

Data File : BG038820.D
Acq On : 22 Dec 2018 16:34
Operator : JU/SJ
Sample : J6482-12
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DPC-91468-OS-01

Quant Time: Dec 24 03:56:51 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration

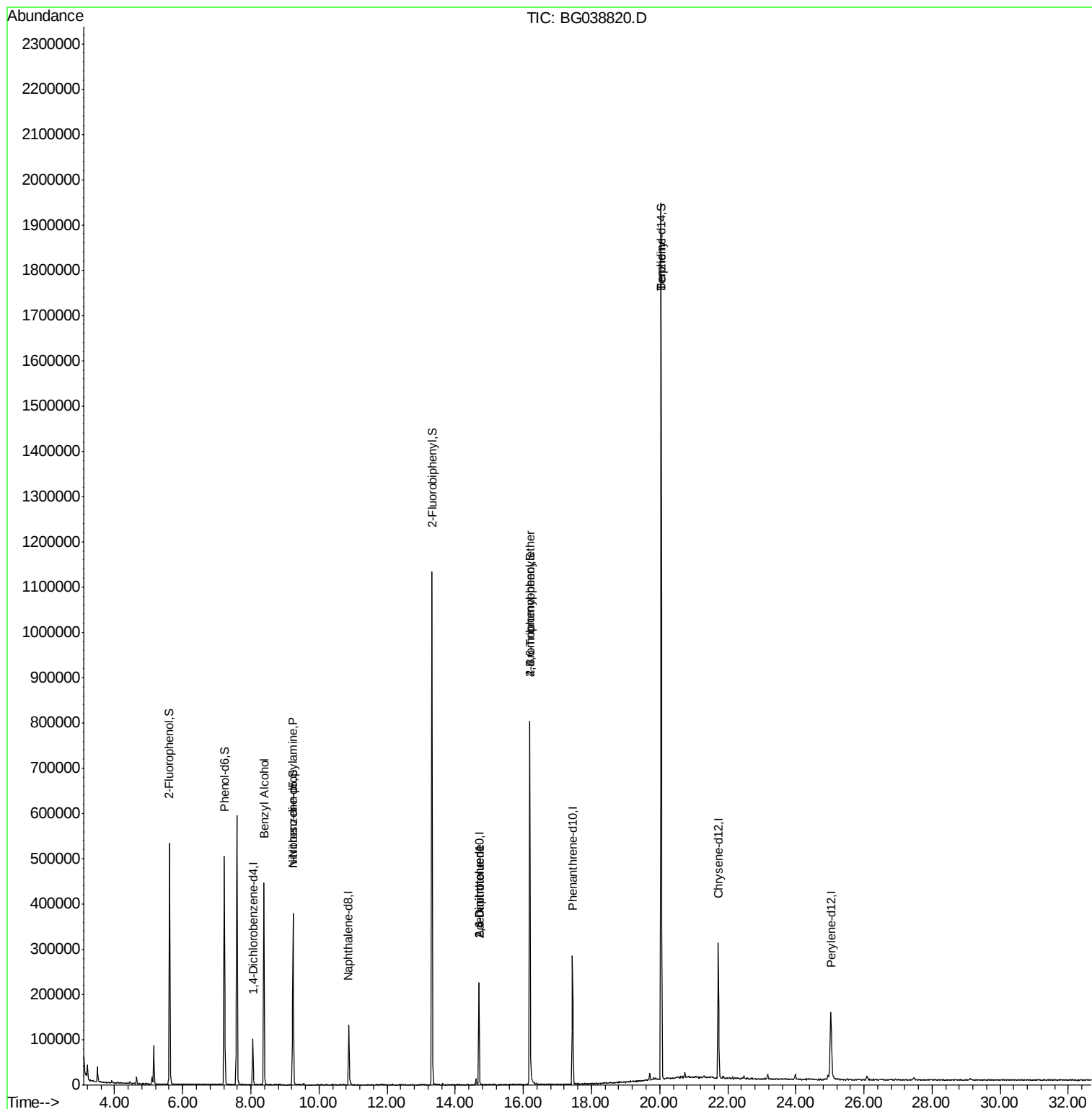
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	29454	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	120798	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	84136	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	187694	20.00	ng	0.00
76) Chrysene-d12	21.72	240	190398	20.00	ng	0.00
87) Perylene-d12	25.03	264	203273	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	227277	136.86	ng	0.01
7) Phenol-d6	7.22	99	293178	128.60	ng	0.01
23) Nitrobenzene-d5	9.24	82	225900	95.54	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	183040	157.85	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	605510	98.73	ng	0.00
79) Terphenyl-d14	20.04	244	986045	112.71	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.38	79	3605	2.026	ng	# 42
19) n-Nitroso-di-n-propylamine	9.24	70	30426	19.002	ng	# 68
51) 2,6-Dinitrotoluene	14.70	165	11025	7.081	ng	# 19
57) 2,4-Dinitrotoluene	14.70	165	11025	5.027	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	11739	5.121	ng	# 1
77) Benzidine	20.04	184	16606	2.949	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: 8.06 min Scan# 846

Delta R.T. -0.00 min

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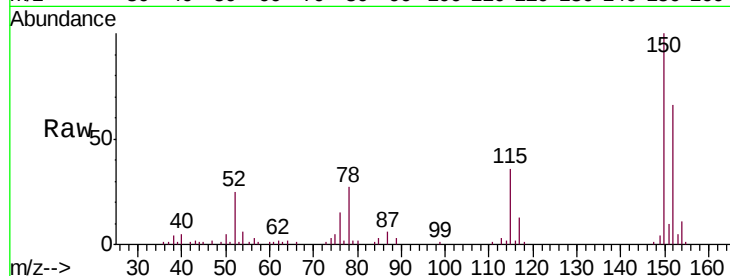
Tgt Ion:152 Resp: 29454

