

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050219\
 Data File : BG040711.D
 Acq On : 2 May 2019 17:44
 Operator : JU/SJ
 Sample : K2653-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MR-SUMP-PIT

Quant Time: May 03 04:23:22 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

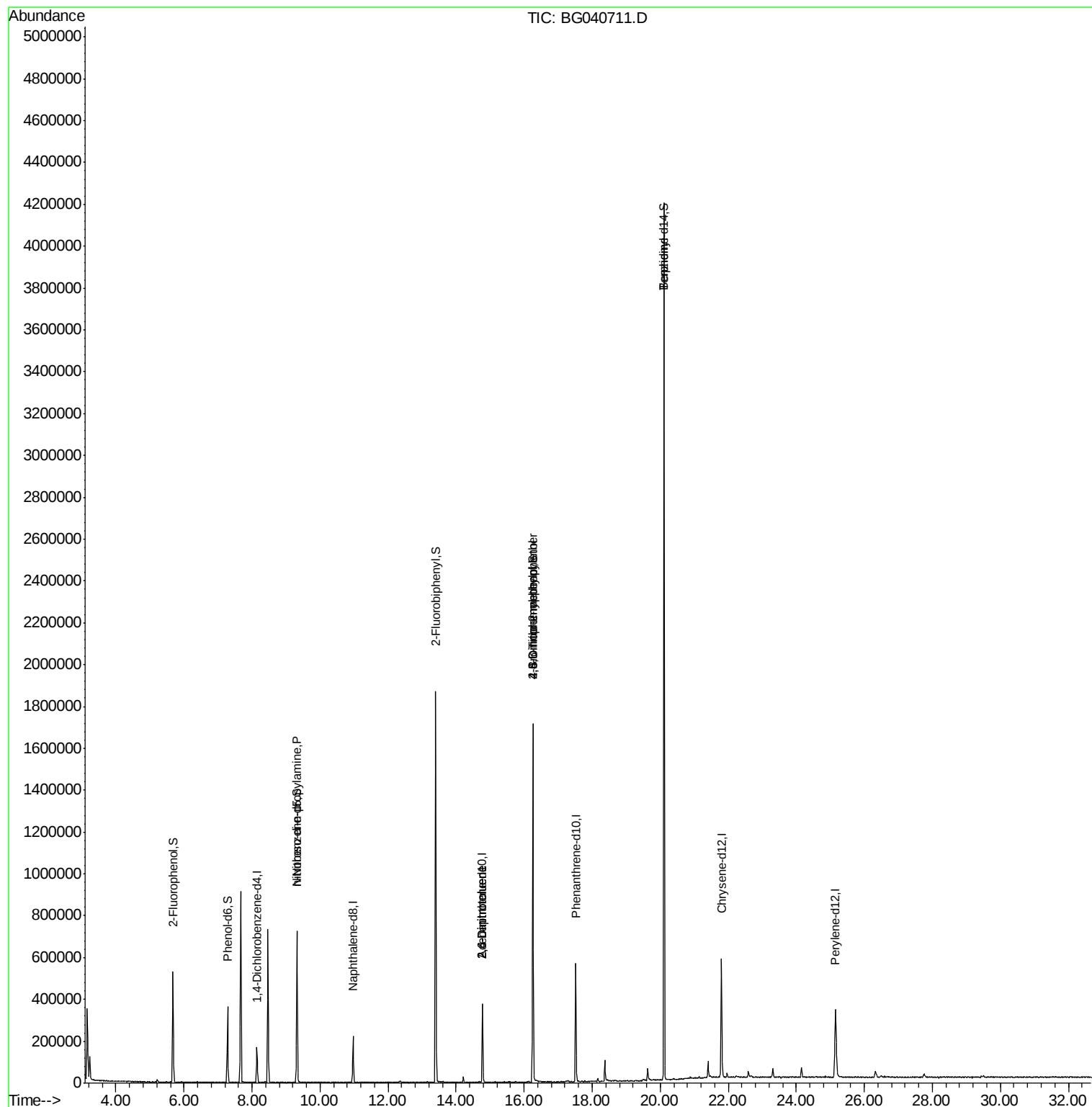
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	40769	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	169435	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	125278	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	342198	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	347747	20.00	ng	-0.02
87) Perylene-d12	25.16	264	360067	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	194249	83.99	ng	0.00
7) Phenol-d6	7.28	99	178959	50.25	ng	-0.01
23) Nitrobenzene-d5	9.32	82	428391	116.83	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	305237	177.26	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	915785	105.57	ng	-0.02
79) Terphenyl-d14	20.11	244	1806848	115.11	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	692	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.32	70	61772	19.270	ng	# 74
51) 2,6-Dinitrotoluene	14.77	165	17080	8.349	ng	# 15
57) 2,4-Dinitrotoluene	14.77	165	17080	6.144	ng	# 17
65) 4,6-Dinitro-2-methylphenol	16.27	198	915	7.564	ng	# 65
67) 4-Bromophenyl-phenylether	16.26	248	23042	5.405	ng	# 1
77) Benzydine	20.11	184	35768	3.757	ng	# 95

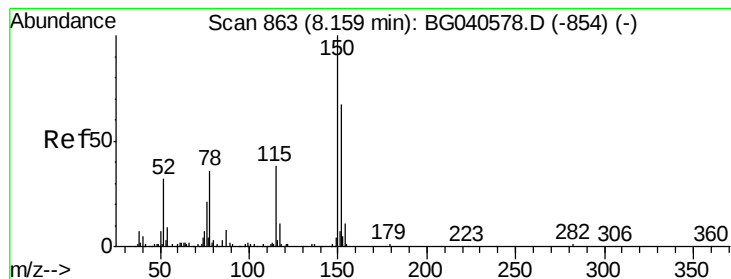
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050219\
Data File : BG040711.D
Acq On : 2 May 2019 17:44
Operator : JU/SJ
Sample : K2653-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MR-SUMP-PIT

Quant Time: May 03 04:23:22 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



