

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050719\
 Data File : BG040770.D
 Acq On : 7 May 2019 15:19
 Operator : HP/JU
 Sample : K2680-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSSI-0502-S-TCLP-8

Quant Time: May 08 03:54:08 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	8.14	152	45369	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	179886	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	134215	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	368897	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	368607	20.00	ng	-0.03
87) Perylene-d12	25.15	264	305068	20.00	ng	-0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.68	112	371557	144.36	ng	0.00
7) Phenol-d6	7.28	99	491353	123.99	ng	-0.02
23) Nitrobenzene-d5	9.32	82	460703	118.34	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	288776	156.53	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	1001811	107.80	ng	-0.02
79) Terphenyl-d14	20.11	244	1931245	116.07	ng	-0.02

Target Compounds

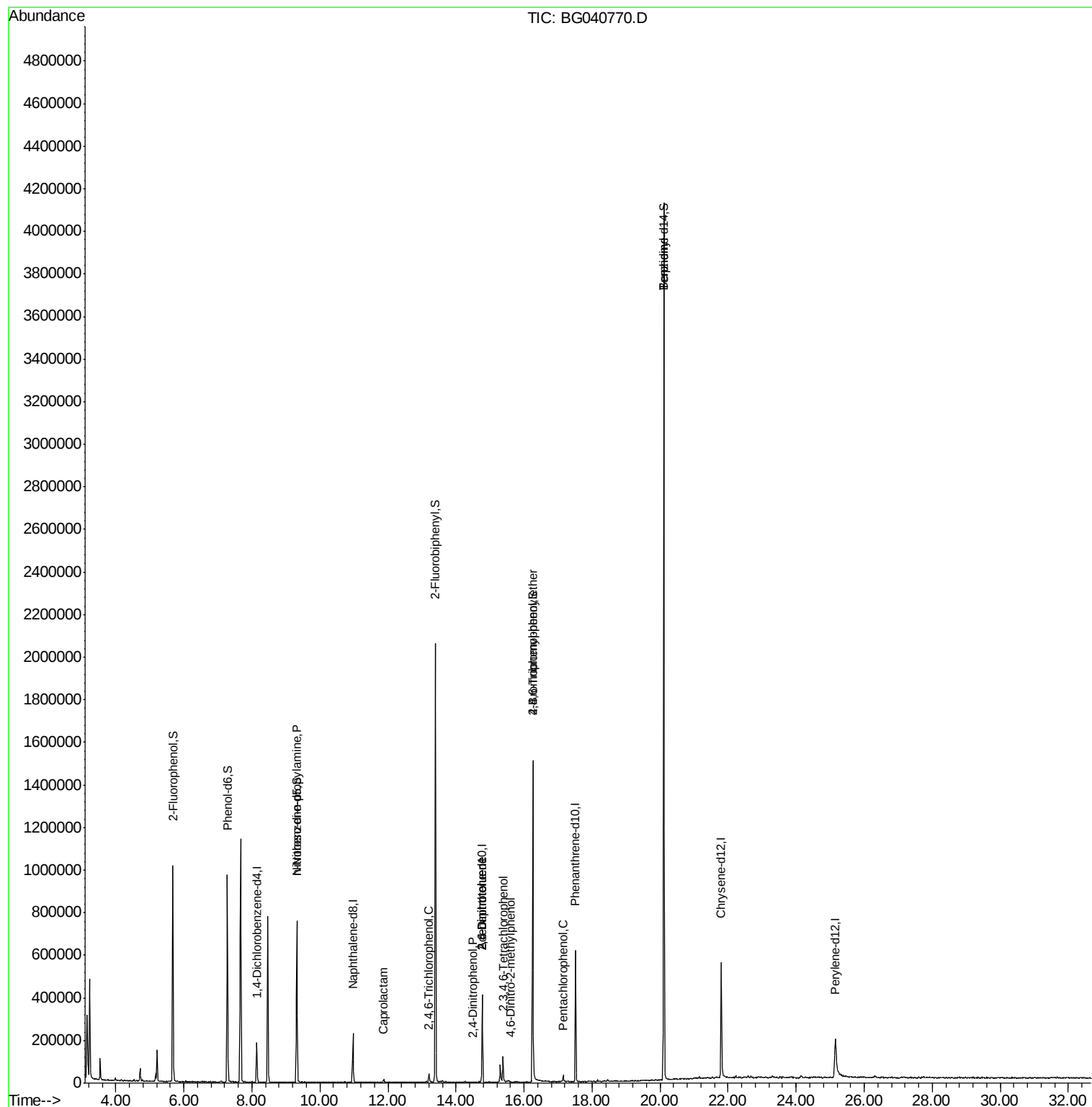
						Qvalue
9) Benzaldehyde	7.29	77	617	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.32	70	65278	18.299 ng	#	75
35) Caprolactam	11.87	113	2824	2.252 ng	#	86
43) 2,4,6-Trichlorophenol	13.20	196	10158	3.362 ng	#	90
51) 2,6-Dinitrotoluene	14.77	165	17622	8.041 ng	#	14
54) 2,4-Dinitrophenol	14.51	184	62	7.060 ng	#	21
57) 2,4-Dinitrotoluene	14.77	165	17622	5.917 ng	#	16
59) 2,3,4,6-Tetrachlorophenol	15.38	232	30936	9.338 ng	#	93
65) 4,6-Dinitro-2-methylphenol	15.59	198	85	7.141 ng	#	28
67) 4-Bromophenyl-phenylether	16.26	248	20023	4.357 ng	#	1
70) Pentachlorophenol	17.16	266	7751	2.787 ng	#	84
77) Benzidine	20.11	184	36963	3.662 ng	#	93

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

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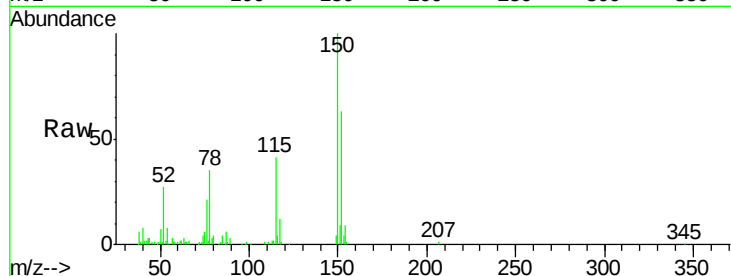


#1

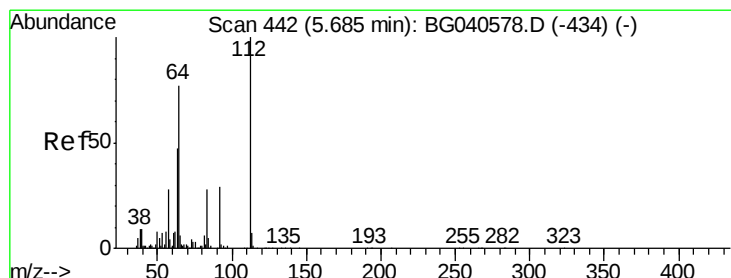
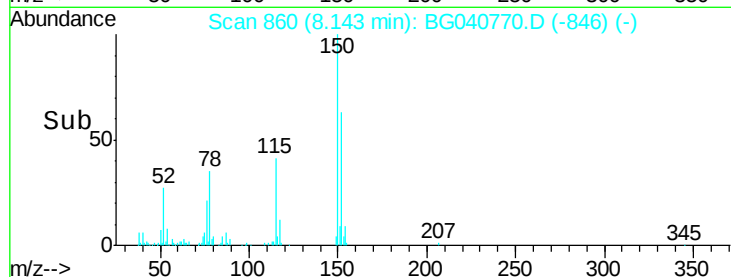
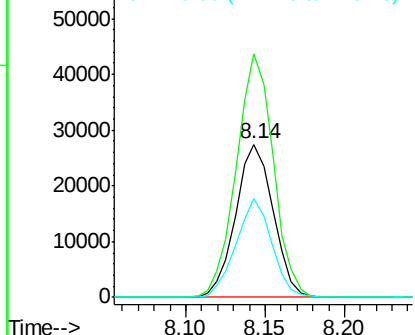
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.02 min
Lab File: BG040770.D
Acq: 7 May 2019 15:19

Instrument :
BNA_G
ClientSampleId :
SSSI-0502-S-TCLP-8

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	120.2	180.2
115	65.0	46.2	69.2



