

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121818\
 Data File : BG038710.D
 Acq On : 19 Dec 2018 2:36
 Operator : JU/SJ
 Sample : J6403-48RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-6-B

Quant Time: Dec 19 07:02:18 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

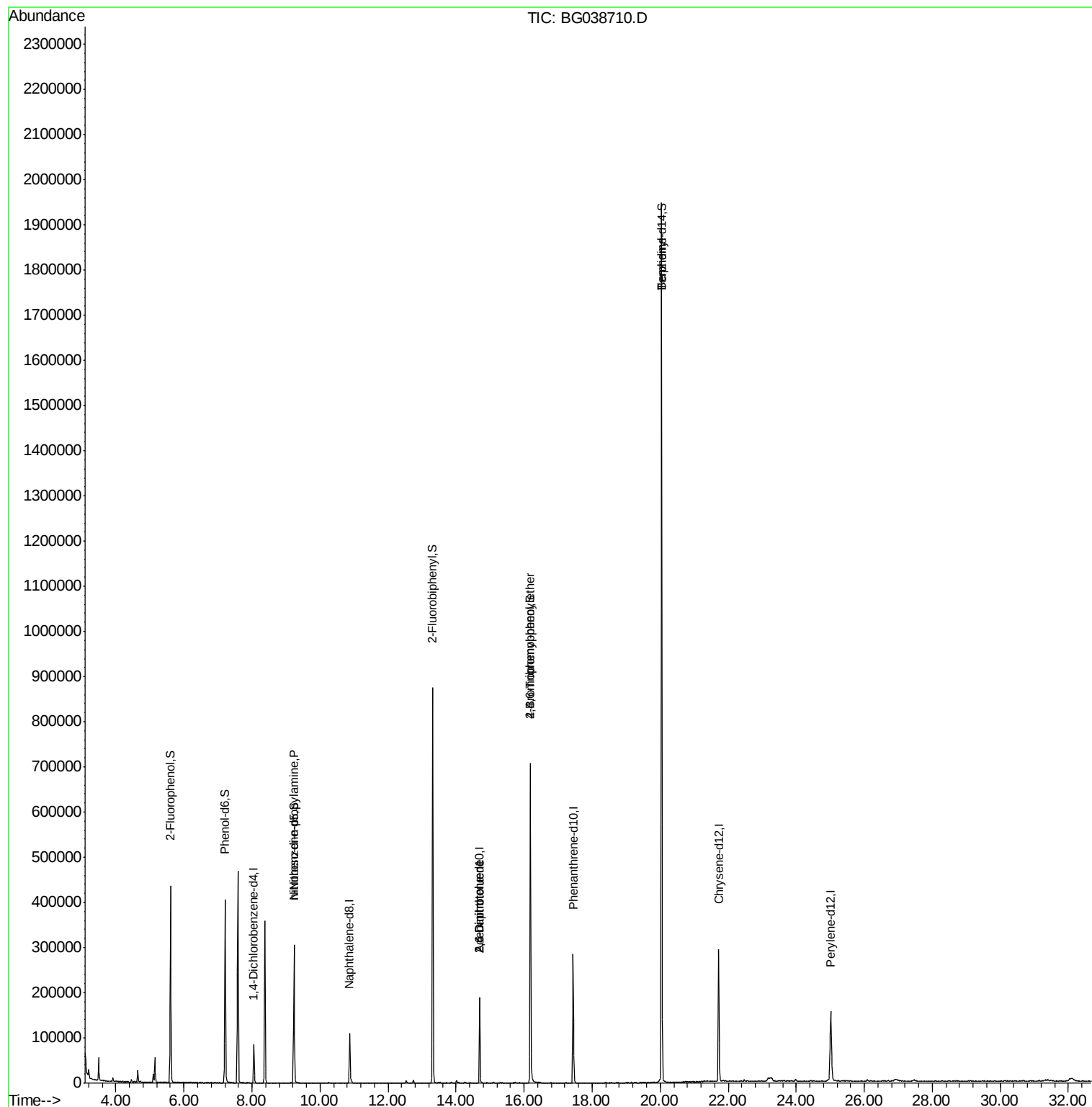
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	24380	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	100635	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	68524	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	184252	20.00	ng	0.00
76) Chrysene-d12	21.72	240	196807	20.00	ng	0.00
87) Perylene-d12	25.02	264	202180	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	184707	134.37	ng	0.00
7) Phenol-d6	7.21	99	232929	123.44	ng	0.00
23) Nitrobenzene-d5	9.23	82	182545	92.67	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	149993	158.83	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	468245	93.74	ng	0.00
79) Terphenyl-d14	20.05	244	966970	106.93	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	24700	18.637	ng	Qvalue # 69
51) 2,6-Dinitrotoluene	14.69	165	9139	7.207	ng	# 22
57) 2,4-Dinitrotoluene	14.69	165	9139	5.117	ng	# 24
67) 4-Bromophenyl-phenylether	16.18	248	9724	4.321	ng	# 1
77) Benzidine	20.05	184	16826	2.891	ng	# 93

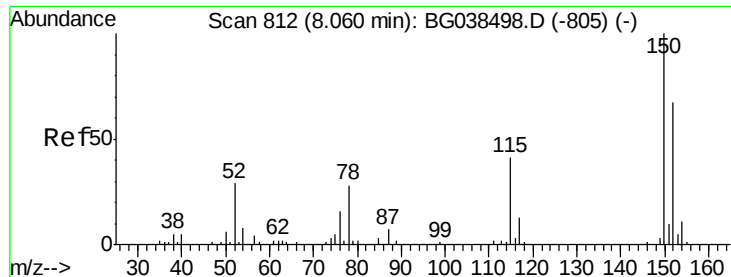
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_G
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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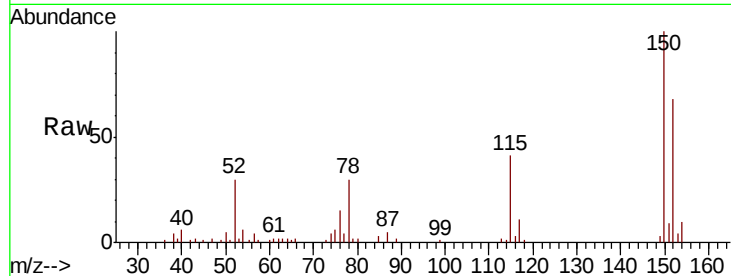


