

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031219\
 Data File : BG039892.D
 Acq On : 13 Mar 2019 3:29
 Operator : JU/SJ
 Sample : K1697-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-031119-A

Quant Time: Mar 13 05:51:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 05:34:05 2019
 Response via : Initial Calibration

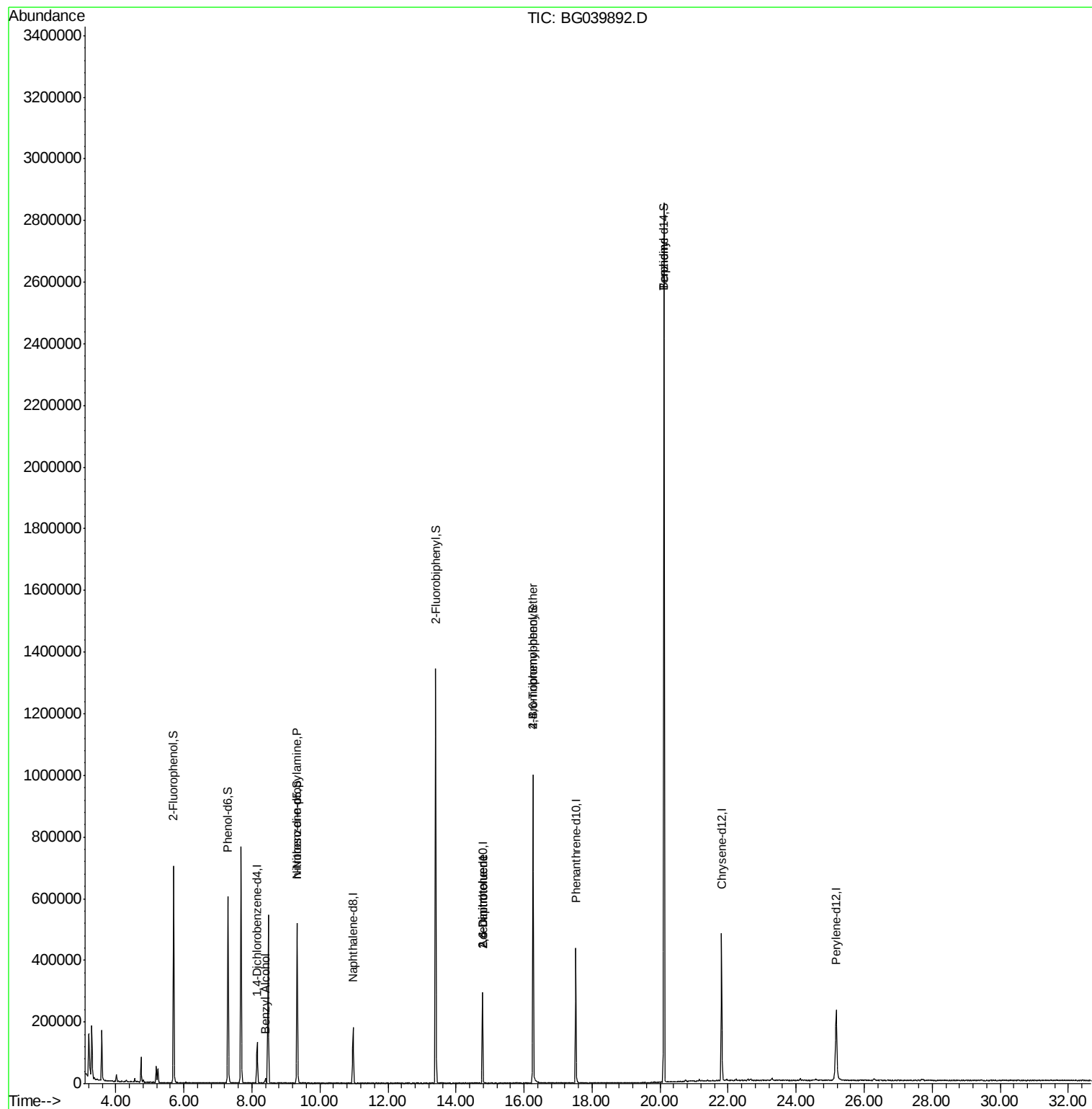
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	36437	20.00	ng	0.00
21) Naphthalene-d8	10.97	136	153516	20.00	ng	0.00
39) Acenaphthene-d10	14.77	164	104468	20.00	ng	0.00
64) Phenanthrene-d10	17.52	188	272554	20.00	ng	0.00
76) Chrysene-d12	21.81	240	300730	20.00	ng	0.00
87) Perylene-d12	25.17	264	286058	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	284316	133.12	ng	0.00
7) Phenol-d6	7.30	99	347897	109.24	ng	0.00
23) Nitrobenzene-d5	9.33	82	299949	105.67	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	182553	149.92	ng	0.00
45) 2-Fluorobiphenyl	13.40	172	691767	94.28	ng	0.00
79) Terphenyl-d14	20.11	244	1322132	96.80	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.40	79	6410	2.537	ng	# 88
19) n-Nitroso-di-n-propylamine	9.33	70	39950	17.429	ng	# 72
51) 2,6-Dinitrotoluene	14.78	165	14027	7.574	ng	# 25
57) 2,4-Dinitrotoluene	14.78	165	14027	5.391	ng	# 20
67) 4-Bromophenyl-phenylether	16.27	248	13979	4.582	ng	# 1
77) Benzidine	20.11	184	23548	2.468	ng	# 92

(#) = 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: BG039892.D

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Instrument :

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ClientSampleId :

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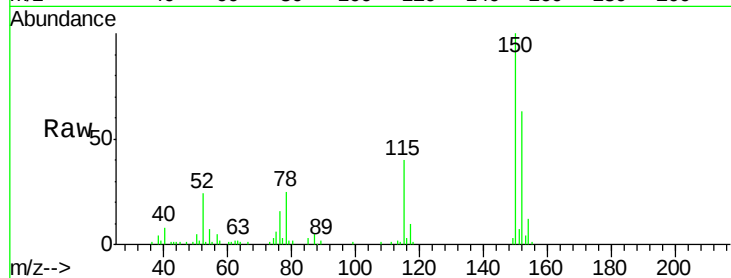
Tgt Ion:152 Resp: 36437

