

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122818\
 Data File : BG038892.D
 Acq On : 29 Dec 2018 3:01
 Operator : JU/SJ
 Sample : PB116049BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 29 04:34:24 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

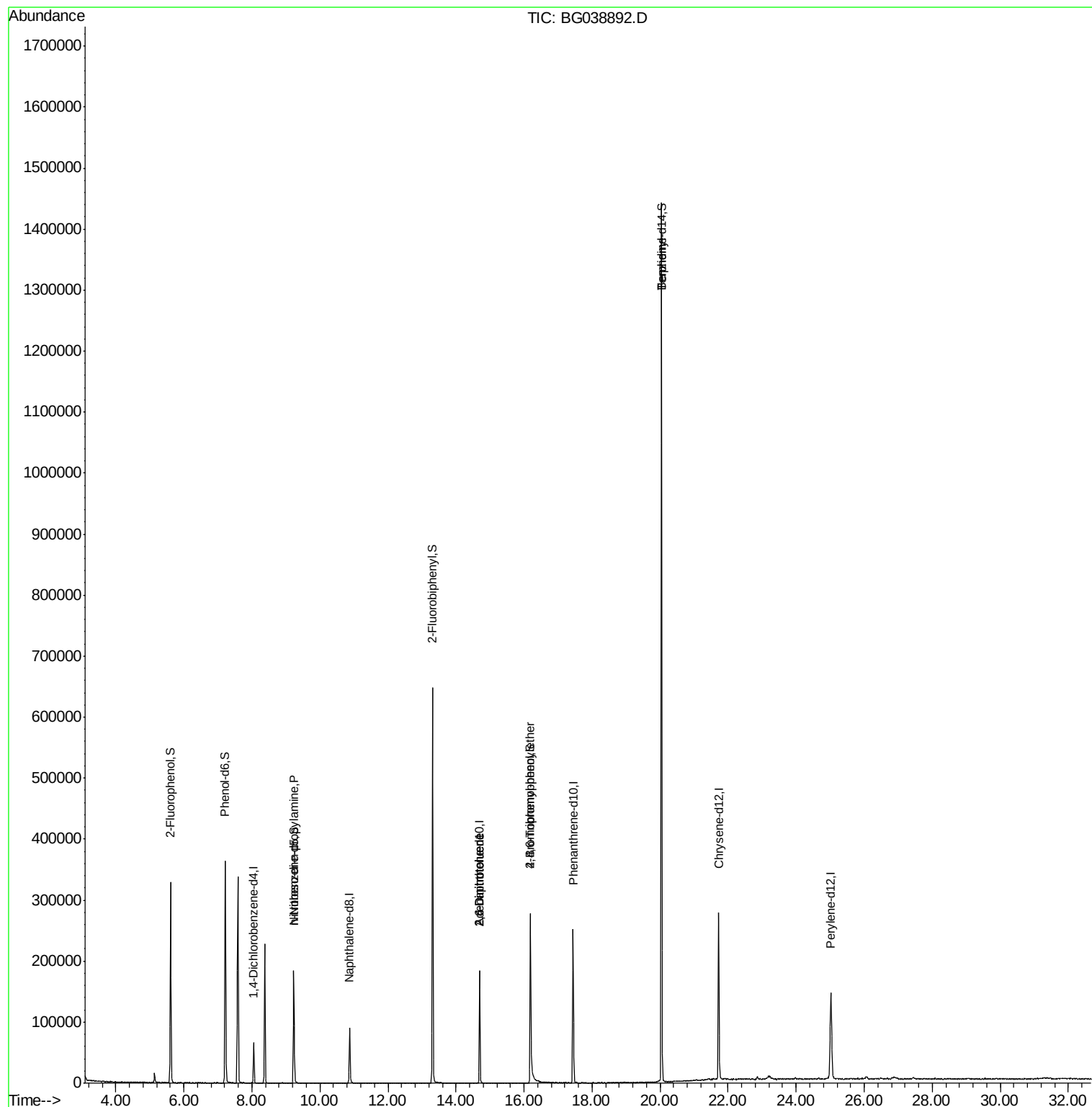
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	19383	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	85176	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	70620	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	179351	20.00	ng	0.00
76) Chrysene-d12	21.72	240	187056	20.00	ng	0.00
87) Perylene-d12	25.02	264	197246	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	147363	134.85	ng	0.00
7) Phenol-d6	7.22	99	221540	147.67	ng	0.01
23) Nitrobenzene-d5	9.24	82	115538	69.30	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	83501	85.79	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	364906	70.89	ng	0.00
79) Terphenyl-d14	20.04	244	723703	84.20	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	15396	14.612	ng	# 65
51) 2,6-Dinitrotoluene	14.69	165	8775	6.714	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	8775	4.767	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	4856	2.217	ng	# 1
77) Benzidine	20.04	184	11431	2.066	ng	# 93

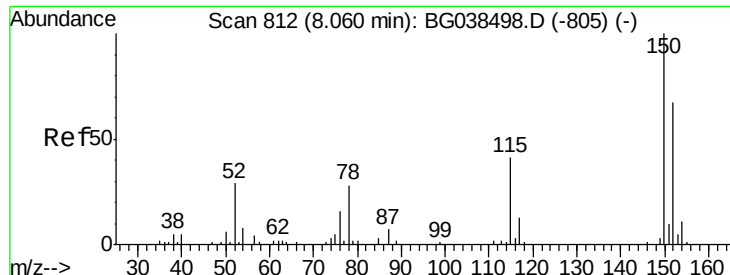
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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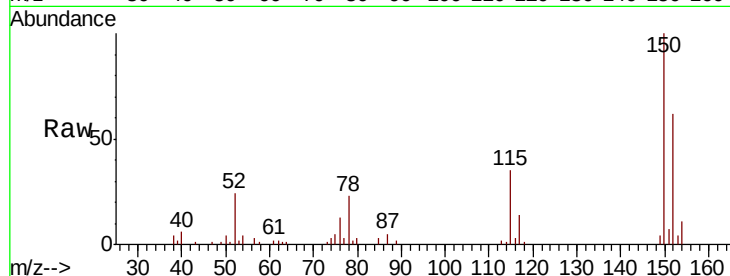


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG038892.D
Acq: 29 Dec 2018 3:01

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.4	119.5	179.3
115	56.4	49.6	74.4

