

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051019\
 Data File : BG040861.D
 Acq On : 11 May 2019 1:07
 Operator : HP/JU
 Sample : K2754-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C-2

Quant Time: May 11 05:45:29 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

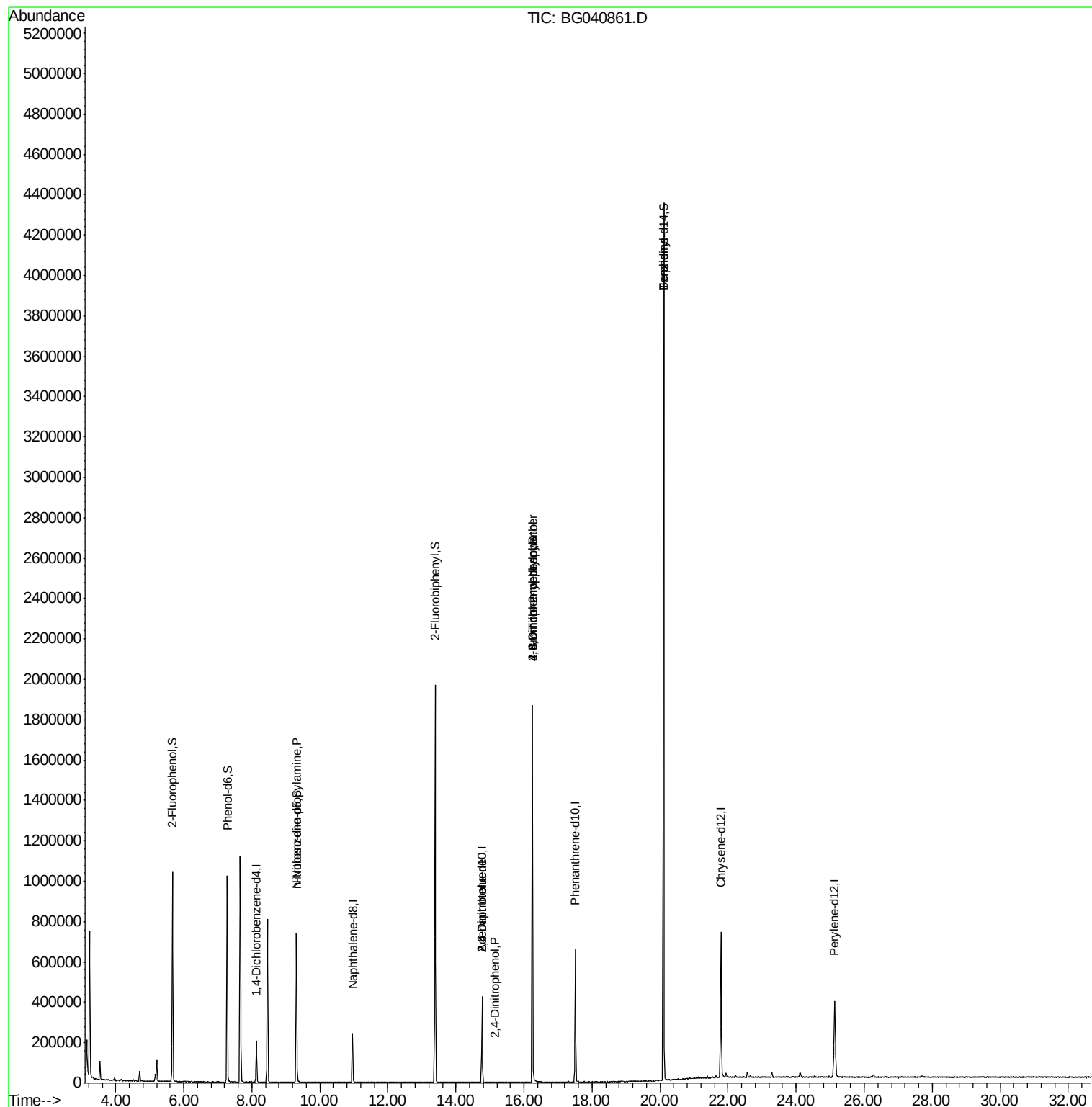
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	51114	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	201265	20.00	ng	-0.03
39) Acenaphthene-d10	14.76	164	144511	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	404017	20.00	ng	-0.03
76) Chrysene-d12	21.79	240	460026	20.00	ng	-0.04
87) Perylene-d12	25.13	264	459257	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	388351	133.93	ng	-0.02
7) Phenol-d6	7.27	99	519043	116.26	ng	-0.02
23) Nitrobenzene-d5	9.31	82	442098	101.50	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	354075	178.26	ng	-0.03
45) 2-Fluorobiphenyl	13.39	172	978833	97.82	ng	-0.03
79) Terphenyl-d14	20.11	244	2047242	98.59	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.27	77	1297	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.31	70	62836	15.635	ng	# 73
51) 2,6-Dinitrotoluene	14.76	165	18076	7.660	ng	# 15
54) 2,4-Dinitrophenol	15.15	184	59	7.055	ng	# 21
57) 2,4-Dinitrotoluene	14.76	165	18076	5.637	ng	# 17
65) 4,6-Dinitro-2-methylphenol	16.24	198	1185	7.608	ng	# 1
67) 4-Bromophenyl-phenylether	16.25	248	25366	5.039	ng	# 1
77) Benzydine	20.10	184	37678	2.991	ng	# 93

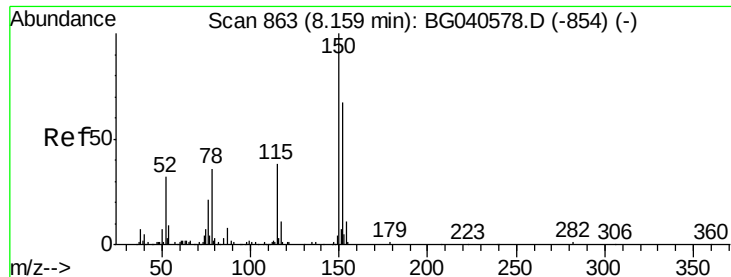
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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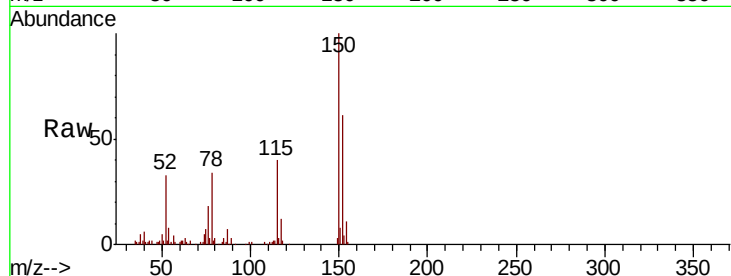


