

Data File : BG038824.D
Acq On : 22 Dec 2018 19:12
Operator : JU/SJ
Sample : PB115917TB
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB115917TB

Quant Time: Dec 24 03:57:53 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

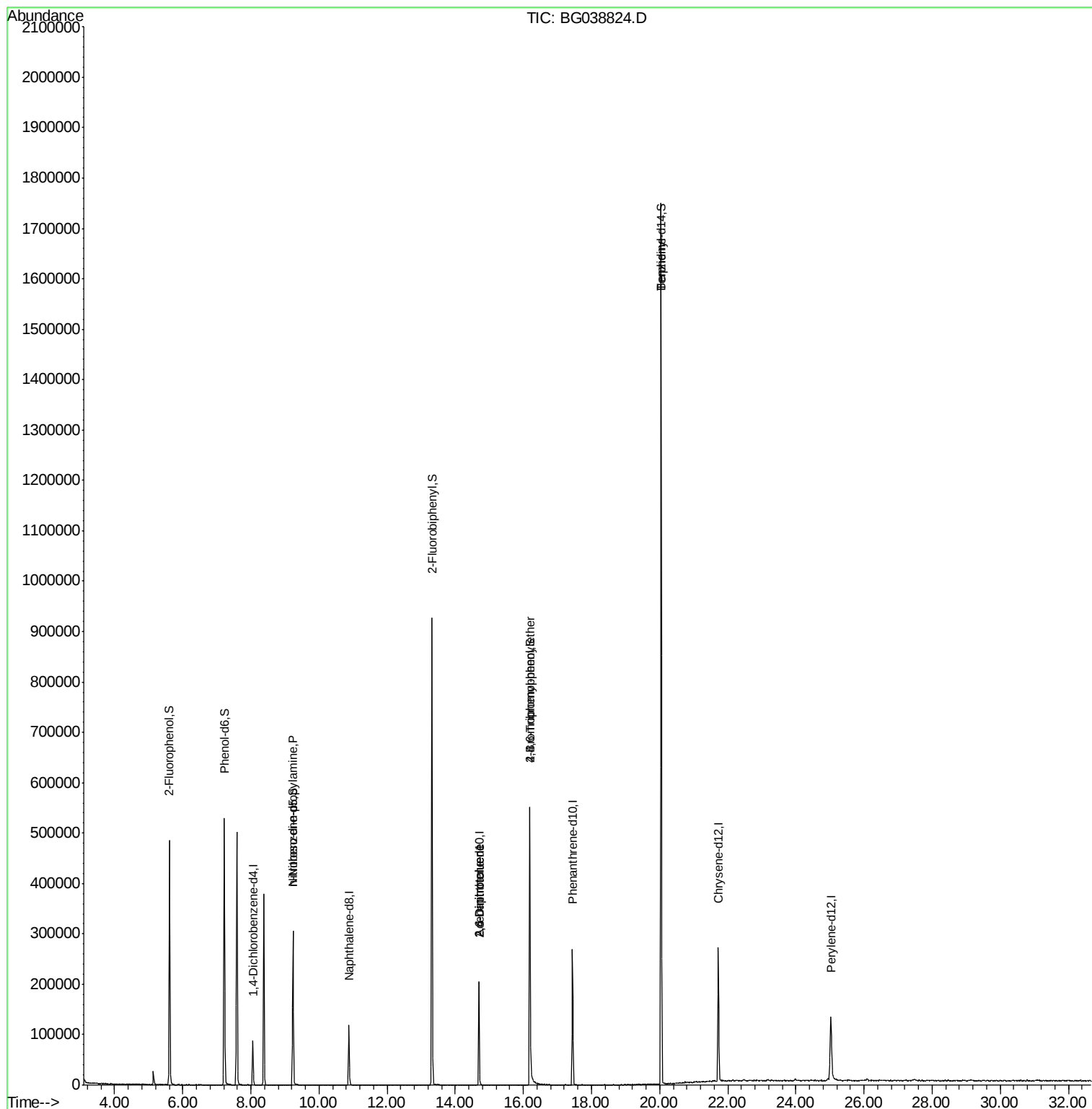
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	25835	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	110707	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	76851	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	180748	20.00	ng	0.00
76) Chrysene-d12	21.72	240	180097	20.00	ng	0.00
87) Perylene-d12	25.03	264	184525	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	215181	147.73	ng	0.01
7) Phenol-d6	7.22	99	302332	151.19	ng	0.00
23) Nitrobenzene-d5	9.24	82	183641	84.74	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	141614	133.71	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	526862	94.05	ng	0.00
79) Terphenyl-d14	20.04	244	891317	107.71	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	24665	17.562	ng	# 69
51) 2,6-Dinitrotoluene	14.69	165	9330	6.560	ng	# 21
57) 2,4-Dinitrotoluene	14.69	165	9330	4.658	ng	# 22
67) 4-Bromophenyl-phenylether	16.19	248	9099	4.122	ng	# 1
77) Benzidine	20.04	184	14448	2.713	ng	94

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

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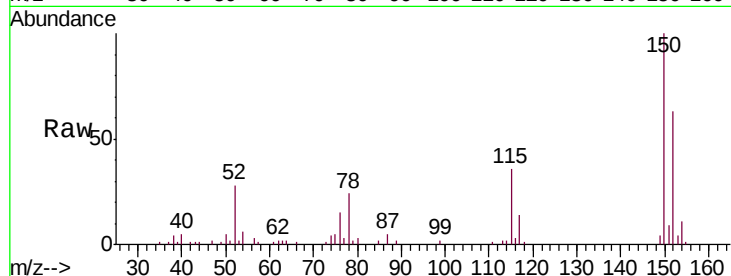


