

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121218\
 Data File : BG038524.D
 Acq On : 13 Dec 2018 9:32
 Operator : JU/SJ
 Sample : PB115618TB
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 13 10:20:11 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

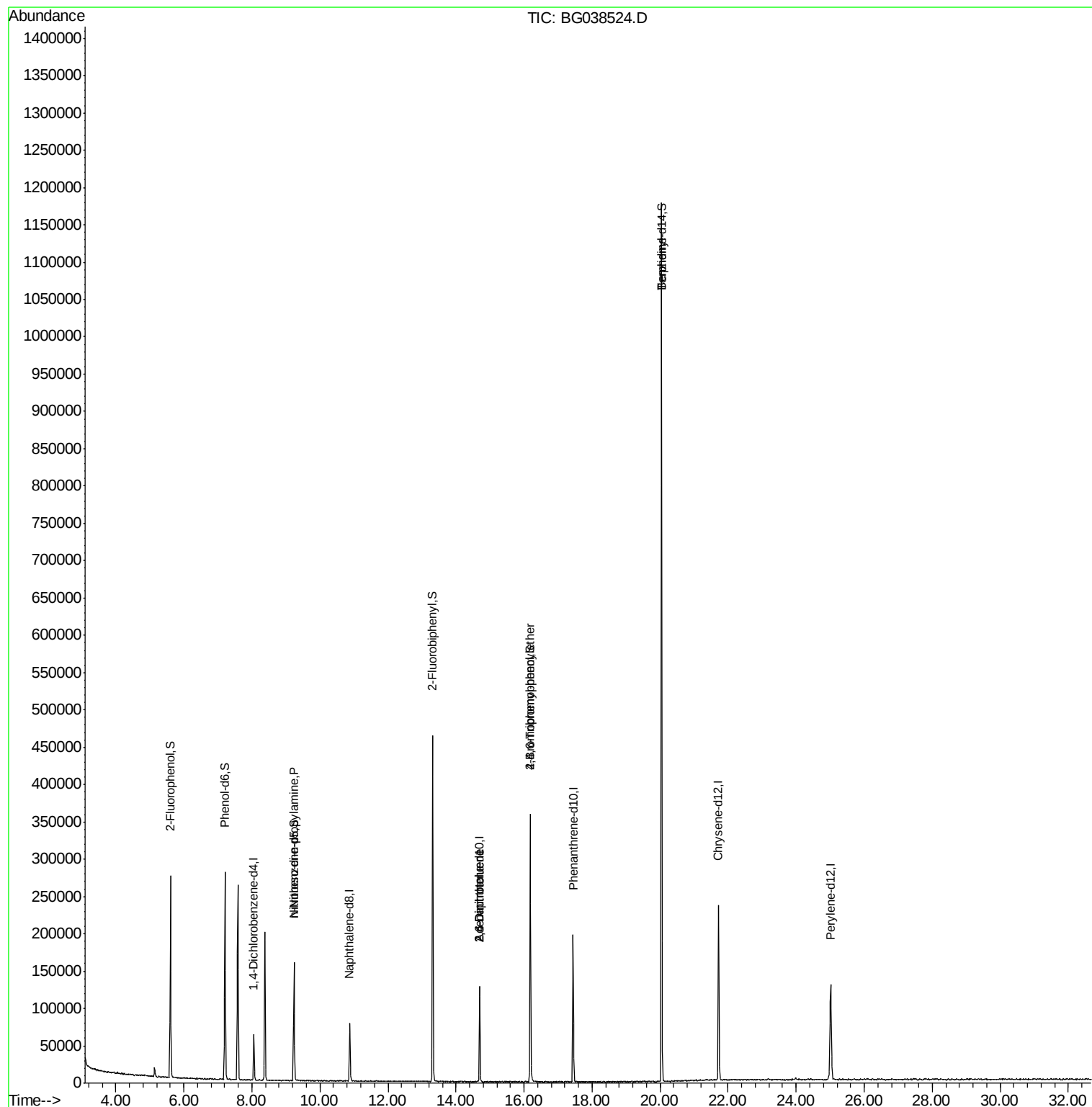
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	17139	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	70186	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	47957	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	136199	20.00	ng	0.00
76) Chrysene-d12	21.72	240	152156	20.00	ng	-0.01
87) Perylene-d12	25.01	264	161670	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	116131	120.18	ng	0.00
7) Phenol-d6	7.21	99	157229	118.52	ng	0.00
23) Nitrobenzene-d5	9.24	82	100053	72.83	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	74498	112.72	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	249838	71.47	ng	0.00
79) Terphenyl-d14	20.04	244	577981	82.67	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	13500	14.490	ng	# 64
51) 2,6-Dinitrotoluene	14.69	165	6317	7.118	ng	# 22
57) 2,4-Dinitrotoluene	14.69	165	6317	5.054	ng	# 24
67) 4-Bromophenyl-phenylether	16.18	248	4943	2.972	ng	# 1
77) Benzidine	20.04	184	9868	2.193	ng	# 93

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

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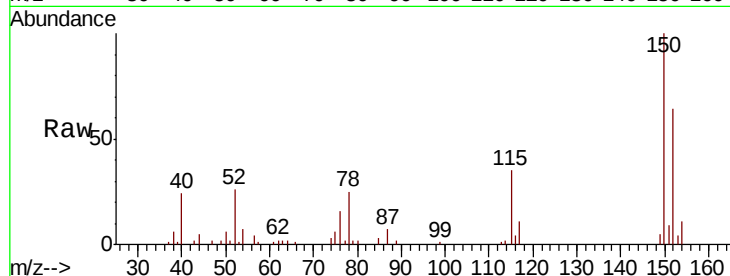


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. 0.00 min
Lab File: BG038524.D
Acq: 13 Dec 2018 9:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	119.5	179.3
115	54.2	49.6	74.4

