

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121518\
 Data File : BG038627.D
 Acq On : 16 Dec 2018 6:09
 Operator : JU/SJ
 Sample : J6378-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 17 02:29:22 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	24785	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	103277	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	67313	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	165094	20.00	ng	0.00
76) Chrysene-d12	21.72	240	167537	20.00	ng	0.00
87) Perylene-d12	25.01	264	175744	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	179980	128.80	ng	0.00
7) Phenol-d6	7.21	99	253723	132.26	ng	0.00
23) Nitrobenzene-d5	9.23	82	161083	79.68	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	108697	117.17	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	335554	68.39	ng	0.00
79) Terphenyl-d14	20.04	244	559854	72.73	ng	0.00
Target Compounds						
10) Phenol	7.24	94	15842	7.773	ng	83
19) n-Nitroso-di-n-propylamine	9.24	70	21841	16.210	ng	# 70
50) Dimethylphthalate	14.14	163	29139	5.301	ng	# 97
51) 2,6-Dinitrotoluene	14.70	165	8210	6.591	ng	# 22
57) 2,4-Dinitrotoluene	14.70	165	8210	4.679	ng	# 24
67) 4-Bromophenyl-phenylether	16.18	248	7093	3.518	ng	# 1
77) Benzidine	20.04	184	10079	2.034	ng	# 96

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

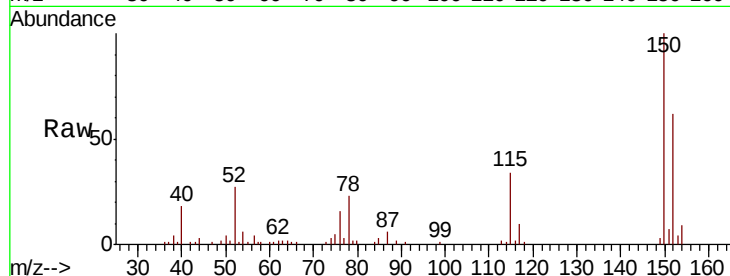


#1

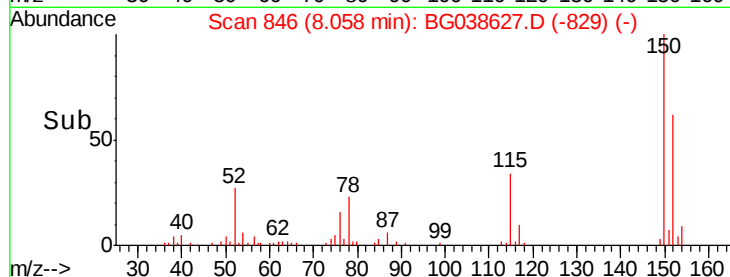
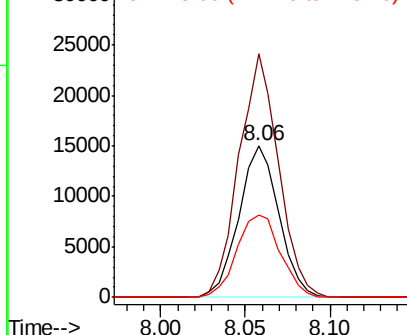
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038627.D
Acq: 16 Dec 2018 6:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 24785
Ion Ratio Lower Upper
152 100
150 160.2 119.5 179.3
115 54.5 49.6 74.4



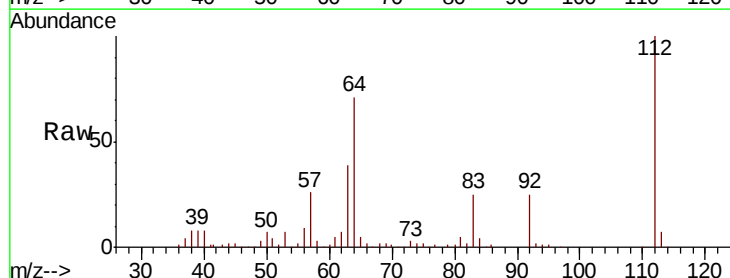
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



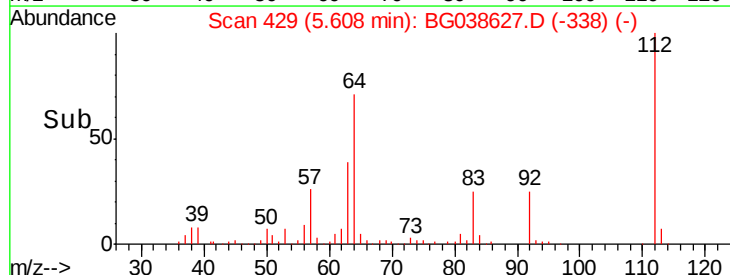
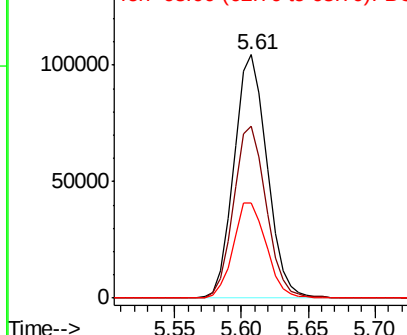
#5

2-Fluorophenol
Concen: 128.796 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.00 min
Lab File: BG038627.D
Acq: 16 Dec 2018 6:09

Tgt Ion:112 Resp: 179980
Ion Ratio Lower Upper
112 100
64 70.7 53.4 80.2
63 39.0 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: 132.260 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038627.D

Acq: 16 Dec 2018 6:09

Instrument :

BNA_G

ClientSampleId :