#1

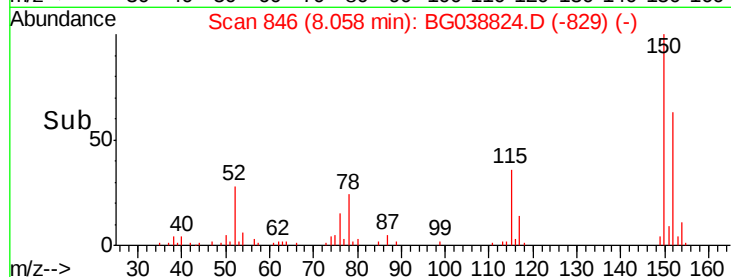
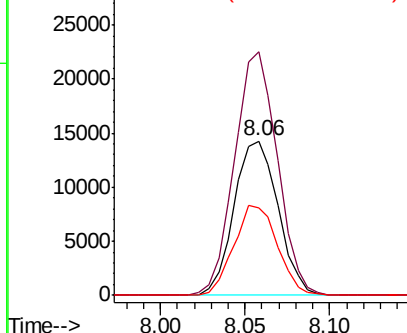
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038824.D
Acq: 22 Dec 2018 19:12

Instrument :
BNA_G
ClientSampleId :
PB115917TB

Tgt Ion:152 Resp: 25835
Ion Ratio Lower Upper
152 100
150 157.6 119.5 179.3
115 56.3 49.6 74.4



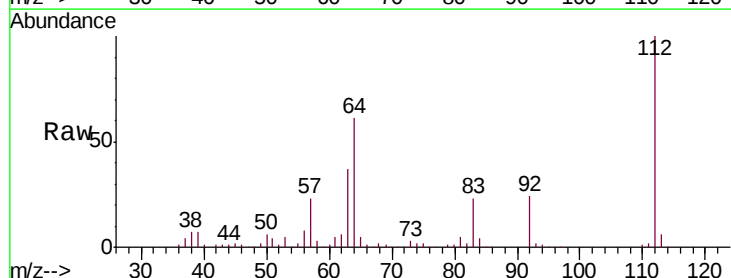
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



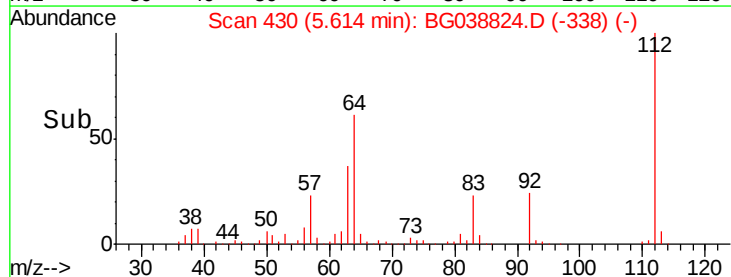
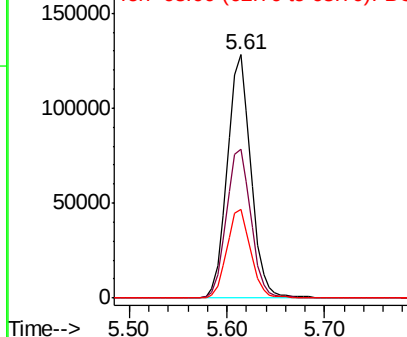
#5

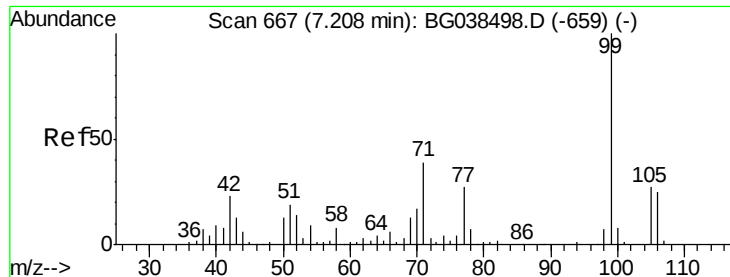
2-Fluorophenol
Concen: 147.728 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.01 min
Lab File: BG038824.D
Acq: 22 Dec 2018 19:12

Tgt Ion:112 Resp: 215181
Ion Ratio Lower Upper
112 100
64 61.0 53.4 80.2
63 36.7 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: 151.194 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038824.D

Acq: 22 Dec 2018 19:12

Instrument :

BNA_G

ClientSampleId :

PB115917TB

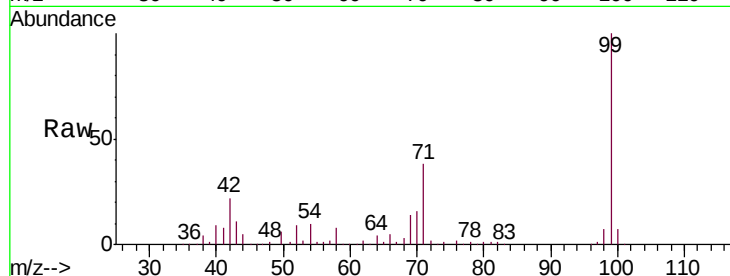
Tgt Ion: 99 Resp: 302332

Ion Ratio Lower Upper

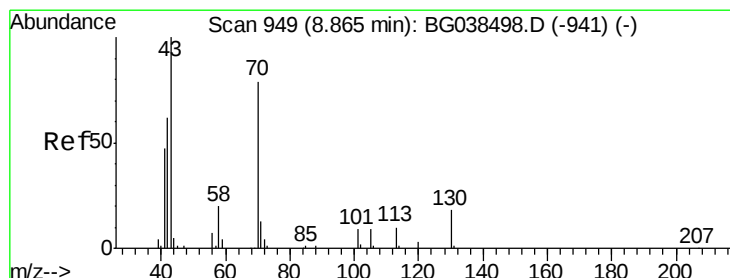
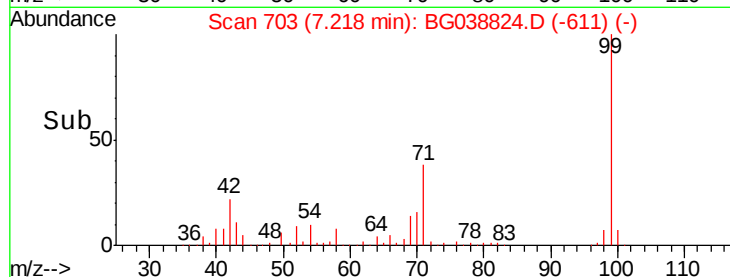
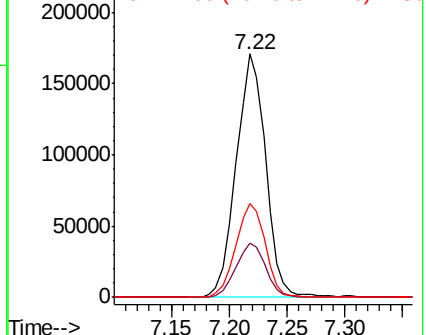
99 100

