

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050719\
 Data File : BG040772.D
 Acq On : 7 May 2019 16:36
 Operator : HP/JU
 Sample : K2680-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSSI-0502-S-TCLP-10

Quant Time: May 08 03:54:25 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

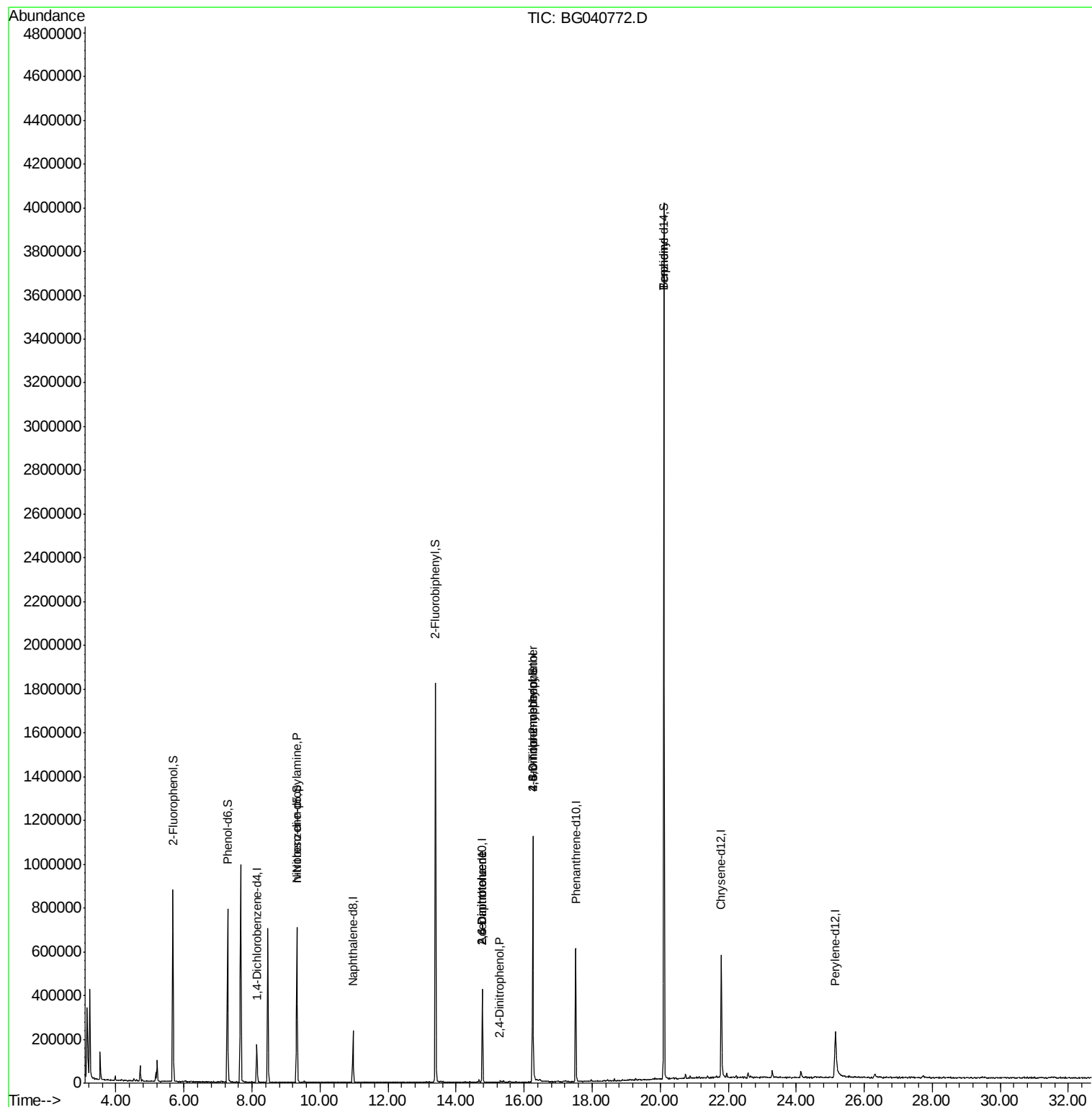
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	44159	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	181782	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	140972	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	371147	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	375222	20.00	ng	-0.03
87) Perylene-d12	25.15	264	299978	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	316671	126.41	ng	-0.01
7) Phenol-d6	7.28	99	408522	105.91	ng	-0.01
23) Nitrobenzene-d5	9.32	82	420132	106.79	ng	-0.02
42) 2,4,6-Tribromophenol	16.25	330	211353	109.07	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	920026	94.25	ng	-0.02
79) Terphenyl-d14	20.11	244	1808074	106.75	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	1239	Below Cal		Qvalue # 16
19) n-Nitroso-di-n-propylamine	9.32	70	60400	17.396	ng	# 72
51) 2,6-Dinitrotoluene	14.77	165	18020	7.828	ng	# 16
54) 2,4-Dinitrophenol	15.27	184	82	7.072	ng	# 21
57) 2,4-Dinitrotoluene	14.77	165	18020	5.761	ng	# 18
65) 4,6-Dinitro-2-methylphenol	16.25	198	565	7.364	ng	# 17
67) 4-Bromophenyl-phenylether	16.25	248	14629	3.164	ng	# 1
77) Benzydine	20.11	184	33517	3.262	ng	# 93

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

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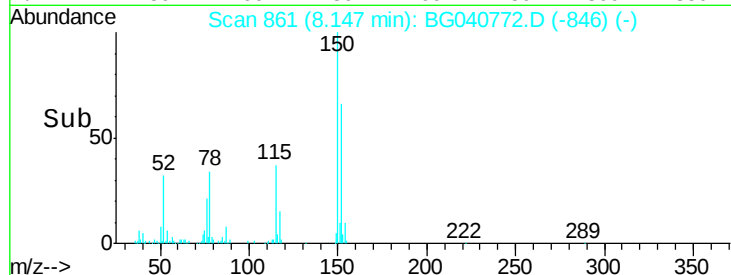
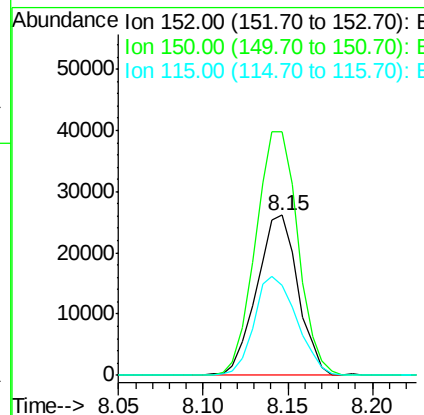
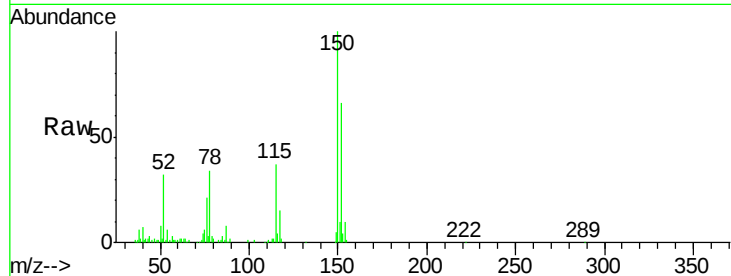