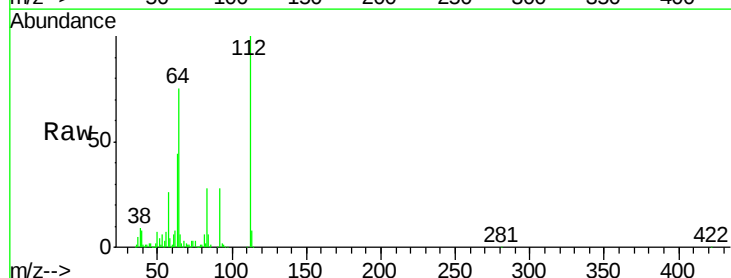
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



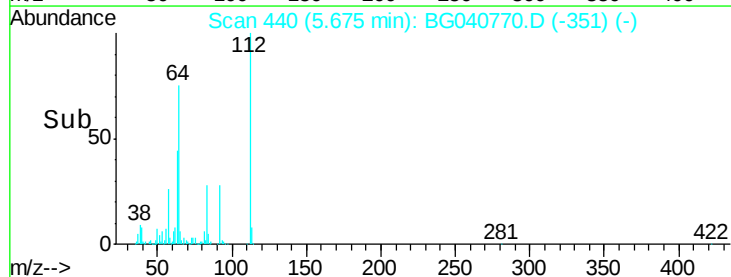
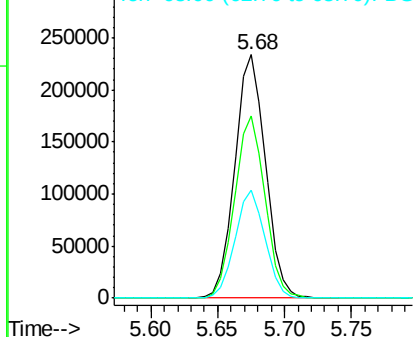
#5

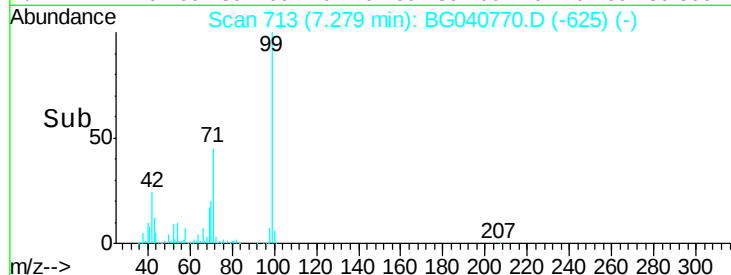
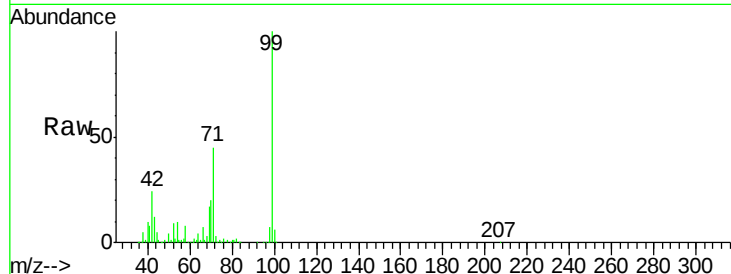
2-Fluorophenol
Concen: 144.365 ng
RT: 5.68 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040770.D
Acq: 7 May 2019 15:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.0	61.4	92.0
63	44.4	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: 123.990 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG040770.D

Acq: 7 May 2019 15:19

Instrument :

BNA_G

ClientSampleId :

SSSI-0502-S-TCLP-8

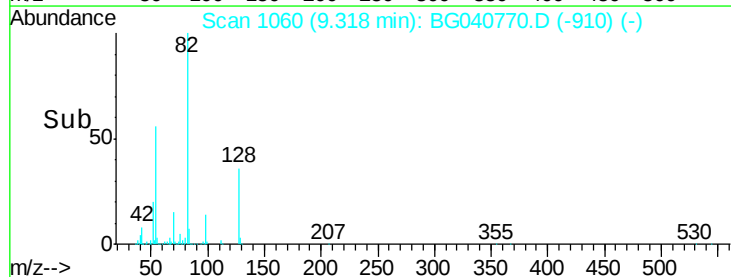
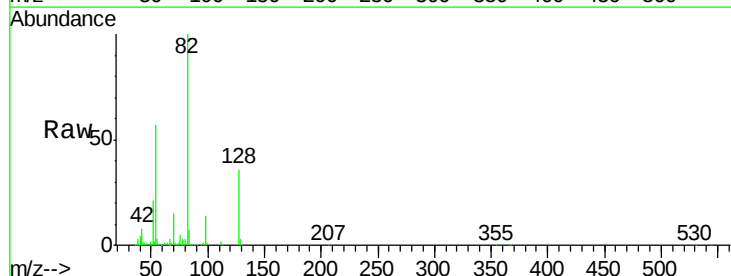
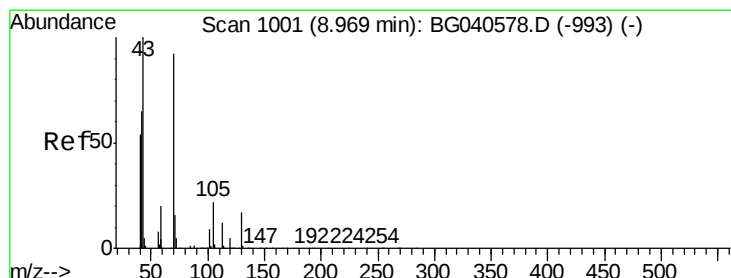
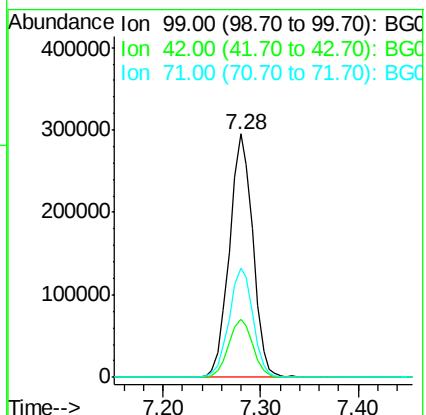
Tot Ion: 99 Resp: 491353

Ion Ratio Lower Upper

99 100

42 23.8 21.8 32.8

71 45.0 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 18.299 ng

RT: 9.32 min Scan# 1060

Delta R.T. 0.35 min

Lab File: BG040770.D

Acq: 7 May 2019 15:19

Tgt Ion: 70 Resp: 65278

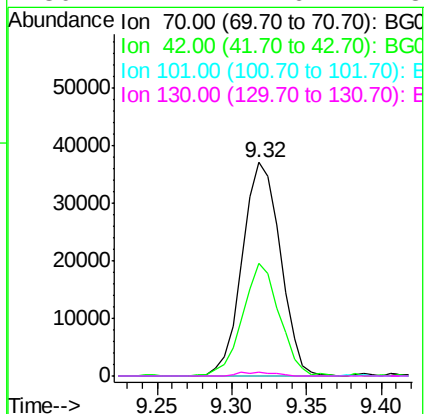
Ion Ratio Lower Upper

70 100

42 53.0 57.1 85.7#

101 0.0 7.8 11.8#

130 1.7 14.6 21.8#

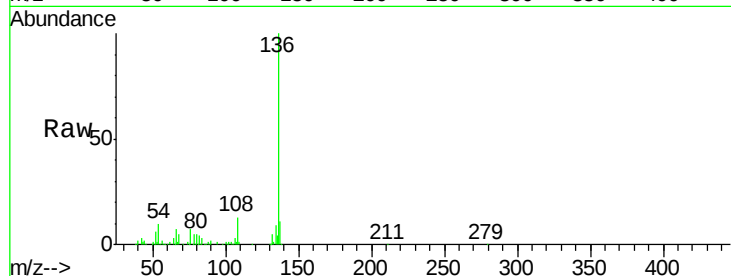




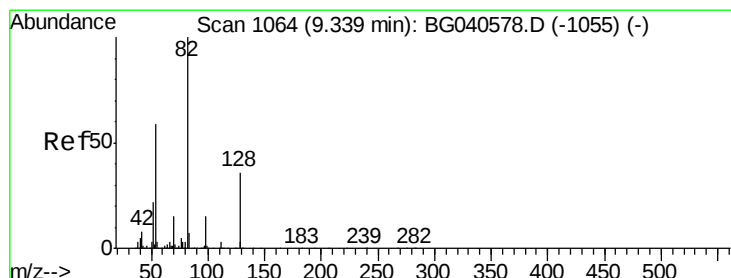
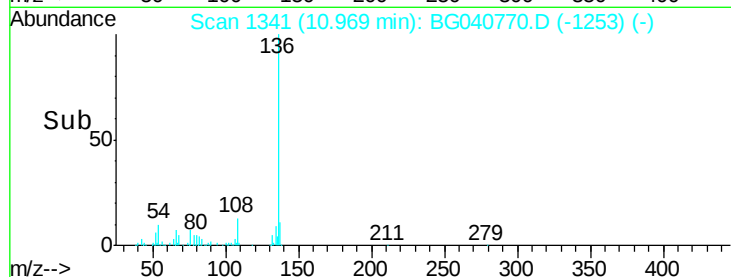
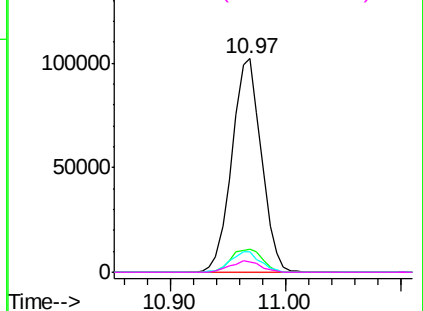
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040770.D
Acq: 7 May 2019 15:19