Ion Ratio Lower Upper

152 100

150 159.5 123.7 185.5

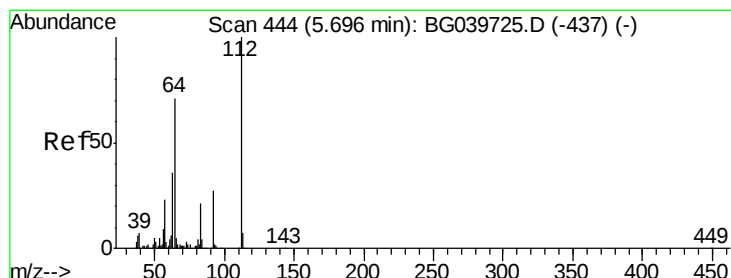
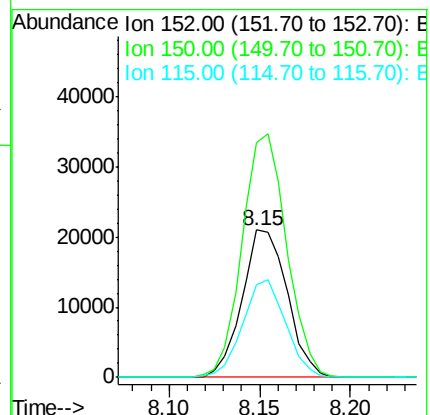
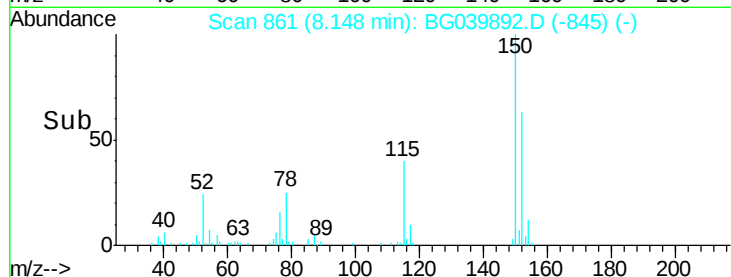
115 63.3 45.9 68.9



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: 133.119 ng

RT: 5.70 min Scan# 444

Delta R.T. 0.00 min

Lab File: BG039892.D

Acq: 13 Mar 2019 3:29

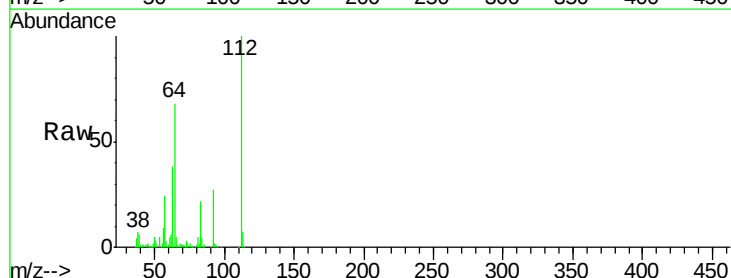
Tgt Ion:112 Resp: 284316

Ion Ratio Lower Upper

112 100

64 68.3 57.8 86.8

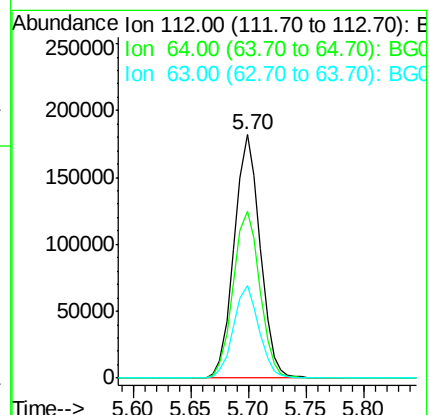
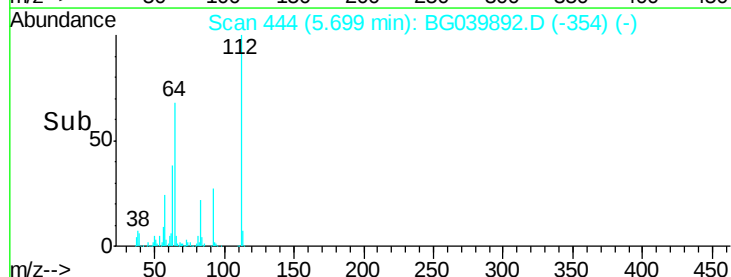
63 38.1 29.8 44.6



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: 109.243 ng

RT: 7.30 min Scan# 716

Delta R.T. 0.00 min

Lab File: BG039892.D

Acq: 13 Mar 2019 3:29

Instrument :

BNA_G

ClientSampleId :

SU-03-031119-A

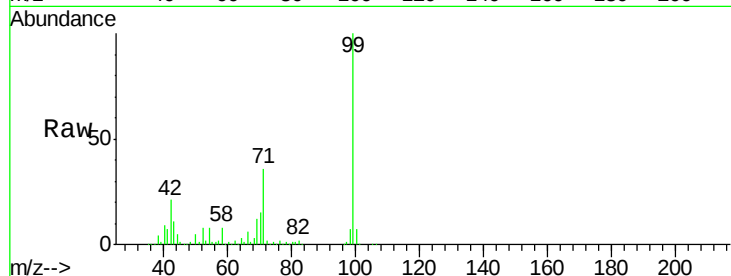
Tgt Ion: 99 Resp: 347897

Ion Ratio Lower Upper

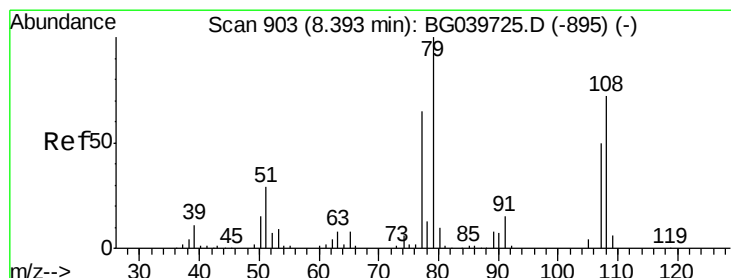
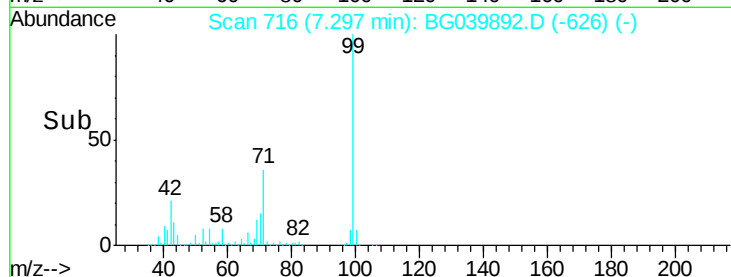
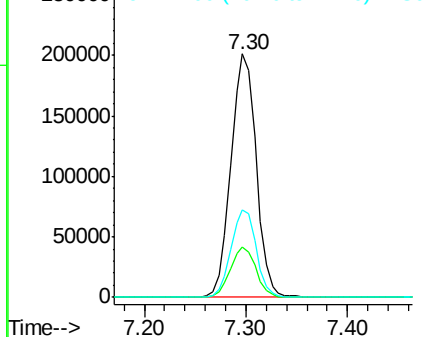
99 100

