

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122718\
 Data File : BG038858.D
 Acq On : 28 Dec 2018 00:30
 Operator : JU/SJ
 Sample : J6549-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Quant Time: Dec 28 02:44:25 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

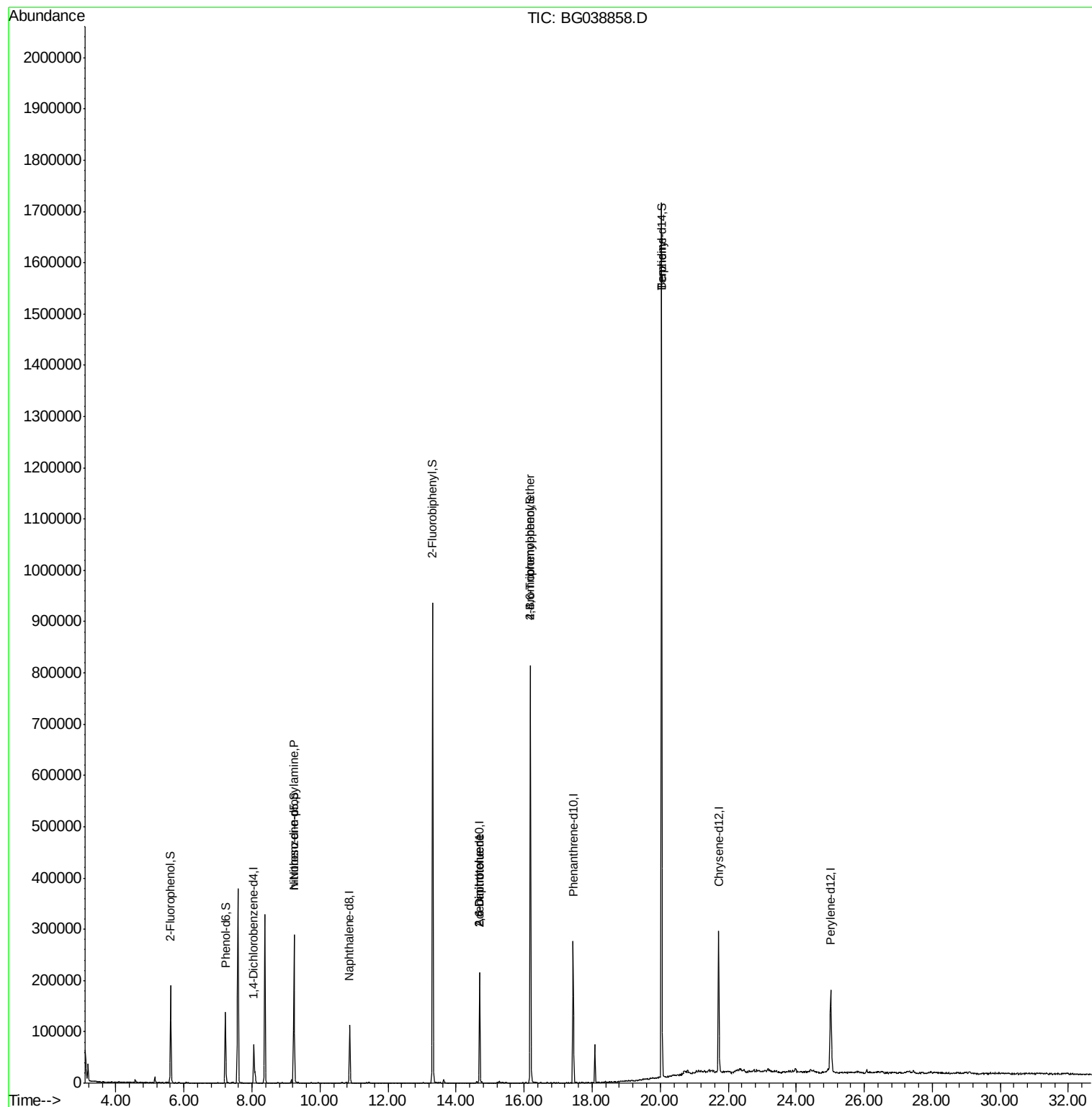
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	23015	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	102564	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	77300	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	188383	20.00	ng	0.00
76) Chrysene-d12	21.72	240	183058	20.00	ng	0.00
87) Perylene-d12	25.02	264	196986	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	84749	65.31	ng	0.00
7) Phenol-d6	7.22	99	79590	44.68	ng	0.01
23) Nitrobenzene-d5	9.23	82	170360	84.86	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	177053	166.19	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	513256	91.09	ng	0.00
79) Terphenyl-d14	20.04	244	884512	105.16	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	23136	18.492	ng	# 64
51) 2,6-Dinitrotoluene	14.69	165	9892	6.915	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	9892	4.910	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	11591	5.038	ng	# 1
77) Benzidine	20.04	184	14134	2.611	ng	# 92

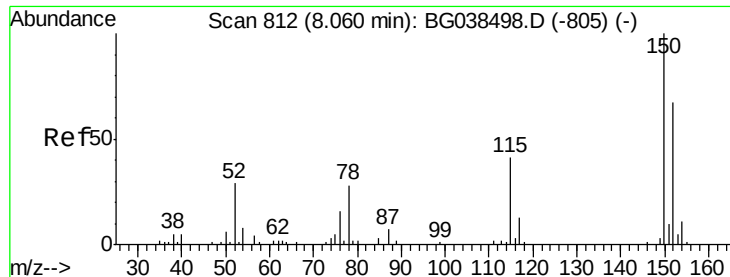
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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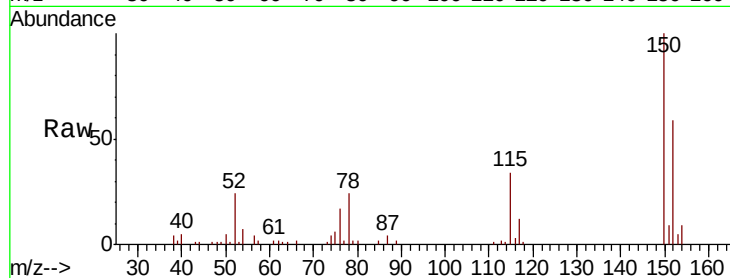


