

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011719\
 Data File : BG039209.D
 Acq On : 18 Jan 2019 7:43
 Operator : JU/SJ
 Sample : K1159-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSSI-0115-S-TCLP-7

Quant Time: Jan 18 08:19:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 18 04:20:14 2019
 Response via : Initial Calibration

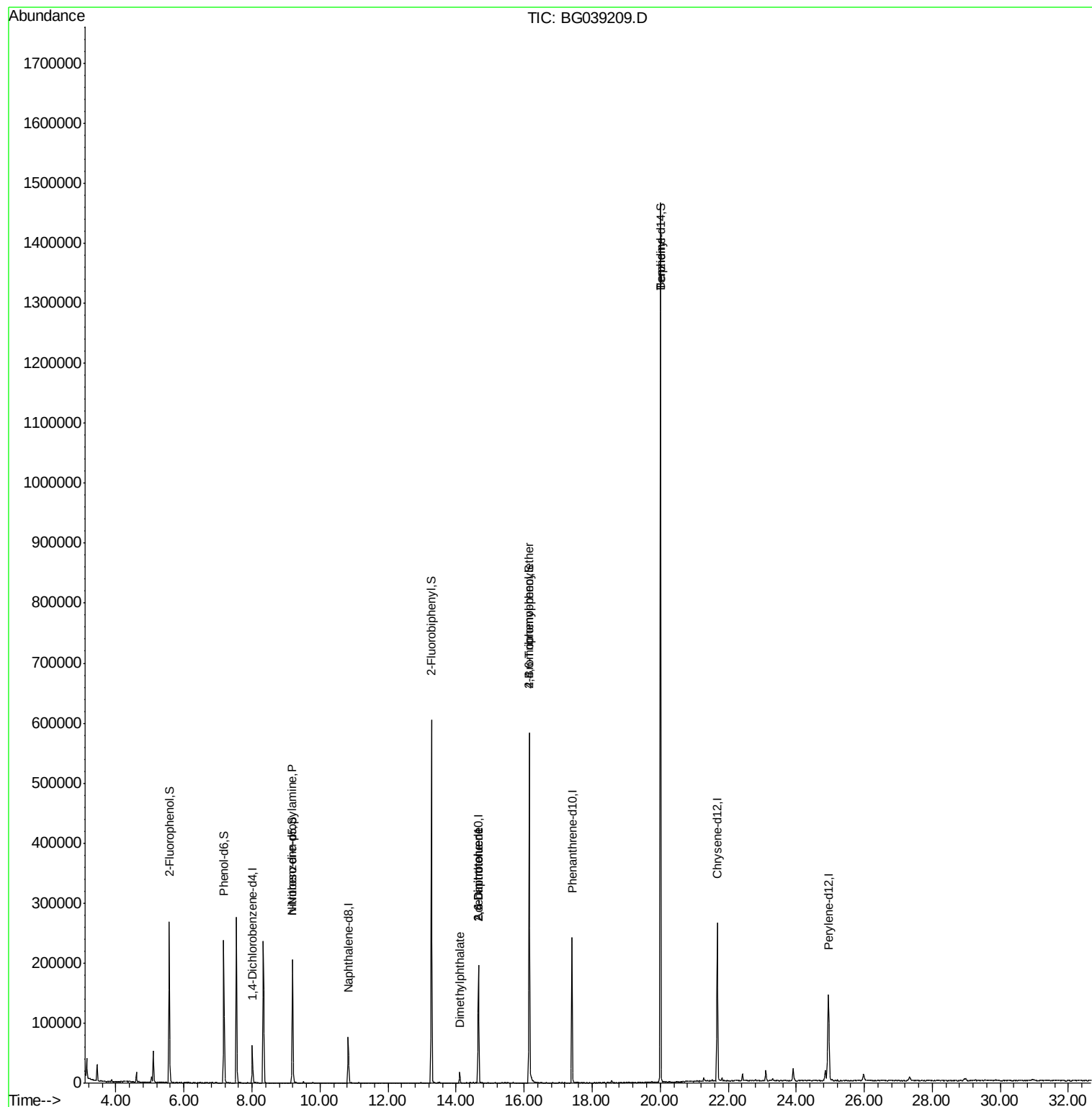
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	18857	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	75074	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	70297	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	162307	20.00	ng	0.00
76) Chrysene-d12	21.68	240	171948	20.00	ng	0.00
87) Perylene-d12	24.94	264	187215	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	120958	121.68	ng	0.00
7) Phenol-d6	7.17	99	142715	99.76	ng	0.00
23) Nitrobenzene-d5	9.19	82	126147	91.95	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	127723	108.39	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	335454	65.31	ng	0.00
79) Terphenyl-d14	20.01	244	741417	79.76	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	16318	17.370	ng	Qvalue # 69
50) Dimethylphthalate	14.10	163	16315	2.746	ng	97
51) 2,6-Dinitrotoluene	14.66	165	8981	6.762	ng	# 24
57) 2,4-Dinitrotoluene	14.66	165	8981	4.713	ng	# 26
67) 4-Bromophenyl-phenylether	16.15	248	8898	4.265	ng	# 1
77) Benzidine	20.01	184	11719	2.228	ng	# 90

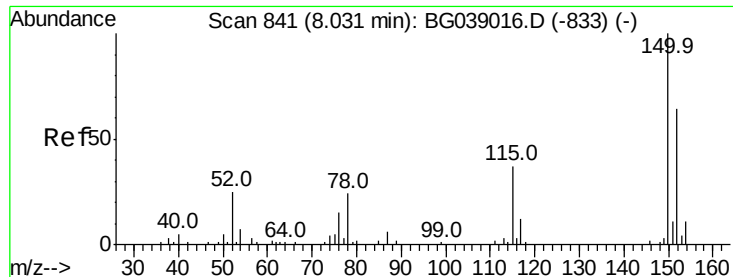
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.02 min Scan# 839

Delta R.T. 0.00 min

Lab File: BG039209.D

Acq: 18 Jan 2019 7:43

Instrument :

BNA_G

ClientSampleId :

