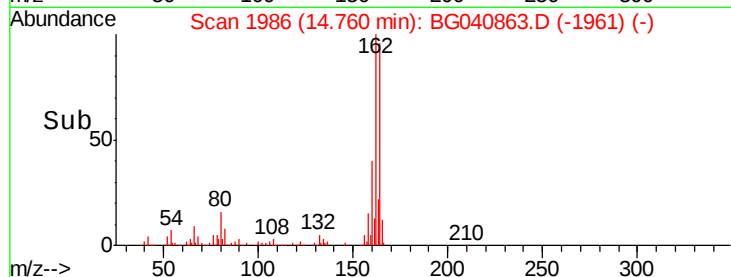
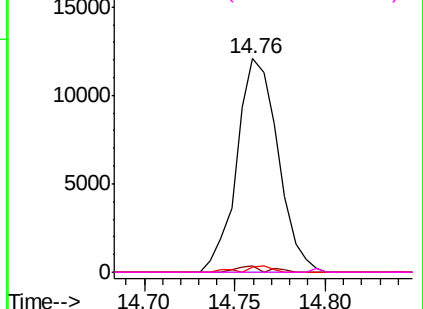


Abundance Ion 165.00 (164.70 to 165.70): E

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# 2454

Delta R.T. -0.03 min

Lab File: BG040863.D

Acq: 11 May 2019 2:23

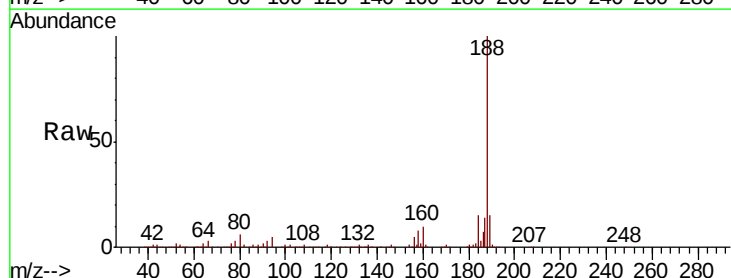
Tgt Ion:188 Resp: 423823

Ion Ratio Lower Upper

188 100

94 5.1 5.6 8.4#

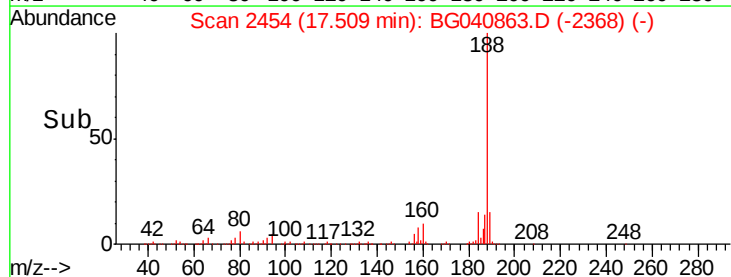
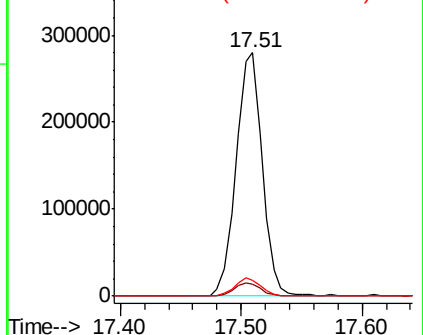
80 6.3 6.4 9.6#

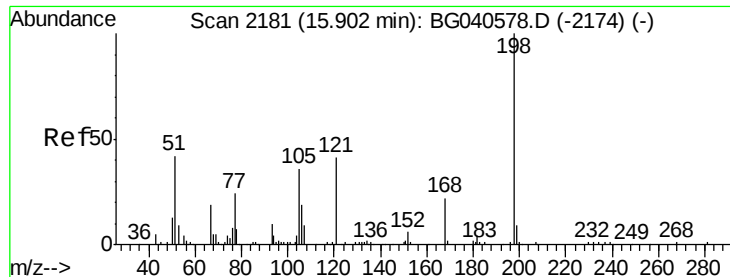


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.133 ng

RT: 16.03 min Scan# 2203

Delta R.T. 0.13 min

Lab File: BG040863.D

Acq: 11 May 2019 2:23

Instrument :

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ClientSampleId :

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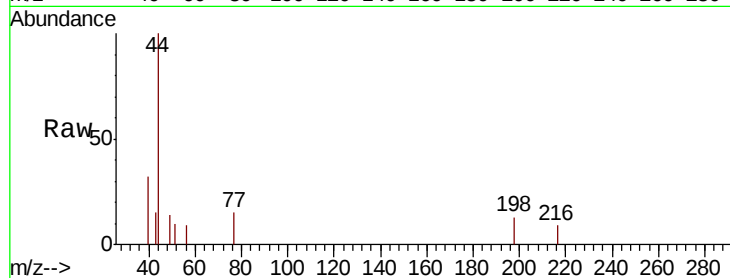
Tgt Ion:198 Resp: 79