42 22.1 18.5 27.7

71 38.3 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: 17.562 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038824.D

Acq: 22 Dec 2018 19:12

Tgt Ion: 70 Resp: 24665

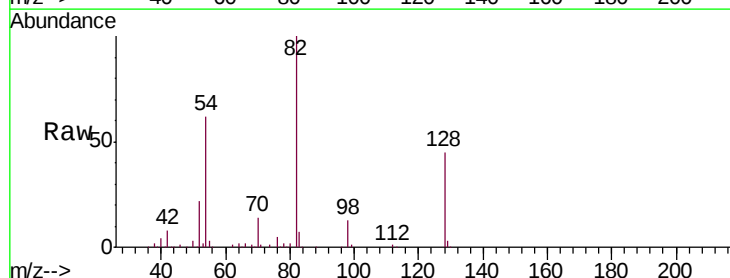
Ion Ratio Lower Upper

70 100

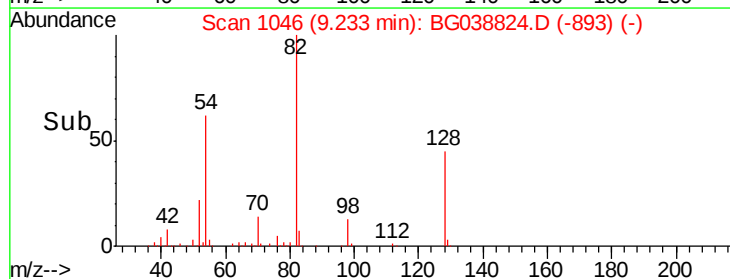
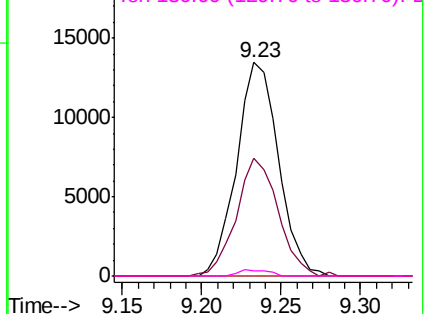
42 55.2 63.6 95.4#

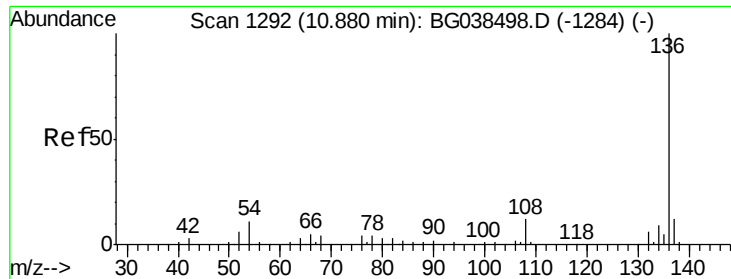
101 0.0 9.2 13.8#

130 2.2 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

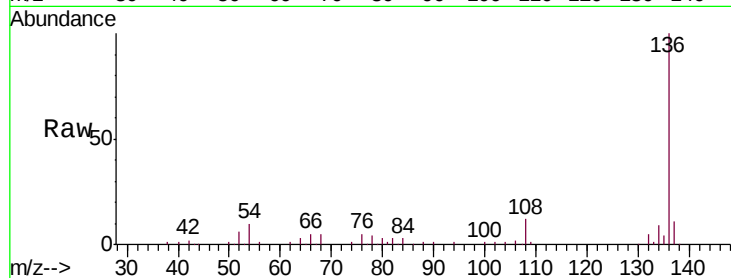




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG038824.D
Acq: 22 Dec 2018 19:12

Instrument :
BNA_G
ClientSampleId :
PB115917TB

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.3	13.9
54	9.9	8.5	12.7
68	4.9	3.5	5.3



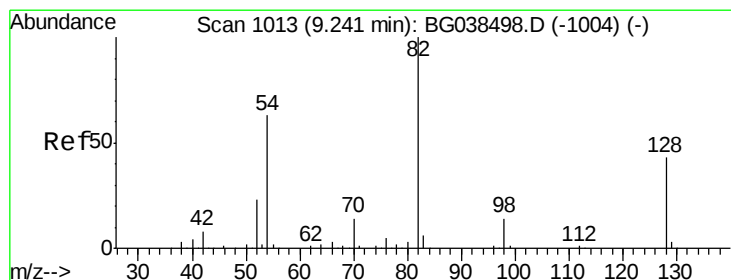
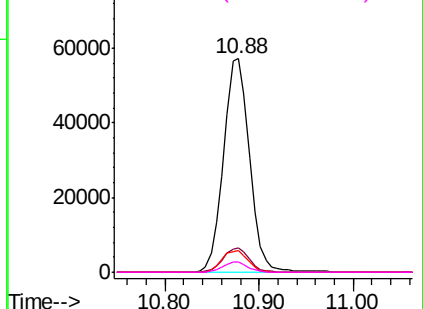
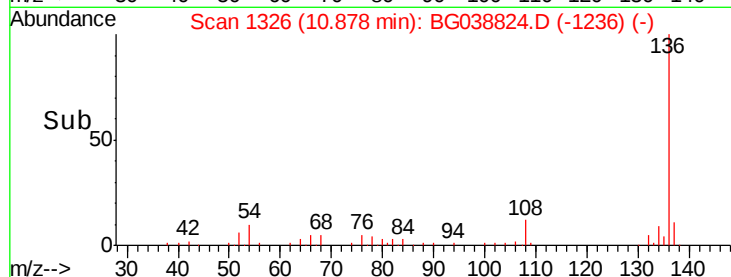
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