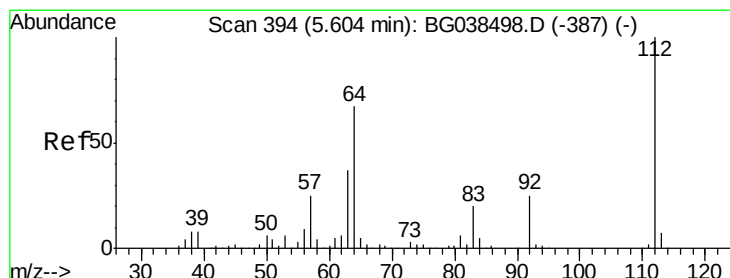
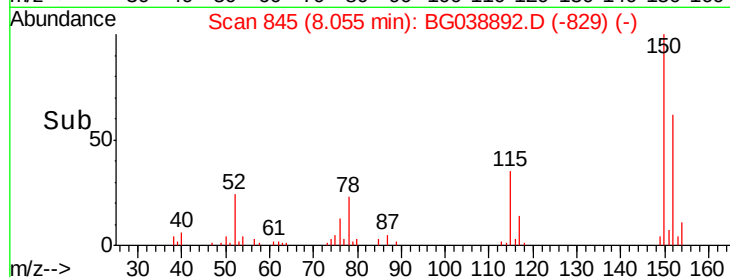
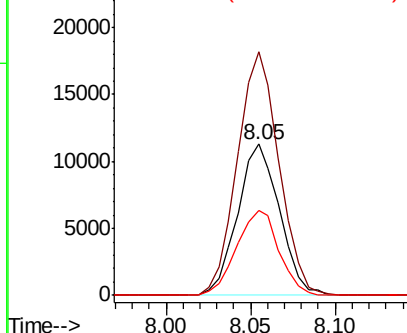


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

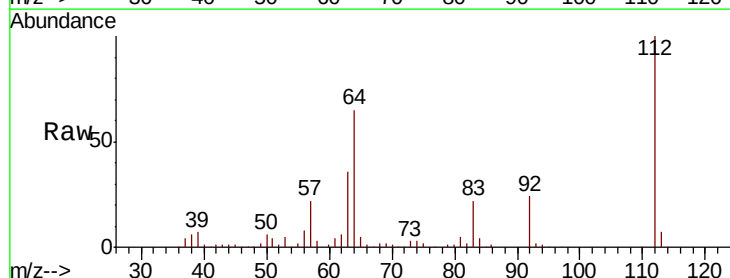
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 134.845 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038892.D
Acq: 29 Dec 2018 3:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	53.4	80.2
63	35.9	29.3	43.9

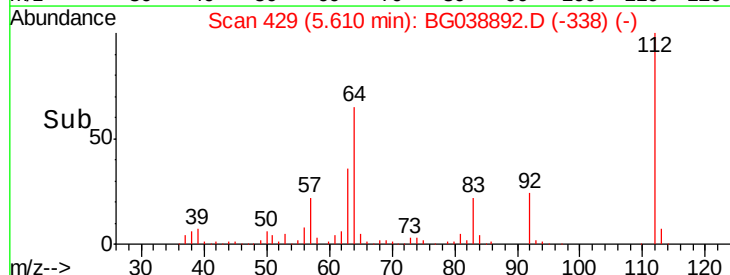
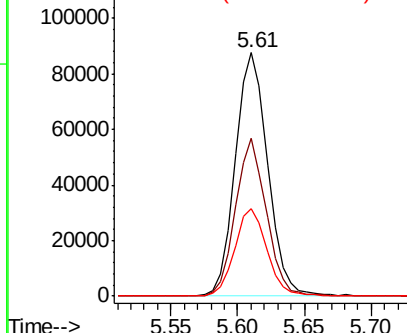


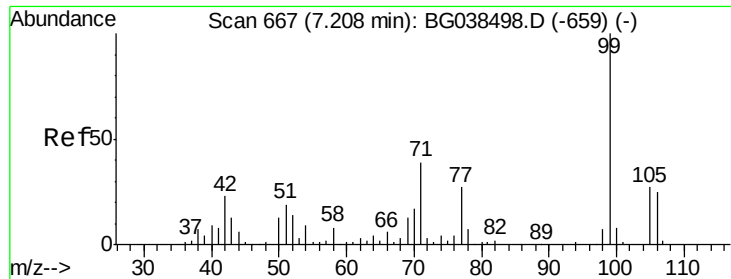
Abundance

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: 147.669 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038892.D

Acq: 29 Dec 2018 3:01

Instrument :

BNA_G

ClientSampleId :

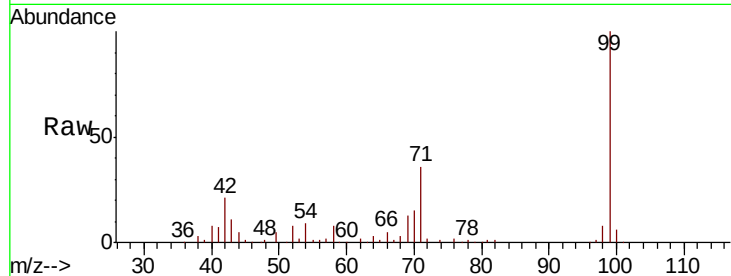
Tot Ion: 99 Resp: 221540

Ion Ratio Lower Upper

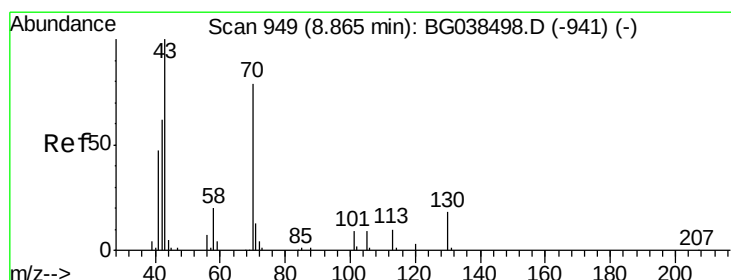
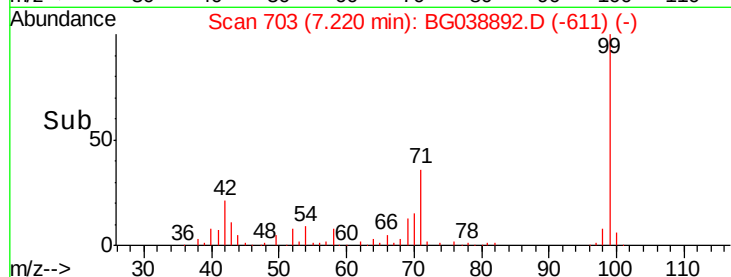
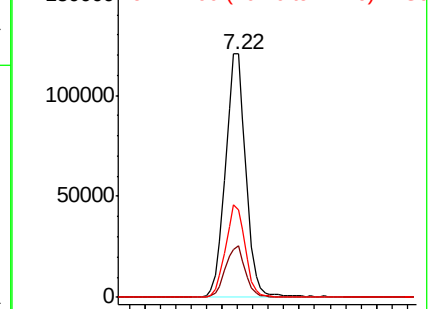
99 100