SSSI-0115-S-TCLP-7

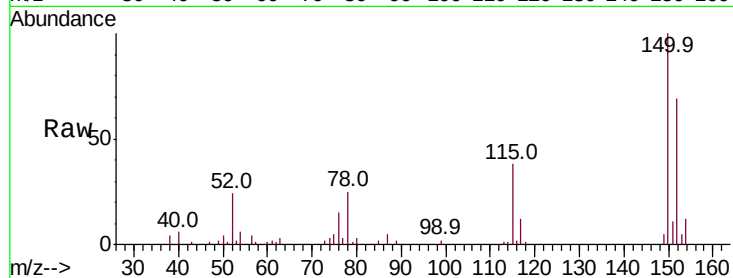
Tot Ion:152 Resp: 18857

Ion Ratio Lower Upper

152 100

150 144.2 124.7 187.1

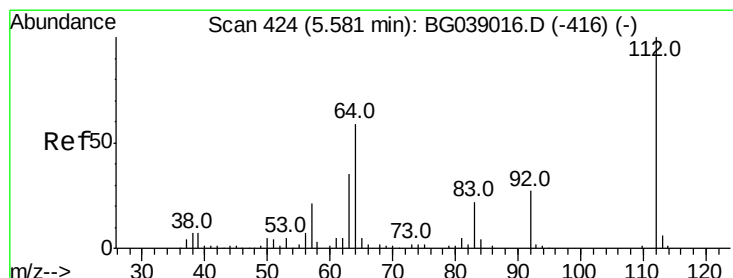
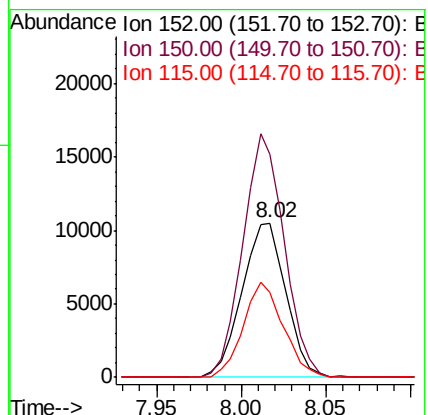
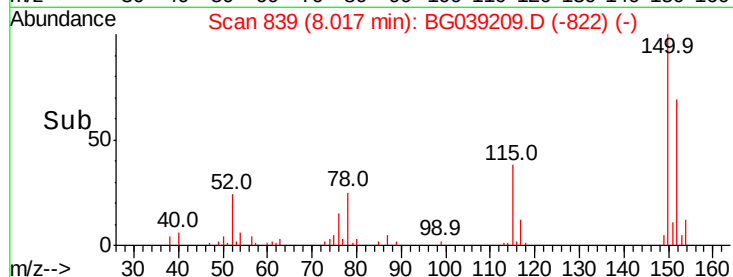
115 55.0 46.5 69.7



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: 121.682 ng

RT: 5.57 min Scan# 422

Delta R.T. 0.00 min

Lab File: BG039209.D

Acq: 18 Jan 2019 7:43

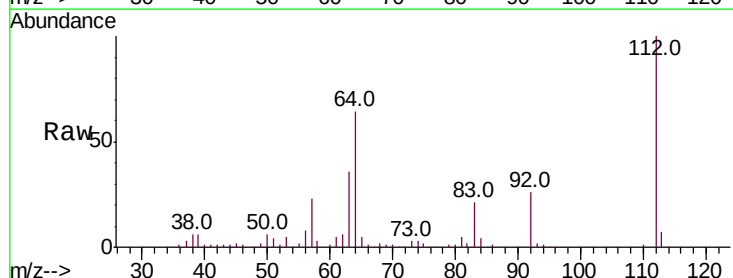
Tgt Ion:112 Resp: 120958

Ion Ratio Lower Upper

112 100

64 63.7 47.0 70.6

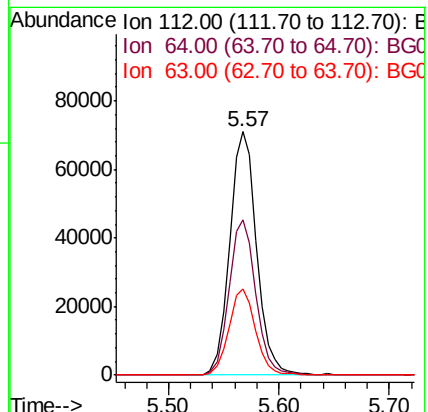
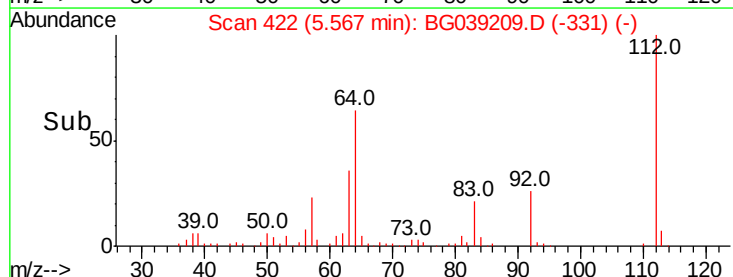
63 35.7 28.0 42.0

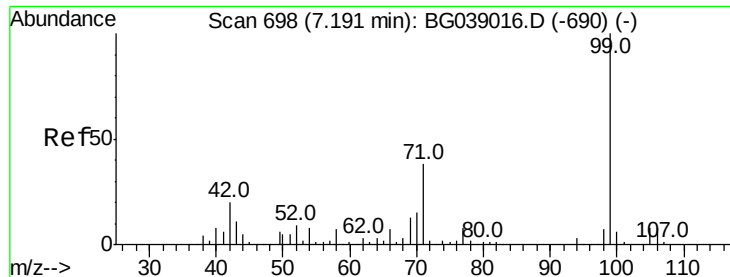


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 99.761 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG039209.D

Acq: 18 Jan 2019 7:43

Instrument :

BNA_G

ClientSampleId :

SSSI-0115-S-TCLP-7

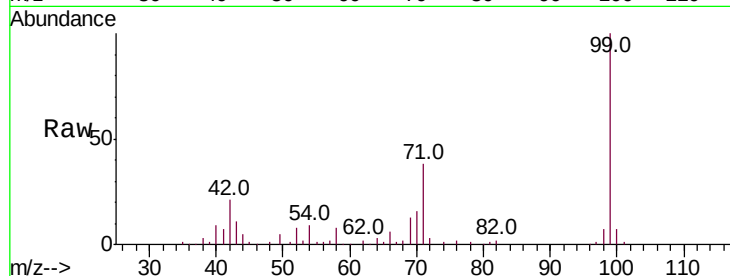
Tot Ion: 99 Resp: 142715

Ion Ratio Lower Upper

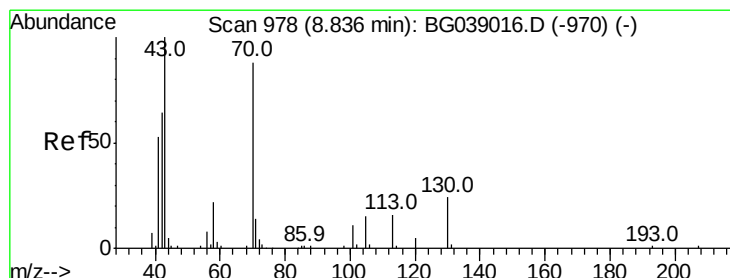
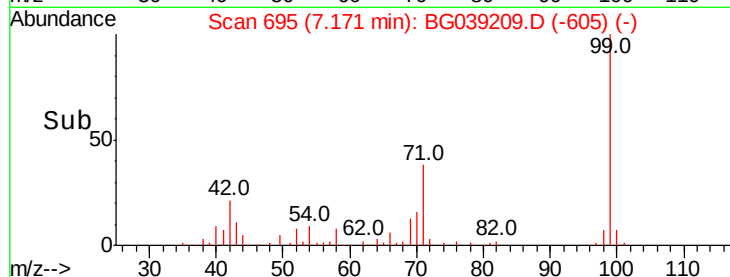
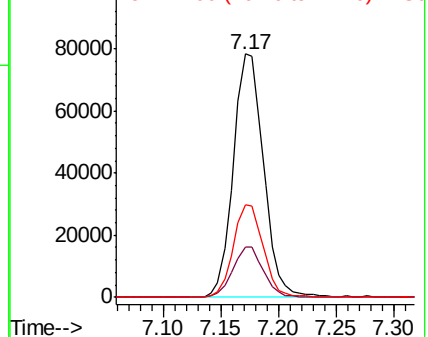
99 100