#1

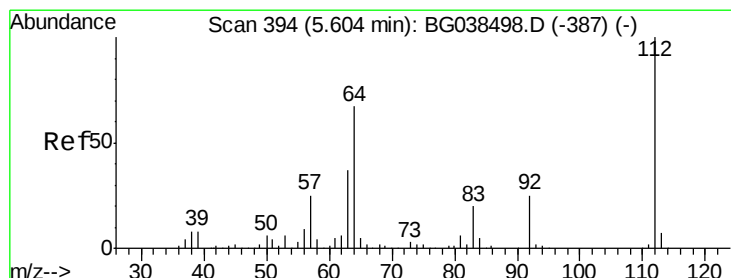
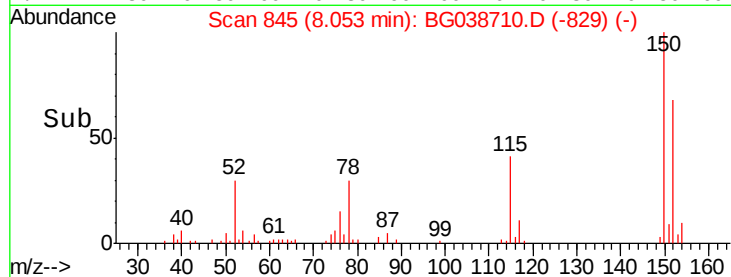
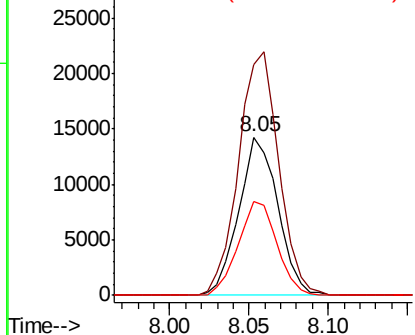
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG038710.D
Acq: 19 Dec 2018 2:36

Instrument :
BNA_G
ClientSampleId :
TP-6-B

Tgt Ion:152 Resp: 24380
Ion Ratio Lower Upper
152 100
150 146.1 119.5 179.3
115 59.5 49.6 74.4



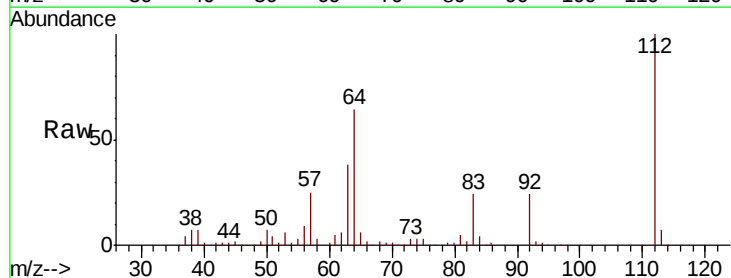
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



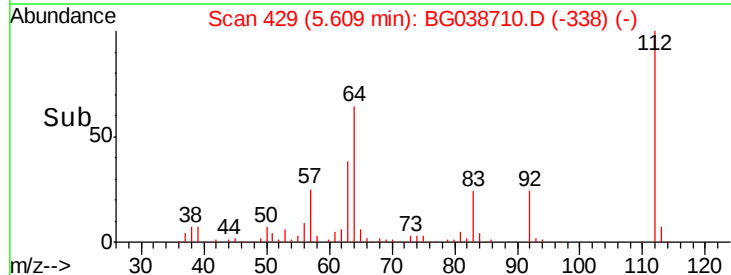
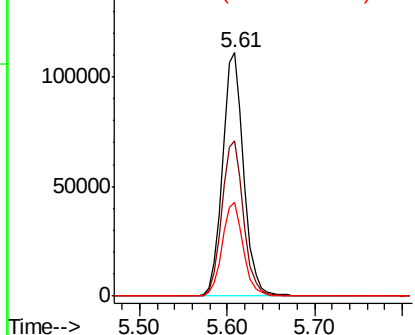
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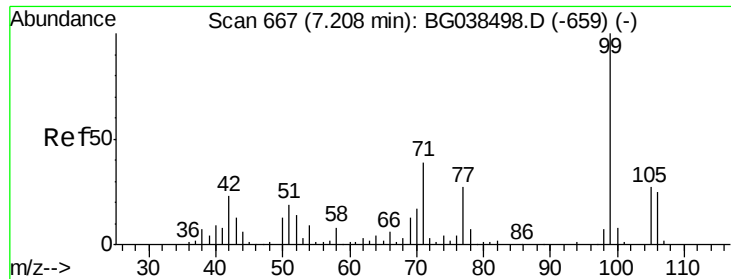
2-Fluorophenol
Concen: 134.375 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038710.D
Acq: 19 Dec 2018 2:36

Tgt Ion:112 Resp: 184707
Ion Ratio Lower Upper
112 100
64 63.8 53.4 80.2
63 38.4 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: 123.438 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038710.D

Acq: 19 Dec 2018 2:36

Instrument :

BNA_G

ClientSampleId :