Ion Ratio Lower Upper

152 100

150 152.1 119.5 179.3

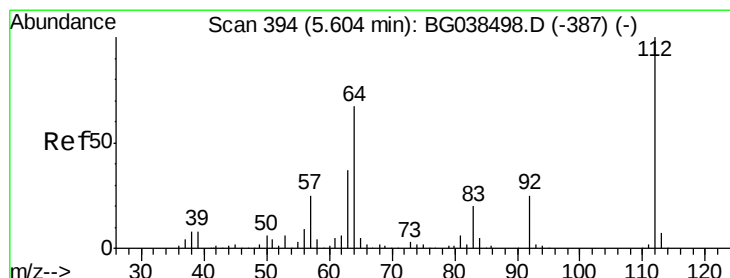
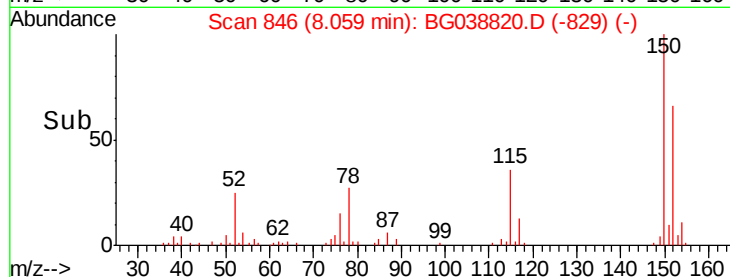
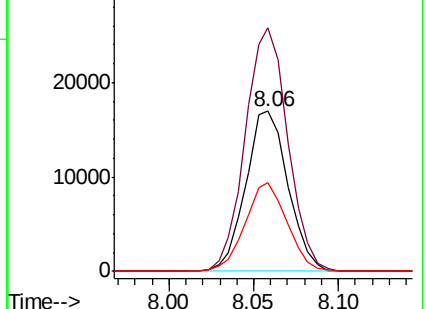
115 55.3 49.6 74.4



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: 136.861 ng

RT: 5.61 min Scan# 430

Delta R.T. 0.01 min

Lab File: BG038820.D

Acq: 22 Dec 2018 16:34

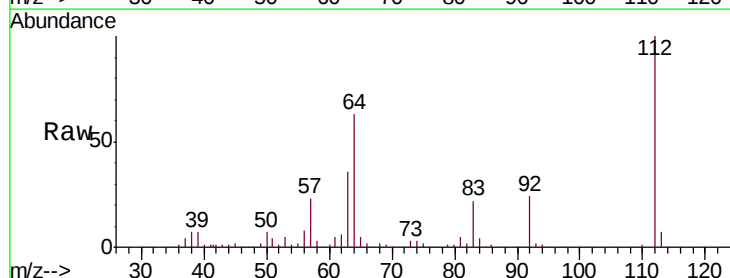
Tgt Ion:112 Resp: 227277

Ion Ratio Lower Upper

112 100

64 63.0 53.4 80.2

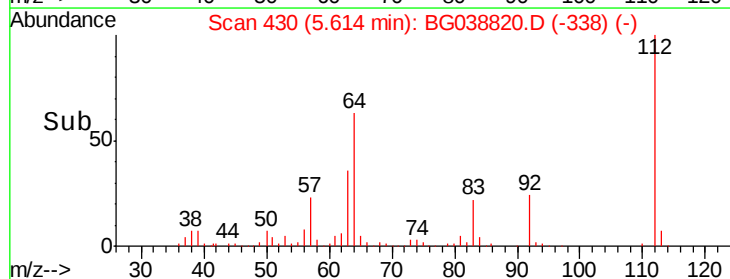
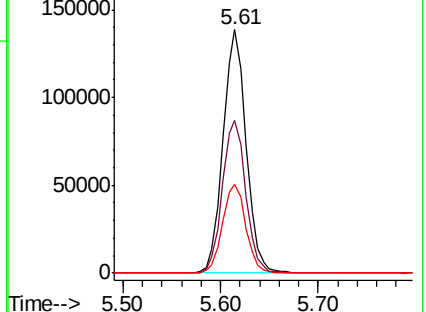
63 36.2 29.3 43.9



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: 128.602 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038820.D

Acq: 22 Dec 2018 16:34

Instrument :

BNA_G

ClientSampleId :

DPC-91468-OS-01

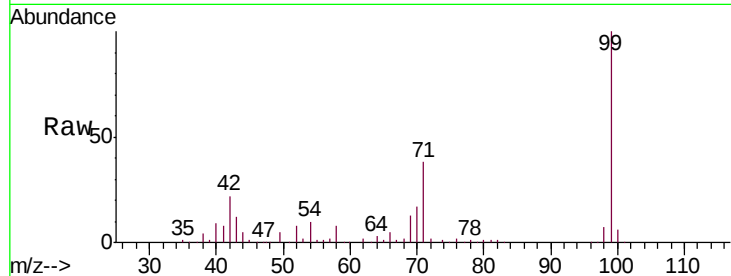
Tgt Ion: 99 Resp: 293178

Ion Ratio Lower Upper

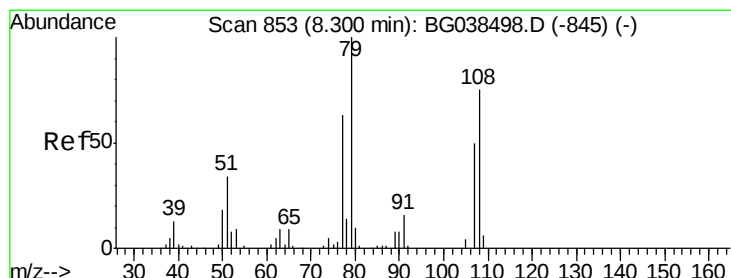
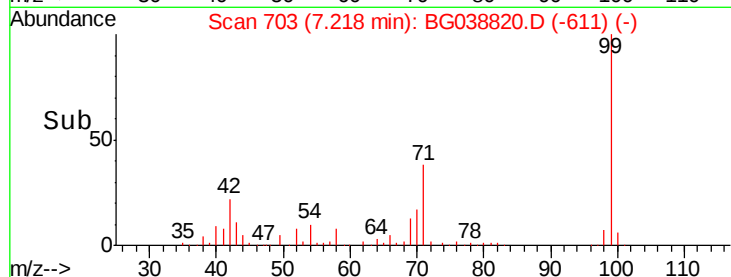
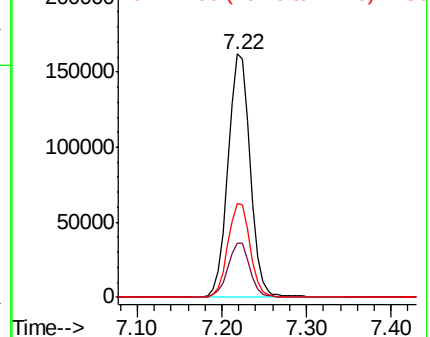
99 100