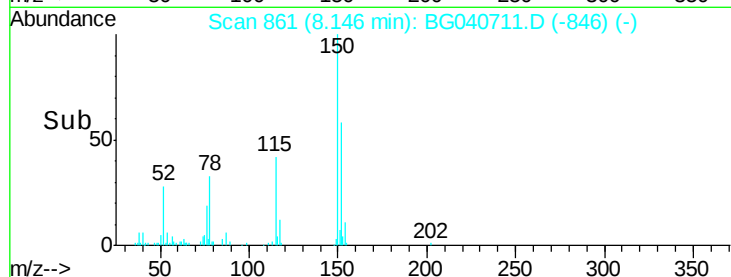
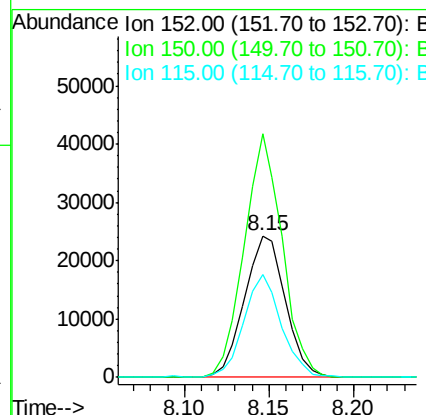
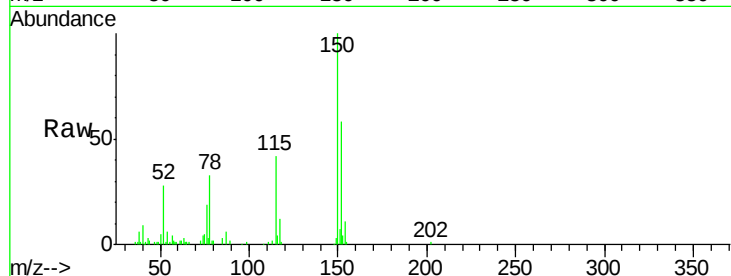


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040711.D
Acq: 2 May 2019 17:44

Instrument :
BNA_G
ClientSampleId :
MR-SUMP-PIT

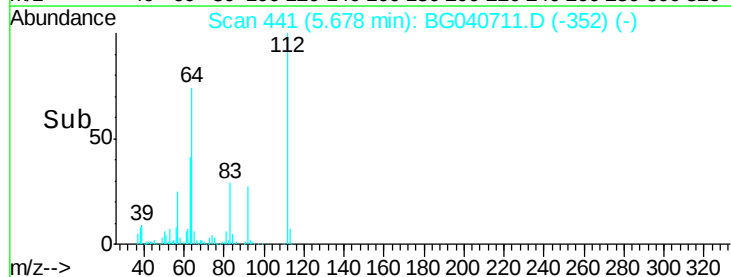
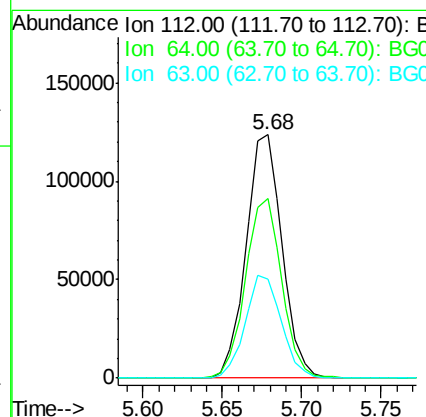
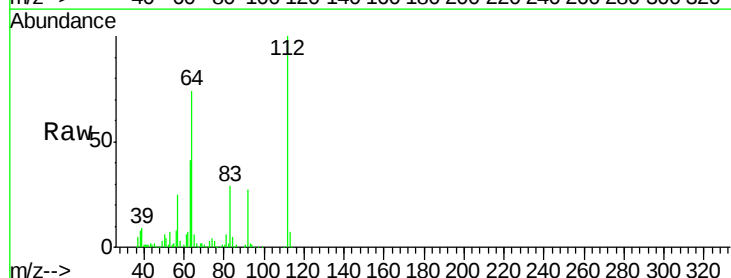
Tot Ion	152	Resp	40769
Ion Ratio	Lower	Upper	
152	100		
150	171.8	120.2	180.2
115	72.9	46.2	69.2#

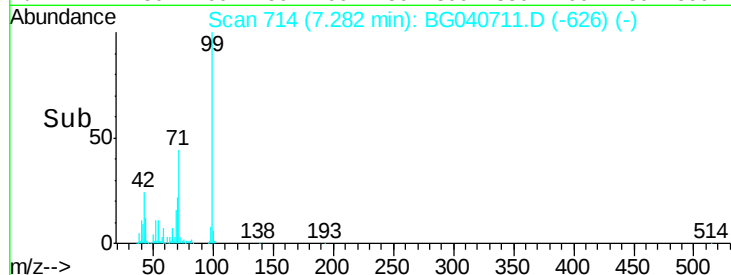
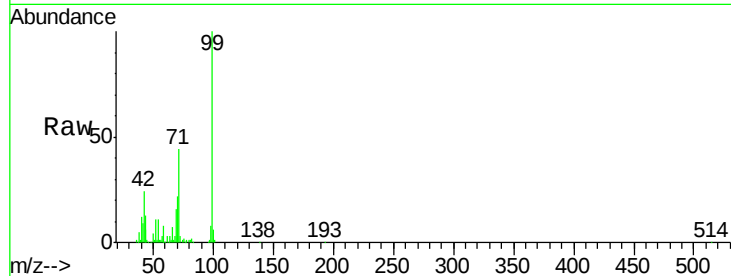
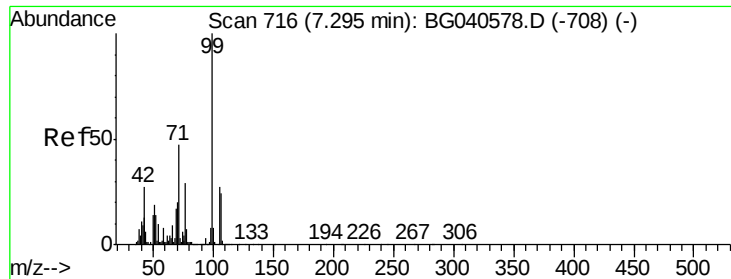


#5

2-Fluorophenol
Concen: 83.989 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.01 min
Lab File: BG040711.D
Acq: 2 May 2019 17:44

Tgt Ion	112	Resp	194249
Ion Ratio	Lower	Upper	
112	100		
64	73.9	61.4	92.0
63	40.9	37.8	56.6





#7

Phenol-d6

Concen: 50.255 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040711.D

Acq: 2 May 2019 17:44

Instrument :

BNA_G

ClientSampleId :