TP-6-B

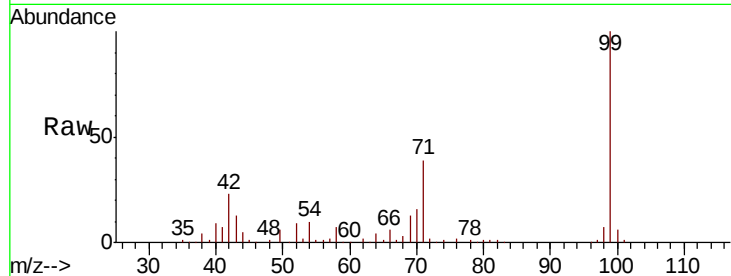
Tgt Ion: 99 Resp: 232929

Ion Ratio Lower Upper

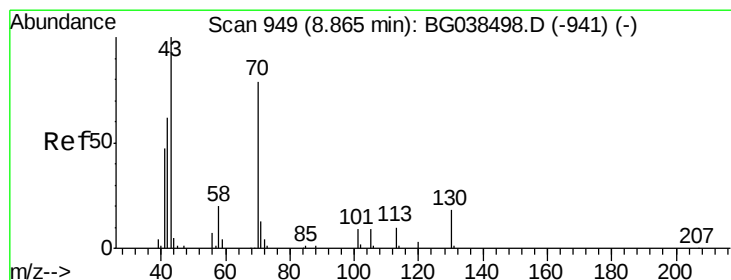
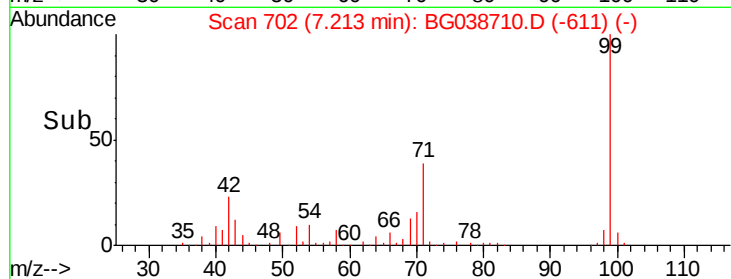
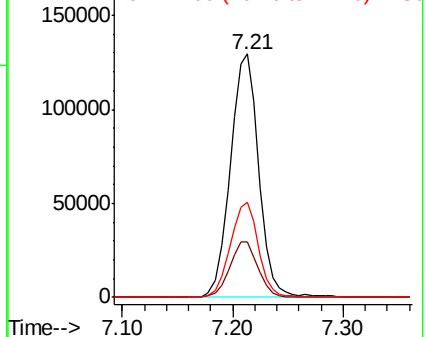
99 100

42 23.0 18.5 27.7

71 38.9 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: 18.637 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038710.D

Acq: 19 Dec 2018 2:36

Tgt Ion: 70 Resp: 24700

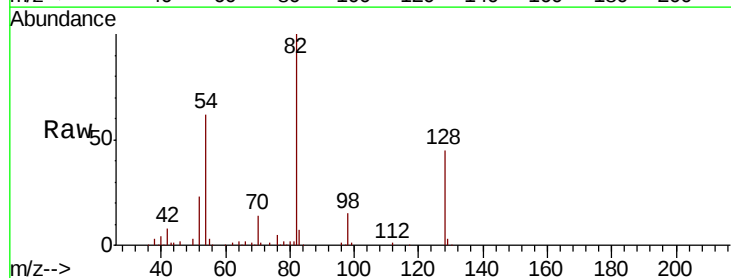
Ion Ratio Lower Upper

70 100

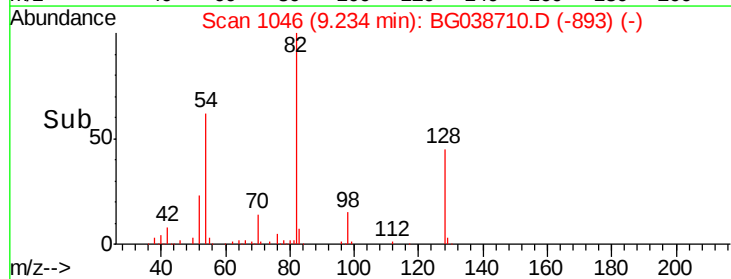
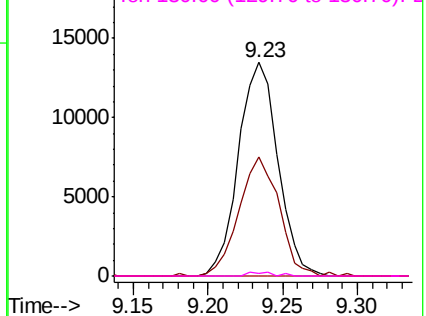
42 55.6 63.6 95.4#

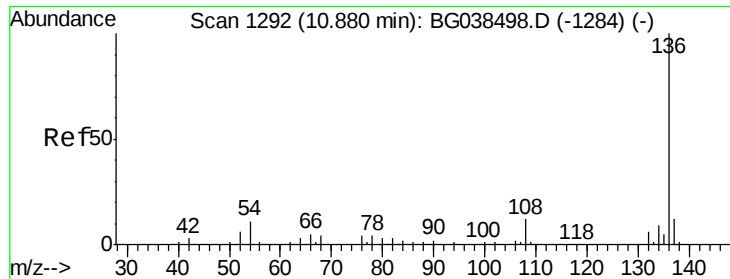
101 0.0 9.2 13.8#

130 1.3 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

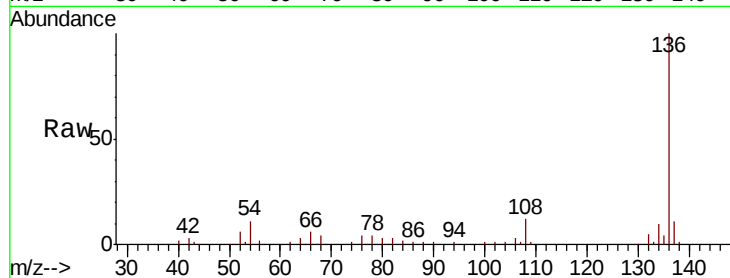




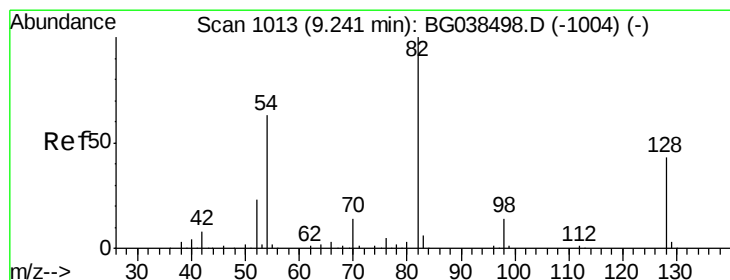
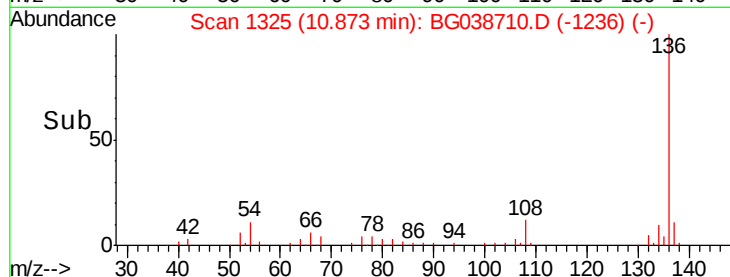
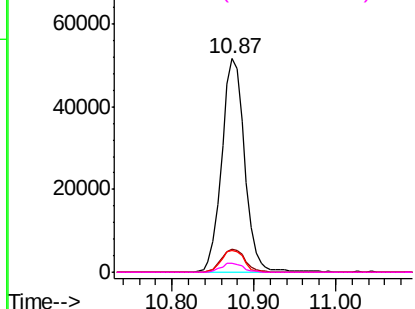
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038710.D
Acq: 19 Dec 2018 2:36