42 22.3 18.5 27.7

71 38.4 31.1 46.7



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: 2.026 ng

RT: 8.38 min Scan# 901

Delta R.T. 0.08 min

Lab File: BG038820.D

Acq: 22 Dec 2018 16:34

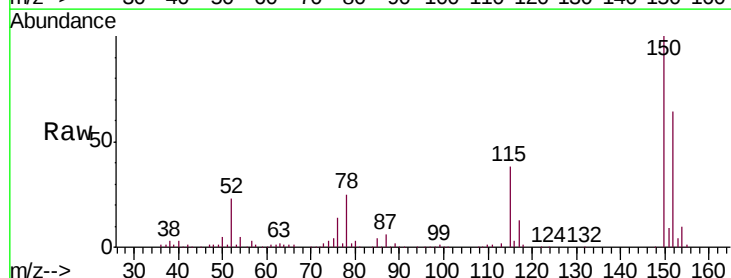
Tgt Ion: 79 Resp: 3605

Ion Ratio Lower Upper

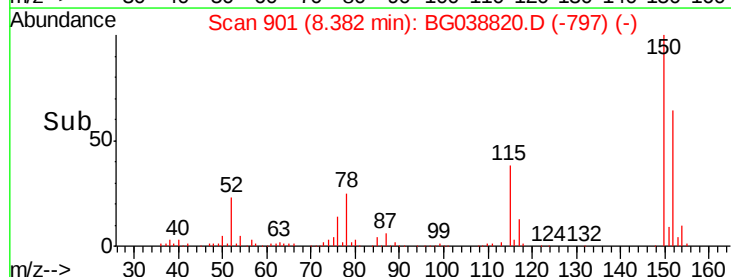
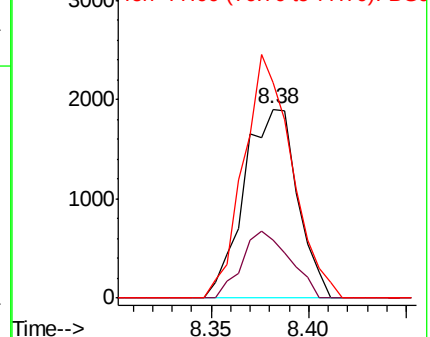
79 100

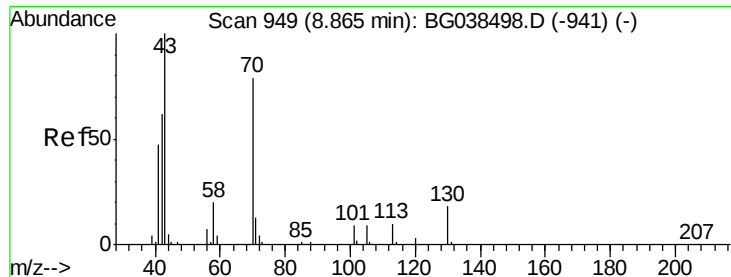
108 30.6 60.2 90.4#

77 114.5 50.7 76.1#



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

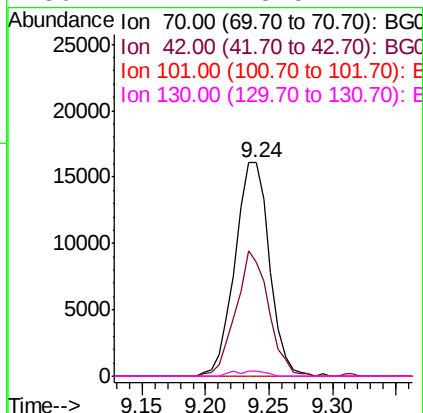
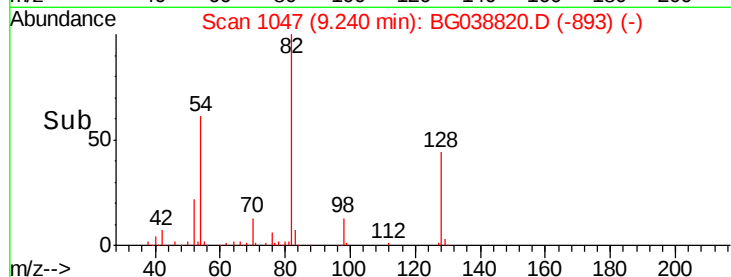
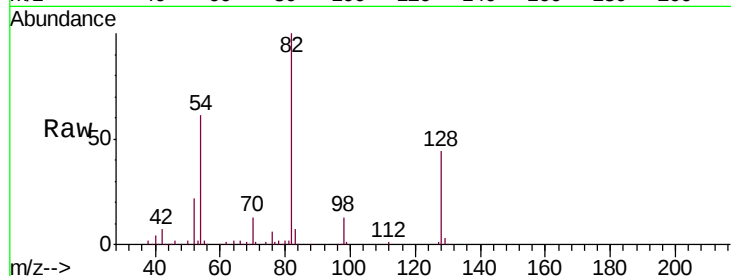




#19
n-Nitroso-di-n-propylamine
Concen: 19.002 ng
RT: 9.24 min Scan# 1047
Delta R.T. 0.38 min
Lab File: BG038820.D
Acq: 22 Dec 2018 16:34

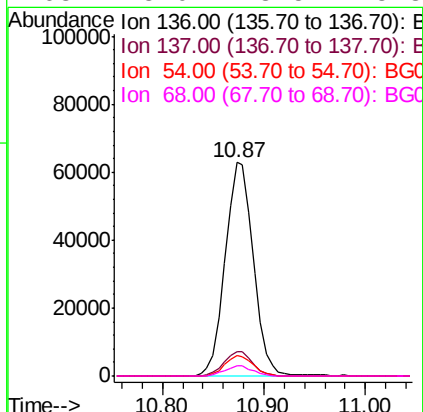
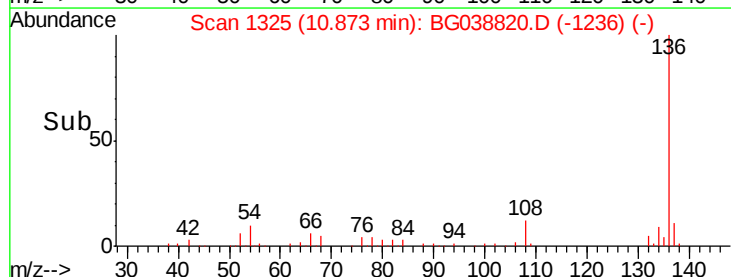
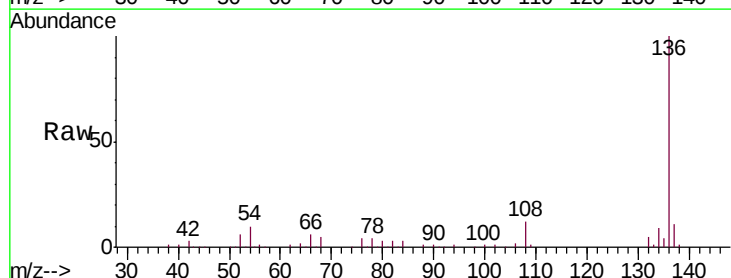
Instrument :
BNA_G
ClientSampleId :
DPC-91468-OS-01

