

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG113018\
 Data File : BG038258.D
 Acq On : 30 Nov 2018 15:24
 Operator : JU/SJ
 Sample : J6124-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BW-2072-112818

Quant Time: Nov 30 16:15:11 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

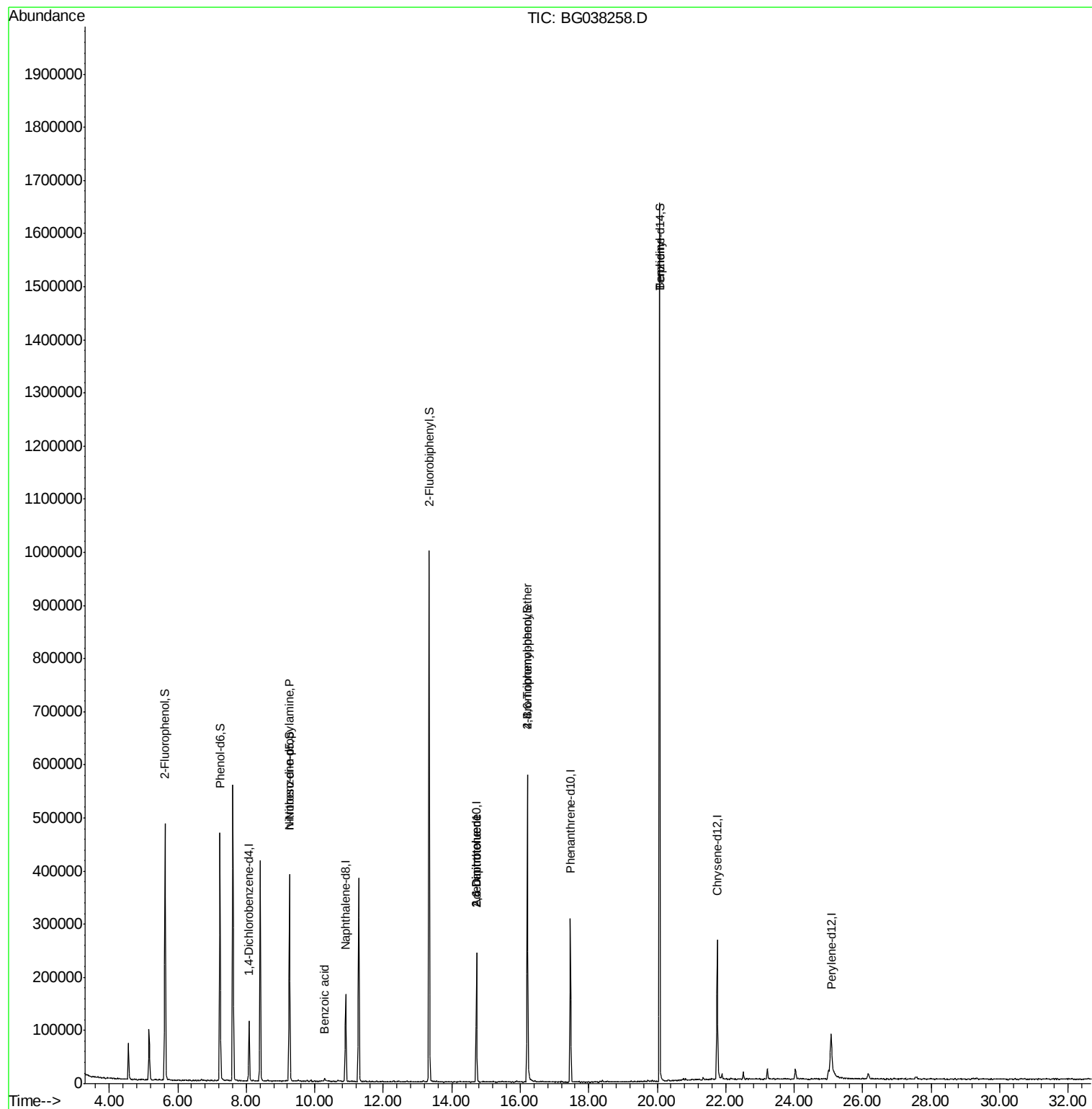
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	31518	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	142866	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	87946	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	197786	20.00	ng	0.00
76) Chrysene-d12	21.75	240	184195	20.00	ng	0.00
87) Perylene-d12	25.07	264	152696	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	221655	121.42	ng	0.00
7) Phenol-d6	7.23	99	281971	108.21	ng	0.00
23) Nitrobenzene-d5	9.26	82	242361	90.81	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	114143	113.80	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	533398	88.36	ng	0.00
79) Terphenyl-d14	20.07	244	824256	105.30	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.26	70	31605	16.762	ng	Qvalue
32) Benzoic acid	10.29	122	187	12.438	ng	# 75
51) 2,6-Dinitrotoluene	14.72	165	11125	7.050	ng	# 23
57) 2,4-Dinitrotoluene	14.72	165	11125	5.182	ng	# 23
67) 4-Bromophenyl-phenylether	16.20	248	7940	3.658	ng	# 1
77) Benzidine	20.07	184	14983	2.318	ng	# 94

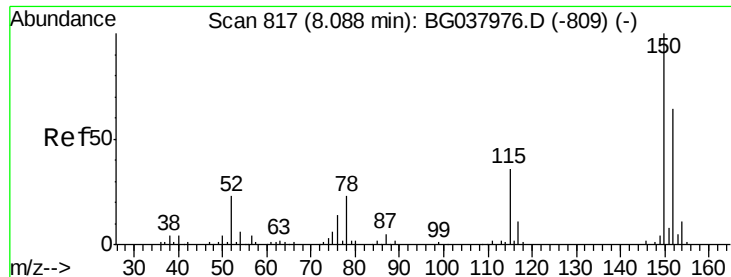
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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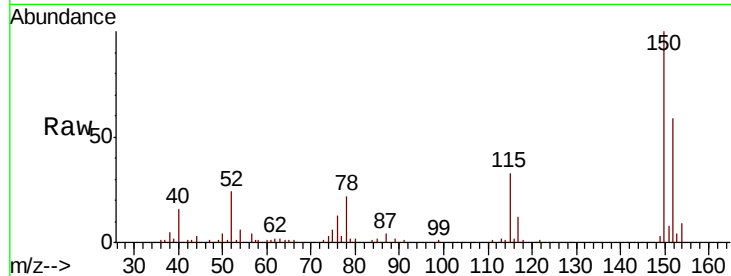