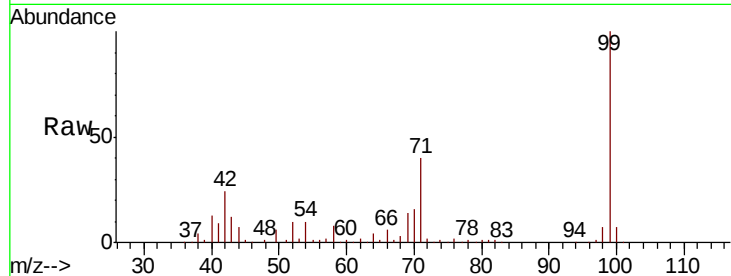
Tot Ion: 99 Resp: 253723

Ion Ratio Lower Upper

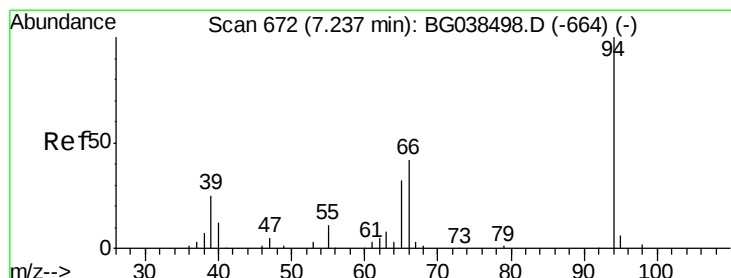
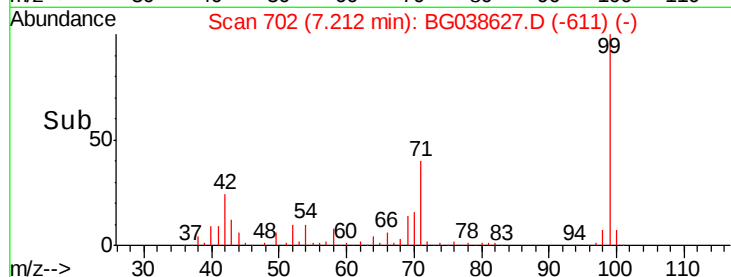
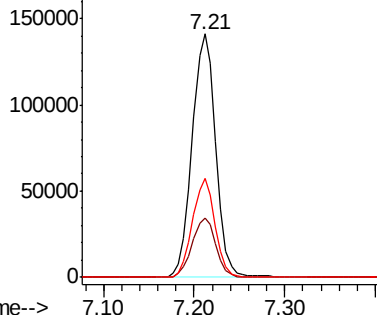
99 100

42 24.3 18.5 27.7

71 40.5 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



#10

Phenol

Concen: 7.773 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.00 min

Lab File: BG038627.D

Acq: 16 Dec 2018 6:09

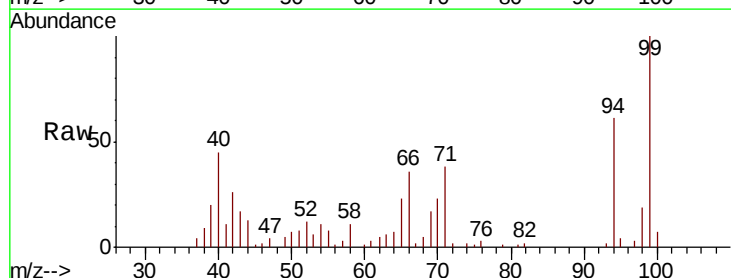
Tgt Ion: 94 Resp: 15842

Ion Ratio Lower Upper

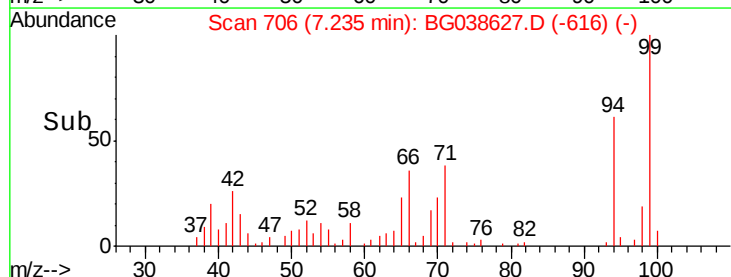
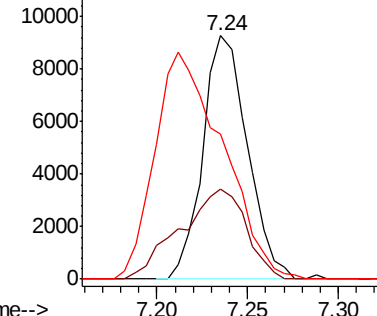
94 100

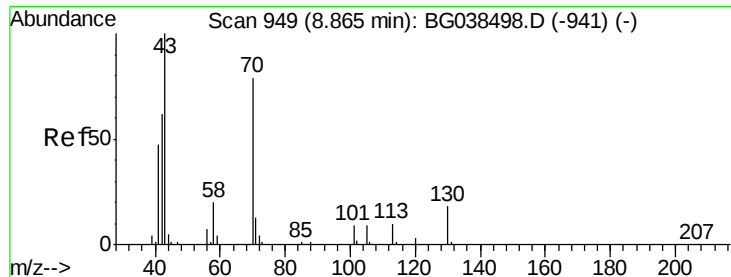
65 37.2 12.6 52.6

66 59.7 24.1 64.1



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

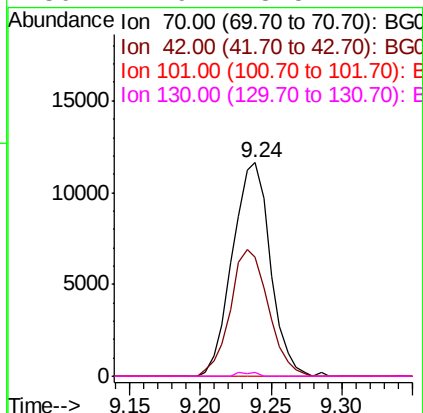
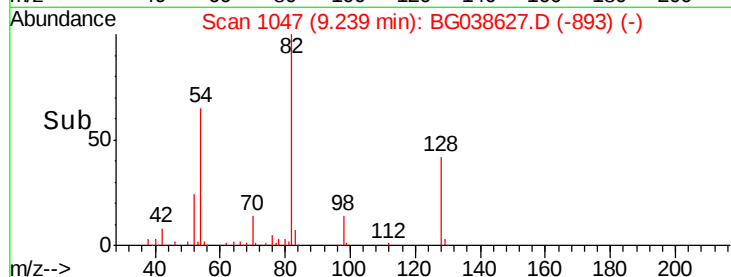
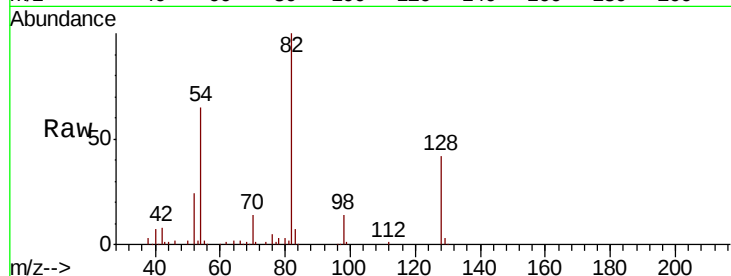