MR-SUMP-PIT

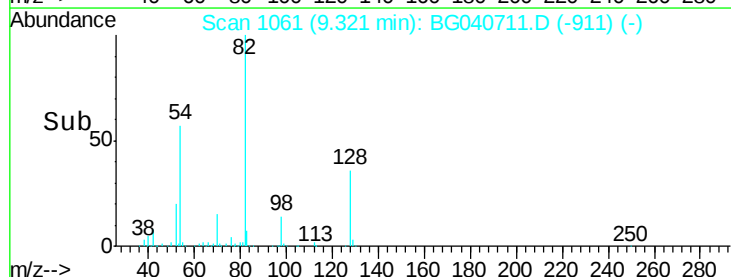
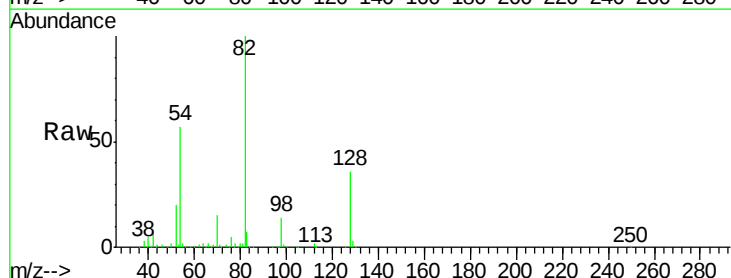
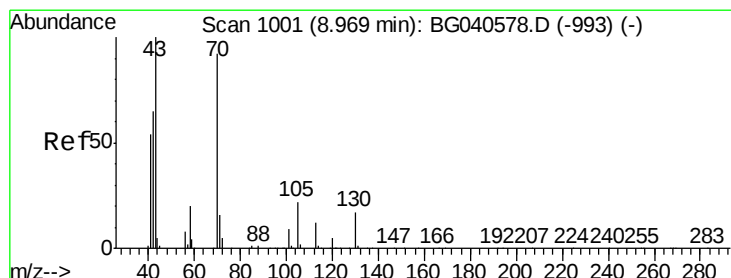
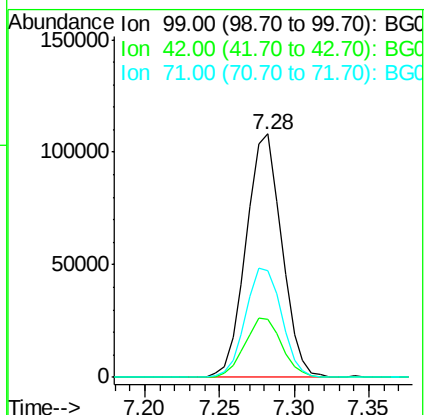
Tot Ion: 99 Resp: 178959

Ion Ratio Lower Upper

99 100

42 23.7 21.8 32.8

71 43.6 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 19.270 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040711.D

Acq: 2 May 2019 17:44

Tgt Ion: 70 Resp: 61772

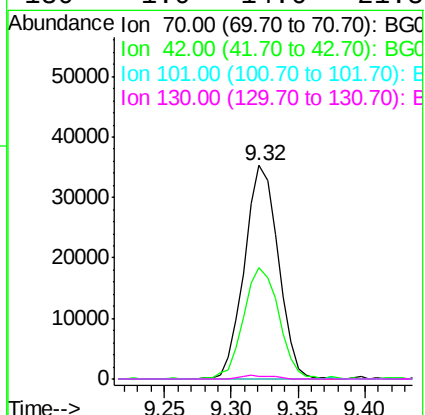
Ion Ratio Lower Upper

70 100

42 52.4 57.1 85.7#

101 0.0 7.8 11.8#

130 1.0 14.6 21.8#

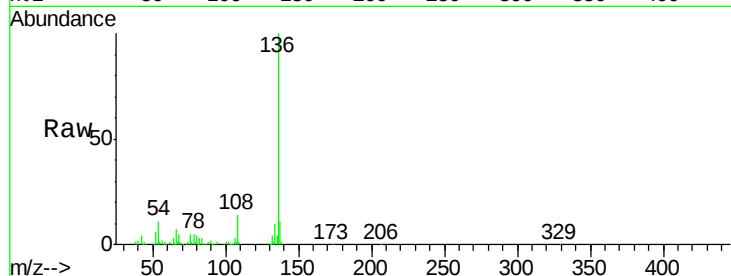




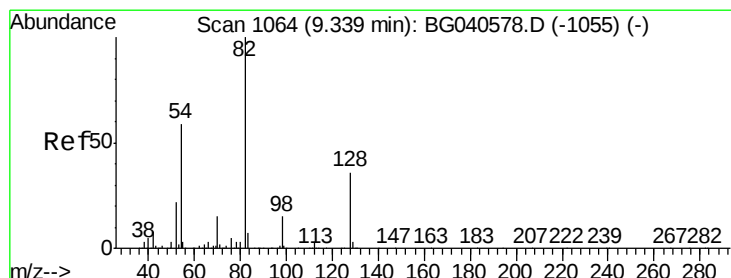
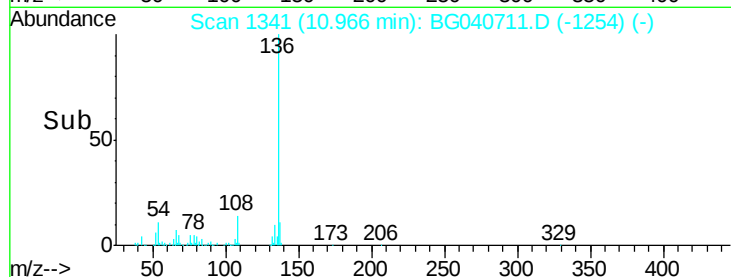
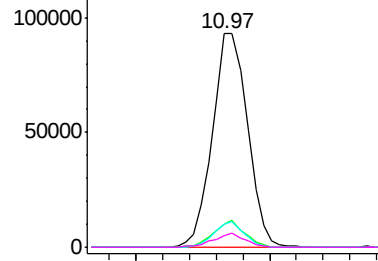
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040711.D
Acq: 2 May 2019 17:44

Instrument :
BNA_G
ClientSampleId :
MR-SUMP-PIT

Tot Ion:136	Resp:	169435
Ion	Ratio	Lower Upper
136	100	
137	10.8	9.7 14.5
54	10.6	8.6 12.8
68	5.9	4.8 7.2