42 20.9 15.8 23.6

71 38.1 30.2 45.4



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: 17.370 ng

RT: 9.19 min Scan# 1039

Delta R.T. 0.37 min

Lab File: BG039209.D

Acq: 18 Jan 2019 7:43

Tgt Ion: 70 Resp: 16318

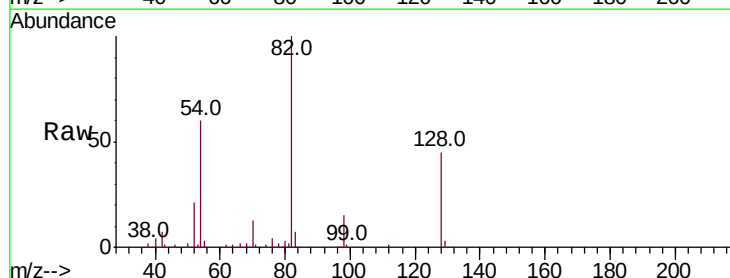
Ion Ratio Lower Upper

70 100

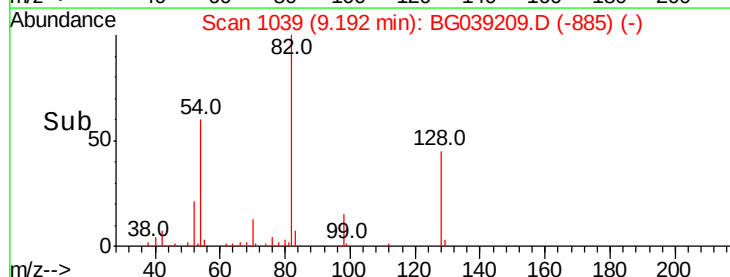
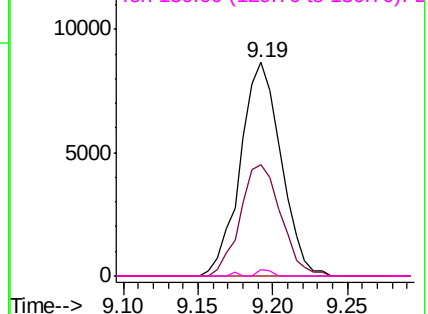
42 51.9 59.0 88.4#

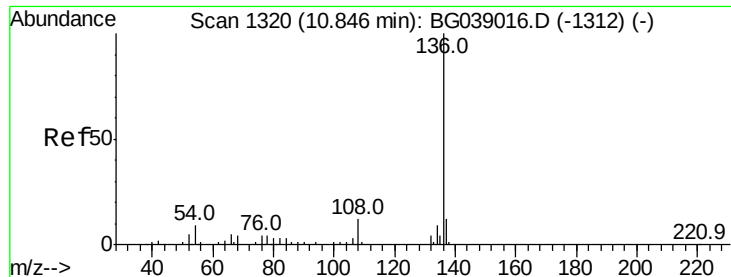
101 0.0 10.4 15.6#

130 3.0 21.6 32.4#



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

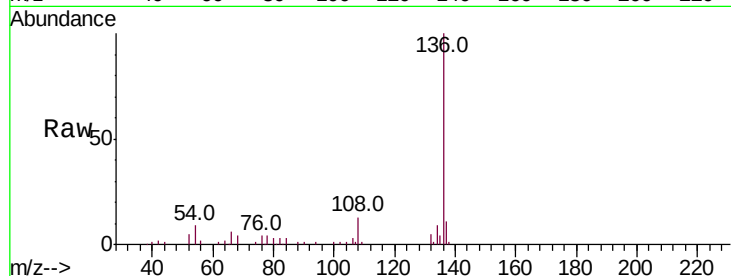




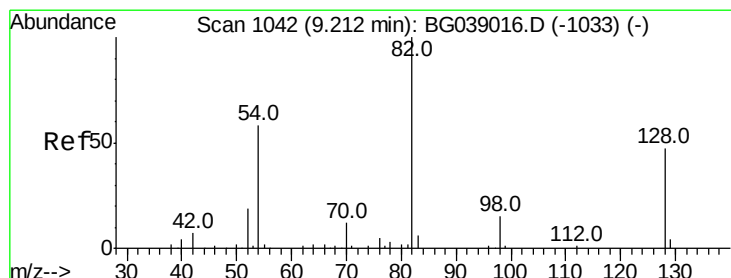
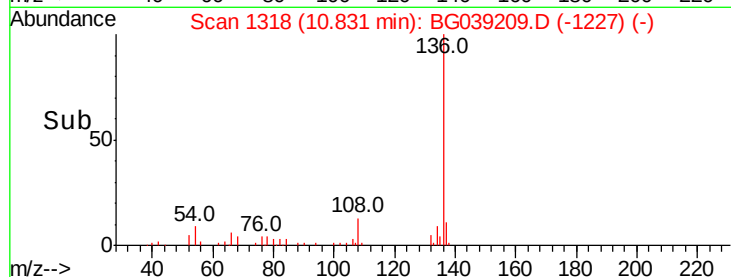
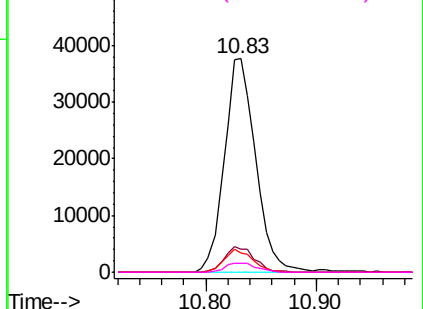
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG039209.D
Acq: 18 Jan 2019 7:43

Instrument :
BNA_G
ClientSampleId :
SSSI-0115-S-TCLP-7

Tot Ion:136	Resp:	75074	
Ion Ratio	Lower	Upper	
136 100			
137 10.8	9.4	14.2	
54 8.8	7.2	10.8	
68 4.1	3.5	5.3	