#1

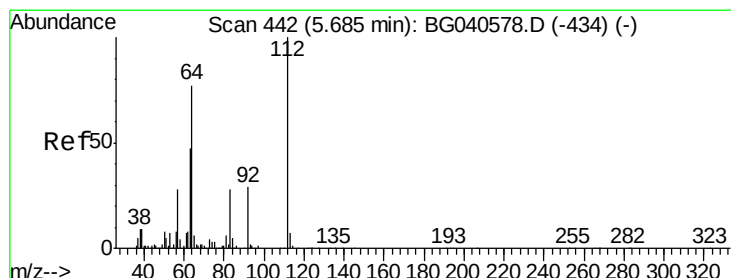
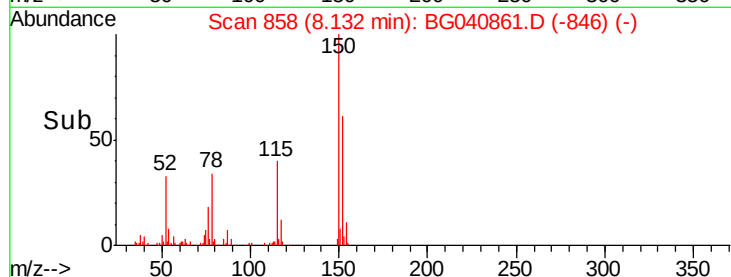
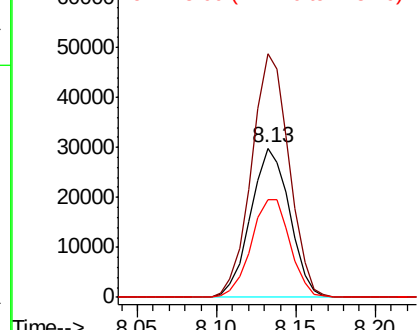
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 858
Delta R.T. -0.03 min
Lab File: BG040861.D
Acq: 11 May 2019 1:07

Instrument :
BNA_G
ClientSampleId :
C-2

Tgt Ion:152 Resp: 51114
Ion Ratio Lower Upper
152 100
150 163.0 120.2 180.2
115 65.2 46.2 69.2



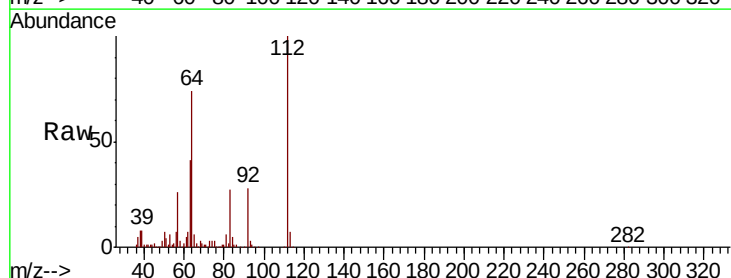
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



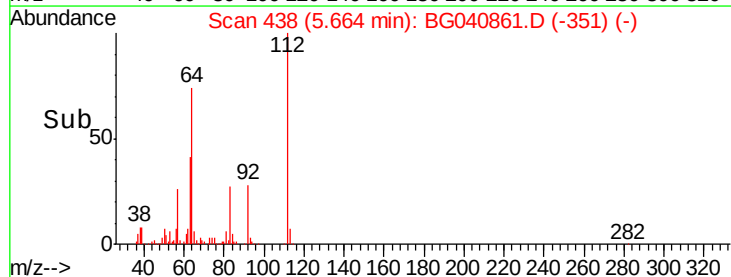
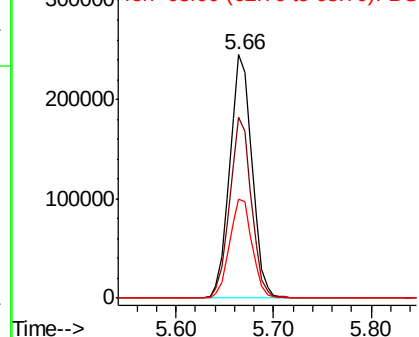
#5

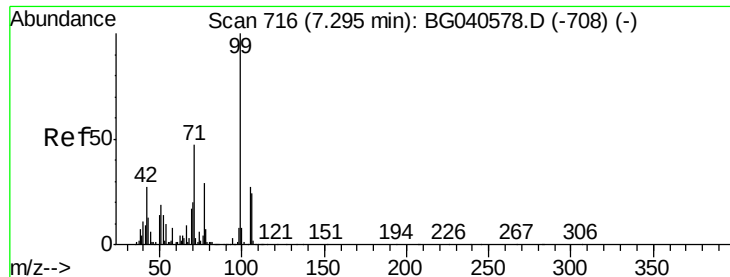
2-Fluorophenol
Concen: 133.930 ng
RT: 5.66 min Scan# 438
Delta R.T. -0.02 min
Lab File: BG040861.D
Acq: 11 May 2019 1:07

Tgt Ion:112 Resp: 388351
Ion Ratio Lower Upper
112 100
64 74.3 61.4 92.0
63 40.8 37.8 56.6



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: 116.256 ng

RT: 7.27 min Scan# 712

Delta R.T. -0.02 min

Lab File: BG040861.D

Acq: 11 May 2019 1:07

Instrument :

BNA_G

ClientSampleId :

C-2

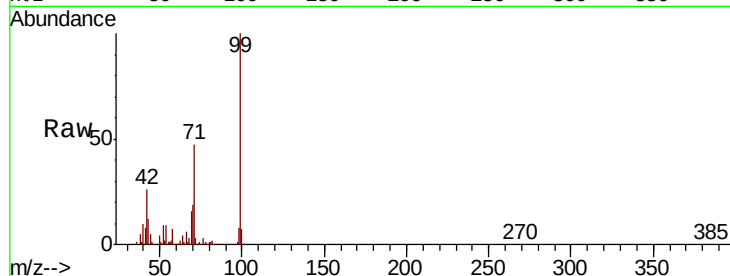
Tgt Ion: 99 Resp: 519043

Ion Ratio Lower Upper

99 100

42 25.5 21.8 32.8

71 46.6 38.6 57.8

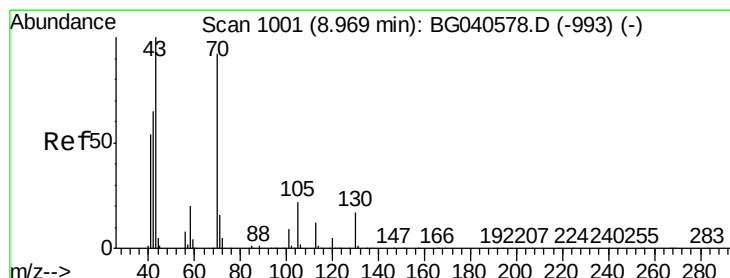
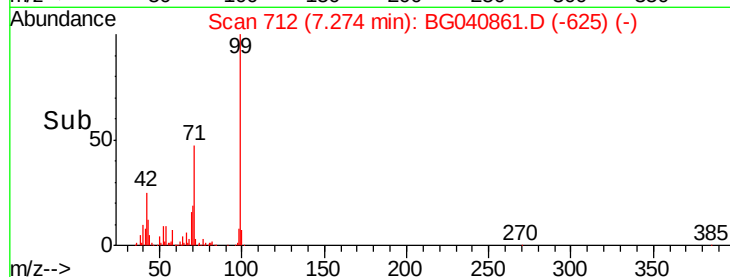
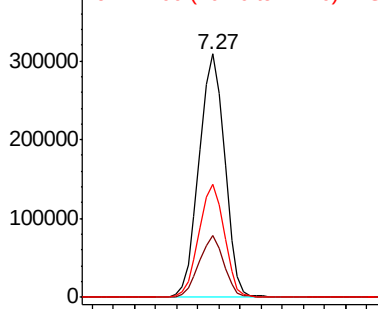


