

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121918\
 Data File : BG038751.D
 Acq On : 20 Dec 2018 6:57
 Operator : JU/SJ
 Sample : J6425-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-20181214

Quant Time: Dec 20 07:47:02 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

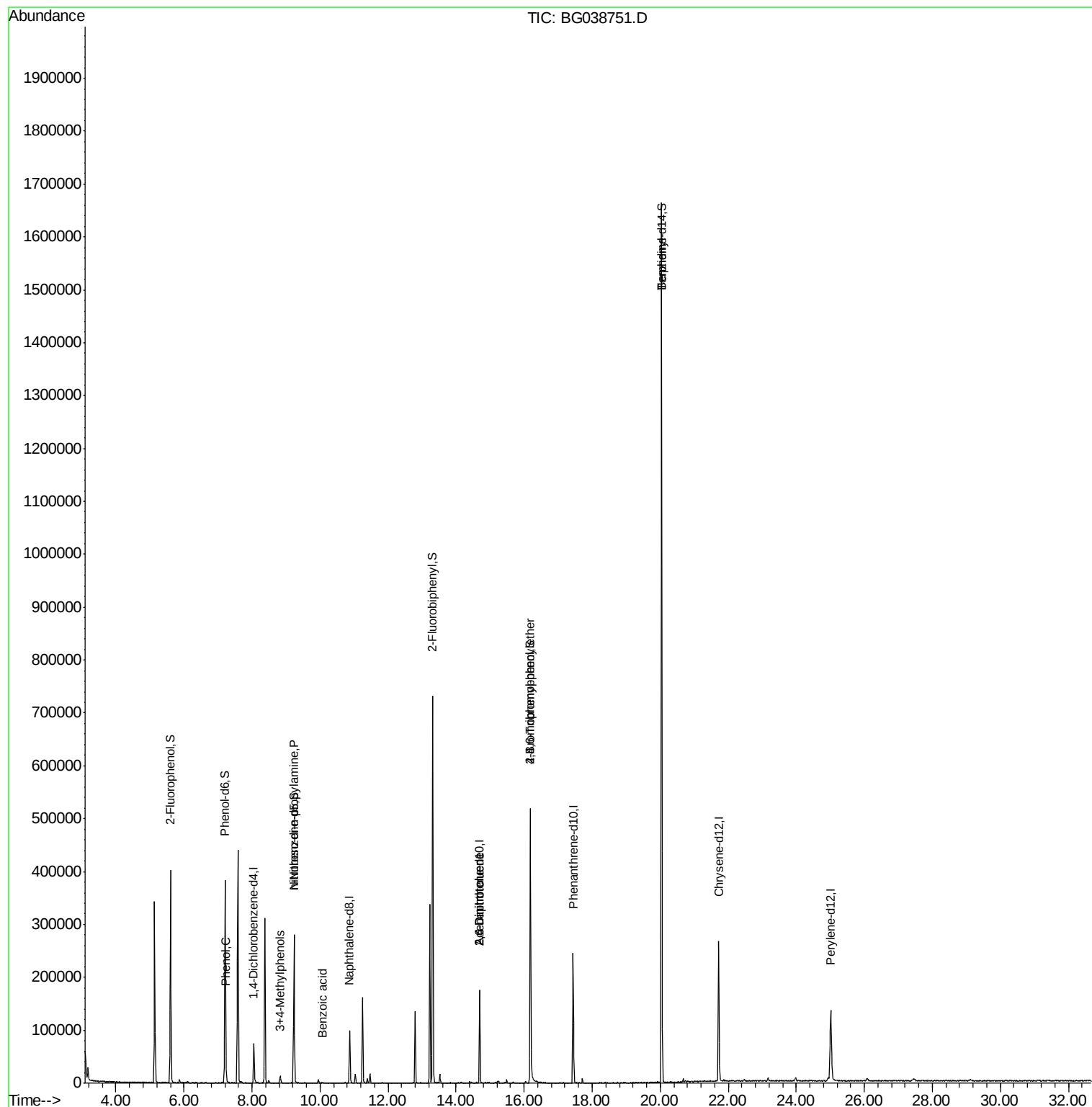
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	22348	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	90559	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	62058	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	163252	20.00	ng	0.00
76) Chrysene-d12	21.72	240	174083	20.00	ng	0.00
87) Perylene-d12	25.01	264	178611	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	173844	137.97	ng	0.00
7) Phenol-d6	7.21	99	219008	126.61	ng	0.00
23) Nitrobenzene-d5	9.23	82	165123	93.15	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	117198	137.03	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	406871	89.94	ng	0.00
79) Terphenyl-d14	20.04	244	857567	107.21	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.24	94	7897	4.297	ng	85
19) n-Nitroso-di-n-propylamine	9.23	70	22551	18.562	ng	# 65
20) 3+4-Methylphenols	8.82	107	7196	4.232	ng	93
32) Benzoic acid	10.08	122	237	10.388	ng	# 1
51) 2,6-Dinitrotoluene	14.69	165	8129	7.078	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	8129	5.025	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	7465	3.744	ng	# 1
77) Benzidine	20.04	184	14752	2.865	ng	# 96

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

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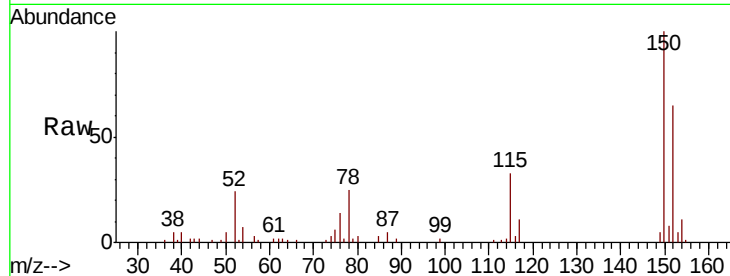


#1

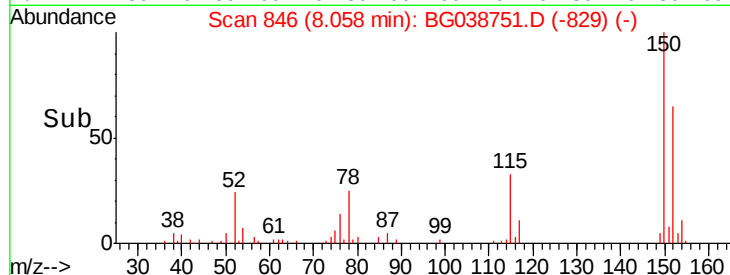
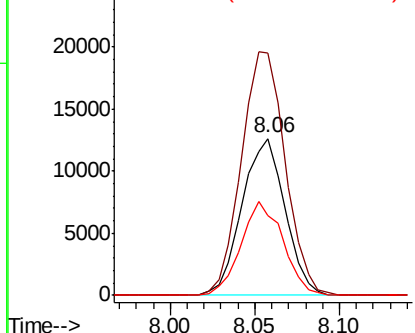
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038751.D
Acq: 20 Dec 2018 6:57

Instrument :
BNA_G
ClientSampleId :
WC-20181214

Tgt Ion:152 Resp: 22348
Ion Ratio Lower Upper
152 100
150 154.0 119.5 179.3
115 50.7 49.6 74.4