Instrument :
BNA_G
ClientSampleId :
TP-6-B

Tgt Ion:	136	Resp:	100635
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.3	13.9
54	10.5	8.5	12.7
68	4.4	3.5	5.3

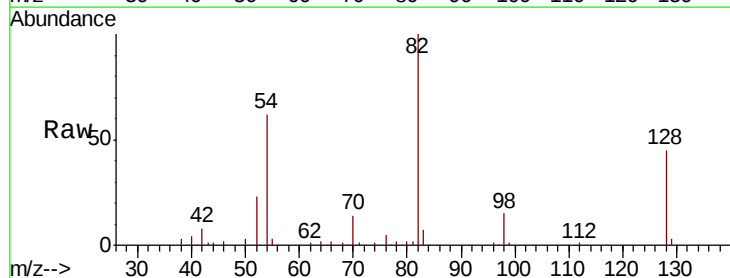


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

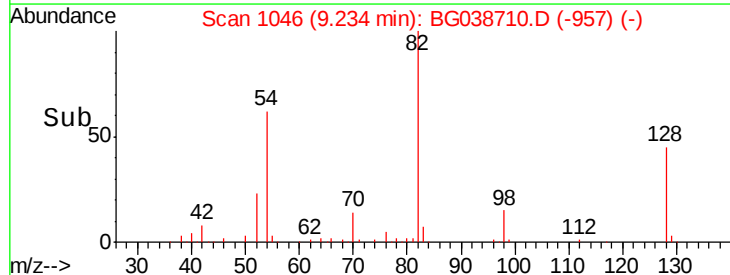
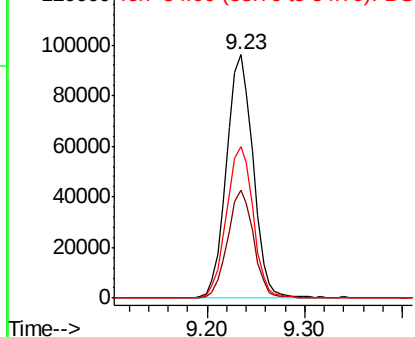


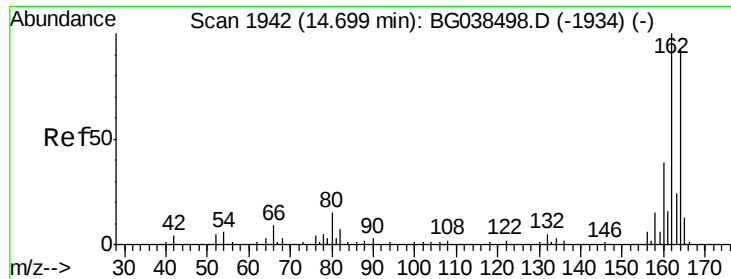
#23
Nitrobenzene-d5
Concen: 92.669 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038710.D
Acq: 19 Dec 2018 2:36

Tgt Ion:	82	Resp:	182545
Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.6	52.0
54	62.5	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: BG038710.D

Acq: 19 Dec 2018 2:36

Instrument :

BNA_G

ClientSampleId :

TP-6-B

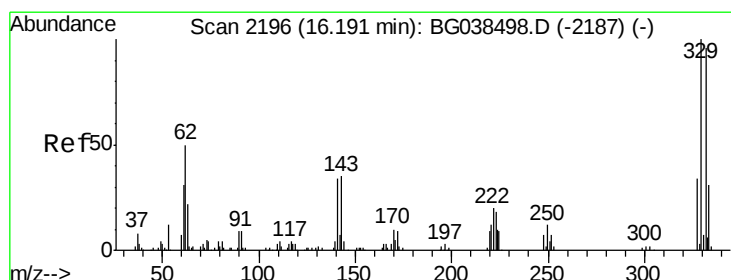
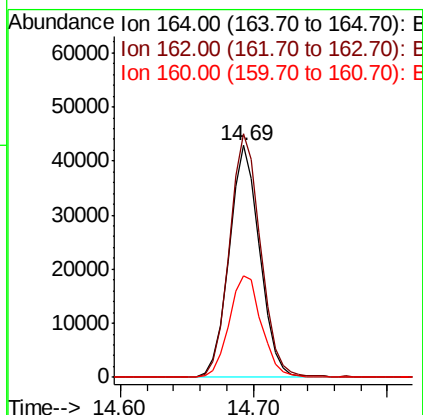
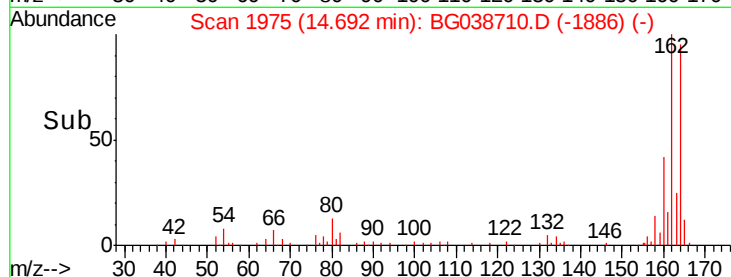
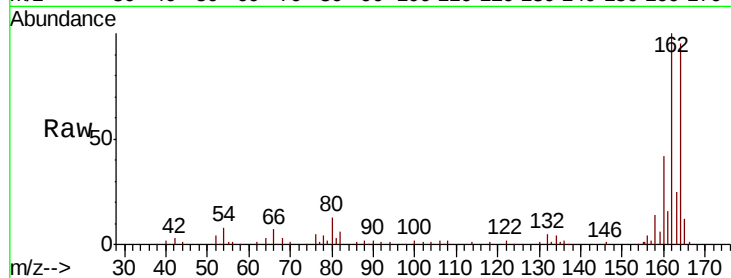
Tgt Ion:164 Resp: 68524

Ion Ratio Lower Upper

164 100

162 105.0 86.6 130.0

160 43.8 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 158.826 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038710.D