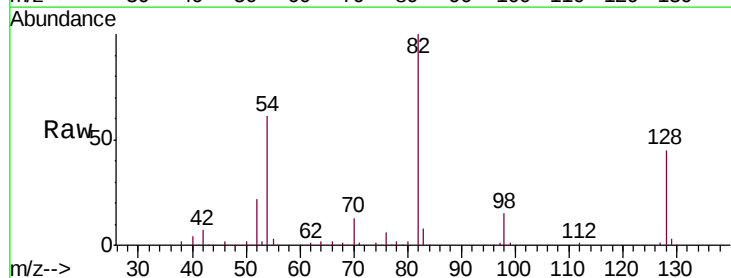
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 84.743 ng
RT: 9.24 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BG038824.D
Acq: 22 Dec 2018 19:12

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.8	34.6	52.0
54	61.1	50.6	76.0

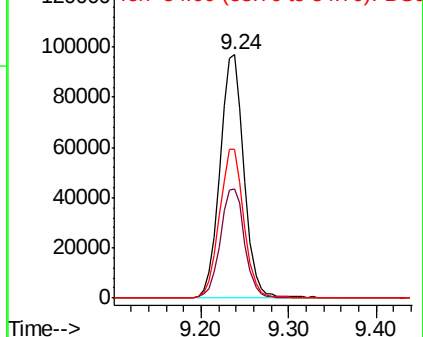
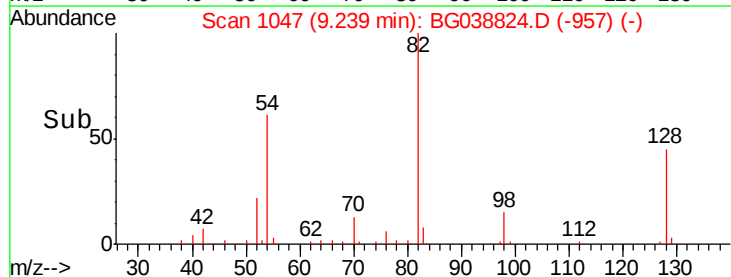


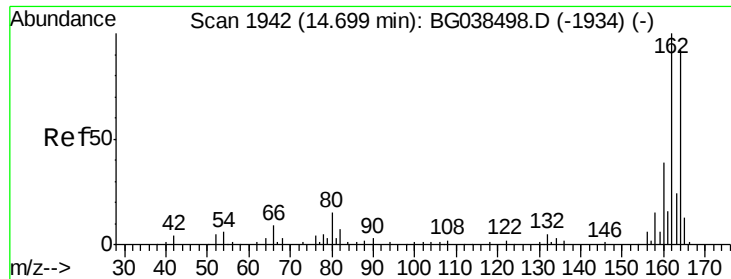
Abundance

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: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG038824.D

Acq: 22 Dec 2018 19:12

Instrument :

BNA_G

ClientSampleId :

PB115917TB

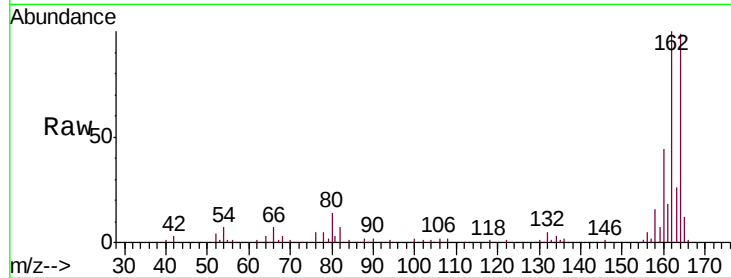
Tgt Ion:164 Resp: 76851

Ion Ratio Lower Upper

164 100

162 101.0 86.6 130.0

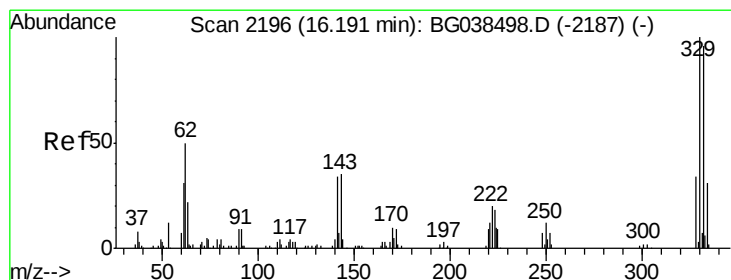
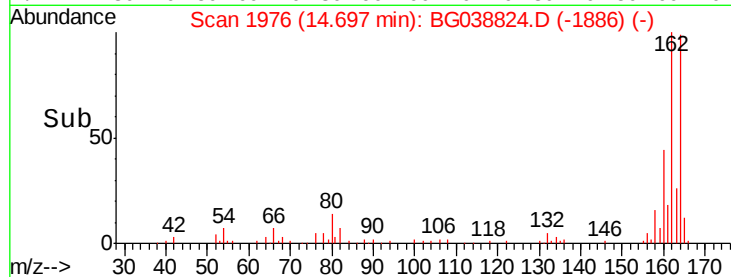
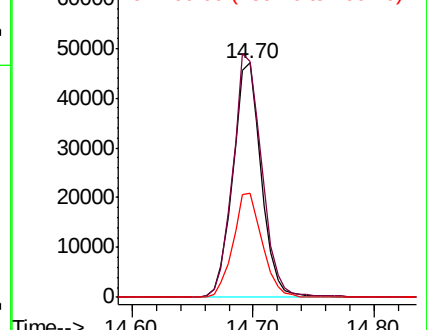
160 44.7 34.2 51.2