42 20.9 18.2 27.2

71 35.7 28.0 42.0



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



#15

Benzyl Alcohol

Concen: 2.537 ng

RT: 8.40 min Scan# 903

Delta R.T. 0.00 min

Lab File: BG039892.D

Acq: 13 Mar 2019 3:29

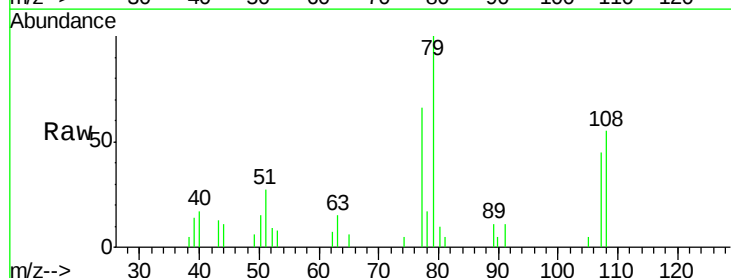
Tgt Ion: 79 Resp: 6410

Ion Ratio Lower Upper

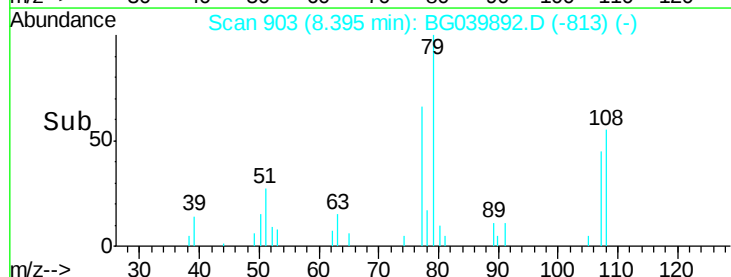
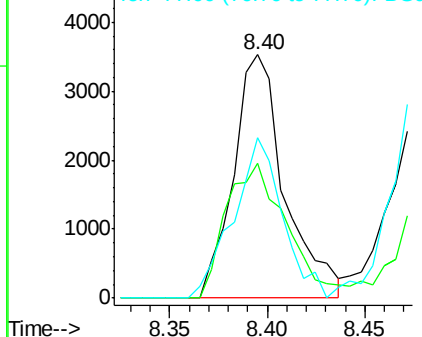
79 100

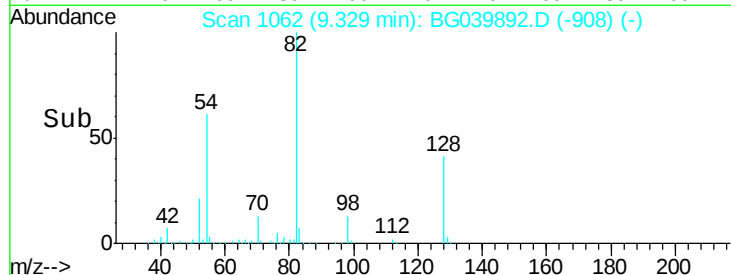
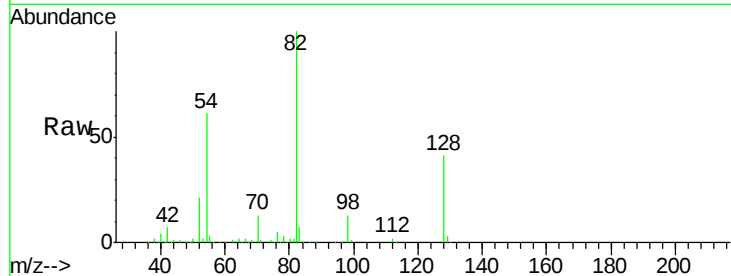
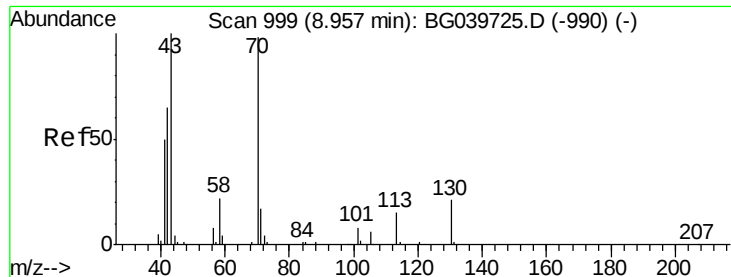
108 55.5 57.8 86.6#

77 65.6 51.1 76.7



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

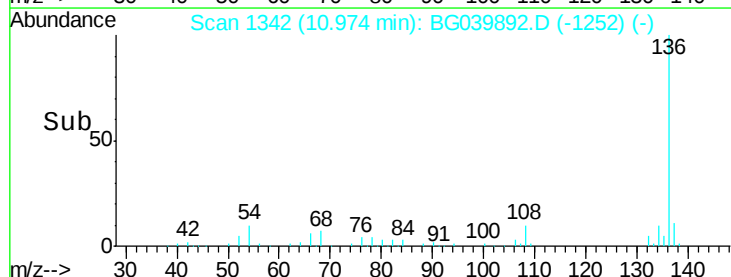
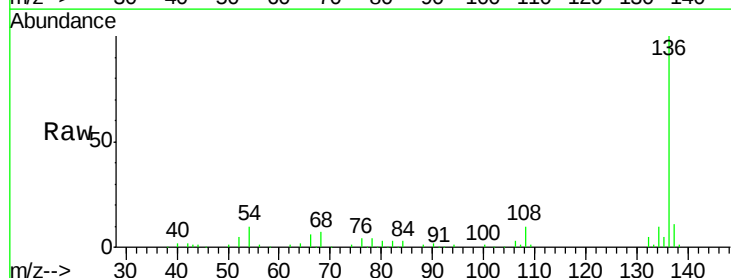
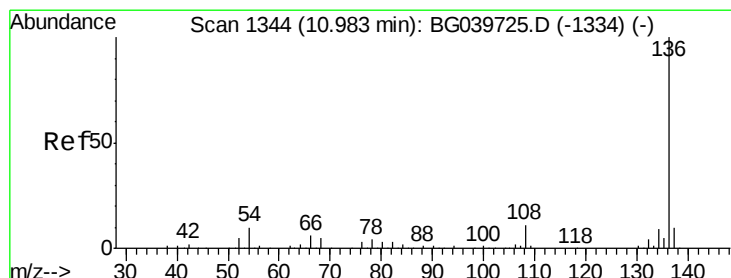
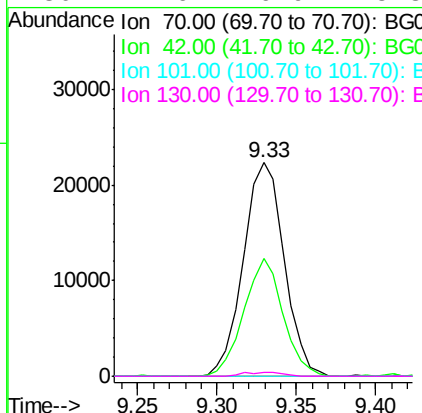