#1

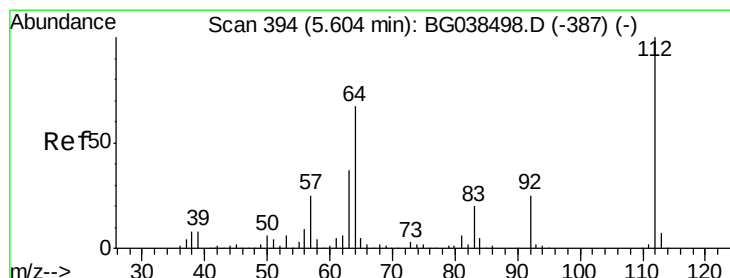
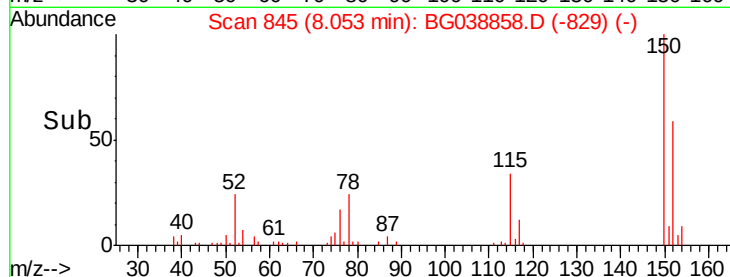
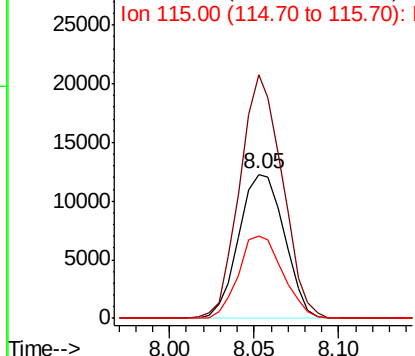
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG038858.D
Acq: 28 Dec 2018 00:30

Instrument :
BNA_G
ClientSampled :
FIELD-BLANK

Tot Ion:152 Resp: 23015
Ion Ratio Lower Upper
152 100
150 168.8 119.5 179.3
115 57.0 49.6 74.4



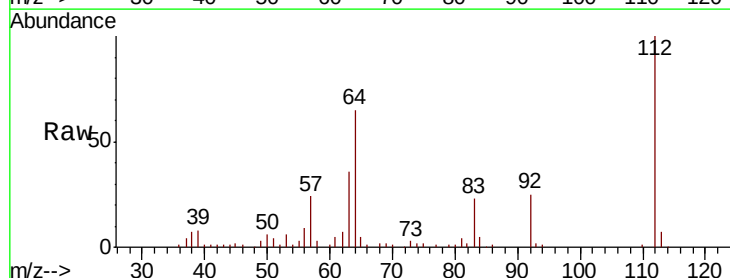
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



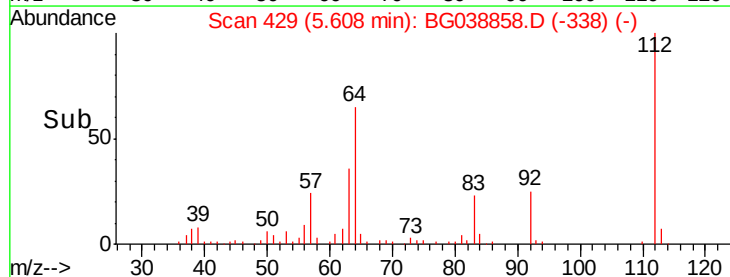
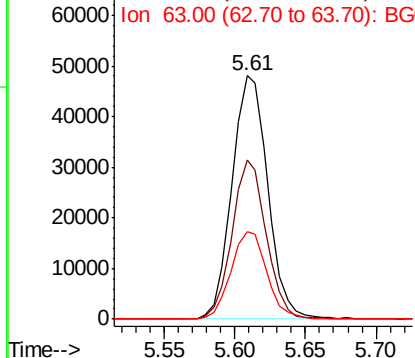
#5

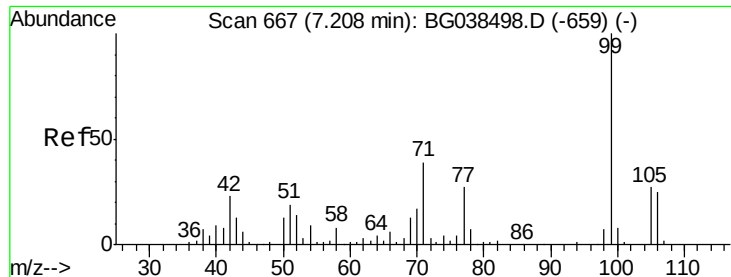
2-Fluorophenol
Concen: 65.312 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038858.D
Acq: 28 Dec 2018 00:30

Tgt Ion:112 Resp: 84749
Ion Ratio Lower Upper
112 100
64 65.4 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: 44.679 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038858.D

Acq: 28 Dec 2018 00:30

Instrument :

BNA_G

ClientSampled :