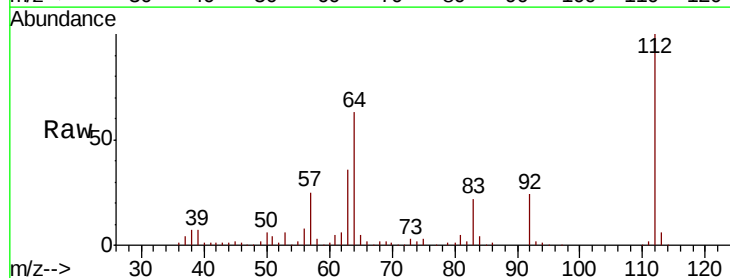
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



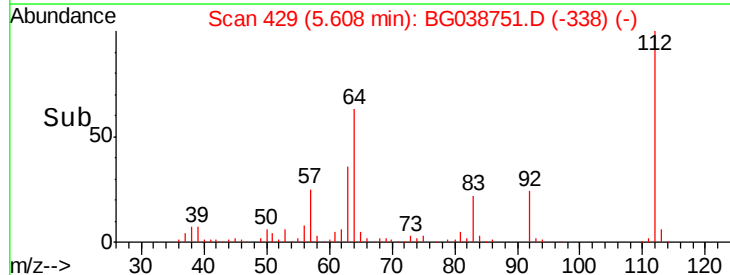
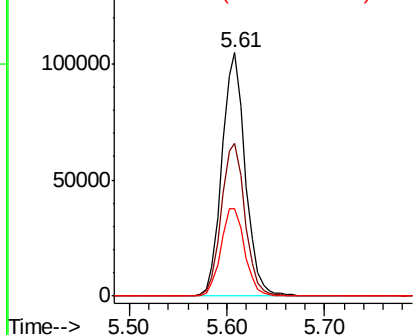
#5

2-Fluorophenol
Concen: 137.972 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.00 min
Lab File: BG038751.D
Acq: 20 Dec 2018 6:57

Tgt Ion:112 Resp: 173844
Ion Ratio Lower Upper
112 100
64 62.6 53.4 80.2
63 35.8 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: 126.614 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038751.D

Acq: 20 Dec 2018 6:57

Instrument :

BNA_G

ClientSampleId :

WC-20181214

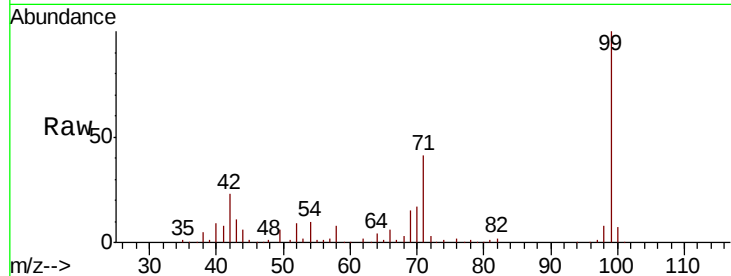
Tgt Ion: 99 Resp: 219008

Ion Ratio Lower Upper

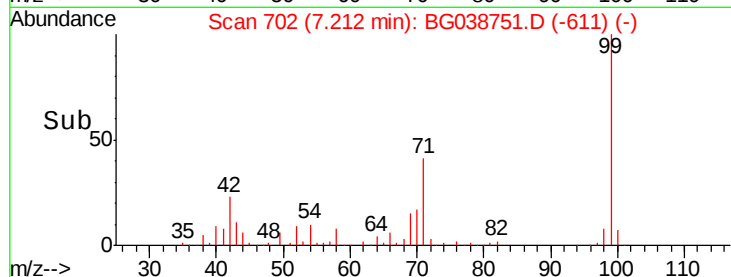
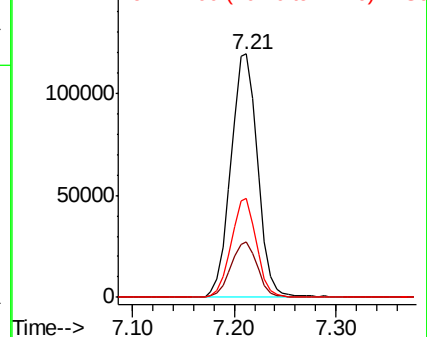
99 100

42 22.8 18.5 27.7

71 40.6 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: 4.297 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.00 min

Lab File: BG038751.D

Acq: 20 Dec 2018 6:57

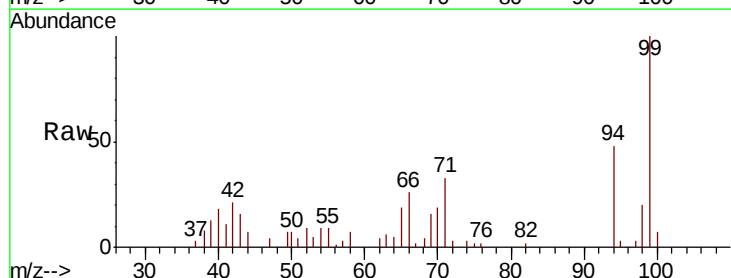
Tgt Ion: 94 Resp: 7897

Ion Ratio Lower Upper

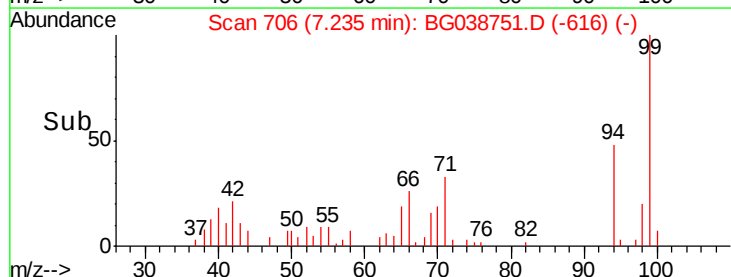
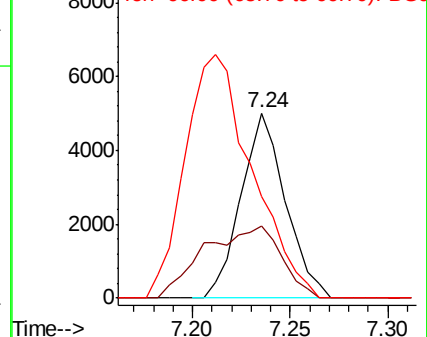
94 100