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040772.D
Acq: 7 May 2019 16:36

Instrument :
BNA_G
ClientSampleId :
SSSI-0502-S-TCLP-10

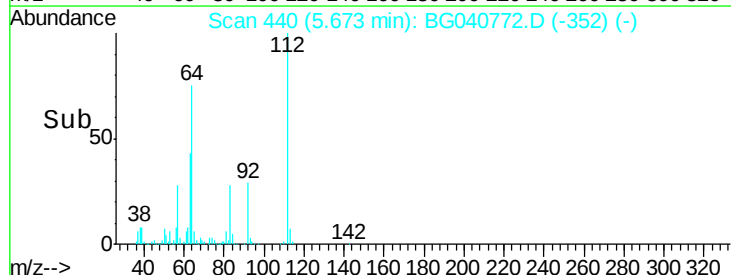
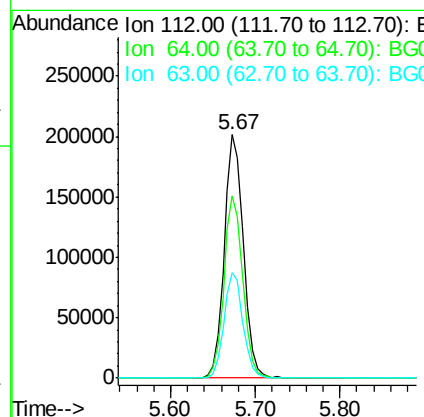
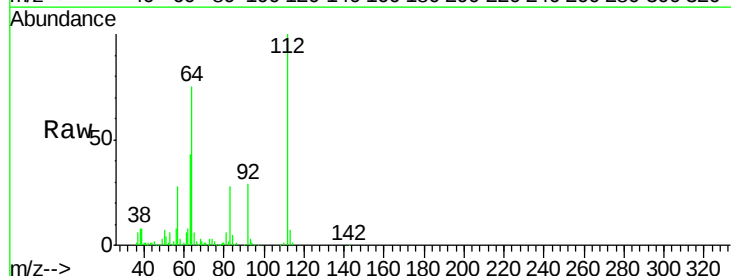
Tot Ion	152	Resp	44159
Ion Ratio	Lower	Upper	
152	100		
150	152.3	120.2	180.2
115	56.2	46.2	69.2



#5

2-Fluorophenol
Concen: 126.411 ng
RT: 5.67 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040772.D
Acq: 7 May 2019 16:36

Tgt Ion	112	Resp	316671
Ion Ratio	Lower	Upper	
112	100		
64	74.8	61.4	92.0
63	43.5	37.8	56.6





#7

Phenol-d6

Concen: 105.913 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040772.D

Acq: 7 May 2019 16:36

Instrument :

BNA_G

ClientSampleId :

SSSI-0502-S-TCLP-10

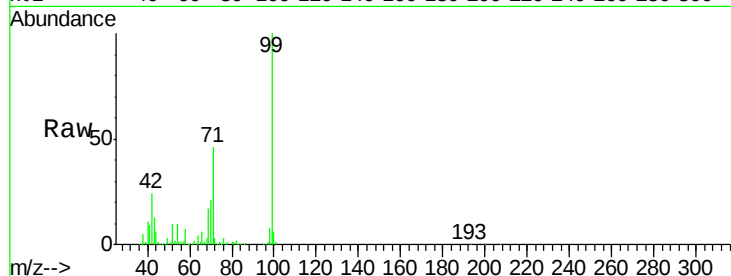
Tot Ion: 99 Resp: 408522

Ion Ratio Lower Upper

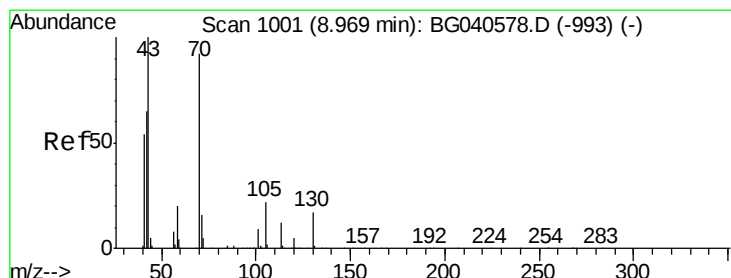
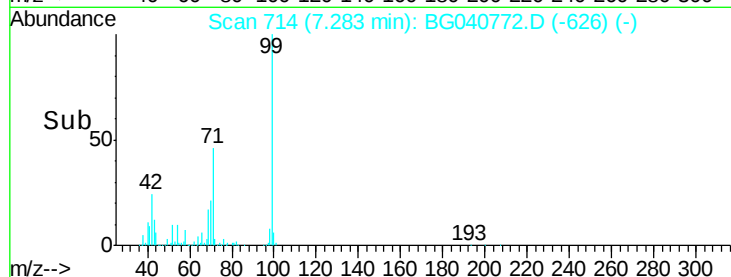
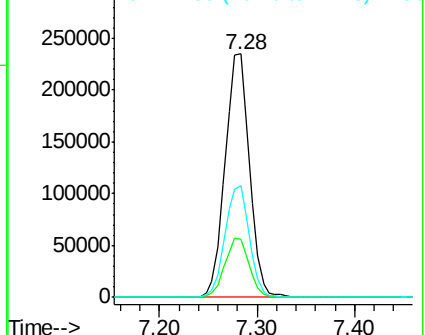
99 100

42 23.6 21.8 32.8

71 46.0 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: 17.396 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040772.D