FIELD-BLANK

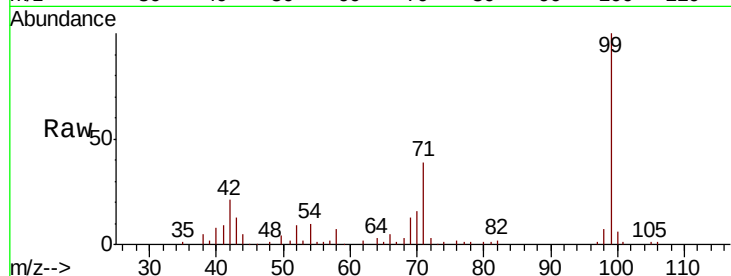
Tot Ion: 99 Resp: 79590

Ion Ratio Lower Upper

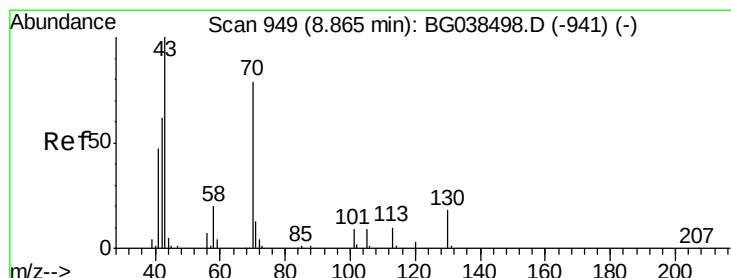
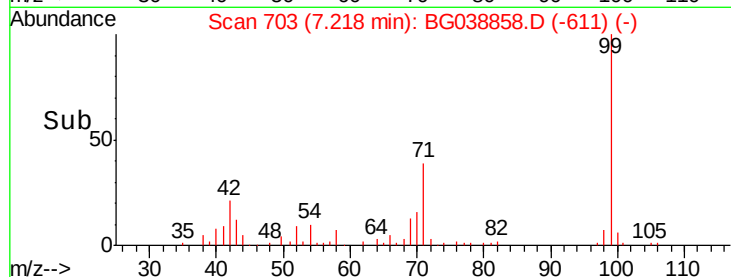
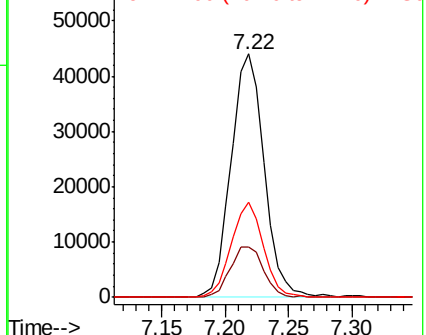
99 100

42 20.9 18.5 27.7

71 39.2 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: 18.492 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038858.D

Acq: 28 Dec 2018 00:30

Tgt Ion: 70 Resp: 23136

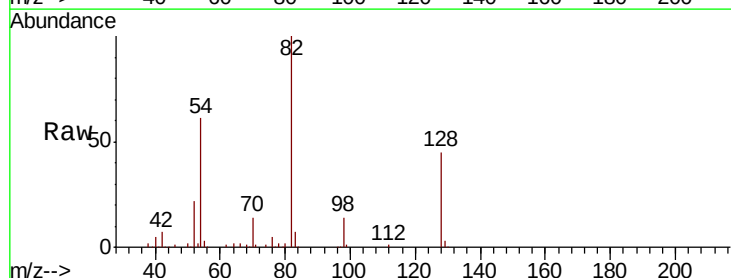
Ion Ratio Lower Upper

70 100

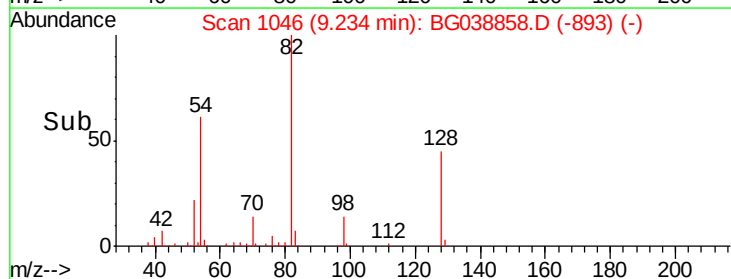
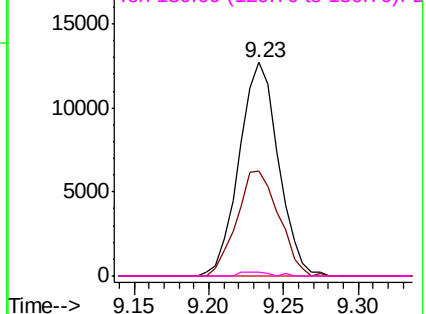
42 49.2 63.6 95.4#

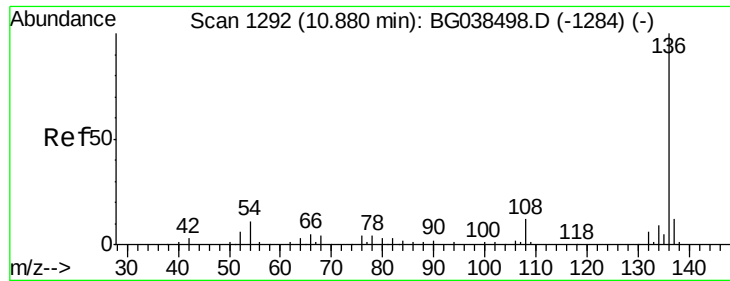
101 0.0 9.2 13.8#

130 2.1 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

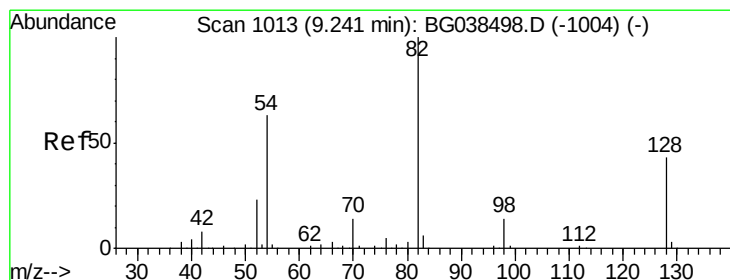
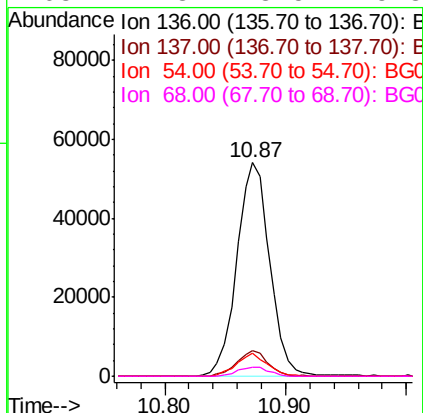
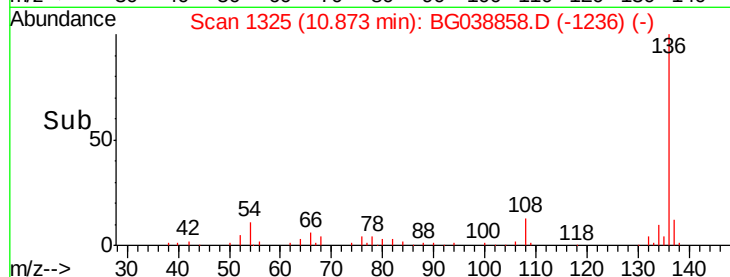
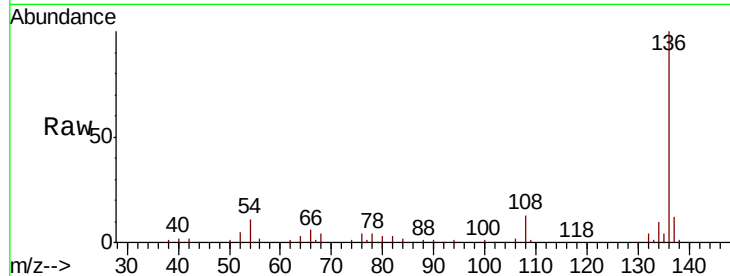