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: 133.706 ng

RT: 16.19 min Scan# 2230

Delta R.T. -0.00 min

Lab File: BG038824.D

Acq: 22 Dec 2018 19:12

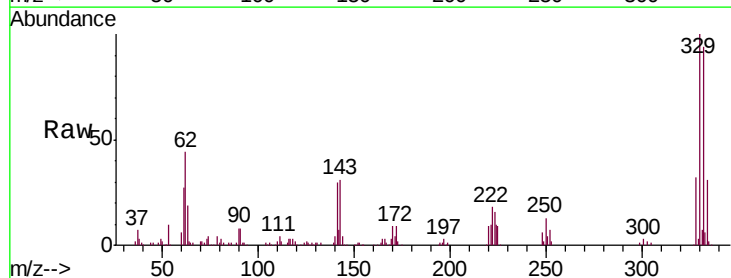
Tgt Ion:330 Resp: 141614

Ion Ratio Lower Upper

330 100

332 95.2 76.9 115.3

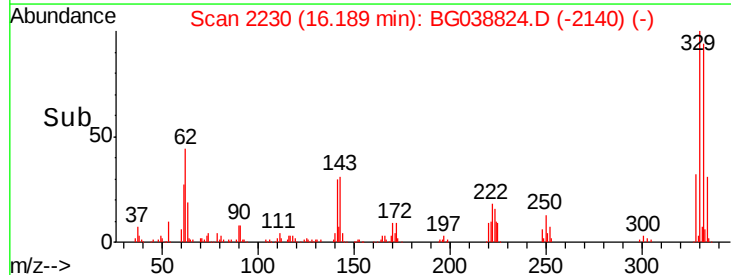
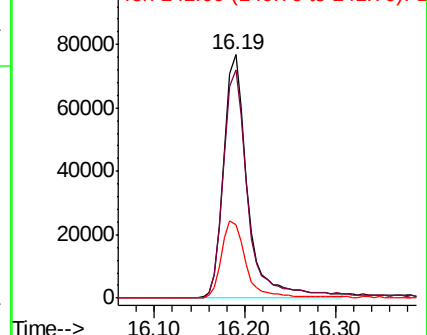
141 32.2 28.8 43.2



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

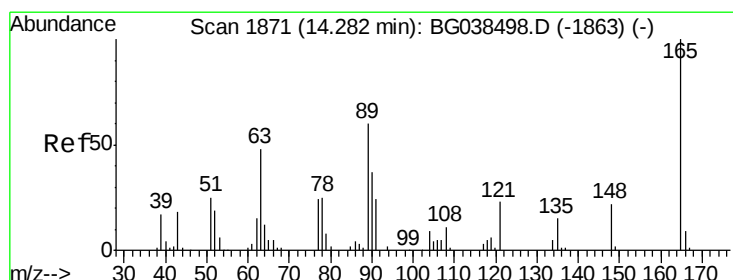
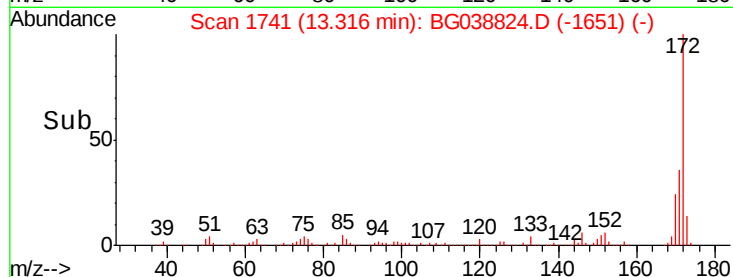
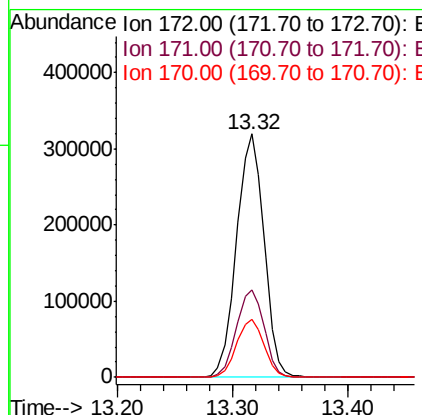
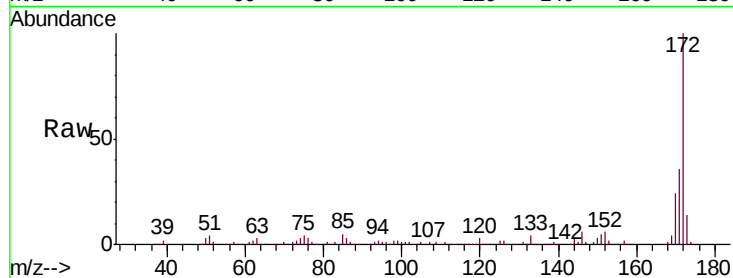




#45
 2-Fluorobiphenyl
 Concen: 94.049 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG038824.D
 Acq: 22 Dec 2018 19:12

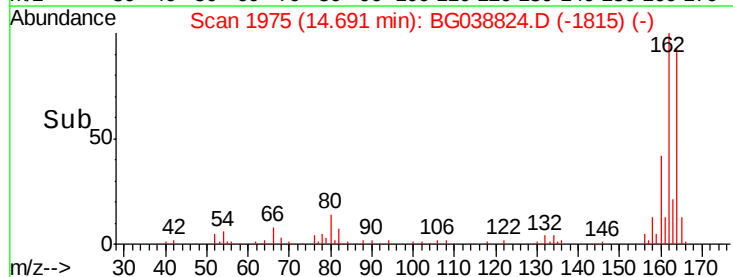
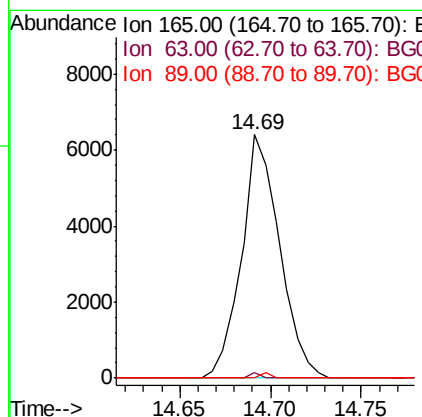
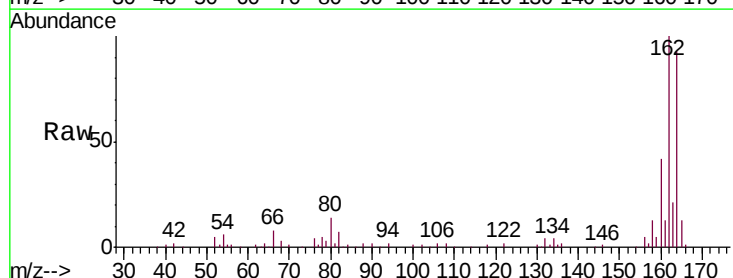
Instrument :
 BNA_G
 ClientSampleId :
 PB115917TB