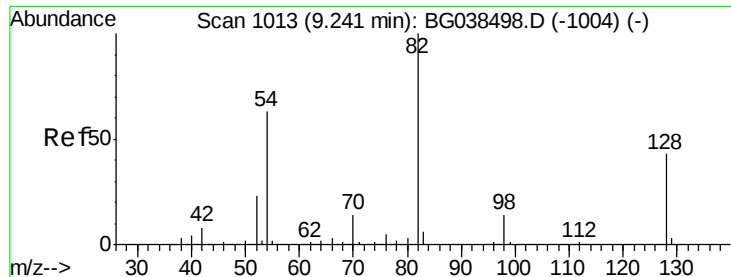
Tgt Ion: 70 Resp: 30426
Ion Ratio Lower Upper
70 100
42 53.6 63.6 95.4#
101 0.0 9.2 13.8#
130 2.1 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038820.D
Acq: 22 Dec 2018 16:34

Tgt Ion: 136 Resp: 120798
Ion Ratio Lower Upper
136 100
137 11.3 9.3 13.9
54 9.8 8.5 12.7
68 5.0 3.5 5.3





#23

Nitrobenzene-d5

Concen: 95.536 ng

RT: 9.24 min Scan# 1047

Delta R.T. -0.00 min

Lab File: BG038820.D

Acq: 22 Dec 2018 16:34

Instrument :

BNA_G

ClientSampleId :

DPC-91468-OS-01

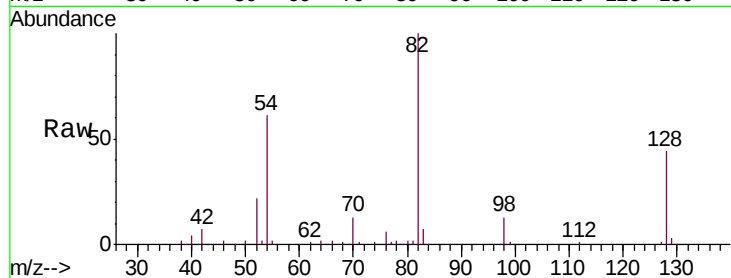
Tgt Ion: 82 Resp: 225900

Ion Ratio Lower Upper

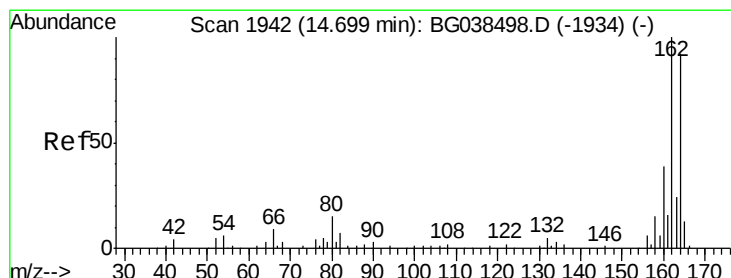
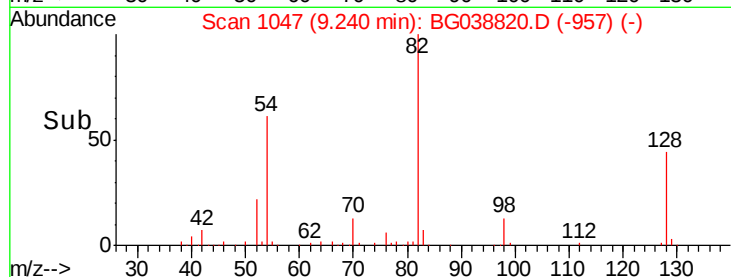
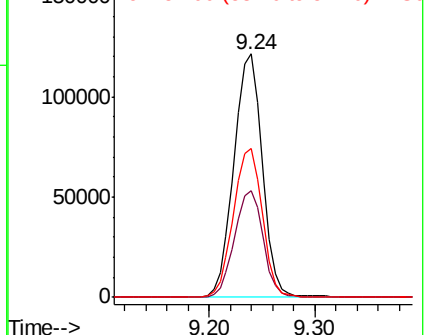
82 100

128 44.0 34.6 52.0

54 61.4 50.6 76.0



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: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG038820.D

Acq: 22 Dec 2018 16:34

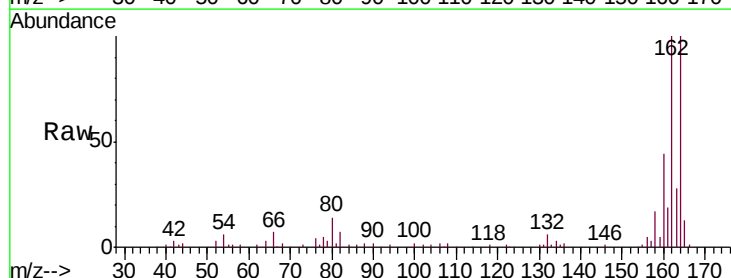
Tgt Ion: 164 Resp: 84136

Ion Ratio Lower Upper

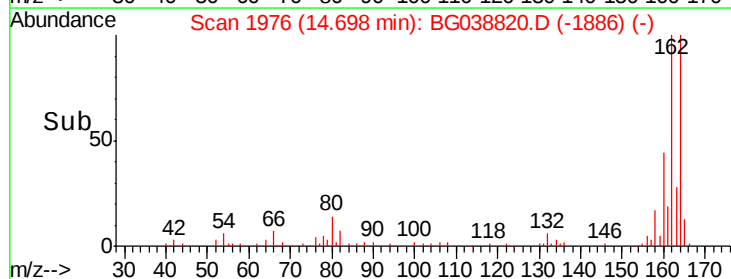
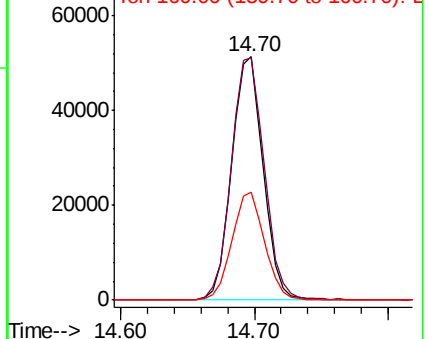
164 100