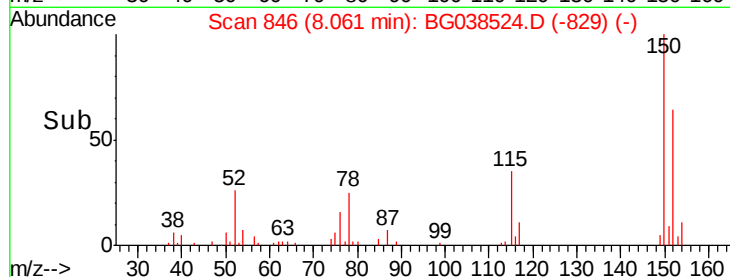
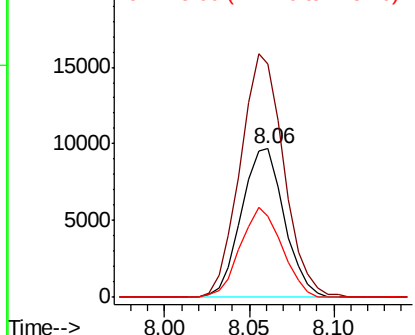


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

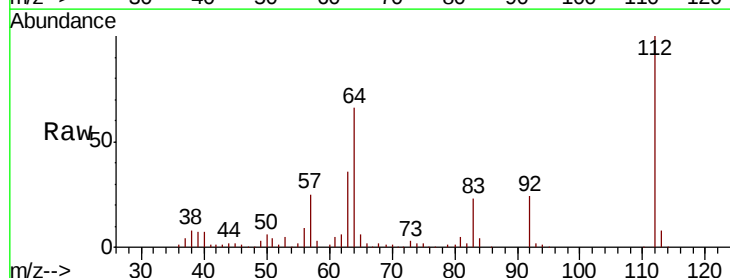
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 120.180 ng
RT: 5.61 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG038524.D
Acq: 13 Dec 2018 9:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	53.4	80.2
63	35.6	29.3	43.9

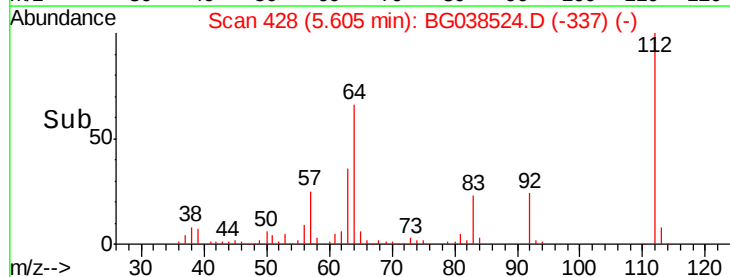
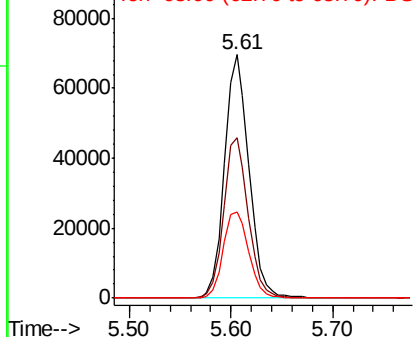


Abundance

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: 118.524 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG038524.D

Acq: 13 Dec 2018 9:32

Instrument :

BNA_G

ClientSampleId :

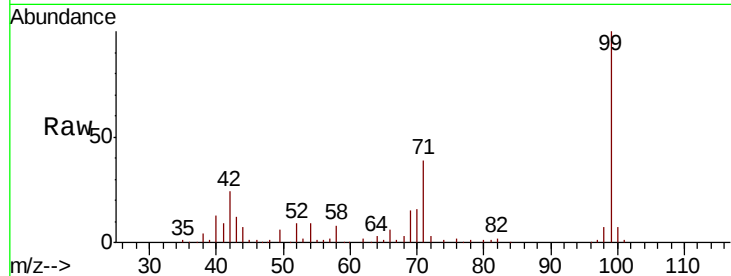
Tot Ion: 99 Resp: 157229

Ion Ratio Lower Upper

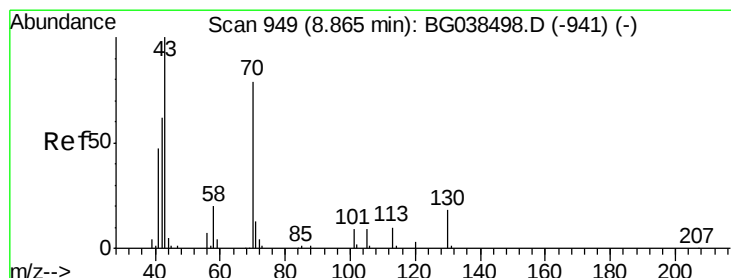
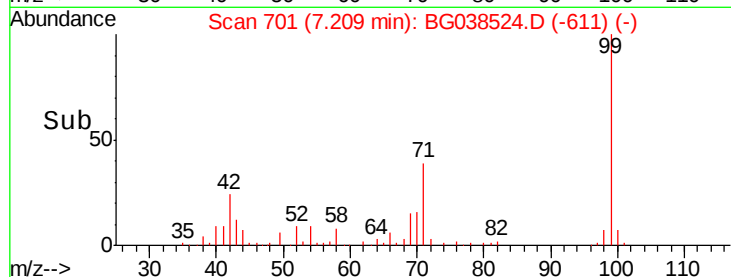
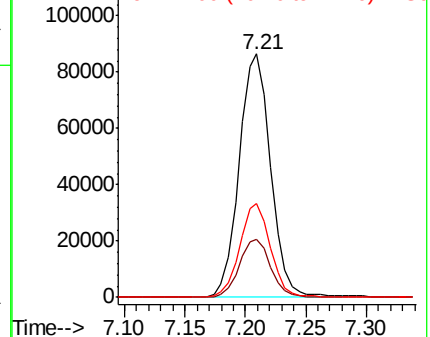
99 100