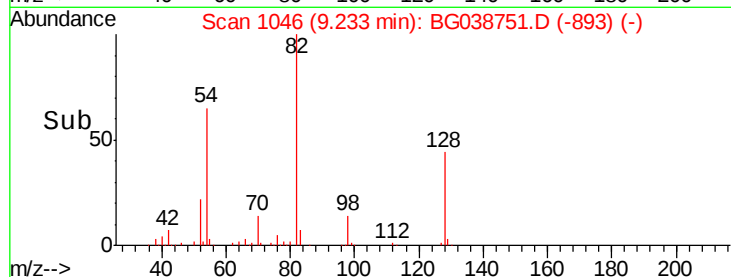
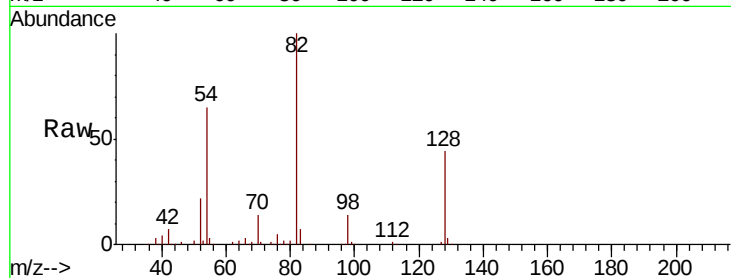
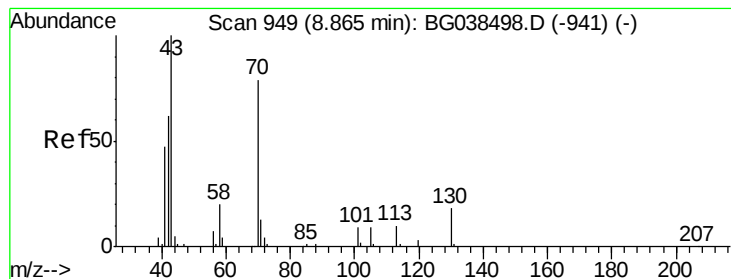
65 38.9 12.6 52.6

66 55.1 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: 18.562 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038751.D

Acq: 20 Dec 2018 6:57

Instrument :

BNA_G

ClientSampleId :

WC-20181214

Tgt Ion: 70 Resp: 22551

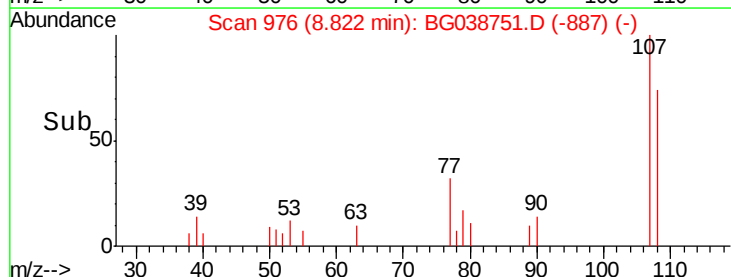
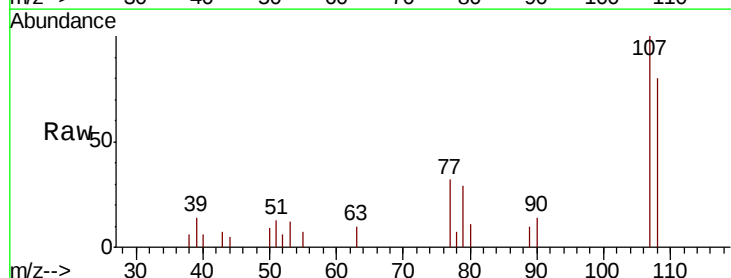
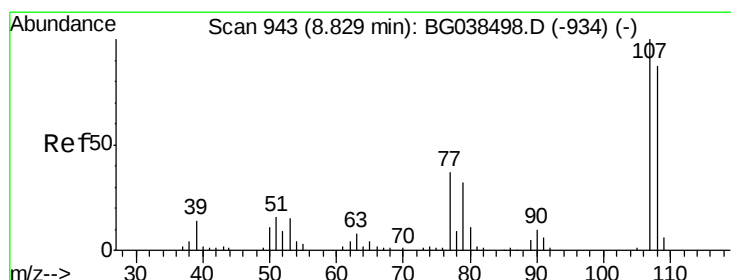
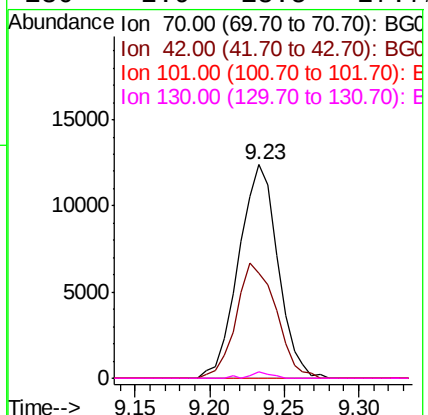
Ion Ratio Lower Upper