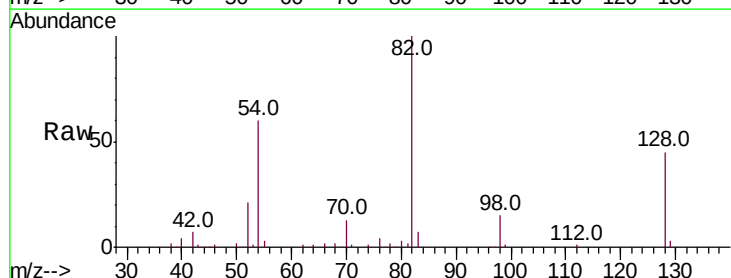


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

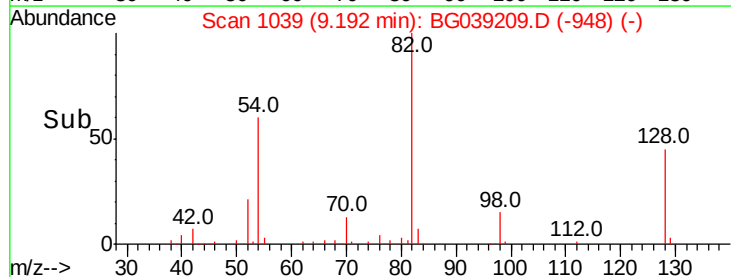
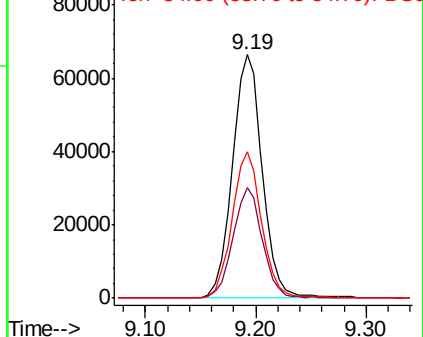


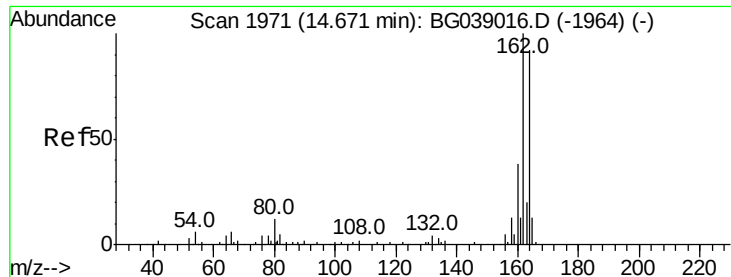
#23
Nitrobenzene-d5
Concen: 91.945 ng
RT: 9.19 min Scan# 1039
Delta R.T. 0.00 min
Lab File: BG039209.D
Acq: 18 Jan 2019 7:43

Tgt Ion: 82	Resp: 126147
Ion Ratio	Lower Upper
82 100	
128 45.2	37.3 55.9
54 59.9	46.4 69.6



Abundance Ion 82.00 (81.70 to 82.70): BG
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.00 min

Lab File: BG039209.D

Acq: 18 Jan 2019 7:43

Instrument :

BNA_G

ClientSampleId :

SSSI-0115-S-TCLP-7

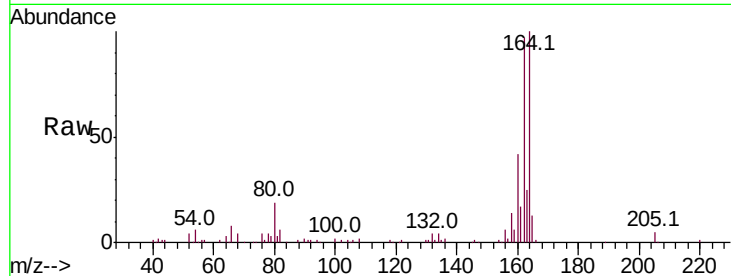
Tot Ion:164 Resp: 70297

Ion Ratio Lower Upper

164 100

162 97.4 87.2 130.8

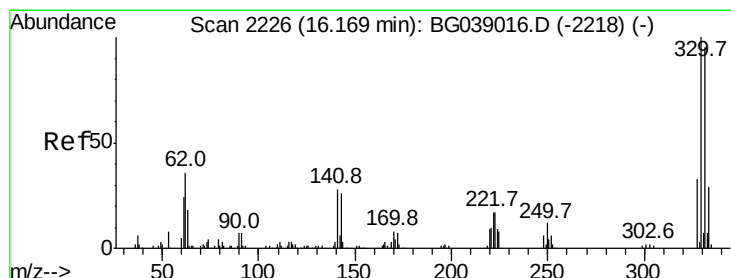
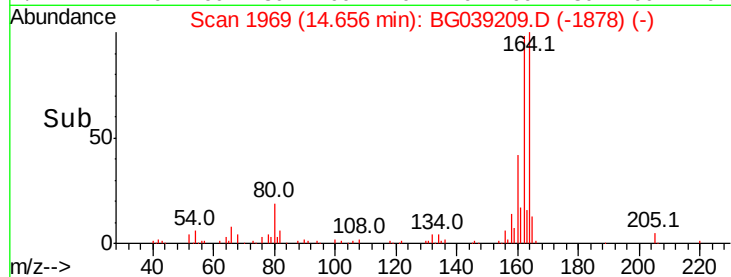
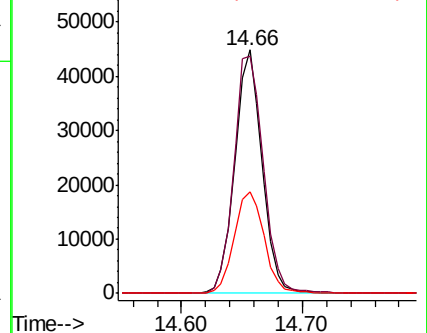
160 41.6 33.3 49.9



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: 108.389 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.00 min

Lab File: BG039209.D

Acq: 18 Jan 2019 7:43

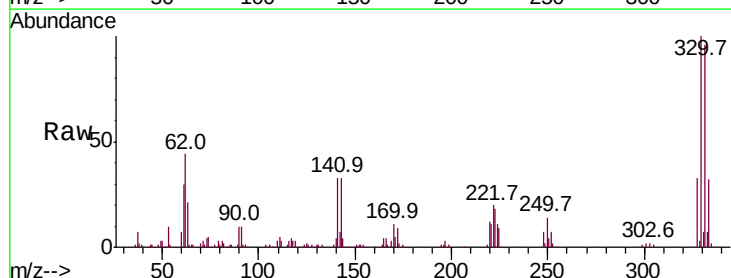
Tgt Ion:330 Resp: 127723

Ion Ratio Lower Upper

330 100

332 96.5 75.7 113.5

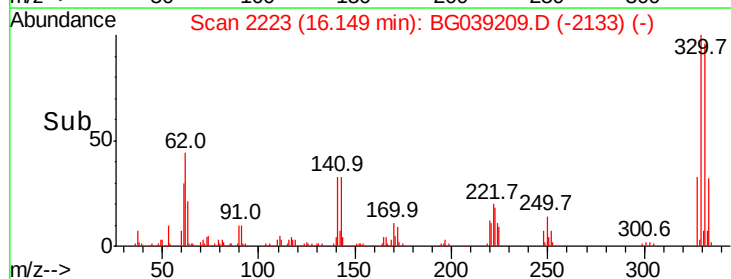
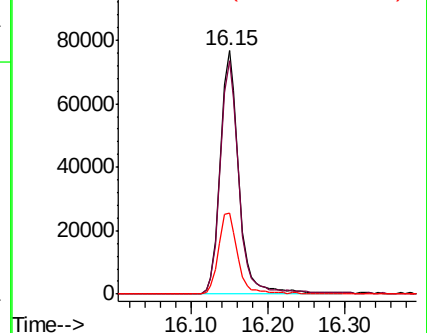
141 33.8 24.9 37.3