42 23.6 18.5 27.7

71 38.8 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: 14.490 ng

RT: 9.24 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038524.D

Acq: 13 Dec 2018 9:32

Tgt Ion: 70 Resp: 13500

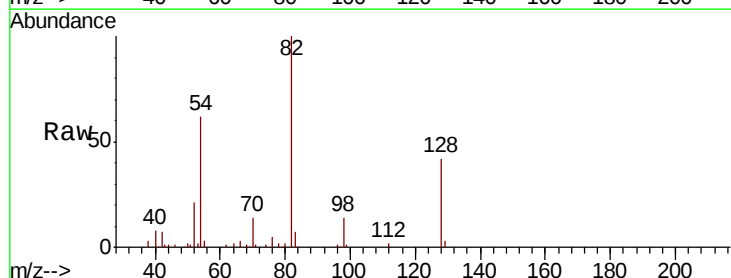
Ion Ratio Lower Upper

70 100

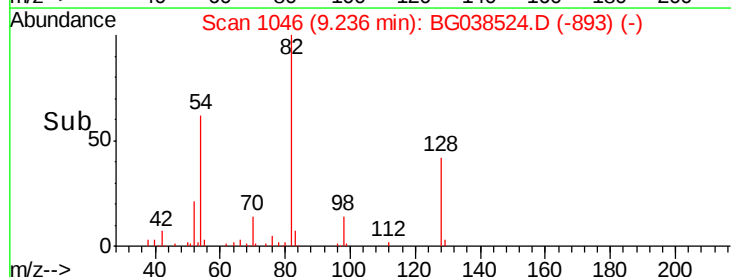
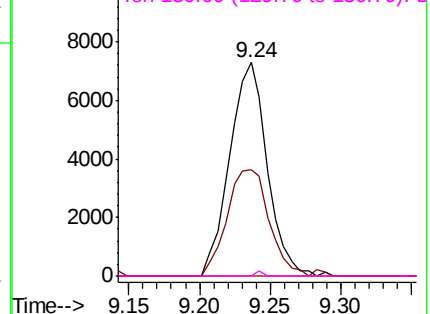
42 49.9 63.6 95.4#

101 0.0 9.2 13.8#

130 0.0 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

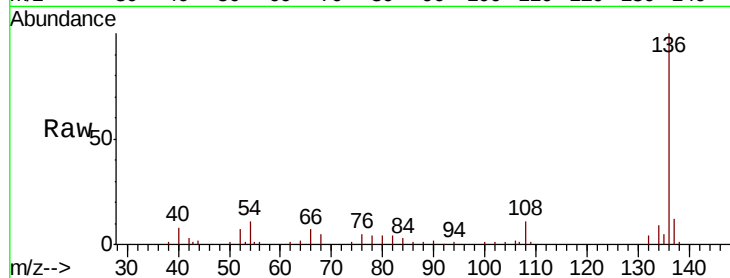




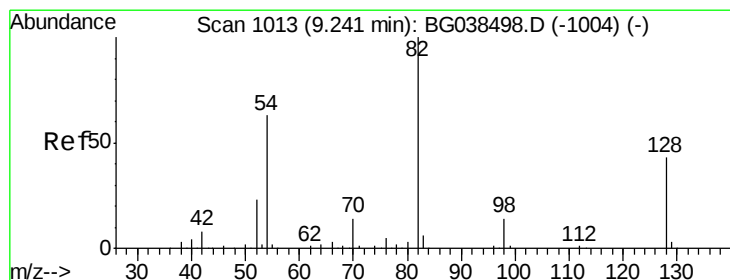
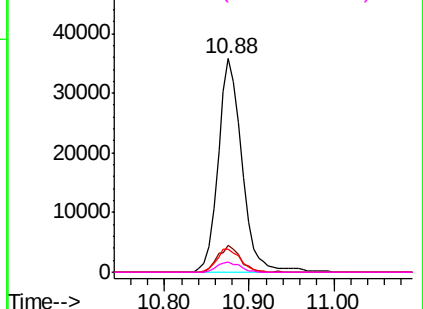
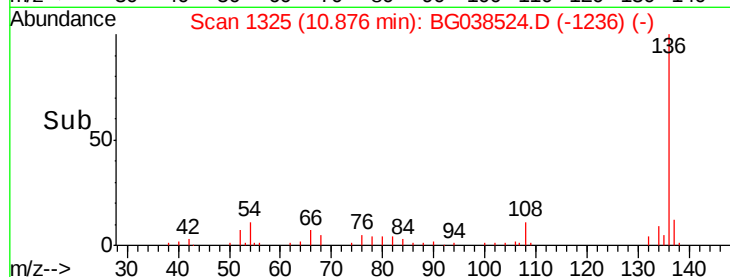
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BG038524.D
Acq: 13 Dec 2018 9:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	70186
Ion Ratio	Lower	Upper
136	100	
137	12.4	9.3 13.9
54	10.7	8.5 12.7
68	5.0	3.5 5.3

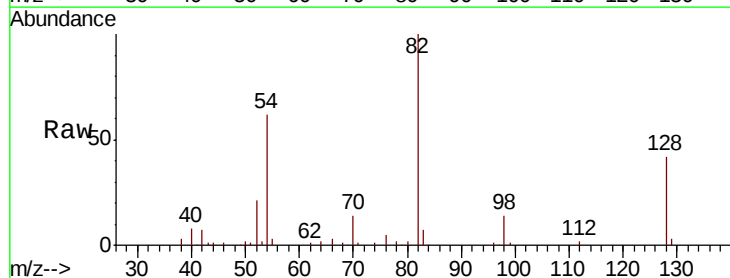


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

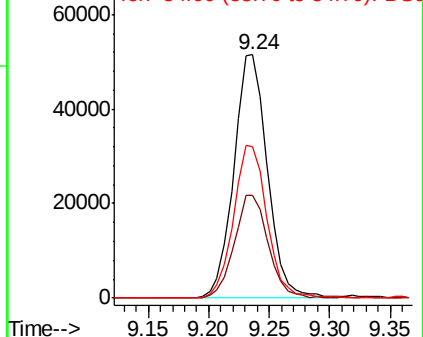
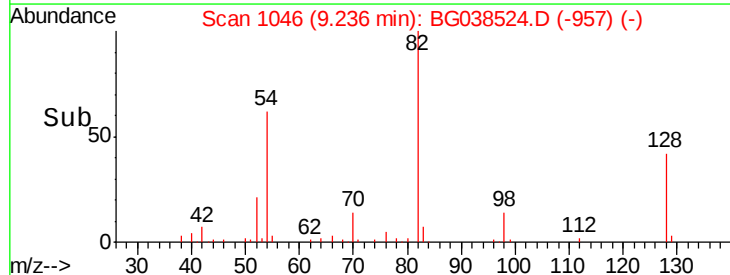


