

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG113018\
 Data File : BG038255.D
 Acq On : 30 Nov 2018 13:25
 Operator : JU/SJ
 Sample : J6083-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-2

Quant Time: Nov 30 14:07:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

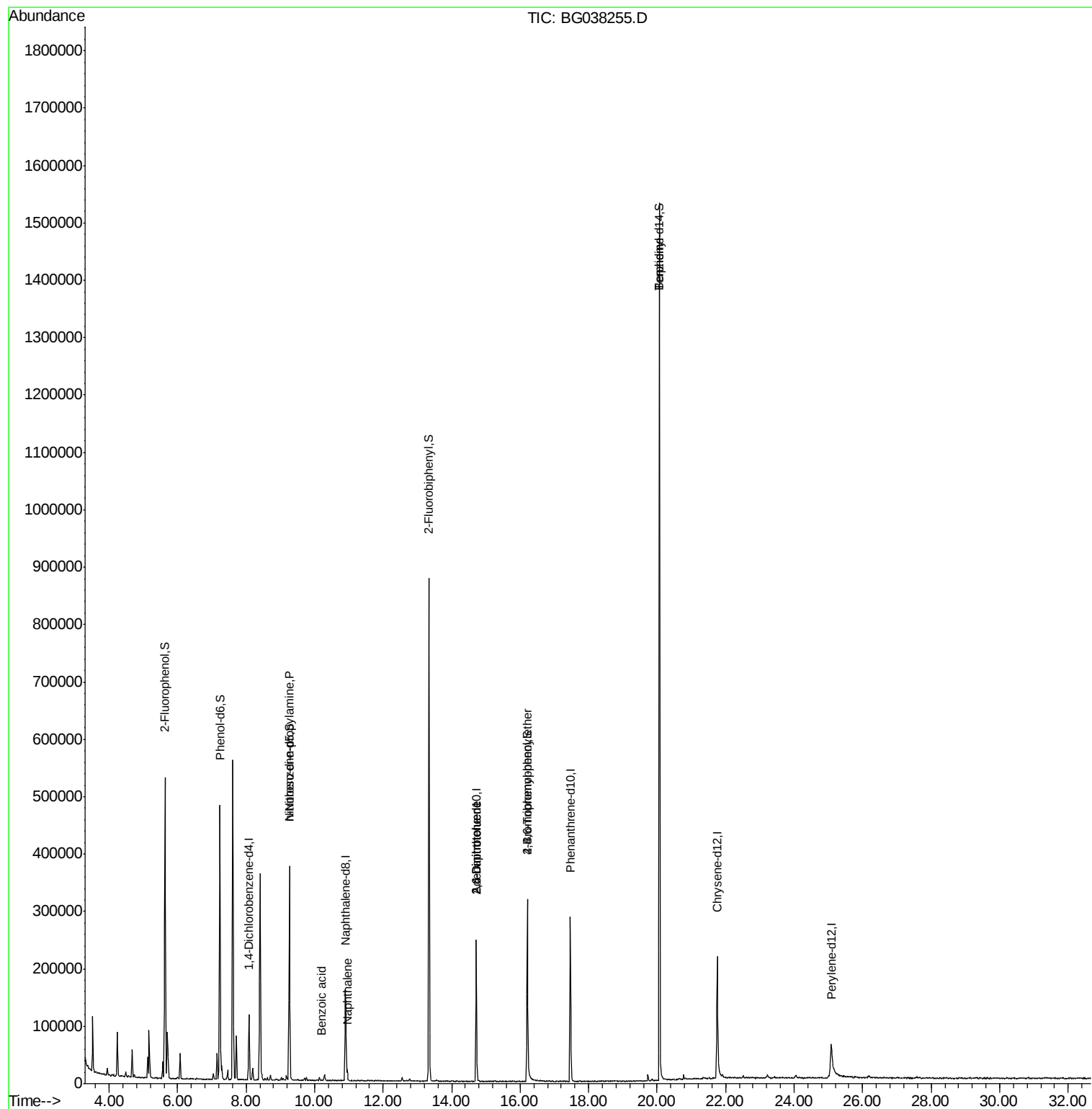
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	32266	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	143122	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	87467	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	196840	20.00	ng	0.00
76) Chrysene-d12	21.75	240	186820	20.00	ng	0.00
87) Perylene-d12	25.08	264	110172	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	228061	122.04	ng	0.00
7) Phenol-d6	7.23	99	288340	108.09	ng	0.00
23) Nitrobenzene-d5	9.26	82	228385	85.42	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	71559	71.74	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	474108	78.97	ng	0.00
79) Terphenyl-d14	20.06	244	792951	99.87	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.26	70	30788	15.951	ng	Qvalue # 75
31) Naphthalene	10.95	128	16842	2.393	ng	# 98
32) Benzoic acid	10.22	122	140	12.412	ng	# 45
51) 2,6-Dinitrotoluene	14.72	165	10879	6.932	ng	# 27
57) 2,4-Dinitrotoluene	14.72	165	10879	5.095	ng	# 27
67) 4-Bromophenyl-phenylether	16.20	248	4797	2.220	ng	# 1
77) Benzidine	20.06	184	13794	2.104	ng	95

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

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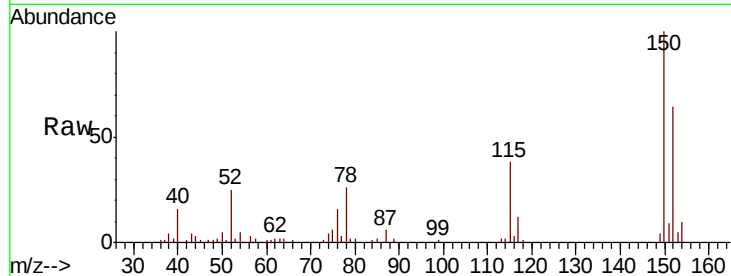


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 816
Delta R.T. -0.00 min
Lab File: BG038255.D
Acq: 30 Nov 2018 13:25

Instrument :
BNA_G
ClientSampleId :
WC-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	126.0	189.0
115	59.5	45.5	68.3

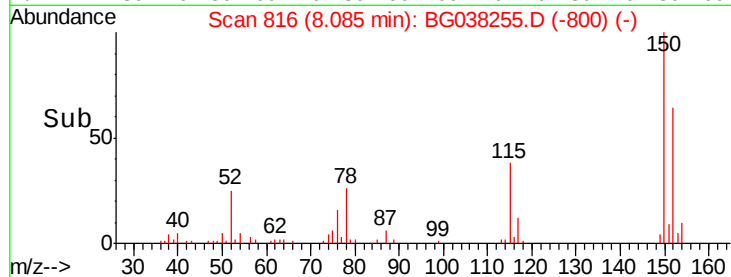
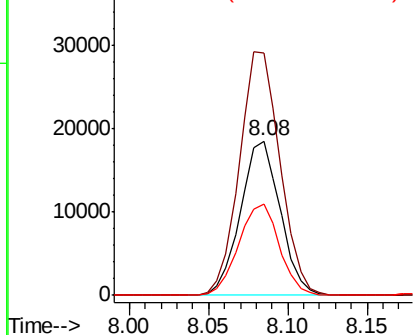