#19
n-Nitroso-di-n-propylamine
Concen: 17.429 ng
RT: 9.33 min Scan# 1062
Delta R.T. 0.38 min
Lab File: BG039892.D
Acq: 13 Mar 2019 3:29

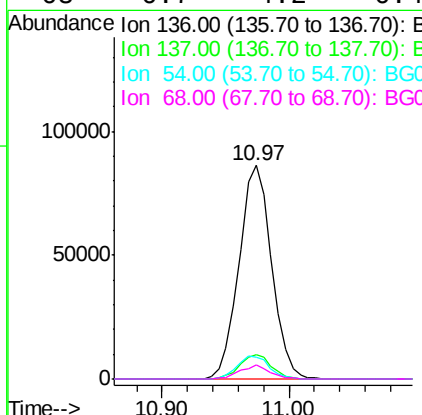
Instrument :
BNA_G
ClientSampleId :
SU-03-031119-A

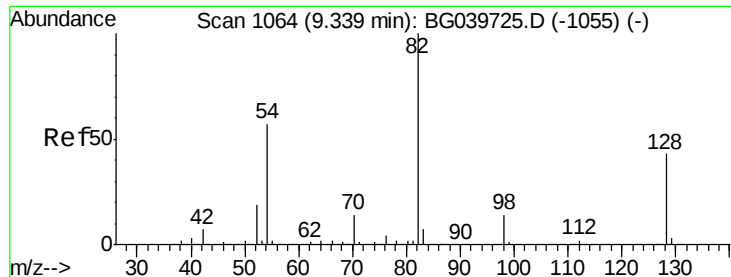
Tgt Ion: 70 Resp: 39950
Ion Ratio Lower Upper
70 100
42 55.1 60.4 90.6#
101 0.0 7.5 11.3#
130 1.6 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. 0.00 min
Lab File: BG039892.D
Acq: 13 Mar 2019 3:29

Tgt Ion: 136 Resp: 153516
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 10.1 9.4 14.2
68 6.7 4.2 6.4#





#23

Nitrobenzene-d5

Concen: 105.673 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BG039892.D

Acq: 13 Mar 2019 3:29

Instrument :

BNA_G

ClientSampleId :

SU-03-031119-A

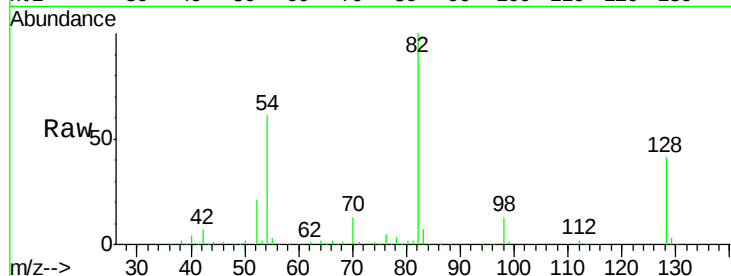
Tgt Ion: 82 Resp: 299949

Ion Ratio Lower Upper

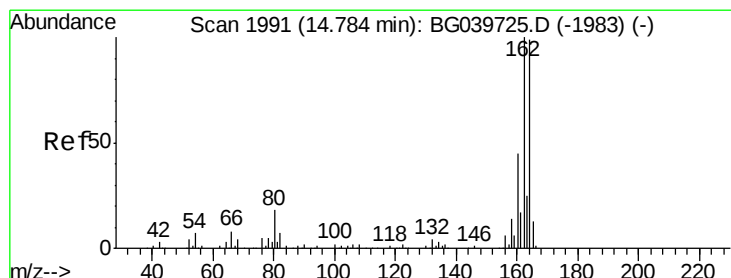
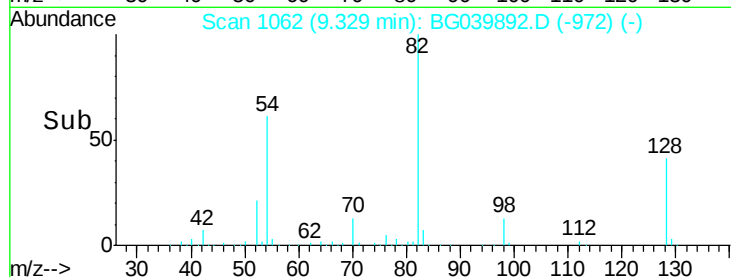
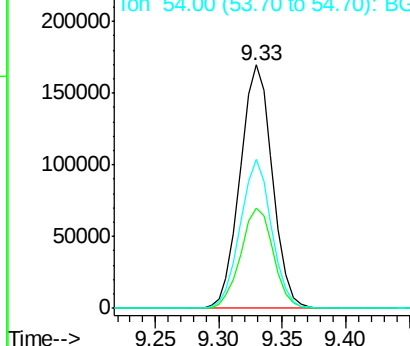
82 100

128 41.2 31.3 46.9

54 61.0 50.9 76.3



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# 1989

Delta R.T. -0.01 min

Lab File: BG039892.D

Acq: 13 Mar 2019 3:29

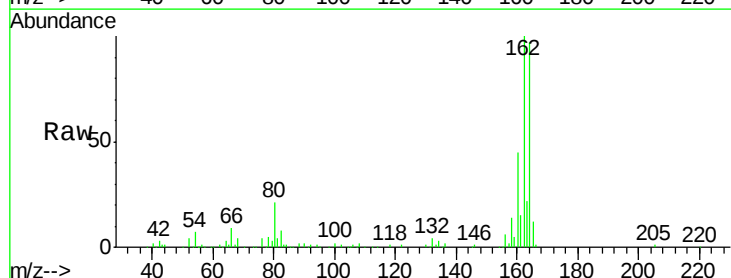
Tgt Ion: 164 Resp: 104468

Ion Ratio Lower Upper

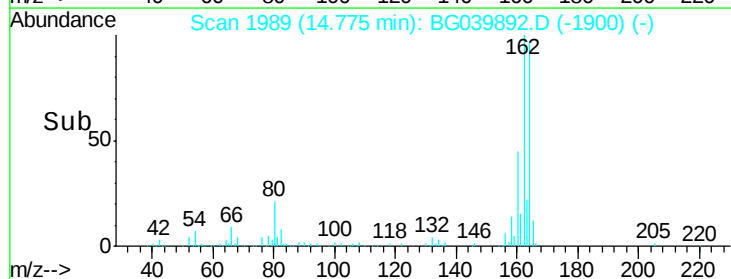
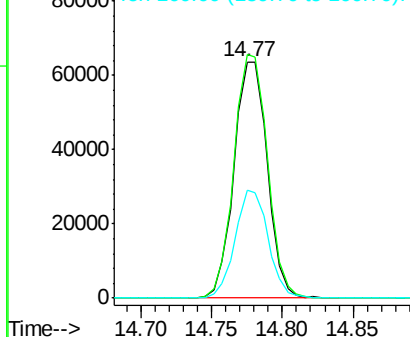
164 100