42 21.0 18.5 27.7

71 35.8 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



#19

n-Nitroso-di-n-propylamine

Concen: 14.612 ng

RT: 9.24 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038892.D

Acq: 29 Dec 2018 3:01

Tgt Ion: 70 Resp: 15396

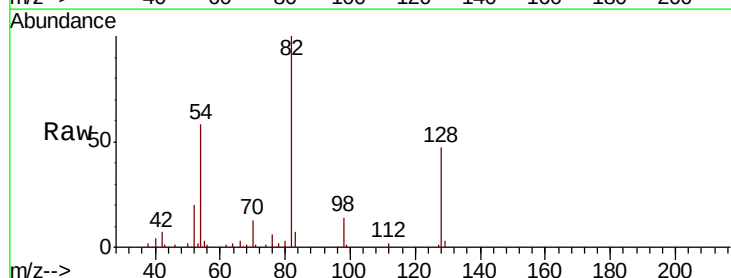
Ion Ratio Lower Upper

70 100

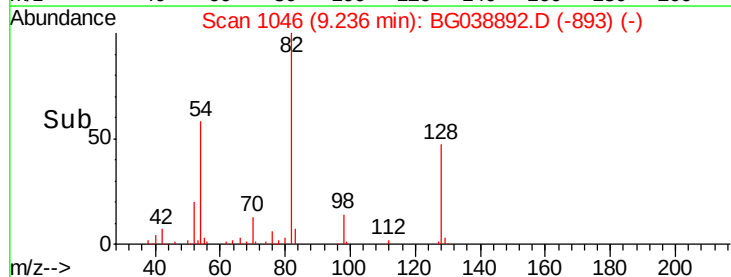
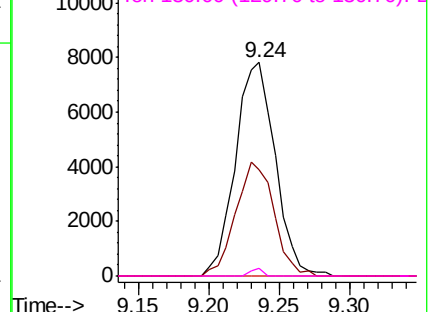
42 49.6 63.6 95.4#

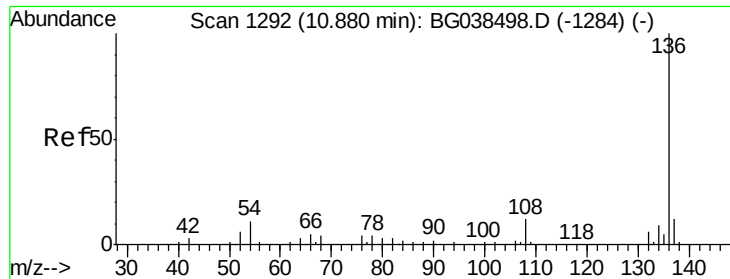
101 0.0 9.2 13.8#

130 3.4 18.5 27.7#



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

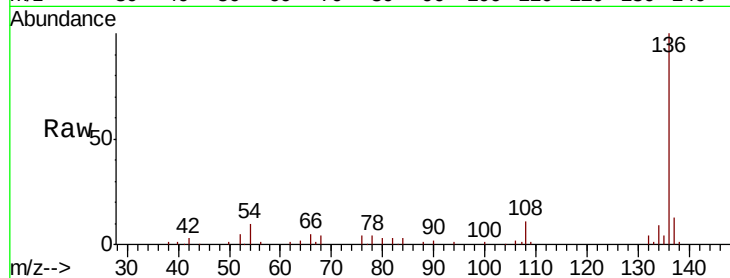




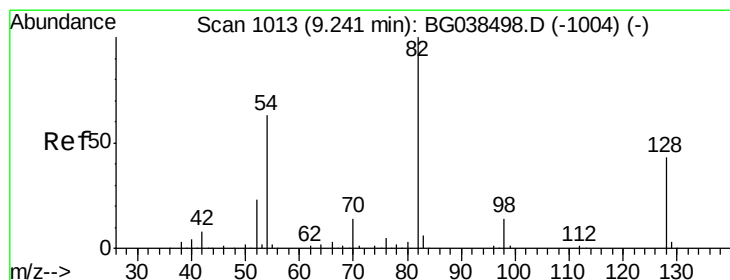
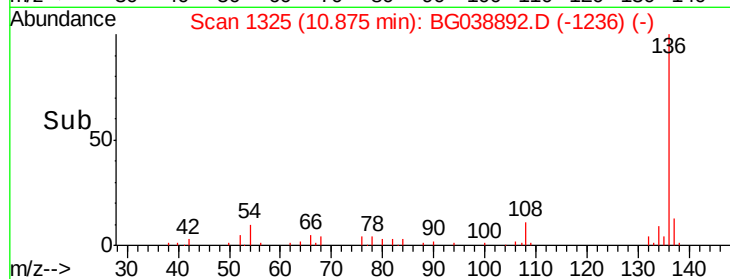
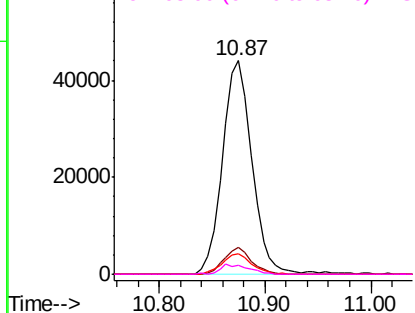
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038892.D
Acq: 29 Dec 2018 3:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	85176
Ion Ratio	Lower	Upper
136	100	
137	12.9	9.3 13.9
54	9.6	8.5 12.7
68	4.4	3.5 5.3