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038858.D
Acq: 28 Dec 2018 00:30

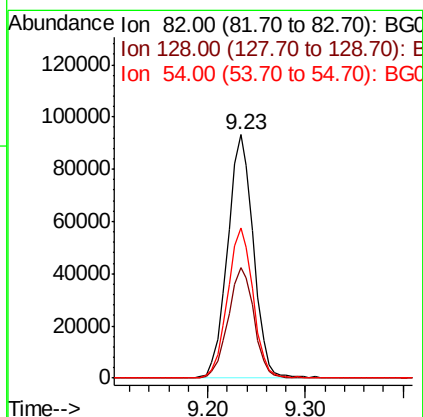
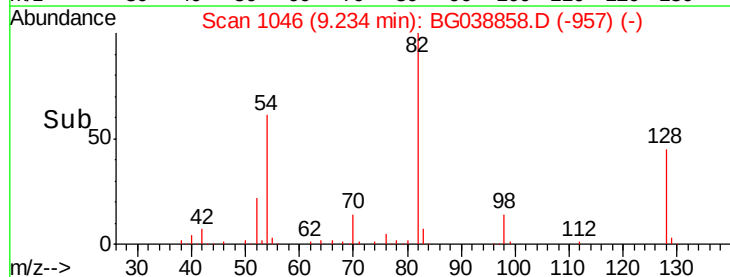
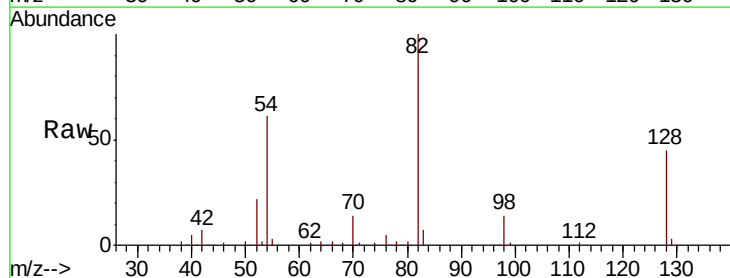
Instrument :
BNA_G
ClientSampleId :
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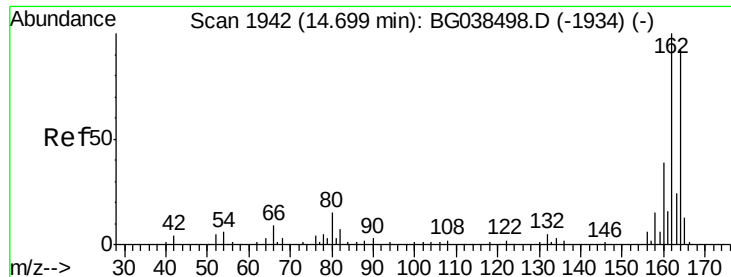
Tot Ion:136	Resp:	102564
Ion	Ratio	Lower Upper
136	100	
137	11.8	9.3 13.9
54	11.2	8.5 12.7
68	4.3	3.5 5.3



#23
Nitrobenzene-d5
Concen: 84.856 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038858.D
Acq: 28 Dec 2018 00:30

Tgt Ion: 82	Resp:	170360
Ion	Ratio	Lower Upper
82	100	
128	45.1	34.6 52.0
54	61.4	50.6 76.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG038858.D

Acq: 28 Dec 2018 00:30

Instrument :

BNA_G

ClientSampleId :

FIELD-BLANK

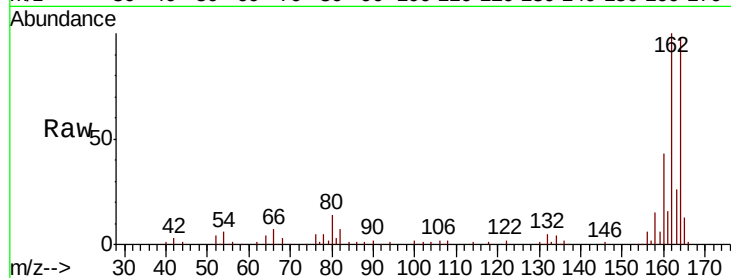
Tot Ion:164 Resp: 77300

Ion Ratio Lower Upper

164 100

162 101.8 86.6 130.0

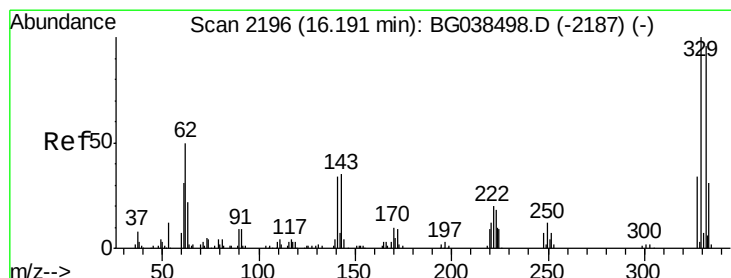
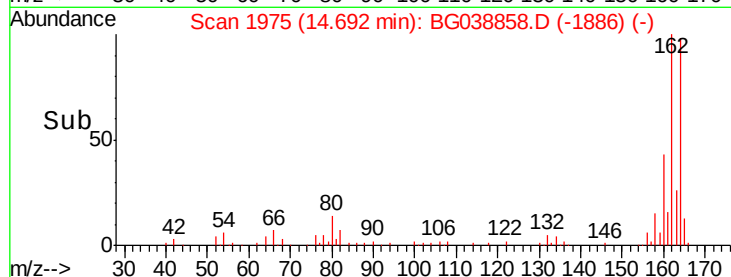
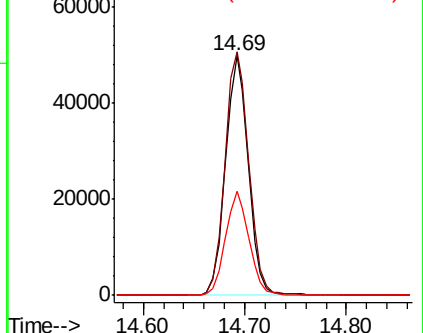
160 43.4 34.2 51.2



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: 166.195 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038858.D