70 100

42 49.2 63.6 95.4#

101 0.0 9.2 13.8#

130 2.9 18.5 27.7#



#20

3+4-Methylphenols

Concen: 4.232 ng

RT: 8.82 min Scan# 976

Delta R.T. -0.01 min

Lab File: BG038751.D

Acq: 20 Dec 2018 6:57

Tgt Ion: 107 Resp: 7196

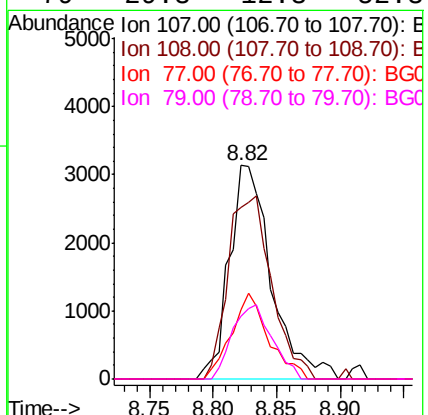
Ion Ratio Lower Upper

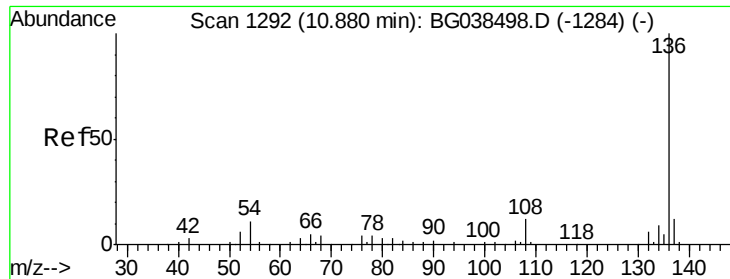
107 100

108 80.2 66.7 106.7

77 32.2 17.3 57.3

79 29.3 12.3 52.3

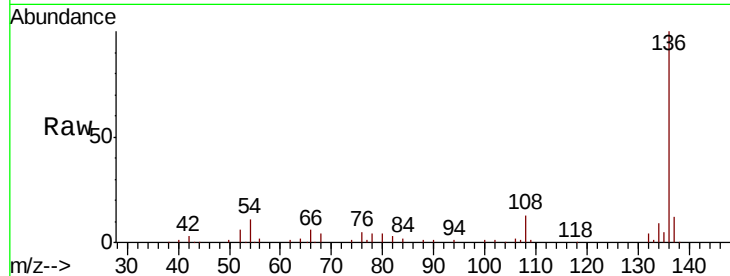




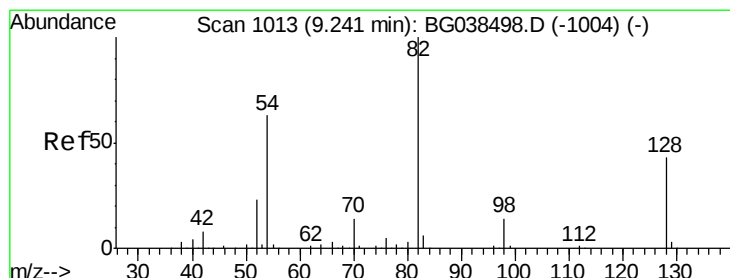
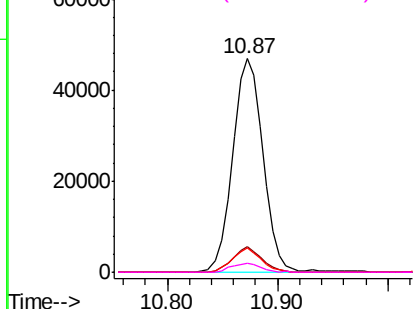
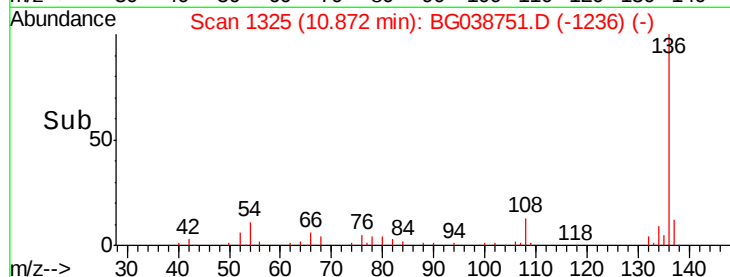
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038751.D
Acq: 20 Dec 2018 6:57

Instrument :
BNA_G
ClientSampleId :
WC-20181214

Tgt Ion:	136	Resp:	90559
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.3	13.9
54	11.2	8.5	12.7
68	4.1	3.5	5.3

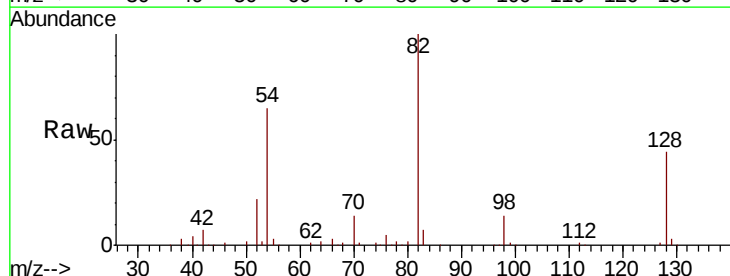


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

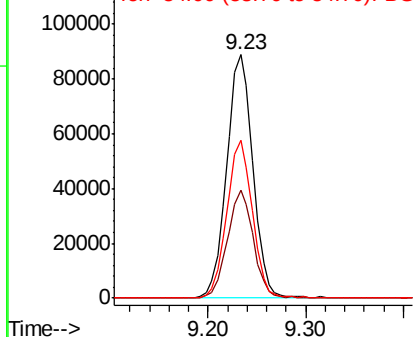
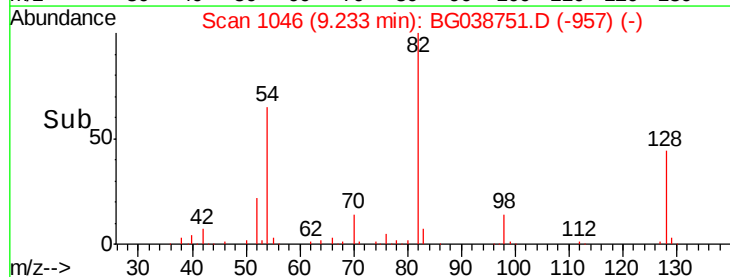


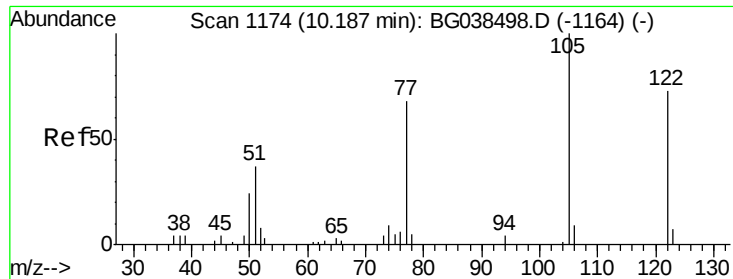
#23
Nitrobenzene-d5
Concen: 93.151 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038751.D
Acq: 20 Dec 2018 6:57

Tgt Ion:	82	Resp:	165123
Ion	Ratio	Lower	Upper
82	100		
128	44.3	34.6	52.0
54	64.9	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





#32

Benzoic acid

Concen: 10.388 ng

RT: 10.08 min Scan# 1190

Delta R.T. -0.11 min

Lab File: BG038751.D

Acq: 20 Dec 2018 6:57

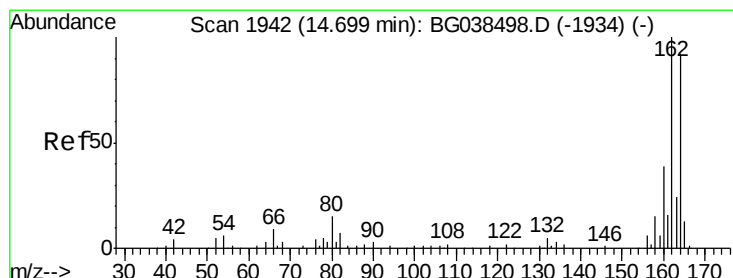
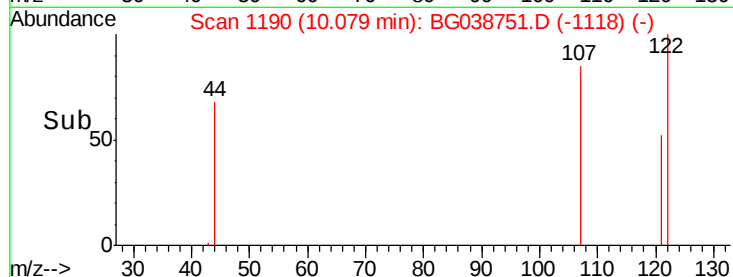
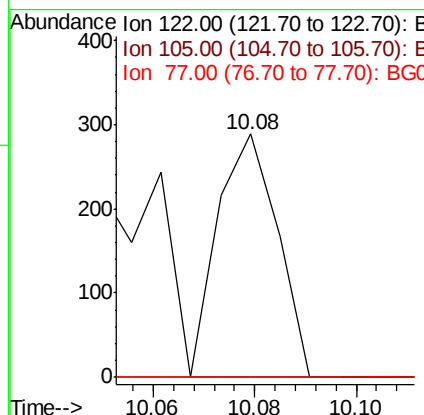
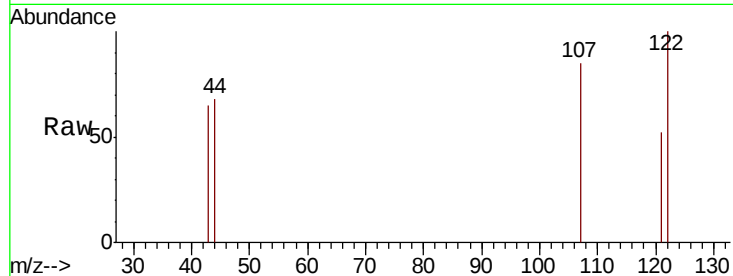
Instrument :

BNA_G

ClientSampleId :

WC-20181214

Tgt Ion:	122	Resp:	237
Ion Ratio	Lower	Upper	
122	100		
105	0.0	116.7	156.7#
77	0.0	72.5	112.5#