#19
n-Nitroso-di-n-propylamine
Concen: 16.210 ng
RT: 9.24 min Scan# 1047
Delta R.T. 0.37 min
Lab File: BG038627.D
Acq: 16 Dec 2018 6:09

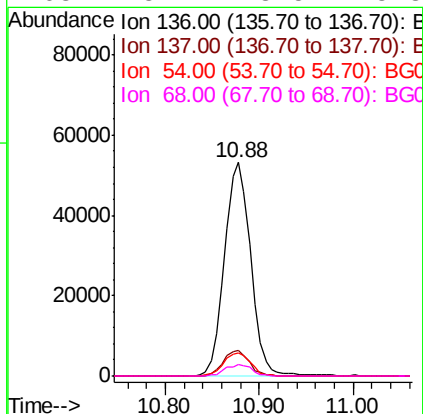
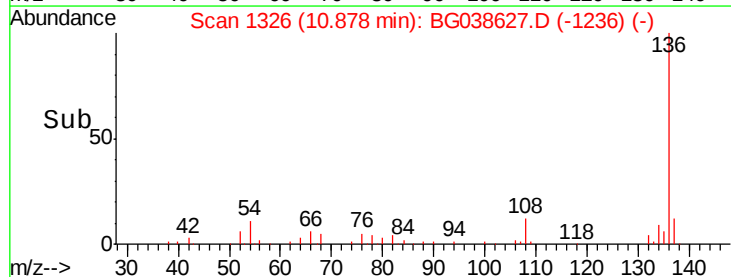
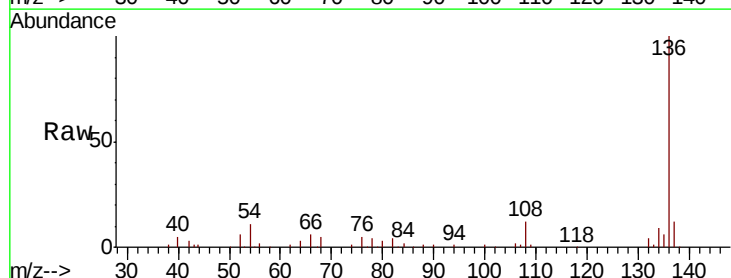
Instrument :
BNA_G
ClientSampleId :

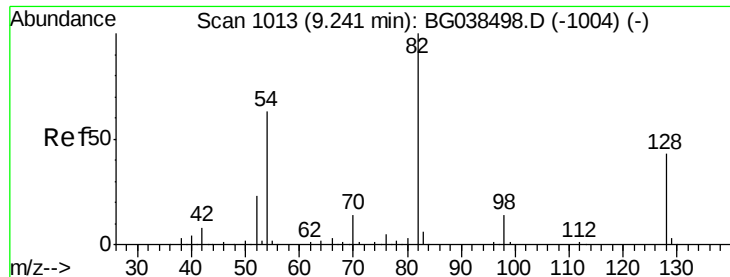
Tot Ion: 70 Resp: 21841
Ion Ratio Lower Upper
70 100
42 56.0 63.6 95.4#
101 0.0 9.2 13.8#
130 1.9 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG038627.D
Acq: 16 Dec 2018 6:09

Tgt Ion: 136 Resp: 103277
Ion Ratio Lower Upper
136 100
137 11.8 9.3 13.9
54 11.1 8.5 12.7
68 5.4 3.5 5.3#

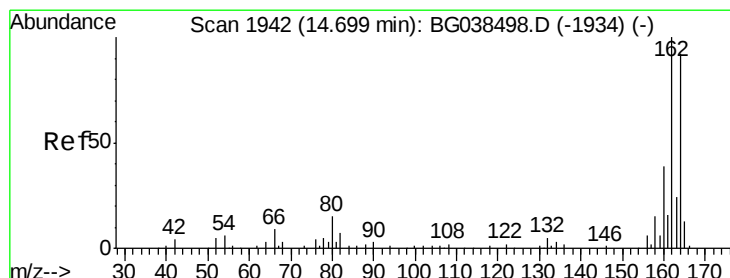
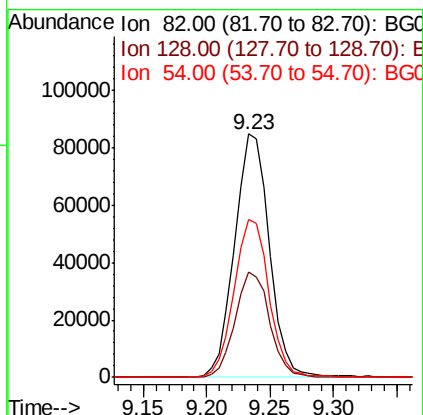
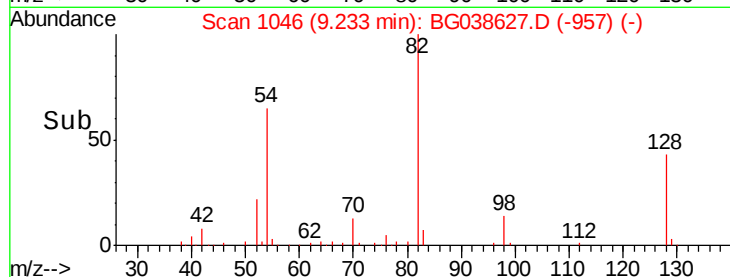
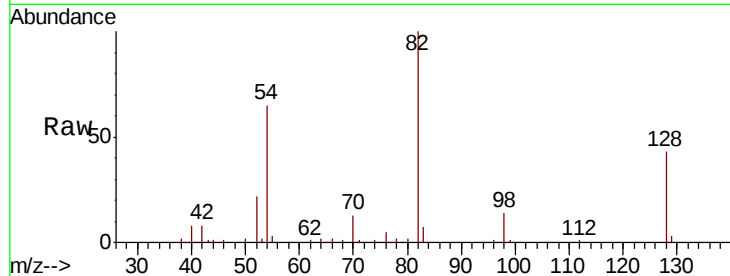