Instrument :
BNA_G
ClientSampleId :
SSSI-0502-S-TCLP-8

Tot Ion:136	Resp:	179886
Ion	Ratio	Lower Upper
136	100	
137	10.9	9.7 14.5
54	9.5	8.6 12.8
68	4.9	4.8 7.2

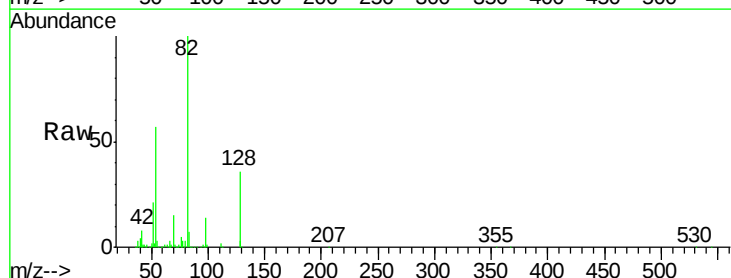


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

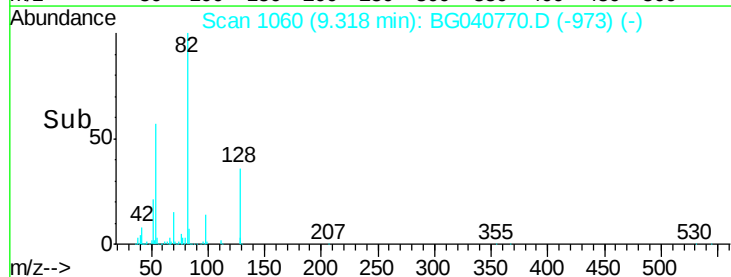
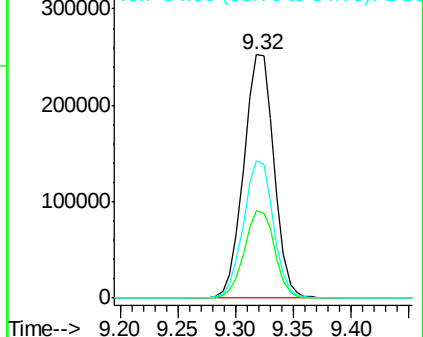


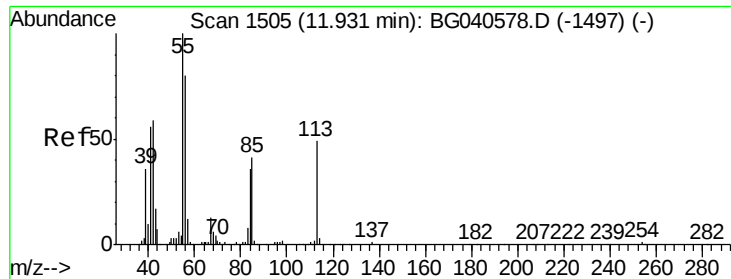
#23
Nitrobenzene-d5
Concen: 118.338 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BG040770.D
Acq: 7 May 2019 15:19

Tgt Ion: 82	Resp:	460703
Ion	Ratio	Lower Upper
82	100	
128	36.2	28.9 43.3
54	56.5	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





#35

Caprolactam

Concen: 2.252 ng

RT: 11.87 min Scan# 1494

Delta R.T. -0.06 min

Lab File: BG040770.D

Acq: 7 May 2019 15:19

Instrument :

BNA_G

ClientSampleId :

SSSI-0502-S-TCLP-8

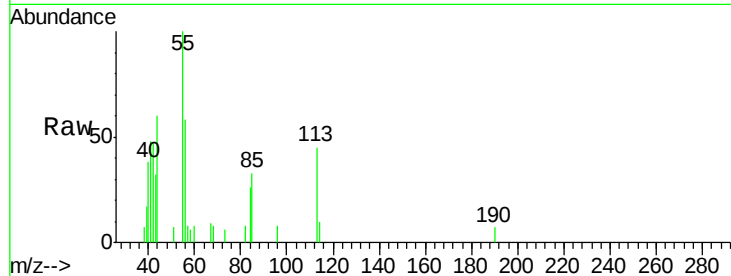
Tot Ion:113 Resp: 2824

Ion Ratio Lower Upper

113 100

55 224.6 198.6 238.6

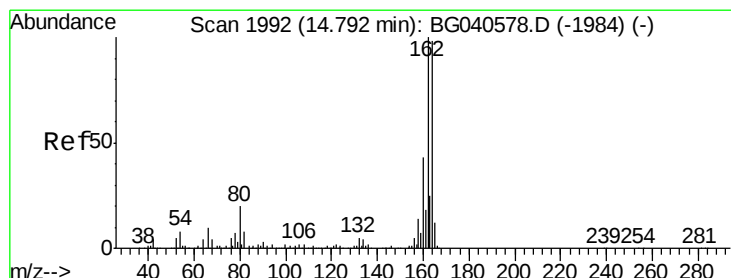
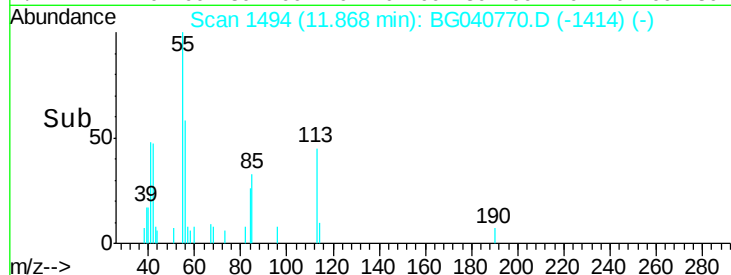
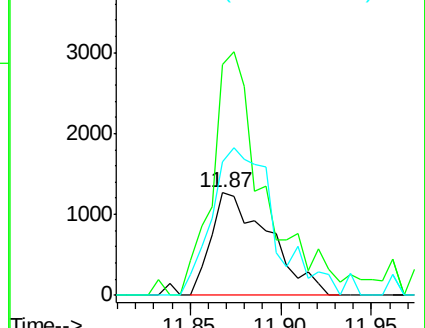
56 130.5 148.4 188.4#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040770.D

Acq: 7 May 2019 15:19

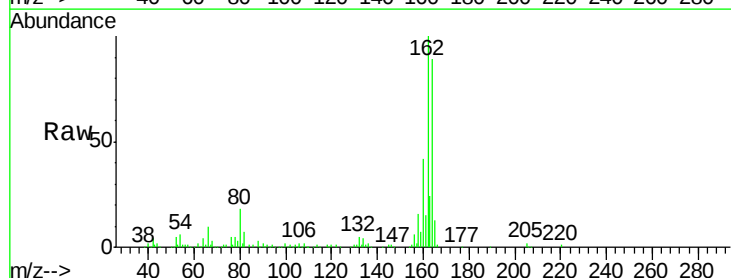
Tgt Ion:164 Resp: 134215

Ion Ratio Lower Upper

164 100

162 112.1 81.9 122.9

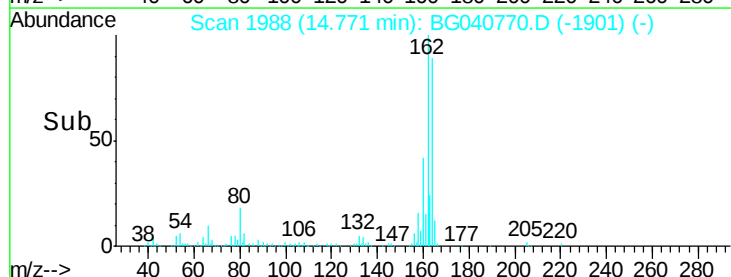
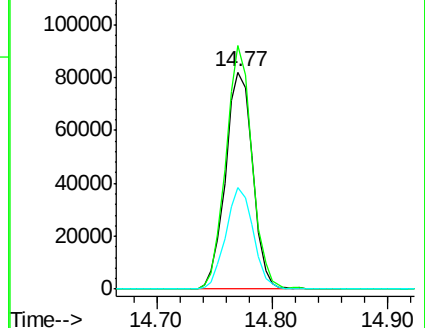
160 46.7 35.4 53.2