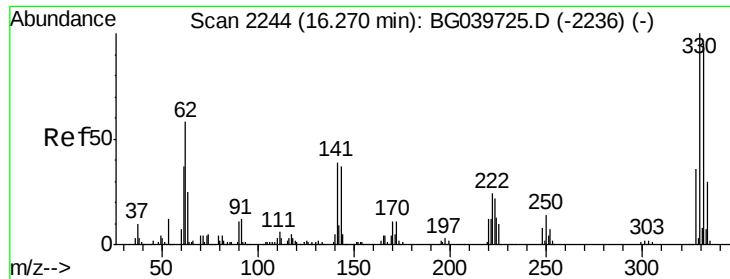
162 103.0 81.6 122.4

160 45.8 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

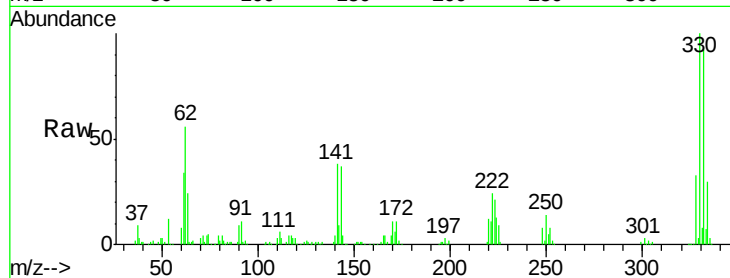




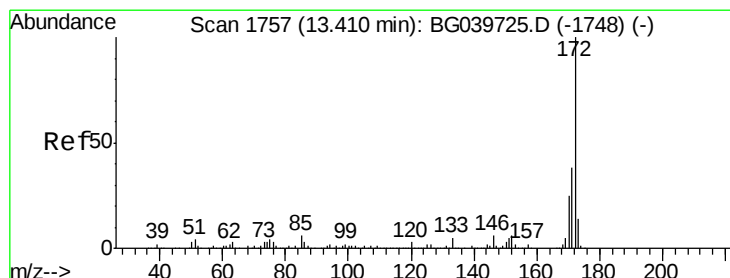
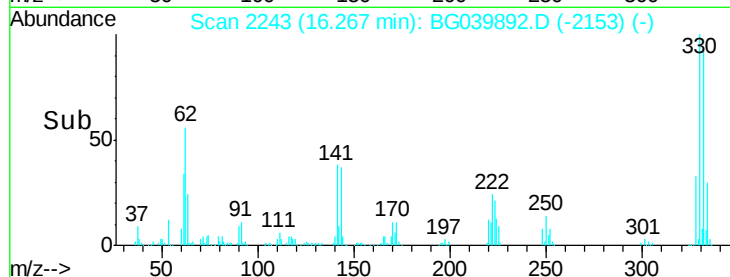
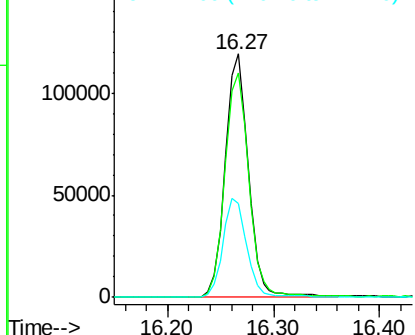
#42
 2,4,6-Tribromophenol
 Concen: 149.922 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. 0.00 min
 Lab File: BG039892.D
 Acq: 13 Mar 2019 3:29

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-031119-A

Tgt Ion:330 Resp: 182553
 Ion Ratio Lower Upper
 330 100
 332 95.9 75.7 113.5
 141 41.6 35.6 53.4

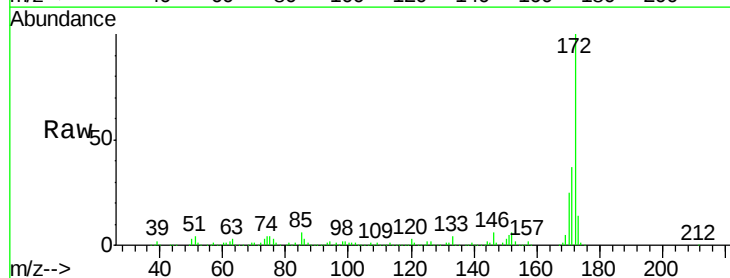


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

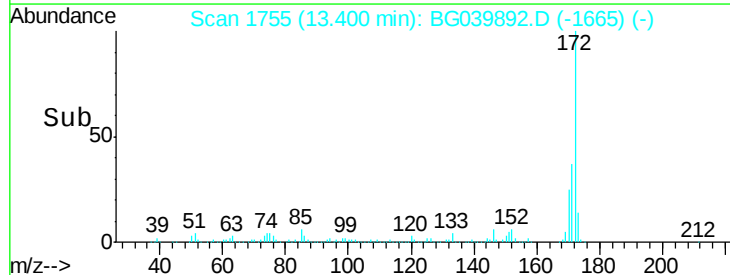
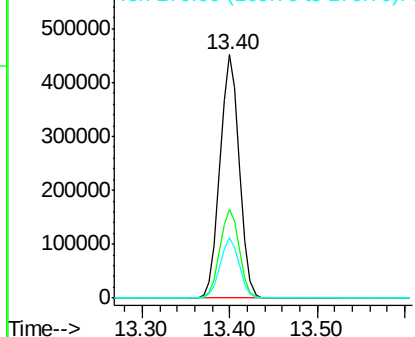


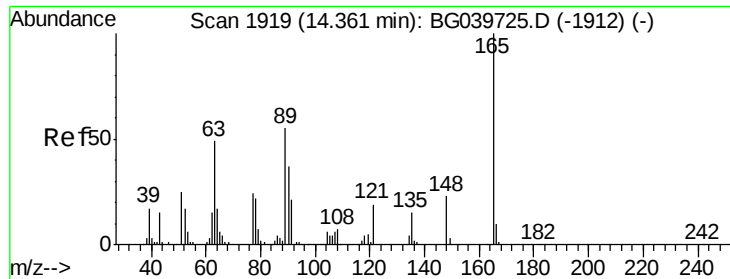
#45
 2-Fluorobiphenyl
 Concen: 94.283 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. 0.00 min
 Lab File: BG039892.D
 Acq: 13 Mar 2019 3:29

Tgt Ion:172 Resp: 691767
 Ion Ratio Lower Upper
 172 100
 171 36.7 30.8 46.2
 170 24.6 20.2 30.4



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





#51

2,6-Dinitrotoluene

Concen: 7.574 ng

RT: 14.78 min Scan# 1990

Delta R.T. 0.42 min

Lab File: BG039892.D

Acq: 13 Mar 2019 3:29

Instrument :

BNA_G

ClientSampleId :