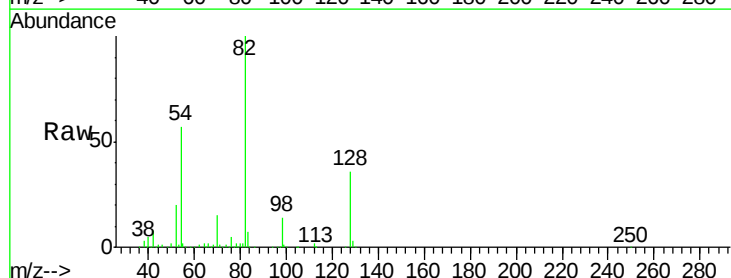


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

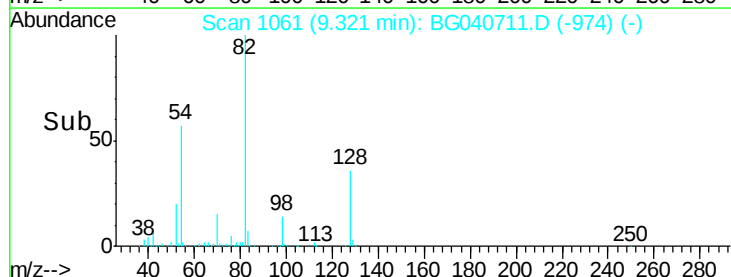
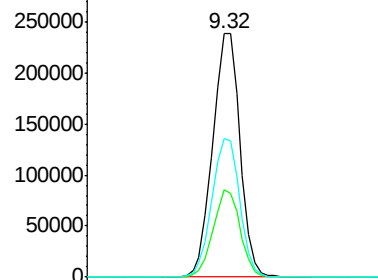


#23
Nitrobenzene-d5
Concen: 116.826 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040711.D
Acq: 2 May 2019 17:44

Tgt Ion: 82	Resp:	428391
Ion	Ratio	Lower Upper
82	100	
128	36.1	28.9 43.3
54	56.9	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# 1989

Delta R.T. -0.02 min

Lab File: BG040711.D

Acq: 2 May 2019 17:44

Instrument :

BNA_G

ClientSampleId :

MR-SUMP-PIT

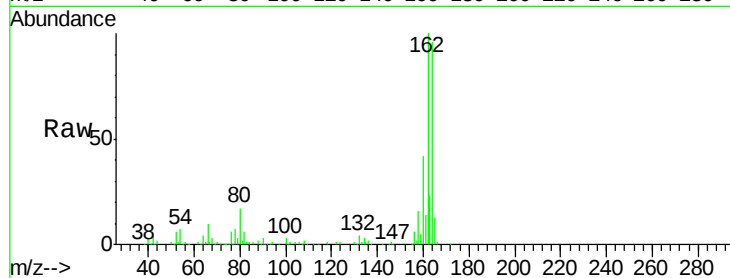
Tot Ion:164 Resp: 125278

Ion Ratio Lower Upper

164 100

162 103.7 81.9 122.9

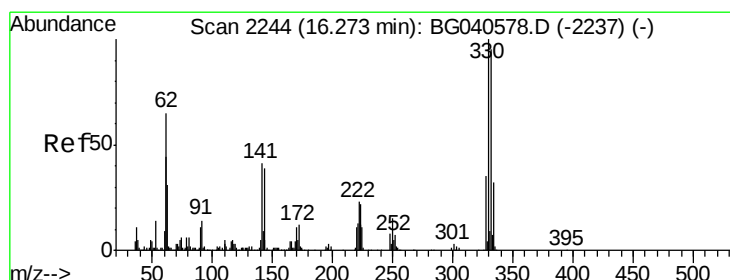
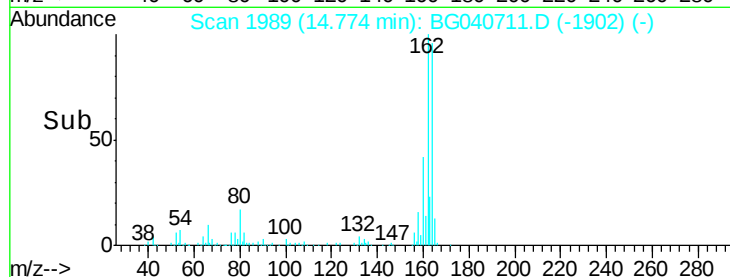
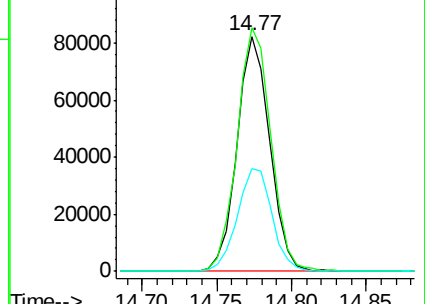
160 43.9 35.4 53.2



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: 177.260 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.01 min

Lab File: BG040711.D

Acq: 2 May 2019 17:44

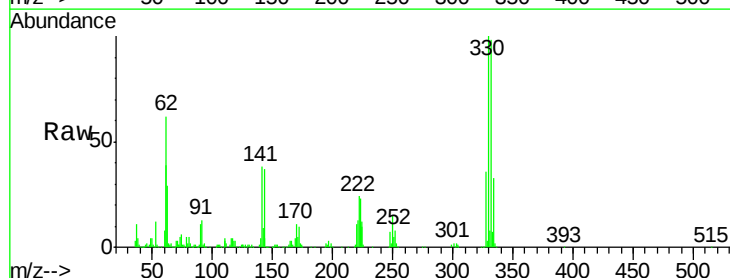
Tgt Ion:330 Resp: 305237

Ion Ratio Lower Upper

330 100

332 96.7 75.9 113.9

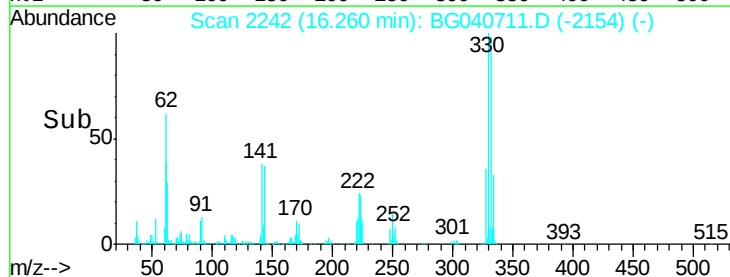
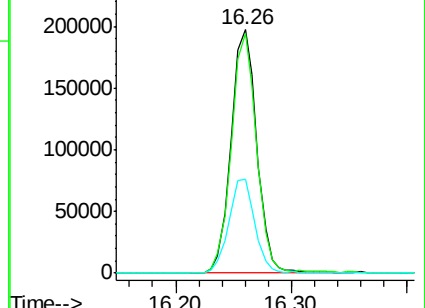
141 39.1 32.4 48.6