Acq: 7 May 2019 16:36

Tgt Ion: 70 Resp: 60400

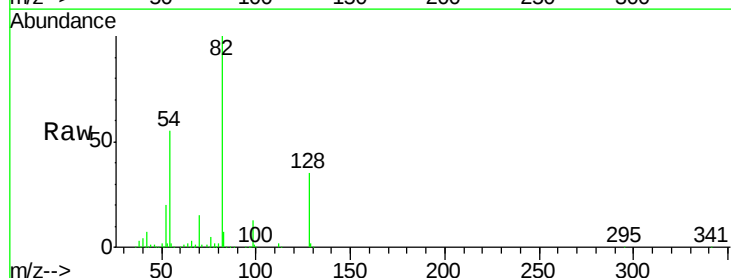
Ion Ratio Lower Upper

70 100

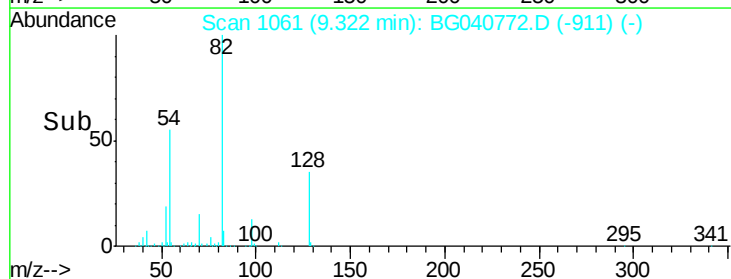
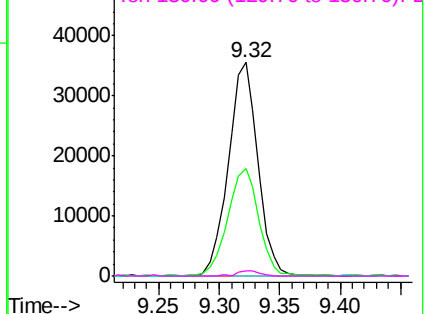
42 50.1 57.1 85.7#

101 0.0 7.8 11.8#

130 2.1 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

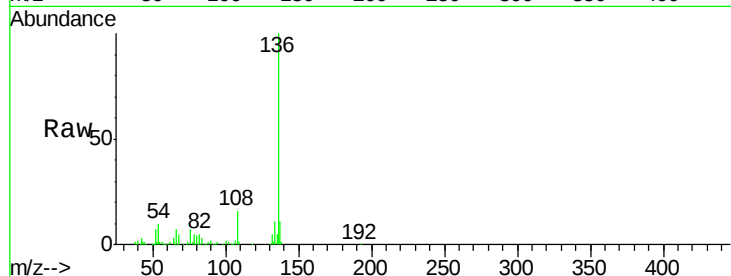




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040772.D
Acq: 7 May 2019 16:36

Instrument :
BNA_G
ClientSampleId :
SSSI-0502-S-TCLP-10

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.7	14.5
54	10.3	8.6	12.8
68	4.7	4.8	7.2



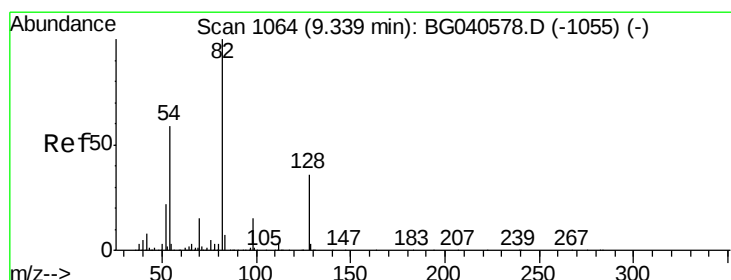
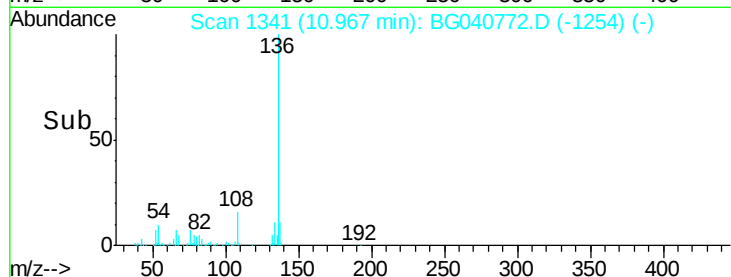
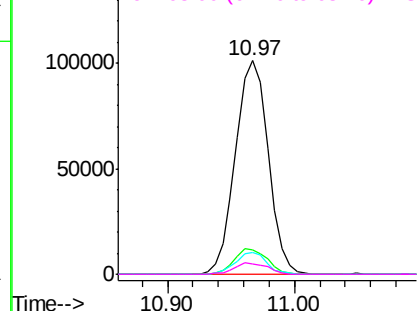
Abundance

Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

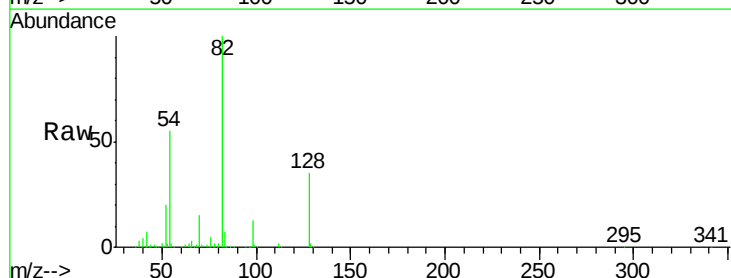
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 106.791 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040772.D
Acq: 7 May 2019 16:36

Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.3	28.9	43.3
54	55.2	47.2	70.8

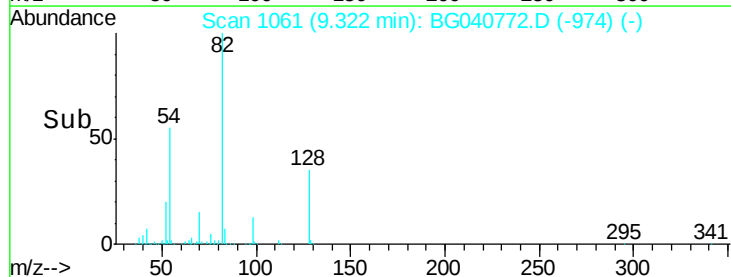
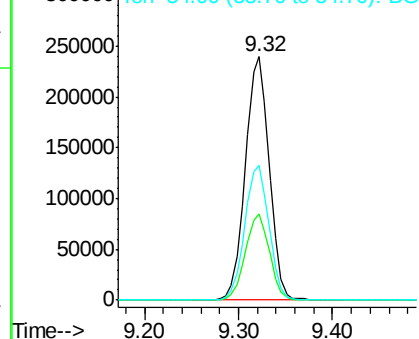