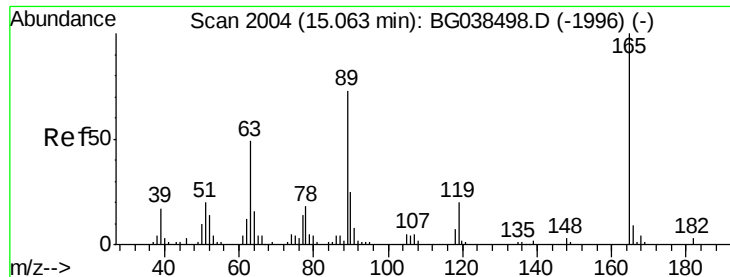
Tgt Ion:172 Resp: 526862
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.8 44.6
 170 24.0 19.5 29.3



#51
 2,6-Dinitrotoluene
 Concen: 6.560 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038824.D
 Acq: 22 Dec 2018 19:12

Tgt Ion:165 Resp: 9330
 Ion Ratio Lower Upper
 165 100
 63 2.4 51.8 77.6#
 89 0.0 47.9 71.9#

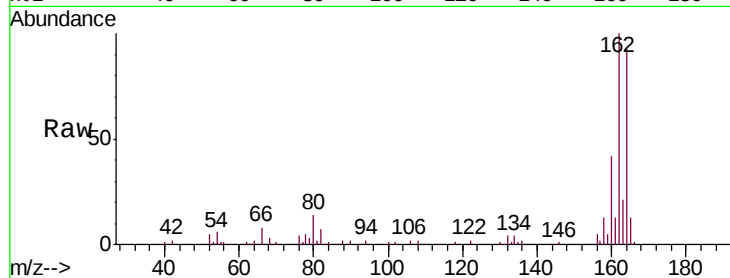




#57
 2,4-Dinitrotoluene
 Concen: 4.658 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038824.D
 Acq: 22 Dec 2018 19:12

Instrument :
 BNA_G
 ClientSampleId :
 PB115917TB

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.4	39.0	58.4#
89	0.0	58.0	87.0#
182	0.0	2.3	3.5#

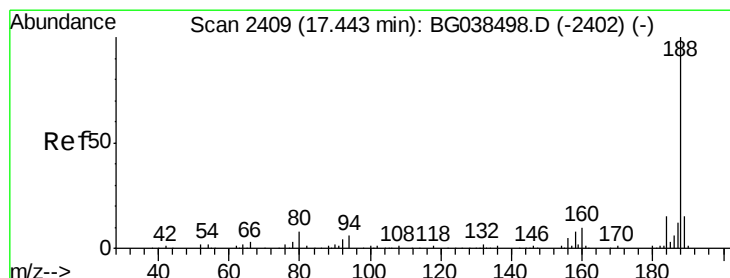
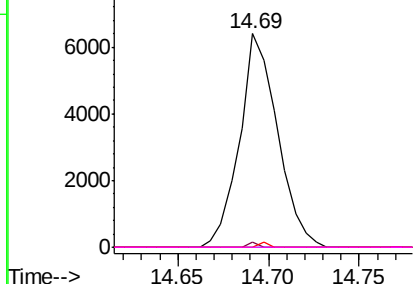
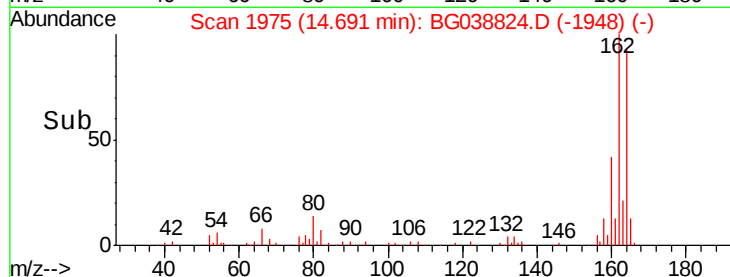


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

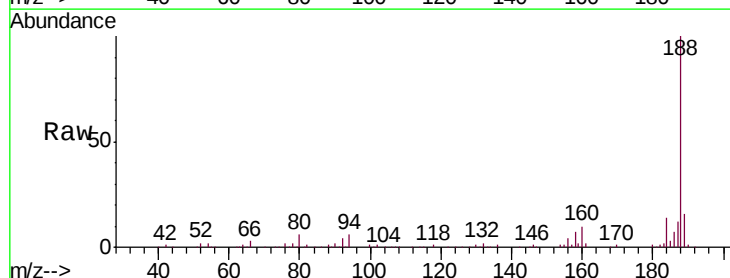
Ion 89.00 (88.70 to 89.70): BGC

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: BG038824.D
 Acq: 22 Dec 2018 19:12

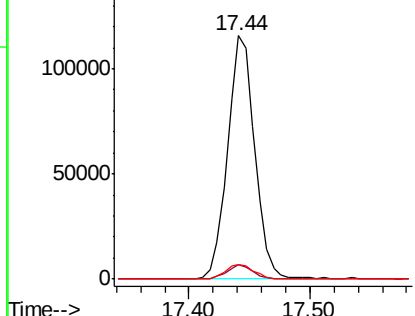
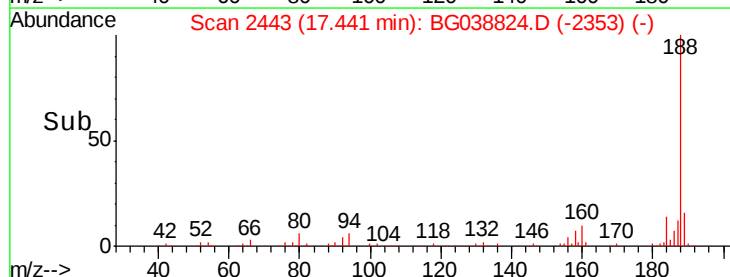
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.1	5.1	7.7
80	5.9	6.1	9.1#