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

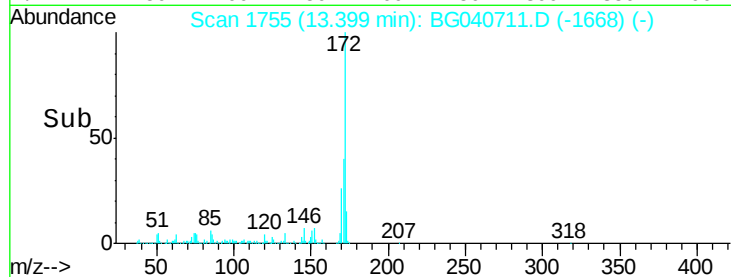
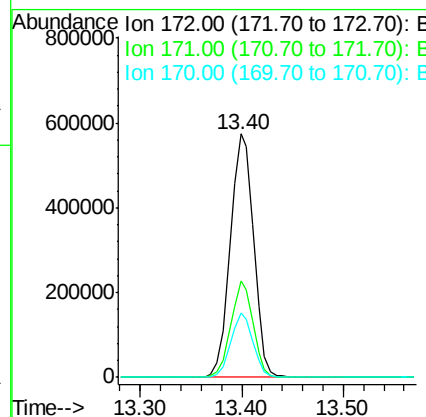
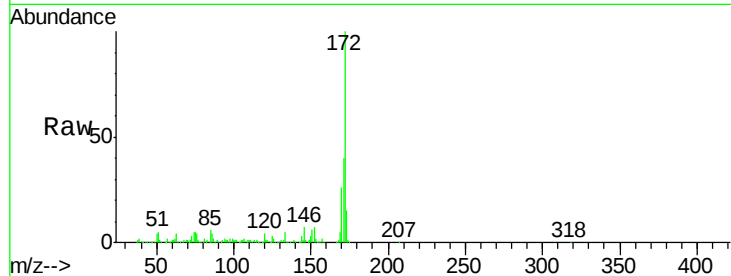




#45
2-Fluorobiphenyl
Concen: 105.571 ng
RT: 13.40 min Scan# 1755
Delta R.T. -0.02 min
Lab File: BG040711.D
Acq: 2 May 2019 17:44

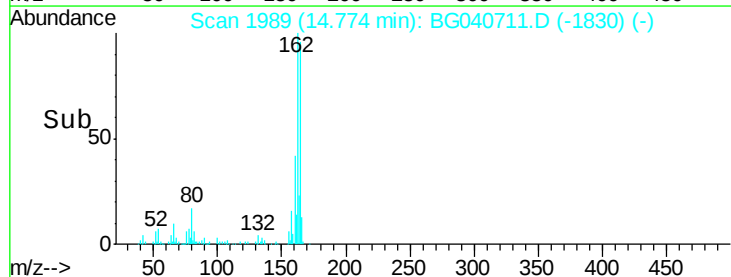
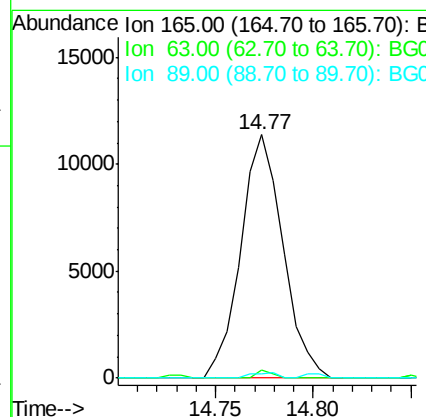
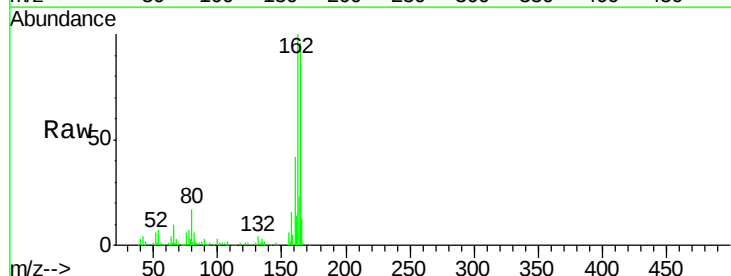
Instrument :
BNA_G
ClientSampleId :
MR-SUMP-PIT

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.5	29.4	44.2
170	26.3	19.9	29.9



#51
2,6-Dinitrotoluene
Concen: 8.349 ng
RT: 14.77 min Scan# 1989
Delta R.T. 0.40 min
Lab File: BG040711.D
Acq: 2 May 2019 17:44

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.5	61.0	91.4#
89	1.9	58.6	87.8#





#57

2,4-Dinitrotoluene

Concen: 6.144 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.37 min

Lab File: BG040711.D

Acq: 2 May 2019 17:44

Instrument :

BNA_G

ClientSampleId :