Abundance

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: 15.635 ng

RT: 9.31 min Scan# 1059

Delta R.T. 0.34 min

Lab File: BG040861.D

Acq: 11 May 2019 1:07

Tgt Ion: 70 Resp: 62836

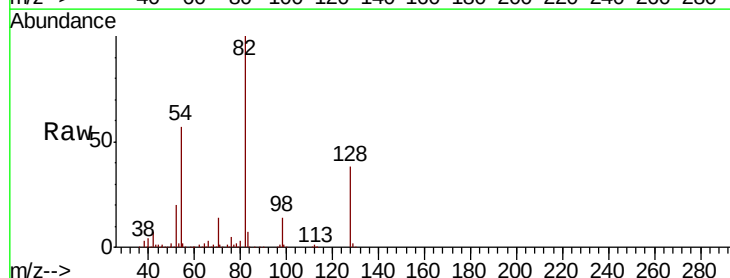
Ion Ratio Lower Upper

70 100

42 51.2 57.1 85.7#

101 0.0 7.8 11.8#

130 1.1 14.6 21.8#



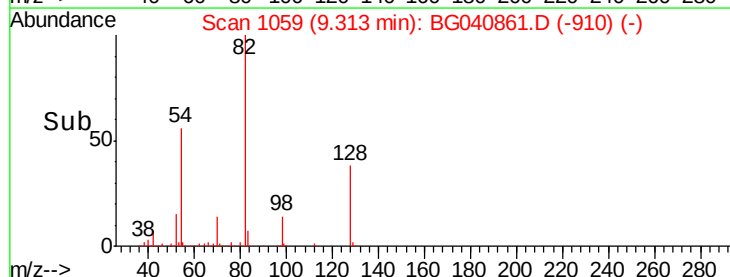
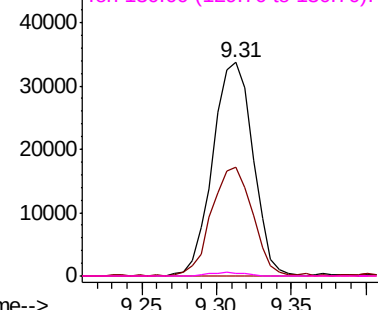
Abundance

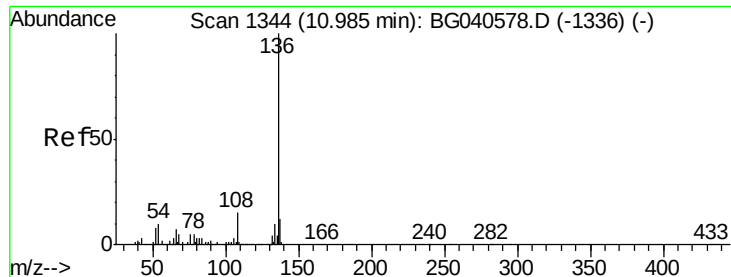
Ion 70.00 (69.70 to 70.70): BGC

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

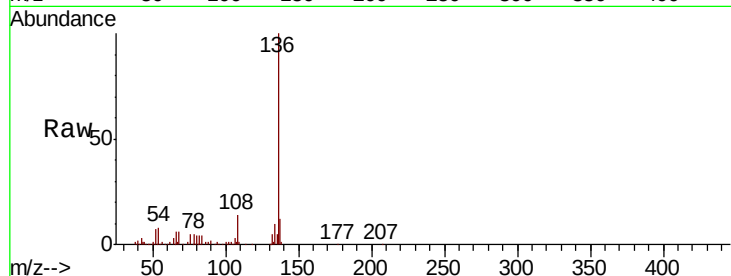




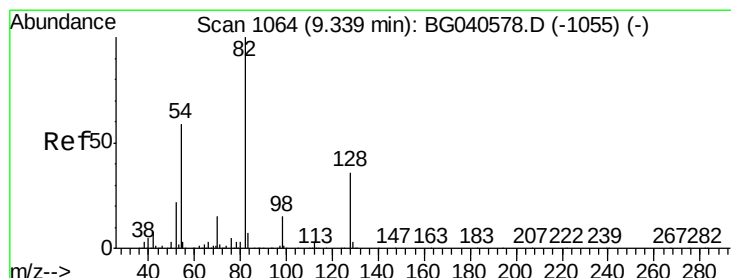
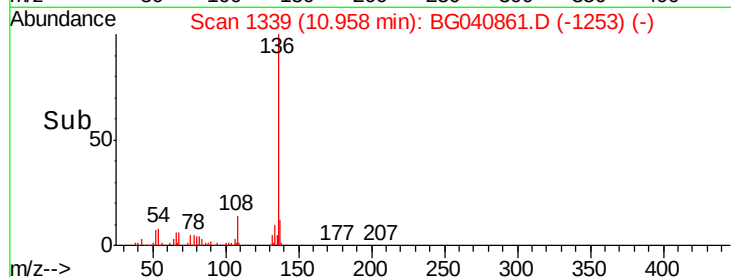
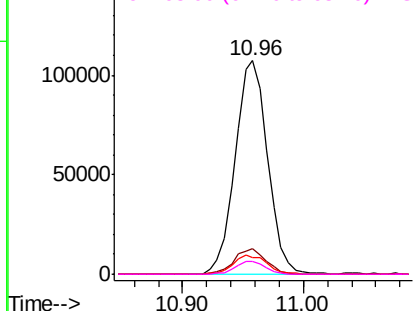
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1339
Delta R.T. -0.03 min
Lab File: BG040861.D
Acq: 11 May 2019 1:07

Instrument :
BNA_G
ClientSampleId :
C-2

Tgt Ion:	136	Resp:	201265
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.7	14.5
54	8.0	8.6	12.8#
68	6.0	4.8	7.2

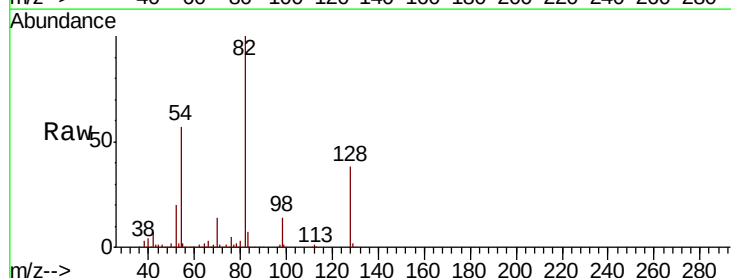


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

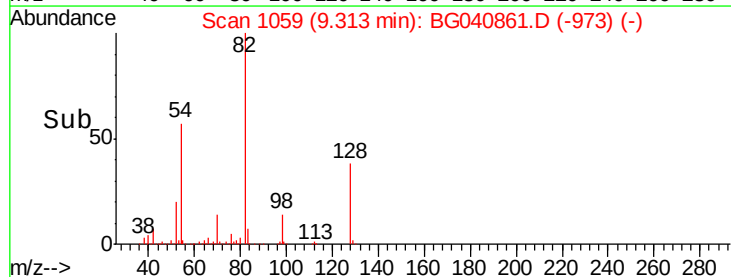
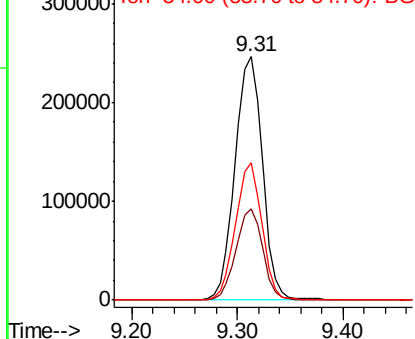