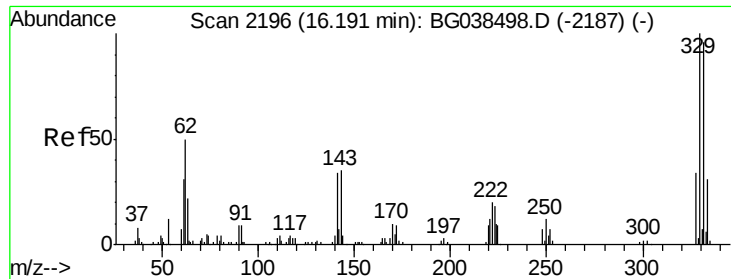
162 99.6 86.6 130.0

160 44.3 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

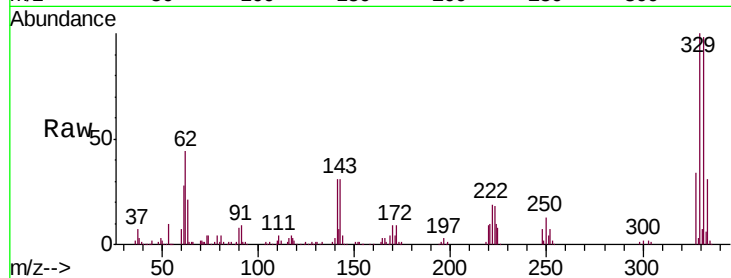




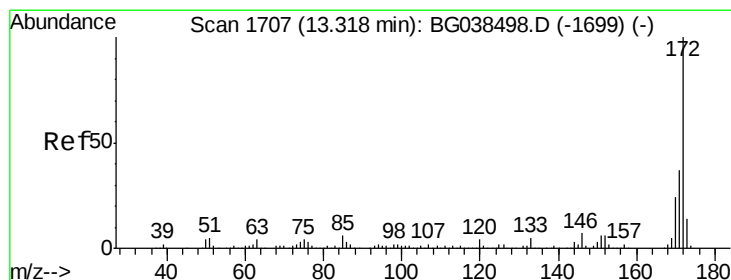
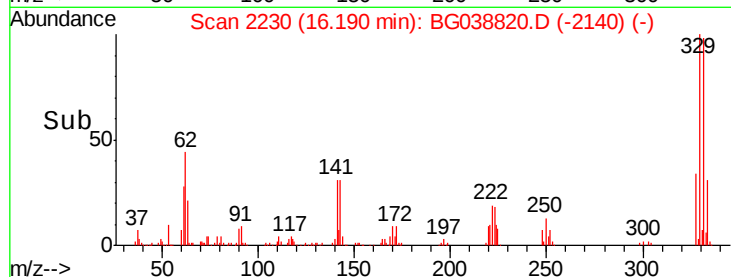
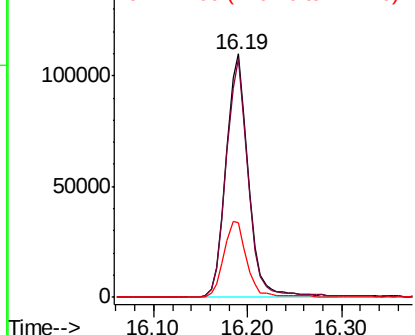
#42
 2,4,6-Tribromophenol
 Concen: 157.855 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. -0.00 min
 Lab File: BG038820.D
 Acq: 22 Dec 2018 16:34

Instrument :
 BNA_G
 ClientSampleId :
 DPC-91468-OS-01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.9	115.3
141	32.3	28.8	43.2

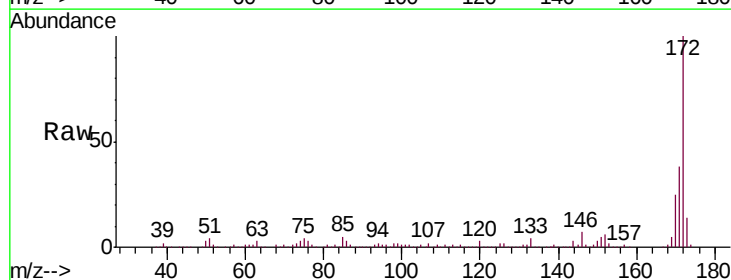


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

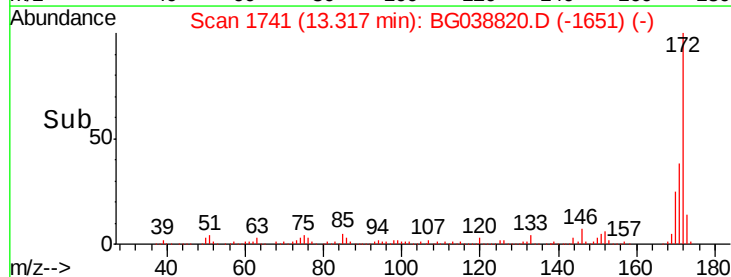
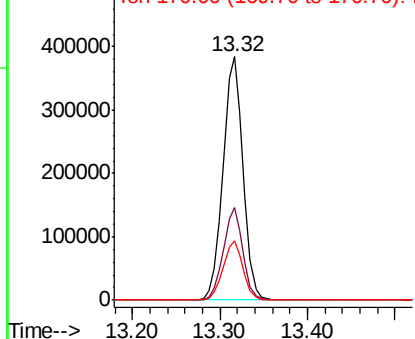


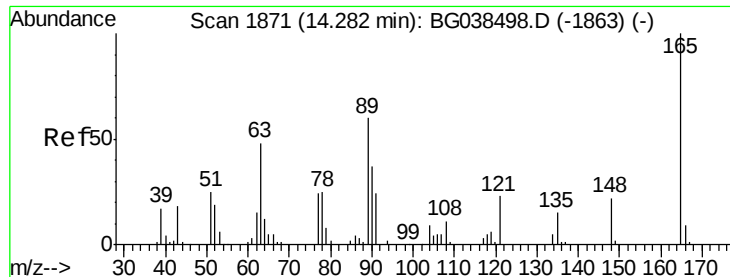
#45
 2-Fluorobiphenyl
 Concen: 98.729 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG038820.D
 Acq: 22 Dec 2018 16:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	29.8	44.6
170	24.6	19.5	29.3