MR-SUMP-PIT

Tot Ion:165 Resp: 17080

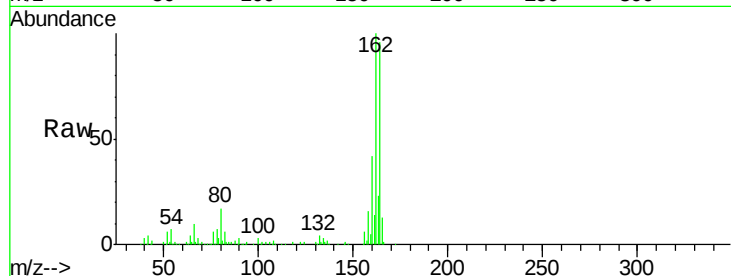
Ion Ratio Lower Upper

165 100

63 3.5 45.8 68.8#

89 1.9 69.4 104.2#

182 0.0 2.2 3.4#

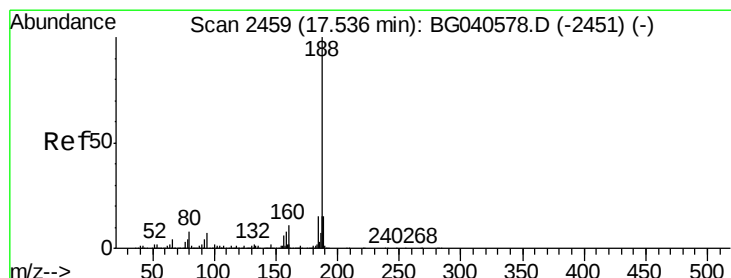
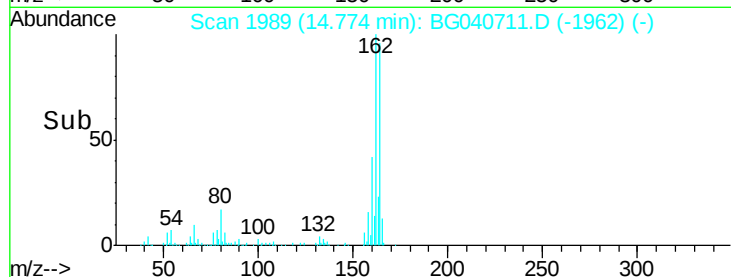
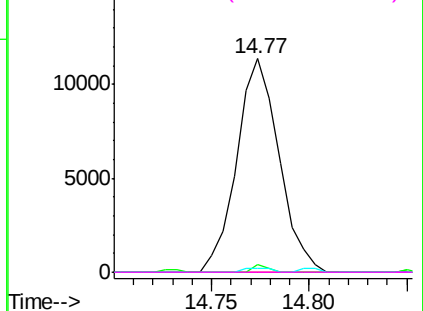


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.52 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG040711.D

Acq: 2 May 2019 17:44

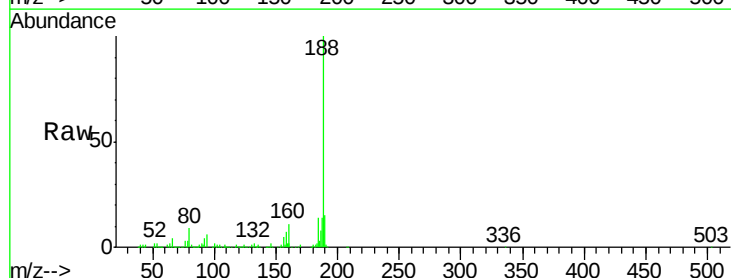
Tgt Ion:188 Resp: 342198

Ion Ratio Lower Upper

188 100

94 6.4 5.6 8.4

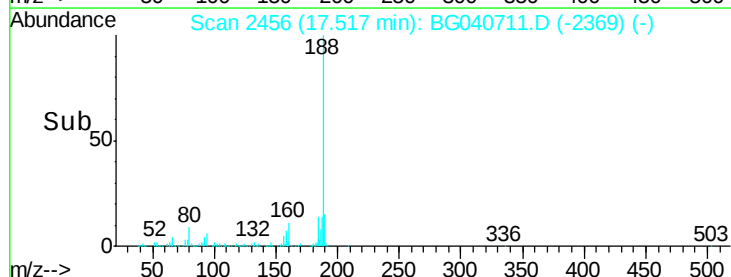
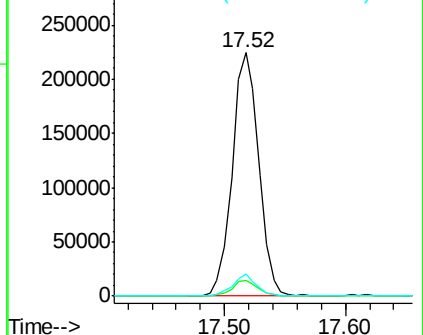
80 9.2 6.4 9.6

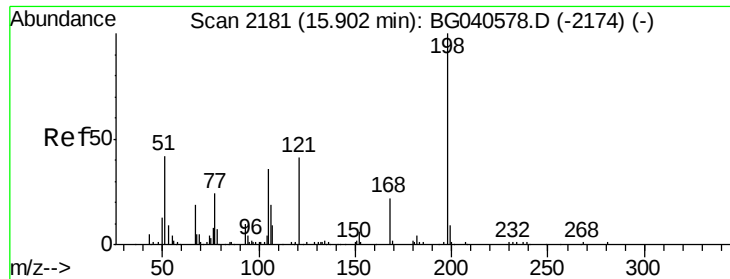


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.564 ng

RT: 16.27 min Scan# 2243

Delta R.T. 0.36 min

Lab File: BG040711.D

Acq: 2 May 2019 17:44

Instrument :

BNA_G

ClientSampleId :

MR-SUMP-PIT

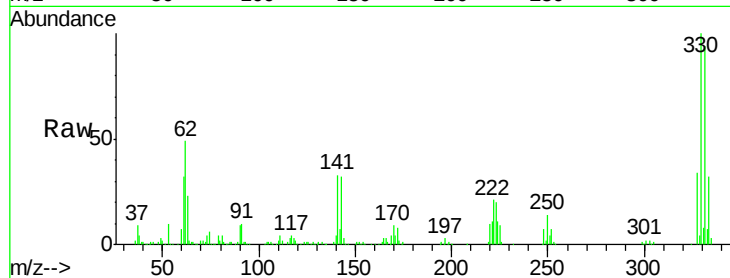
Tot Ion:198 Resp: 915

Ion Ratio Lower Upper

198 100

51 21.0 35.9 75.9#

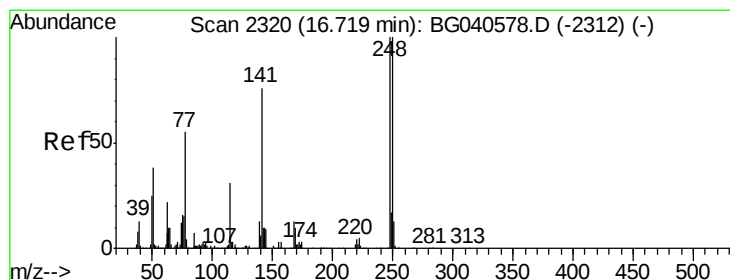
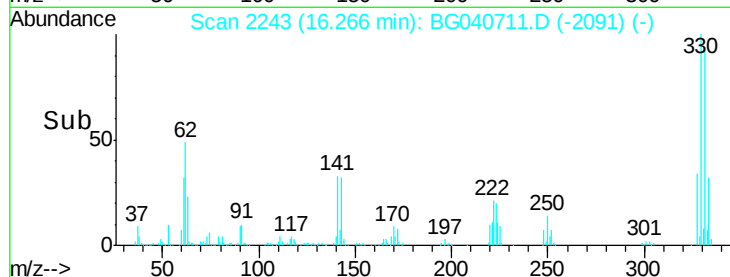
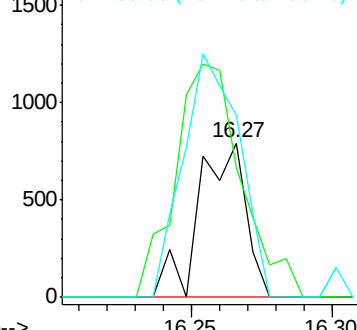
105 29.5 21.2 61.2