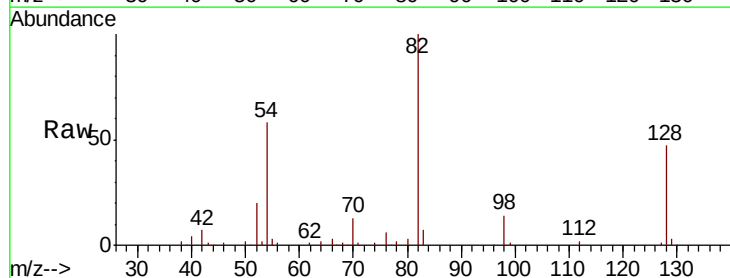


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

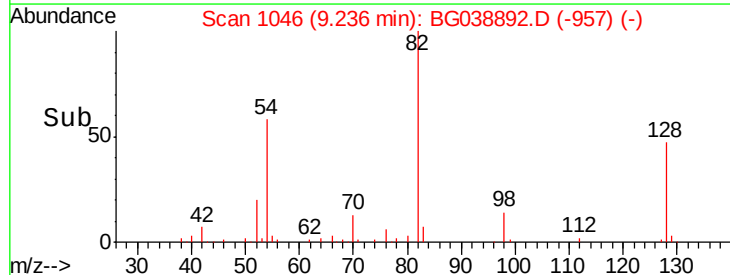
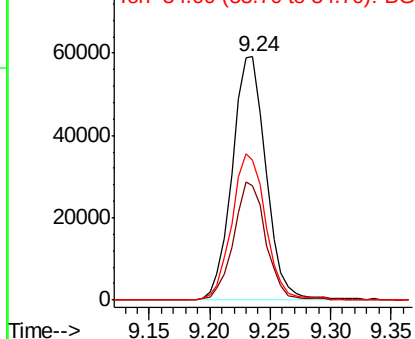


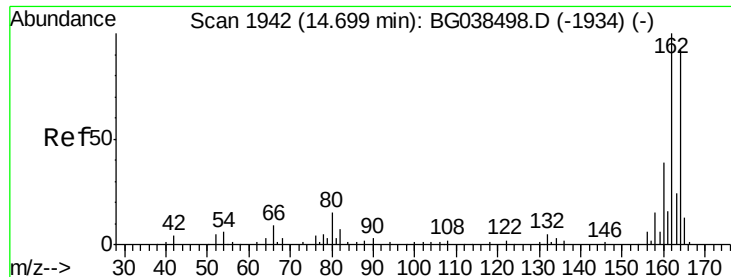
#23
Nitrobenzene-d5
Concen: 69.298 ng
RT: 9.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038892.D
Acq: 29 Dec 2018 3:01

Tgt Ion: 82	Resp:	115538
Ion Ratio	Lower	Upper
82	100	
128	47.0	34.6 52.0
54	57.6	50.6 76.0



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.00 min

Lab File: BG038892.D

Acq: 29 Dec 2018 3:01

Instrument :

BNA_G

ClientSampleId :

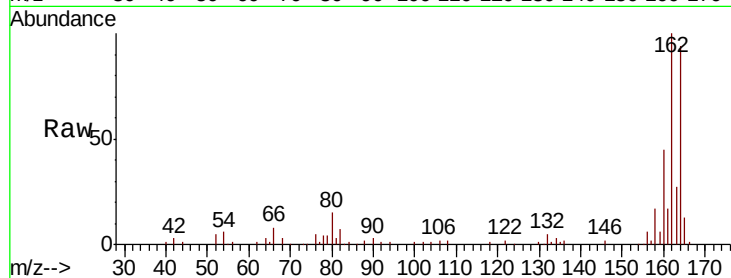
Tot Ion:164 Resp: 70620

Ion Ratio Lower Upper

164 100

162 106.2 86.6 130.0

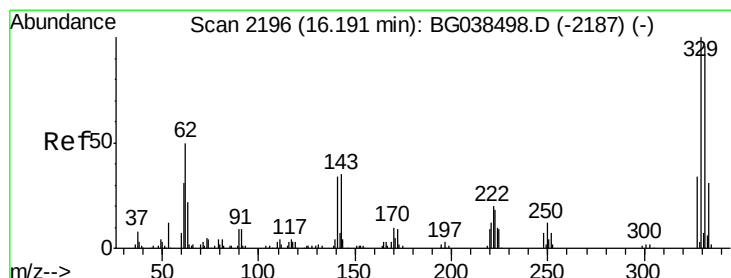
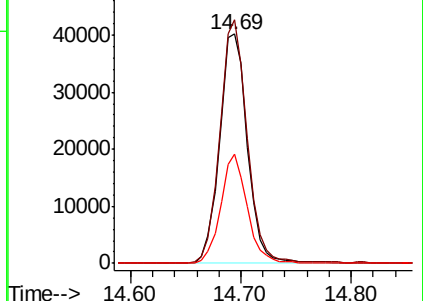
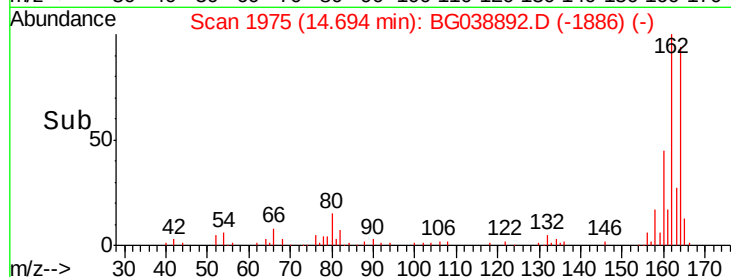
160 47.8 34.2 51.2



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: 85.794 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG038892.D