Acq: 28 Dec 2018 00:30

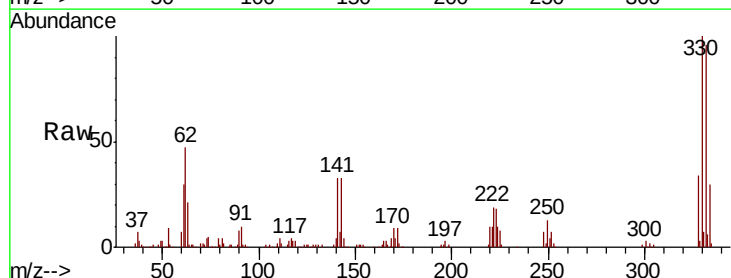
Tgt Ion:330 Resp: 177053

Ion Ratio Lower Upper

330 100

332 95.3 76.9 115.3

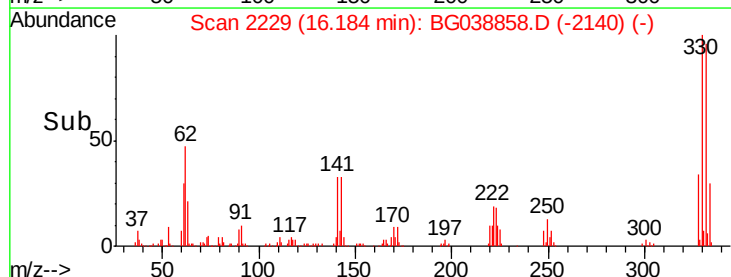
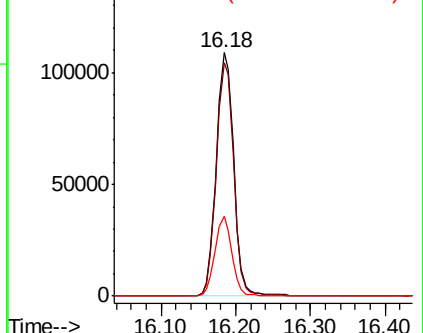
141 31.8 28.8 43.2

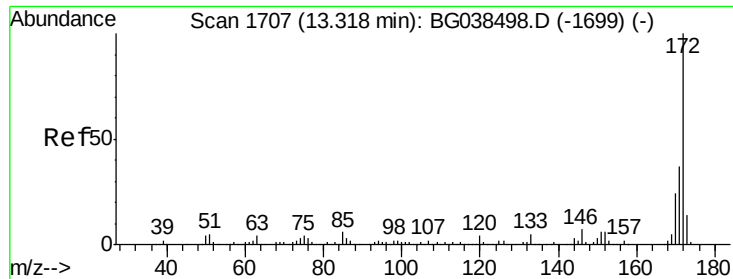


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

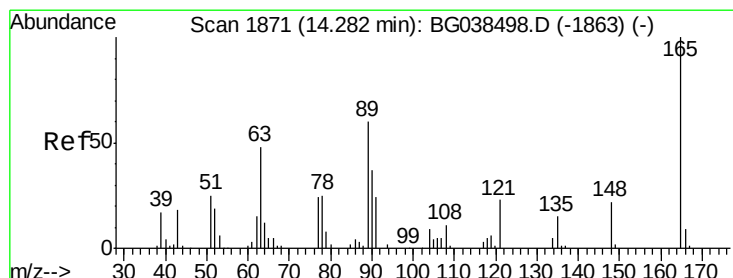
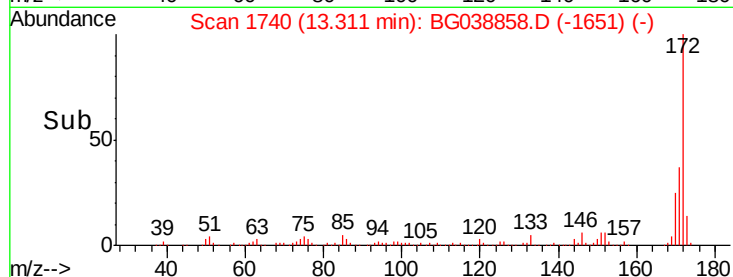
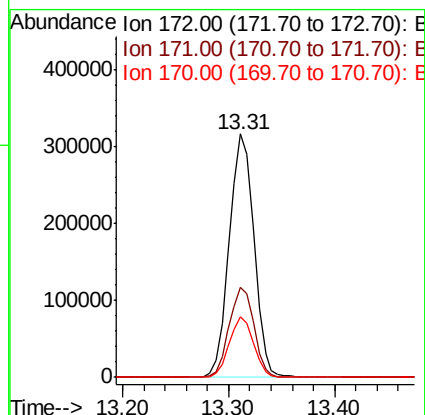
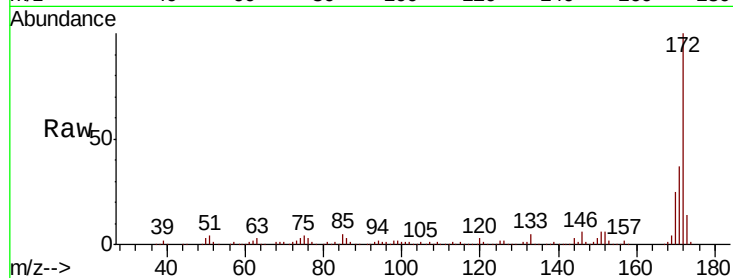




#45
 2-Fluorobiphenyl
 Concen: 91.088 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG038858.D
 Acq: 28 Dec 2018 00:30