Acq: 19 Dec 2018 2:36

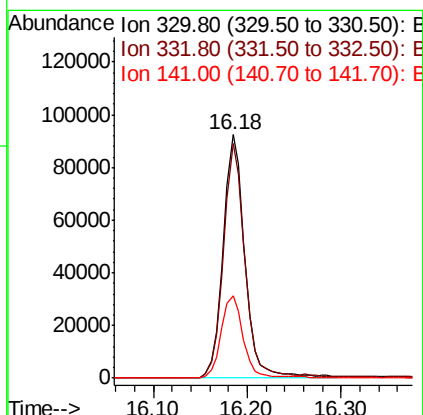
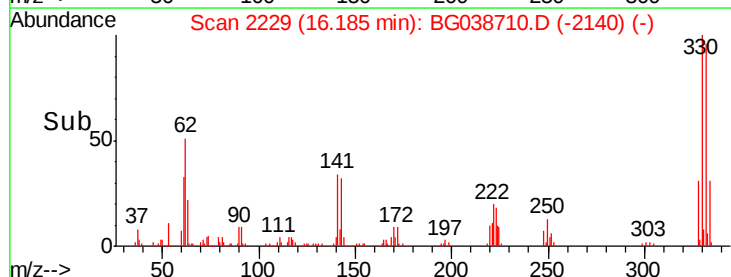
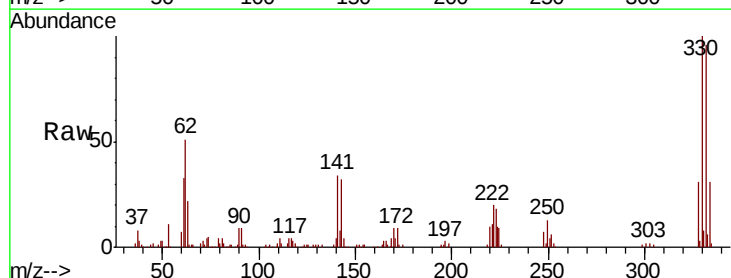
Tgt Ion:330 Resp: 149993

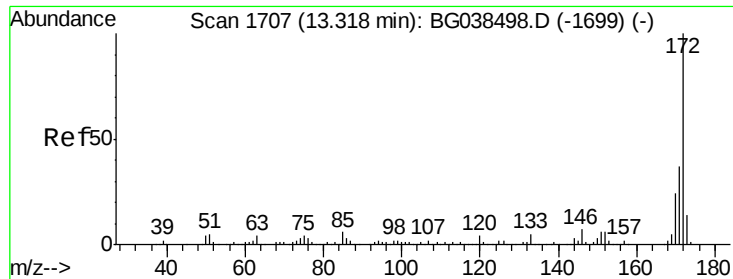
Ion Ratio Lower Upper

330 100

332 95.7 76.9 115.3

141 34.7 28.8 43.2

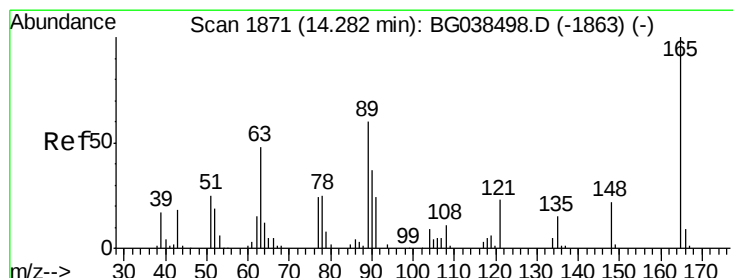
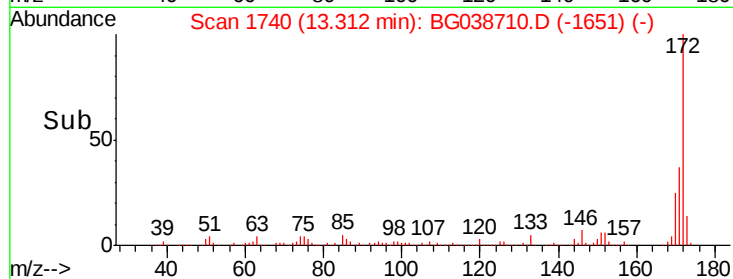
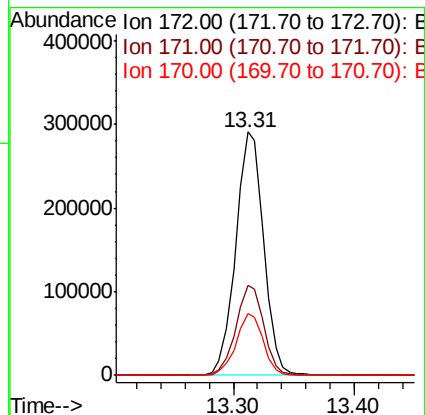
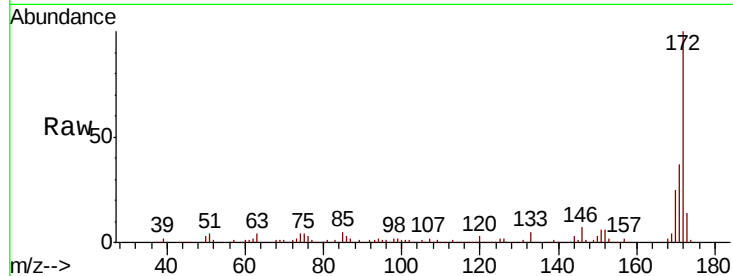




#45
 2-Fluorobiphenyl
 Concen: 93.743 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG038710.D
 Acq: 19 Dec 2018 2:36