Acq: 29 Dec 2018 3:01

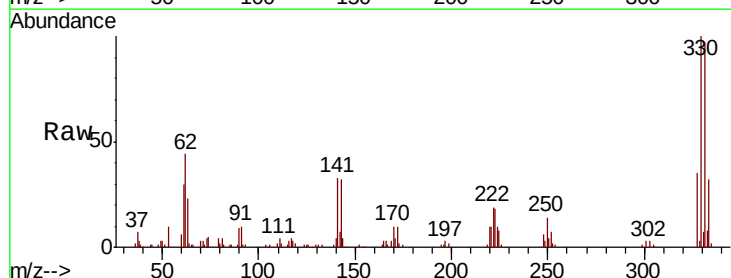
Tgt Ion:330 Resp: 83501

Ion Ratio Lower Upper

330 100

332 96.1 76.9 115.3

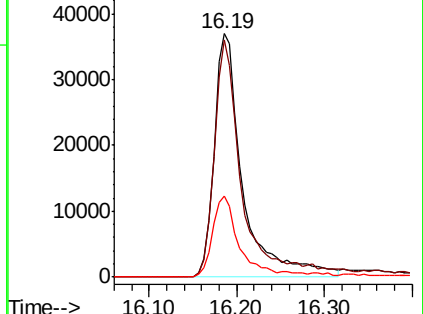
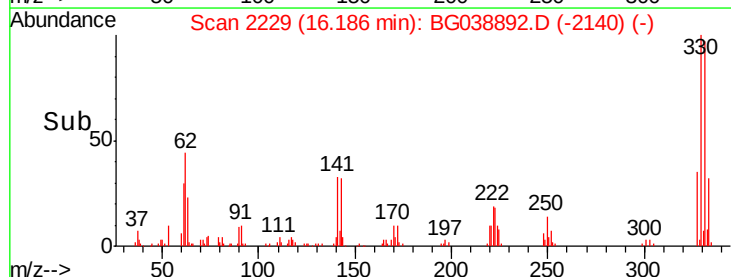
141 31.7 28.8 43.2

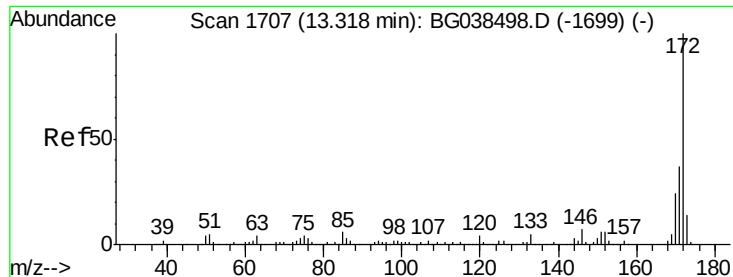


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 70.886 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.00 min

Lab File: BG038892.D

Acq: 29 Dec 2018 3:01

Instrument :

BNA_G

ClientSampled :

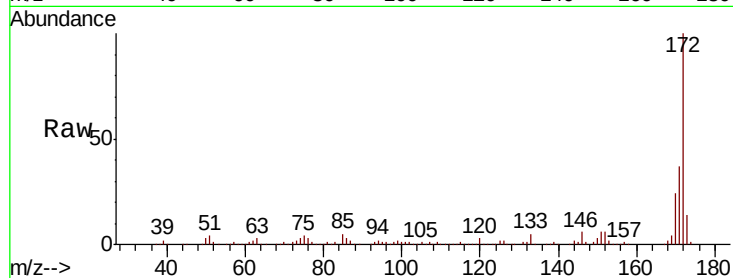
Tot Ion:172 Resp: 364906

Ion Ratio Lower Upper

172 100

171 37.5 29.8 44.6

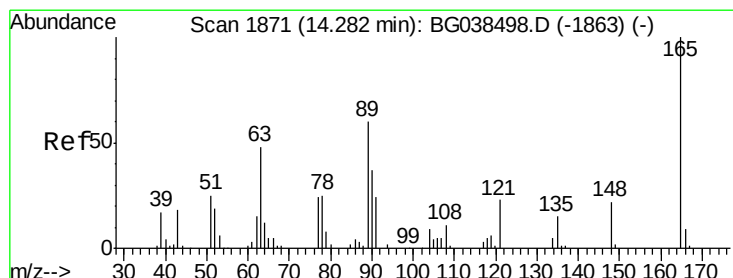
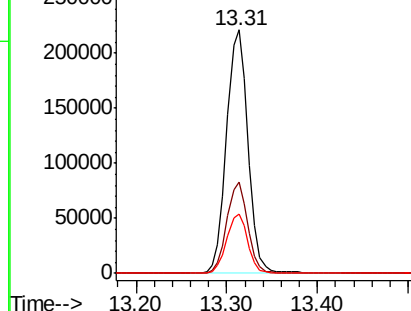
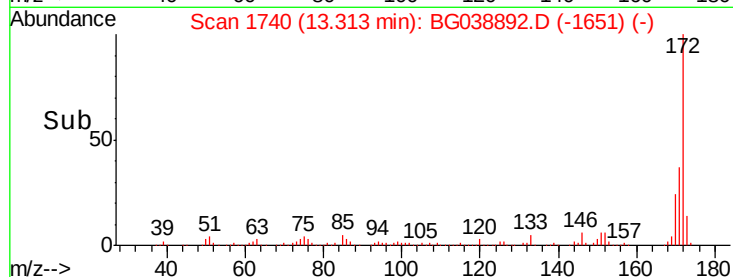
170 24.5 19.5 29.3