Abundance

Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040772.D

Acq: 7 May 2019 16:36

Instrument :

BNA_G

ClientSampleId :

SSSI-0502-S-TCLP-10

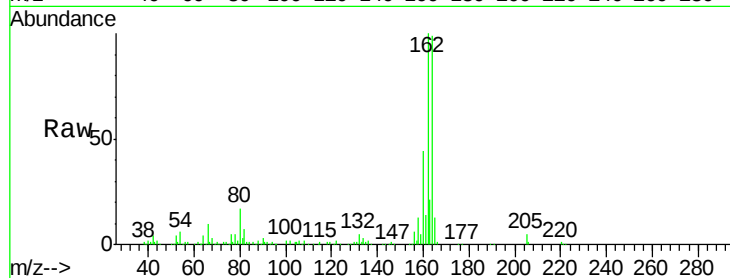
Tot Ion:164 Resp: 140972

Ion Ratio Lower Upper

164 100

162 100.9 81.9 122.9

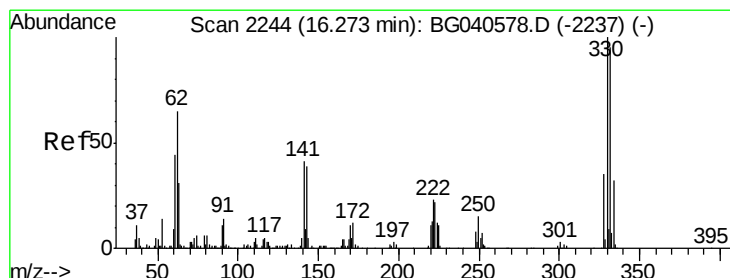
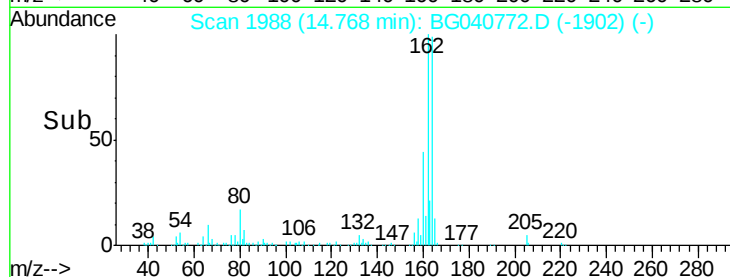
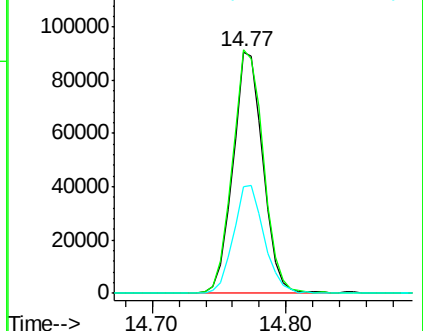
160 44.0 35.4 53.2



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: 109.075 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040772.D

Acq: 7 May 2019 16:36

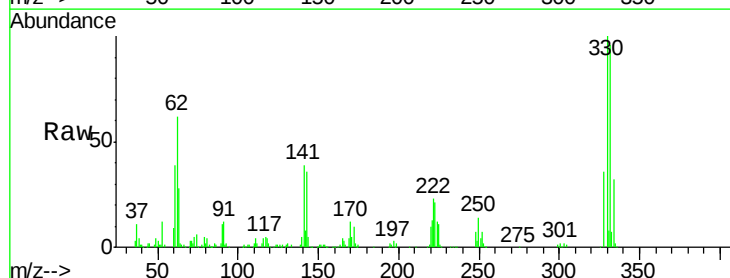
Tgt Ion:330 Resp: 211353

Ion Ratio Lower Upper

330 100

332 94.6 75.9 113.9

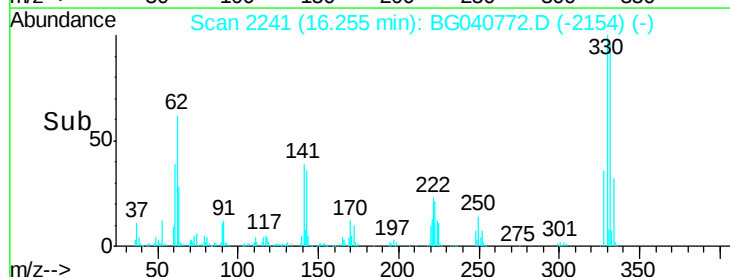
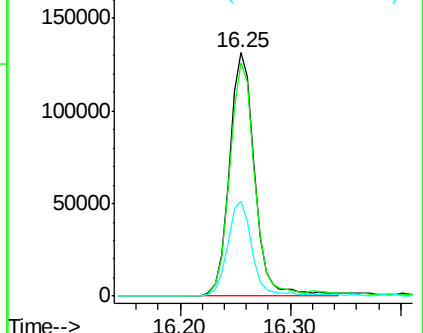
141 37.9 32.4 48.6



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

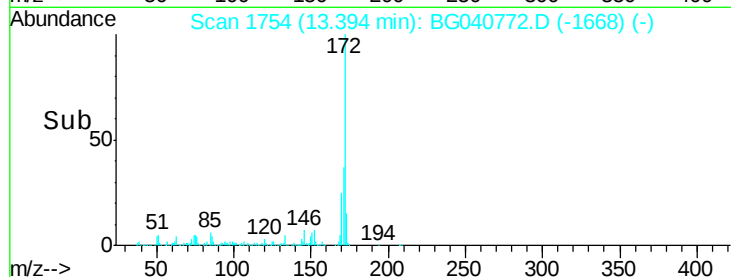
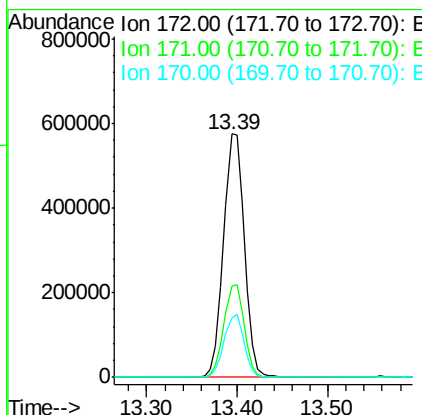
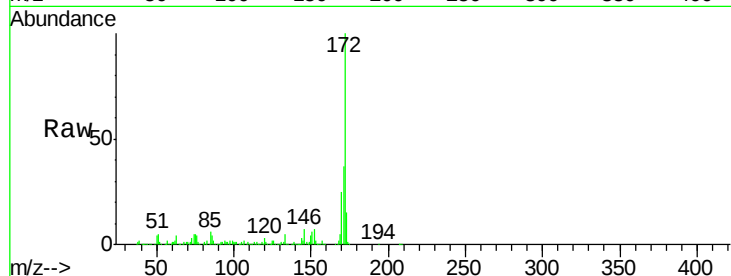