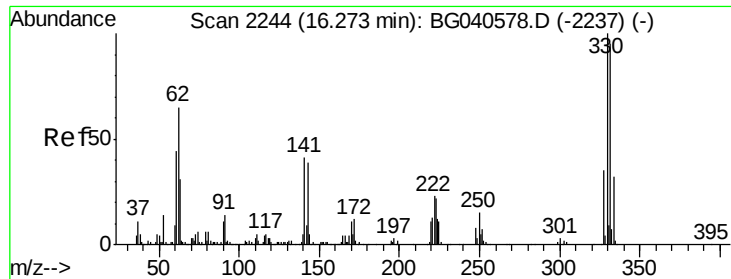


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

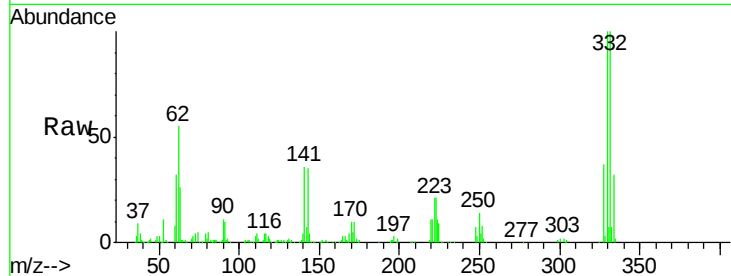




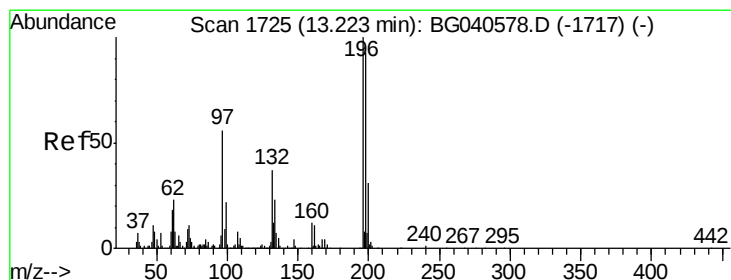
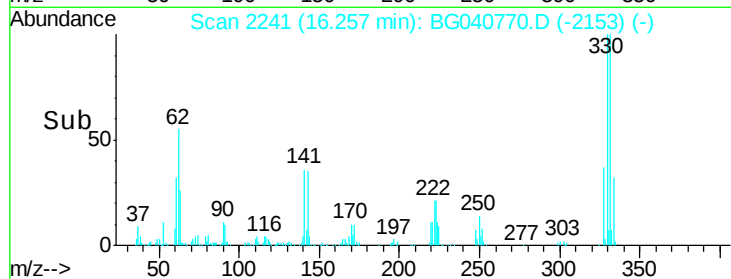
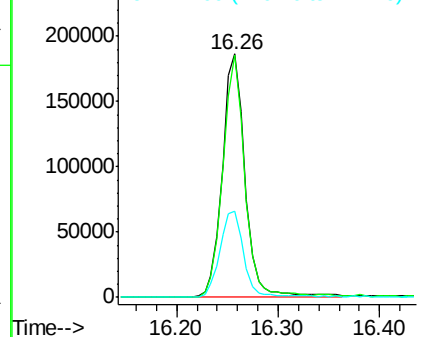
#42
 2,4,6-Tribromophenol
 Concen: 156.534 ng
 RT: 16.26 min Scan# 2241
 Delta R.T. -0.02 min
 Lab File: BG040770.D
 Acq: 7 May 2019 15:19

Instrument :
 BNA_G
 ClientSampleId :
 SSSI-0502-S-TCLP-8

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	75.9	113.9
141	37.2	32.4	48.6

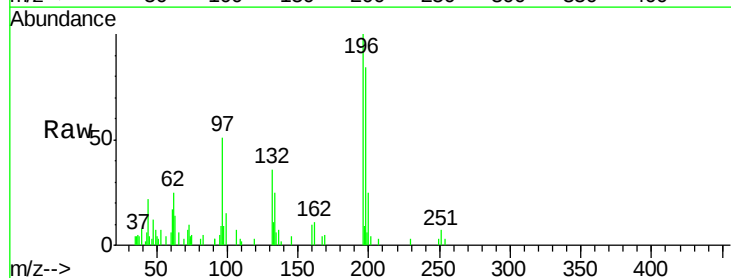


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

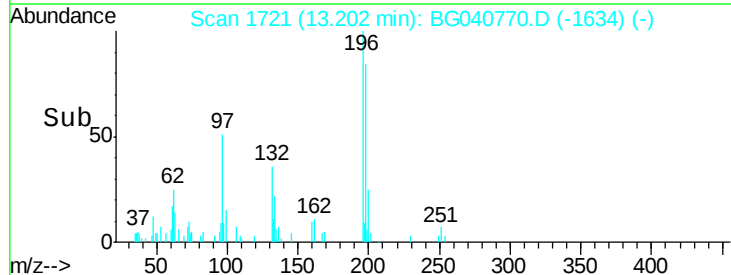
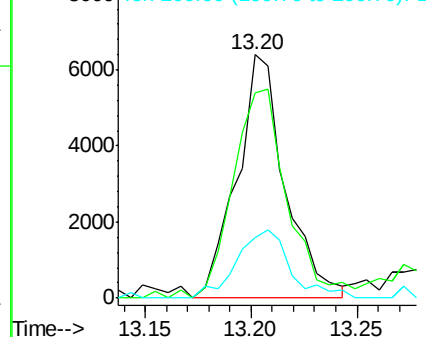


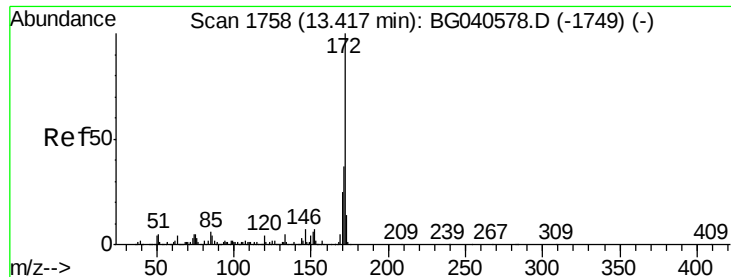
#43
 2,4,6-Trichlorophenol
 Concen: 3.362 ng
 RT: 13.20 min Scan# 1721
 Delta R.T. -0.02 min
 Lab File: BG040770.D
 Acq: 7 May 2019 15:19

Tgt Ion	Ratio	Lower	Upper
196	100		
198	84.3	74.8	112.2
200	24.7	24.9	37.3#



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





#45

2-Fluorobiphenyl

Concen: 107.798 ng

RT: 13.40 min Scan# 1754

Delta R.T. -0.02 min

Lab File: BG040770.D

Acq: 7 May 2019 15:19

Instrument :

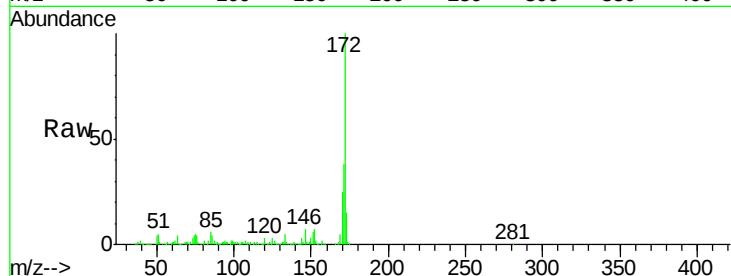
BNA_G

ClientSampleId :