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

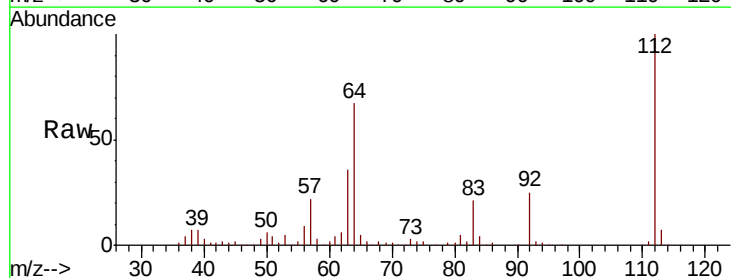
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 122.036 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.00 min
Lab File: BG038255.D
Acq: 30 Nov 2018 13:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	53.1	79.7
63	35.6	27.3	40.9

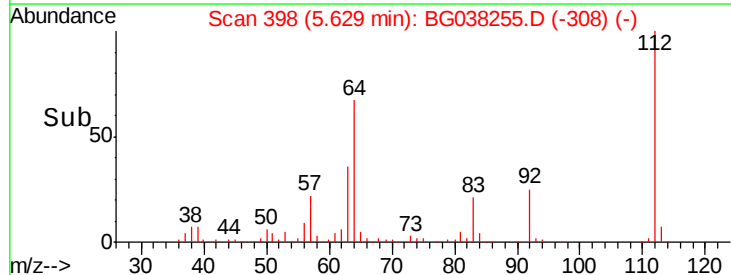
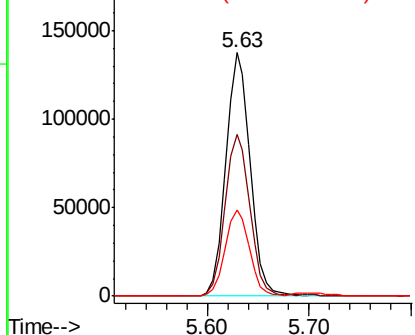


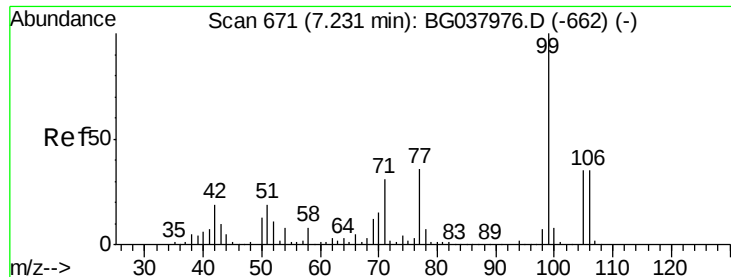
Abundance

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: 108.090 ng

RT: 7.23 min Scan# 671

Delta R.T. 0.00 min

Lab File: BG038255.D

Acq: 30 Nov 2018 13:25

Instrument :

BNA_G

ClientSampleId :

WC-2

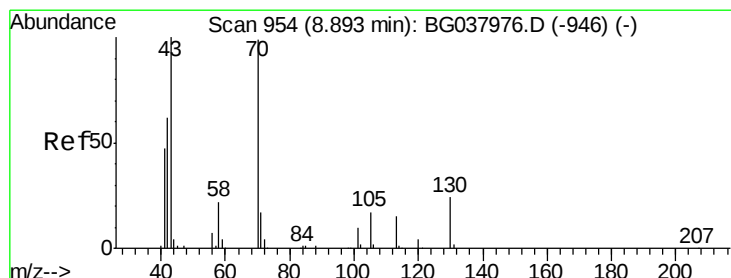
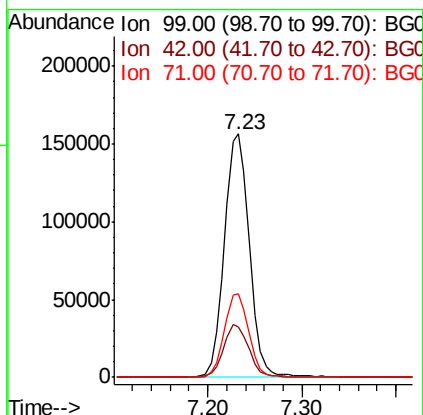
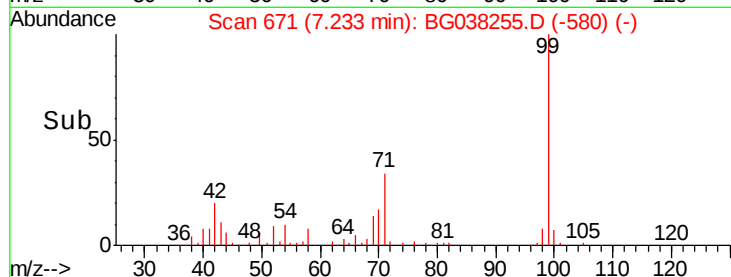
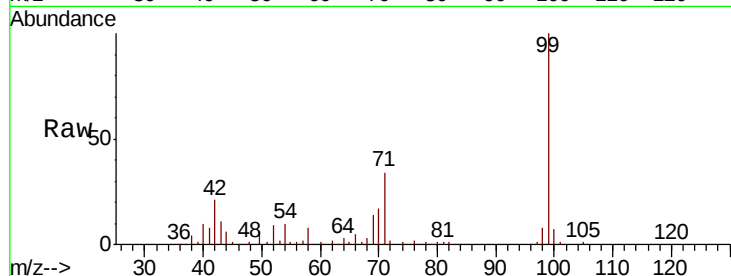
Tot Ion: 99 Resp: 288340