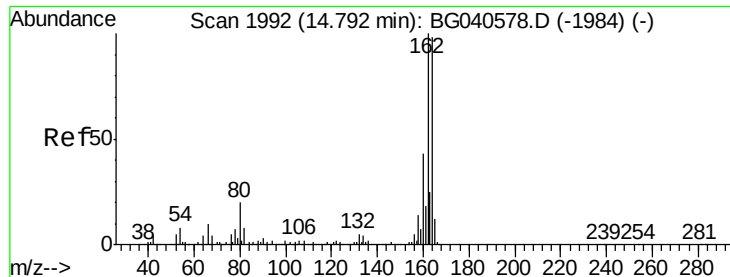
#23
Nitrobenzene-d5
Concen: 101.497 ng
RT: 9.31 min Scan# 1059
Delta R.T. -0.03 min
Lab File: BG040861.D
Acq: 11 May 2019 1:07

Tgt Ion:	82	Resp:	442098
Ion	Ratio	Lower	Upper
82	100		
128	37.7	28.9	43.3
54	56.7	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: 14.76 min Scan# 1986

Delta R.T. -0.03 min

Lab File: BG040861.D

Acq: 11 May 2019 1:07

Instrument :

BNA_G

ClientSampled :

C-2

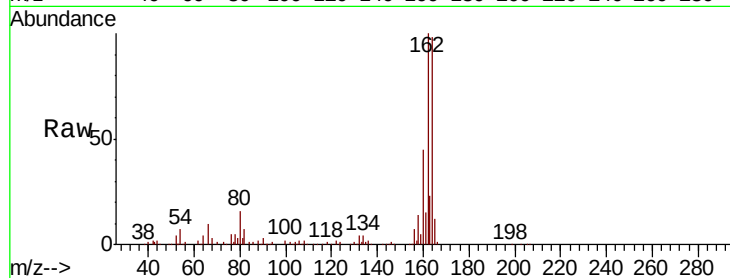
Tgt Ion:164 Resp: 144511

Ion Ratio Lower Upper

164 100

162 102.1 81.9 122.9

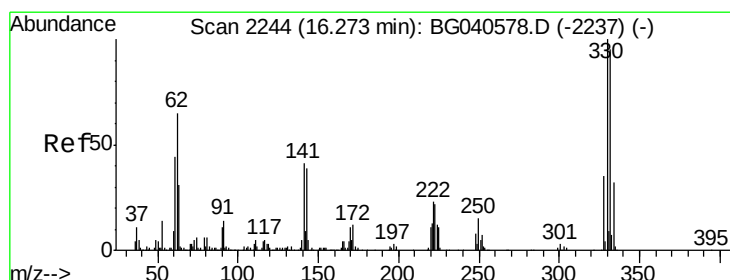
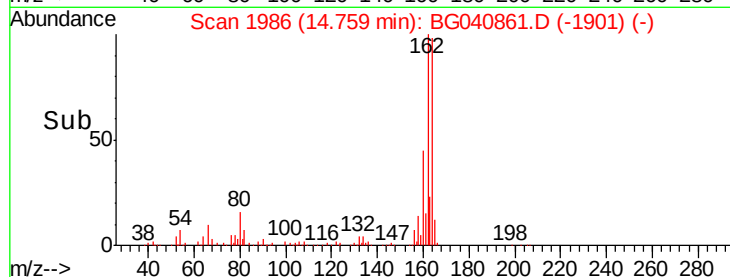
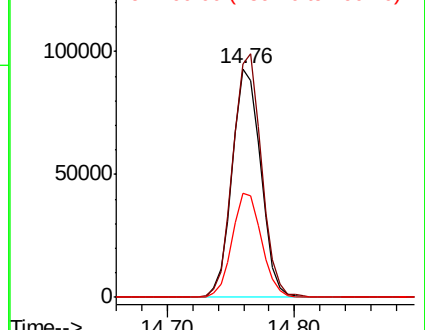
160 45.5 35.4 53.2



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: 178.255 ng

RT: 16.25 min Scan# 2239

Delta R.T. -0.03 min

Lab File: BG040861.D

Acq: 11 May 2019 1:07

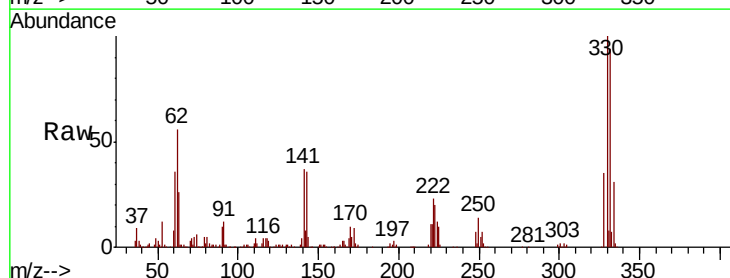
Tgt Ion:330 Resp: 354075

Ion Ratio Lower Upper

330 100

332 96.0 75.9 113.9

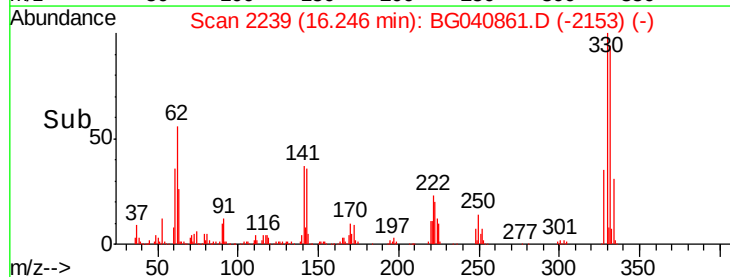
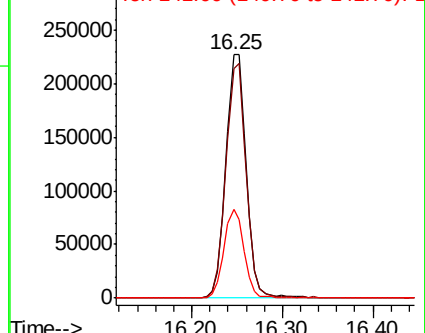
141 35.8 32.4 48.6