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

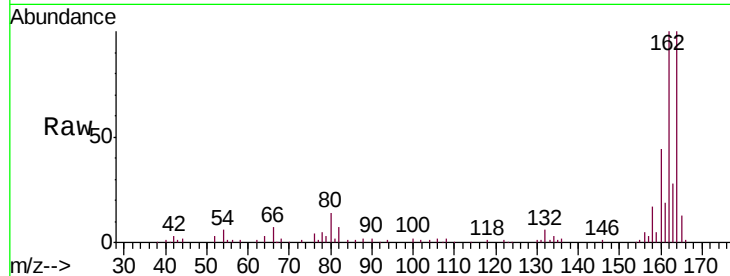




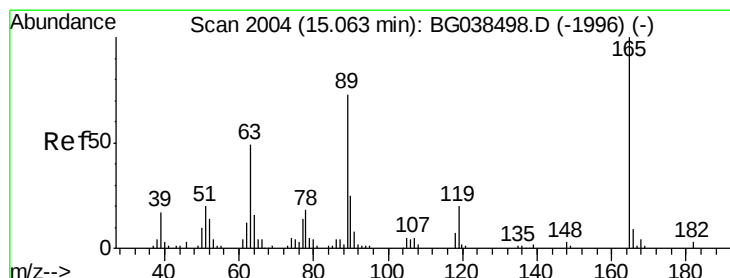
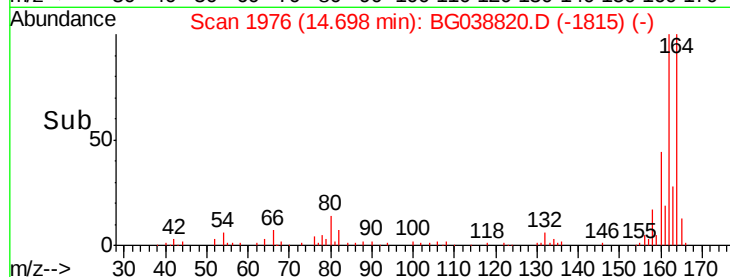
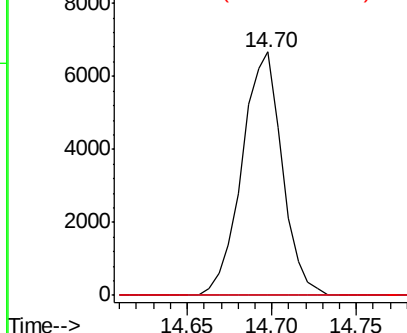
#51
 2,6-Dinitrotoluene
 Concen: 7.081 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. 0.42 min
 Lab File: BG038820.D
 Acq: 22 Dec 2018 16:34

Instrument :
 BNA_G
 ClientSampleId :
 DPC-91468-OS-01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.6#
89	0.0	47.9	71.9#



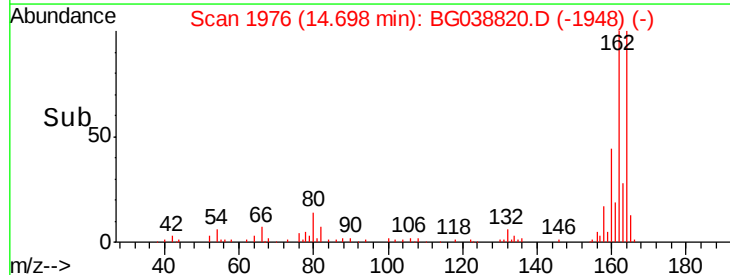
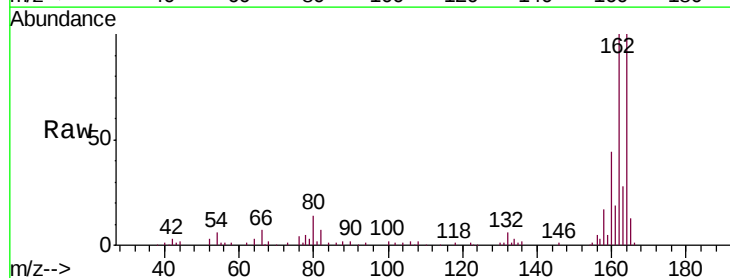
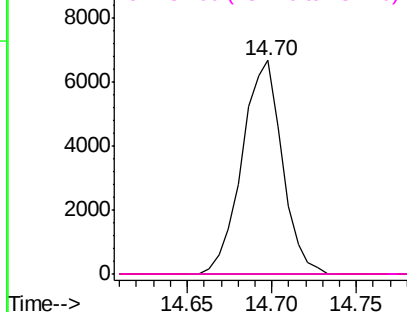
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

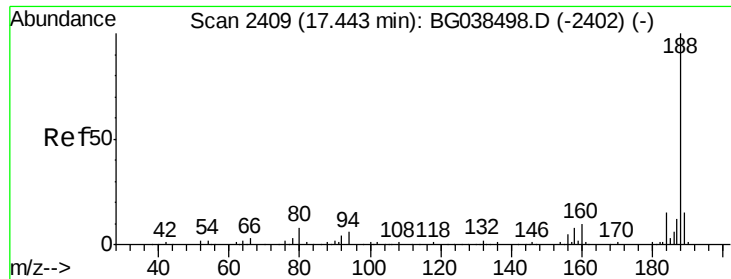


#57
 2,4-Dinitrotoluene
 Concen: 5.027 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.37 min
 Lab File: BG038820.D
 Acq: 22 Dec 2018 16:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	0.0	58.0	87.0#
182	0.0	2.3	3.5#

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
 Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.44 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG038820.D

Acq: 22 Dec 2018 16:34

Instrument :

BNA_G

ClientSampleId :

DPC-91468-OS-01

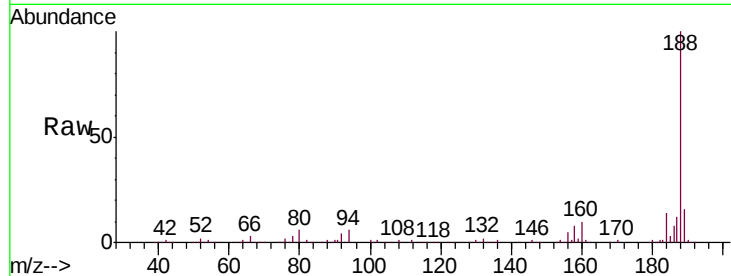
Tgt Ion:188 Resp: 187694

Ion Ratio Lower Upper

188 100

94 5.7 5.1 7.7

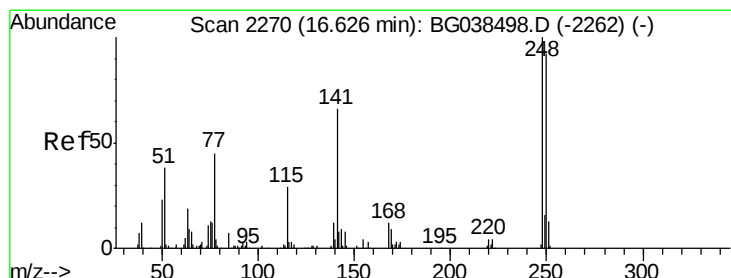
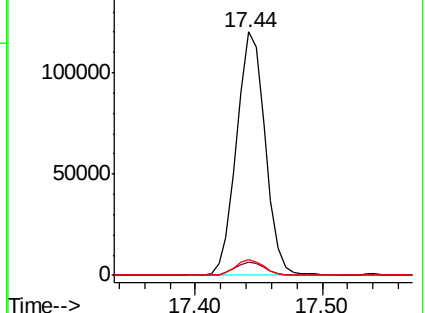
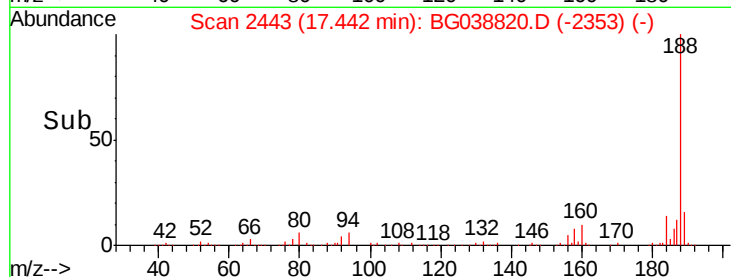
80 6.4 6.1 9.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 5.121 ng