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: 6.714 ng

RT: 14.69 min Scan# 1975

Delta R.T. 0.41 min

Lab File: BG038892.D

Acq: 29 Dec 2018 3:01

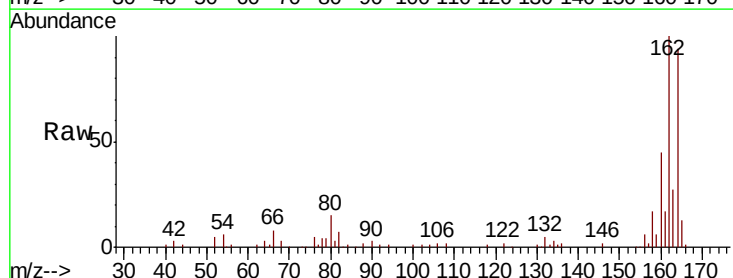
Tgt Ion:165 Resp: 8775

Ion Ratio Lower Upper

165 100

63 0.0 51.8 77.6#

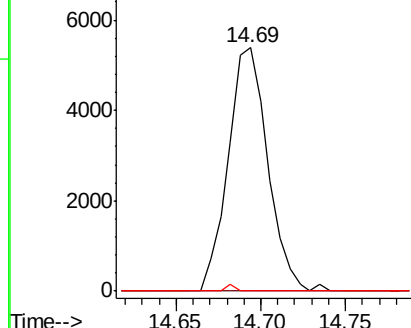
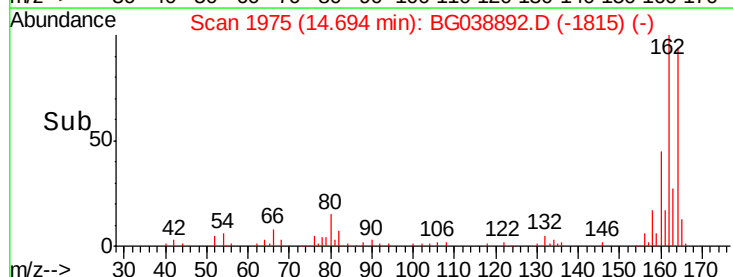
89 0.0 47.9 71.9#

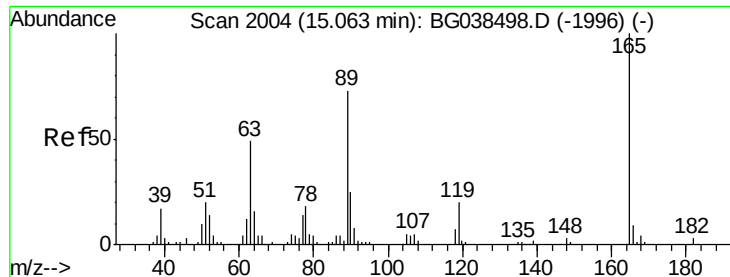


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

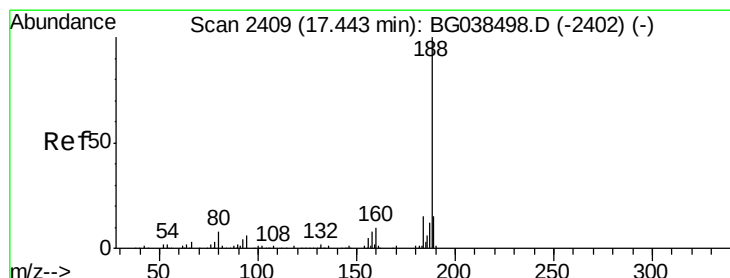
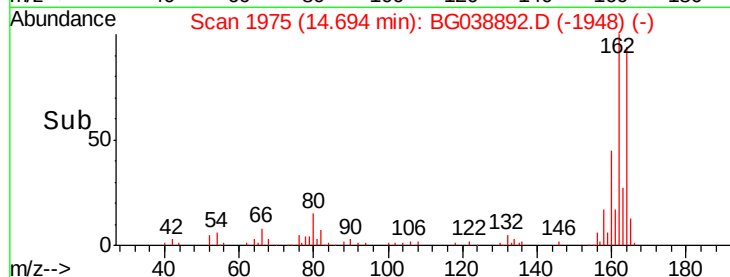
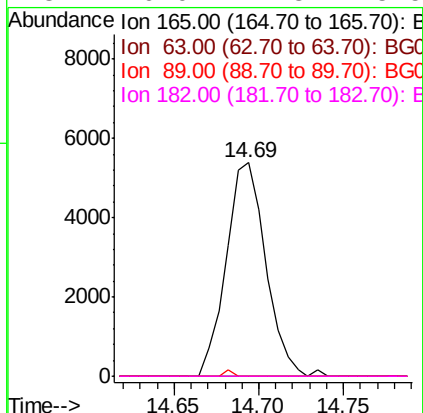
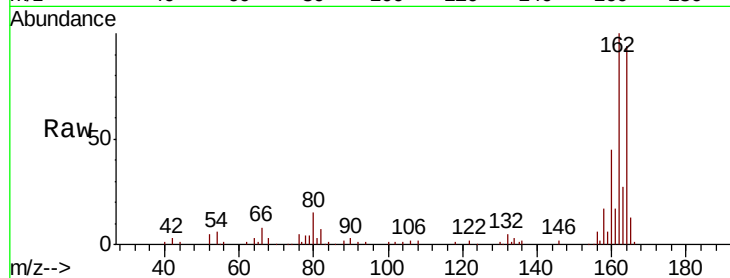




#57
 2,4-Dinitrotoluene
 Concen: 4.767 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038892.D
 Acq: 29 Dec 2018 3:01

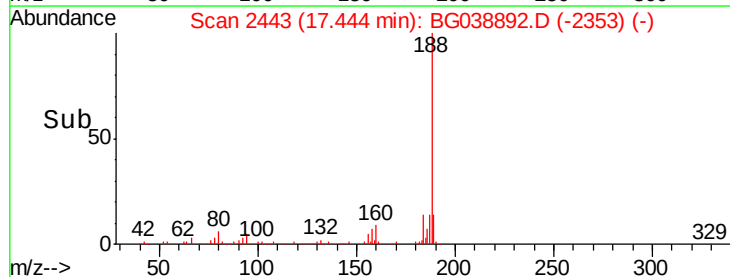
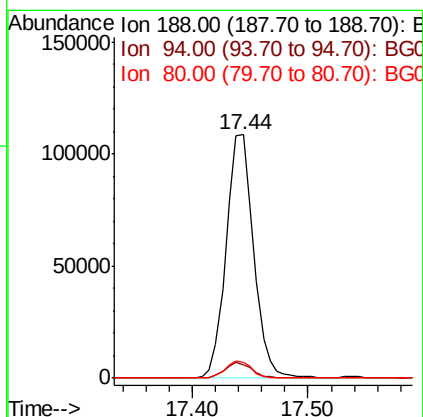
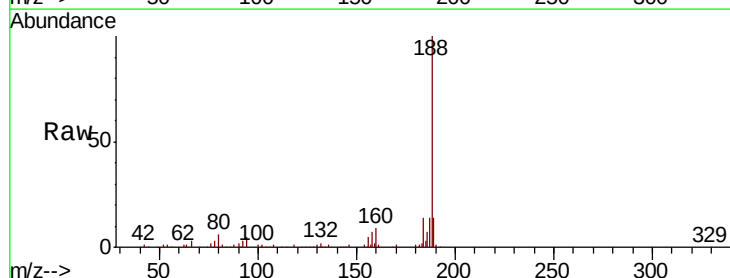
Instrument :
 BNA_G
 ClientSampleId :