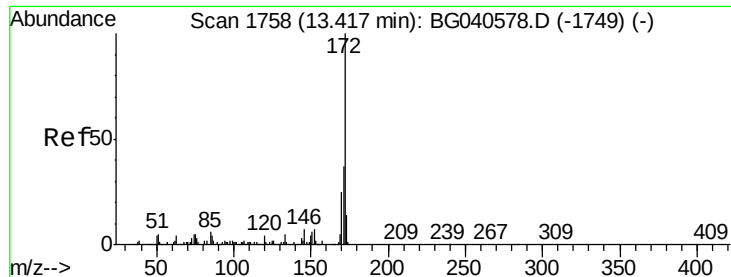


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

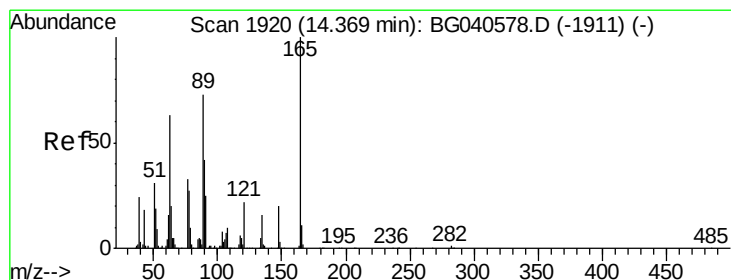
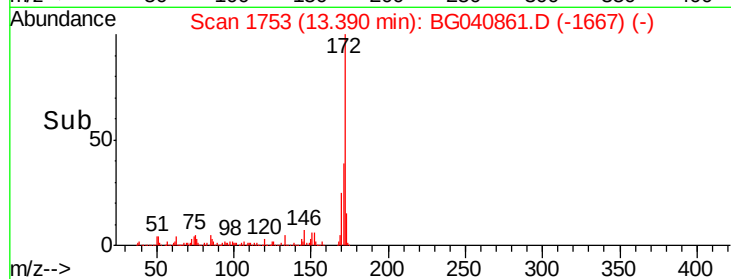
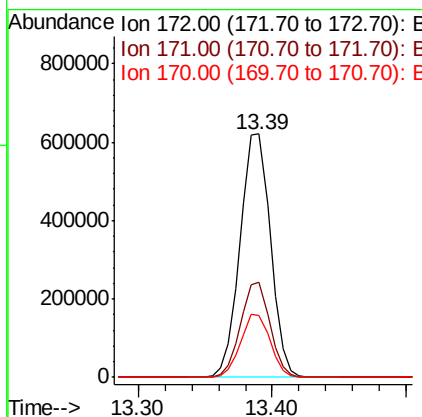
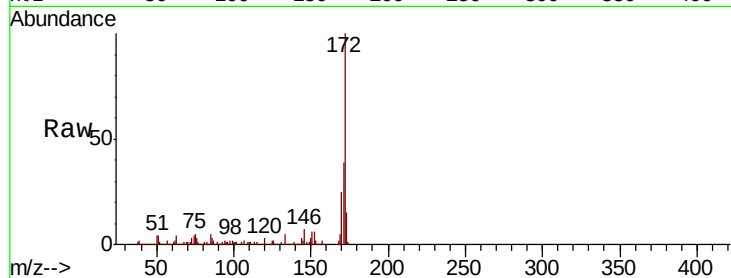




#45
 2-Fluorobiphenyl
 Concen: 97.822 ng
 RT: 13.39 min Scan# 1753
 Delta R.T. -0.03 min
 Lab File: BG040861.D
 Acq: 11 May 2019 1:07

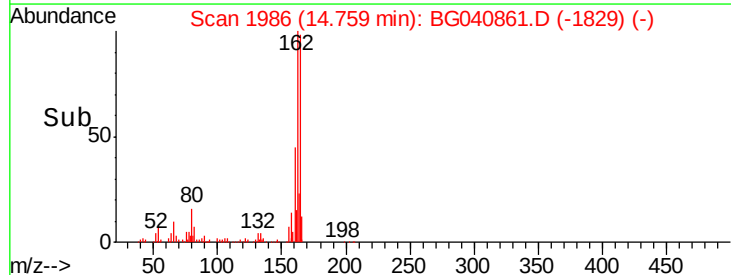
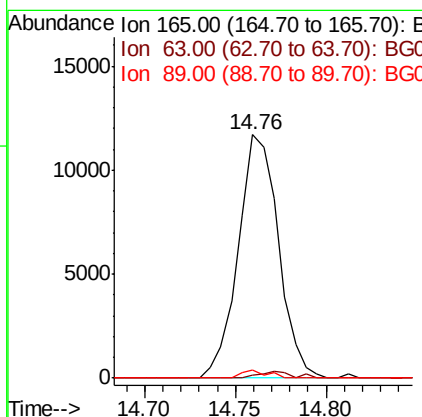
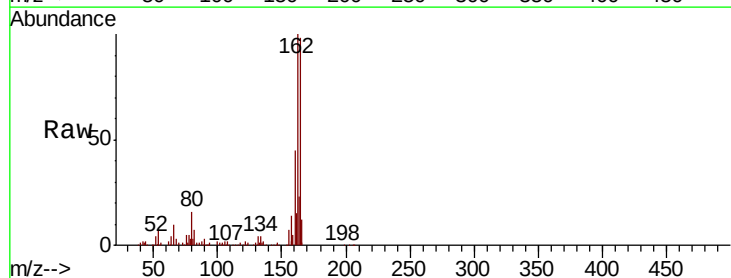
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 C-2

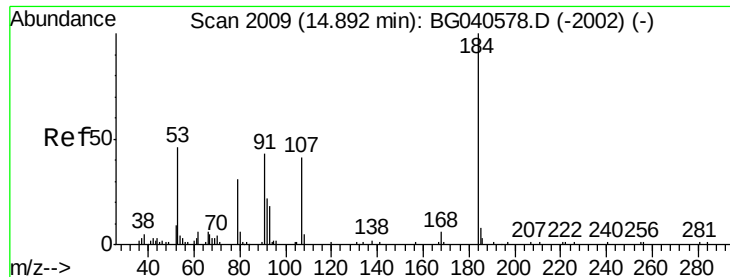
Tgt Ion:	172	Resp:	978833
Ion	Ratio	Lower	Upper
172	100		
171	39.3	29.4	44.2
170	25.4	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 7.660 ng
 RT: 14.76 min Scan# 1986
 Delta R.T. 0.39 min
 Lab File: BG040861.D
 Acq: 11 May 2019 1:07

Tgt Ion:	165	Resp:	18076
Ion	Ratio	Lower	Upper
165	100		
63	1.5	61.0	91.4#
89	3.4	58.6	87.8#

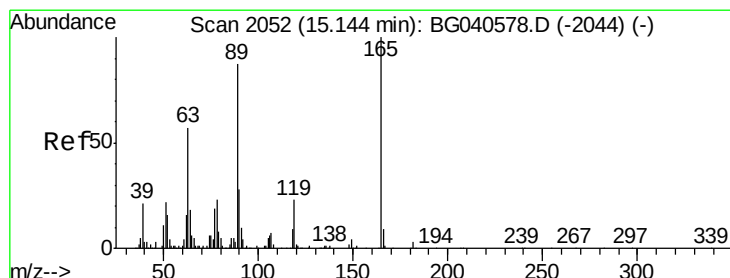
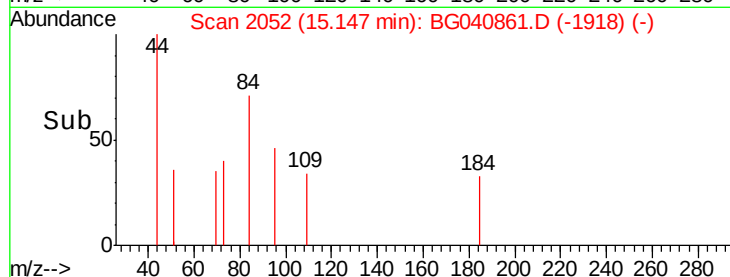
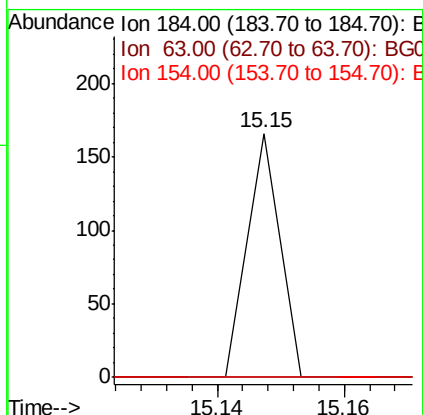
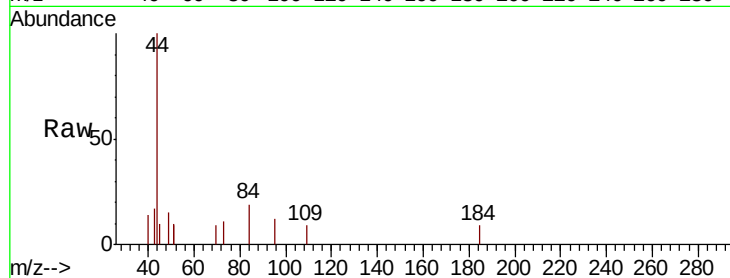