#1

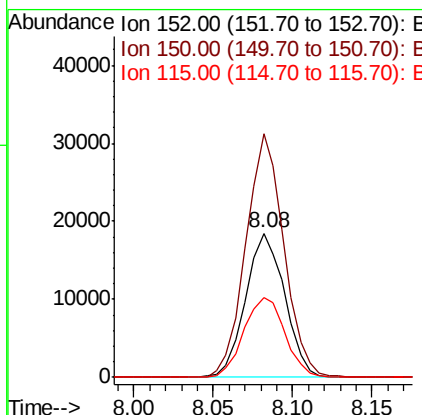
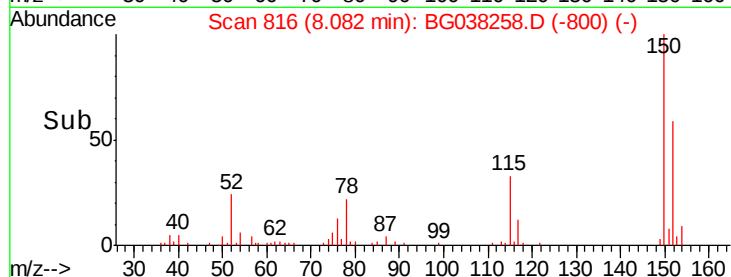
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 816
Delta R.T. -0.01 min
Lab File: BG038258.D
Acq: 30 Nov 2018 15:24

Instrument :
BNA_G
ClientSampleId :
BW-2072-112818

Tot Ion:152 Resp: 31518
Ion Ratio Lower Upper
152 100
150 169.4 126.0 189.0
115 55.6 45.5 68.3



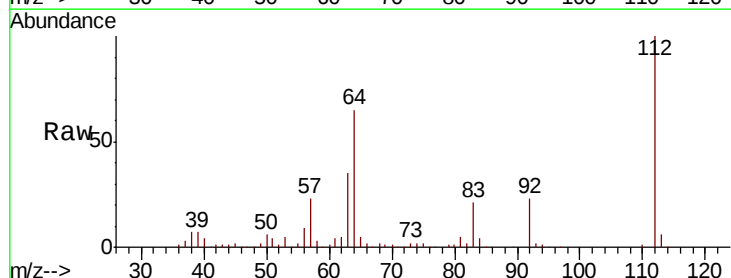
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



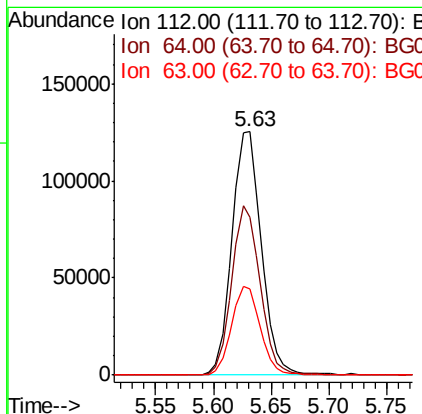
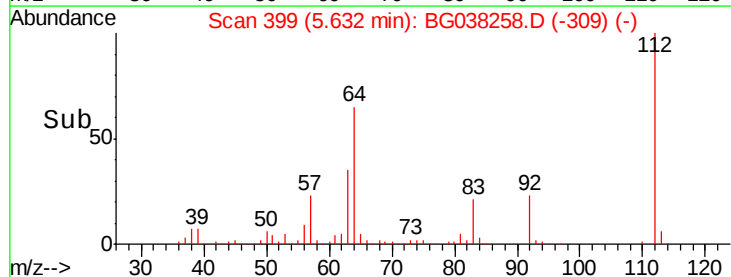
#5

2-Fluorophenol
Concen: 121.423 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.00 min
Lab File: BG038258.D
Acq: 30 Nov 2018 15:24

Tgt Ion:112 Resp: 221655
Ion Ratio Lower Upper
112 100
64 65.1 53.1 79.7
63 35.4 27.3 40.9



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: 108.211 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.00 min

Lab File: BG038258.D

Acq: 30 Nov 2018 15:24

Instrument :

BNA_G

ClientSampleId :