Ion Ratio Lower Upper

99 100

42 20.6 15.0 22.4

71 34.5 25.5 38.3



#19

n-Nitroso-di-n-propylamine

Concen: 15.951 ng

RT: 9.26 min Scan# 1016

Delta R.T. 0.37 min

Lab File: BG038255.D

Acq: 30 Nov 2018 13:25

Tgt Ion: 70 Resp: 30788

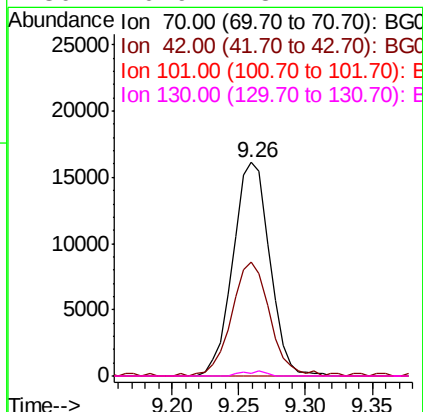
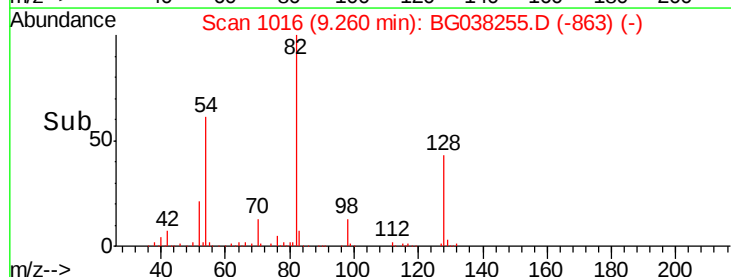
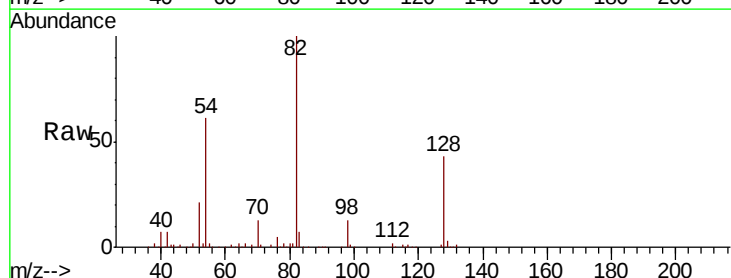
Ion Ratio Lower Upper

70 100

42 53.1 53.9 80.9#

101 0.0 8.2 12.2#

130 0.9 18.2 27.4#

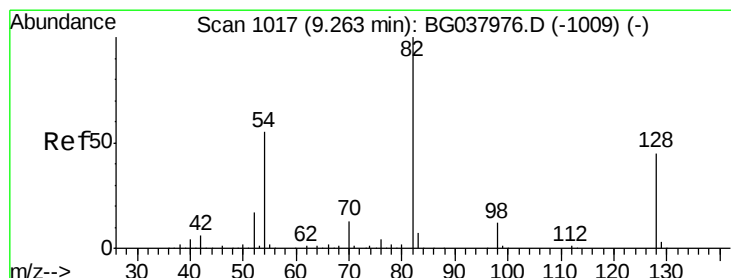
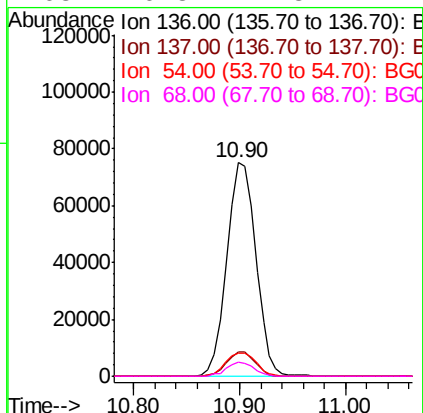
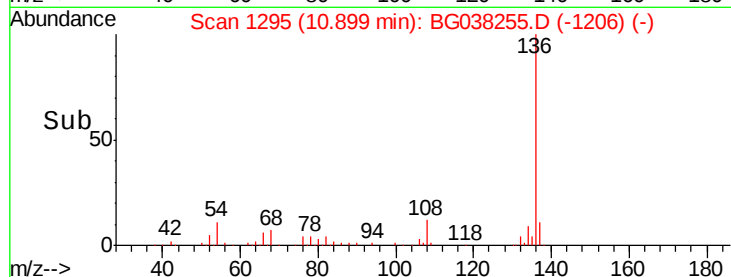
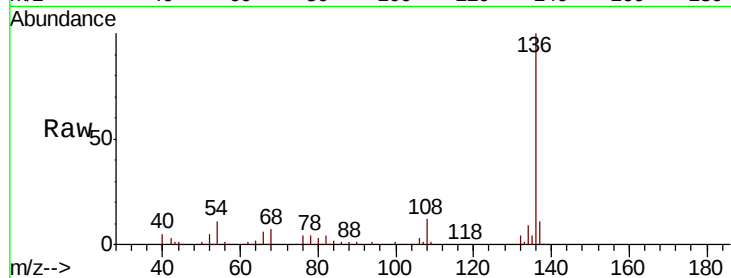




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BG038255.D
Acq: 30 Nov 2018 13:25

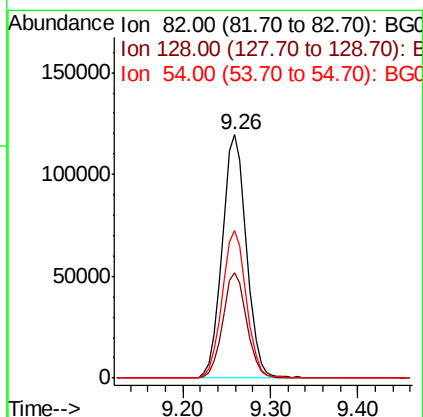
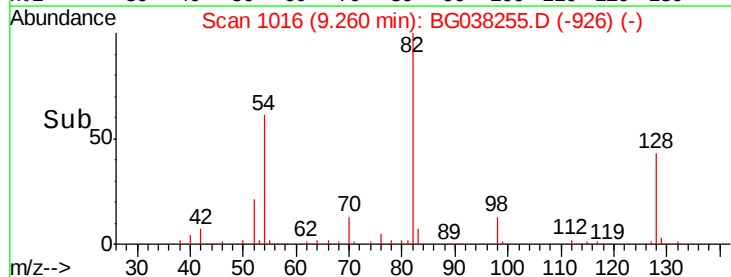
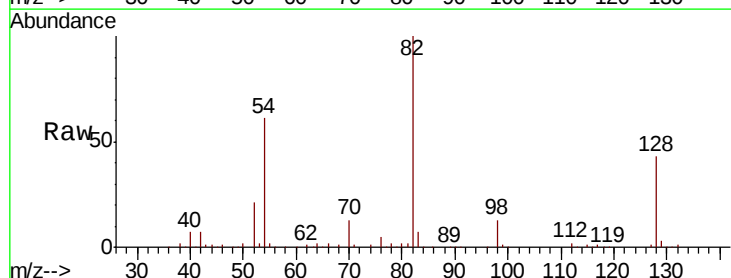
Instrument :
BNA_G
ClientSampleId :
WC-2

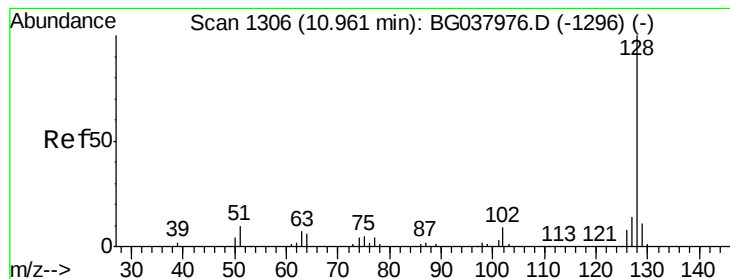
Tot Ion:136	Resp:	143122
Ion Ratio	Lower	Upper
136 100		
137 11.1	9.6	14.4
54 11.1	7.9	11.9
68 6.8	4.8	7.2