#54
2,4-Dinitrophenol
Concen: 7.055 ng
RT: 15.15 min Scan# 2052
Delta R.T. 0.26 min
Lab File: BG040861.D
Acq: 11 May 2019 1:07

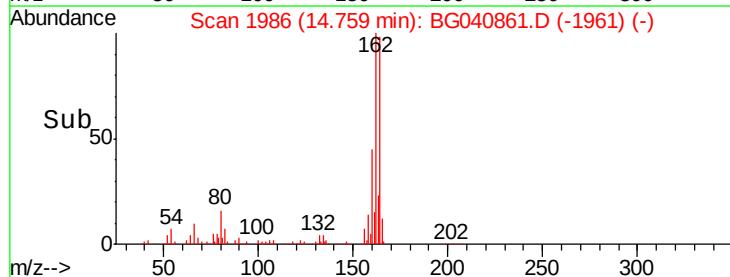
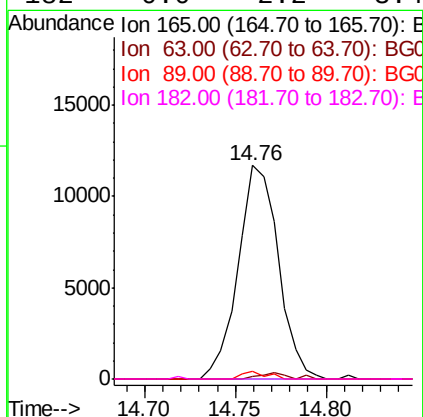
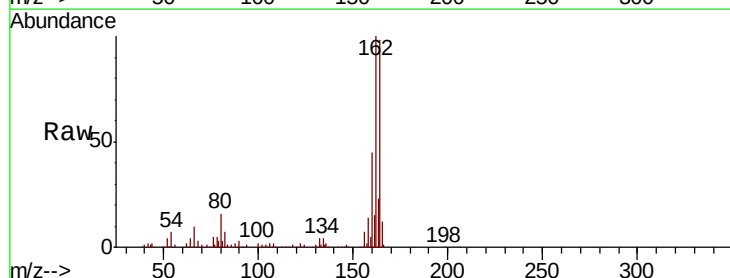
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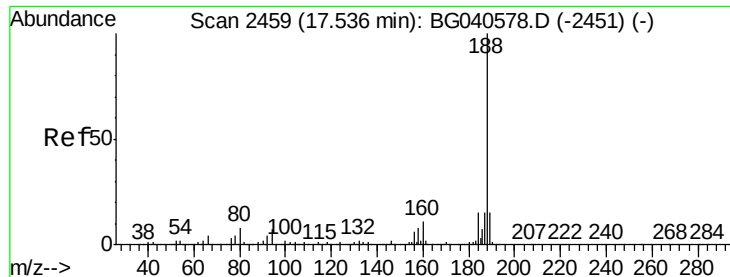
Tgt Ion:184 Resp: 59
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 5.637 ng
RT: 14.76 min Scan# 1986
Delta R.T. -0.38 min
Lab File: BG040861.D
Acq: 11 May 2019 1:07

Tgt Ion:165 Resp: 18076
Ion Ratio Lower Upper
165 100
63 1.5 45.8 68.8#
89 3.4 69.4 104.2#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2454

Delta R.T. -0.03 min

Lab File: BG040861.D

Acq: 11 May 2019 1:07

Instrument :

BNA_G

ClientSampleId :

C-2

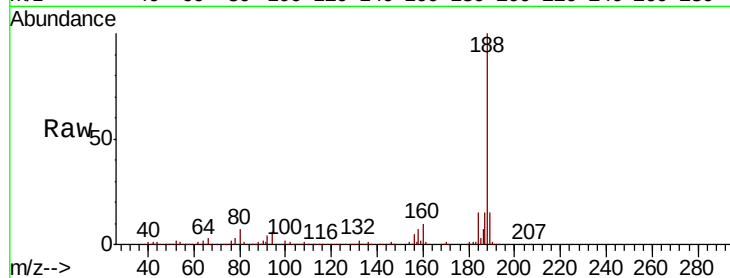
Tgt Ion:188 Resp: 404017

Ion Ratio Lower Upper

188 100

94 6.3 5.6 8.4

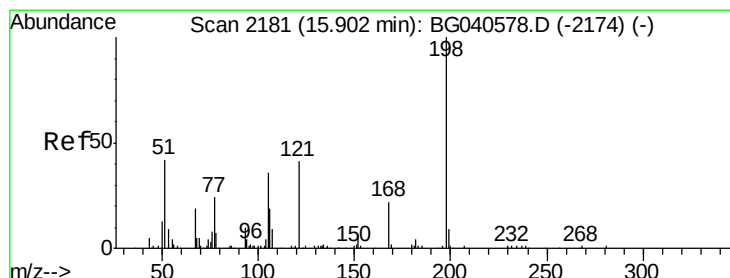
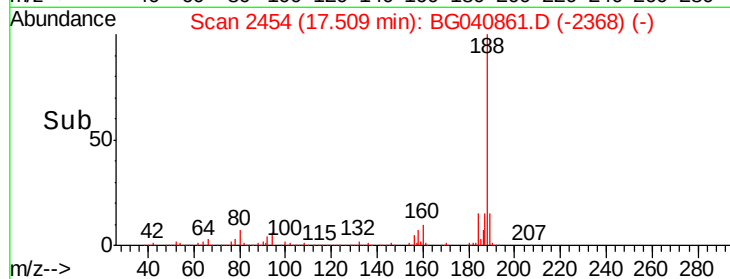
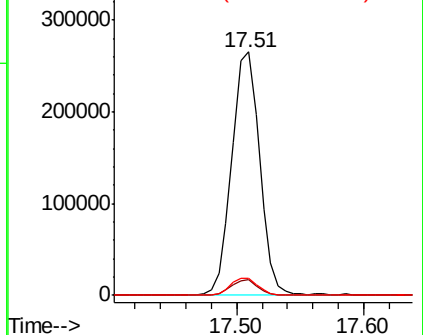
80 7.2 6.4 9.6