#45
2-Fluorobiphenyl
Concen: 94.253 ng
RT: 13.39 min Scan# 1754
Delta R.T. -0.02 min
Lab File: BG040772.D
Acq: 7 May 2019 16:36

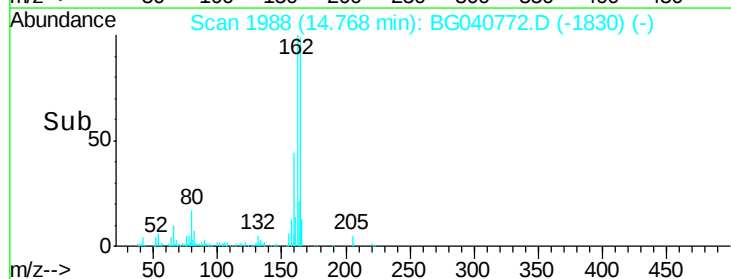
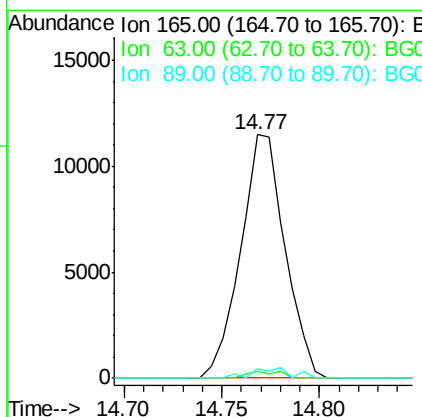
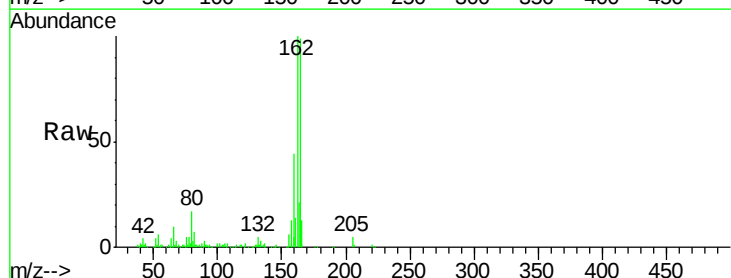
Instrument :
BNA_G
ClientSampleId :
SSSI-0502-S-TCLP-10

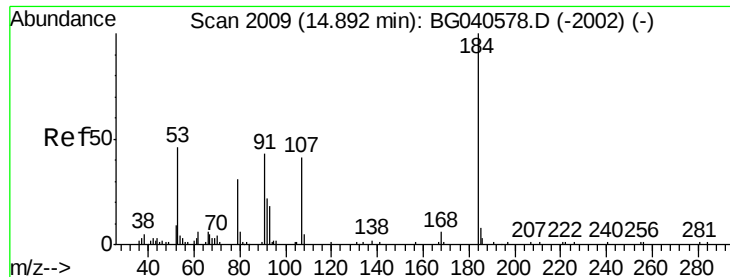
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.4	44.2
170	24.5	19.9	29.9



#51
2,6-Dinitrotoluene
Concen: 7.828 ng
RT: 14.77 min Scan# 1988
Delta R.T. 0.40 min
Lab File: BG040772.D
Acq: 7 May 2019 16:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.7	61.0	91.4#
89	3.6	58.6	87.8#

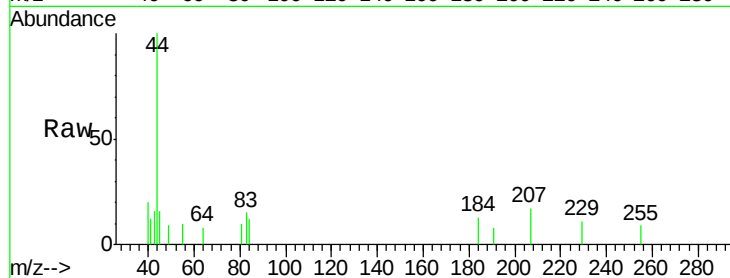




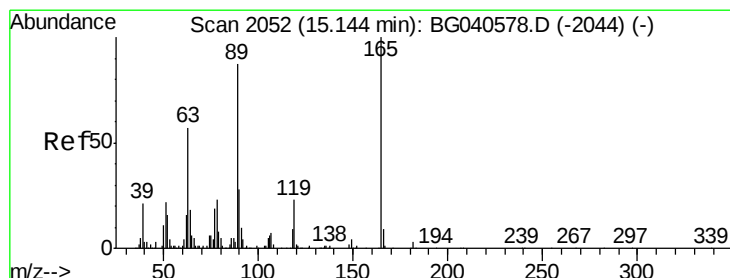
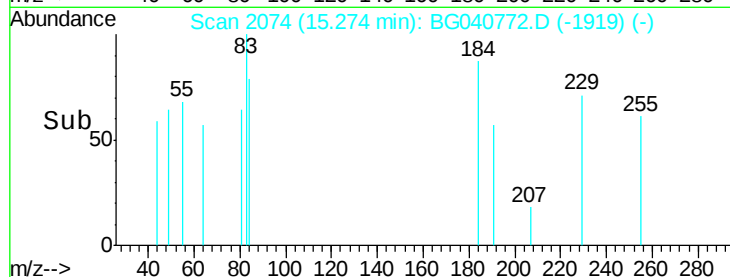
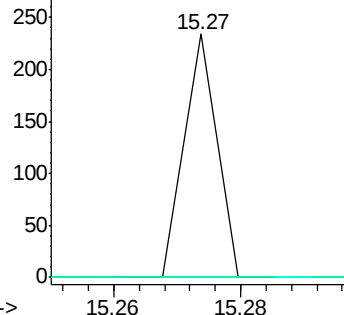
#54
2,4-Dinitrophenol
Concen: 7.072 ng
RT: 15.27 min Scan# 2074
Delta R.T. 0.38 min
Lab File: BG040772.D
Acq: 7 May 2019 16:36