Ion Ratio Lower Upper

198 100

51 78.7 35.9 75.9#

105 0.0 21.2 61.2#



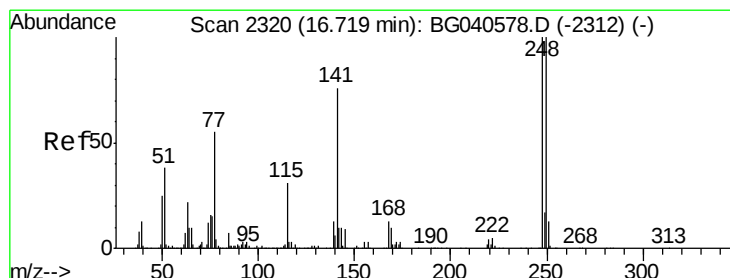
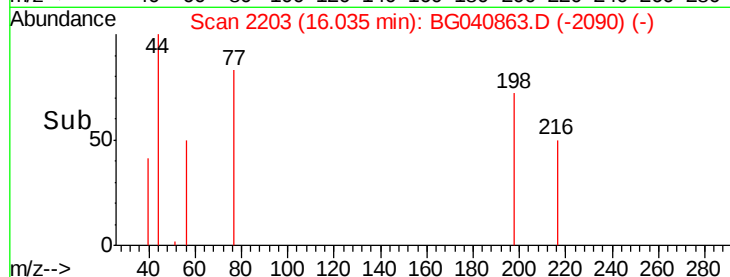
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E

16.03

Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.905 ng

RT: 16.25 min Scan# 2240

Delta R.T. -0.47 min

Lab File: BG040863.D

Acq: 11 May 2019 2:23

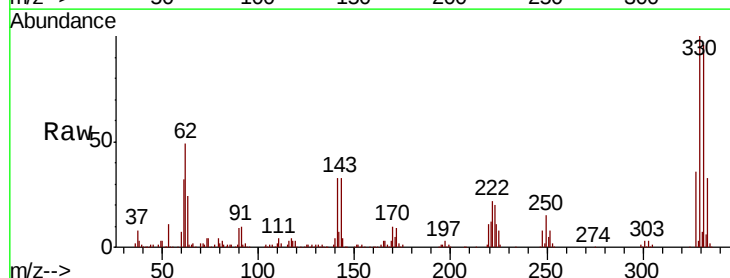
Tgt Ion:248 Resp: 25902

Ion Ratio Lower Upper

248 100

250 243.3 79.8 119.6#

141 414.6 60.8 91.2#



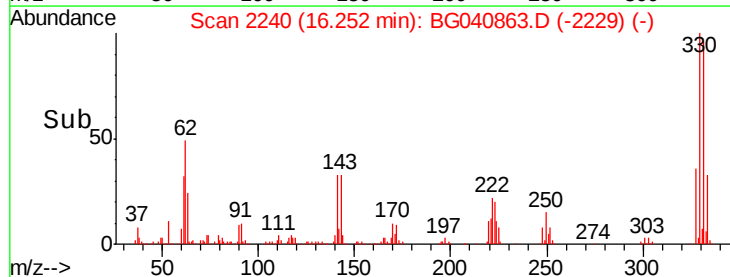
Abundance Ion 248.00 (247.70 to 248.70): E

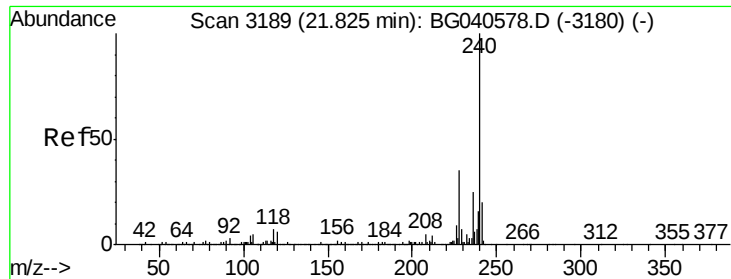
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