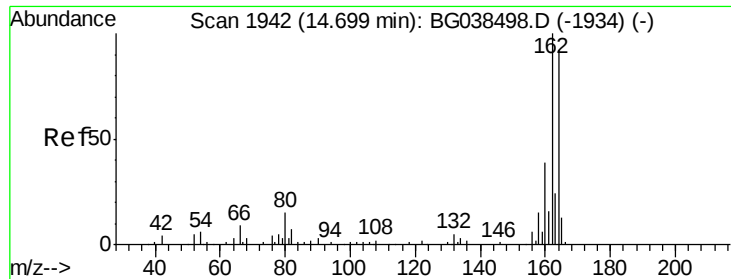
#23
Nitrobenzene-d5
Concen: 72.827 ng
RT: 9.24 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BG038524.D
Acq: 13 Dec 2018 9:32

Tgt Ion: 82	Resp:	100053
Ion Ratio	Lower	Upper
82	100	
128	42.2	34.6 52.0
54	62.1	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

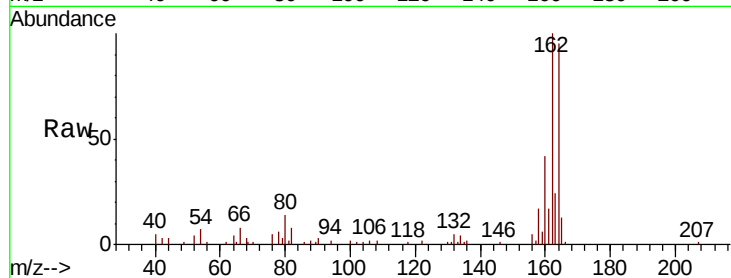




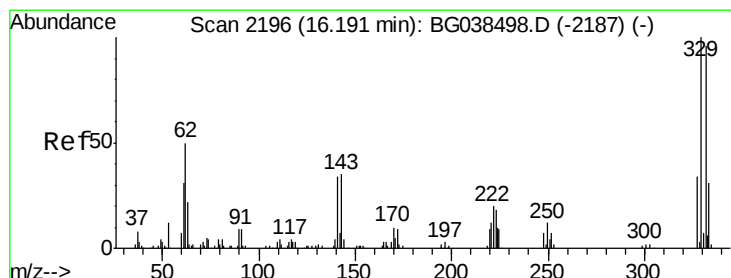
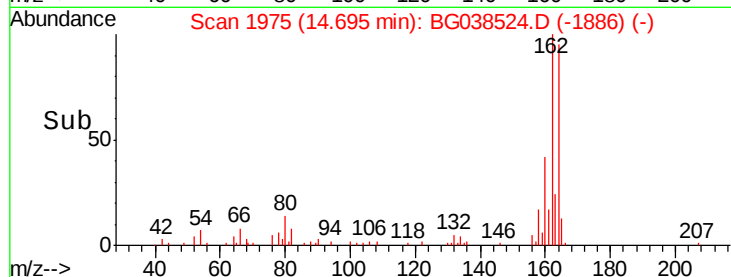
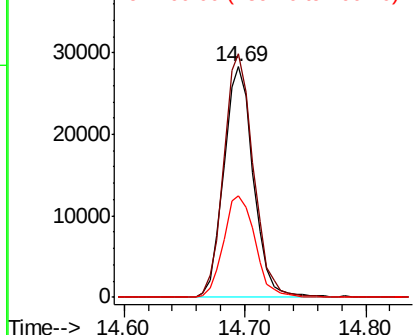
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BG038524.D
Acq: 13 Dec 2018 9:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 47957
Ion Ratio Lower Upper
164 100
162 105.7 86.6 130.0
160 44.0 34.2 51.2

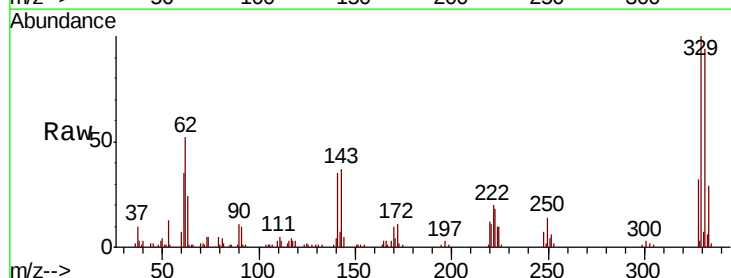


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

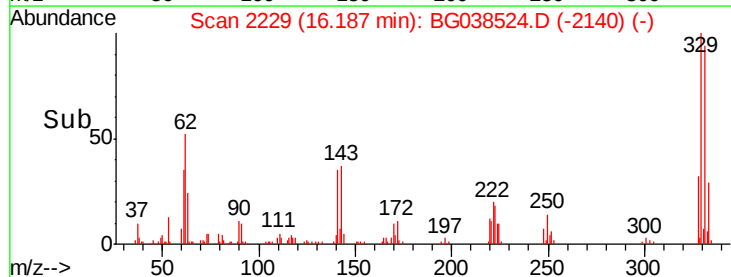
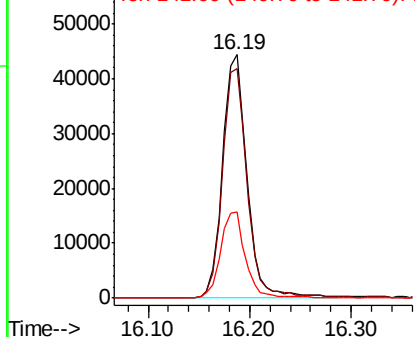