SU-03-031119-A

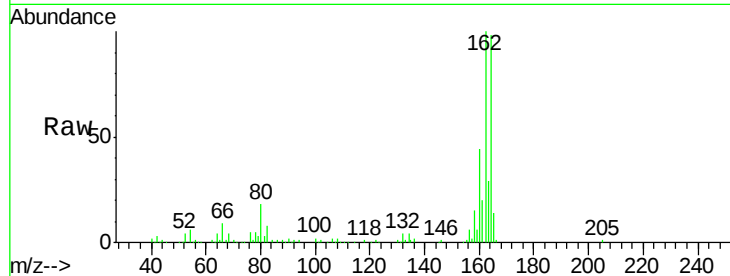
Tgt Ion:165 Resp: 14027

Ion Ratio Lower Upper

165 100

63 2.3 47.0 70.6#

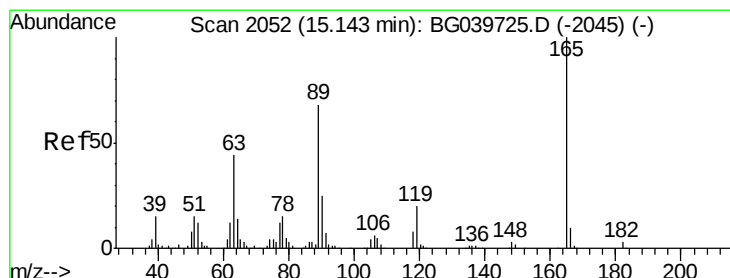
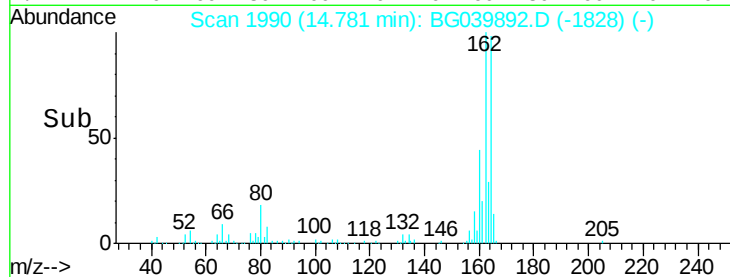
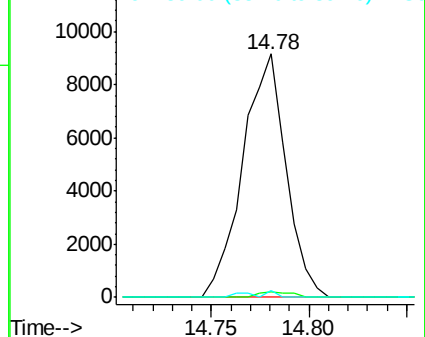
89 2.8 45.8 68.8#



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



#57

2,4-Dinitrotoluene

Concen: 5.391 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.36 min

Lab File: BG039892.D

Acq: 13 Mar 2019 3:29

Tgt Ion:165 Resp: 14027

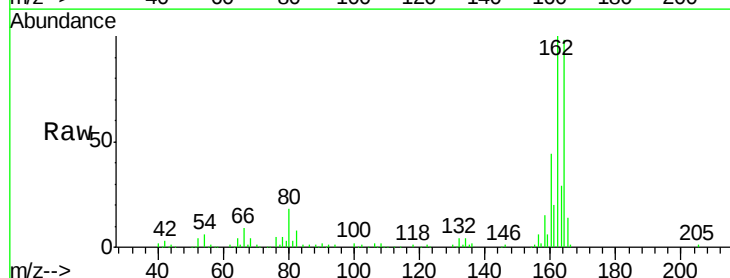
Ion Ratio Lower Upper

165 100

63 2.3 41.0 61.6#

89 2.8 64.6 96.8#

182 0.0 2.0 3.0#

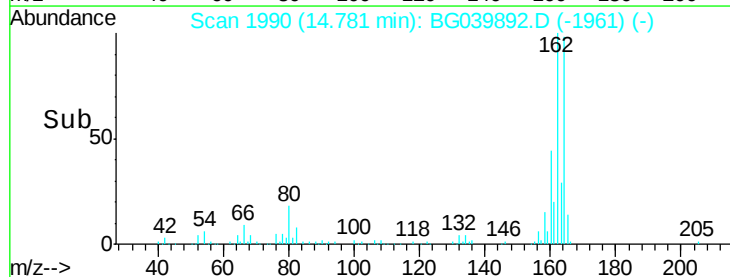
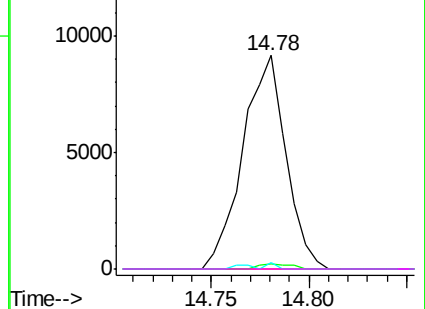


Abundance Ion 165.00 (164.70 to 165.70): E

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# 2457

Delta R.T. 0.00 min

Lab File: BG039892.D

Acq: 13 Mar 2019 3:29

Instrument :

BNA_G

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SU-03-031119-A

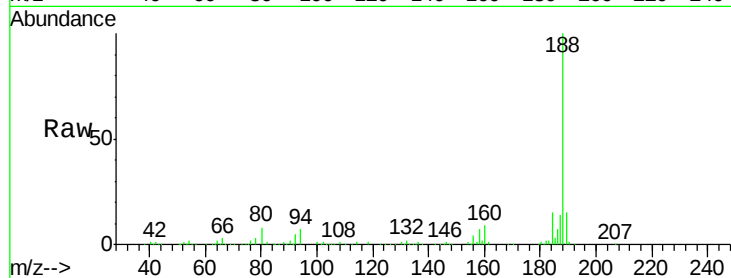
Tgt Ion:188 Resp: 272554

Ion Ratio Lower Upper

188 100

94 7.2 6.9 10.3

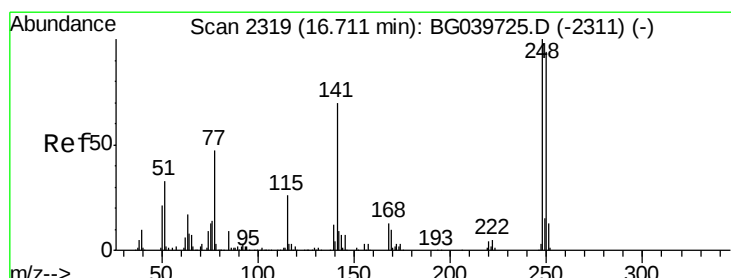
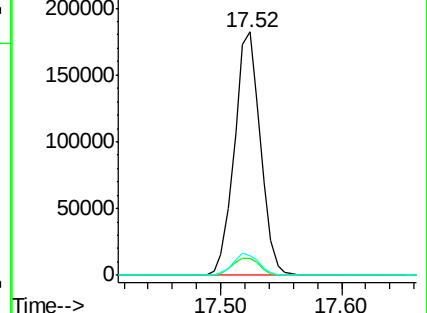
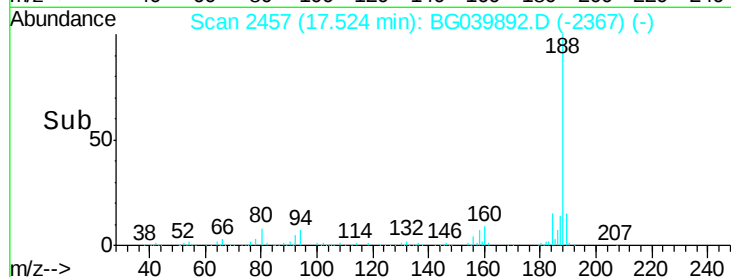
80 8.1 8.1 12.1