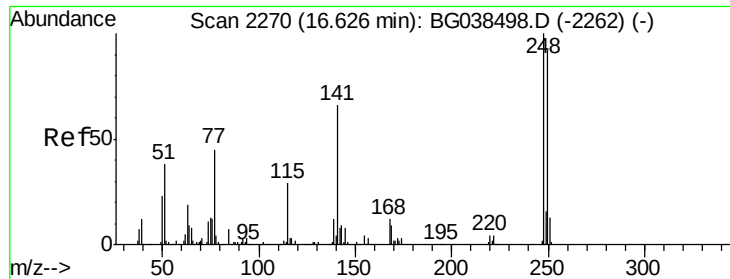
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	0.0	58.0	87.0#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BG038892.D
 Acq: 29 Dec 2018 3:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.5	5.1	7.7
80	6.5	6.1	9.1

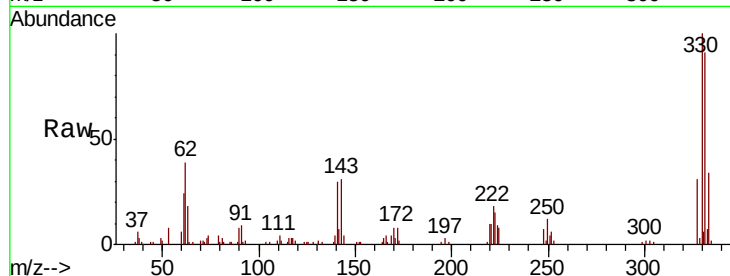




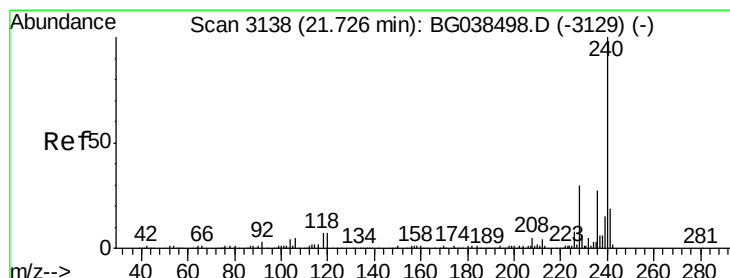
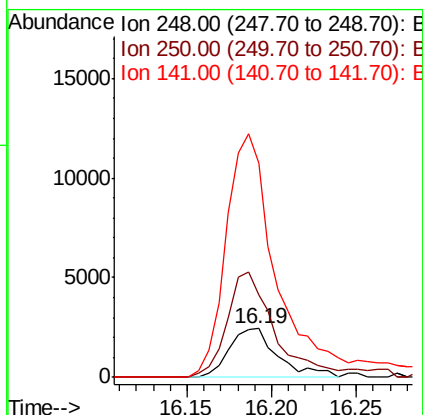
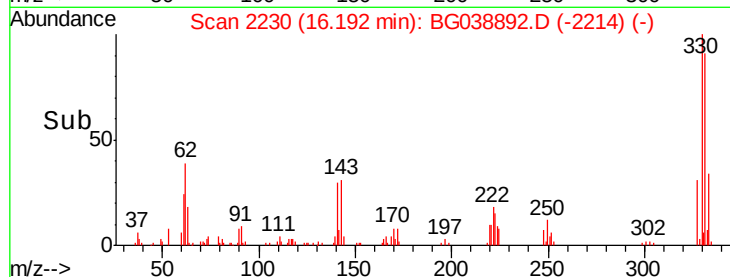
#67
4-Bromophenyl-phenylether
Concen: 2.217 ng
RT: 16.19 min Scan# 2230
Delta R.T. -0.43 min
Lab File: BG038892.D
Acq: 29 Dec 2018 3:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 4856
Ion Ratio Lower Upper
248 100
250 177.4 73.4 110.2#
141 347.8 52.9 79.3#

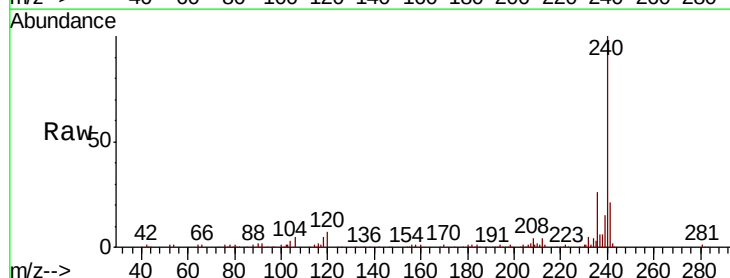


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

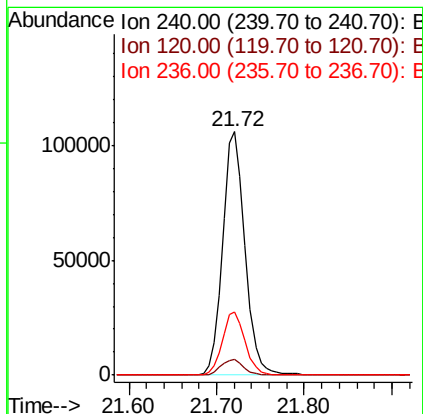
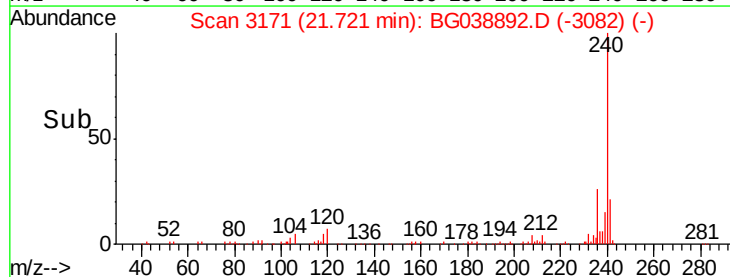