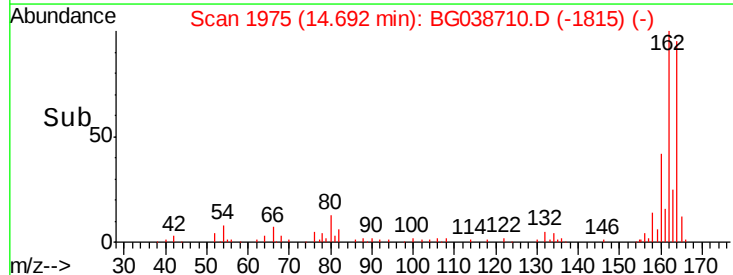
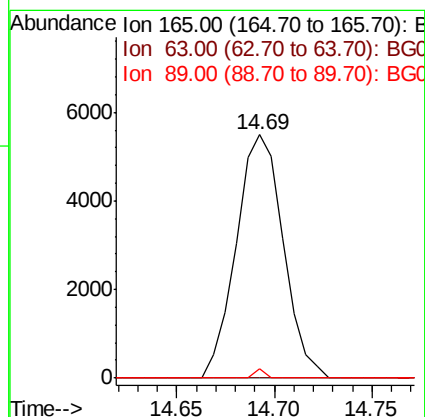
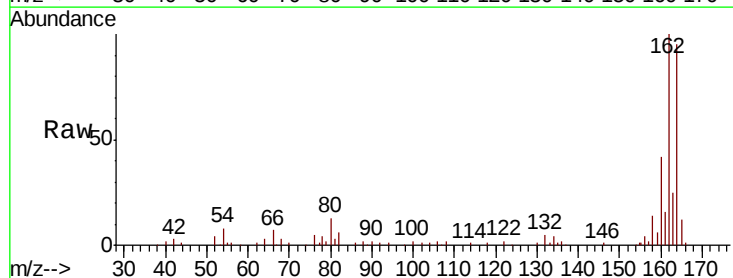
Instrument :
 BNA_G
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 TP-6-B

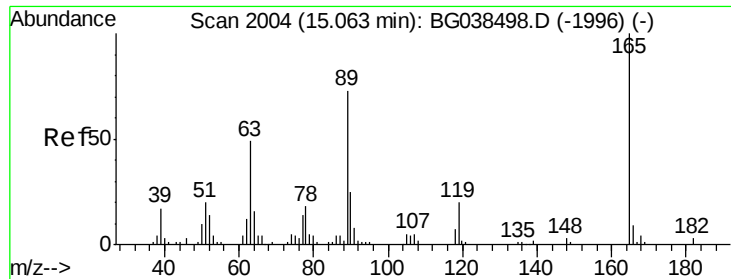
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.8	44.6
170	25.3	19.5	29.3



#51
 2,6-Dinitrotoluene
 Concen: 7.207 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038710.D
 Acq: 19 Dec 2018 2:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.6#
89	3.9	47.9	71.9#

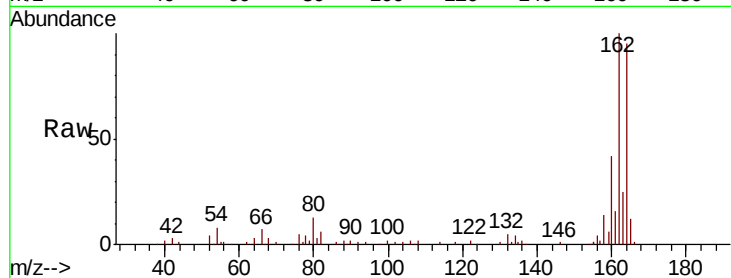




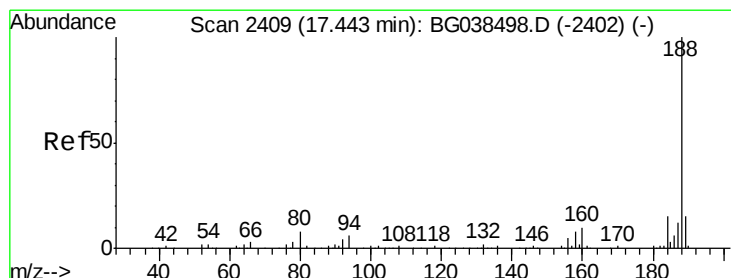
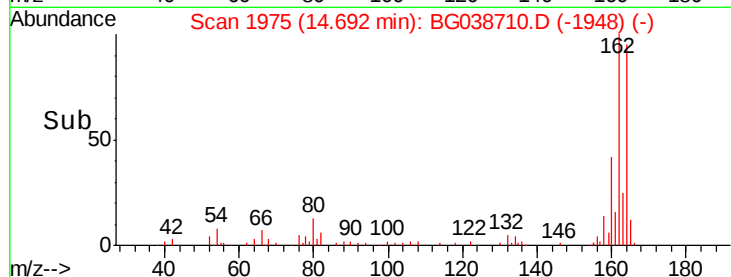
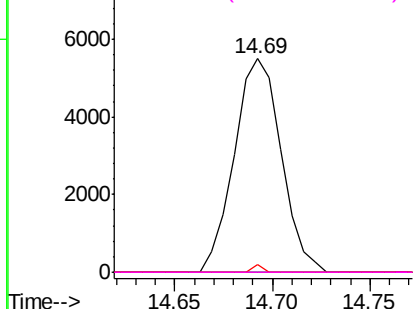
#57
2,4-Dinitrotoluene
Concen: 5.117 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.37 min
Lab File: BG038710.D
Acq: 19 Dec 2018 2:36

Instrument :
BNA_G
ClientSampleId :
TP-6-B

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	3.9	58.0	87.0#
182	0.0	2.3	3.5#

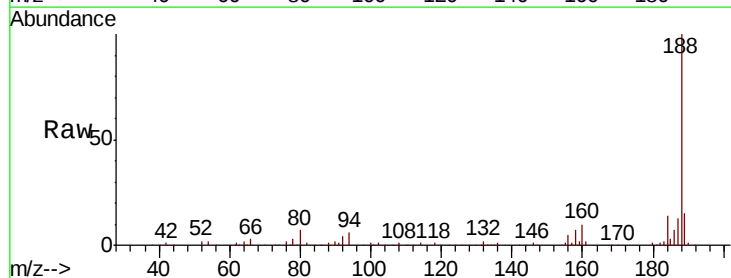


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

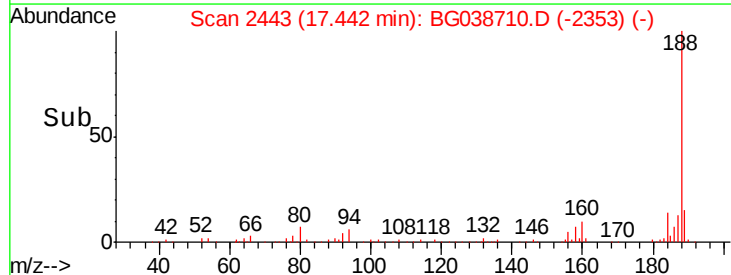
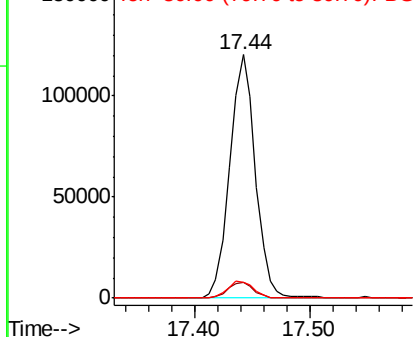