BW-2072-112818

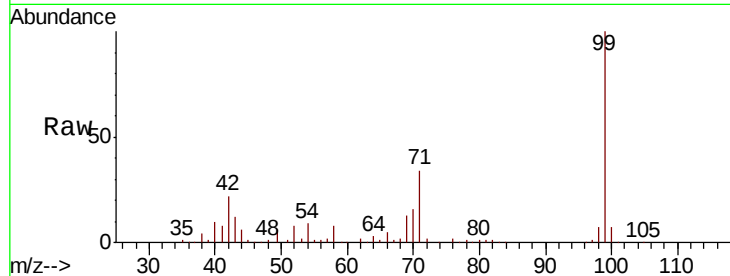
Tot Ion: 99 Resp: 281971

Ion Ratio Lower Upper

99 100

42 22.3 15.0 22.4

71 34.5 25.5 38.3

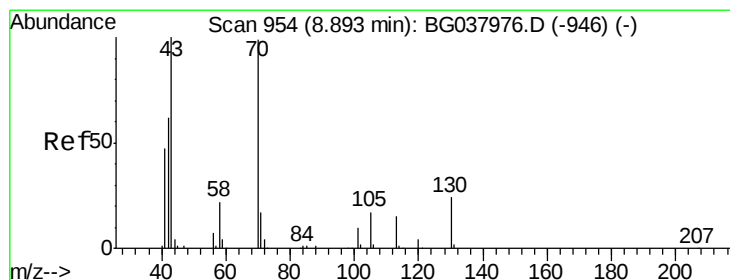
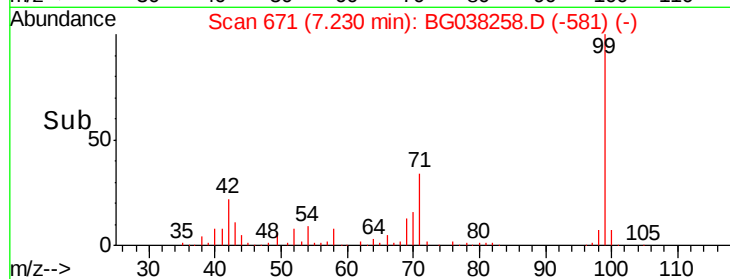
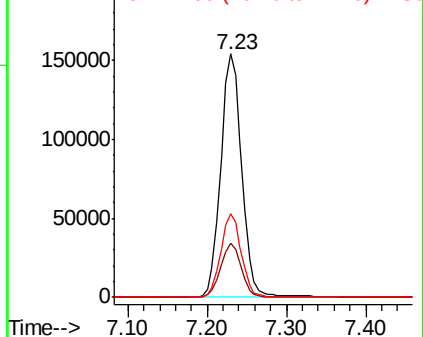


Abundance

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: 16.762 ng

RT: 9.26 min Scan# 1016

Delta R.T. 0.36 min

Lab File: BG038258.D

Acq: 30 Nov 2018 15:24

Tgt Ion: 70 Resp: 31605

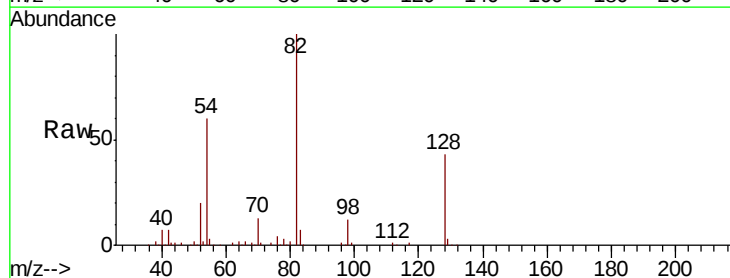
Ion Ratio Lower Upper

70 100

42 52.0 53.9 80.9#

101 0.0 8.2 12.2#

130 2.8 18.2 27.4#



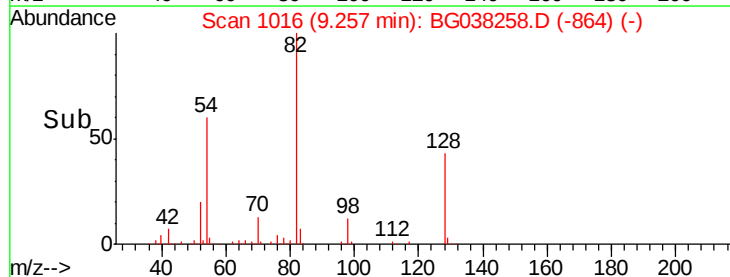
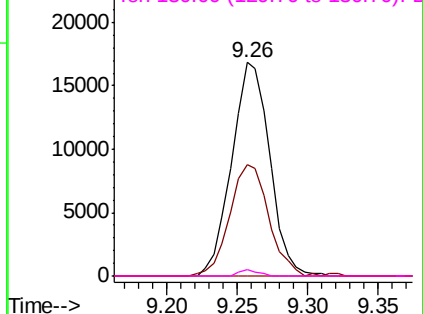
Abundance

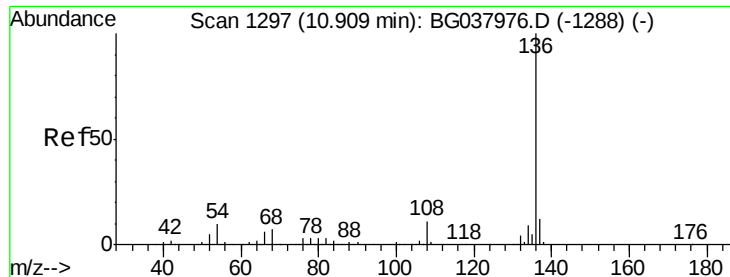
Ion 70.00 (69.70 to 70.70): BGC

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

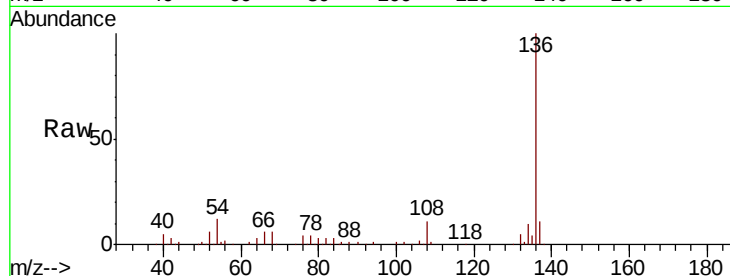




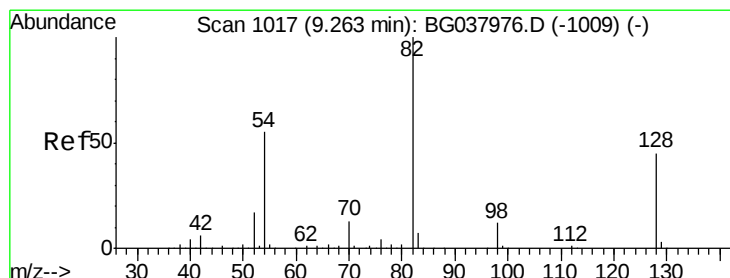
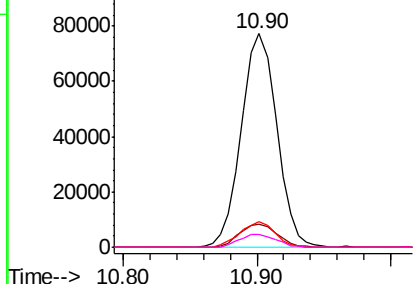
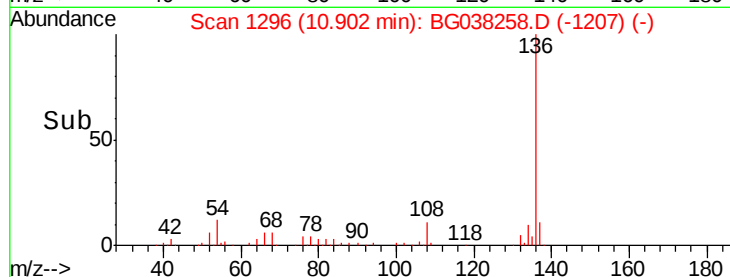
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BG038258.D
Acq: 30 Nov 2018 15:24