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: 7.608 ng

RT: 16.24 min Scan# 2238

Delta R.T. 0.34 min

Lab File: BG040861.D

Acq: 11 May 2019 1:07

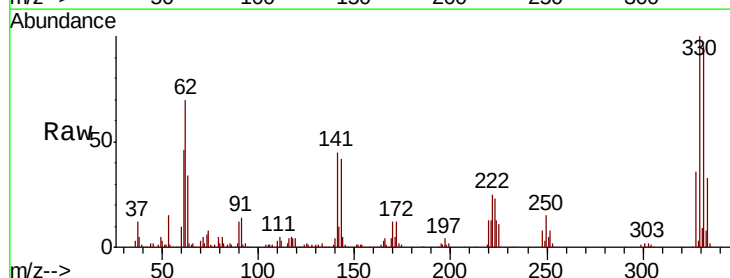
Tgt Ion:198 Resp: 1185

Ion Ratio Lower Upper

198 100

51 115.3 35.9 75.9#

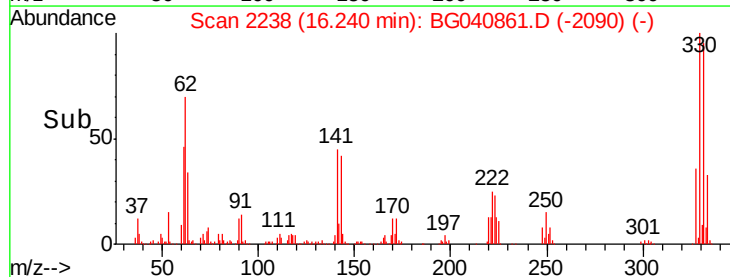
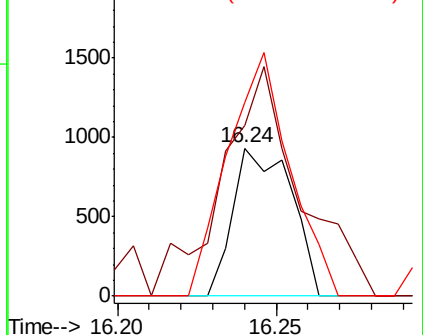
105 130.3 21.2 61.2#

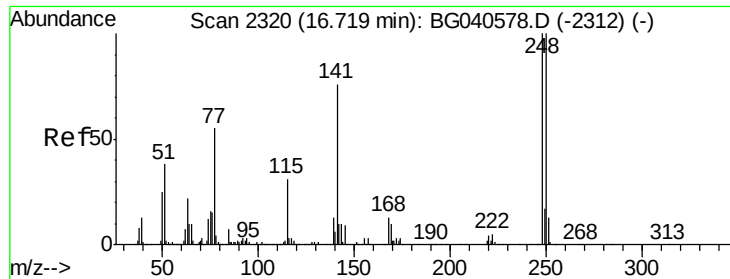


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

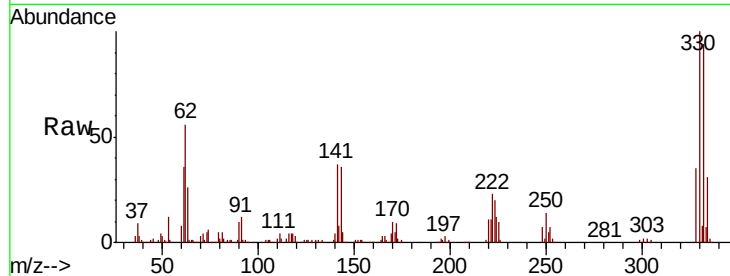




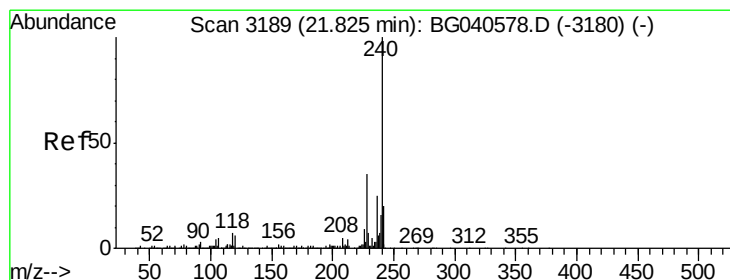
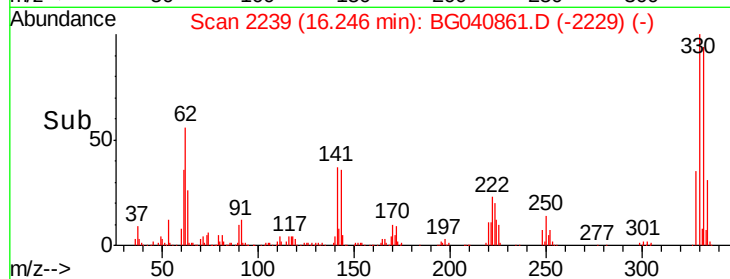
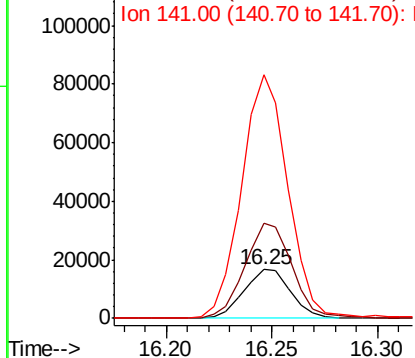
#67
 4-Bromophenyl-phenylether
 Concen: 5.039 ng
 RT: 16.25 min Scan# 2239
 Delta R.T. -0.47 min
 Lab File: BG040861.D
 Acq: 11 May 2019 1:07

Instrument :
 BNA_G
 ClientSampleId :
 C-2

Tgt Ion:248 Resp: 25366
 Ion Ratio Lower Upper
 248 100
 250 197.6 79.8 119.6#
 141 502.8 60.8 91.2#

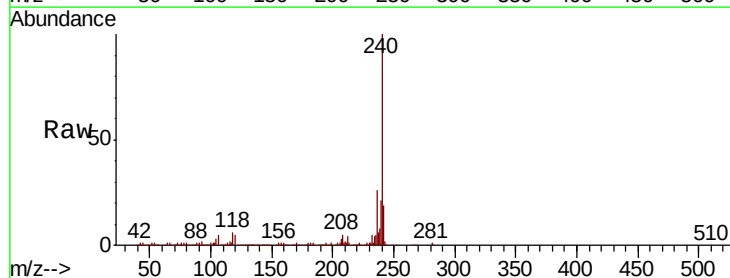


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

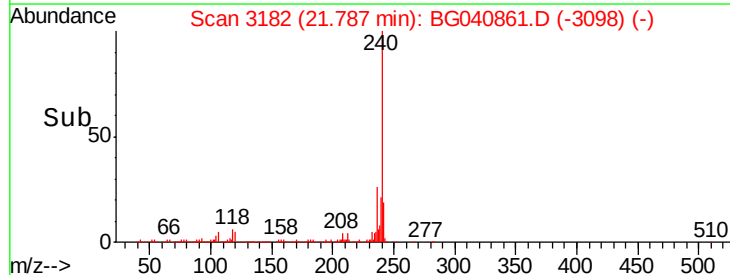
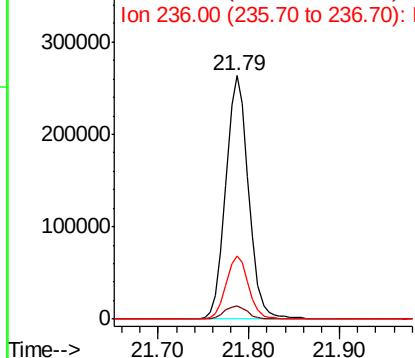