#23
Nitrobenzene-d5
Concen: 85.420 ng
RT: 9.26 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BG038255.D
Acq: 30 Nov 2018 13:25

Tgt	Ion: 82	Resp:	228385
Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.6	51.8
54	60.6	45.3	67.9





#31

Naphthalene

Concen: 2.393 ng

RT: 10.95 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BG038255.D

Acq: 30 Nov 2018 13:25

Instrument :

BNA_G

ClientSampleId :

WC-2

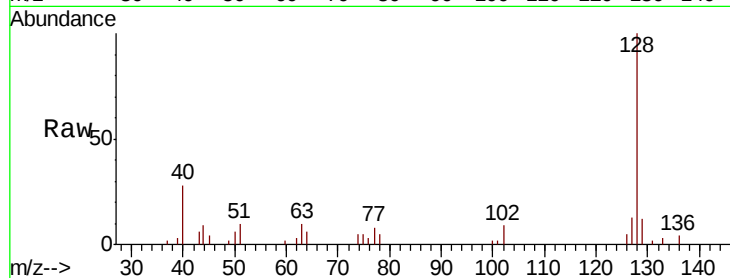
Tot Ion:128 Resp: 16842

Ion Ratio Lower Upper

128 100

129 12.1 9.0 13.6

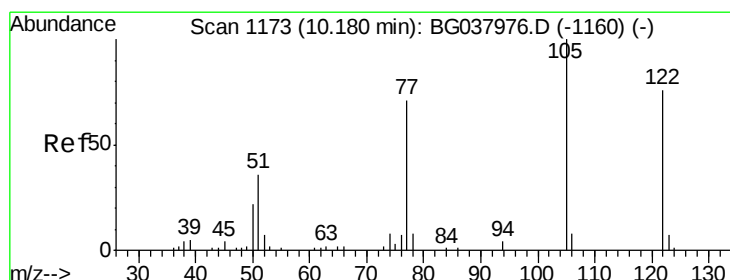
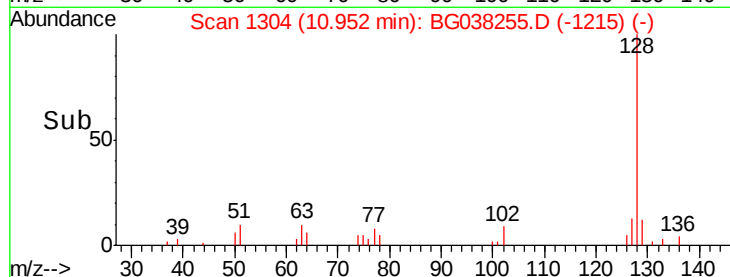
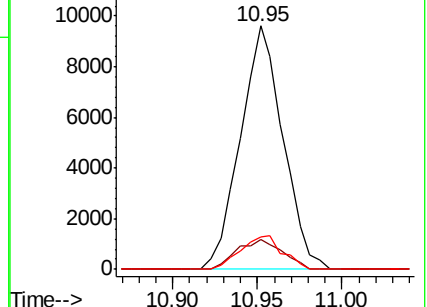
127 13.1 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 12.412 ng

RT: 10.22 min Scan# 1179

Delta R.T. 0.04 min

Lab File: BG038255.D

Acq: 30 Nov 2018 13:25

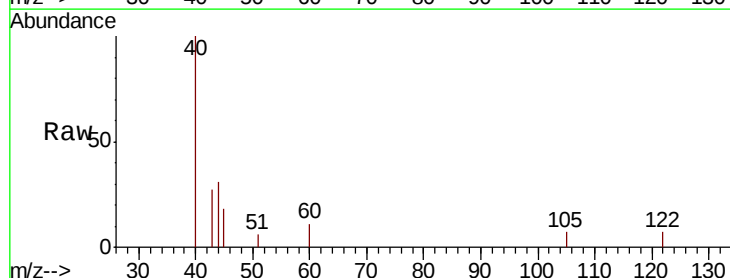
Tgt Ion:122 Resp: 140

Ion Ratio Lower Upper

122 100

105 99.0 106.7 146.7#

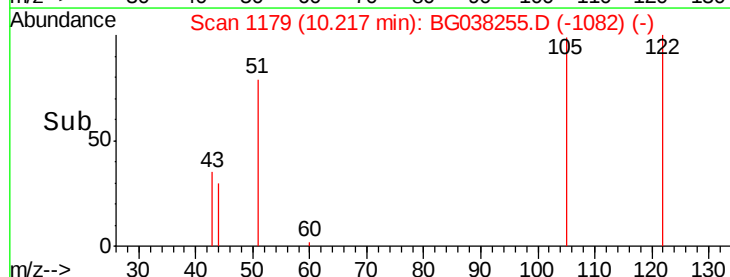
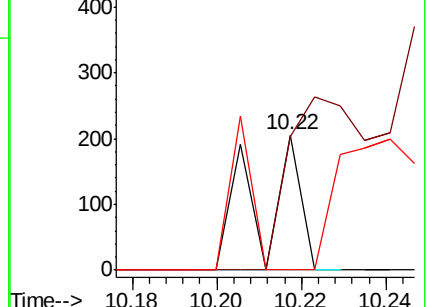
77 0.0 72.2 112.2#

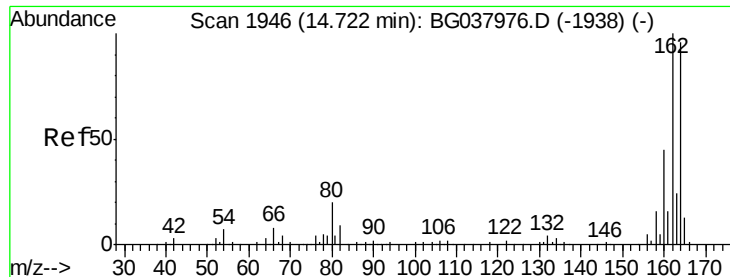


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1945

Delta R.T. -0.00 min

Lab File: BG038255.D

Acq: 30 Nov 2018 13:25

Instrument :

BNA_G

ClientSampleId :