SSSI-0502-S-TCLP-8

Tot Ion:172 Resp: 1001811

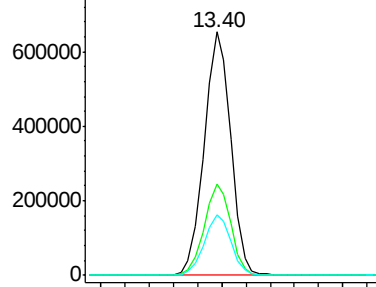
Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.4	44.2
170	25.1	19.9	29.9



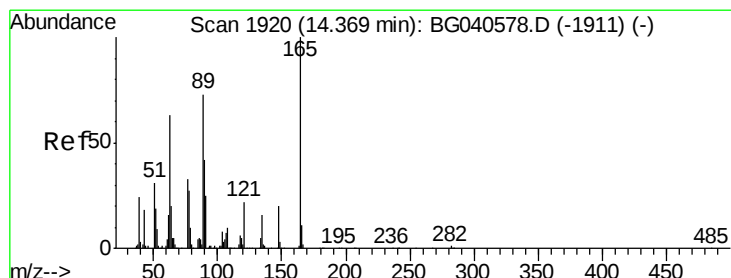
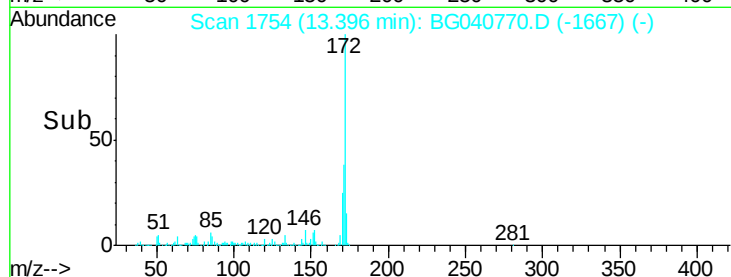
Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time--> 13.30 13.40 13.50



#51

2,6-Dinitrotoluene

Concen: 8.041 ng

RT: 14.77 min Scan# 1988

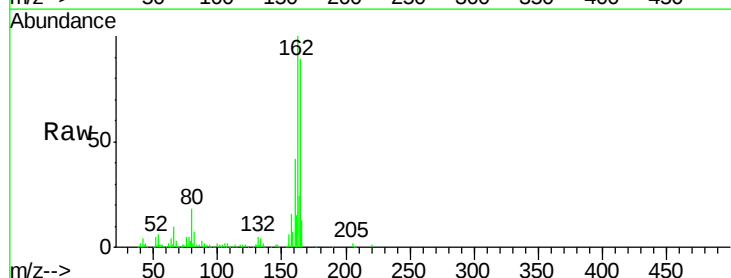
Delta R.T. 0.40 min

Lab File: BG040770.D

Acq: 7 May 2019 15:19

Tgt Ion:165 Resp: 17622

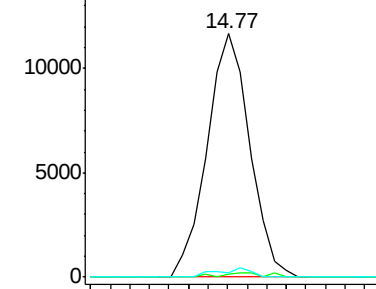
Ion	Ratio	Lower	Upper
165	100		
63	1.5	61.0	91.4#
89	1.5	58.6	87.8#



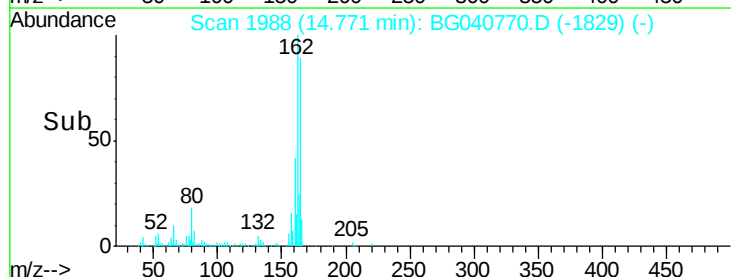
Abundance Ion 165.00 (164.70 to 165.70): E

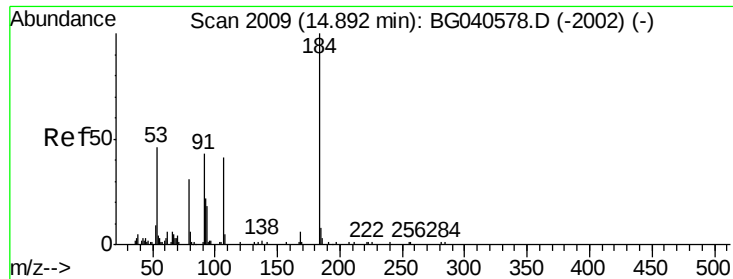
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



Time--> 14.70 14.75 14.80

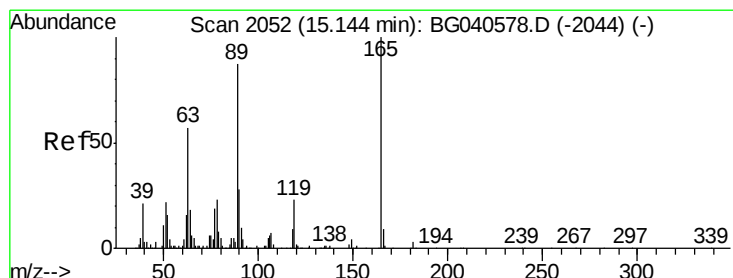
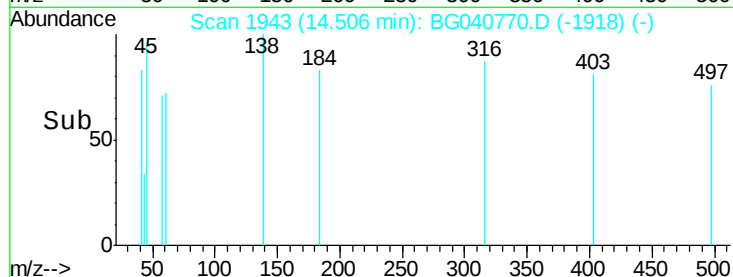
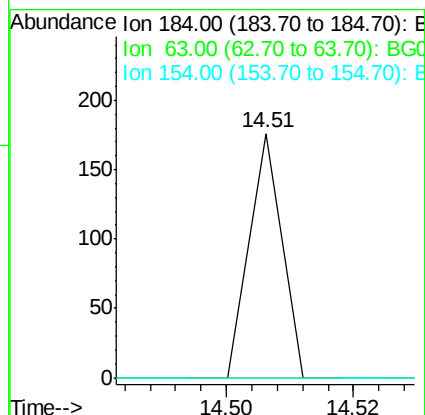
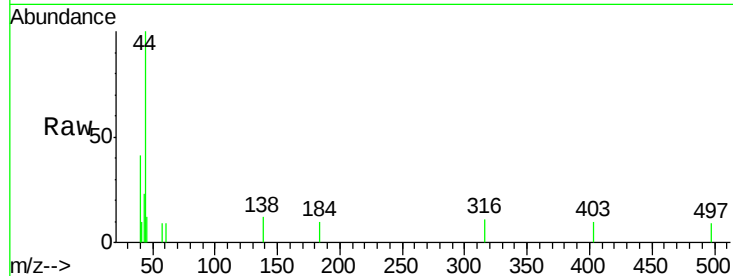




#54
2,4-Dinitrophenol
Concen: 7.060 ng
RT: 14.51 min Scan# 1943
Delta R.T. -0.38 min
Lab File: BG040770.D
Acq: 7 May 2019 15:19

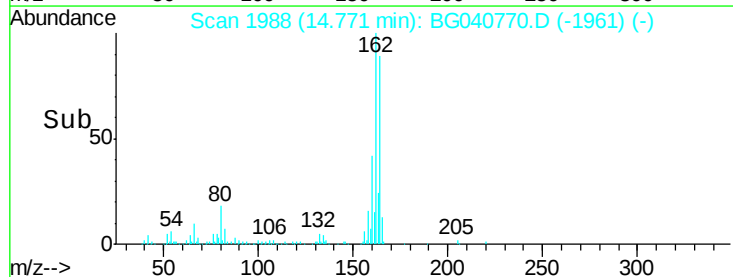
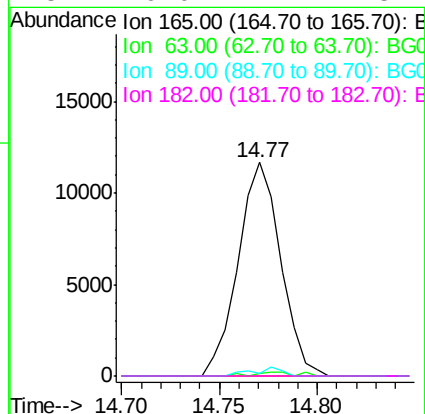
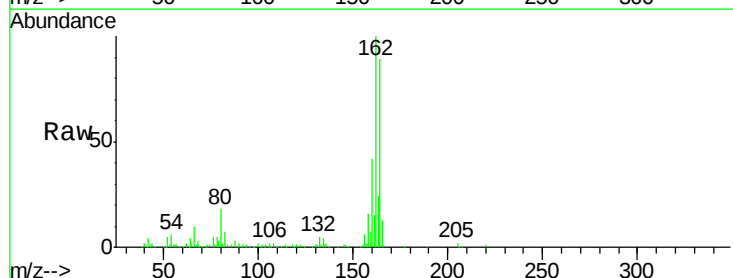
Instrument :
BNA_G
ClientSampleId :
SSSI-0502-S-TCLP-8