Instrument :
BNA_G
ClientSampleId :
BW-2072-112818

Tot Ion:136	Resp:	142866
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.6 14.4
54	11.7	7.9 11.9
68	6.1	4.8 7.2

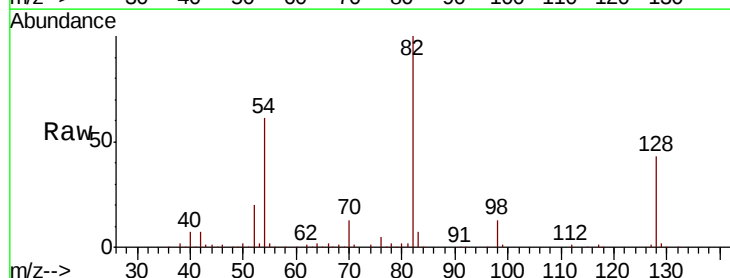


Abundance Ion 136.00 (135.70 to 136.70): E
120000
Ion 137.00 (136.70 to 137.70): E
100000
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

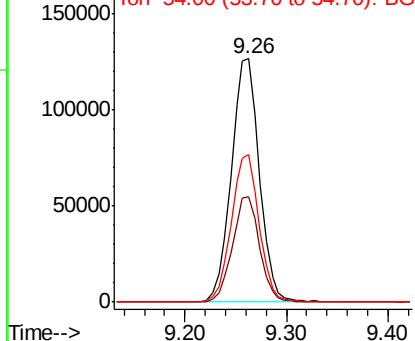
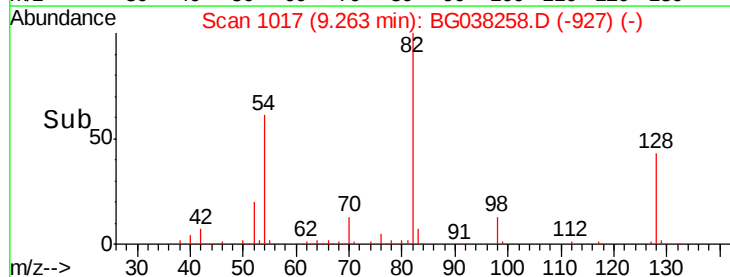


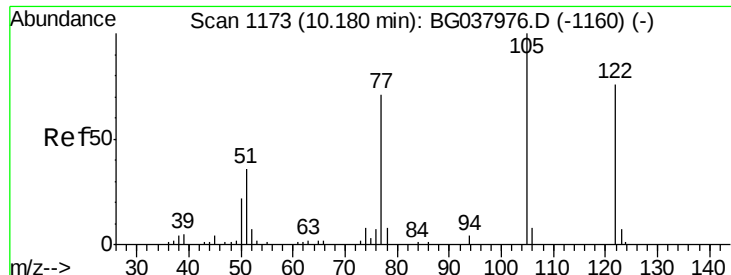
#23
Nitrobenzene-d5
Concen: 90.810 ng
RT: 9.26 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BG038258.D
Acq: 30 Nov 2018 15:24

Tgt Ion: 82	Resp:	242361
Ion Ratio	Lower	Upper
82	100	
128	43.1	34.6 51.8
54	60.8	45.3 67.9



Abundance Ion 82.00 (81.70 to 82.70): BGC
150000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 12.438 ng

RT: 10.29 min Scan# 1192

Delta R.T. 0.11 min

Lab File: BG038258.D

Acq: 30 Nov 2018 15:24

Instrument :

BNA_G

ClientSampleId :

BW-2072-112818

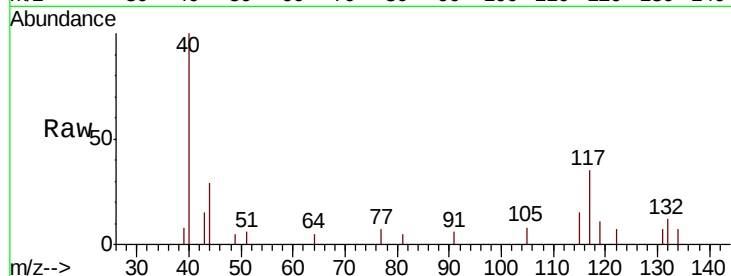
Tot Ion:122 Resp: 187

Ion Ratio Lower Upper

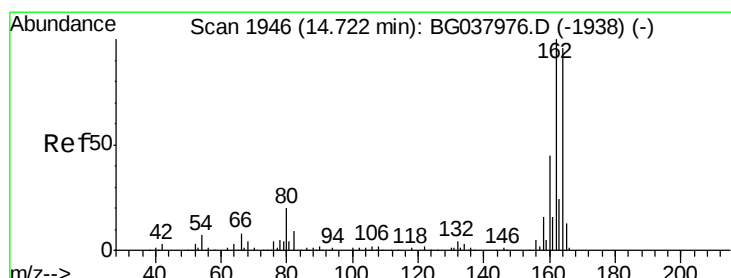
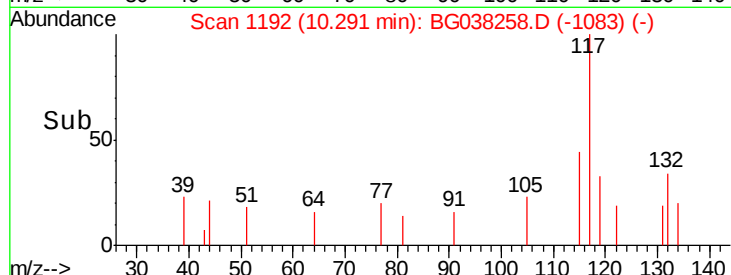
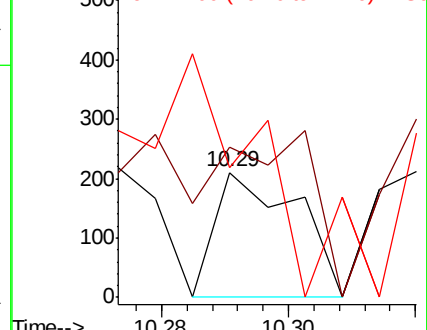
122 100