16.25

Time-->

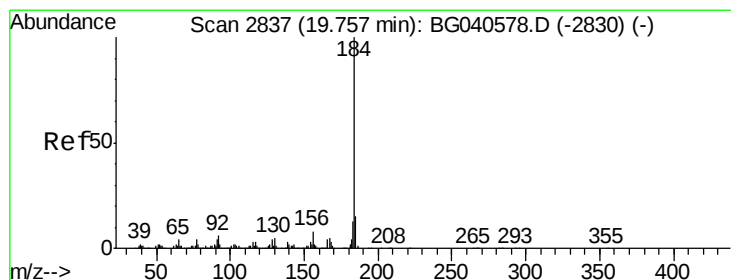
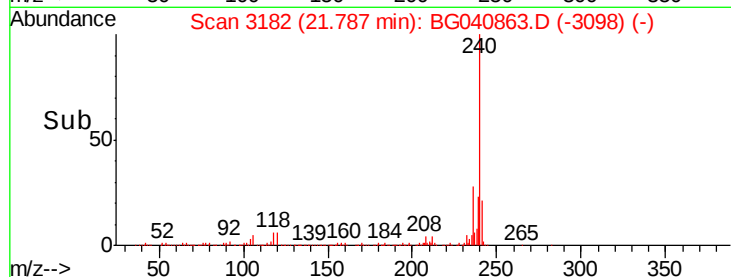
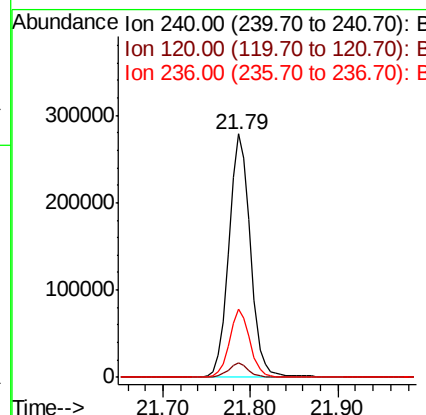
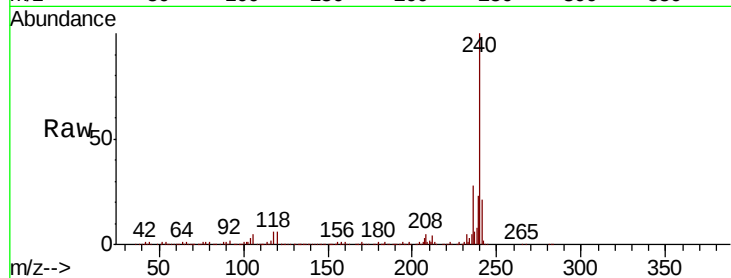




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.79 min Scan# 3182
Delta R.T. -0.04 min
Lab File: BG040863.D
Acq: 11 May 2019 2:23

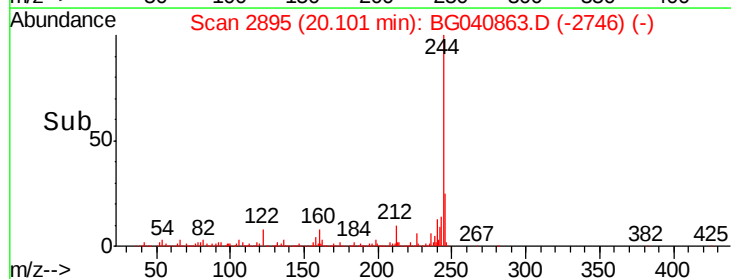
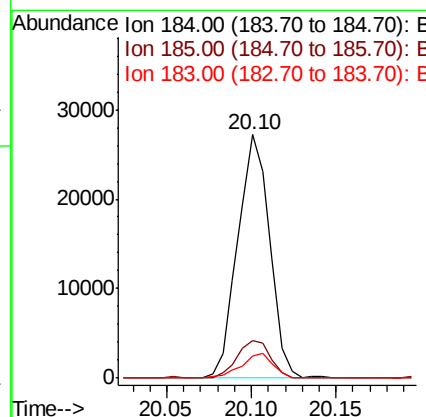
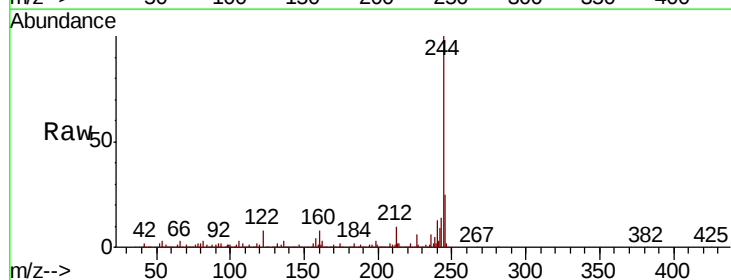
Instrument :
BNA_G
ClientSampleId :
C-1