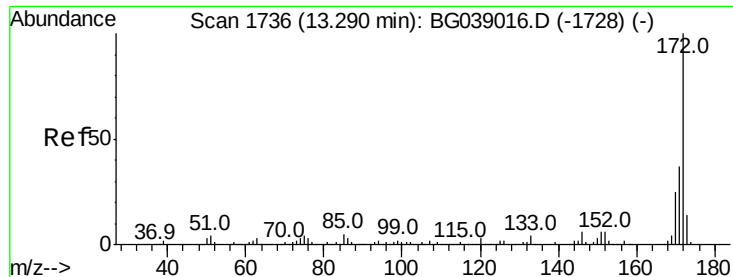


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

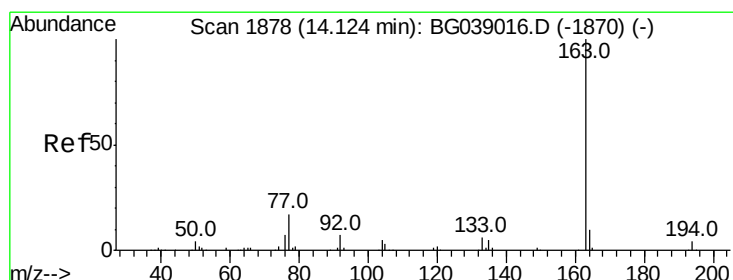
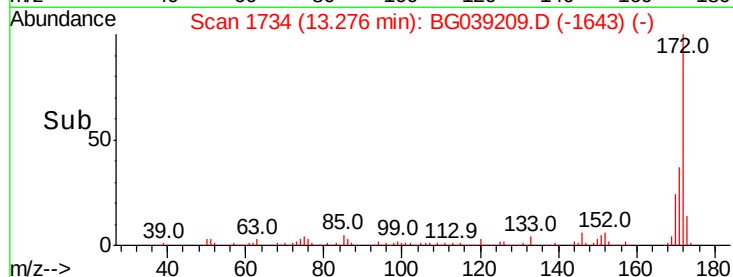
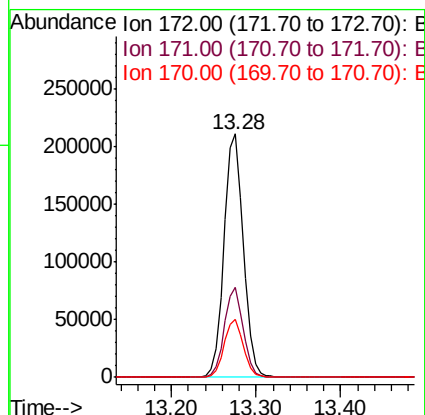
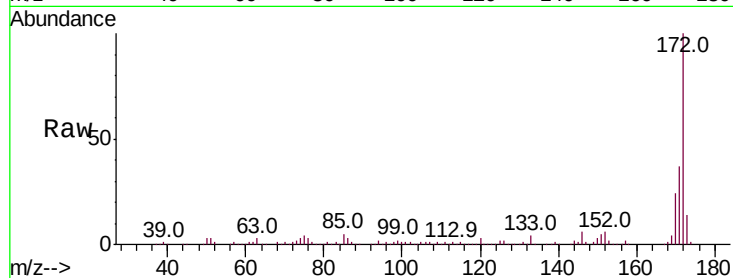




#45
2-Fluorobiphenyl
Concen: 65.307 ng
RT: 13.28 min Scan# 1734
Delta R.T. 0.00 min
Lab File: BG039209.D
Acq: 18 Jan 2019 7:43

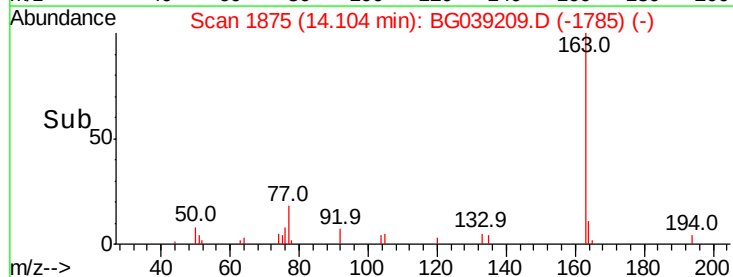
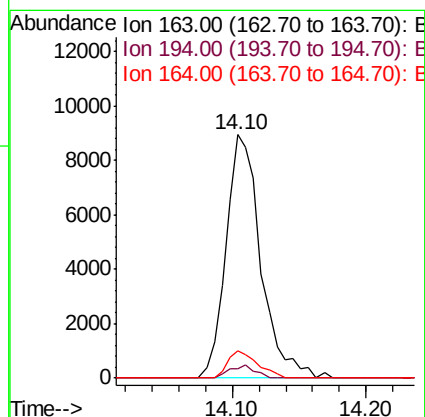
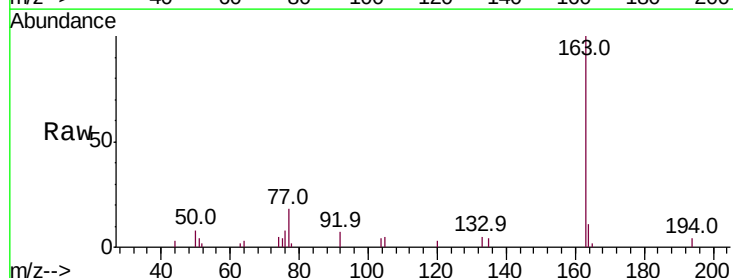
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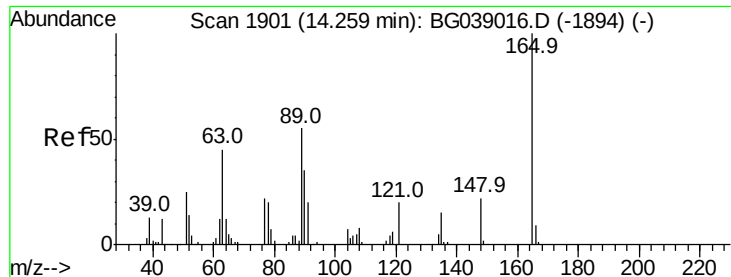
Tot Ion:172 Resp: 335454
Ion Ratio Lower Upper
172 100
171 37.0 29.4 44.0
170 23.7 20.1 30.1



#50
Dimethylphthalate
Concen: 2.746 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.00 min
Lab File: BG039209.D
Acq: 18 Jan 2019 7:43