105 119.9 106.7 146.7

77 103.3 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. -0.01 min

Lab File: BG038258.D

Acq: 30 Nov 2018 15:24

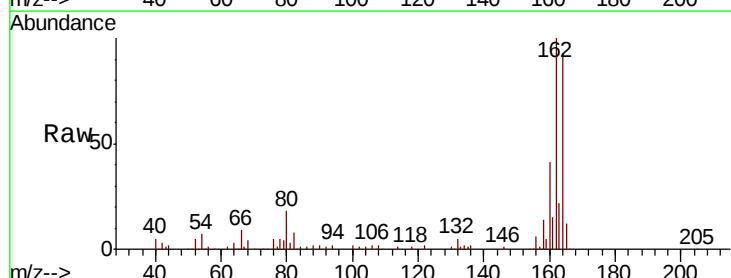
Tgt Ion:164 Resp: 87946

Ion Ratio Lower Upper

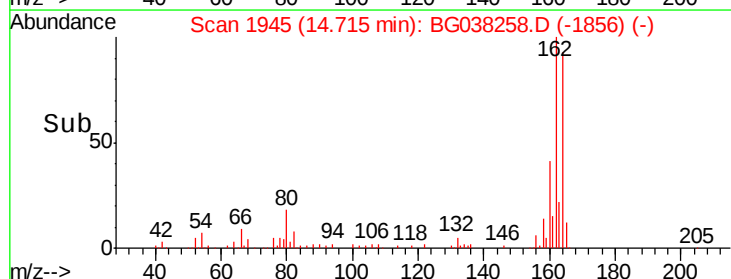
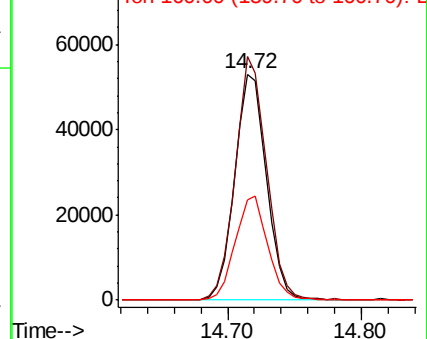
164 100

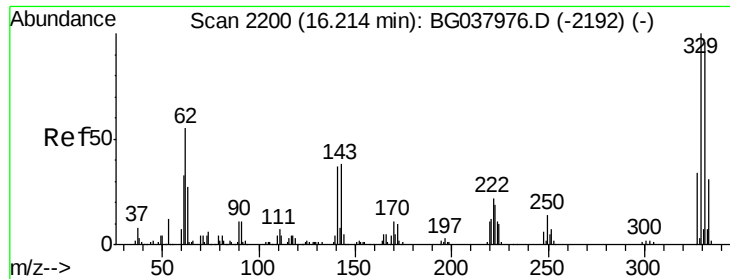
162 107.8 81.3 121.9

160 44.2 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: 113.801 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BG038258.D

Acq: 30 Nov 2018 15:24

Instrument :

BNA_G

ClientSampleId :

BW-2072-112818

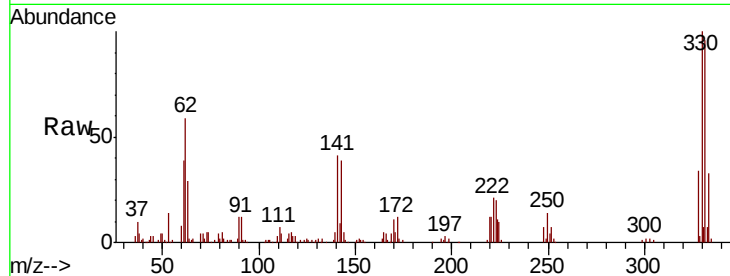
Tot Ion:330 Resp: 114143

Ion Ratio Lower Upper

330 100

332 95.4 78.4 117.6

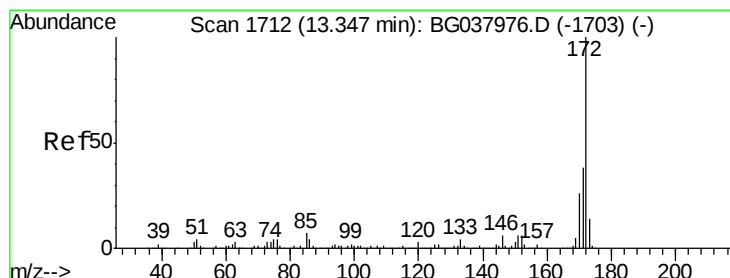
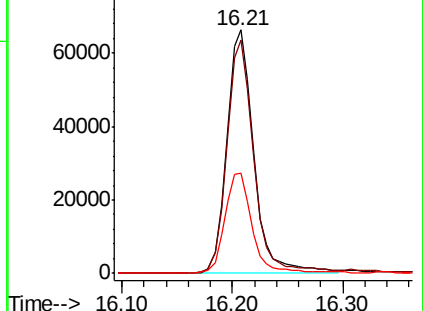
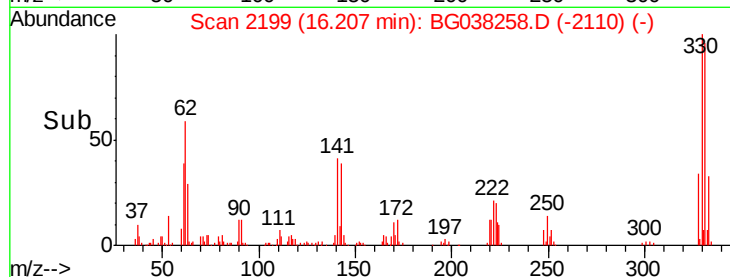
141 41.8 32.2 48.2