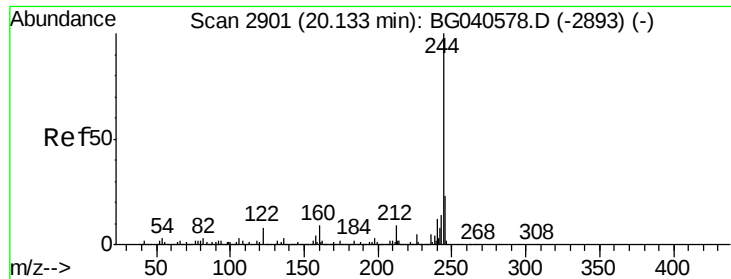
Tgt Ion: 240 Resp: 473089
Ion Ratio Lower Upper
240 100
120 5.8 5.0 7.6
236 27.8 20.3 30.5



#77
Benzidine
Concen: 2.770 ng
RT: 20.10 min Scan# 2895
Delta R.T. 0.34 min
Lab File: BG040863.D
Acq: 11 May 2019 2:23

Tgt Ion: 184 Resp: 35876
Ion Ratio Lower Upper
184 100
185 15.6 11.8 17.8
183 9.1 10.2 15.2#





#79

Terphenyl-d14

Concen: 93.950 ng

RT: 20.10 min Scan# 2895

Delta R.T. -0.03 min

Lab File: BG040863.D

Acq: 11 May 2019 2:23

Instrument :

BNA_G

ClientSampleId :

C-1

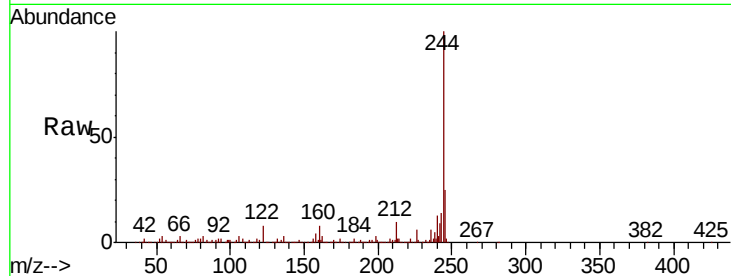
Tgt Ion:244 Resp: 2006246

Ion Ratio Lower Upper

244 100

212 9.5 7.2 10.8

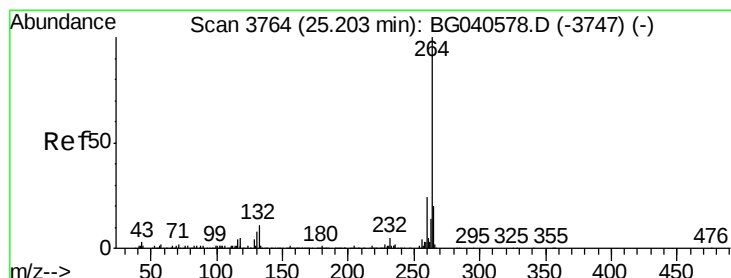
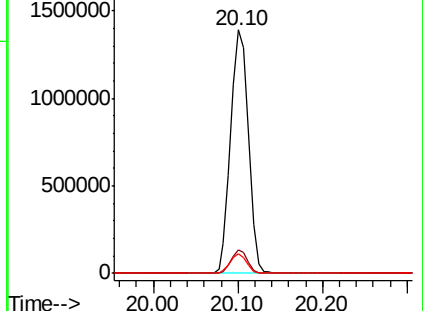
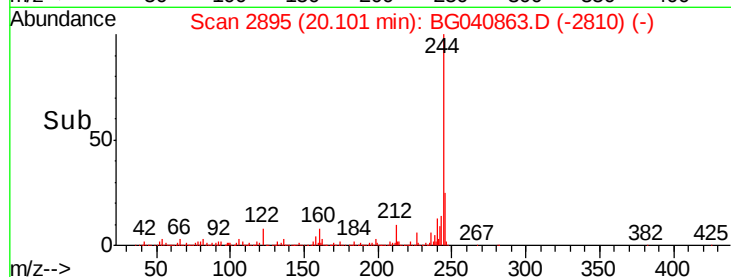
122 8.0 6.6 10.0



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

Perylene-d12

Concen: 20.000 ng

RT: 25.14 min Scan# 3753

Delta R.T. -0.06 min

Lab File: BG040863.D

Acq: 11 May 2019 2:23

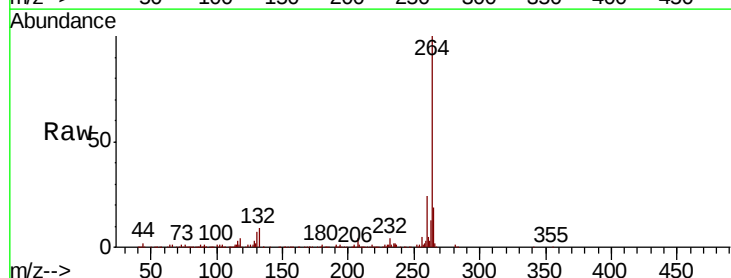
Tgt Ion:264 Resp: 491224

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

265 19.4 16.6 25.0



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