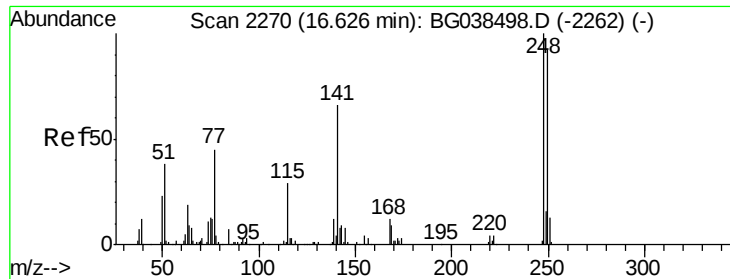
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG038710.D
Acq: 19 Dec 2018 2:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.3	5.1	7.7
80	6.6	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

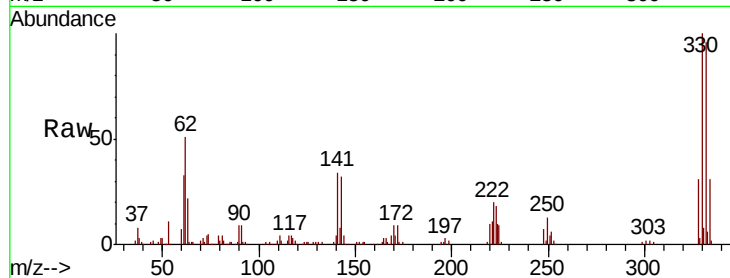




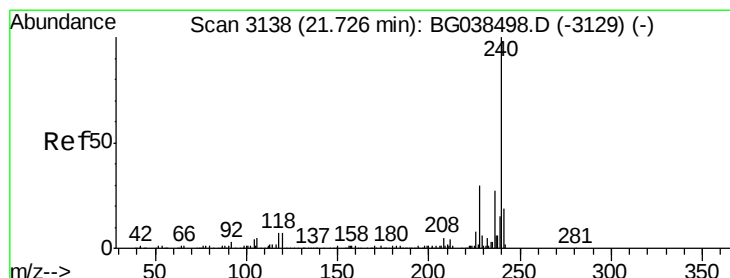
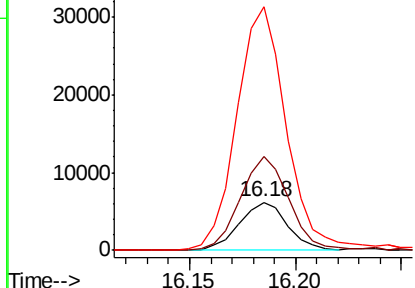
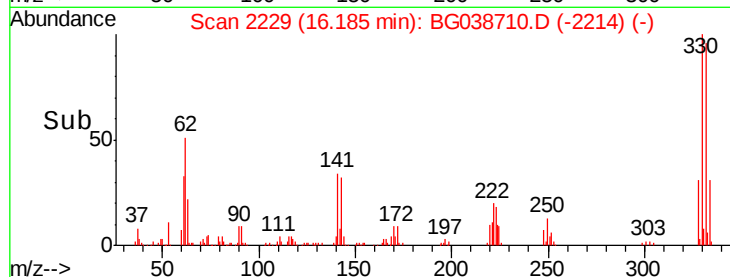
#67
 4-Bromophenyl-phenylether
 Concen: 4.321 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038710.D
 Acq: 19 Dec 2018 2:36

Instrument :
 BNA_G
 ClientSampleId :
 TP-6-B

Tgt Ion:248 Resp: 9724
 Ion Ratio Lower Upper
 248 100
 250 195.6 73.4 110.2#
 141 392.7 52.9 79.3#

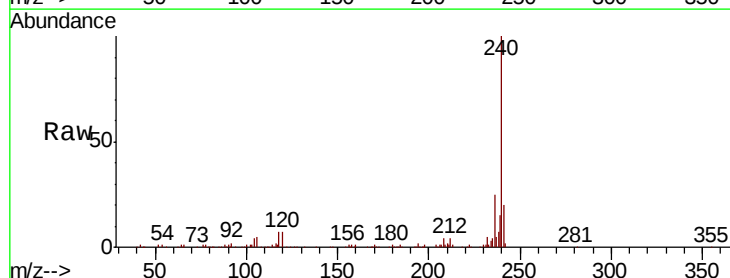


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

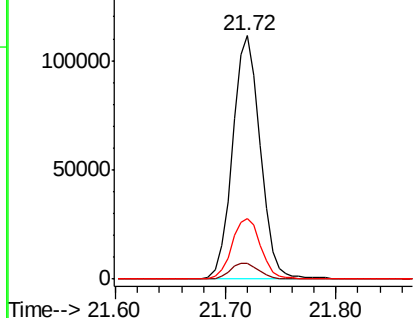
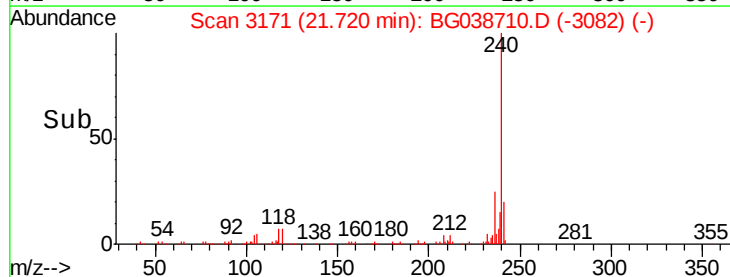