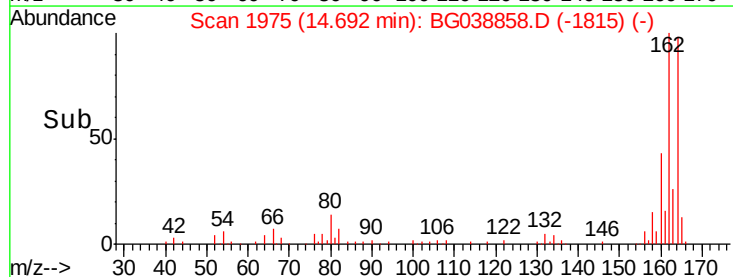
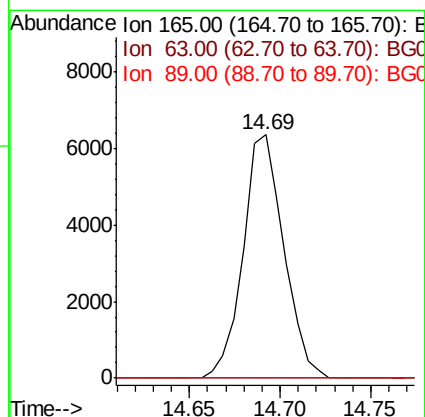
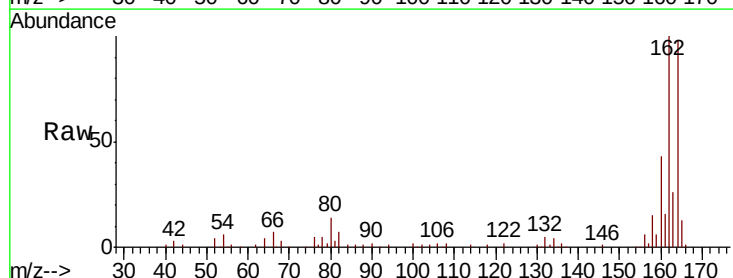
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 BNA_G
 ClientSampleId :
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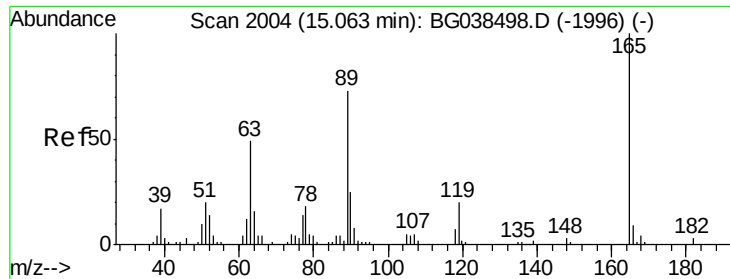
Tot Ion:172 Resp: 513256
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.8 44.6
 170 25.0 19.5 29.3



#51
 2,6-Dinitrotoluene
 Concen: 6.915 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038858.D
 Acq: 28 Dec 2018 00:30

Tgt Ion:165 Resp: 9892
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.6#
 89 0.0 47.9 71.9#





#57

2,4-Dinitrotoluene

Concen: 4.910 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.37 min

Lab File: BG038858.D

Acq: 28 Dec 2018 00:30

Instrument :

BNA_G

ClientSampleId :

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Tot Ion:165 Resp: 9892

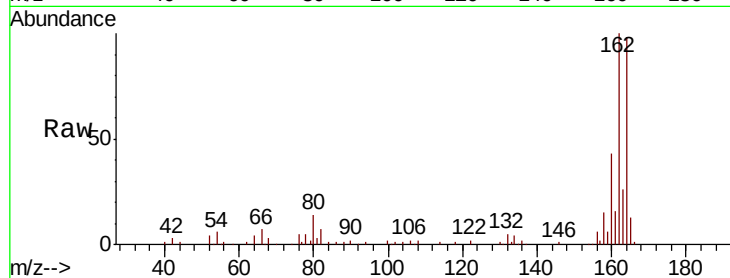
Ion Ratio Lower Upper

165 100

63 0.0 39.0 58.4#

89 0.0 58.0 87.0#

182 0.0 2.3 3.5#

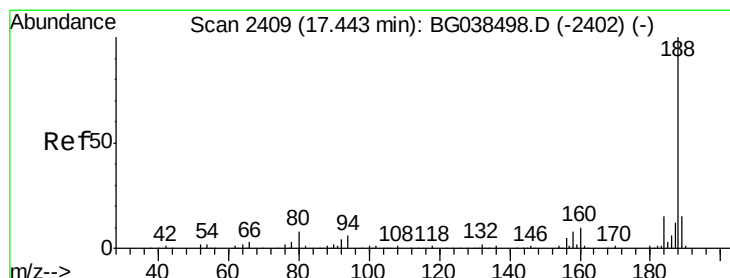
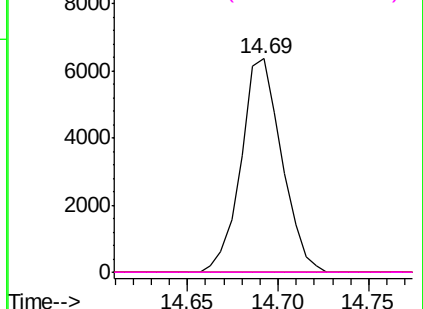
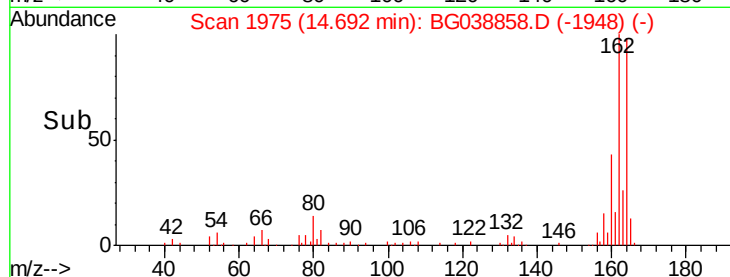


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG038858.D

Acq: 28 Dec 2018 00:30

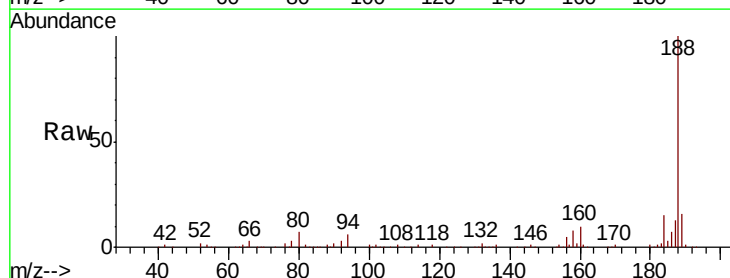
Tgt Ion:188 Resp: 188383

Ion Ratio Lower Upper

188 100

94 6.0 5.1 7.7

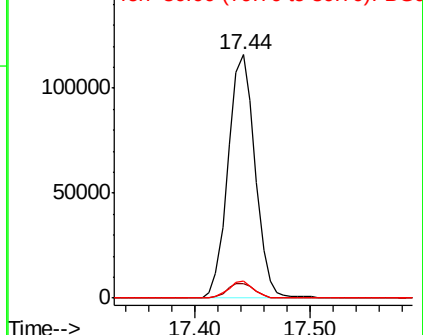
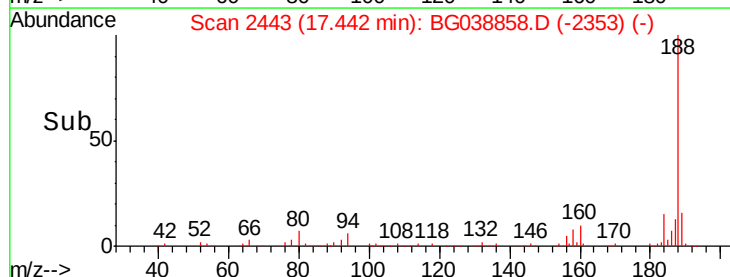
80 7.0 6.1 9.1