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



#67

4-Bromophenyl-phenylether

Concen: 5.405 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.46 min

Lab File: BG040711.D

Acq: 2 May 2019 17:44

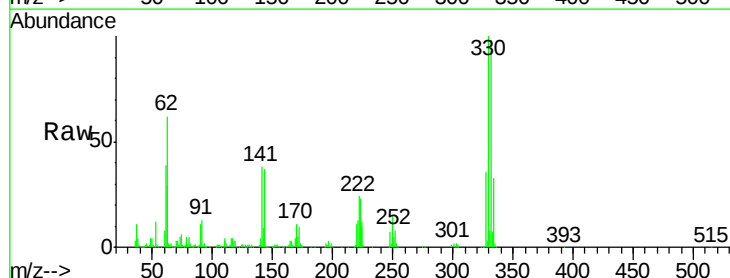
Tgt Ion:248 Resp: 23042

Ion Ratio Lower Upper

248 100

250 218.4 79.8 119.6#

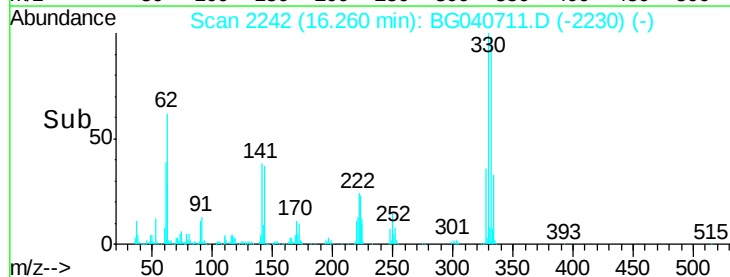
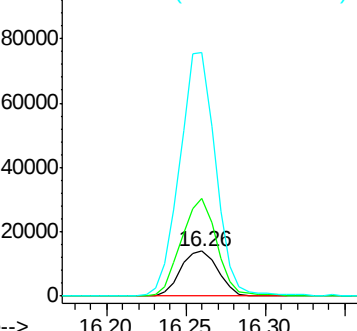
141 545.1 60.8 91.2#

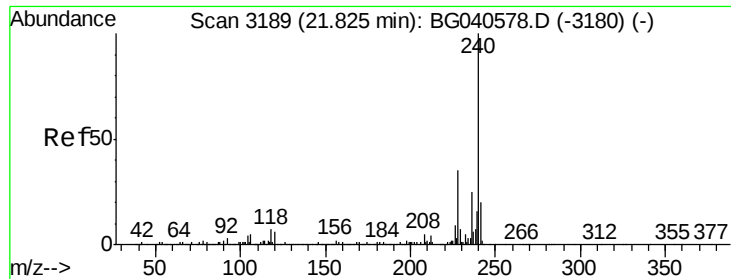


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

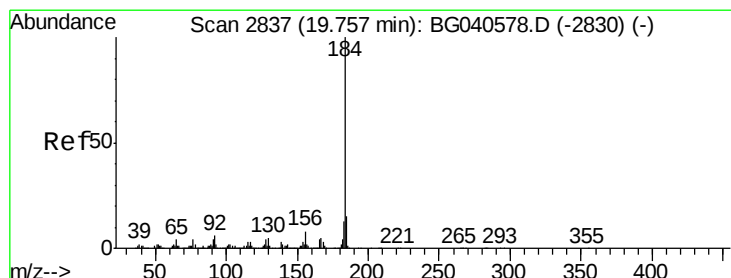
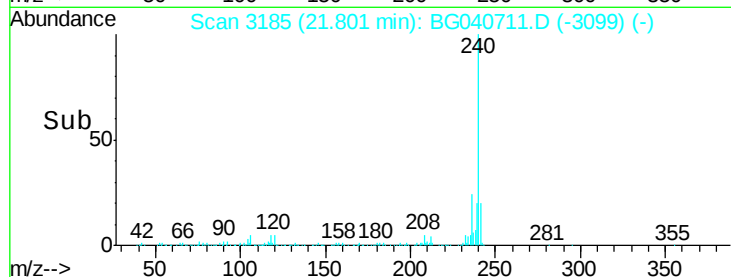
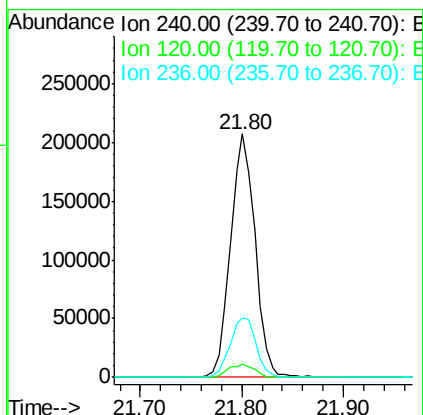
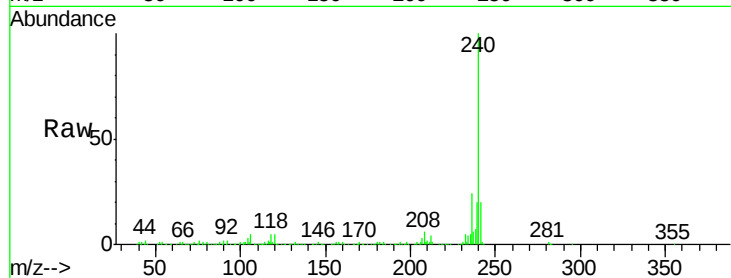




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3185
Delta R.T. -0.02 min
Lab File: BG040711.D
Acq: 2 May 2019 17:44