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: 4.582 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.44 min

Lab File: BG039892.D

Acq: 13 Mar 2019 3:29

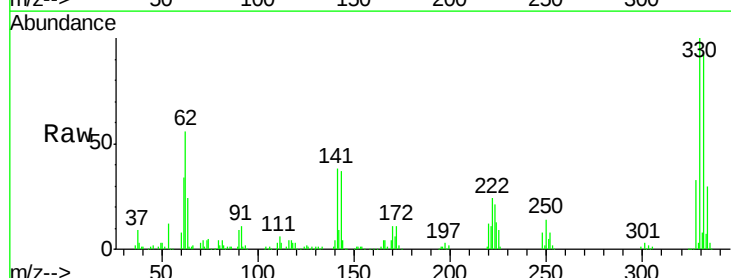
Tgt Ion:248 Resp: 13979

Ion Ratio Lower Upper

248 100

250 169.6 77.6 116.4#

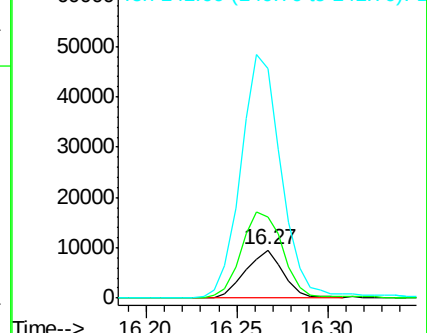
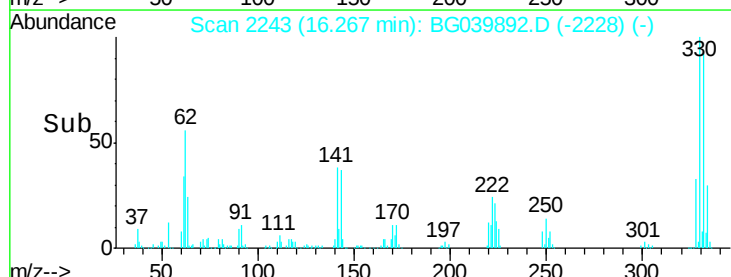
141 477.9 63.9 95.9#

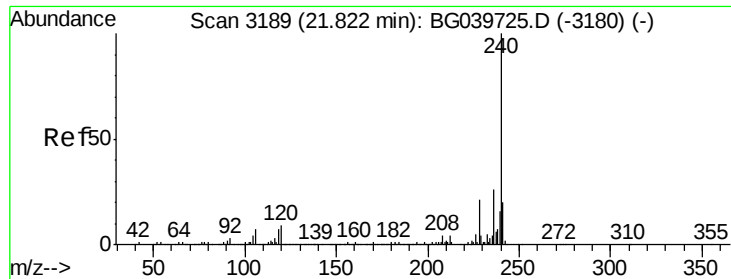


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

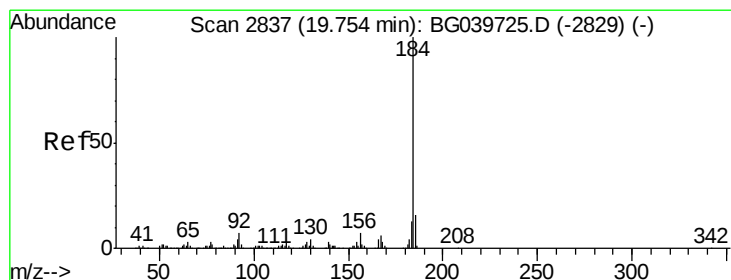
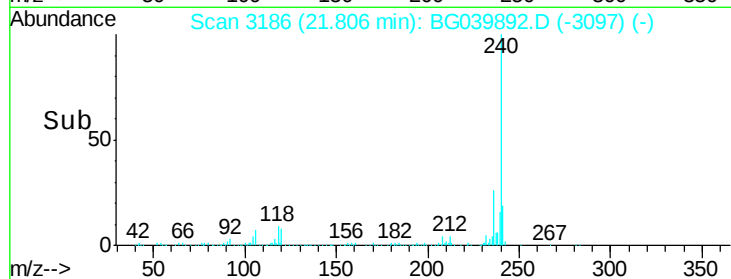
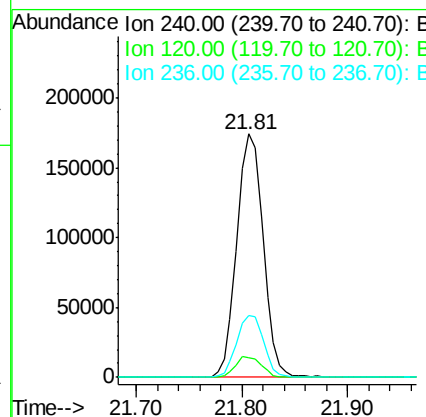
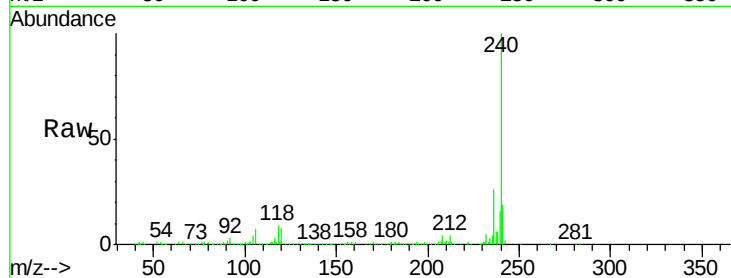




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.81 min Scan# 3186
Delta R.T. -0.01 min
Lab File: BG039892.D
Acq: 13 Mar 2019 3:29