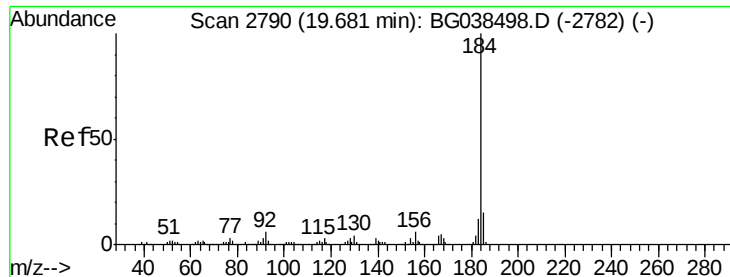
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. -0.01 min
 Lab File: BG038710.D
 Acq: 19 Dec 2018 2:36

Tgt Ion:240 Resp: 196807
 Ion Ratio Lower Upper
 240 100
 120 6.5 5.3 7.9
 236 24.9 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: 2.891 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038710.D

Acq: 19 Dec 2018 2:36

Instrument :

BNA_G

ClientSampleId :

TP-6-B

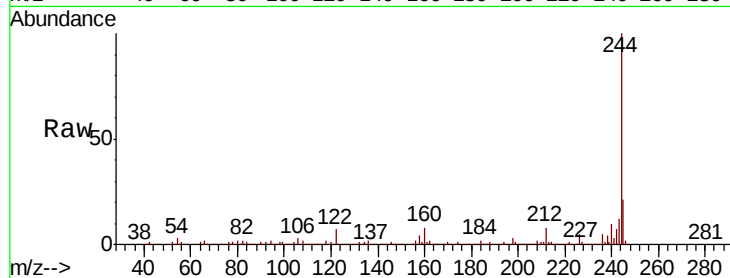
Tgt Ion:184 Resp: 16826

Ion Ratio Lower Upper

184 100

185 16.7 12.2 18.2

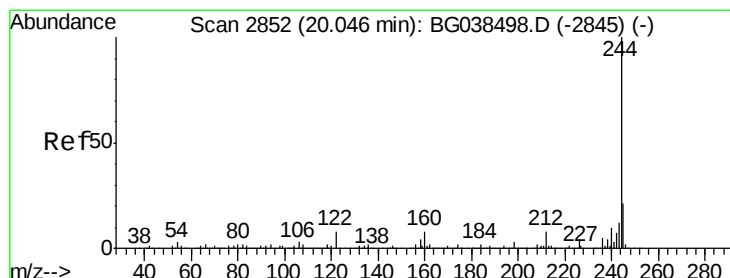
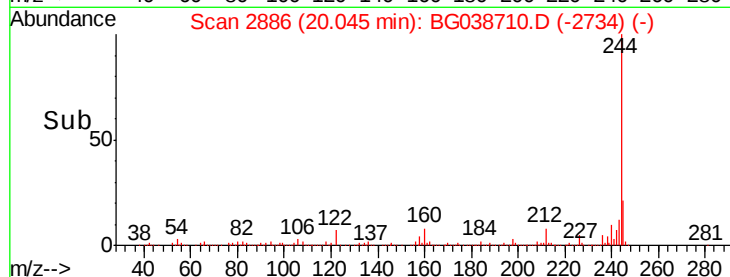
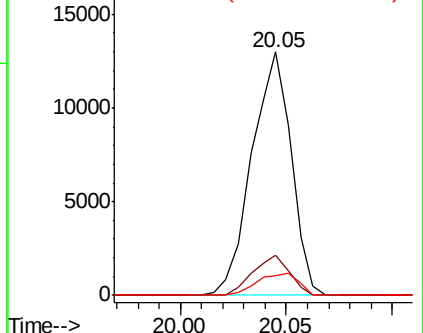
183 7.8 9.6 14.4#



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: 106.930 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG038710.D

Acq: 19 Dec 2018 2:36

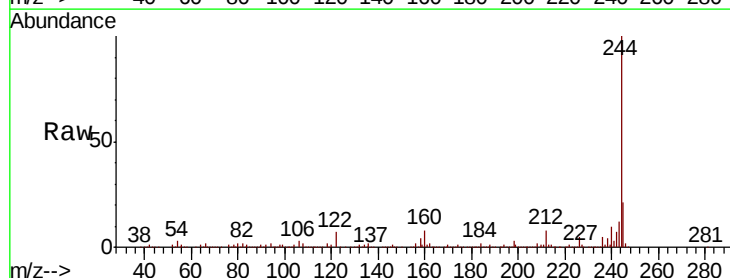
Tgt Ion:244 Resp: 966970

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

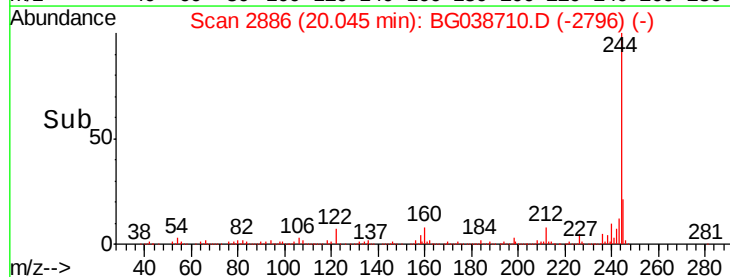
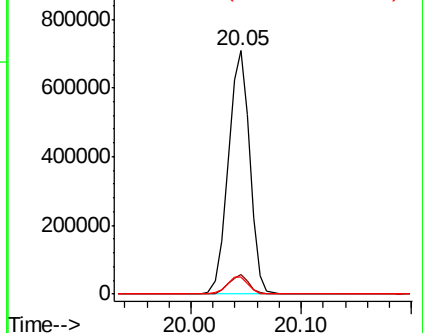
122 7.2 6.3 9.5

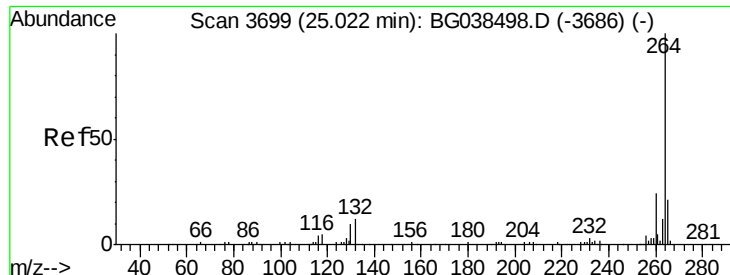


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.02 min Scan# 3732
Delta R.T. -0.01 min
Lab File: BG038710.D
Acq: 19 Dec 2018 2:36

Instrument :
BNA_G
ClientSampleId :
TP-6-B

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.0	18.9	28.3
265	21.5	17.0	25.4