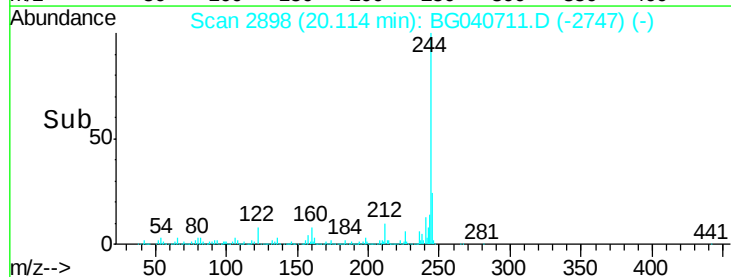
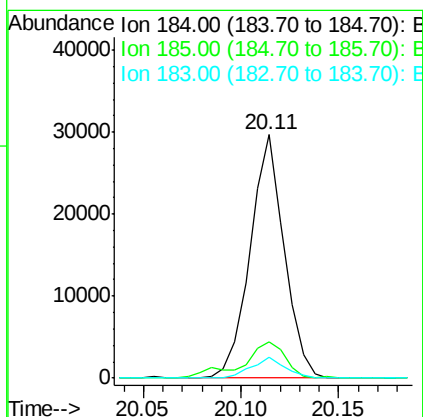
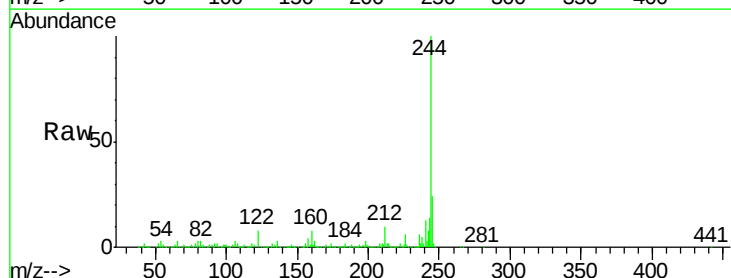
Instrument :
BNA_G
ClientSampleId :
MR-SUMP-PIT

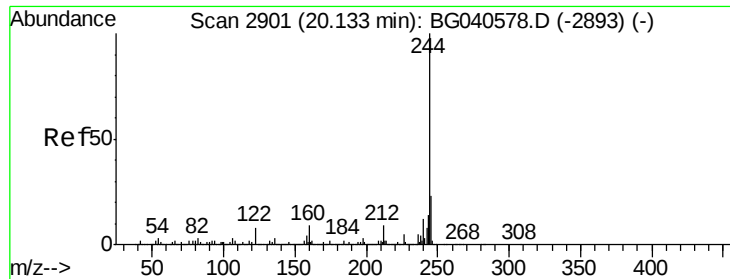
Tot Ion:240 Resp: 347747
Ion Ratio Lower Upper
240 100
120 5.4 5.0 7.6
236 24.3 20.3 30.5



#77
Benzidine
Concen: 3.757 ng
RT: 20.11 min Scan# 2898
Delta R.T. 0.36 min
Lab File: BG040711.D
Acq: 2 May 2019 17:44

Tgt Ion:184 Resp: 35768
Ion Ratio Lower Upper
184 100
185 15.2 11.8 17.8
183 8.6 10.2 15.2#





#79

Terphenyl-d14

Concen: 115.110 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.02 min

Lab File: BG040711.D

Acq: 2 May 2019 17:44

Instrument :

BNA_G

ClientSampleId :

MR-SUMP-PIT

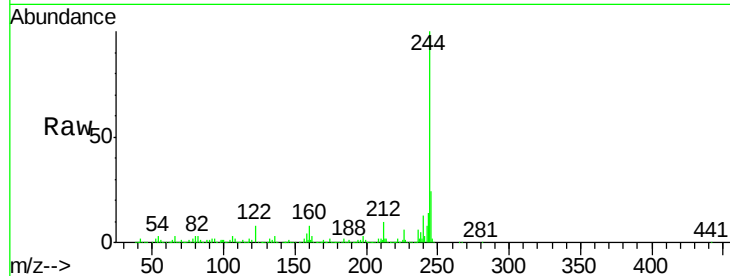
Tot Ion:244 Resp: 1806848

Ion Ratio Lower Upper

244 100

212 9.6 7.2 10.8

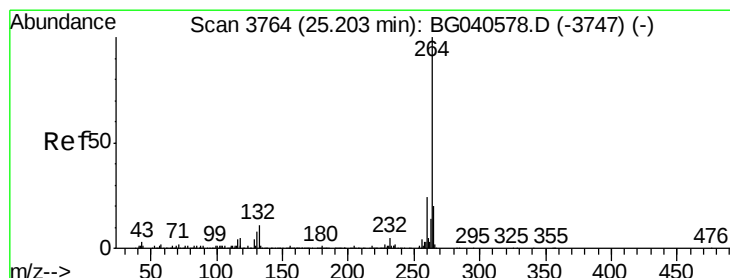
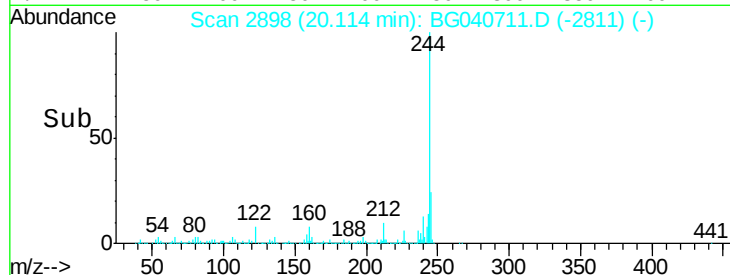
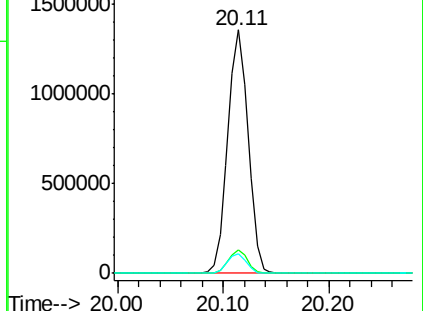
122 7.9 6.6 10.0



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: 25.16 min Scan# 3756

Delta R.T. -0.05 min

Lab File: BG040711.D

Acq: 2 May 2019 17:44

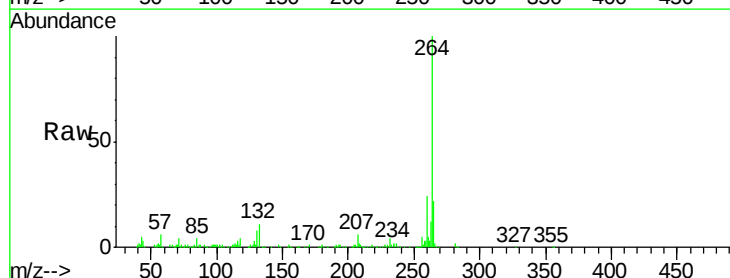
Tgt Ion:264 Resp: 360067

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 22.1 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