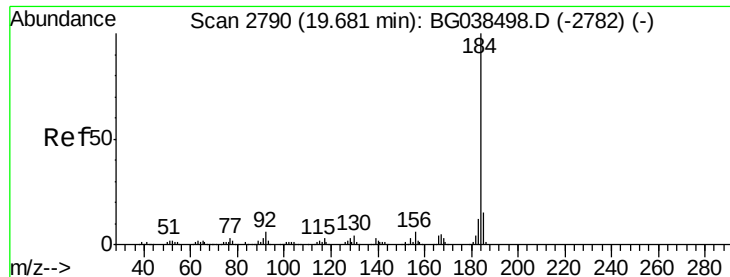
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038892.D
Acq: 29 Dec 2018 3:01

Tgt Ion:240 Resp: 187056
Ion Ratio Lower Upper
240 100
120 6.6 5.3 7.9
236 25.9 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: 2.066 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.36 min

Lab File: BG038892.D

Acq: 29 Dec 2018 3:01

Instrument :

BNA_G

ClientSampleId :

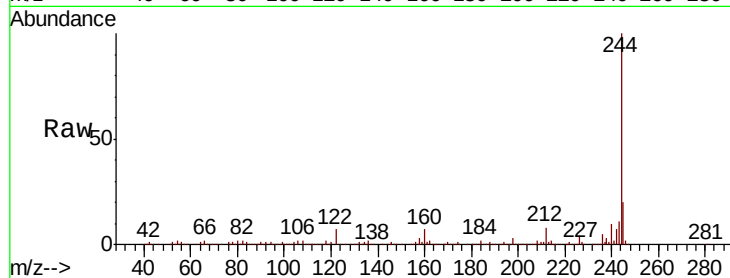
Tot Ion:184 Resp: 11431

Ion Ratio Lower Upper

184 100

185 17.0 12.2 18.2

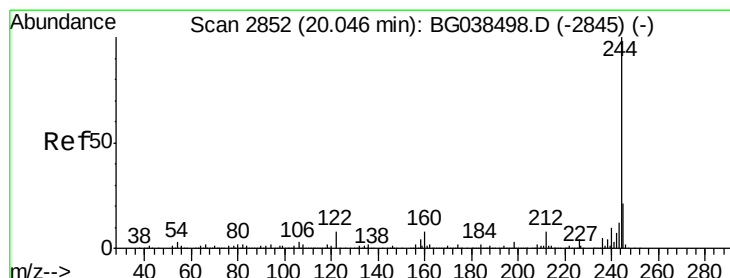
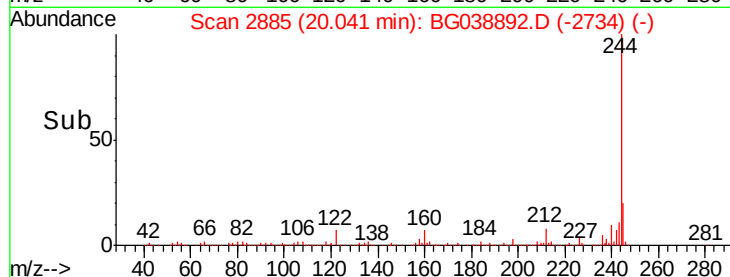
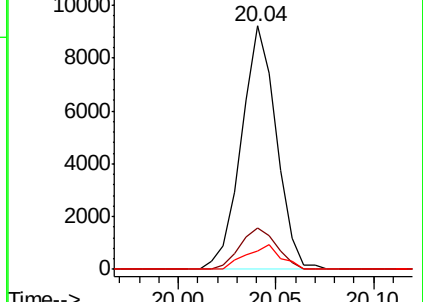
183 7.6 9.6 14.4#



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: 84.200 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BG038892.D

Acq: 29 Dec 2018 3:01

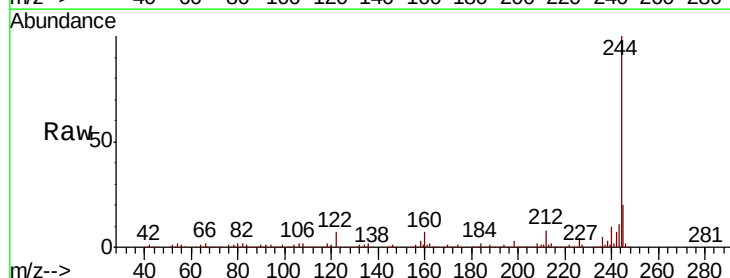
Tgt Ion:244 Resp: 723703

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

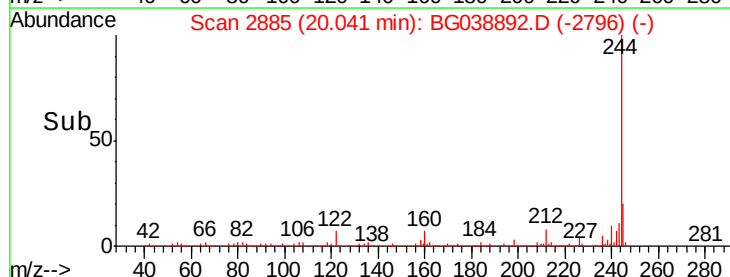
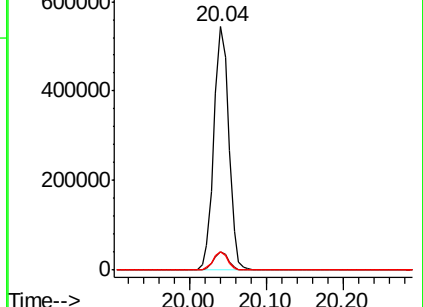
122 7.4 6.3 9.5

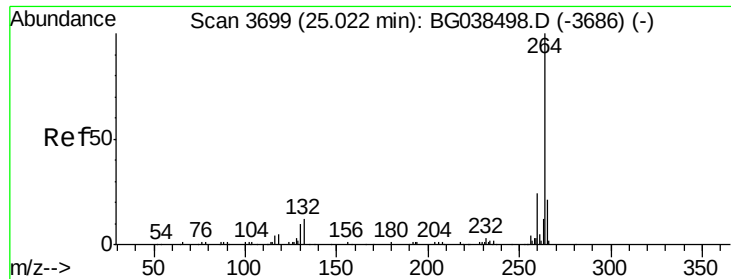


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.02 min Scan# 3732
 Delta R.T. -0.01 min
 Lab File: BG038892.D
 Acq: 29 Dec 2018 3:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	21.6	17.0	25.4

