

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121318\
 Data File : BG038549.D
 Acq On : 14 Dec 2018 1:56
 Operator : JU/SJ
 Sample : J6347-18
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P001-TW002-01

Quant Time: Dec 14 03:18:33 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

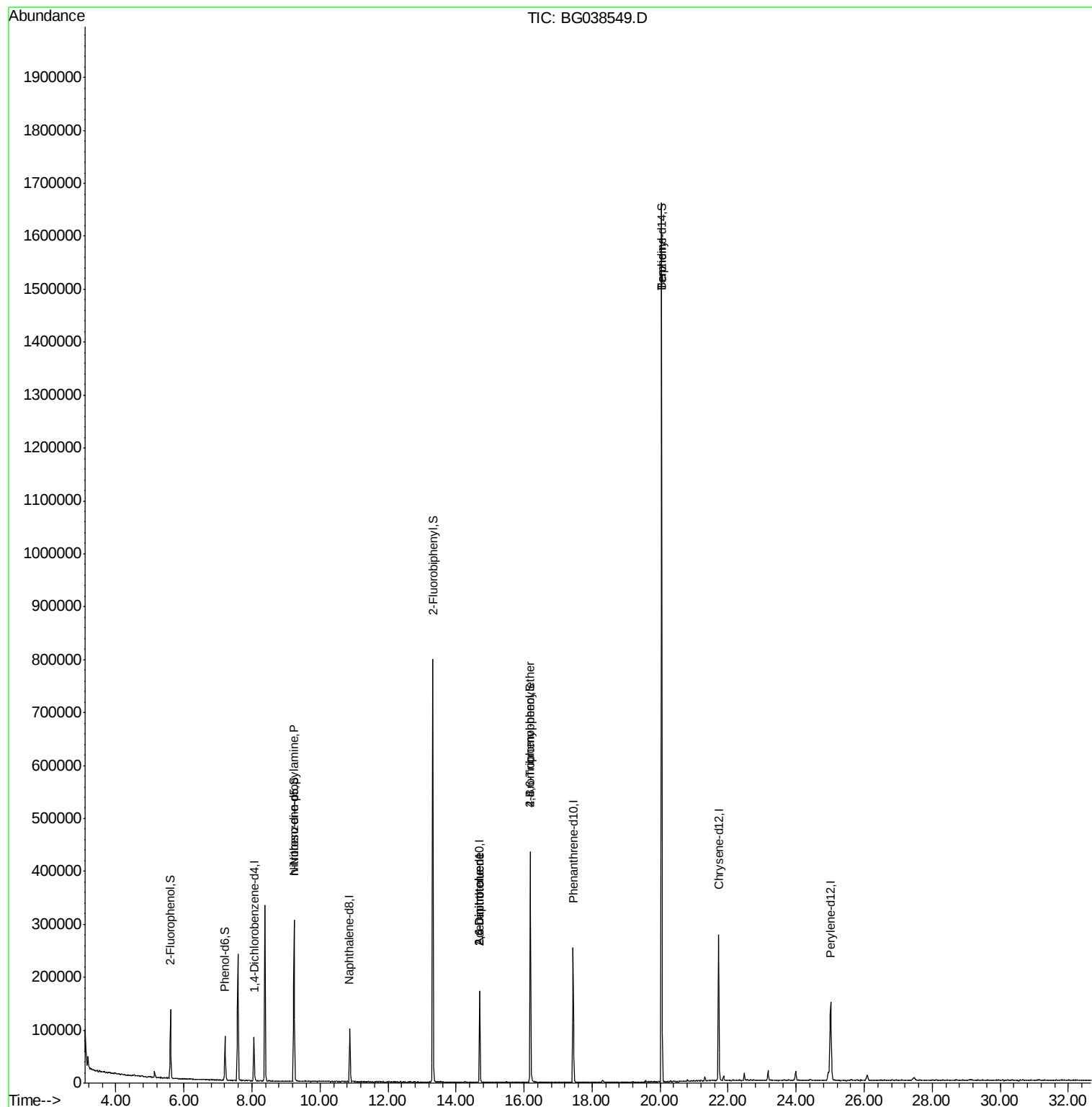
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	23126	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	92957	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	62812	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	164690	20.00	ng	0.00
76) Chrysene-d12	21.72	240	173922	20.00	ng	0.00
87) Perylene-d12	25.01	264	185446	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	55752	42.76	ng	0.00
7) Phenol-d6	7.21	99	46634	26.05	ng	0.00
23) Nitrobenzene-d5	9.23	82	180969	99.46	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	87688	101.30	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	429822	93.88	ng	0.00
79) Terphenyl-d14	20.05	244	795668	99.56	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	24396	19.406	ng	# 66
51) 2,6-Dinitrotoluene	14.69	165	8189	7.045	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	8189	5.002	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	5943	2.955	ng	# 1
77) Benzidine	20.05	184	13282	2.582	ng	97

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

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
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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: BG038549.D

Acq: 14 Dec 2018 1:56

Instrument :

BNA_G

ClientSampleId :