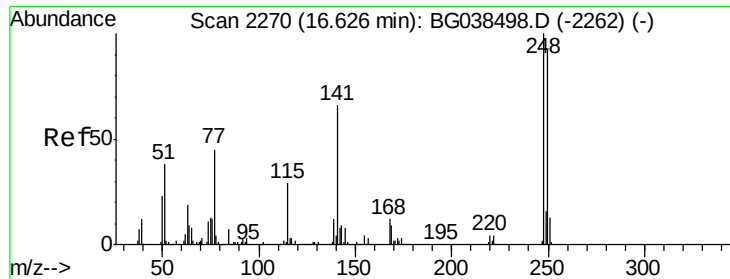


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#67

4-Bromophenyl-phenylether

Concen: 5.038 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.44 min

Lab File: BG038858.D

Acq: 28 Dec 2018 00:30

Instrument :

BNA_G

ClientSampleId :

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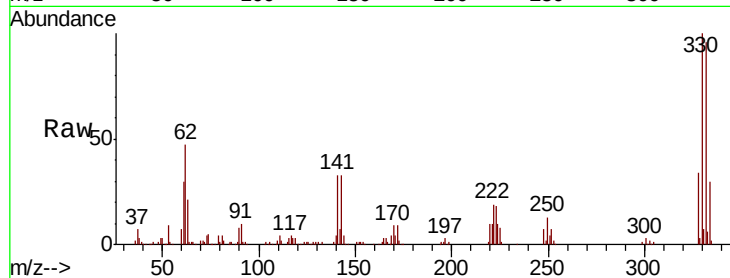
Tot Ion:248 Resp: 11591

Ion Ratio Lower Upper

248 100

250 188.5 73.4 110.2#

141 360.6 52.9 79.3#

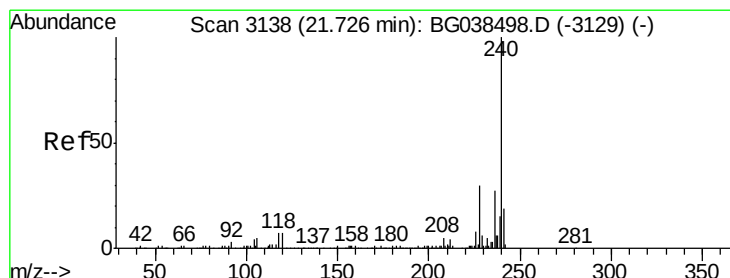
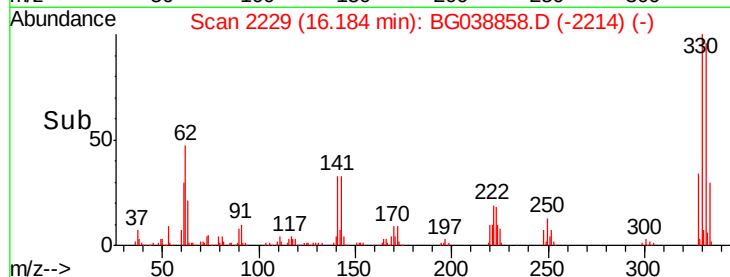
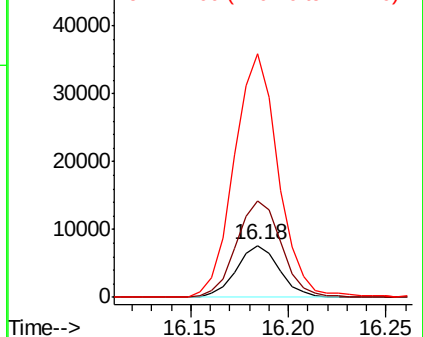


Abundance

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: BG038858.D

Acq: 28 Dec 2018 00:30

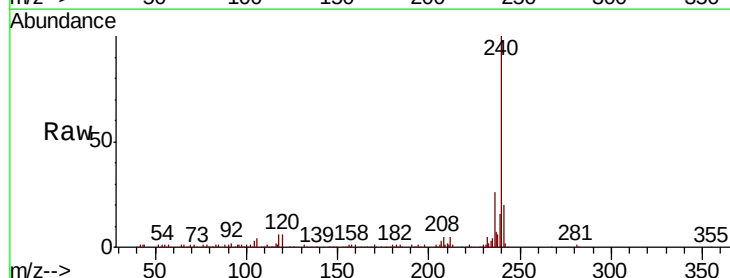
Tgt Ion:240 Resp: 183058

Ion Ratio Lower Upper

240 100

120 6.4 5.3 7.9

236 26.5 21.4 32.2

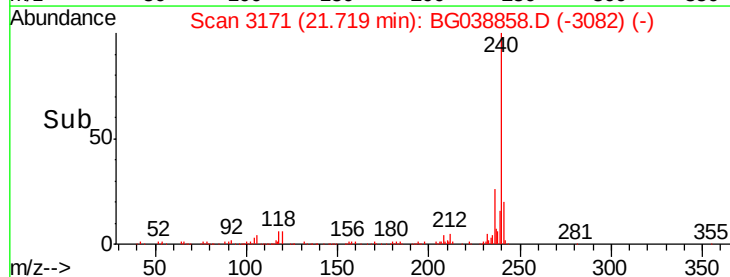
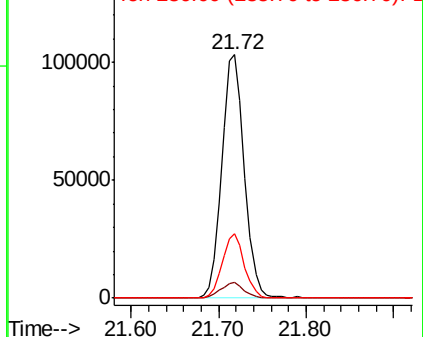