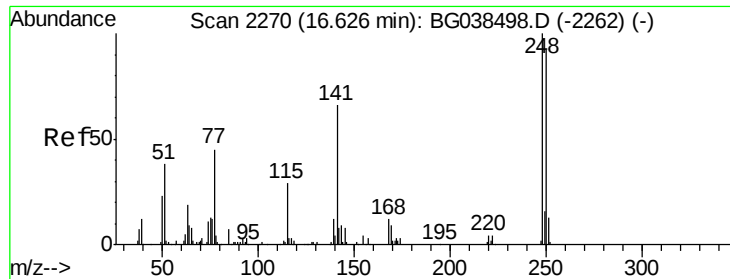


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

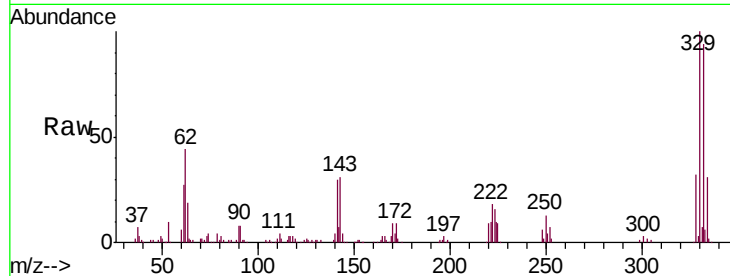




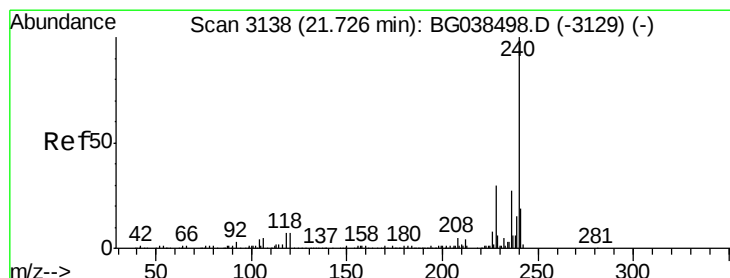
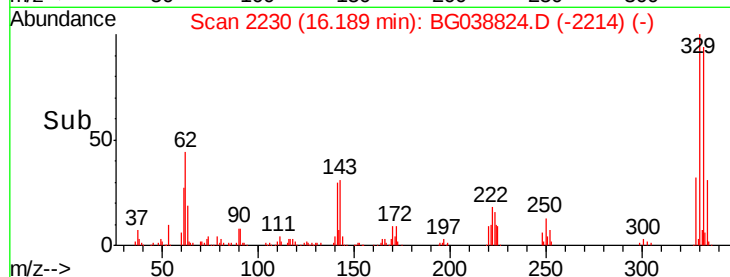
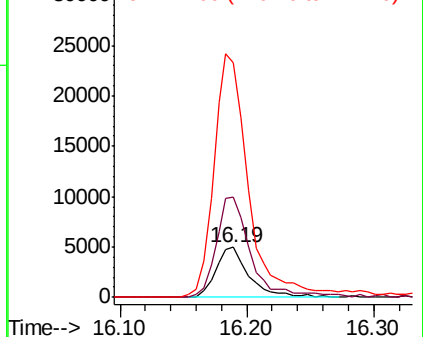
#67
4-Bromophenyl-phenylether
Concen: 4.122 ng
RT: 16.19 min Scan# 2230
Delta R.T. -0.44 min
Lab File: BG038824.D
Acq: 22 Dec 2018 19:12

Instrument :
BNA_G
ClientSampleId :
PB115917TB

Tgt Ion:248 Resp: 9099
Ion Ratio Lower Upper
248 100
250 191.1 73.4 110.2#
141 352.8 52.9 79.3#

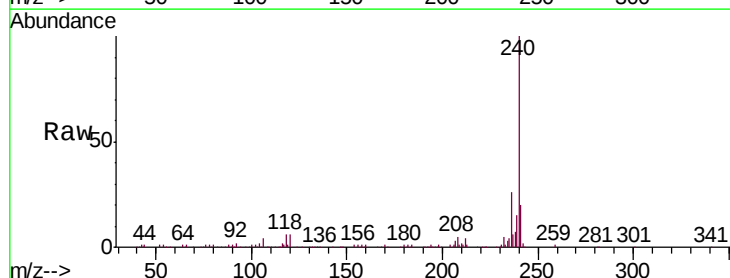


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

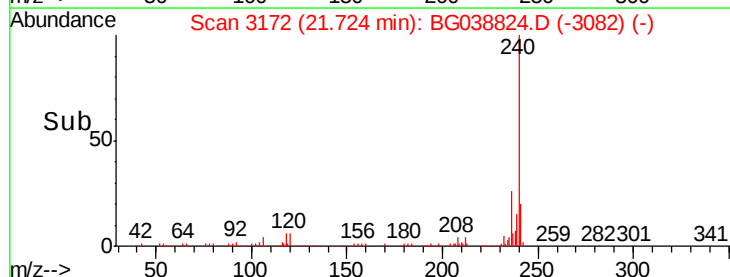
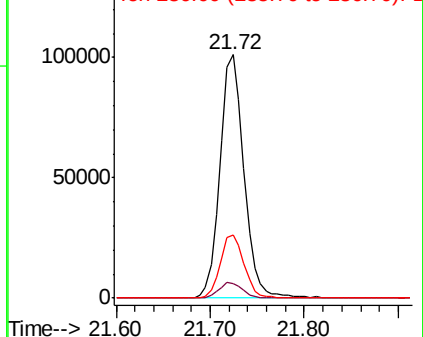


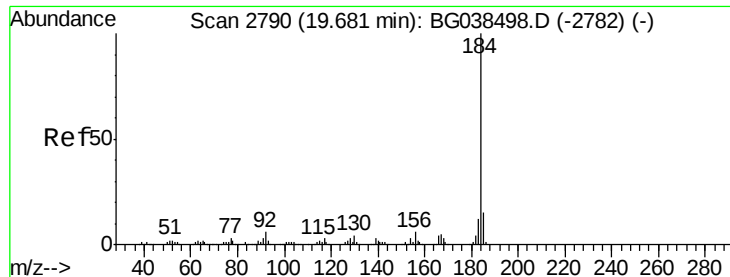
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3172
Delta R.T. -0.00 min
Lab File: BG038824.D
Acq: 22 Dec 2018 19:12

Tgt Ion:240 Resp: 180097
Ion Ratio Lower Upper
240 100
120 6.1 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: 2.713 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038824.D

Acq: 22 Dec 2018 19:12

Instrument :

BNA_G

ClientSampled :