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: 88.359 ng

RT: 13.34 min Scan# 1711

Delta R.T. -0.01 min

Lab File: BG038258.D

Acq: 30 Nov 2018 15:24

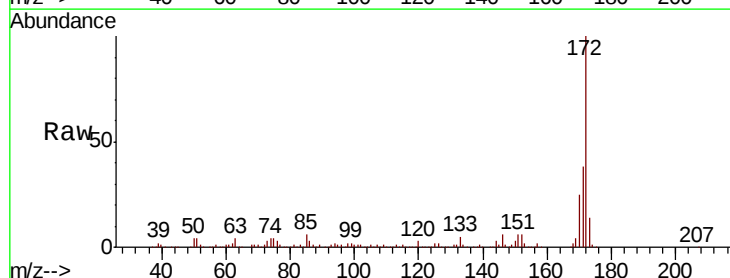
Tgt Ion:172 Resp: 533398

Ion Ratio Lower Upper

172 100

171 37.5 31.0 46.4

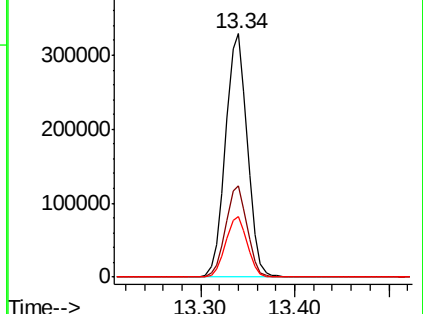
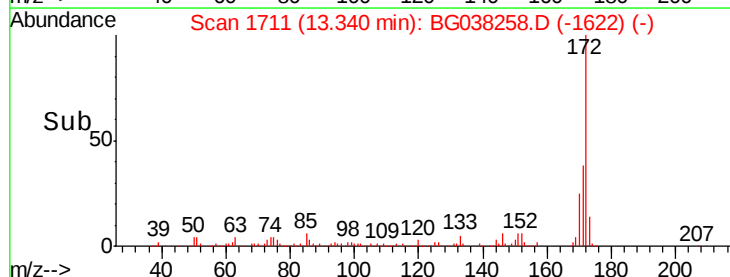
170 24.8 20.2 30.2

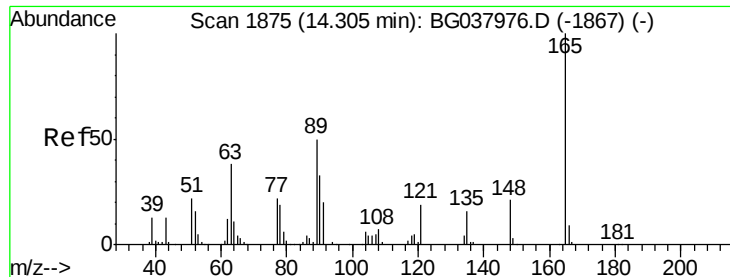


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.050 ng

RT: 14.72 min Scan# 1945

Delta R.T. 0.41 min

Lab File: BG038258.D

Acq: 30 Nov 2018 15:24

Instrument :

BNA_G

ClientSampleId :

BW-2072-112818

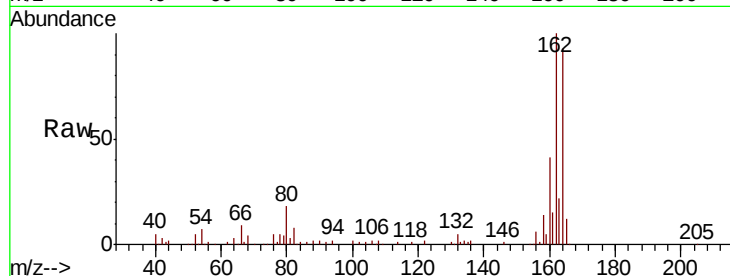
Tot Ion:165 Resp: 11125

Ion Ratio Lower Upper

165 100

63 0.0 43.4 65.2#

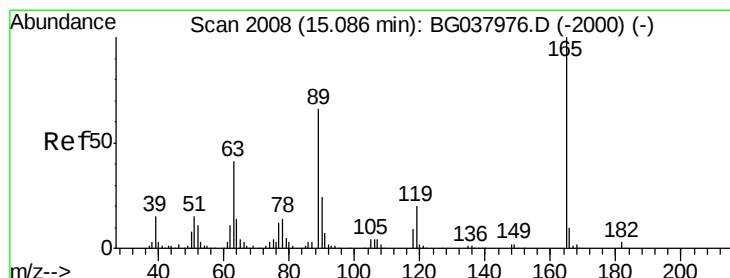
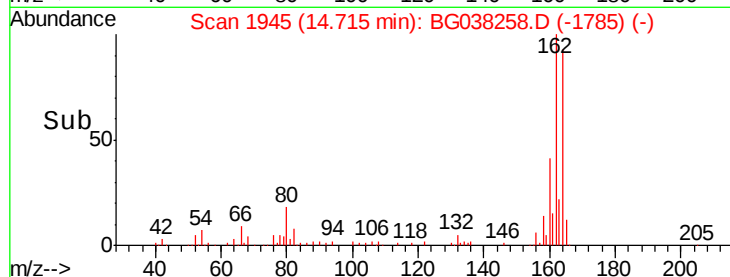
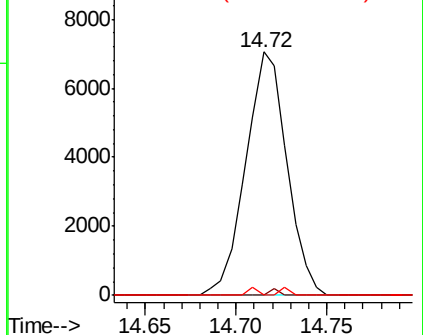
89 0.0 45.8 68.6#