Tgt Ion:163 Resp: 16315
Ion Ratio Lower Upper
163 100
194 3.9 3.6 5.4
164 11.5 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 6.762 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.41 min

Lab File: BG039209.D

Acq: 18 Jan 2019 7:43

Instrument :

BNA_G

ClientSampleId :

SSSI-0115-S-TCLP-7

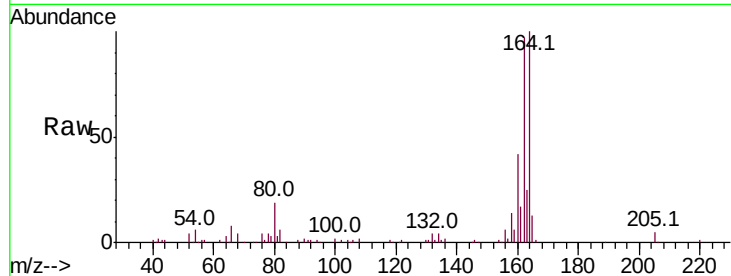
Tot Ion:165 Resp: 8981

Ion Ratio Lower Upper

165 100

63 0.0 43.6 65.4#

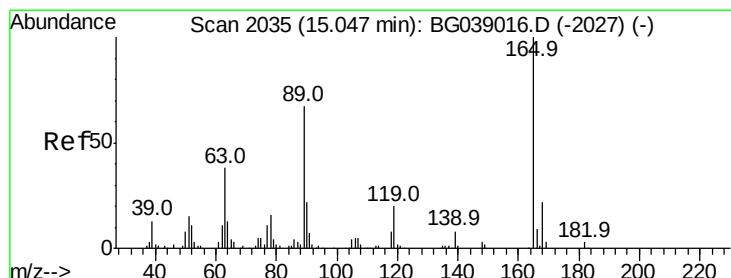
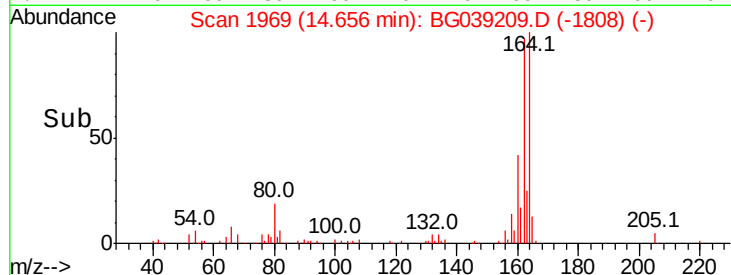
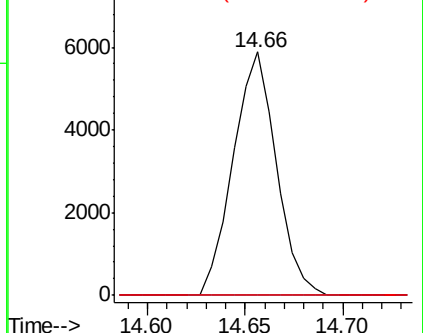
89 0.0 43.7 65.5#



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



#57

2,4-Dinitrotoluene

Concen: 4.713 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.37 min

Lab File: BG039209.D

Acq: 18 Jan 2019 7:43

Tgt Ion:165 Resp: 8981

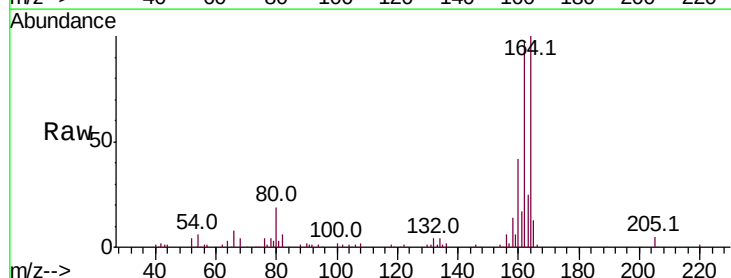
Ion Ratio Lower Upper

165 100

63 0.0 30.2 45.4#

89 0.0 53.2 79.8#

182 0.0 2.7 4.1#

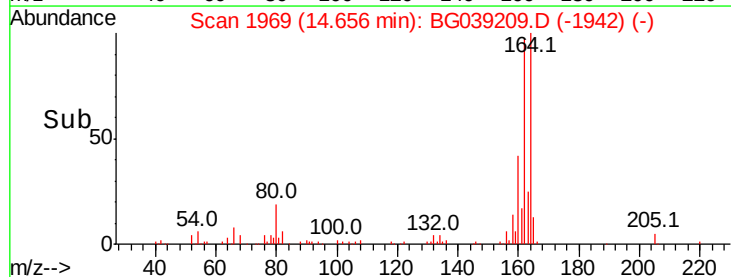
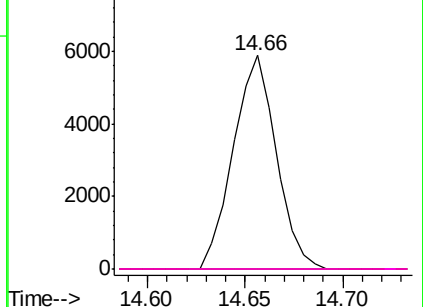


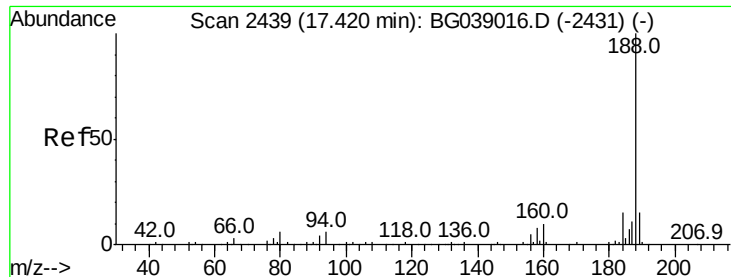
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.41 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BG039209.D

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Instrument :

BNA_G

ClientSampleId :