P001-TW002-01

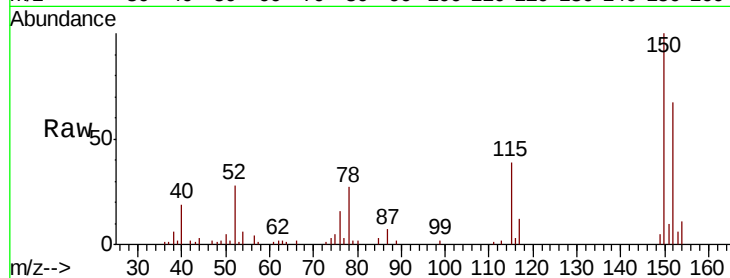
Tgt Ion:152 Resp: 23126

Ion Ratio Lower Upper

152 100

150 148.5 119.5 179.3

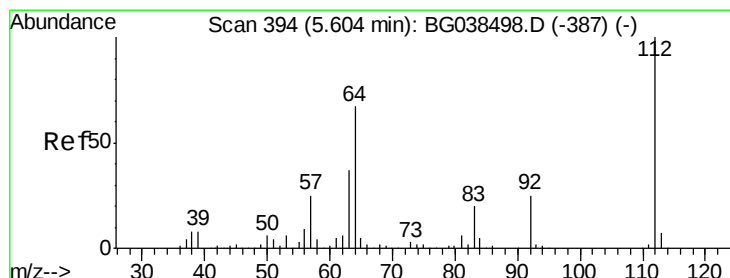
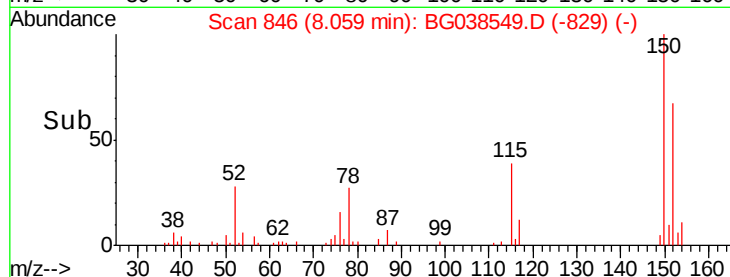
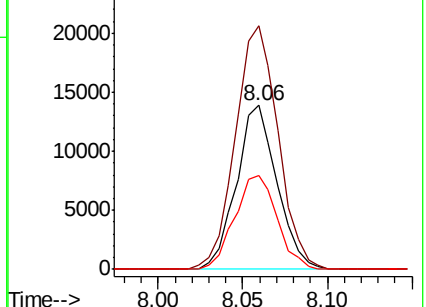
115 57.4 49.6 74.4



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: 42.759 ng

RT: 5.60 min Scan# 428

Delta R.T. 0.00 min

Lab File: BG038549.D

Acq: 14 Dec 2018 1:56

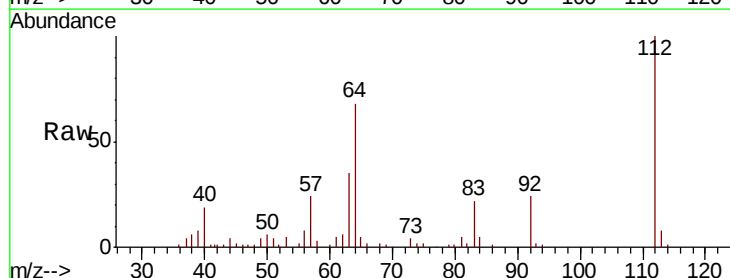
Tgt Ion:112 Resp: 55752

Ion Ratio Lower Upper

112 100

64 68.1 53.4 80.2

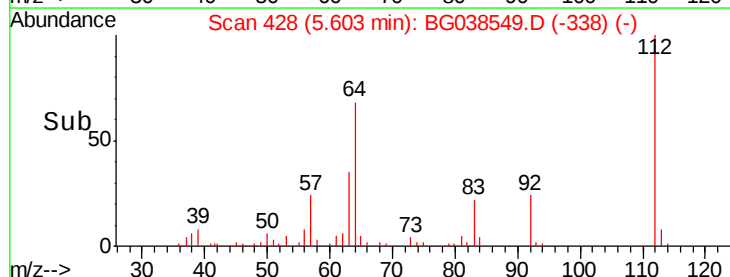
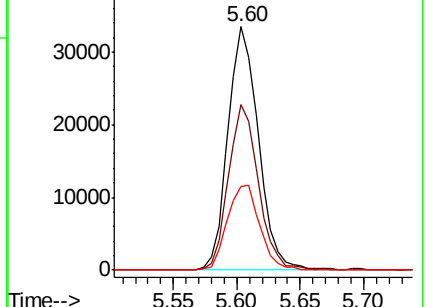
63 34.5 29.3 43.9



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: 26.053 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038549.D

Acq: 14 Dec 2018 1:56

Instrument :

BNA_G

ClientSampleId :