#42
2,4,6-Tribromophenol
Concen: 112.716 ng
RT: 16.19 min Scan# 2229
Delta R.T. -0.00 min
Lab File: BG038524.D
Acq: 13 Dec 2018 9:32

Tgt Ion:330 Resp: 74498
Ion Ratio Lower Upper
330 100
332 95.2 76.9 115.3
141 35.9 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

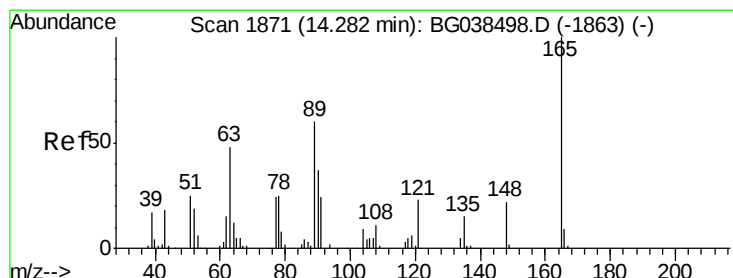
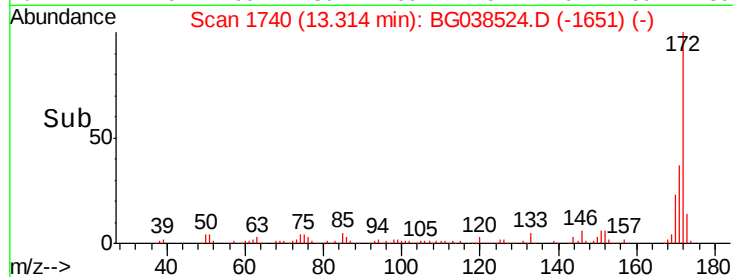
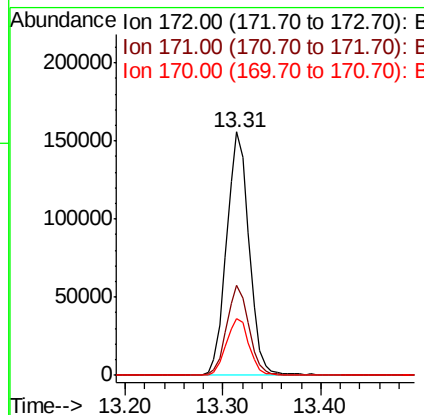
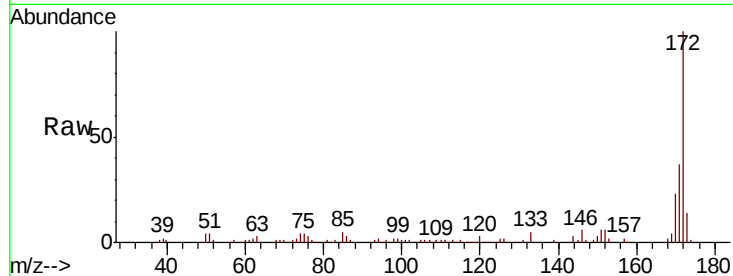




#45
 2-Fluorobiphenyl
 Concen: 71.468 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: BG038524.D
 Acq: 13 Dec 2018 9:32

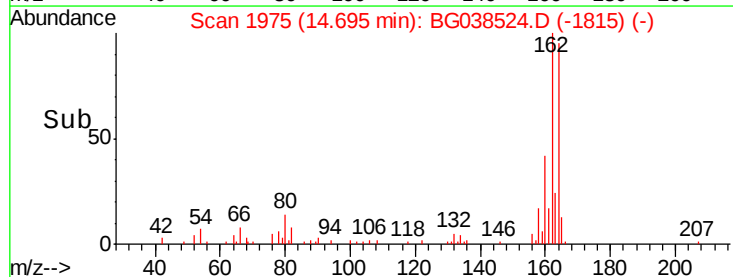
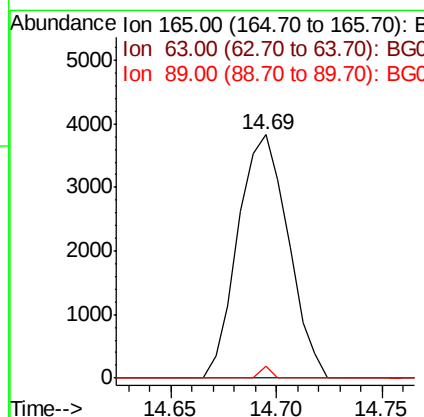
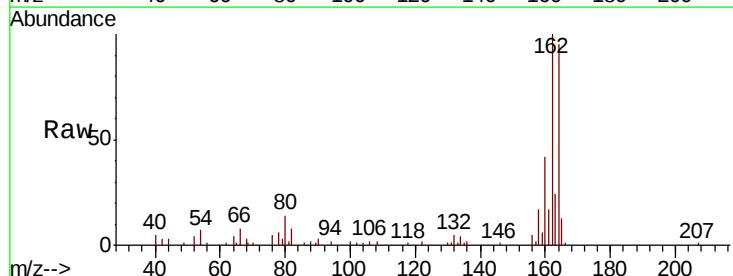
Instrument :
 BNA_G
 ClientSampleId :