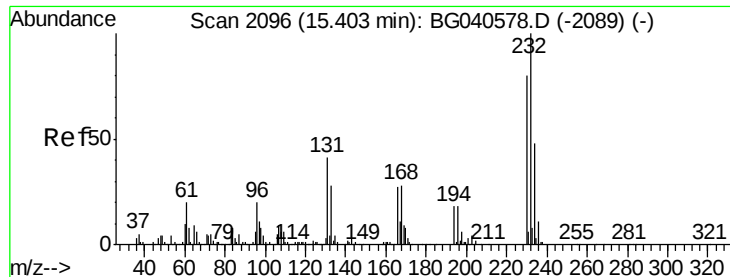
Tot Ion:184 Resp: 62
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 5.917 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.37 min
Lab File: BG040770.D
Acq: 7 May 2019 15:19

Tgt Ion:165 Resp: 17622
Ion Ratio Lower Upper
165 100
63 1.5 45.8 68.8#
89 1.5 69.4 104.2#
182 0.0 2.2 3.4#

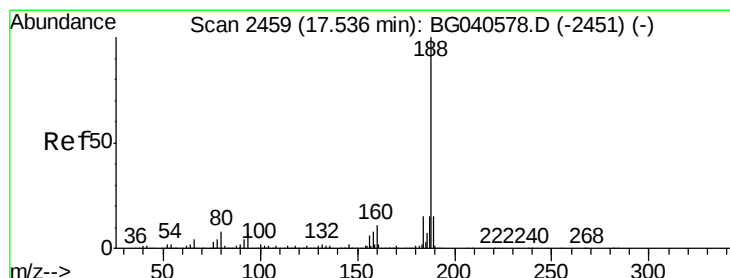
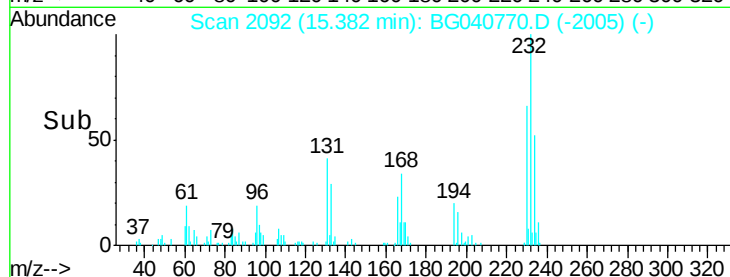
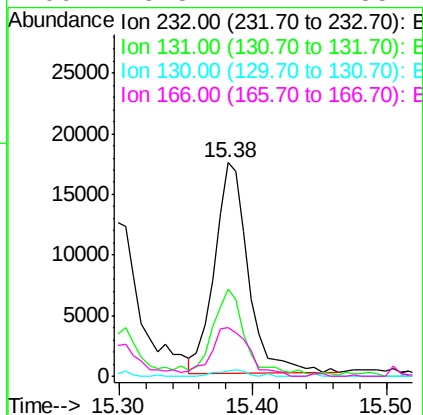
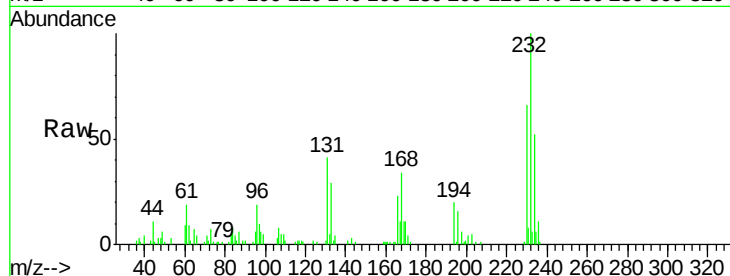




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 9.338 ng
 RT: 15.38 min Scan# 2092
 Delta R.T. -0.02 min
 Lab File: BG040770.D
 Acq: 7 May 2019 15:19

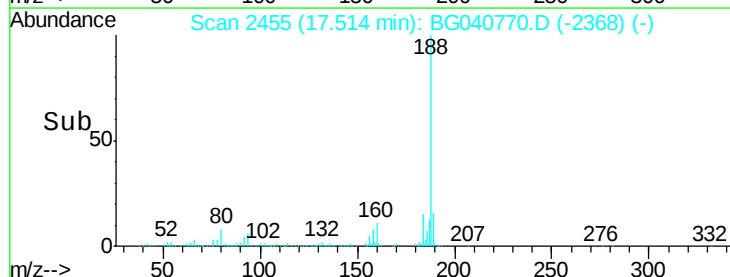
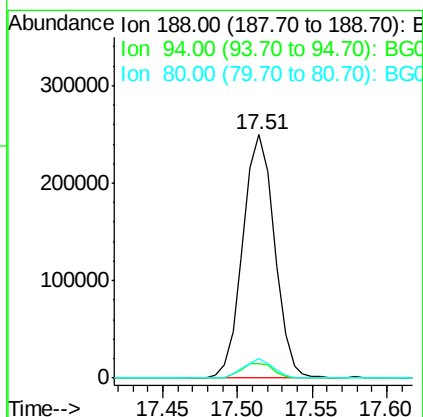
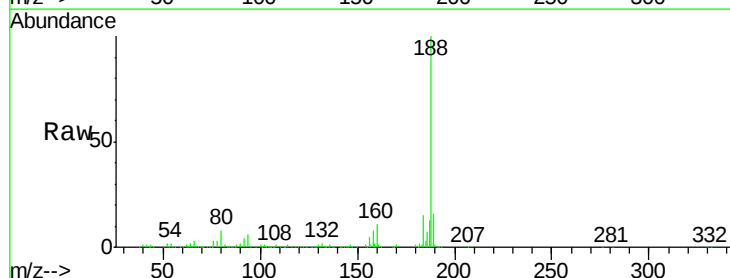
Instrument :
 BNA_G
 ClientSampleId :
 SSSI-0502-S-TCLP-8

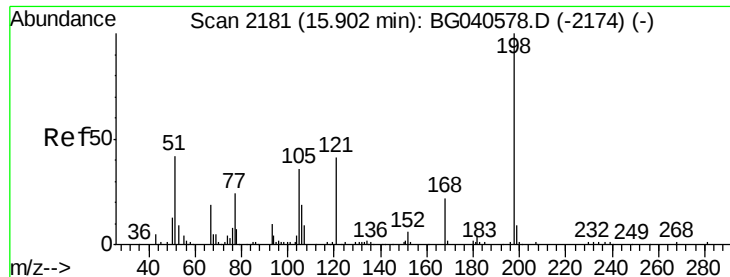
Tot Ion:232	Resp:	30936
Ion	Ratio	Lower Upper
232	100	
131	35.6	33.0 49.4
130	2.5	2.0 3.0
166	25.8	22.1 33.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2455
 Delta R.T. -0.02 min
 Lab File: BG040770.D
 Acq: 7 May 2019 15:19

Tgt Ion:188	Resp:	368897
Ion	Ratio	Lower Upper
188	100	
94	6.2	5.6 8.4
80	7.8	6.4 9.6