P001-TW002-01

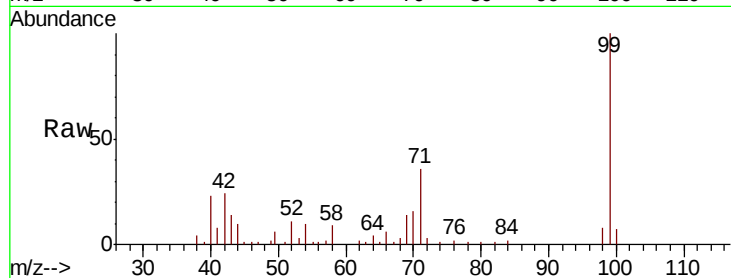
Tgt Ion: 99 Resp: 46634

Ion Ratio Lower Upper

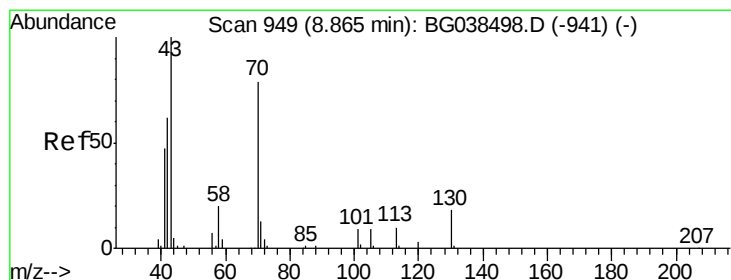
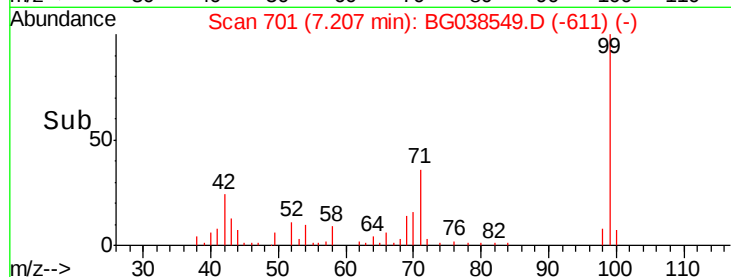
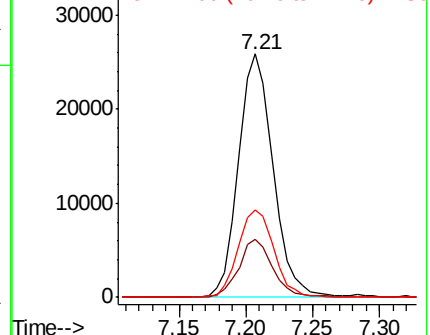
99 100

42 24.0 18.5 27.7

71 36.0 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: 19.406 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038549.D

Acq: 14 Dec 2018 1:56

Tgt Ion: 70 Resp: 24396

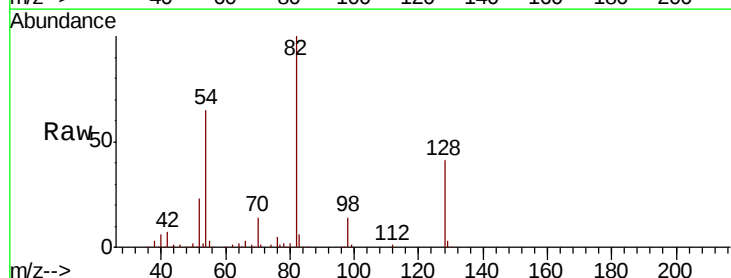
Ion Ratio Lower Upper

70 100

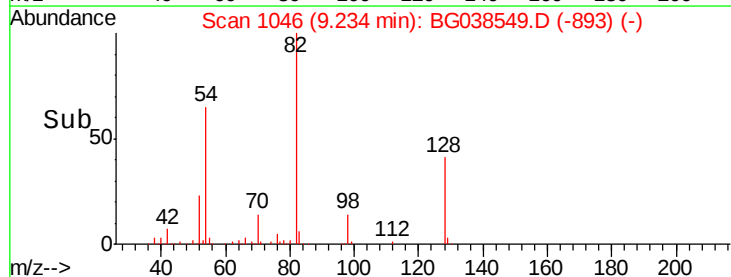
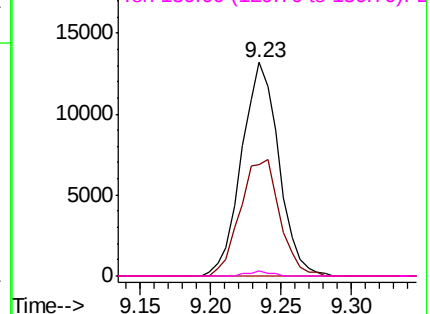
42 51.9 63.6 95.4#

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

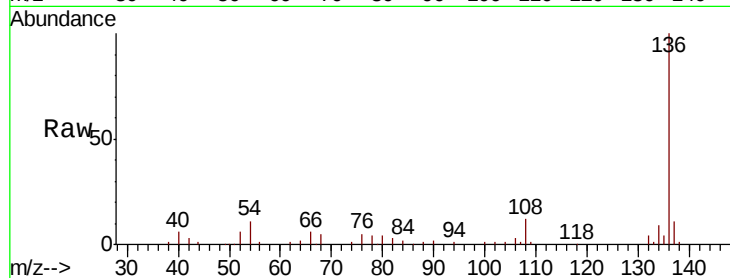




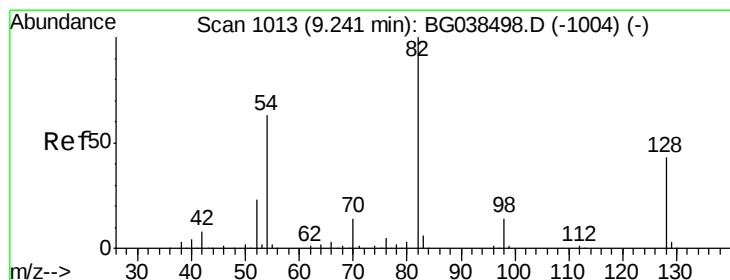
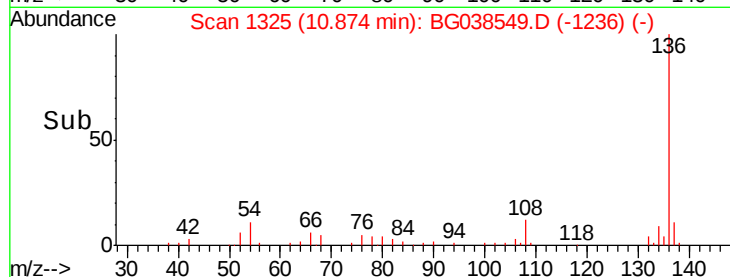
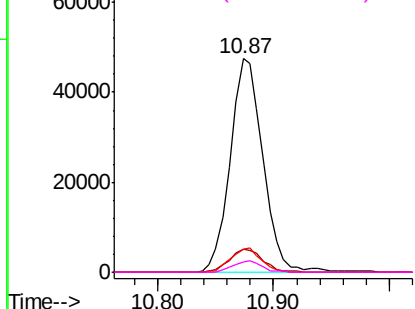
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038549.D
Acq: 14 Dec 2018 1:56

Instrument :
BNA_G
ClientSampleId :
P001-TW002-01

Tgt Ion:	136	Resp:	92957
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.3	13.9
54	10.8	8.5	12.7
68	4.9	3.5	5.3