Instrument :
BNA_G
ClientSampleId :
SSSI-0502-S-TCLP-10

Tot Ion:184 Resp: 82
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#

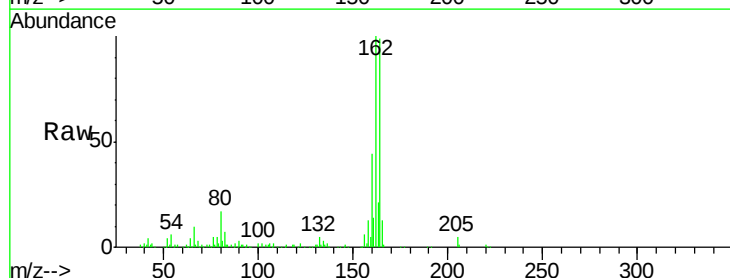


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

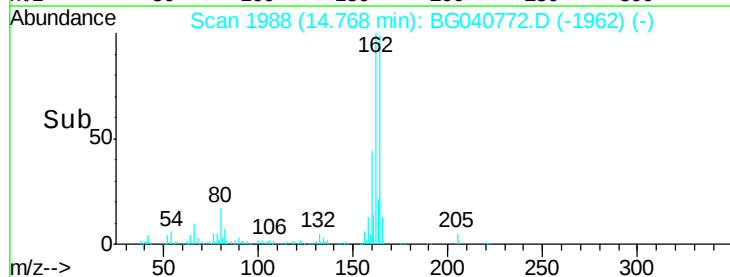
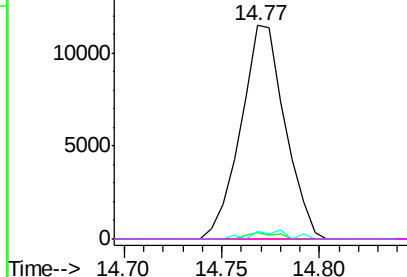


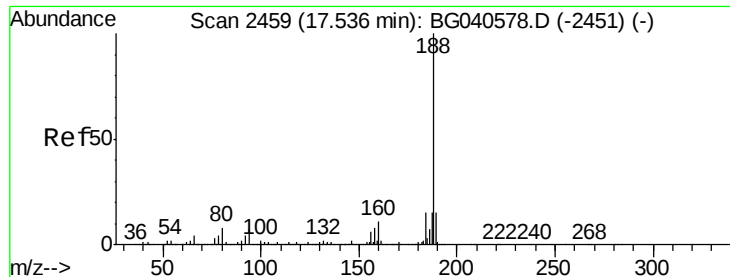
#57
2,4-Dinitrotoluene
Concen: 5.761 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.38 min
Lab File: BG040772.D
Acq: 7 May 2019 16:36

Tgt Ion:165 Resp: 18020
Ion Ratio Lower Upper
165 100
63 2.7 45.8 68.8#
89 3.6 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

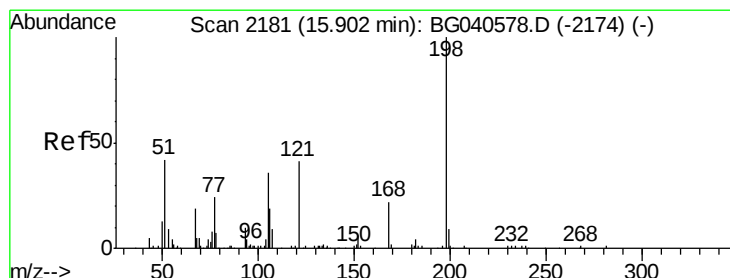
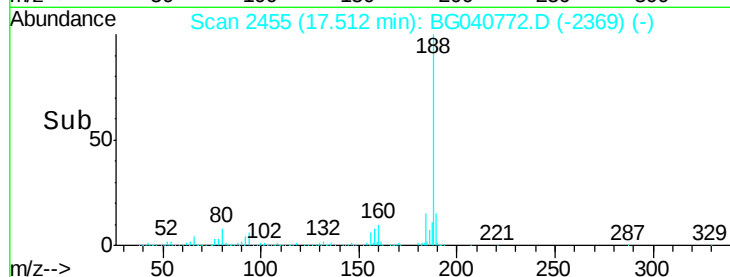
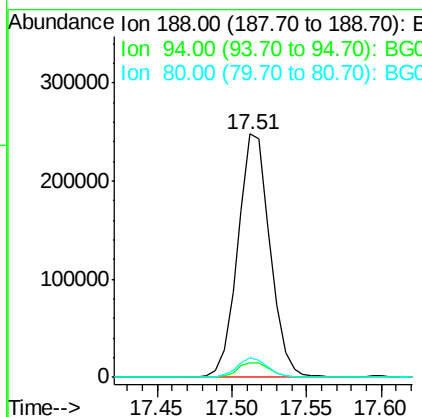
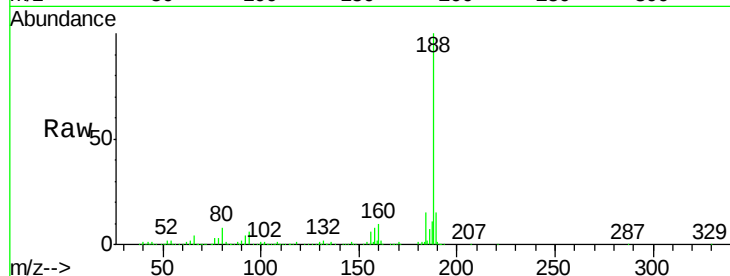




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2455
 Delta R.T. -0.02 min
 Lab File: BG040772.D
 Acq: 7 May 2019 16:36

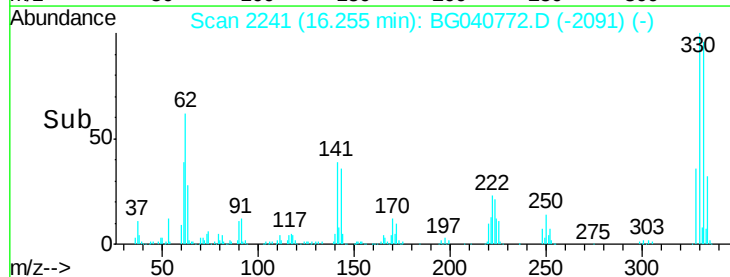
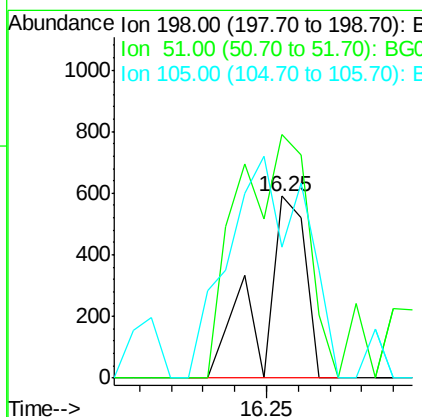
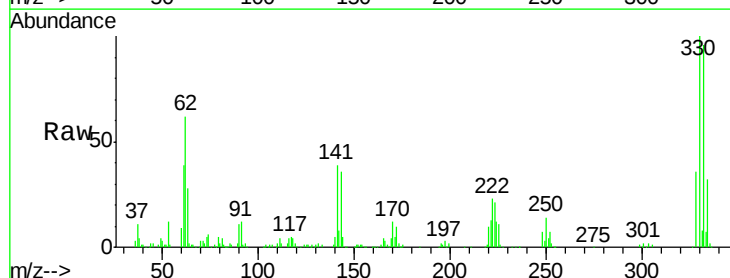
Instrument :
 BNA_G
 ClientSampleId :
 SSSI-0502-S-TCLP-10