PB115917TB

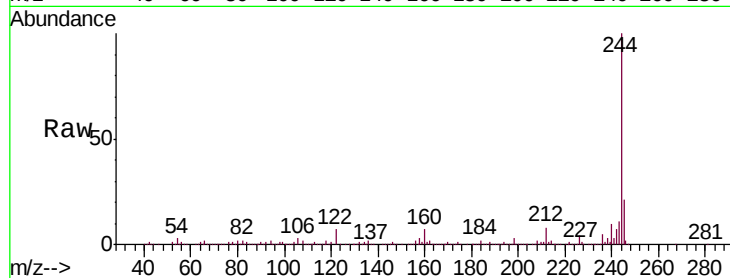
Tgt Ion:184 Resp: 14448

Ion Ratio Lower Upper

184 100

185 18.0 12.2 18.2

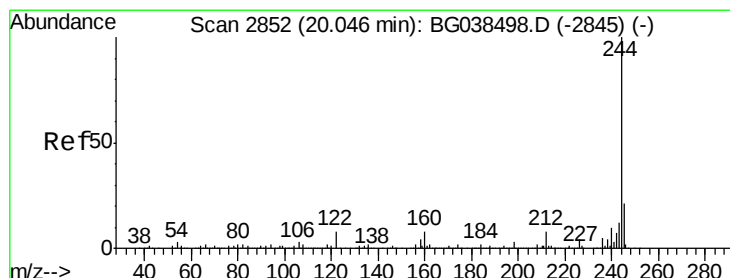
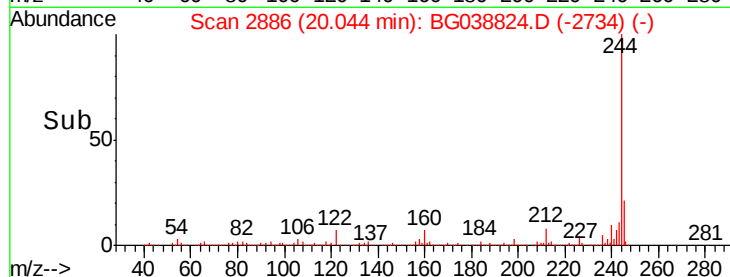
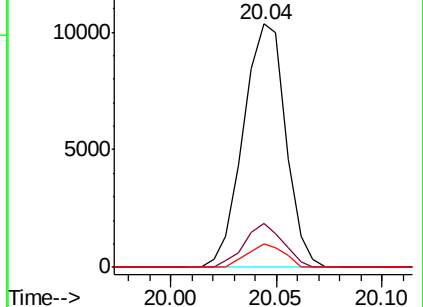
183 9.8 9.6 14.4



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: 107.709 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038824.D

Acq: 22 Dec 2018 19:12

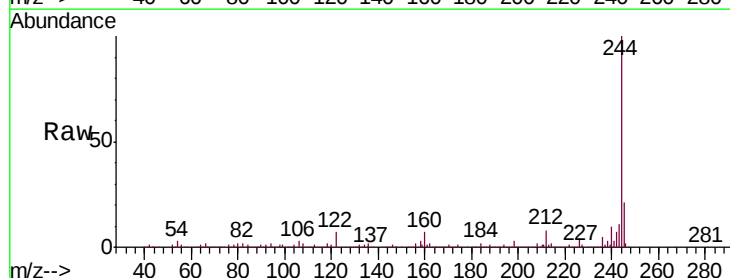
Tgt Ion:244 Resp: 891317

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

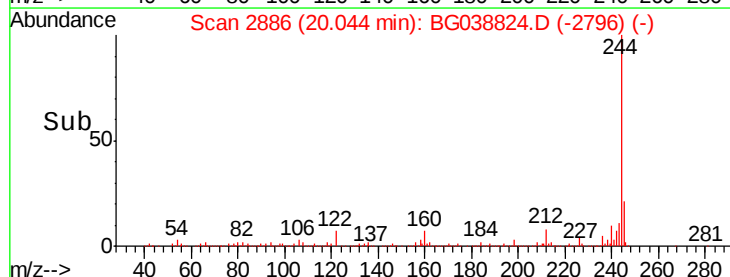
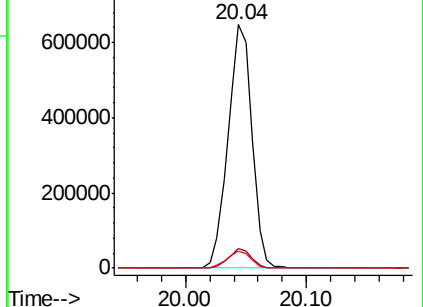
122 7.2 6.3 9.5

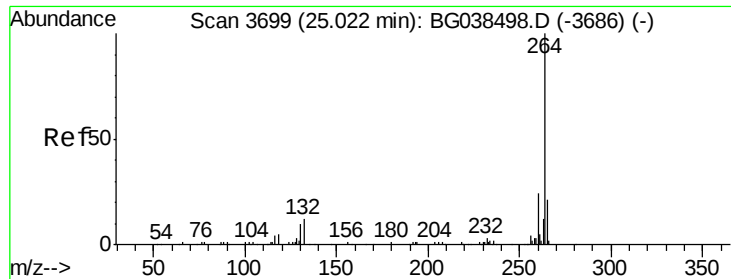


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

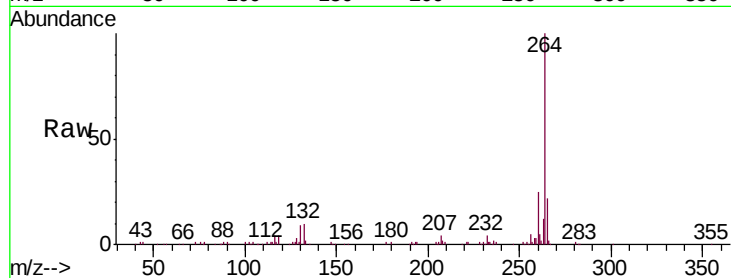




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.03 min Scan# 3734
Delta R.T. 0.00 min
Lab File: BG038824.D
Acq: 22 Dec 2018 19:12

Instrument :
BNA_G
ClientSampleId :
PB115917TB

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	18.9	28.3
265	21.6	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