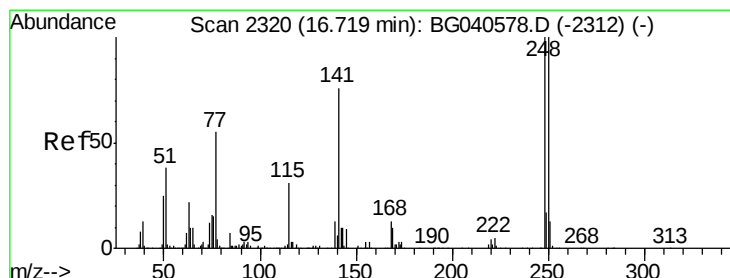
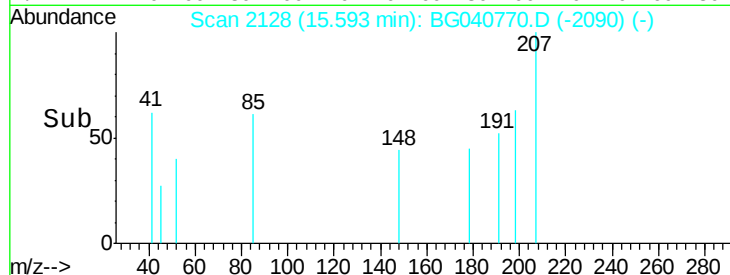
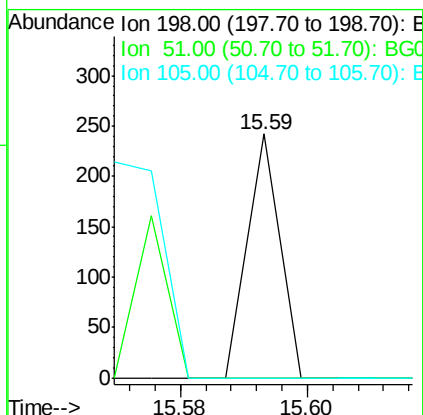
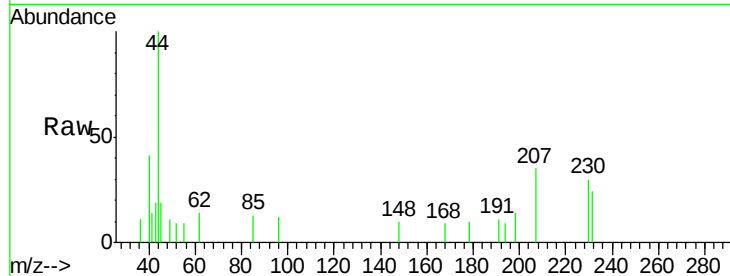




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.141 ng
 RT: 15.59 min Scan# 2128
 Delta R.T. -0.31 min
 Lab File: BG040770.D
 Acq: 7 May 2019 15:19

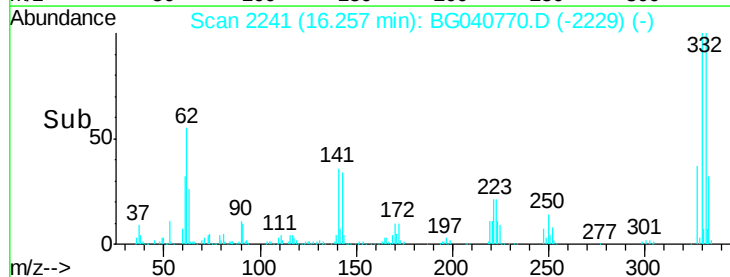
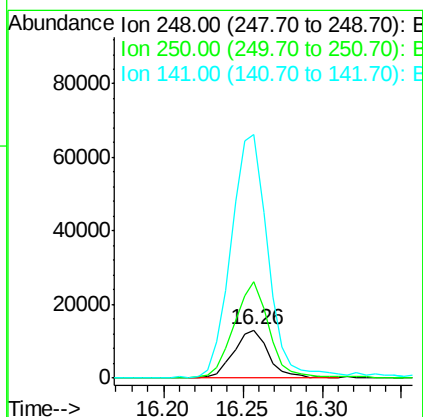
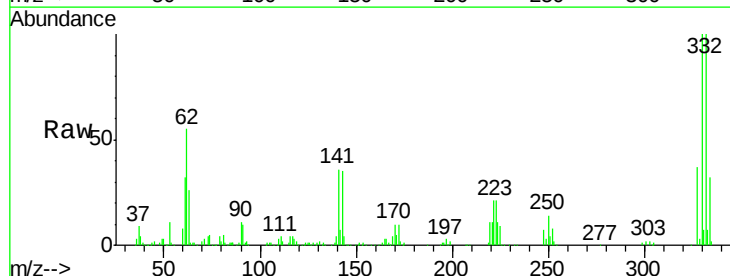
Instrument :
 BNA_G
 ClientSampleId :
 SSSI-0502-S-TCLP-8

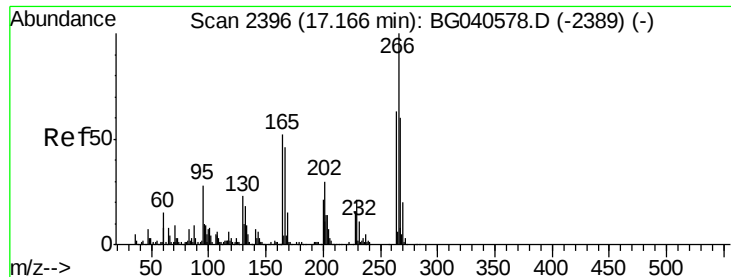
Tot Ion:198 Resp: 85
 Ion Ratio Lower Upper
 198 100
 51 0.0 35.9 75.9#
 105 0.0 21.2 61.2#



#67
 4-Bromophenyl-phenylether
 Concen: 4.357 ng
 RT: 16.26 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040770.D
 Acq: 7 May 2019 15:19

Tgt Ion:248 Resp: 20023
 Ion Ratio Lower Upper
 248 100
 250 199.0 79.8 119.6#
 141 503.7 60.8 91.2#





#70

Pentachlorophenol

Concen: 2.787 ng

RT: 17.16 min Scan# 2394

Delta R.T. -0.01 min

Lab File: BG040770.D

Acq: 7 May 2019 15:19

Instrument :

BNA_G

ClientSampleId :

SSSI-0502-S-TCLP-8

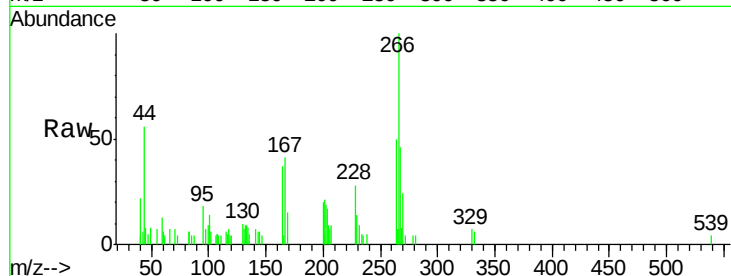
Tot Ion:266 Resp: 7751

Ion Ratio Lower Upper

266 100

268 46.0 52.3 78.5#

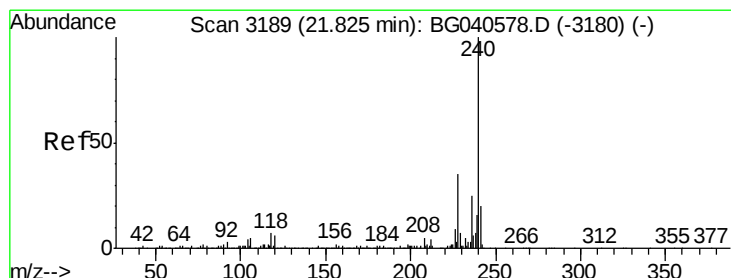
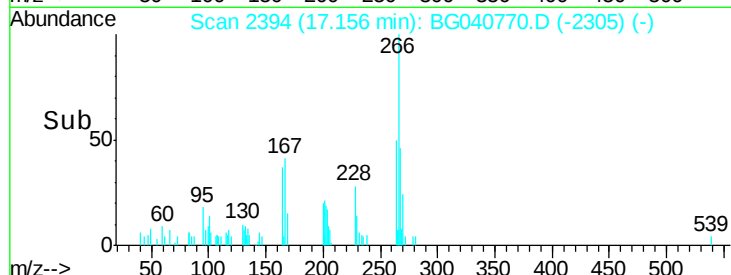
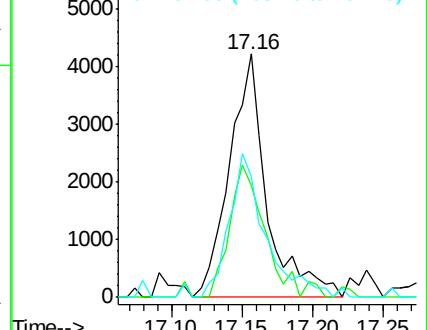
264 56.3 50.0 75.0