#39

Acenaphthene-d10

Concen: 20.000 ng

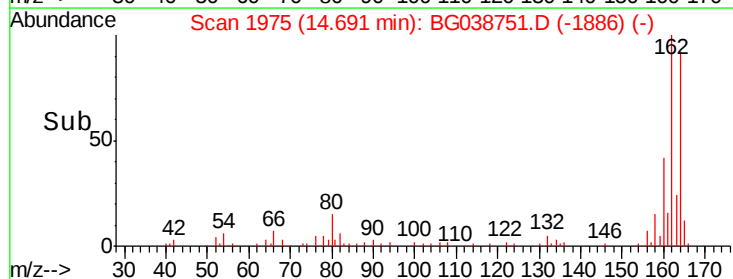
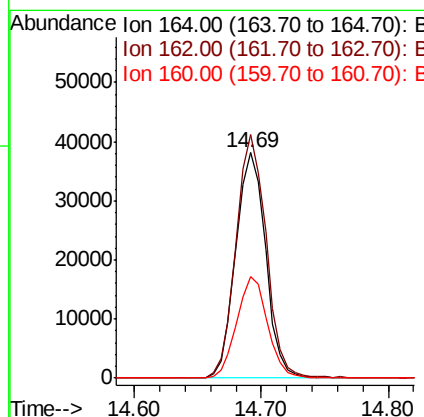
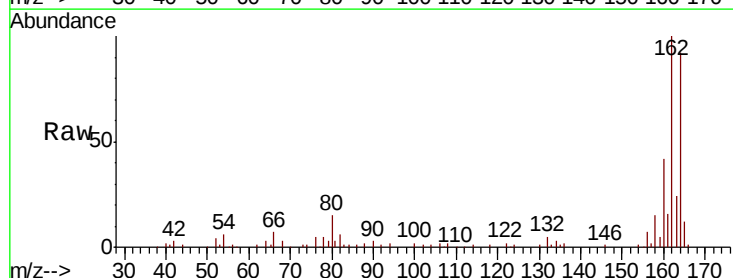
RT: 14.69 min Scan# 1975

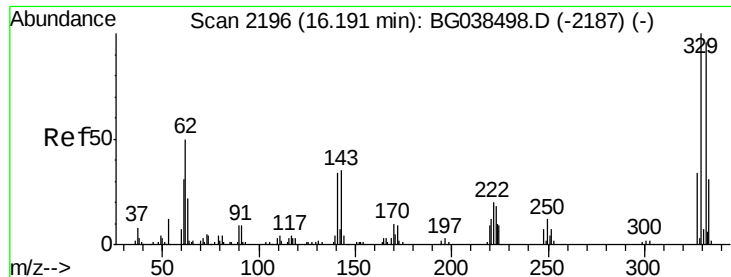
Delta R.T. -0.01 min

Lab File: BG038751.D

Acq: 20 Dec 2018 6:57

Tgt Ion:	164	Resp:	62058
Ion Ratio	Lower	Upper	
164	100		
162	108.2	86.6	130.0
160	44.9	34.2	51.2

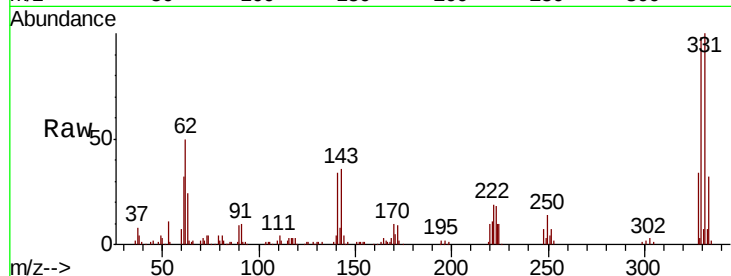




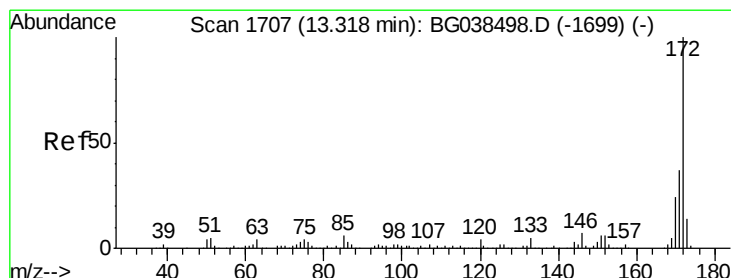
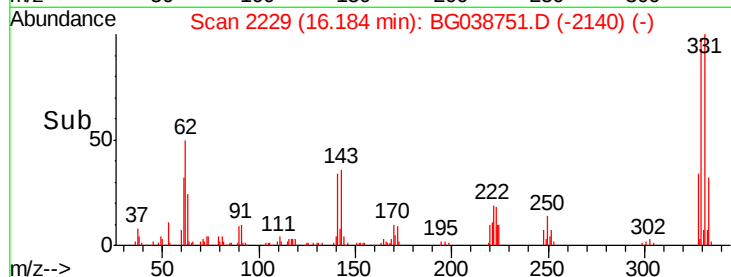
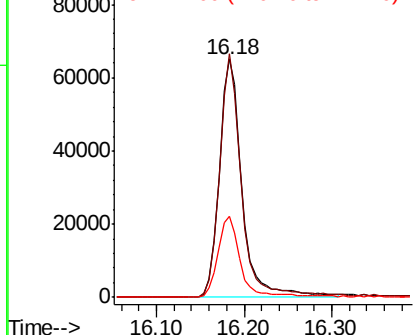
#42
 2,4,6-Tribromophenol
 Concen: 137.030 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.01 min
 Lab File: BG038751.D
 Acq: 20 Dec 2018 6:57

Instrument :
 BNA_G
 ClientSampleId :
 WC-20181214

Tgt Ion:330 Resp: 117198
 Ion Ratio Lower Upper
 330 100
 332 98.9 76.9 115.3
 141 33.8 28.8 43.2

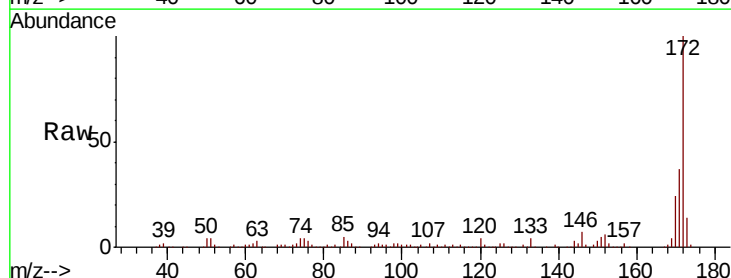


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

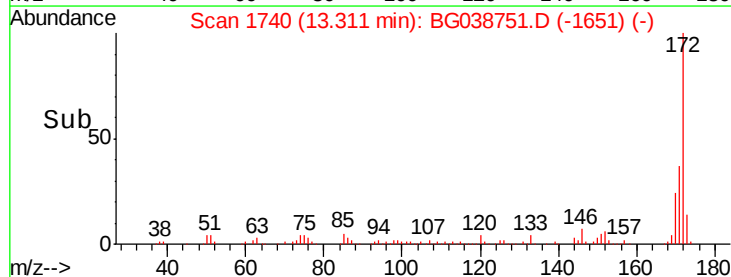
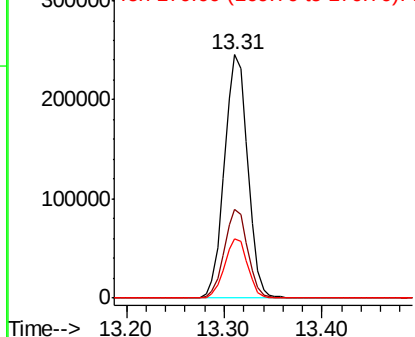