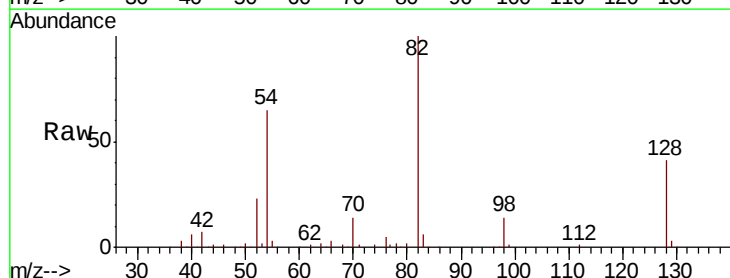


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

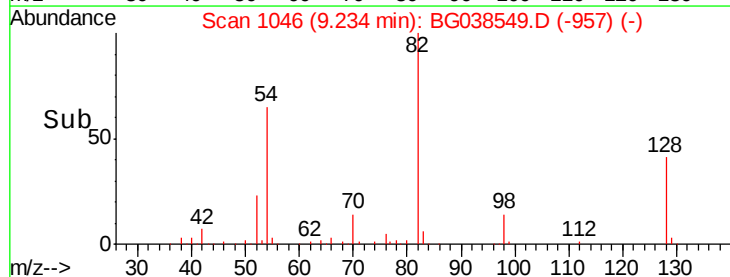
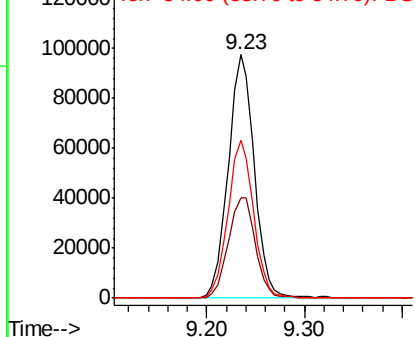


#23
Nitrobenzene-d5
Concen: 99.457 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038549.D
Acq: 14 Dec 2018 1:56

Tgt Ion:	82	Resp:	180969
Ion	Ratio	Lower	Upper
82	100		
128	40.9	34.6	52.0
54	64.6	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. -0.01 min

Lab File: BG038549.D

Acq: 14 Dec 2018 1:56

Instrument :

BNA_G

ClientSampleId :

P001-TW002-01

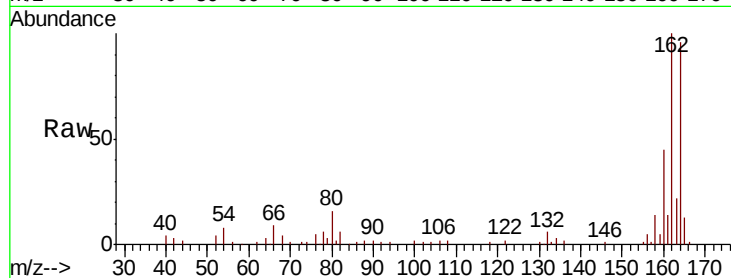
Tgt Ion:164 Resp: 62812

Ion Ratio Lower Upper

164 100

162 103.9 86.6 130.0

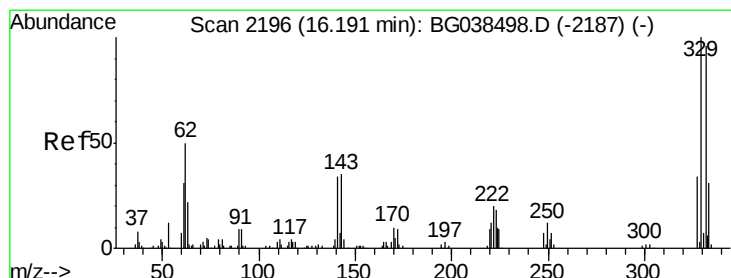
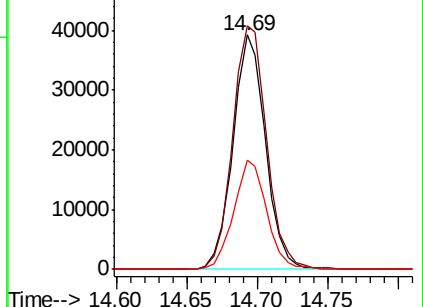
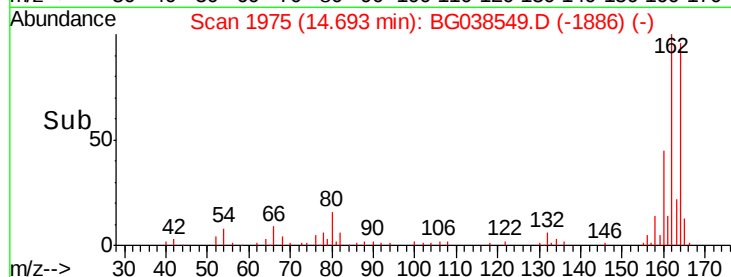
160 46.5 34.2 51.2



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: 101.296 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038549.D