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.80 min Scan# 3184

Delta R.T. -0.03 min

Lab File: BG040770.D

Acq: 7 May 2019 15:19

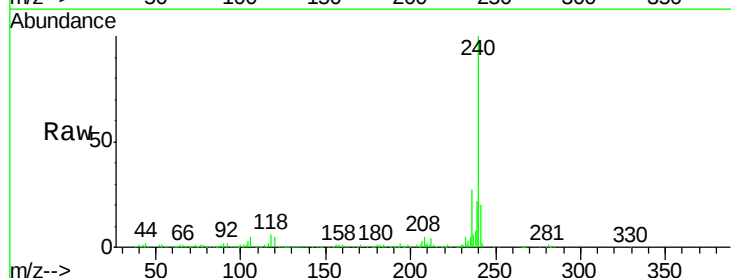
Tgt Ion:240 Resp: 368607

Ion Ratio Lower Upper

240 100

120 5.3 5.0 7.6

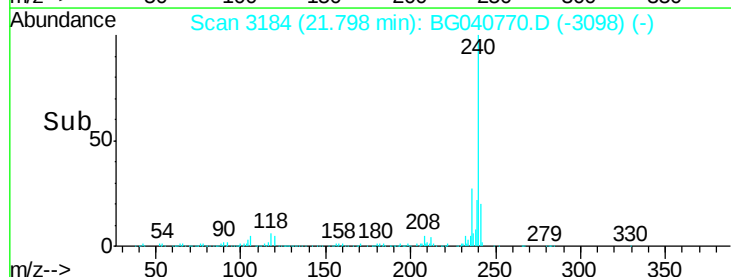
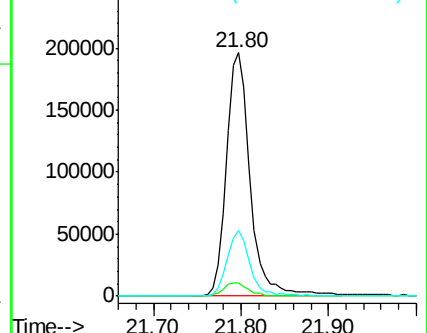
236 27.0 20.3 30.5

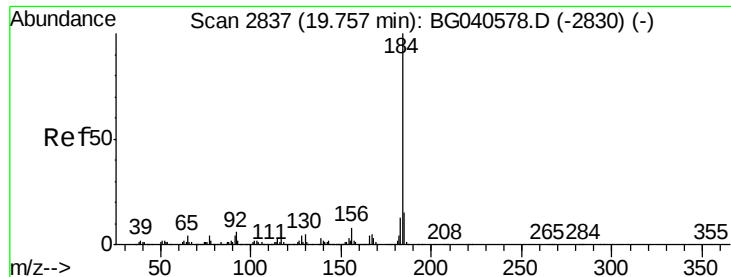


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.662 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040770.D

Acq: 7 May 2019 15:19

Instrument :

BNA_G

ClientSampleId :

SSSI-0502-S-TCLP-8

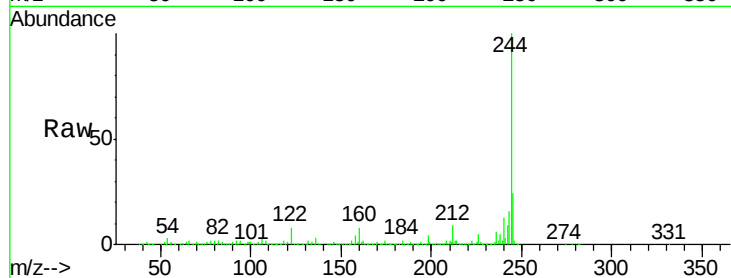
Tot Ion:184 Resp: 36963

Ion Ratio Lower Upper

184 100

185 17.8 11.8 17.8#

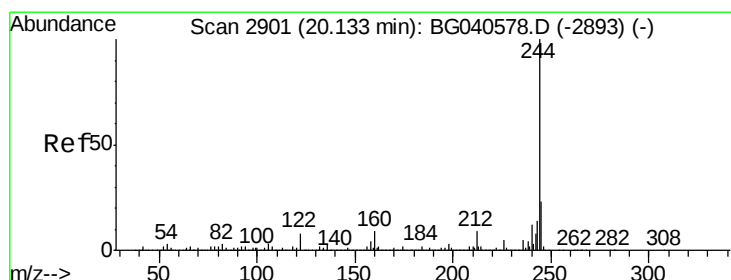
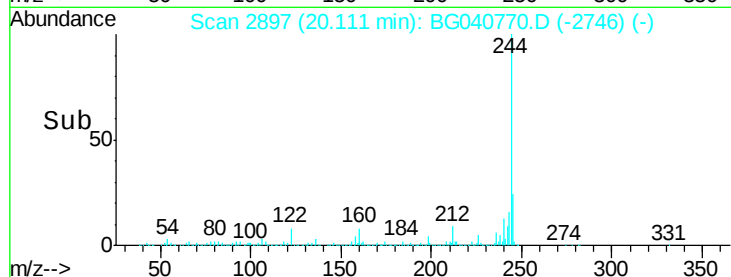
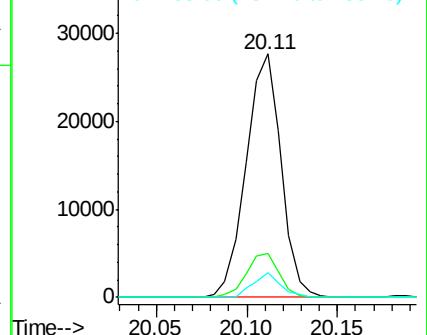
183 9.9 10.2 15.2#



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: 116.073 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040770.D

Acq: 7 May 2019 15:19

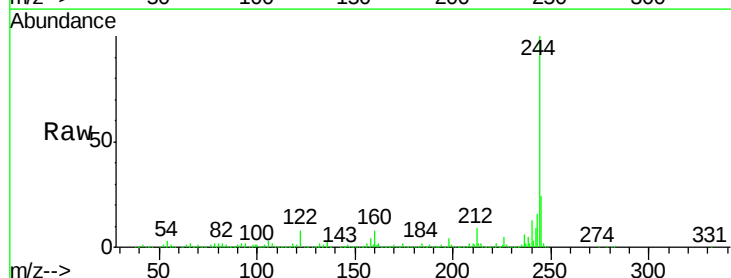
Tgt Ion:244 Resp: 1931245

Ion Ratio Lower Upper

244 100

212 9.5 7.2 10.8

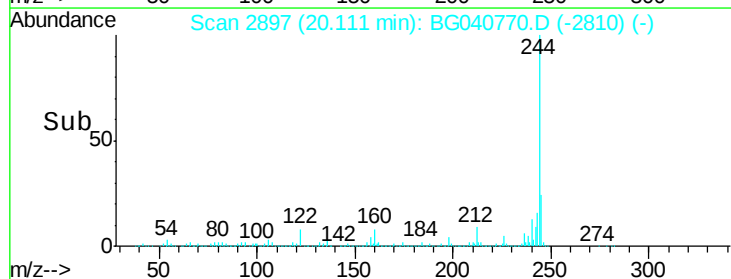
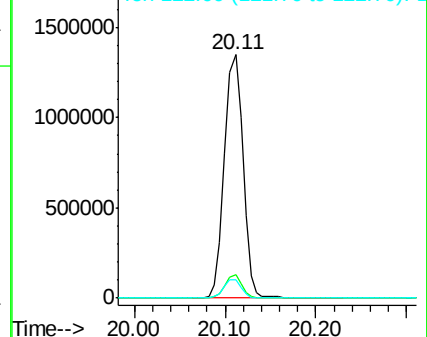
122 7.7 6.6 10.0

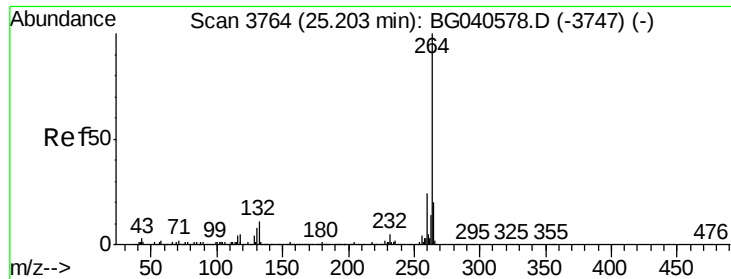


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG040770.D
Acq: 7 May 2019 15:19

Instrument :
BNA_G
ClientSampleId :
SSSI-0502-S-TCLP-8

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	20.4	16.6	25.0