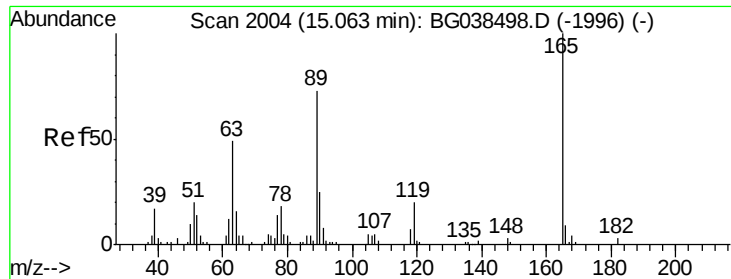
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.8	44.6
170	23.4	19.5	29.3



#51
 2,6-Dinitrotoluene
 Concen: 7.118 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038524.D
 Acq: 13 Dec 2018 9:32

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.6#
89	4.6	47.9	71.9#

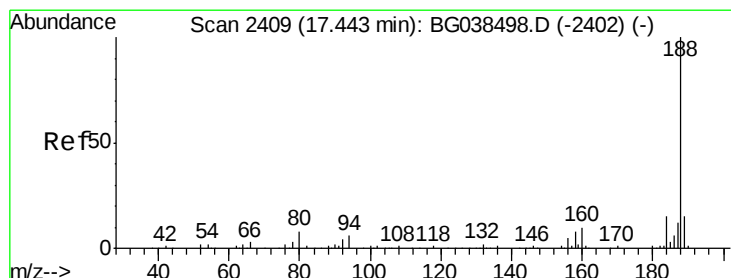
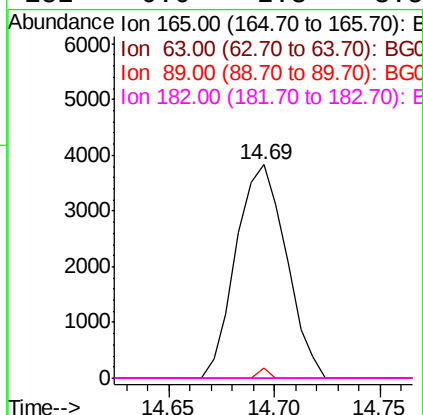
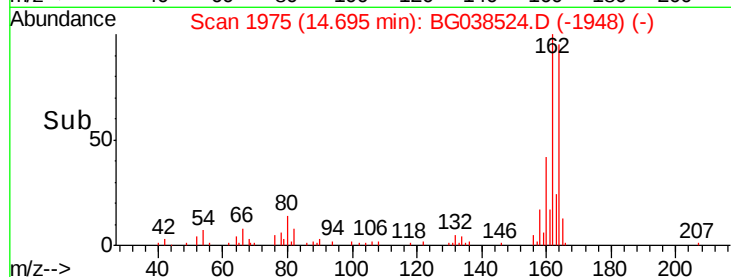
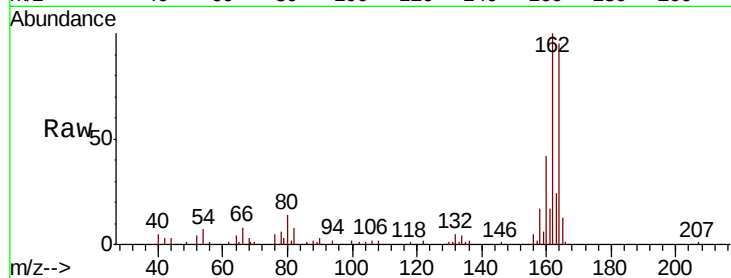




#57
 2,4-Dinitrotoluene
 Concen: 5.054 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038524.D
 Acq: 13 Dec 2018 9:32

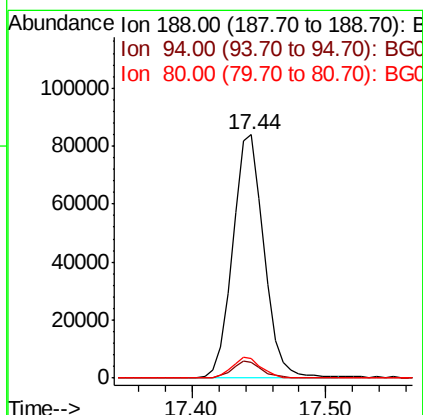
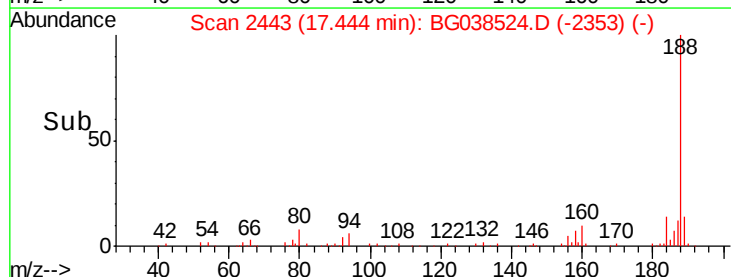
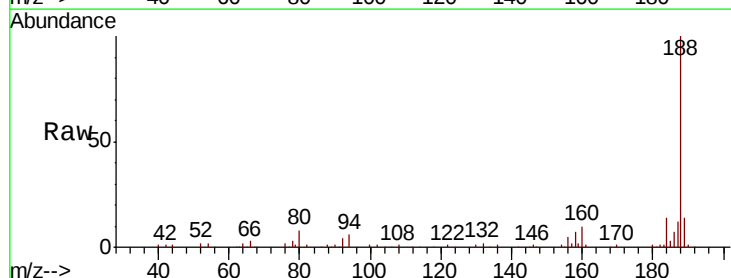
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 6317
 Ion Ratio Lower Upper
 165 100
 63 0.0 39.0 58.4#
 89 4.6 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: BG038524.D
 Acq: 13 Dec 2018 9:32

Tgt Ion:188 Resp: 136199
 Ion Ratio Lower Upper
 188 100
 94 6.2 5.1 7.7
 80 8.1 6.1 9.1