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: 5.182 ng

RT: 14.72 min Scan# 1945

Delta R.T. -0.37 min

Lab File: BG038258.D

Acq: 30 Nov 2018 15:24

Tgt Ion:165 Resp: 11125

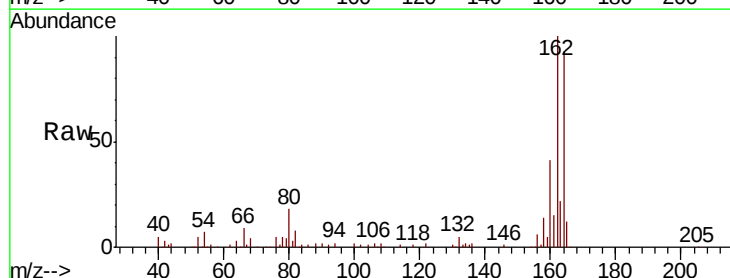
Ion Ratio Lower Upper

165 100

63 0.0 33.4 50.0#

89 0.0 57.2 85.8#

182 0.0 2.6 4.0#

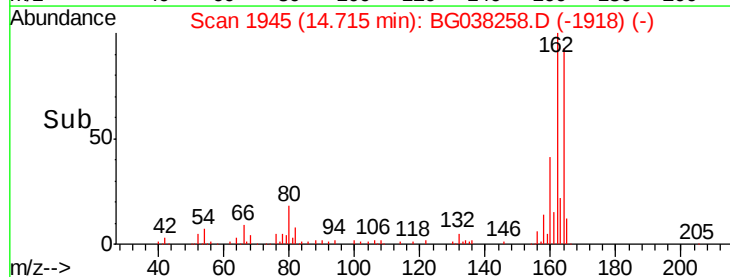
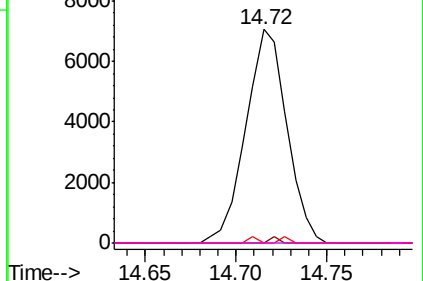


Abundance Ion 165.00 (164.70 to 165.70): E

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

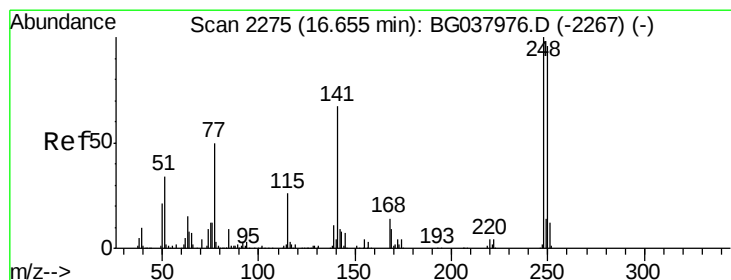
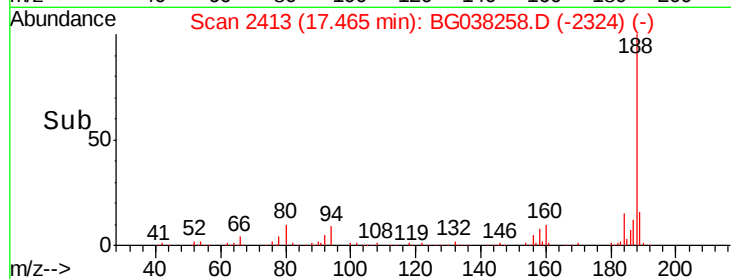
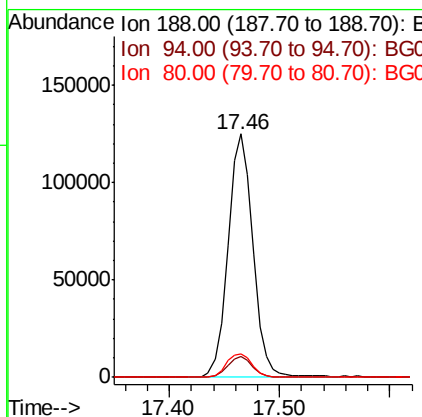
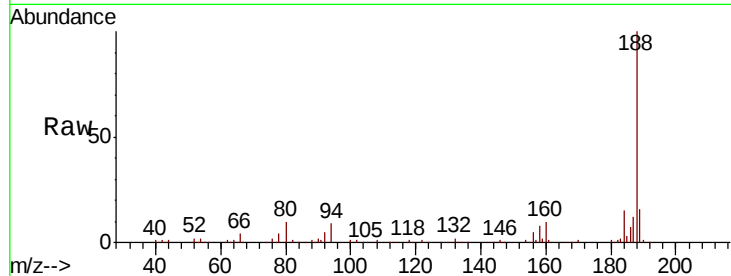




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.46 min Scan# 2413
 Delta R.T. -0.01 min
 Lab File: BG038258.D
 Acq: 30 Nov 2018 15:24

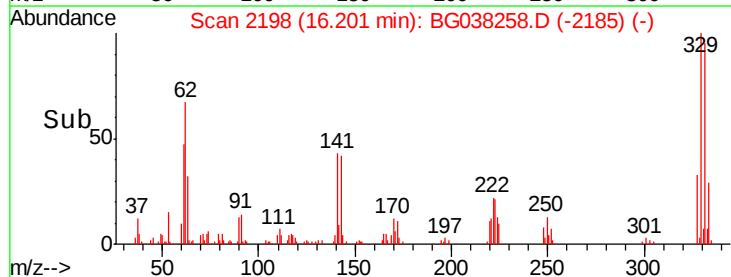
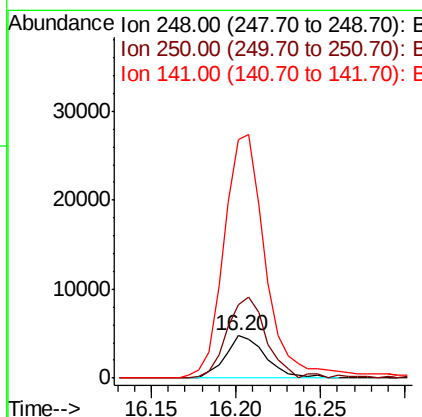
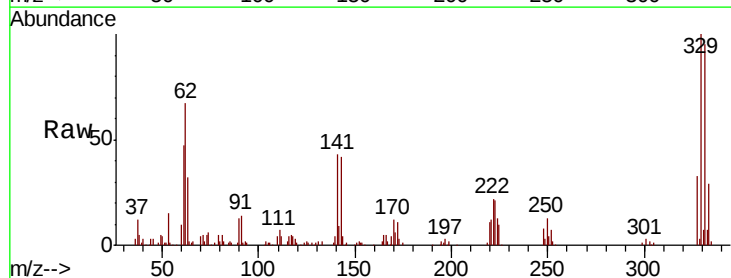
Instrument :
 BNA_G
 ClientSampleId :
 BW-2072-112818