Acq: 14 Dec 2018 1:56

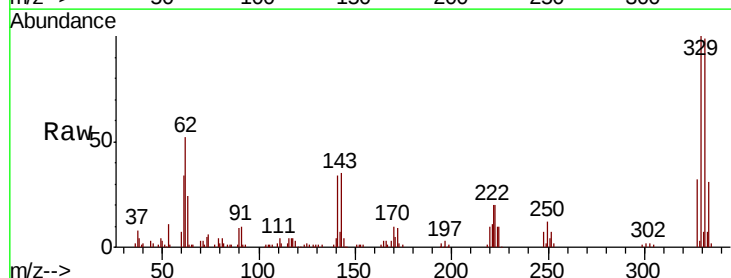
Tgt Ion:330 Resp: 87688

Ion Ratio Lower Upper

330 100

332 97.8 76.9 115.3

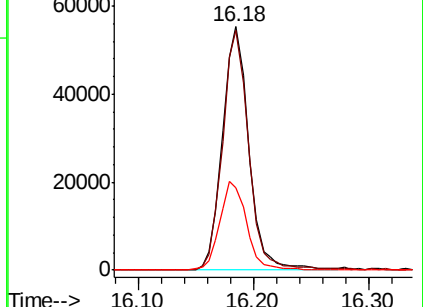
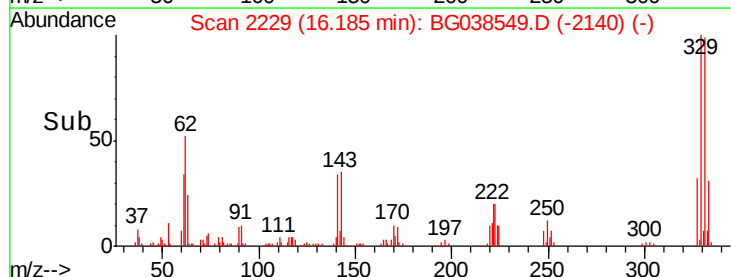
141 37.0 28.8 43.2



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

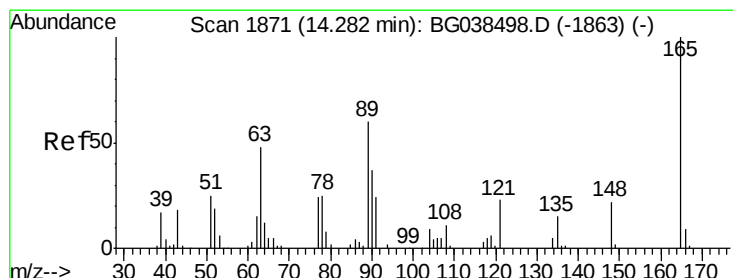
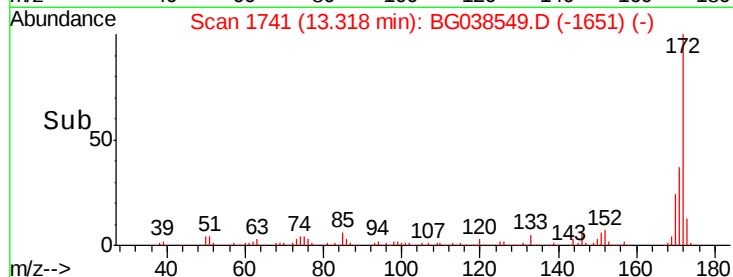
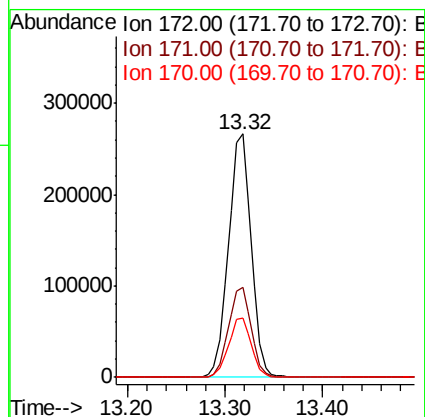
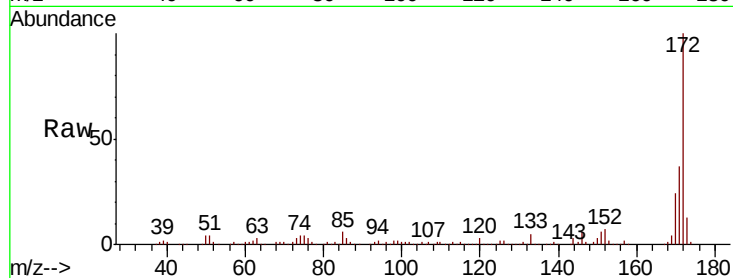




#45
 2-Fluorobiphenyl
 Concen: 93.875 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG038549.D
 Acq: 14 Dec 2018 1:56

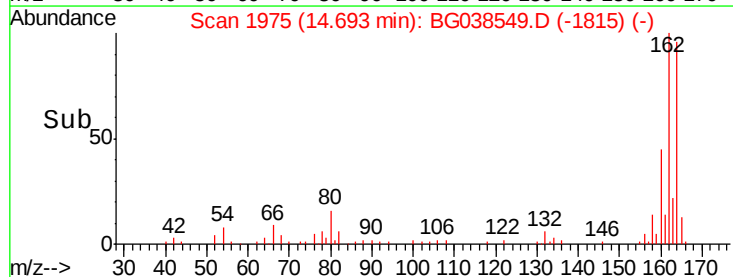
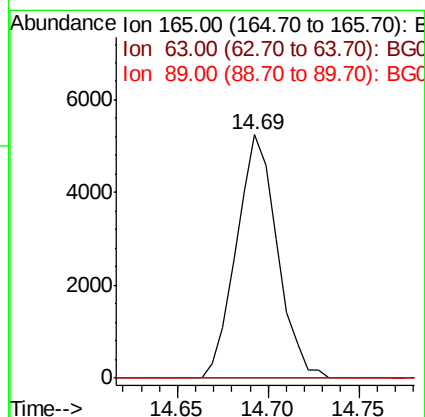
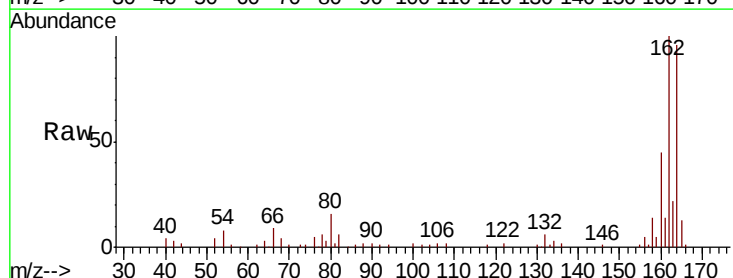
Instrument :
 BNA_G
 ClientSampleId :
 P001-TW002-01