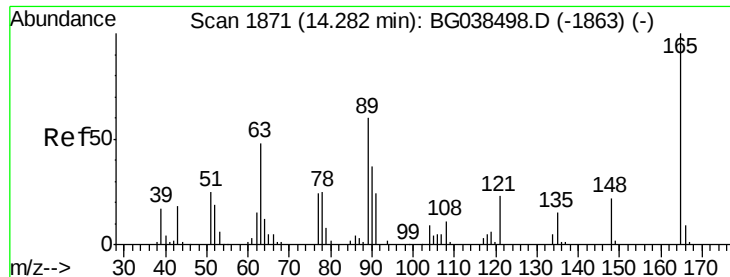
#45
 2-Fluorobiphenyl
 Concen: 89.943 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG038751.D
 Acq: 20 Dec 2018 6:57

Tgt Ion:172 Resp: 406871
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.8 44.6
 170 24.1 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

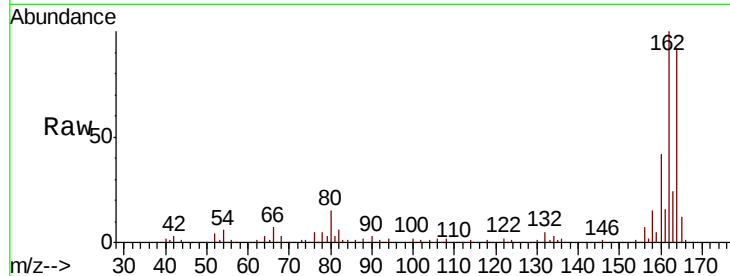




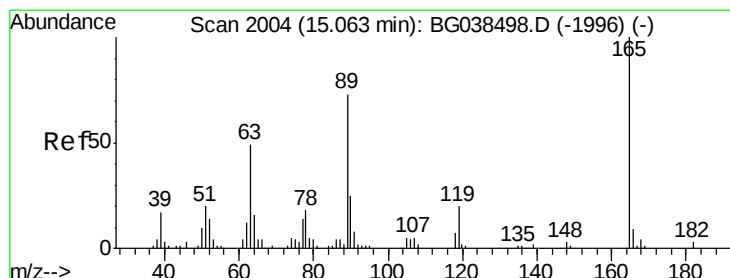
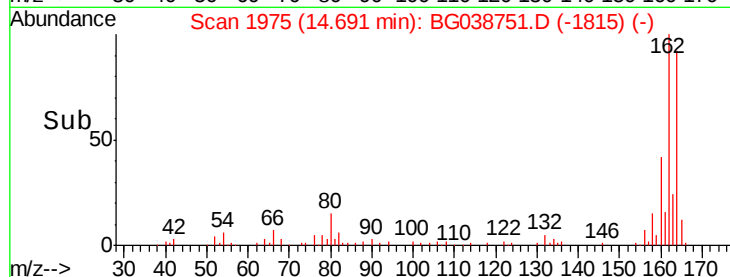
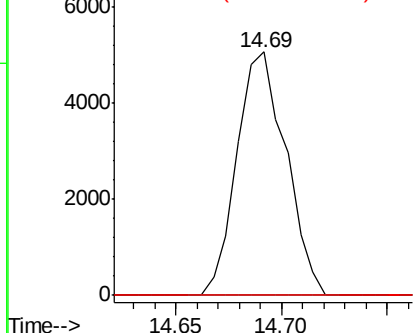
#51
 2,6-Dinitrotoluene
 Concen: 7.078 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038751.D
 Acq: 20 Dec 2018 6:57

Instrument :
 BNA_G
 ClientSampleId :
 WC-20181214

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



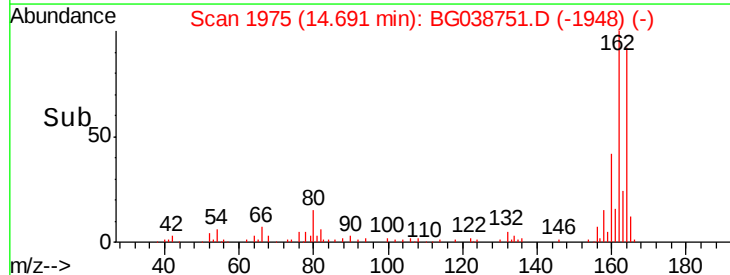
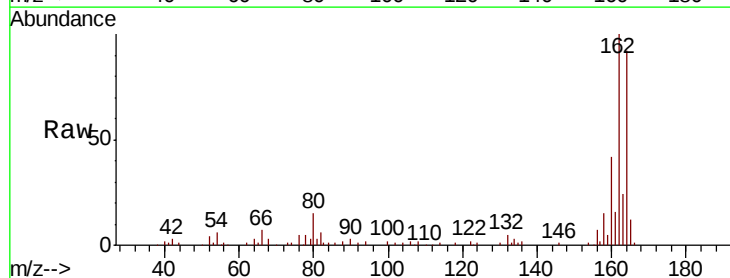
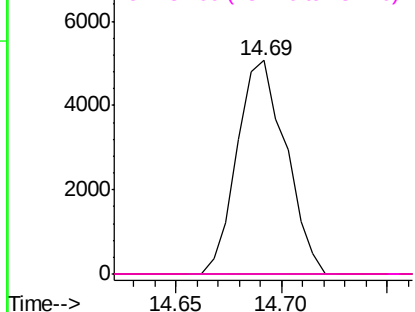
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

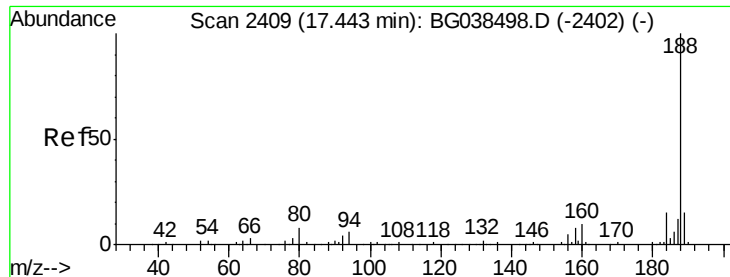


#57
 2,4-Dinitrotoluene
 Concen: 5.025 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038751.D
 Acq: 20 Dec 2018 6:57