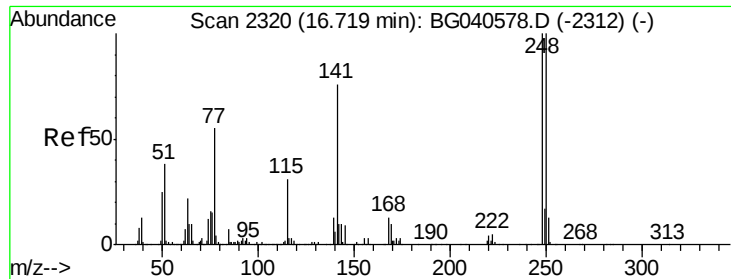
Tot Ion	188	Resp	371147
Ion Ratio	100		
Lower	5.6		
Upper	8.4		
94	5.8		
80	8.2		
6.4			
9.6			



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.364 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. 0.35 min
 Lab File: BG040772.D
 Acq: 7 May 2019 16:36

Tgt Ion	198	Resp	565
Ion Ratio	100		
Lower	35.9		
Upper	75.9#		
51	133.9		
105	72.2		
21.2			
61.2#			





#67

4-Bromophenyl-phenylether

Concen: 3.164 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.46 min

Lab File: BG040772.D

Acq: 7 May 2019 16:36

Instrument :

BNA_G

ClientSampleId :

SSSI-0502-S-TCLP-10

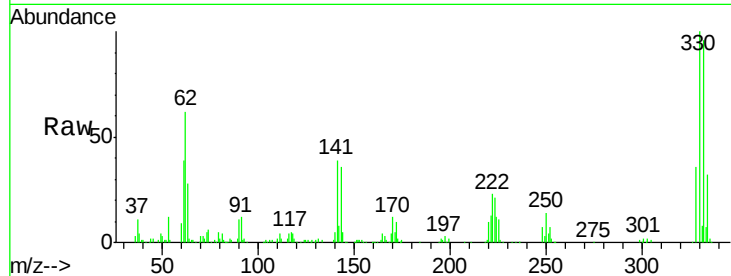
Tot Ion:248 Resp: 14629

Ion Ratio Lower Upper

248 100

250 187.1 79.8 119.6#

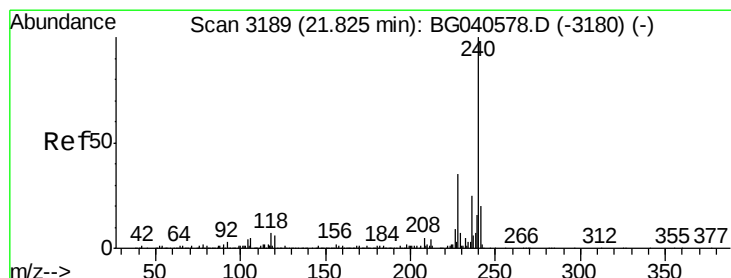
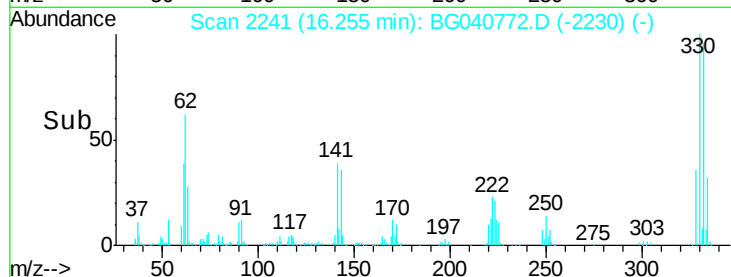
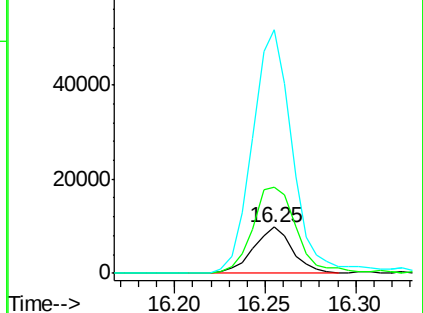
141 526.5 60.8 91.2#



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# 3184

Delta R.T. -0.03 min

Lab File: BG040772.D

Acq: 7 May 2019 16:36

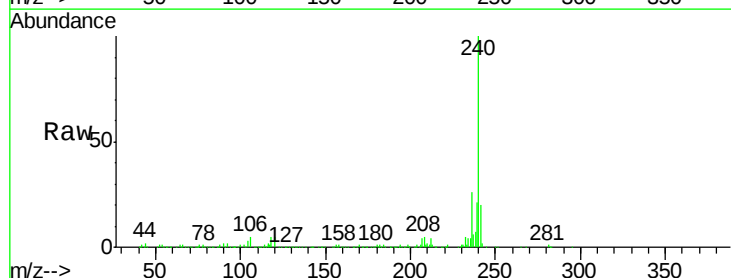
Tgt Ion:240 Resp: 375222

Ion Ratio Lower Upper

240 100

120 5.0 5.0 7.6

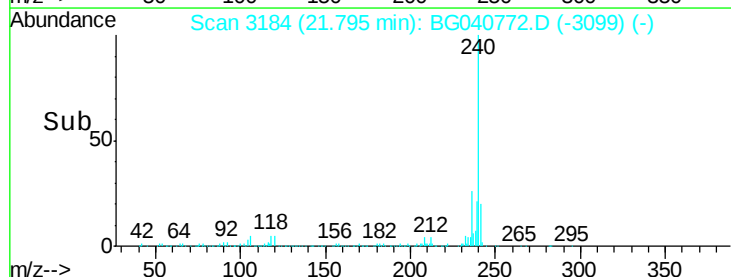
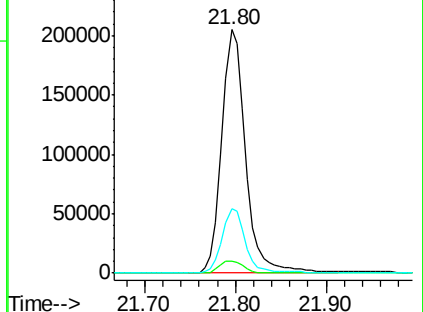
236 26.5 20.3 30.5