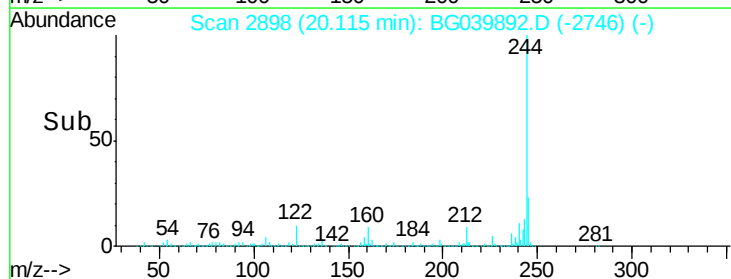
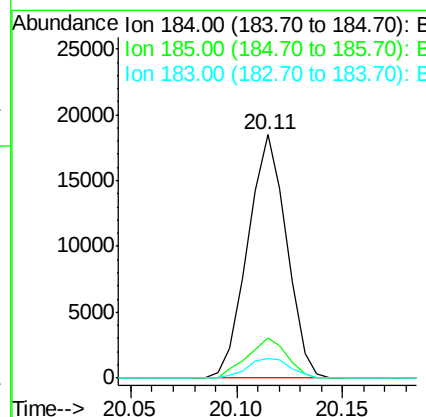
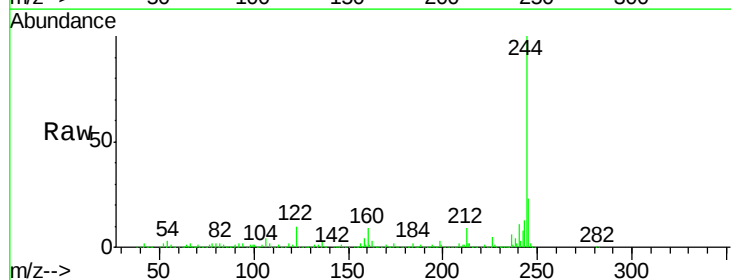
Instrument :
BNA_G
ClientSampleId :
SU-03-031119-A

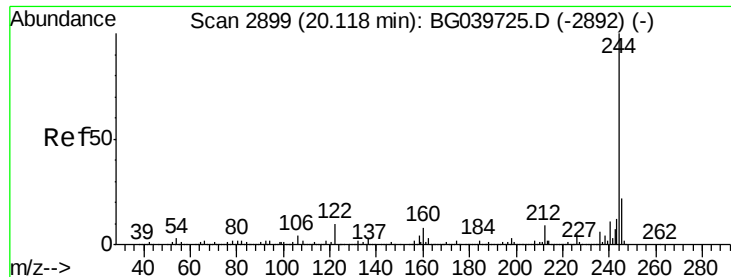
Tgt Ion:240 Resp: 300730
Ion Ratio Lower Upper
240 100
120 8.2 7.0 10.6
236 25.7 21.0 31.4



#77
Benzidine
Concen: 2.468 ng
RT: 20.11 min Scan# 2898
Delta R.T. 0.36 min
Lab File: BG039892.D
Acq: 13 Mar 2019 3:29

Tgt Ion:184 Resp: 23548
Ion Ratio Lower Upper
184 100
185 16.4 12.2 18.2
183 8.0 10.6 15.8#





#79

Terphenyl-d14

Concen: 96.800 ng

RT: 20.11 min Scan# 2898

Delta R.T. 0.00 min

Lab File: BG039892.D

Acq: 13 Mar 2019 3:29

Instrument :

BNA_G

ClientSampleId :

SU-03-031119-A

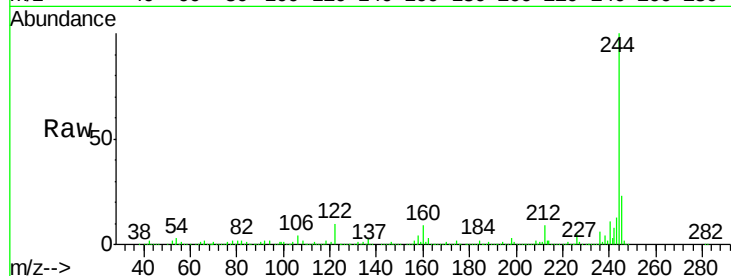
Tgt Ion:244 Resp: 1322132

Ion Ratio Lower Upper

244 100

212 9.4 7.3 10.9

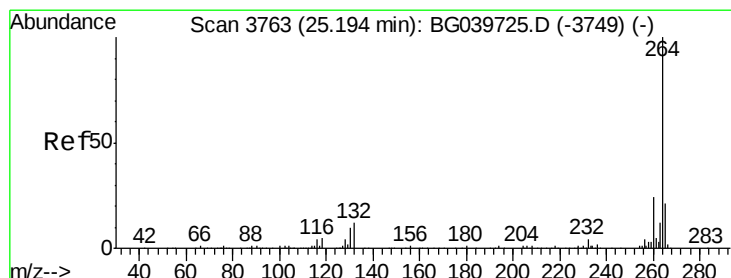
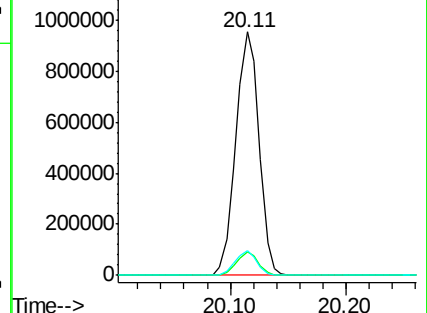
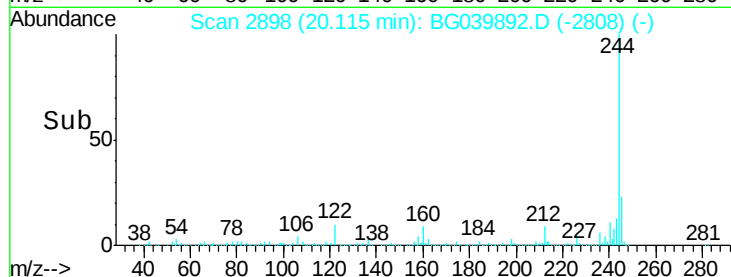
122 10.0 8.4 12.6



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: 25.17 min Scan# 3759

Delta R.T. -0.01 min

Lab File: BG039892.D

Acq: 13 Mar 2019 3:29

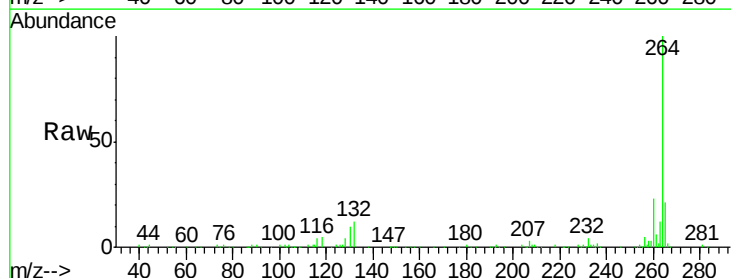
Tgt Ion:264 Resp: 286058

Ion Ratio Lower Upper

264 100

260 22.8 18.2 27.4

265 20.8 18.5 27.7



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