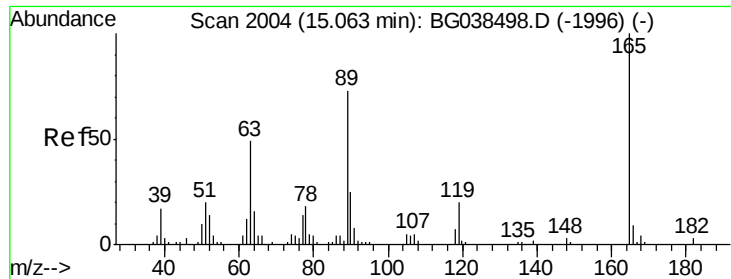
Tgt Ion:172 Resp: 429822
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.8 44.6
 170 24.1 19.5 29.3



#51
 2,6-Dinitrotoluene
 Concen: 7.045 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038549.D
 Acq: 14 Dec 2018 1:56

Tgt Ion:165 Resp: 8189
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.6#
 89 0.0 47.9 71.9#

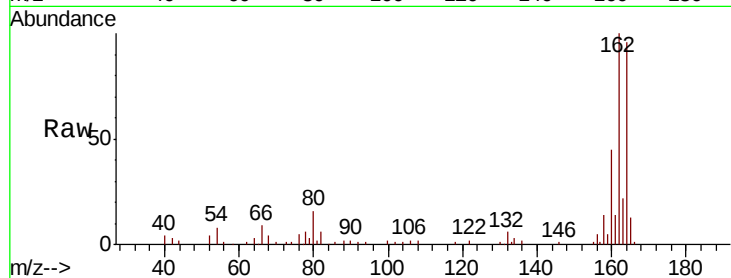




#57
2,4-Dinitrotoluene
Concen: 5.002 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.37 min
Lab File: BG038549.D
Acq: 14 Dec 2018 1:56

Instrument :
BNA_G
ClientSampleId :
P001-TW002-01

Tgt 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#

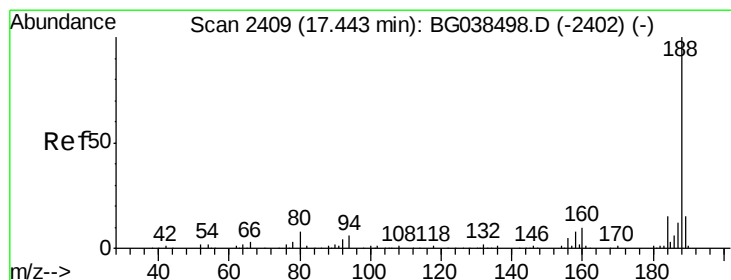
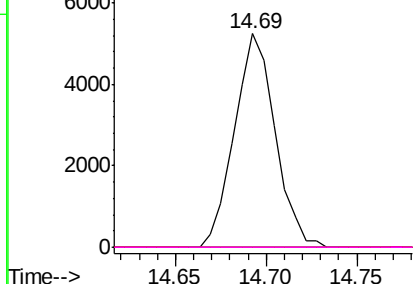
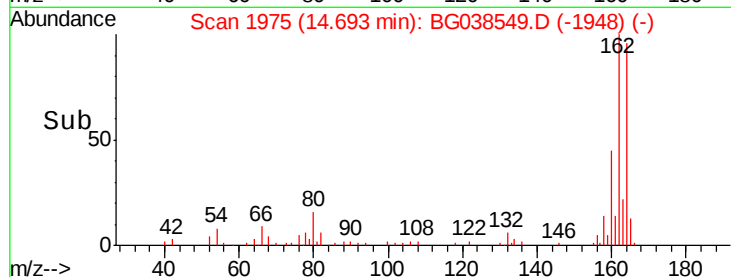


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

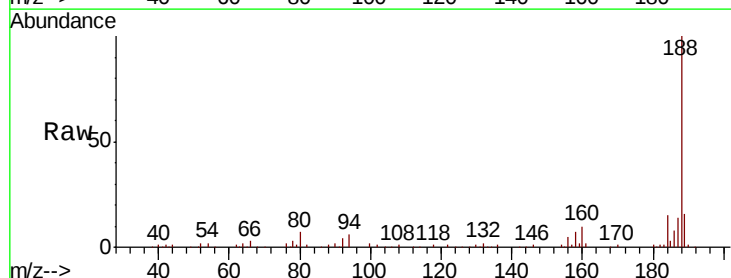
Ion 89.00 (88.70 to 89.70): BGC

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: BG038549.D
Acq: 14 Dec 2018 1:56

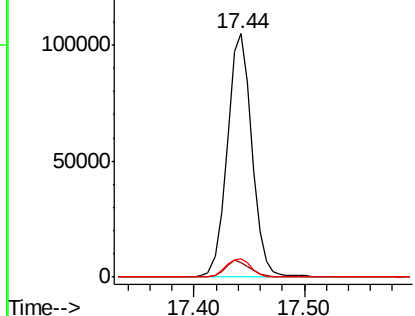
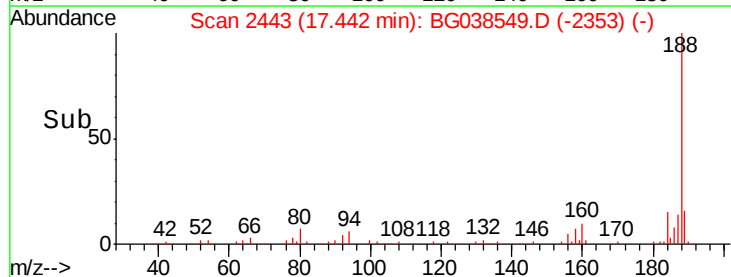
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.9	5.1	7.7
80	7.5	6.1	9.1