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

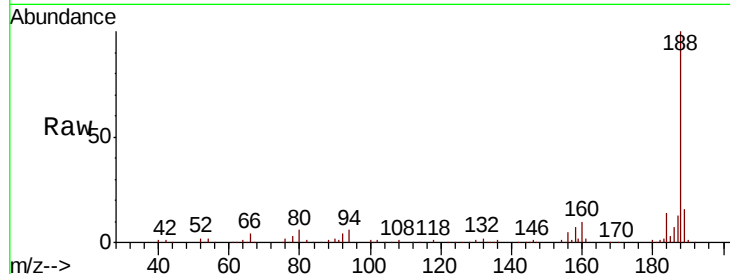




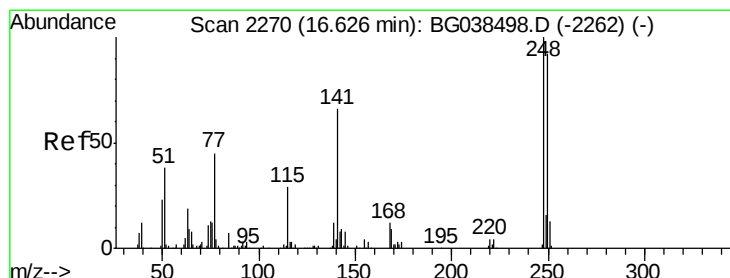
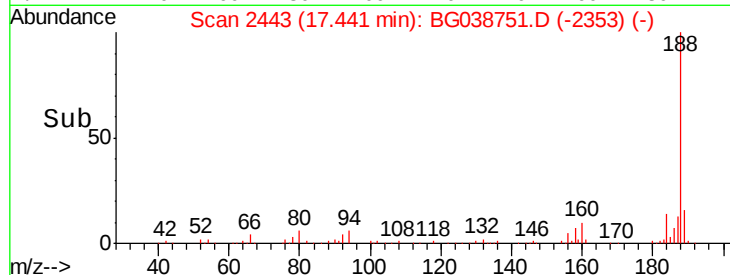
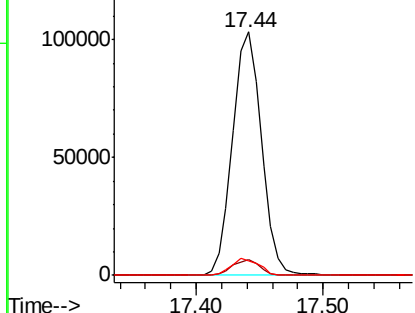
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG038751.D
Acq: 20 Dec 2018 6:57

Instrument :
BNA_G
ClientSampled :
WC-20181214

Tgt Ion:188 Resp: 163252
Ion Ratio Lower Upper
188 100
94 6.3 5.1 7.7
80 6.2 6.1 9.1

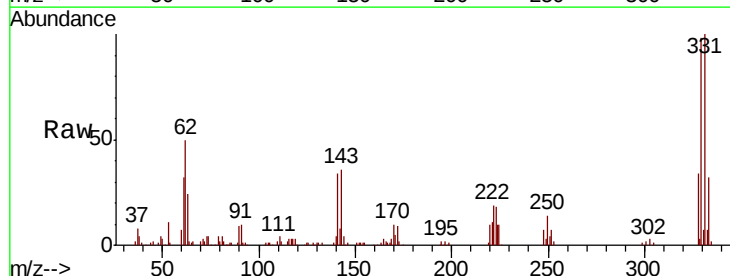


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGO
Ion 80.00 (79.70 to 80.70): BGO

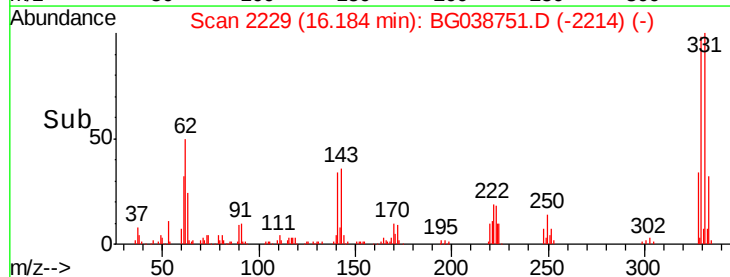
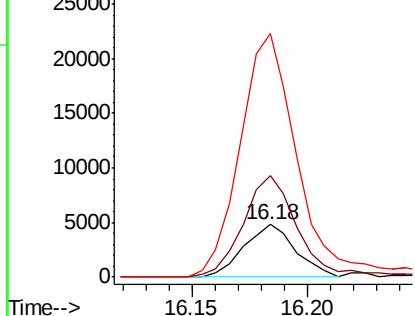


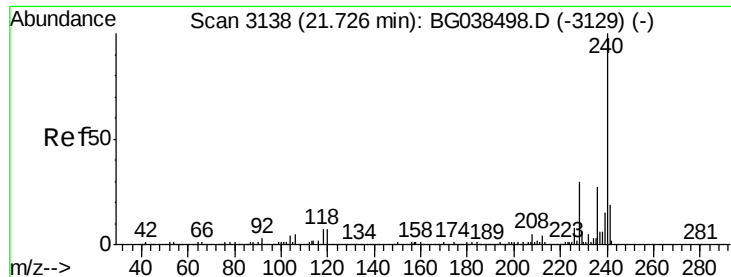
#67
4-Bromophenyl-phenylether
Concen: 3.744 ng
RT: 16.18 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038751.D
Acq: 20 Dec 2018 6:57

Tgt Ion:248 Resp: 7465
Ion Ratio Lower Upper
248 100
250 180.6 73.4 110.2#
141 340.3 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: BG038751.D

Acq: 20 Dec 2018 6:57

Instrument :

BNA_G

ClientSampleId :

WC-20181214

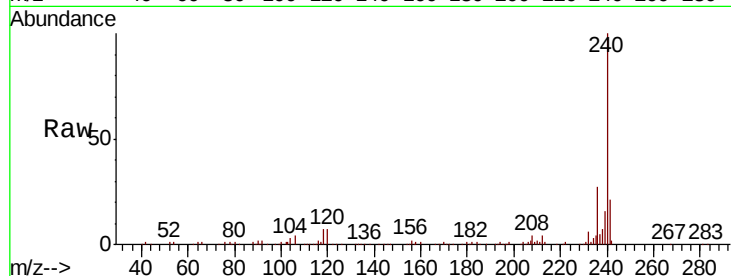
Tgt Ion:240 Resp: 174083

Ion Ratio Lower Upper

240 100

120 6.6 5.3 7.9

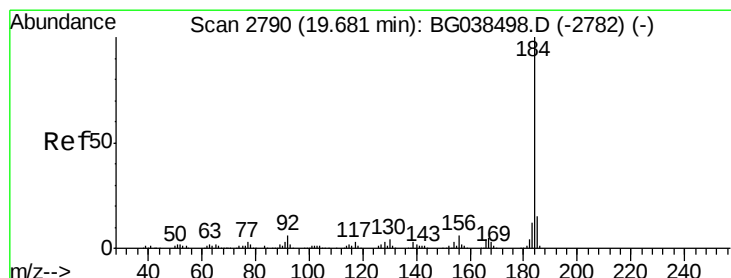
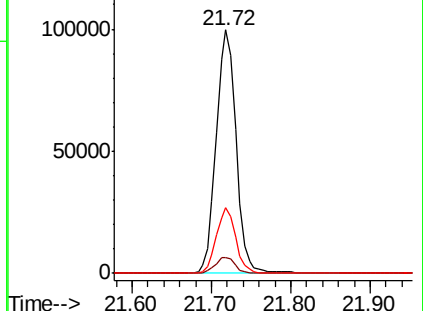
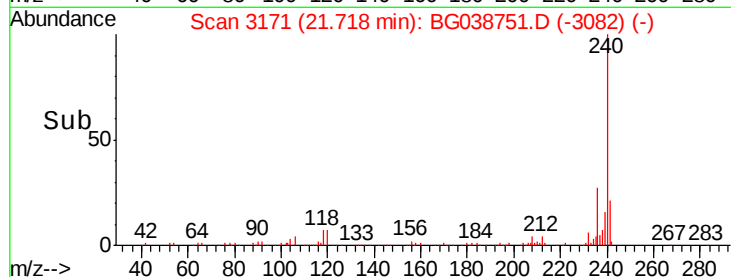
236 26.8 21.4 32.2