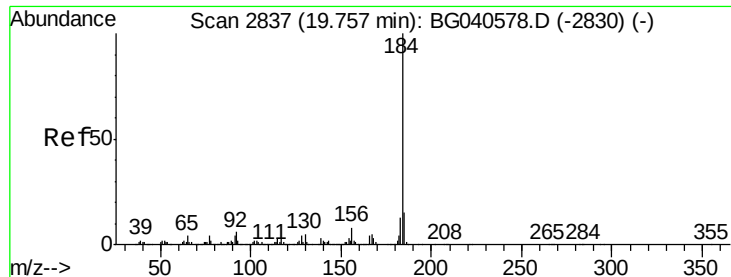
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.79 min Scan# 3182
 Delta R.T. -0.04 min
 Lab File: BG040861.D
 Acq: 11 May 2019 1:07

Tgt Ion:240 Resp: 460026
 Ion Ratio Lower Upper
 240 100
 120 5.4 5.0 7.6
 236 26.0 20.3 30.5



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: 2.991 ng

RT: 20.10 min Scan# 2895

Delta R.T. 0.34 min

Lab File: BG040861.D

Acq: 11 May 2019 1:07

Instrument :

BNA_G

ClientSampleId :

C-2

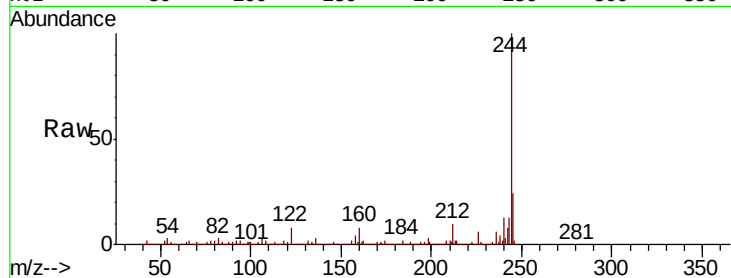
Tgt Ion:184 Resp: 37678

Ion Ratio Lower Upper

184 100

185 14.4 11.8 17.8

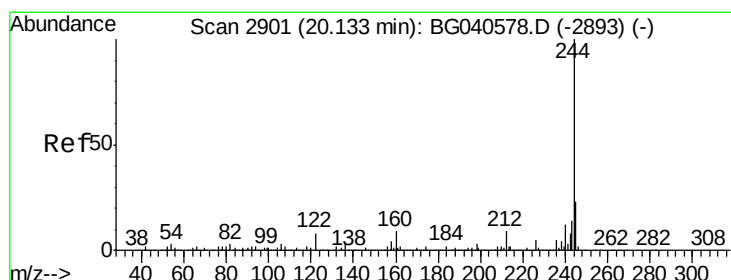
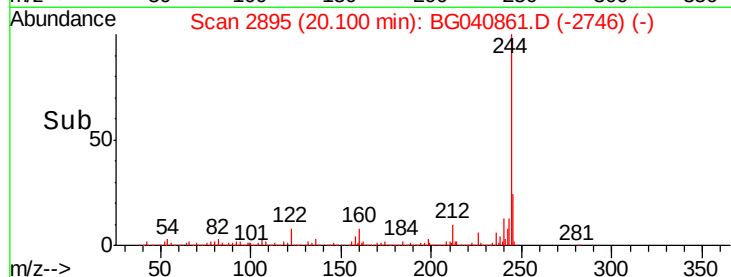
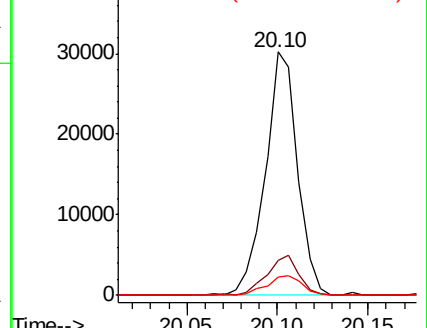
183 7.4 10.2 15.2#



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: 98.592 ng

RT: 20.11 min Scan# 2896

Delta R.T. -0.03 min

Lab File: BG040861.D

Acq: 11 May 2019 1:07

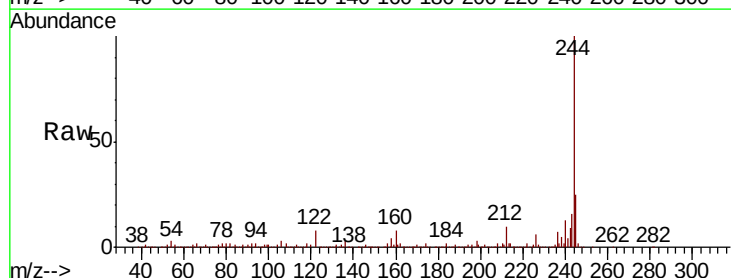
Tgt Ion:244 Resp: 2047242

Ion Ratio Lower Upper

244 100

212 9.6 7.2 10.8

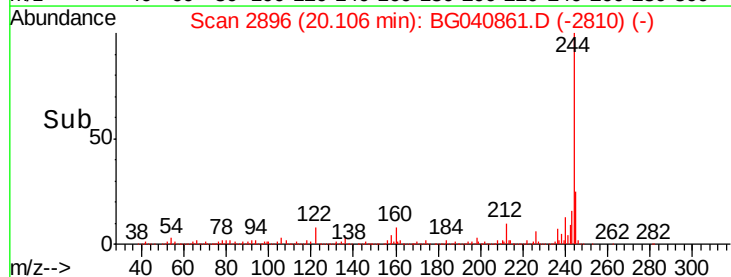
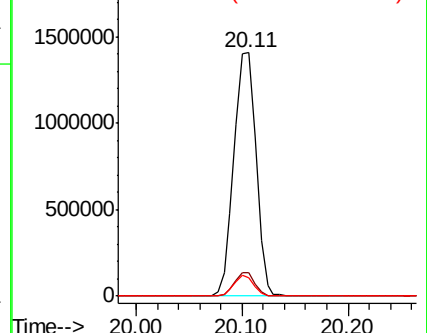
122 7.5 6.6 10.0

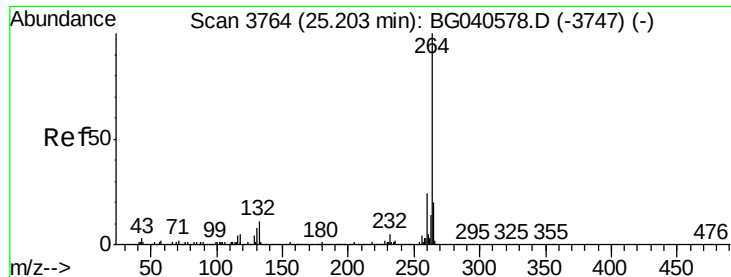


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.13 min Scan# 3751
Delta R.T. -0.07 min
Lab File: BG040861.D
Acq: 11 May 2019 1:07

Instrument :
BNA_G
ClientSampleId :
C-2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.3	16.6	25.0