WC-2

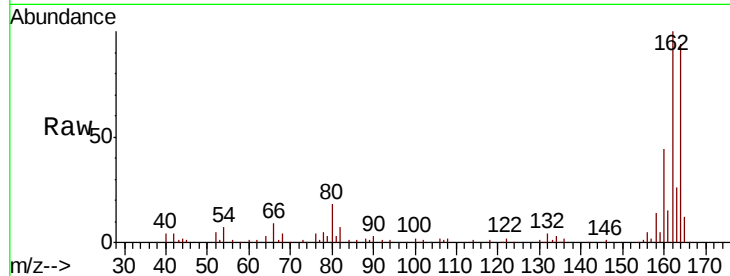
Tot Ion:164 Resp: 87467

Ion Ratio Lower Upper

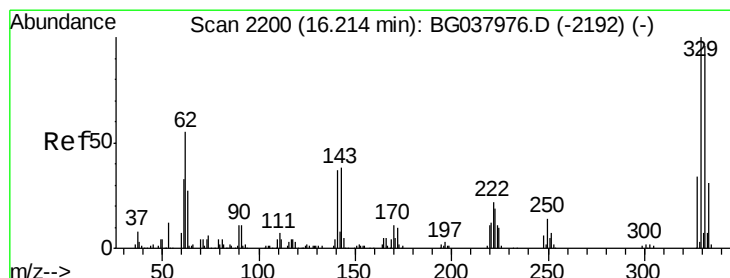
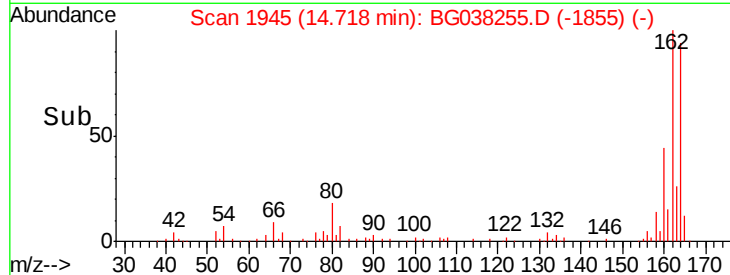
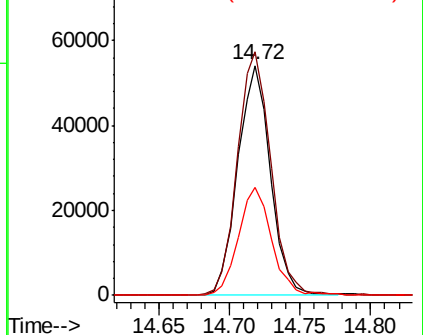
164 100

162 106.0 81.3 121.9

160 47.1 36.3 54.5



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: 71.735 ng

RT: 16.20 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BG038255.D

Acq: 30 Nov 2018 13:25

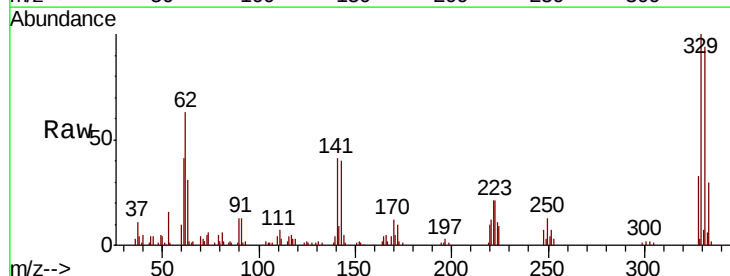
Tgt Ion:330 Resp: 71559

Ion Ratio Lower Upper

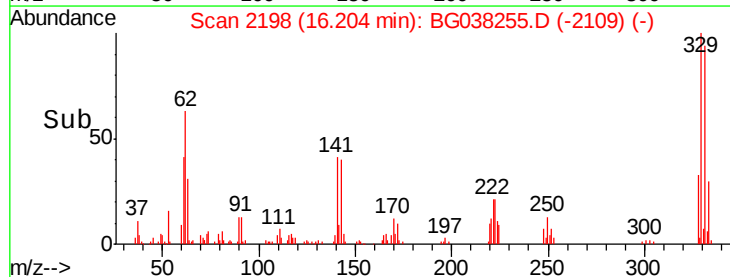
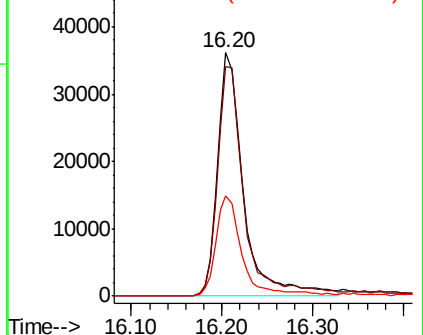
330 100

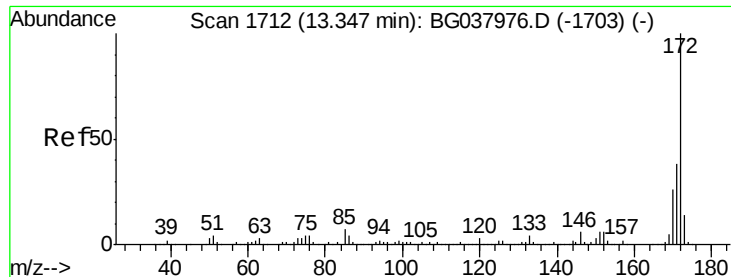
332 97.0 78.4 117.6

141 39.8 32.2 48.2



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

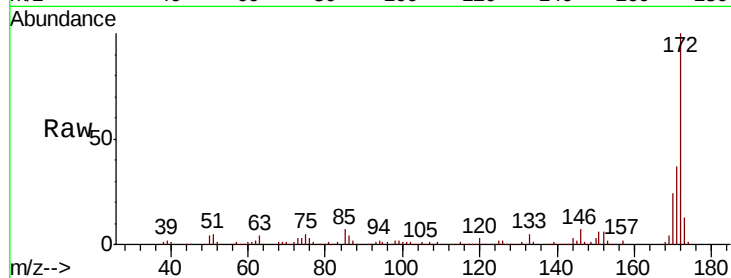




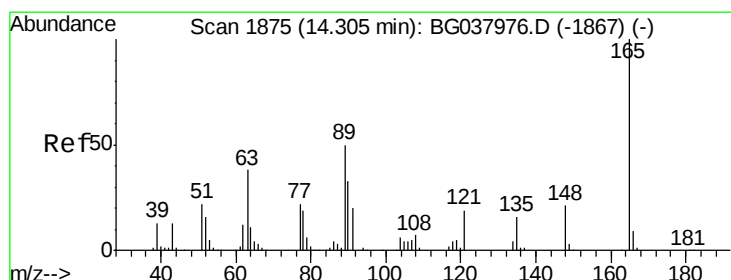
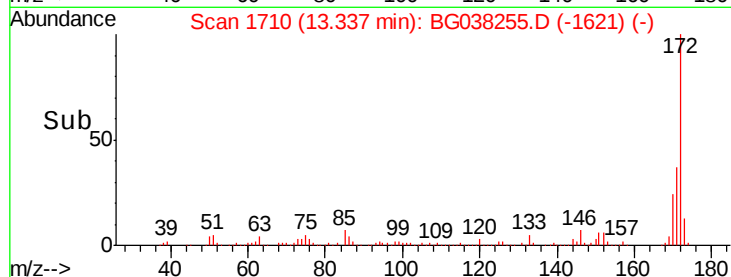
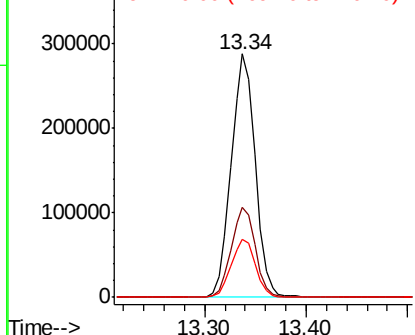
#45
 2-Fluorobiphenyl
 Concen: 78.967 ng
 RT: 13.34 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BG038255.D
 Acq: 30 Nov 2018 13:25