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

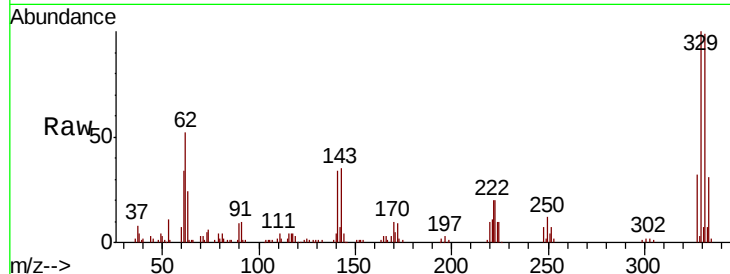




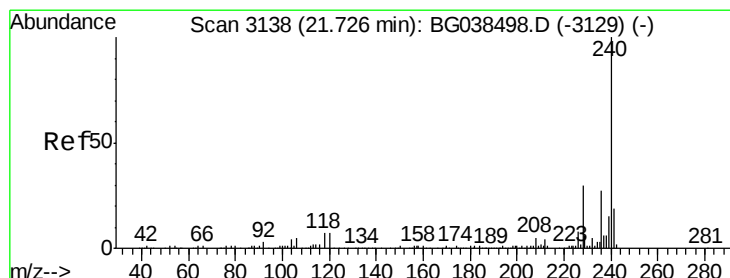
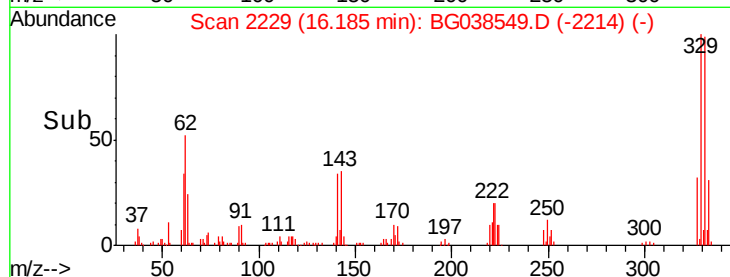
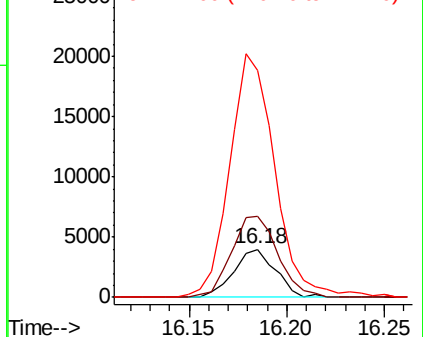
#67
4-Bromophenyl-phenylether
Concen: 2.955 ng
RT: 16.18 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038549.D
Acq: 14 Dec 2018 1:56

Instrument :
BNA_G
ClientSampleId :
P001-TW002-01

Tgt Ion:248 Resp: 5943
Ion Ratio Lower Upper
248 100
250 173.4 73.4 110.2#
141 365.7 52.9 79.3#

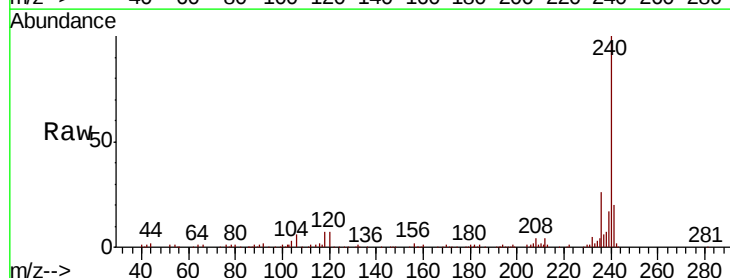


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

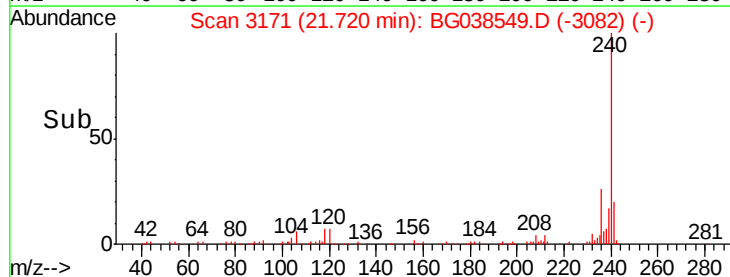
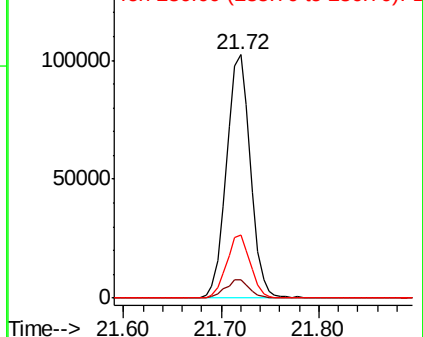


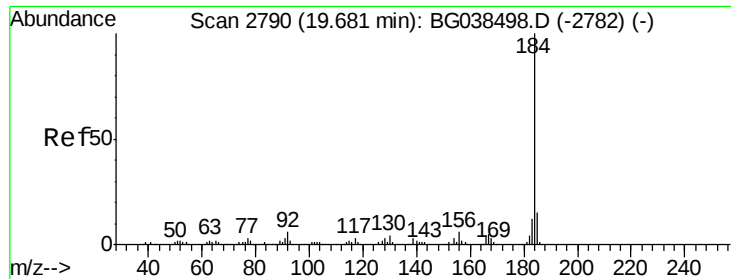
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038549.D
Acq: 14 Dec 2018 1:56

Tgt Ion:240 Resp: 173922
Ion Ratio Lower Upper
240 100
120 7.3 5.3 7.9
236 26.2 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: 2.582 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038549.D