RT: 16.19 min Scan# 2230

Delta R.T. -0.44 min

Lab File: BG038820.D

Acq: 22 Dec 2018 16:34

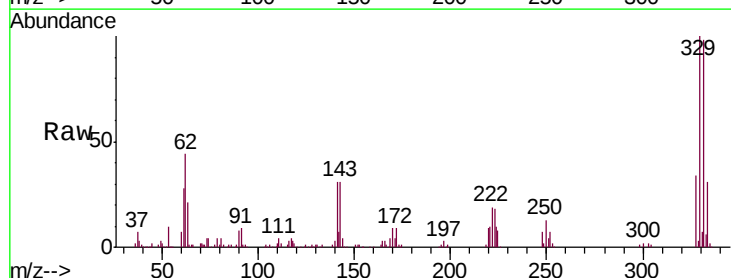
Tgt Ion:248 Resp: 11739

Ion Ratio Lower Upper

248 100

250 190.1 73.4 110.2#

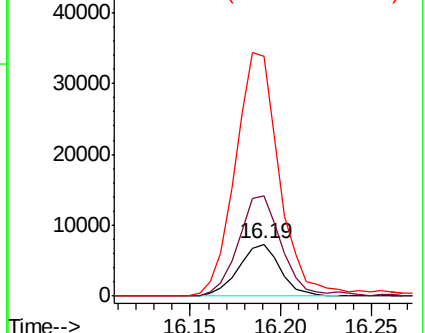
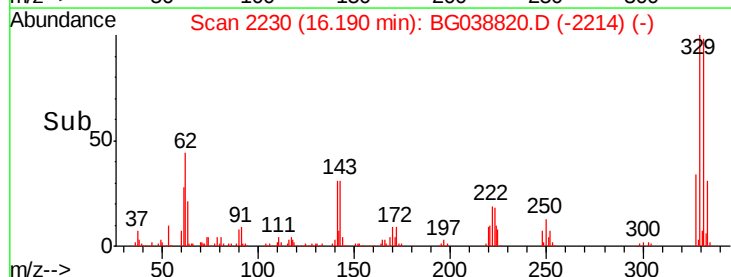
141 348.4 52.9 79.3#

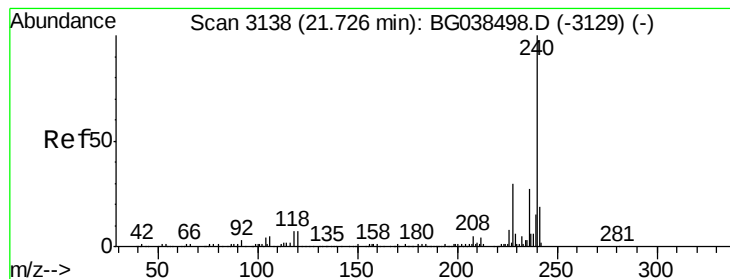


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.72 min Scan# 3172

Delta R.T. -0.00 min

Lab File: BG038820.D

Acq: 22 Dec 2018 16:34

Instrument :

BNA_G

ClientSampleId :

DPC-91468-OS-01

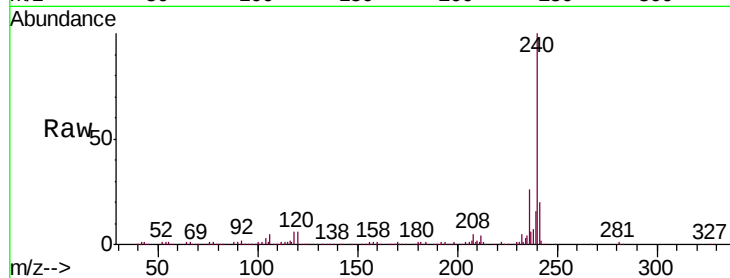
Tgt Ion:240 Resp: 190398

Ion Ratio Lower Upper

240 100

120 5.7 5.3 7.9

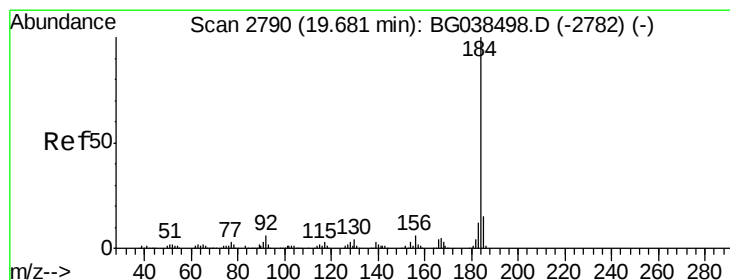
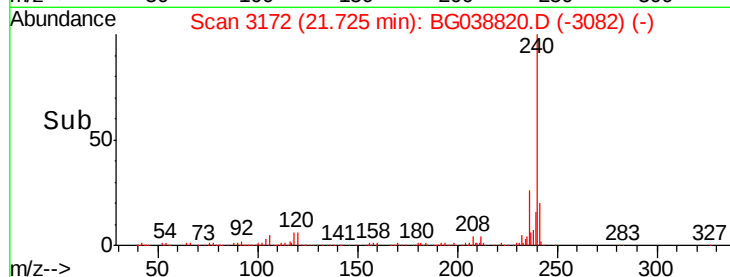
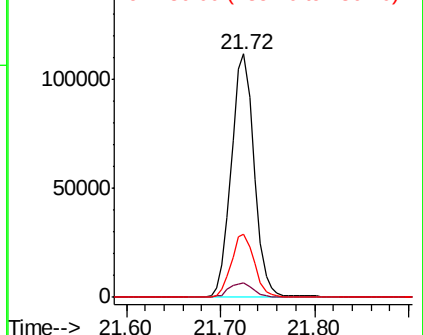
236 26.1 21.4 32.2