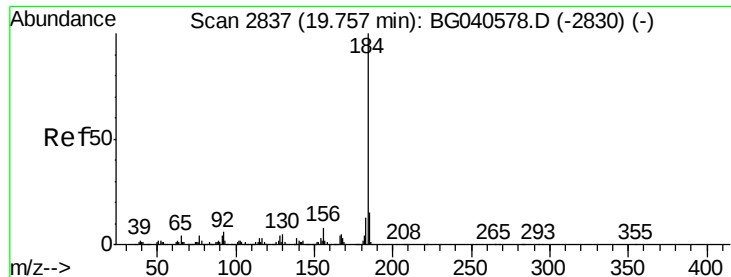


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.262 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040772.D

Acq: 7 May 2019 16:36

Instrument :

BNA_G

ClientSampleId :

SSSI-0502-S-TCLP-10

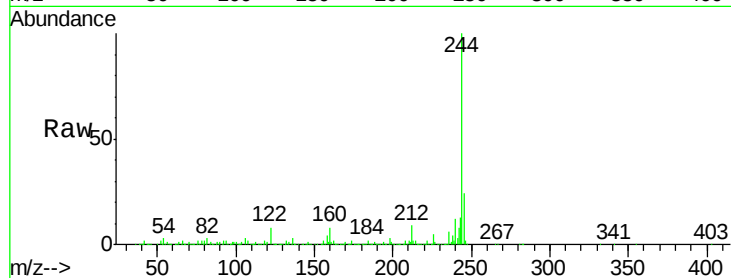
Tot Ion:184 Resp: 33517

Ion Ratio Lower Upper

184 100

185 16.0 11.8 17.8

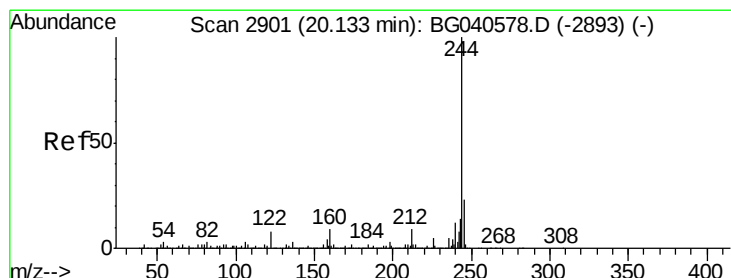
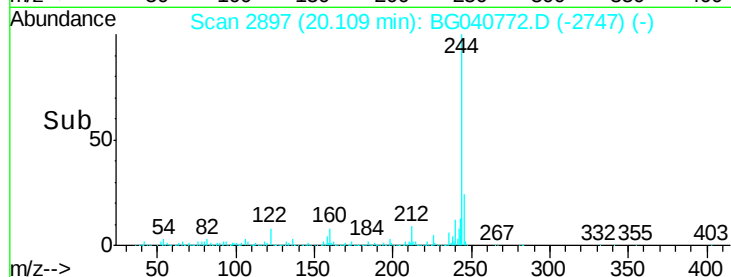
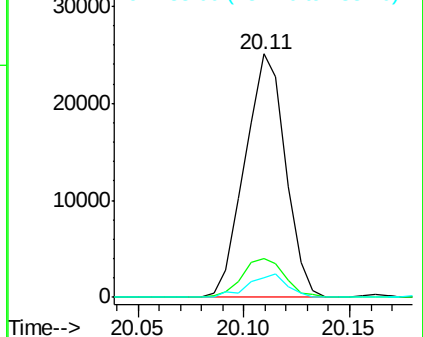
183 8.2 10.2 15.2#



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: 106.754 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040772.D

Acq: 7 May 2019 16:36

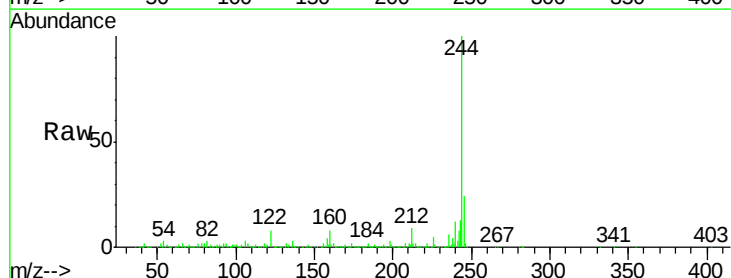
Tgt Ion:244 Resp: 1808074

Ion Ratio Lower Upper

244 100

212 9.1 7.2 10.8

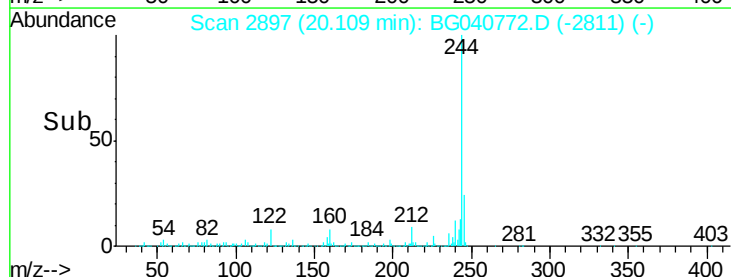
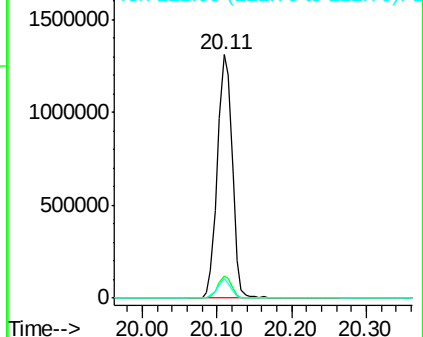
122 7.8 6.6 10.0



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: 25.15 min Scan# 3755
 Delta R.T. -0.05 min
 Lab File: BG040772.D
 Acq: 7 May 2019 16:36

Instrument :
 BNA_G
 ClientSampleId :
 SSSI-0502-S-TCLP-10

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.6	19.2	28.8
265	21.0	16.6	25.0