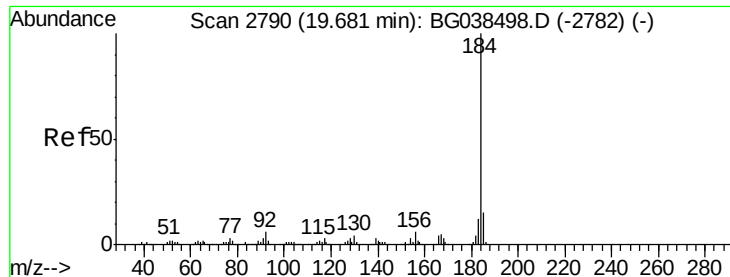
Abundance

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: 2.611 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038858.D

Acq: 28 Dec 2018 00:30

Instrument :

BNA_G

ClientSampled :

FIELD-BLANK

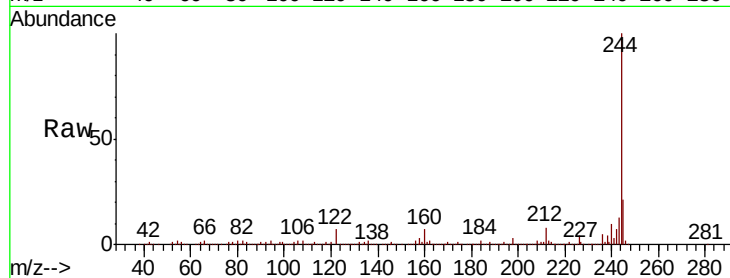
Tot Ion:184 Resp: 14134

Ion Ratio Lower Upper

184 100

185 19.7 12.2 18.2#

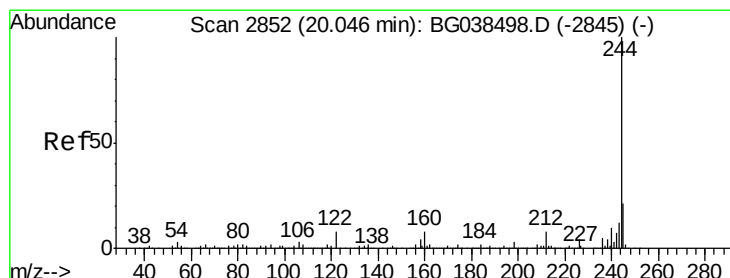
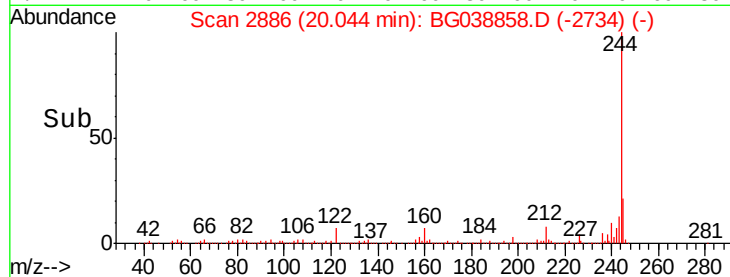
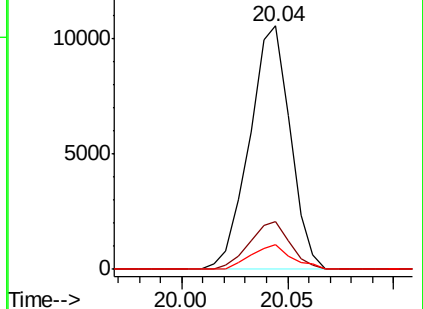
183 10.2 9.6 14.4



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: 105.158 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038858.D

Acq: 28 Dec 2018 00:30

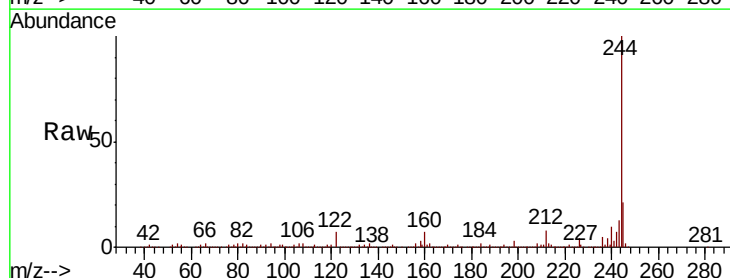
Tgt Ion:244 Resp: 884512

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

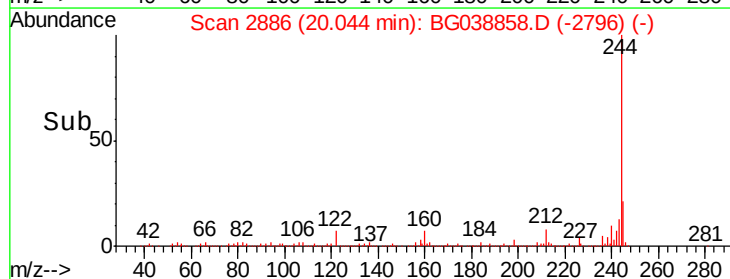
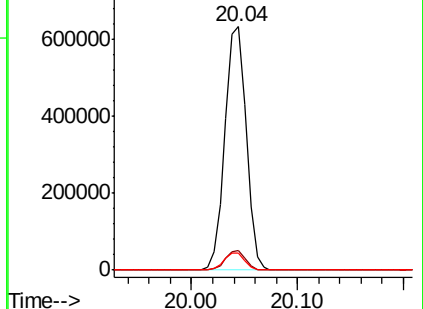
122 6.9 6.3 9.5

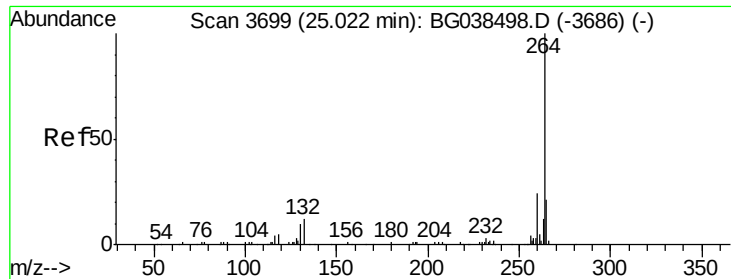


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG038858.D
 Acq: 28 Dec 2018 00:30

Instrument :
 BNA_G
 ClientSampleId :
 FIELD-BLANK

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.9	28.3
265	21.7	17.0	25.4