SSSI-0115-S-TCLP-7

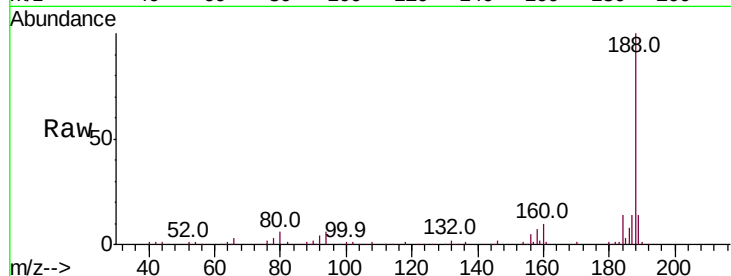
Tot Ion:188 Resp: 162307

Ion Ratio Lower Upper

188 100

94 5.9 5.0 7.4

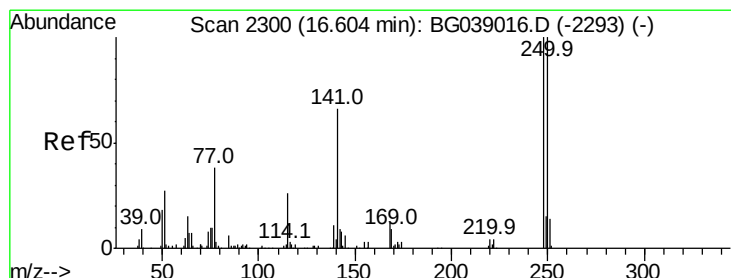
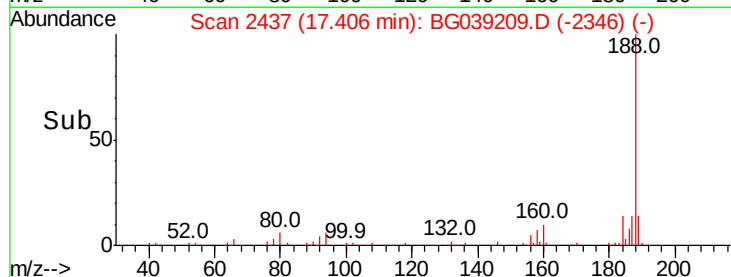
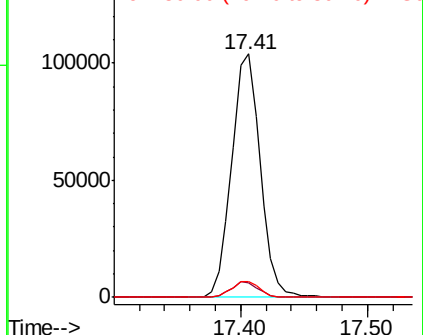
80 6.3 4.7 7.1



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



#67

4-Bromophenyl-phenylether

Concen: 4.265 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.44 min

Lab File: BG039209.D

Acq: 18 Jan 2019 7:43

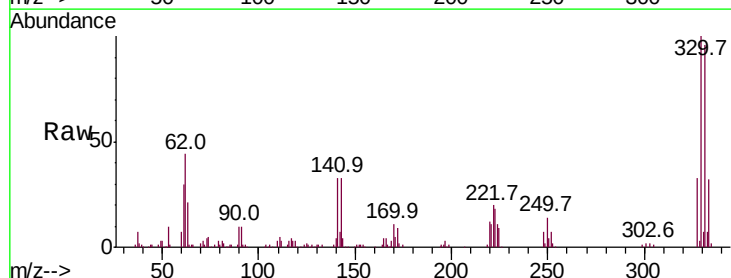
Tgt Ion:248 Resp: 8898

Ion Ratio Lower Upper

248 100

250 194.1 79.9 119.9#

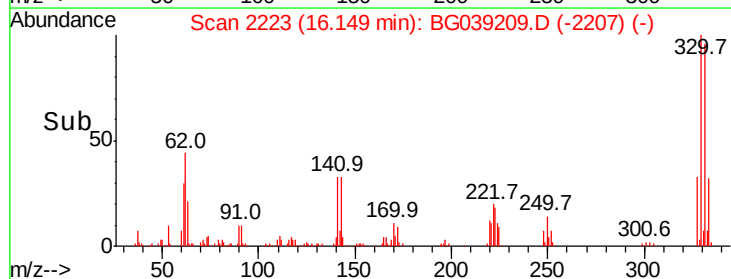
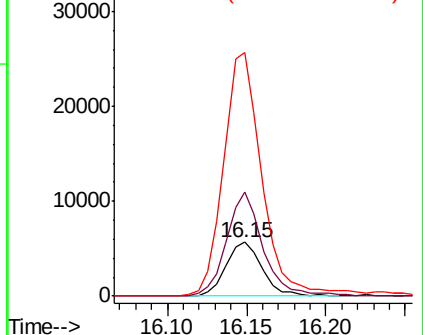
141 350.1 52.7 79.1#

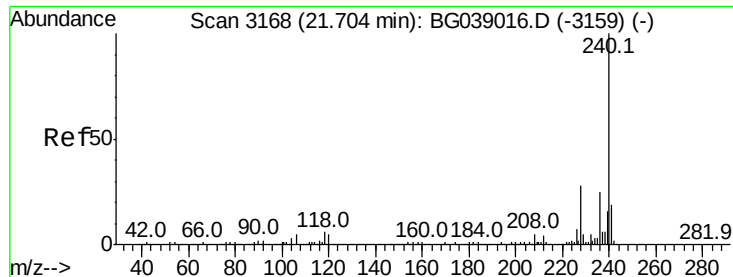


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.68 min Scan# 3164

Delta R.T. -0.00 min

Lab File: BG039209.D

Acq: 18 Jan 2019 7:43

Instrument :

BNA_G

ClientSampleId :

SSSI-0115-S-TCLP-7

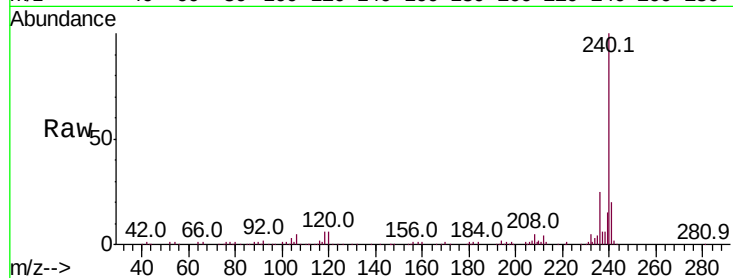
Tot Ion:240 Resp: 171948

Ion Ratio Lower Upper

240 100

120 5.8 4.3 6.5

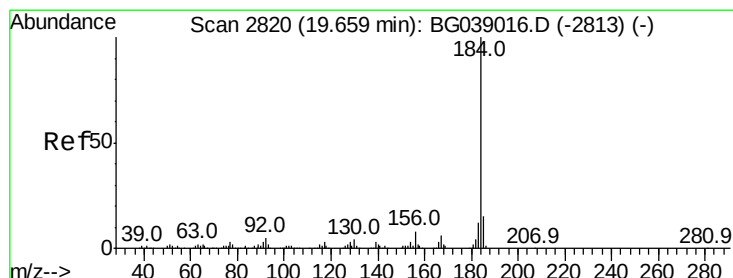
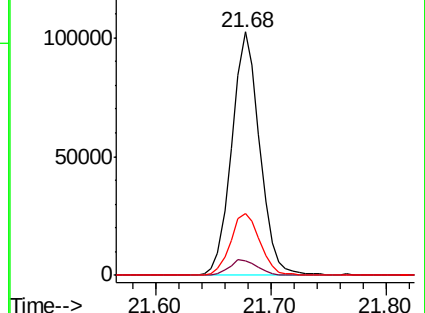
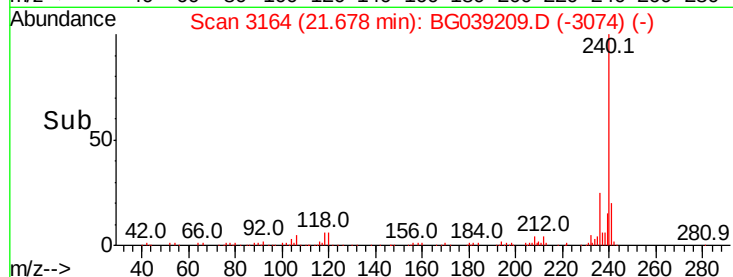
236 25.4 20.1 30.1