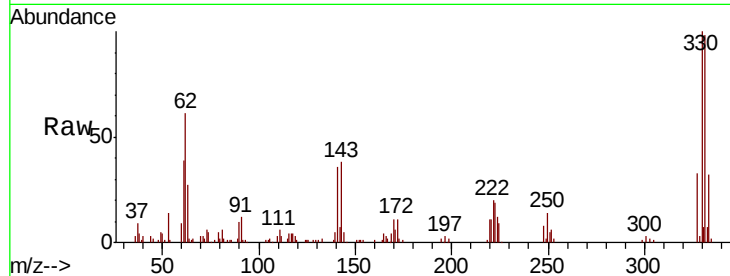




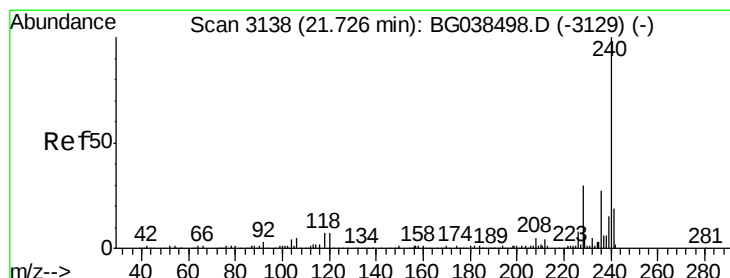
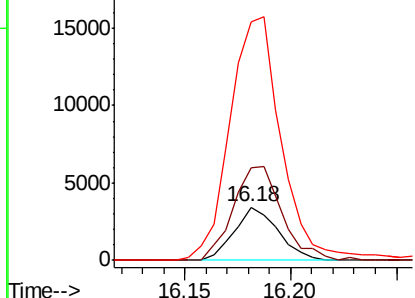
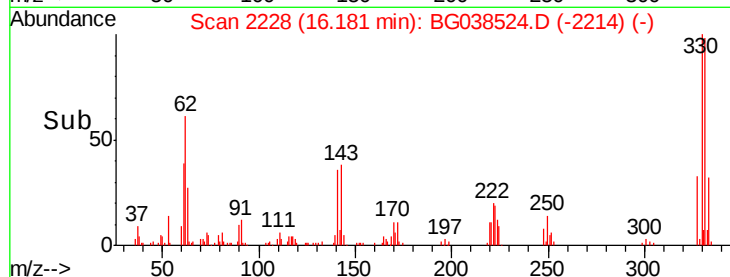
#67
 4-Bromophenyl-phenylether
 Concen: 2.972 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.44 min
 Lab File: BG038524.D
 Acq: 13 Dec 2018 9:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 4943
 Ion Ratio Lower Upper
 248 100
 250 183.0 73.4 110.2#
 141 355.0 52.9 79.3#

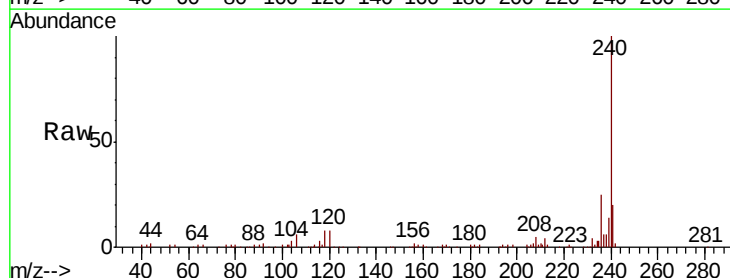


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

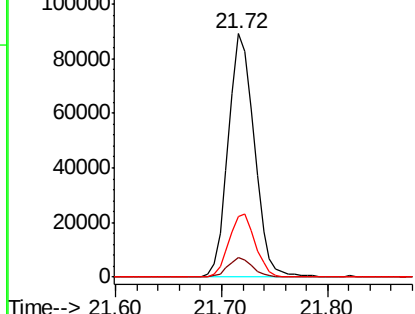
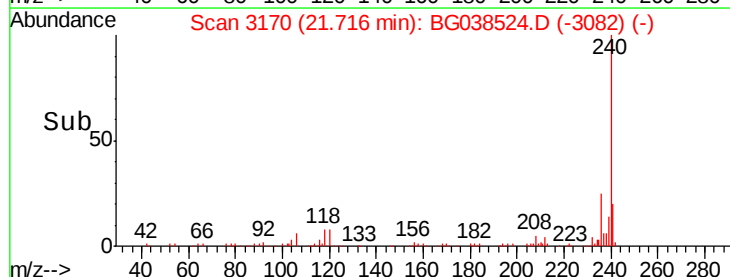


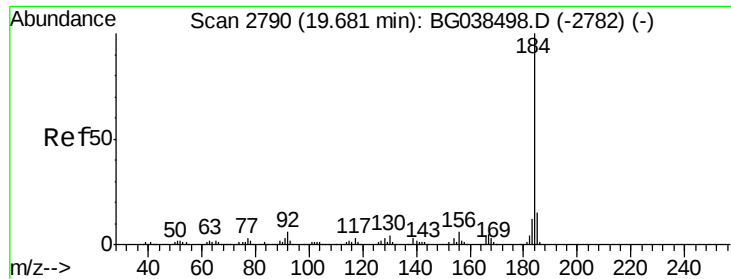
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3170
 Delta R.T. -0.01 min
 Lab File: BG038524.D
 Acq: 13 Dec 2018 9:32

Tgt Ion:240 Resp: 152156
 Ion Ratio Lower Upper
 240 100
 120 8.0 5.3 7.9#
 236 25.0 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: 2.193 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.36 min

Lab File: BG038524.D

Acq: 13 Dec 2018 9:32

Instrument :

BNA_G

ClientSampleId :