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: 2.865 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038751.D

Acq: 20 Dec 2018 6:57

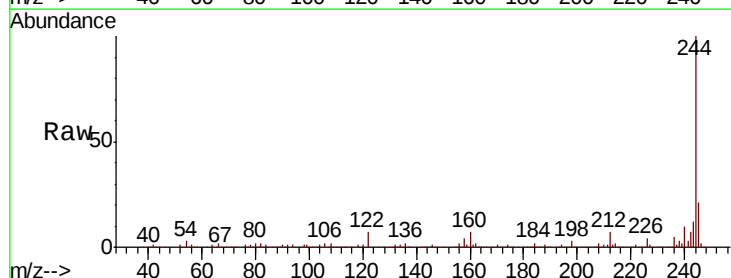
Tgt Ion:184 Resp: 14752

Ion Ratio Lower Upper

184 100

185 16.1 12.2 18.2

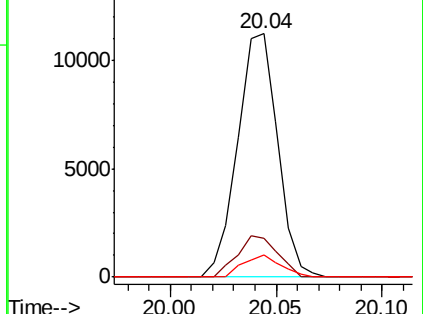
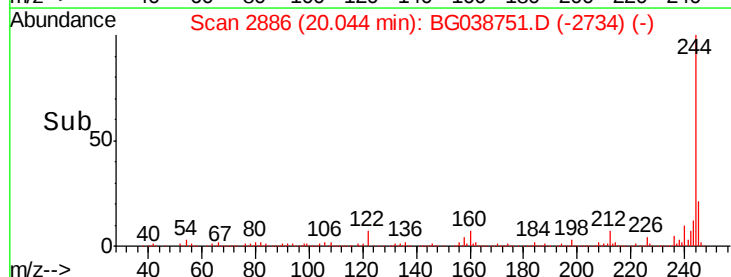
183 9.2 9.6 14.4#

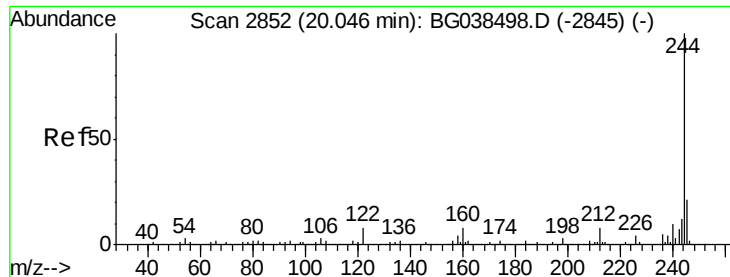


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 107.210 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038751.D

Acq: 20 Dec 2018 6:57

Instrument :

BNA_G

ClientSampleId :

WC-20181214

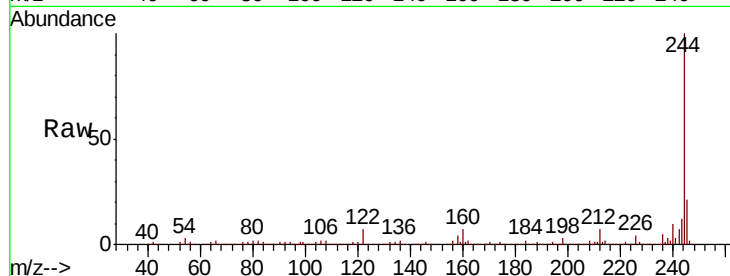
Tgt Ion:244 Resp: 857567

Ion Ratio Lower Upper

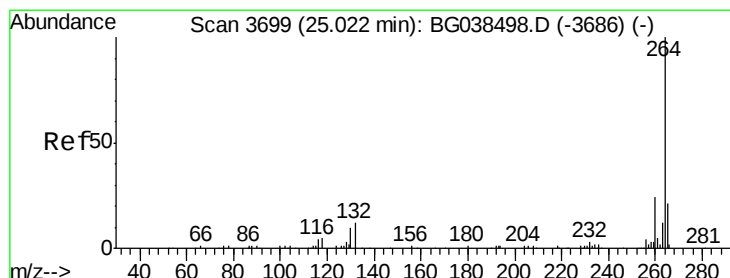
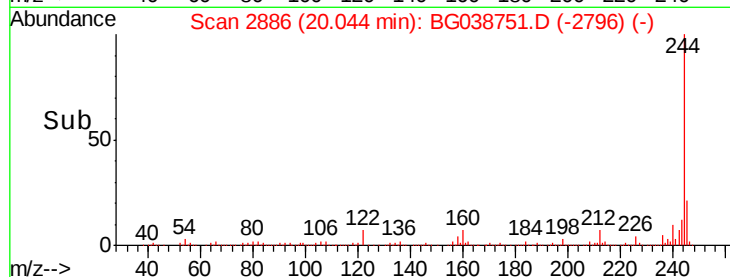
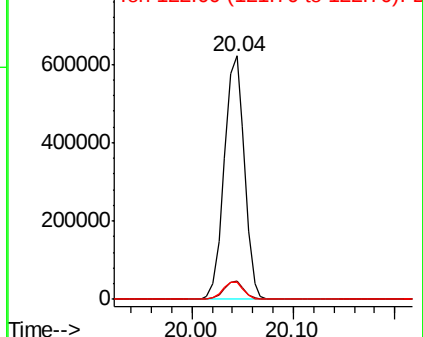
244 100

212 7.4 6.2 9.2

122 6.9 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

Perylene-d12

Concen: 20.000 ng

RT: 25.01 min Scan# 3732

Delta R.T. -0.01 min

Lab File: BG038751.D

Acq: 20 Dec 2018 6:57

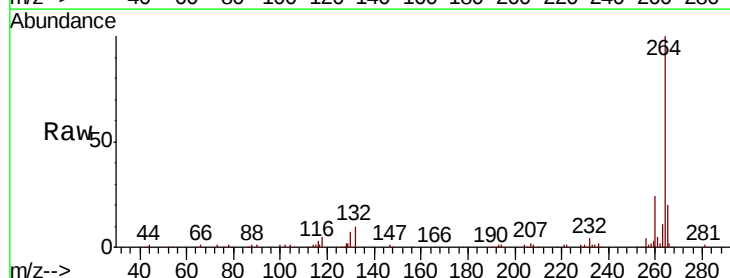
Tgt Ion:264 Resp: 178611

Ion Ratio Lower Upper

264 100

260 24.3 18.9 28.3

265 20.2 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