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: 2.949 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038820.D

Acq: 22 Dec 2018 16:34

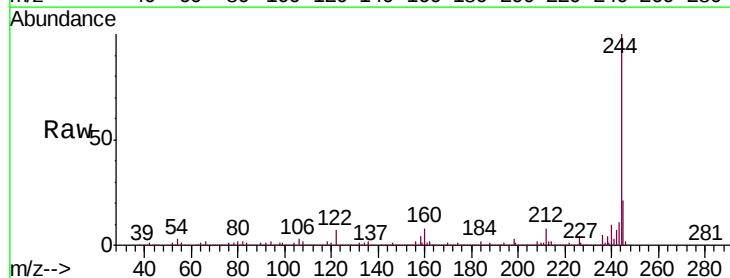
Tgt Ion:184 Resp: 16606

Ion Ratio Lower Upper

184 100

185 18.6 12.2 18.2#

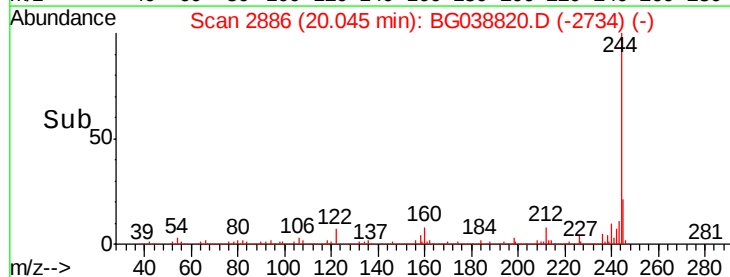
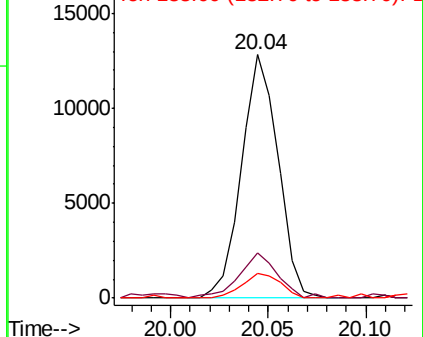
183 10.1 9.6 14.4

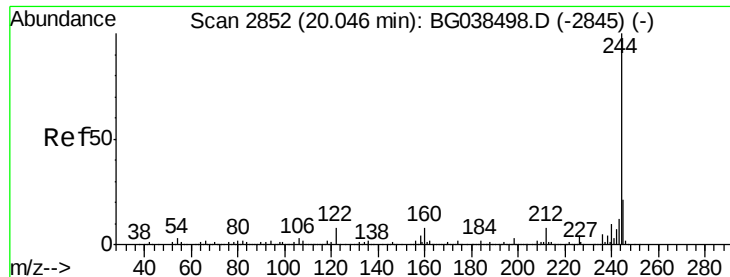


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 112.709 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038820.D

Acq: 22 Dec 2018 16:34

Instrument :

BNA_G

ClientSampleId :

DPC-91468-OS-01

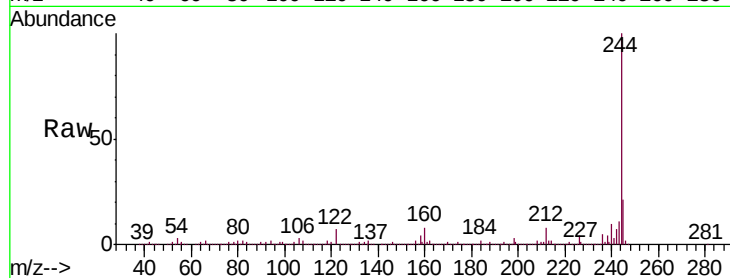
Tgt Ion:244 Resp: 986045

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

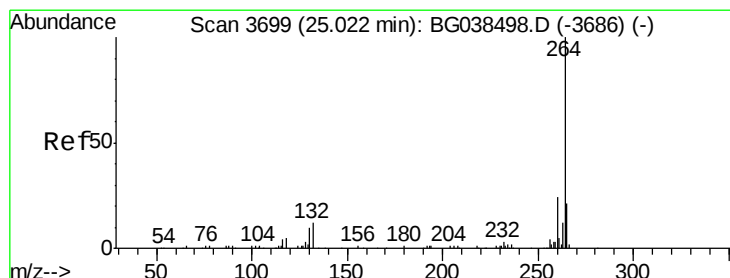
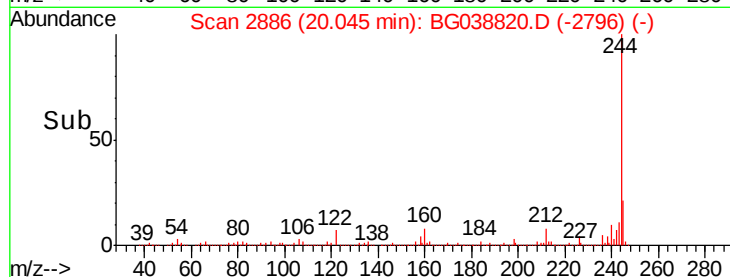
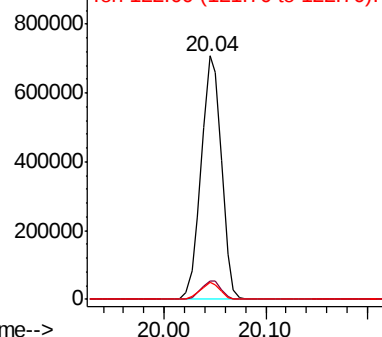
122 7.2 6.3 9.5



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: 25.03 min Scan# 3734

Delta R.T. 0.00 min

Lab File: BG038820.D

Acq: 22 Dec 2018 16:34

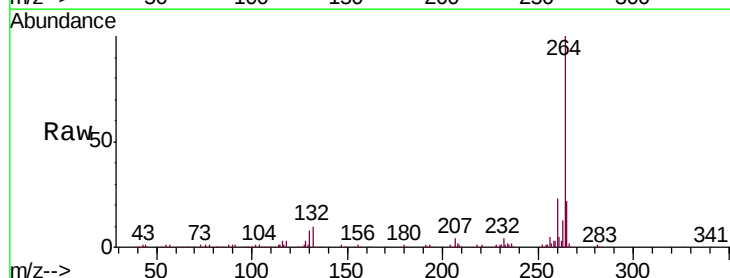
Tgt Ion:264 Resp: 203273

Ion Ratio Lower Upper

264 100

260 22.8 18.9 28.3

265 22.0 17.0 25.4



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