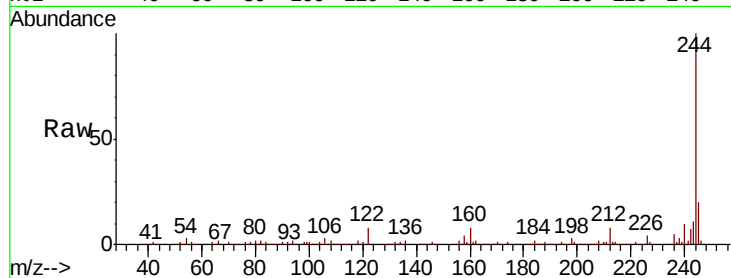
Tot Ion:184 Resp: 9868

Ion Ratio Lower Upper

184 100

185 14.0 12.2 18.2

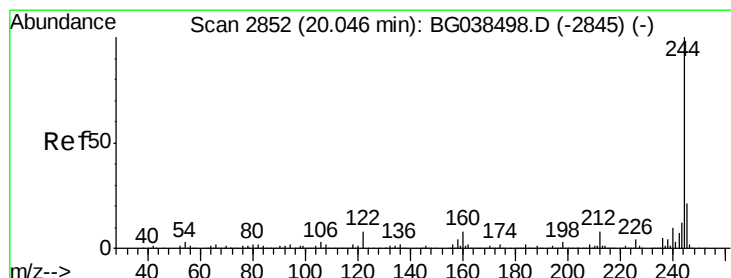
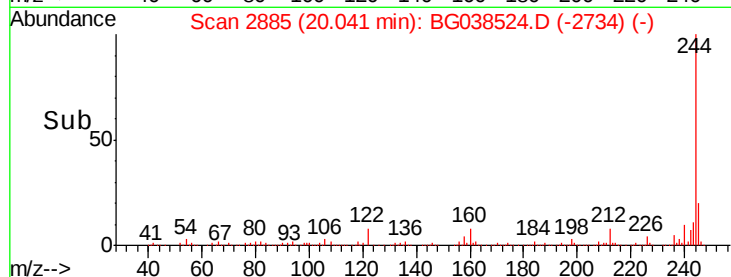
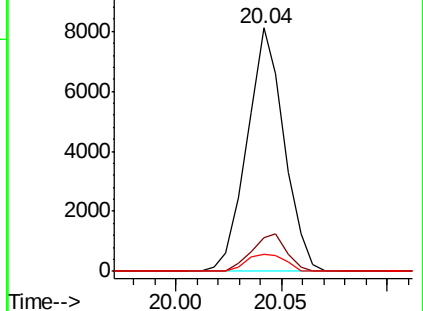
183 7.2 9.6 14.4#



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: 82.670 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BG038524.D

Acq: 13 Dec 2018 9:32

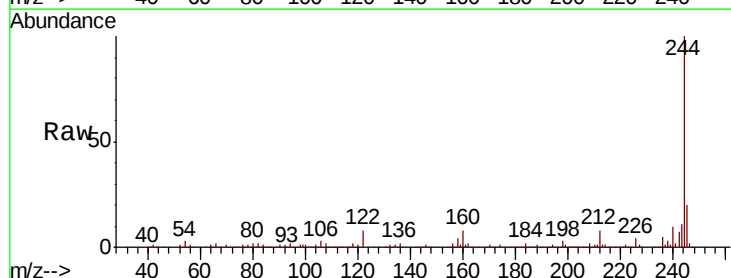
Tgt Ion:244 Resp: 577981

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

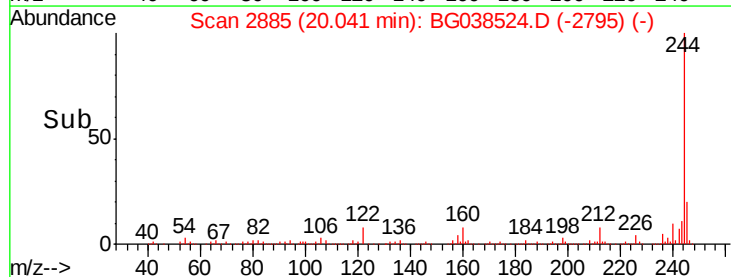
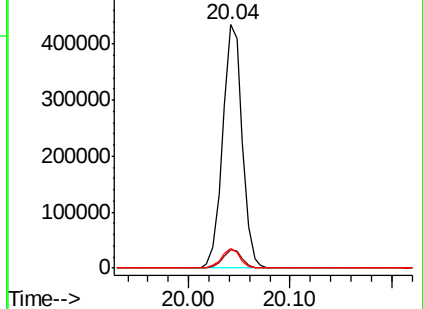
122 7.9 6.3 9.5

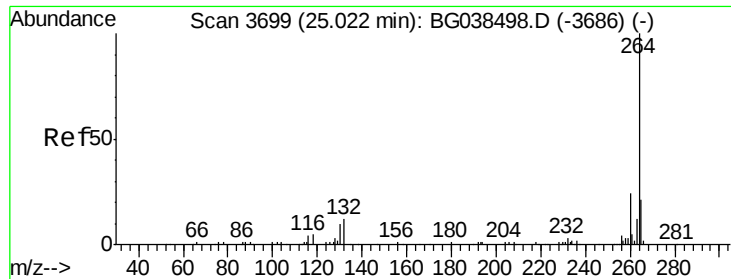


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

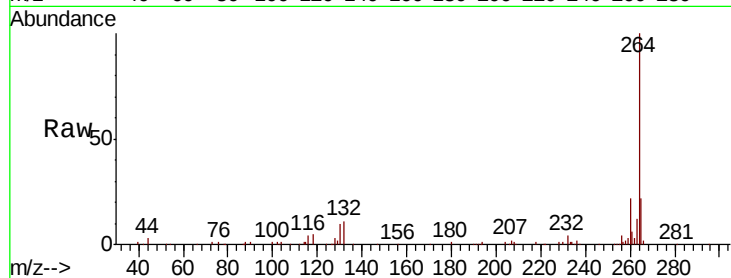




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.01 min Scan# 3731
 Delta R.T. -0.01 min
 Lab File: BG038524.D
 Acq: 13 Dec 2018 9:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	161670
Ion	Ratio	Lower	Upper
264	100		
260	22.1	18.9	28.3
265	21.8	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