Instrument :
 BNA_G
 ClientSampleId :
 WC-2

Tot Ion:172 Resp: 474108
 Ion Ratio Lower Upper
 172 100
 171 37.0 31.0 46.4
 170 24.0 20.2 30.2

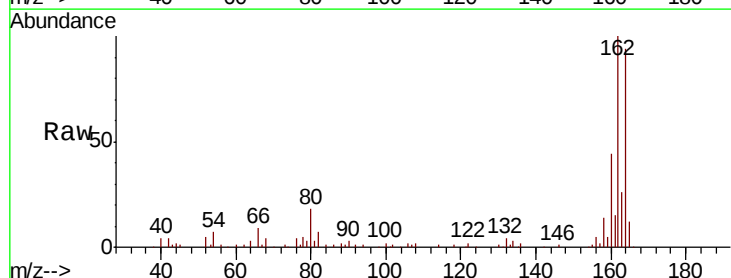


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

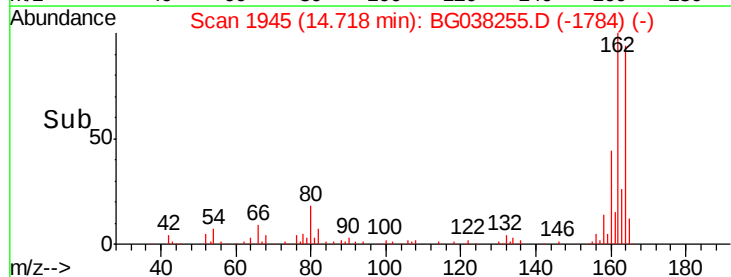
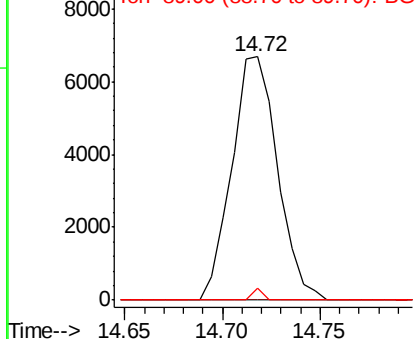


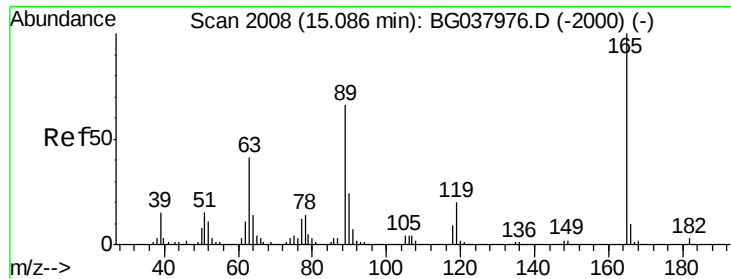
#51
 2,6-Dinitrotoluene
 Concen: 6.932 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. 0.41 min
 Lab File: BG038255.D
 Acq: 30 Nov 2018 13:25

Tgt Ion:165 Resp: 10879
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.4 65.2#
 89 4.7 45.8 68.6#



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

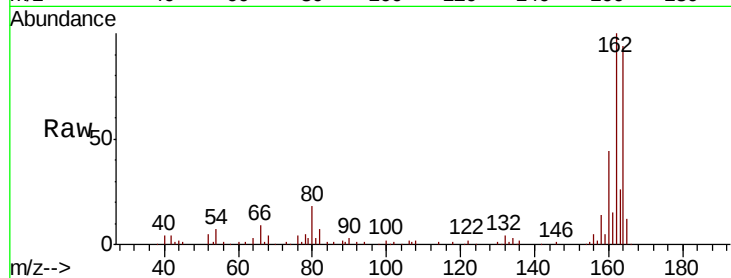




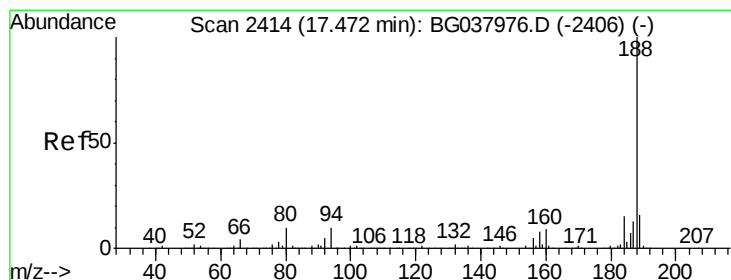
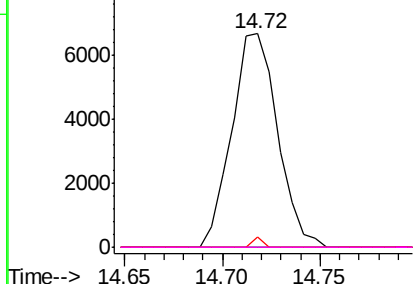
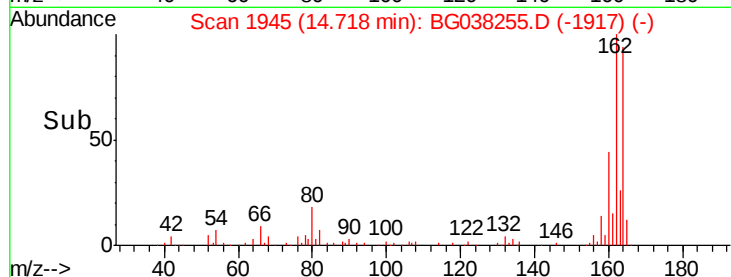
#57
 2,4-Dinitrotoluene
 Concen: 5.095 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. -0.37 min
 Lab File: BG038255.D
 Acq: 30 Nov 2018 13:25

Instrument :
 BNA_G
 ClientSampled :
 WC-2

Tot Ion:165	Resp:	10879
Ion Ratio	Lower	Upper
165	100	
63	0.0	33.4 50.0#
89	4.7	57.2 85.8#
182	0.0	2.6 4.0#