#23
 Nitrobenzene-d5
 Concen: 79.682 ng
 RT: 9.23 min Scan# 1046
 Delta R.T. -0.01 min
 Lab File: BG038627.D
 Acq: 16 Dec 2018 6:09

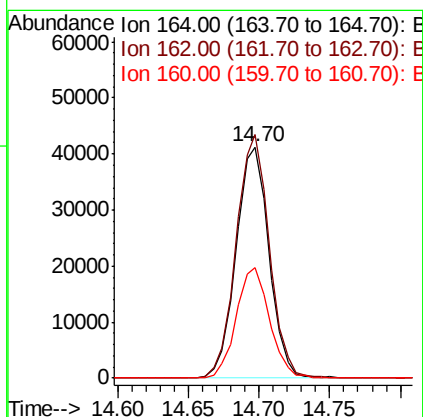
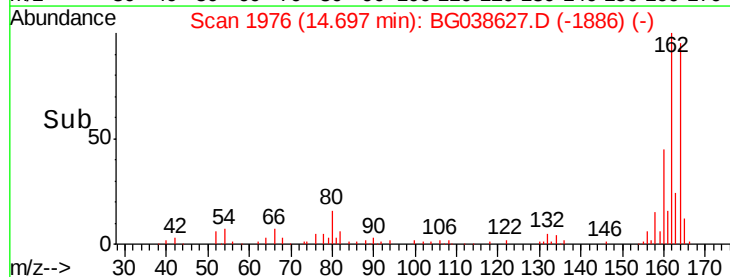
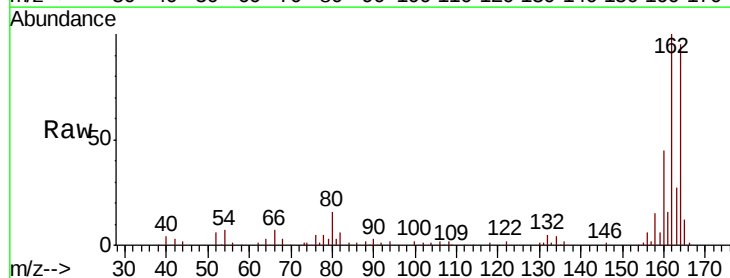
Instrument :
 BNA_G
 ClientSampled :

Tot Ion: 82 Resp: 161083
 Ion Ratio Lower Upper
 82 100
 128 43.2 34.6 52.0
 54 64.7 50.6 76.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.00 min
 Lab File: BG038627.D
 Acq: 16 Dec 2018 6:09

Tgt Ion: 164 Resp: 67313
 Ion Ratio Lower Upper
 164 100
 162 105.3 86.6 130.0
 160 47.8 34.2 51.2

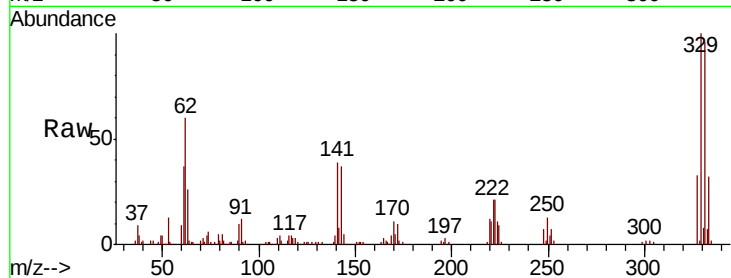




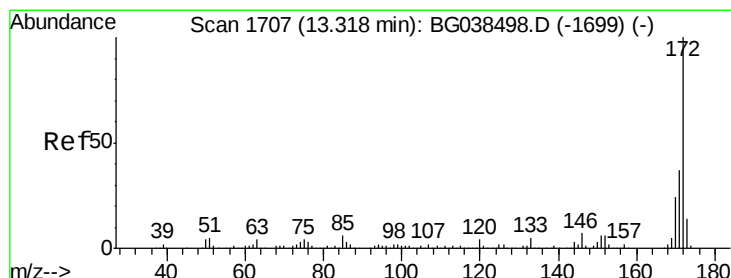
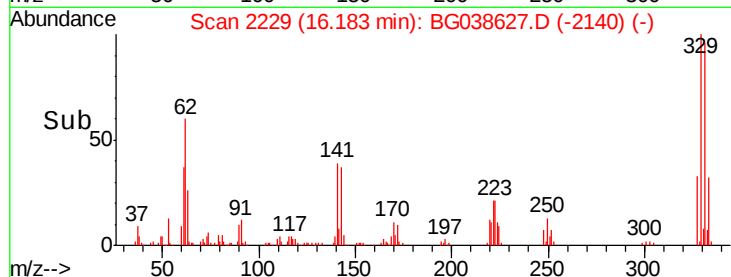
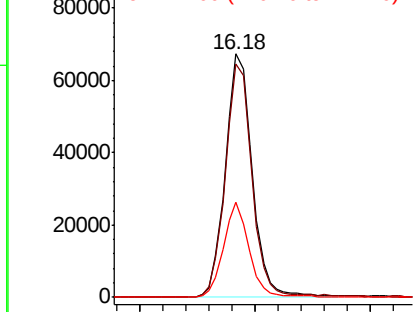
#42
 2,4,6-Tribromophenol
 Concen: 117.169 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.01 min
 Lab File: BG038627.D
 Acq: 16 Dec 2018 6:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.9	115.3
141	37.3	28.8	43.2