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: 2.228 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.37 min

Lab File: BG039209.D

Acq: 18 Jan 2019 7:43

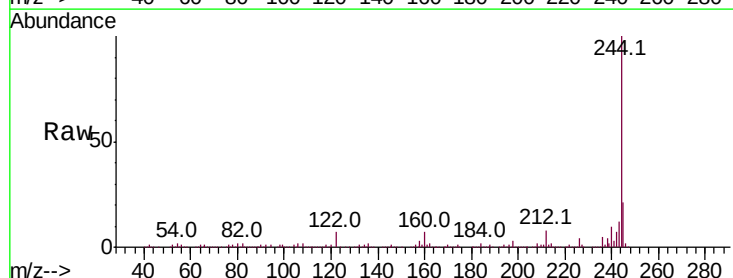
Tgt Ion:184 Resp: 11719

Ion Ratio Lower Upper

184 100

185 19.0 12.1 18.1#

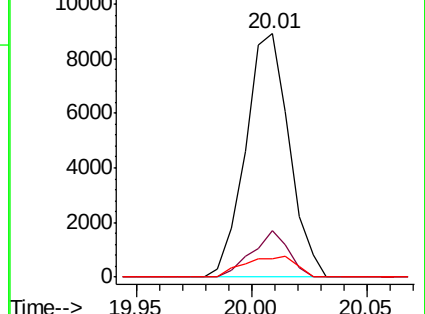
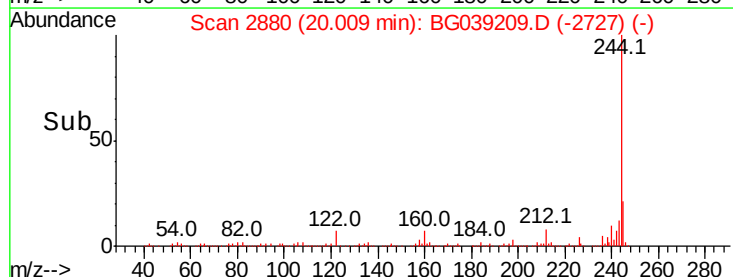
183 7.6 9.5 14.3#

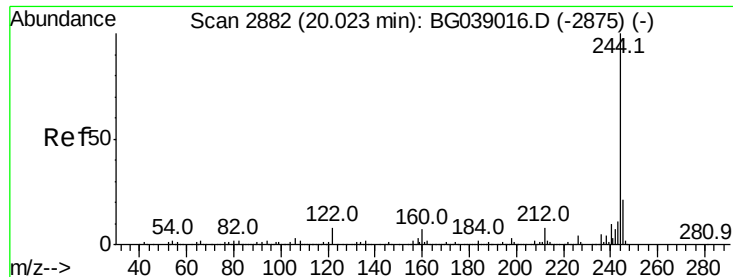


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 79.765 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BG039209.D

Acq: 18 Jan 2019 7:43

Instrument :

BNA_G

ClientSampleId :

SSSI-0115-S-TCLP-7

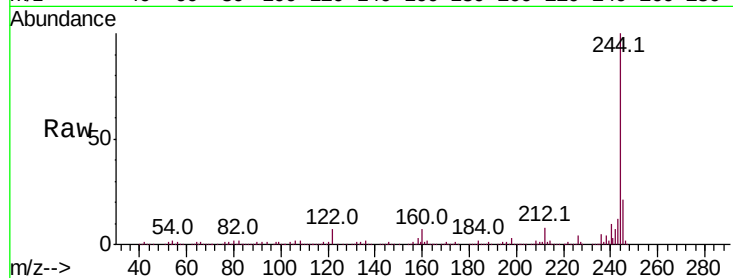
Tot Ion:244 Resp: 741417

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

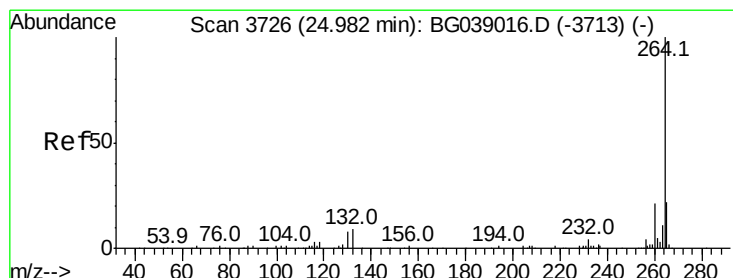
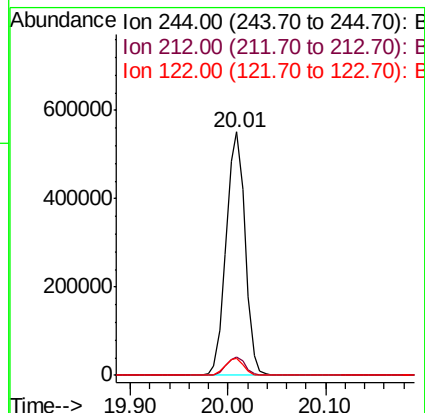
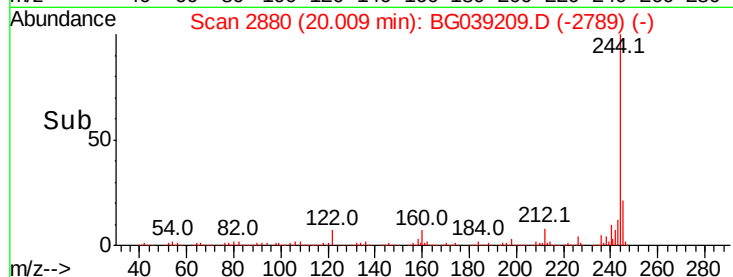
122 7.0 6.1 9.1



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: 24.94 min Scan# 3720

Delta R.T. -0.00 min

Lab File: BG039209.D

Acq: 18 Jan 2019 7:43

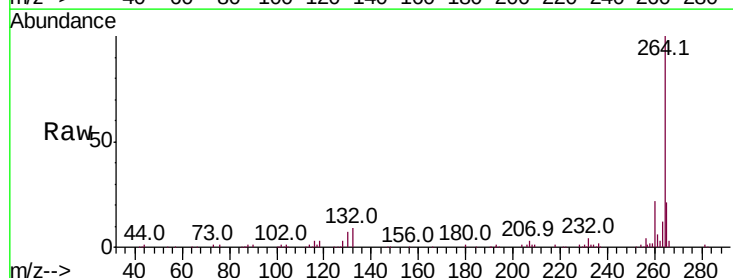
Tgt Ion:264 Resp: 187215

Ion Ratio Lower Upper

264 100

260 22.2 17.0 25.6

265 21.3 17.2 25.8



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