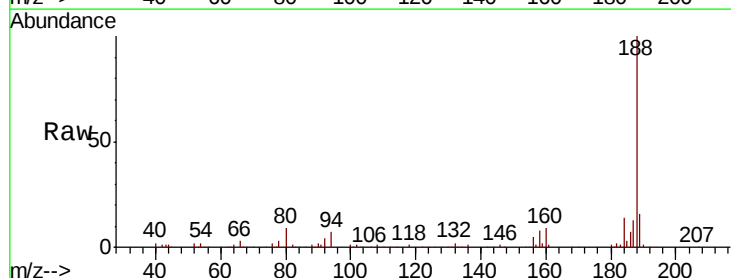


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

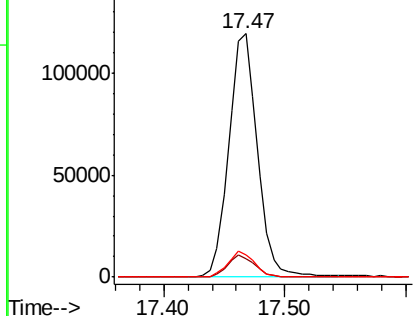
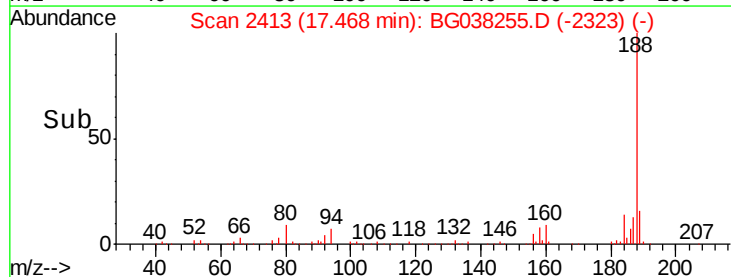


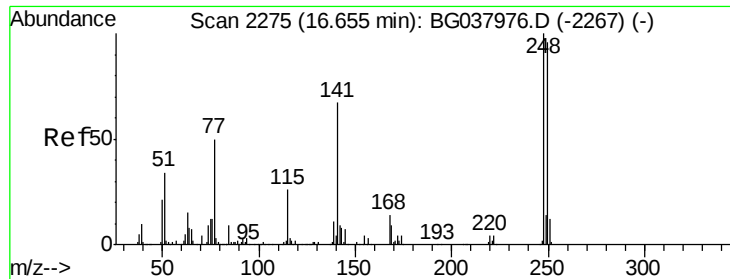
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2413
 Delta R.T. -0.00 min
 Lab File: BG038255.D
 Acq: 30 Nov 2018 13:25

Tgt Ion:188	Resp:	196840
Ion Ratio	Lower	Upper
188	100	
94	7.4	7.2 10.8
80	8.9	7.7 11.5



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

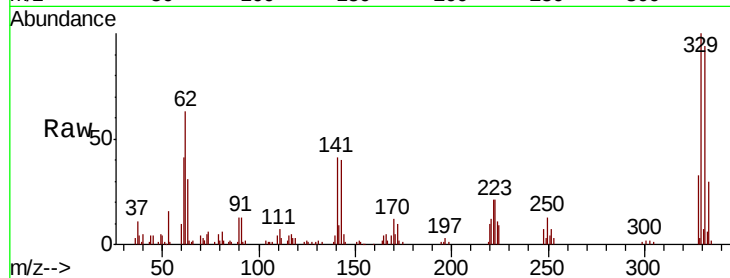




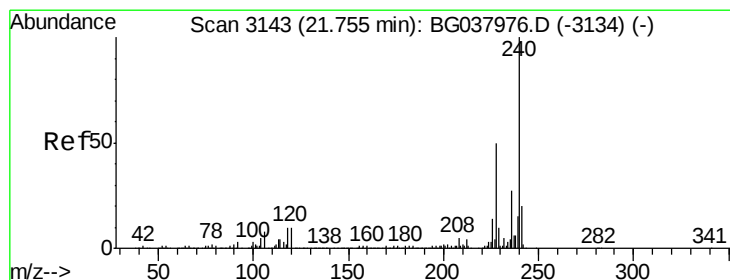
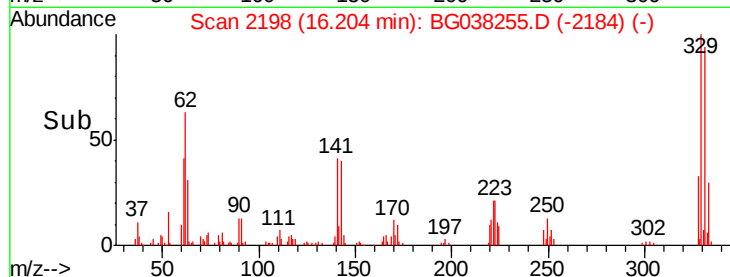
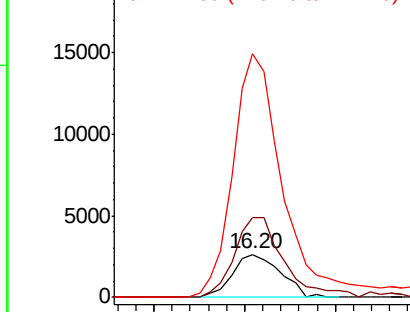
#67
 4-Bromophenyl-phenylether
 Concen: 2.220 ng
 RT: 16.20 min Scan# 2198
 Delta R.T. -0.45 min
 Lab File: BG038255.D
 Acq: 30 Nov 2018 13:25

Instrument :
 BNA_G
 ClientSampleId :
 WC-2

Tot Ion:248 Resp: 4797
 Ion Ratio Lower Upper
 248 100
 250 174.7 77.0 115.6#
 141 412.7 55.5 83.3#

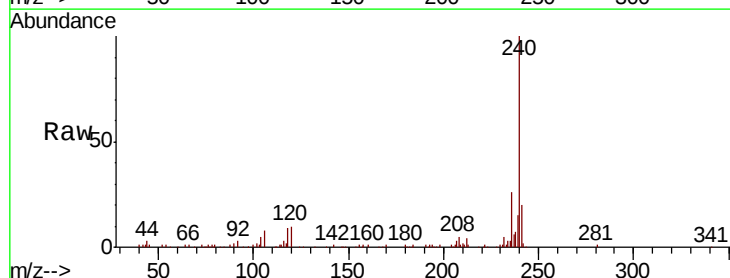


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

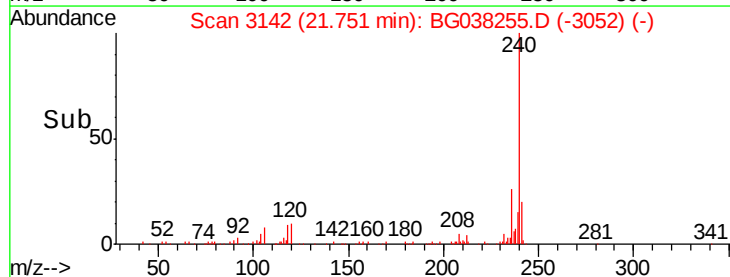
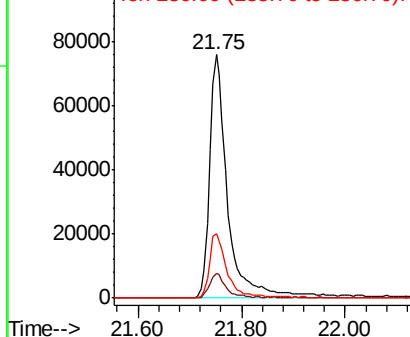