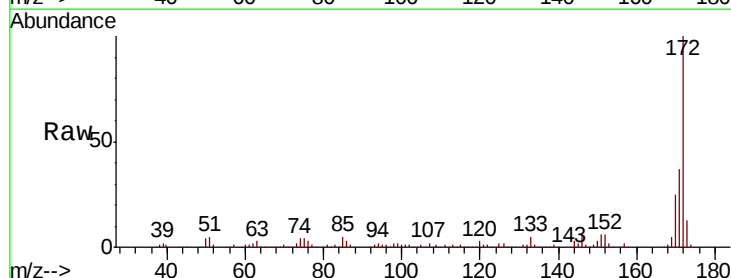


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

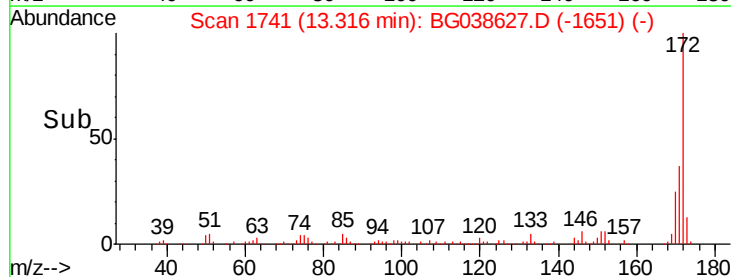
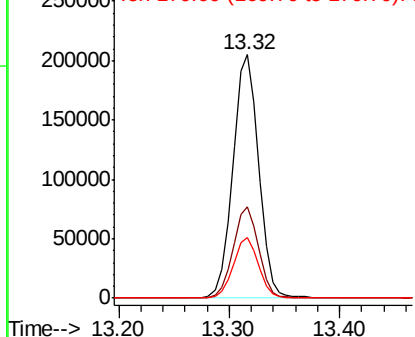


#45
 2-Fluorobiphenyl
 Concen: 68.386 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG038627.D
 Acq: 16 Dec 2018 6:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.8	44.6
170	24.7	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





#50

Dimethylphthalate

Concen: 5.301 ng

RT: 14.14 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BG038627.D

Acq: 16 Dec 2018 6:09

Instrument :

BNA_G

ClientSampleId :

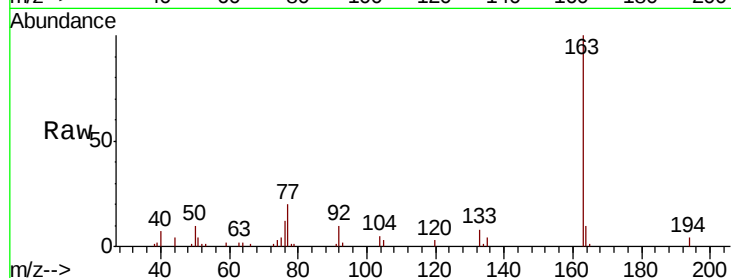
Tot Ion:163 Resp: 29139

Ion Ratio Lower Upper

163 100

194 3.6 3.7 5.5#

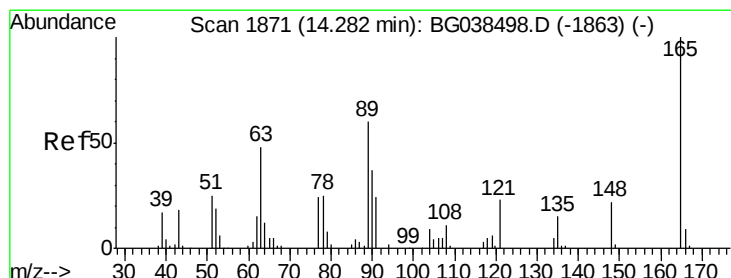
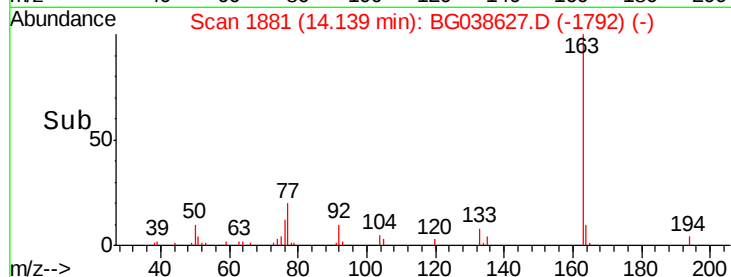
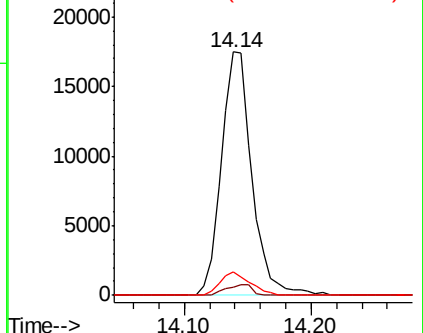
164 9.6 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 6.591 ng

RT: 14.70 min Scan# 1976

Delta R.T. 0.42 min

Lab File: BG038627.D

Acq: 16 Dec 2018 6:09

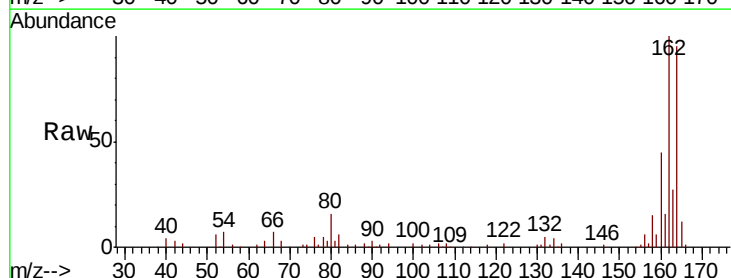
Tgt Ion:165 Resp: 8210

Ion Ratio Lower Upper

165 100

63 0.0 51.8 77.6#

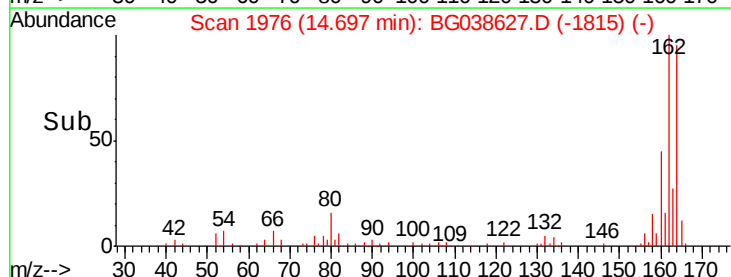
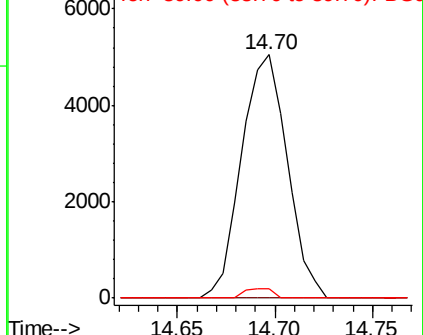
89 3.7 47.9 71.9#