Acq: 14 Dec 2018 1:56

Instrument :

BNA_G

ClientSampleId :

P001-TW002-01

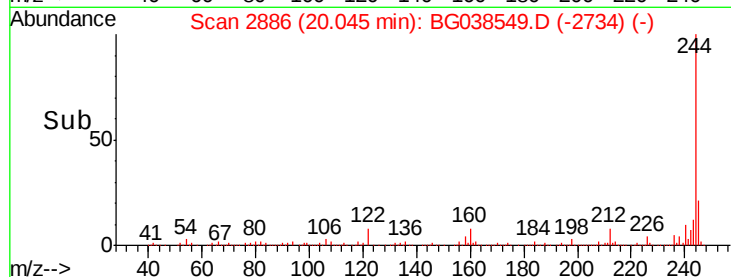
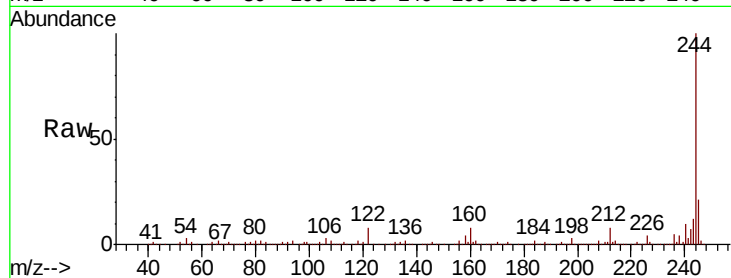
Tgt Ion:184 Resp: 13282

Ion Ratio Lower Upper

184 100

185 15.4 12.2 18.2

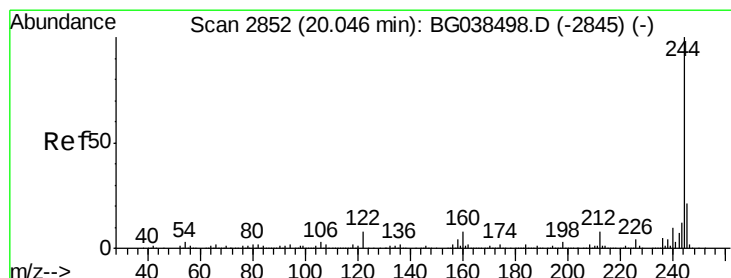
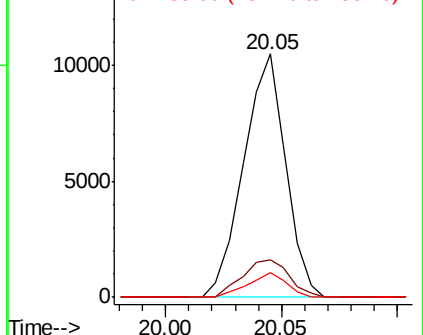
183 10.0 9.6 14.4



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: 99.564 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG038549.D

Acq: 14 Dec 2018 1:56

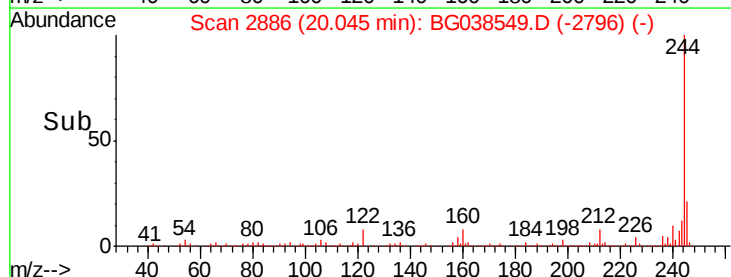
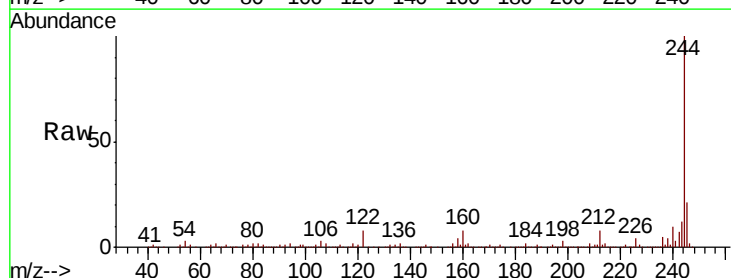
Tgt Ion:244 Resp: 795668

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

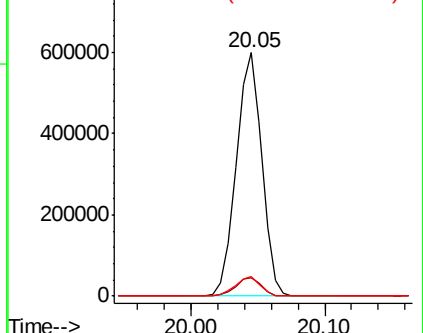
122 8.0 6.3 9.5

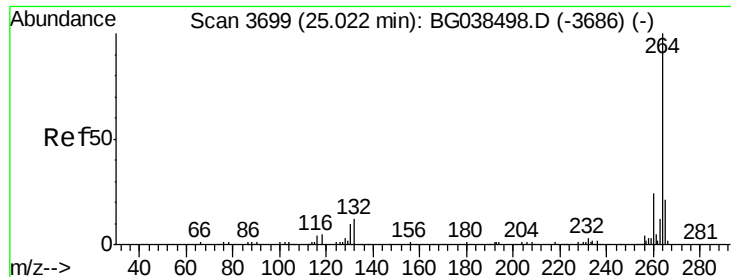


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.01 min Scan# 3731
Delta R.T. -0.01 min
Lab File: BG038549.D
Acq: 14 Dec 2018 1:56

Instrument :
BNA_G
ClientSampleId :
P001-TW002-01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.9	28.3
265	20.0	17.0	25.4