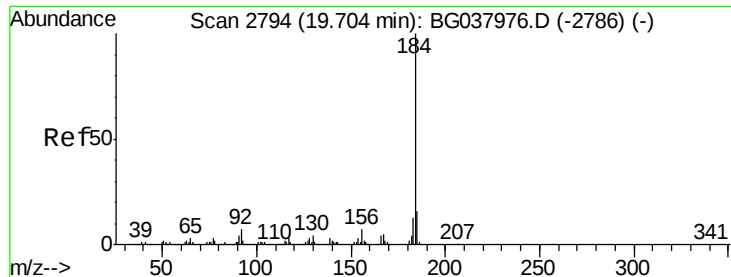
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3142
 Delta R.T. -0.00 min
 Lab File: BG038255.D
 Acq: 30 Nov 2018 13:25

Tgt Ion:240 Resp: 186820
 Ion Ratio Lower Upper
 240 100
 120 10.3 8.1 12.1
 236 26.2 21.4 32.0



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: 2.104 ng

RT: 20.06 min Scan# 2855

Delta R.T. 0.36 min

Lab File: BG038255.D

Acq: 30 Nov 2018 13:25

Instrument :

BNA_G

ClientSampleId :

WC-2

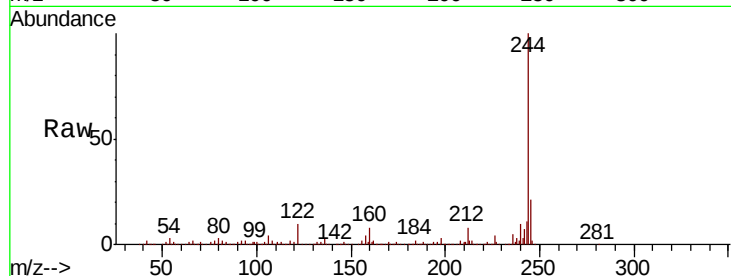
Tot Ion:184 Resp: 13794

Ion Ratio Lower Upper

184 100

185 17.4 12.6 18.8

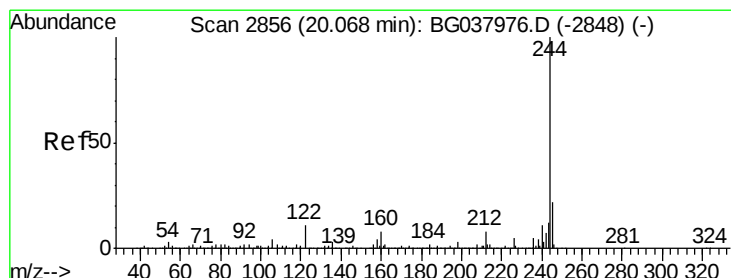
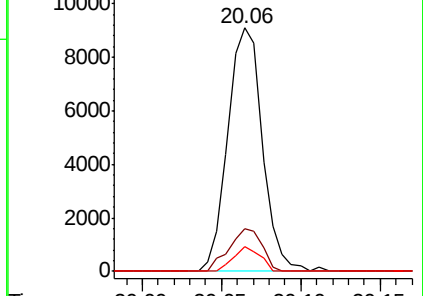
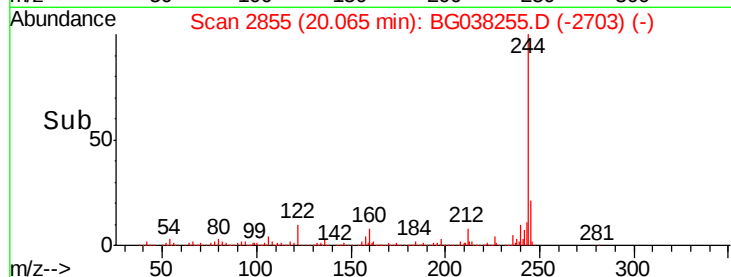
183 10.3 10.2 15.2



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: 99.873 ng

RT: 20.06 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BG038255.D

Acq: 30 Nov 2018 13:25

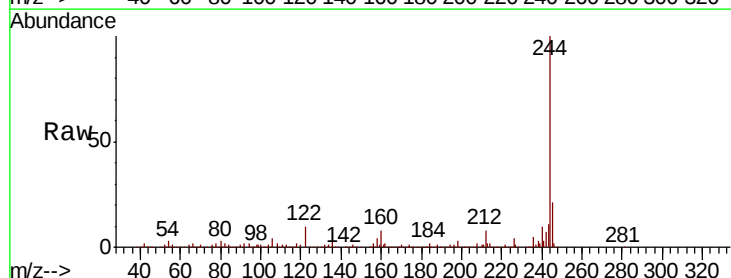
Tgt Ion:244 Resp: 792951

Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

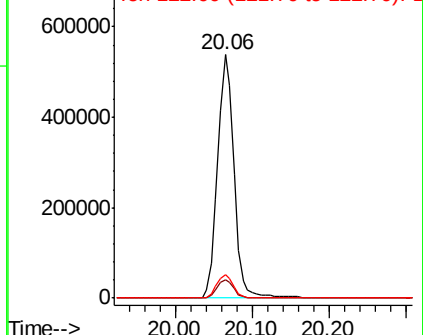
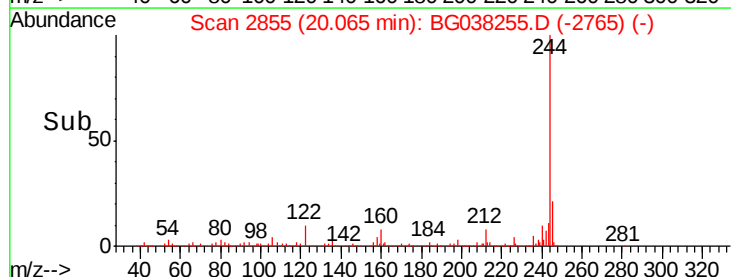
122 9.7 9.0 13.4

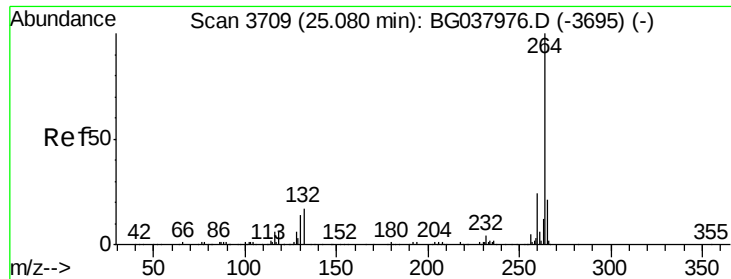


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.08 min Scan# 3709
 Delta R.T. 0.00 min
 Lab File: BG038255.D
 Acq: 30 Nov 2018 13:25

Instrument :
 BNA_G
 ClientSampleId :
 WC-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.4	18.2	27.4
265	20.0	17.9	26.9