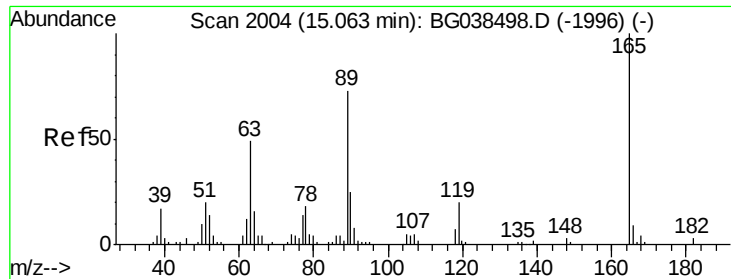


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

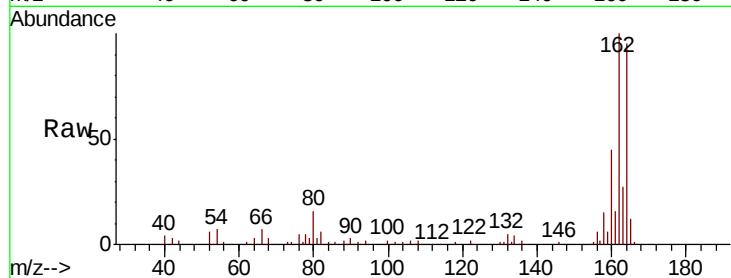




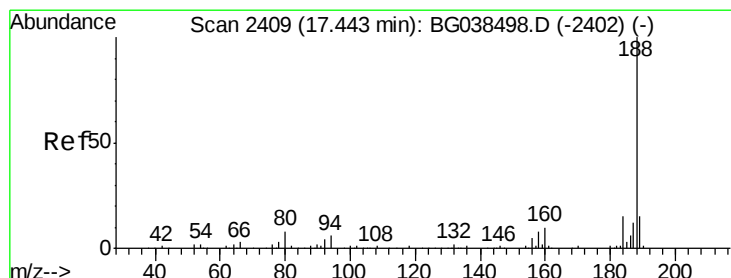
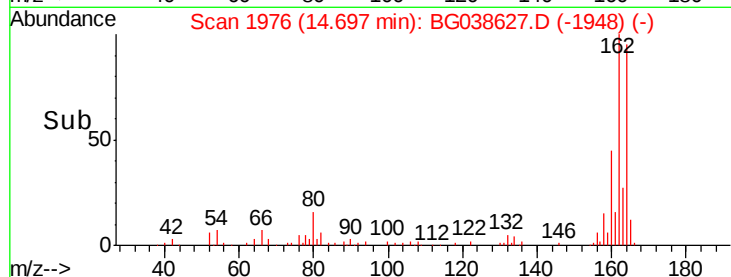
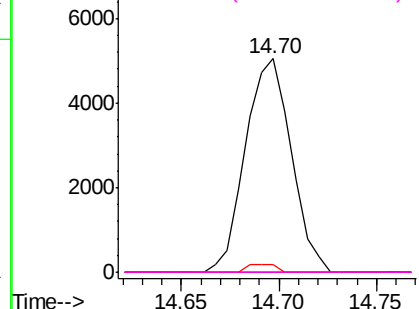
#57
2,4-Dinitrotoluene
Concen: 4.679 ng
RT: 14.70 min Scan# 1976
Delta R.T. -0.37 min
Lab File: BG038627.D
Acq: 16 Dec 2018 6:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	3.7	58.0	87.0#
182	0.0	2.3	3.5#

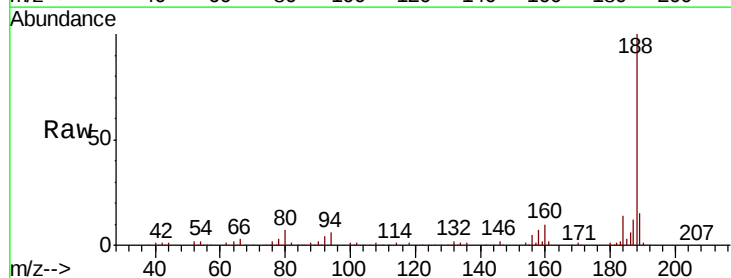


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

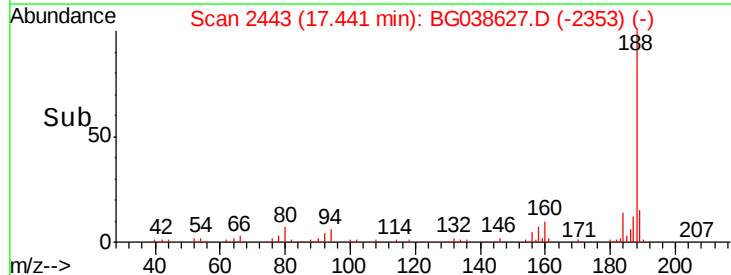
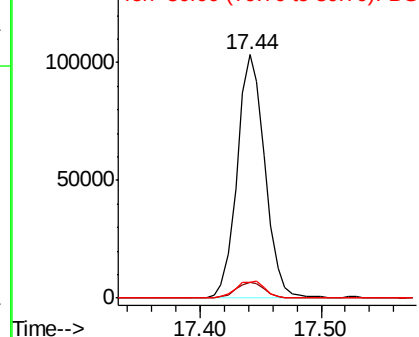


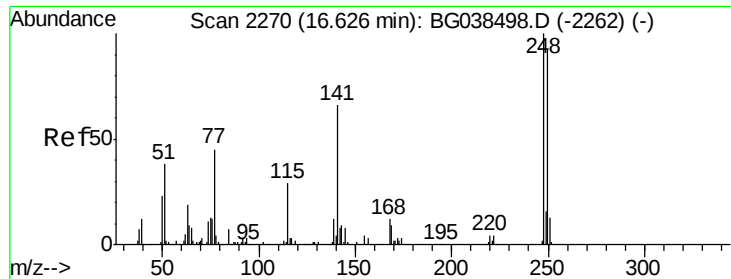
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG038627.D
Acq: 16 Dec 2018 6:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.2	5.1	7.7
80	6.7	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

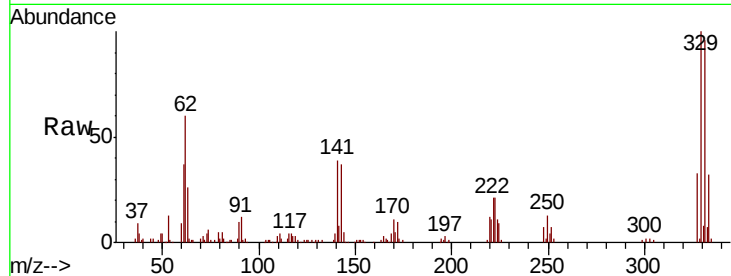




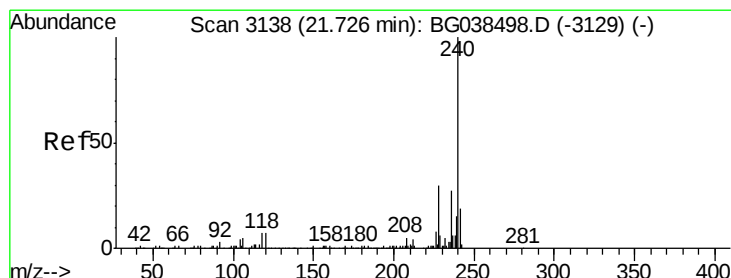
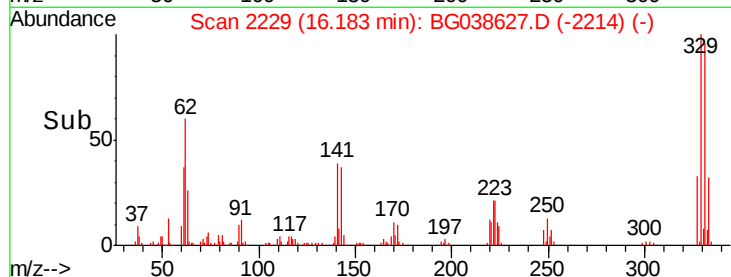
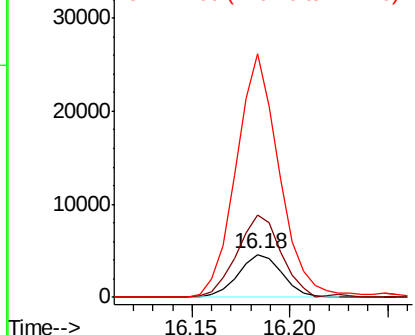
#67
4-Bromophenyl-phenylether
Concen: 3.518 ng
RT: 16.18 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038627.D
Acq: 16 Dec 2018 6:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 7093
Ion Ratio Lower Upper
248 100
250 178.1 73.4 110.2#
141 414.5 52.9 79.3#

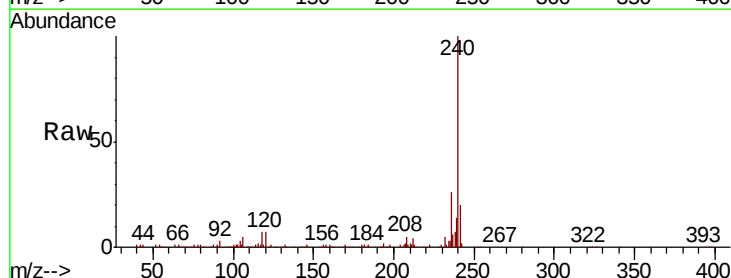


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

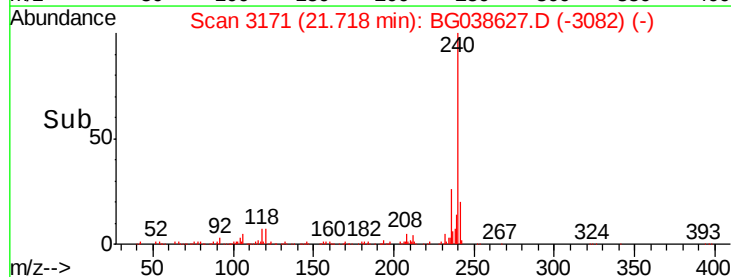
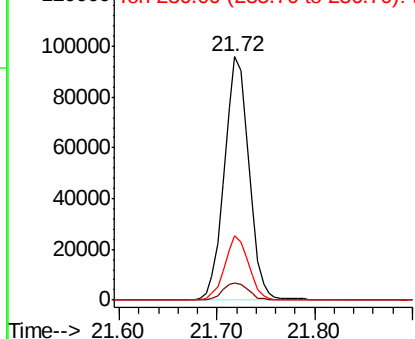


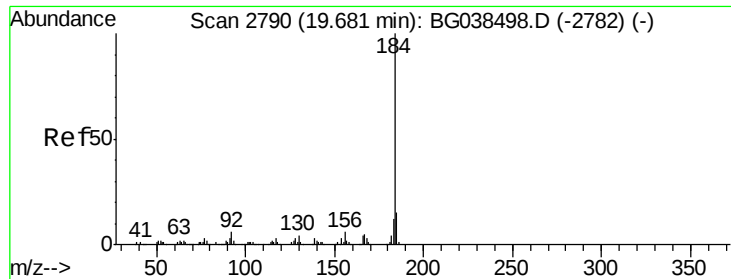
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038627.D
Acq: 16 Dec 2018 6:09

Tgt Ion:240 Resp: 167537
Ion Ratio Lower Upper
240 100
120 7.0 5.3 7.9
236 26.3 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: 2.034 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038627.D

Acq: 16 Dec 2018 6:09

Instrument :

BNA_G

ClientSampleId :

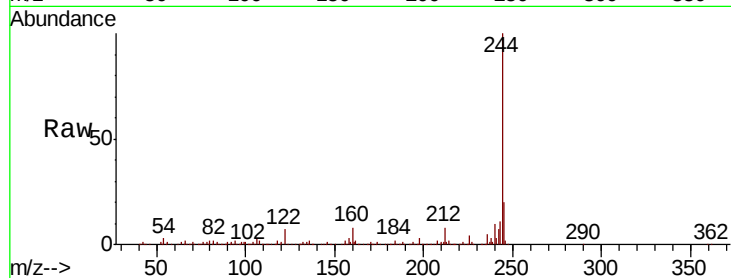
Tot Ion:184 Resp: 10079

Ion Ratio Lower Upper

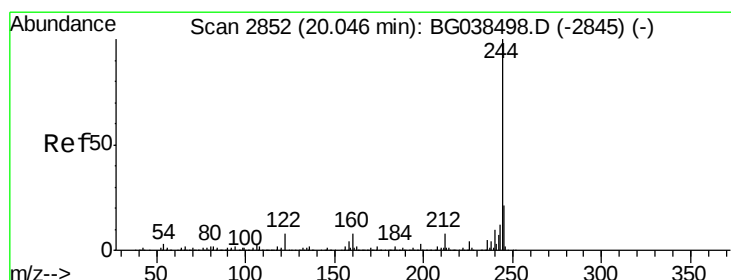
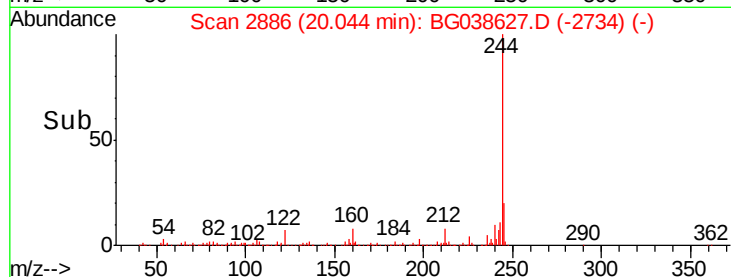
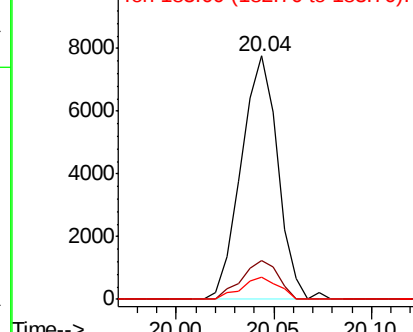
184 100

185 15.9 12.2 18.2

183 8.9 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: 72.726 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038627.D

Acq: 16 Dec 2018 6:09

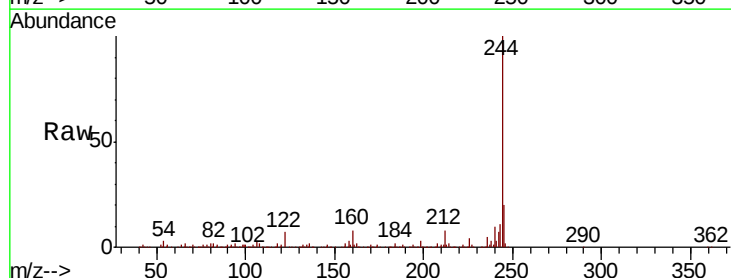
Tgt Ion:244 Resp: 559854

Ion Ratio Lower Upper

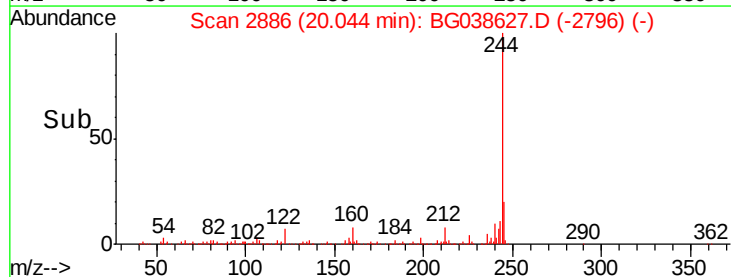
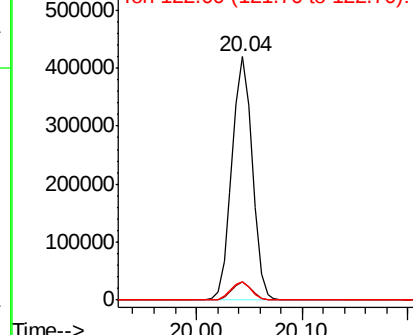
244 100

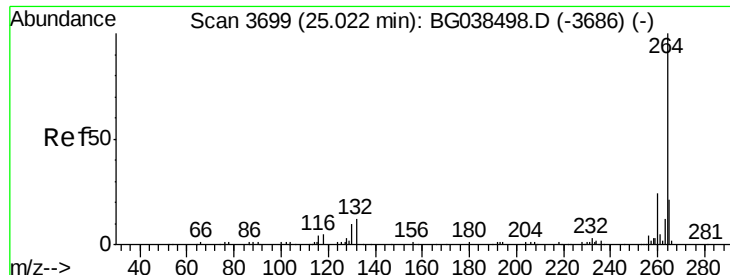
212 7.6 6.2 9.2

122 7.5 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

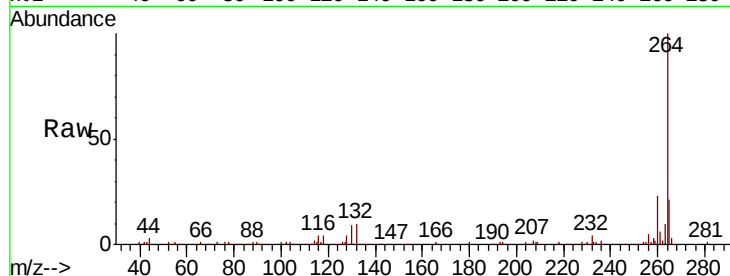




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.01 min Scan# 3732
 Delta R.T. -0.01 min
 Lab File: BG038627.D
 Acq: 16 Dec 2018 6:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.9	28.3
265	20.8	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