Tot Ion:188 Resp: 197786
 Ion Ratio Lower Upper
 188 100
 94 8.8 7.2 10.8
 80 9.6 7.7 11.5



#67
 4-Bromophenyl-phenylether
 Concen: 3.658 ng
 RT: 16.20 min Scan# 2198
 Delta R.T. -0.45 min
 Lab File: BG038258.D
 Acq: 30 Nov 2018 15:24

Tgt Ion:248 Resp: 7940
 Ion Ratio Lower Upper
 248 100
 250 167.0 77.0 115.6#
 141 420.4 55.5 83.3#

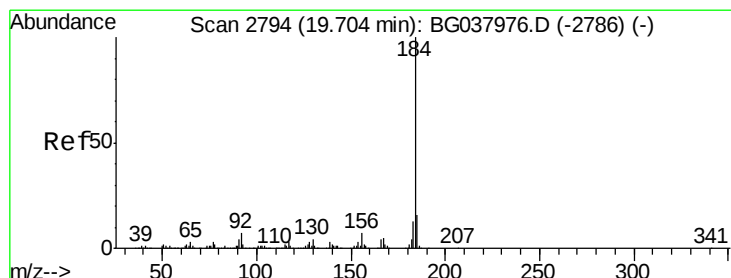
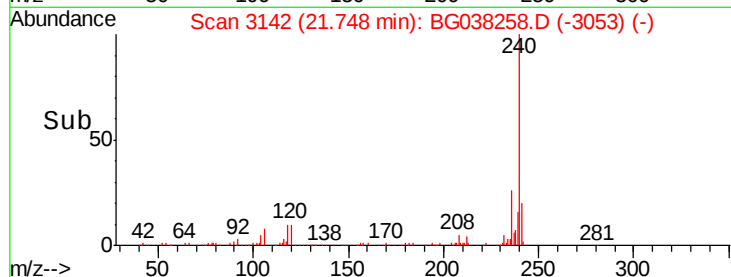
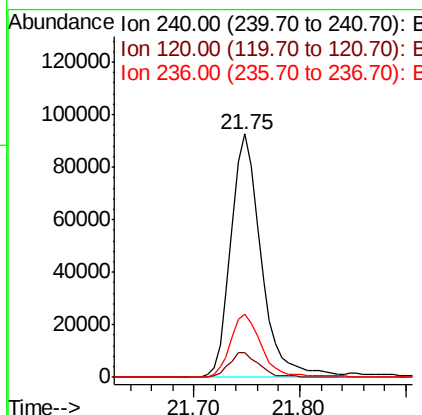
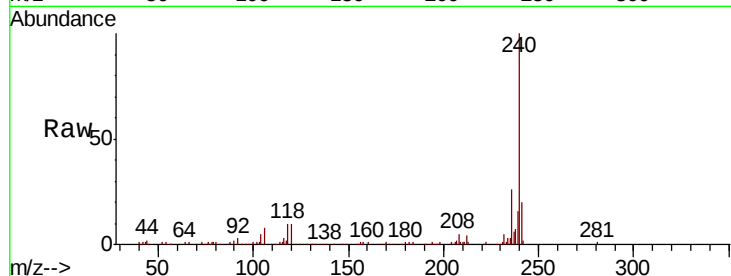




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3142
 Delta R.T. -0.01 min
 Lab File: BG038258.D
 Acq: 30 Nov 2018 15:24

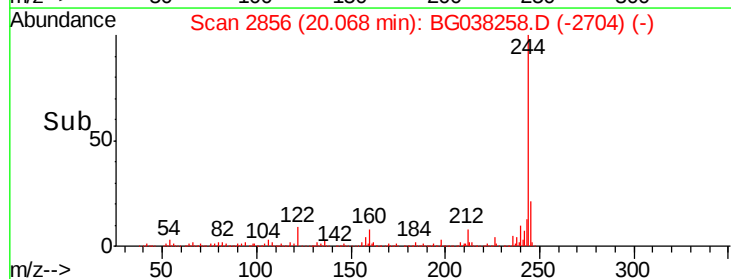
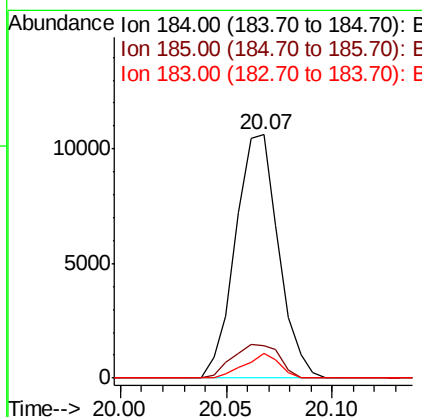
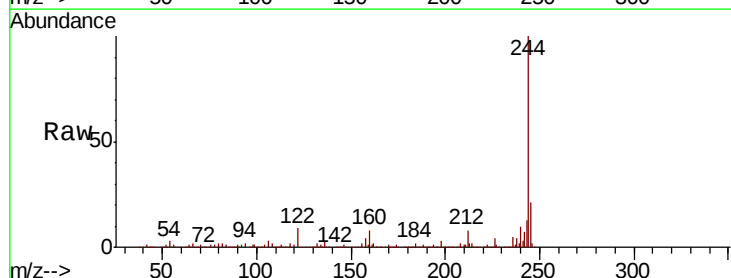
Instrument :
 BNA_G
 ClientSampleId :
 BW-2072-112818

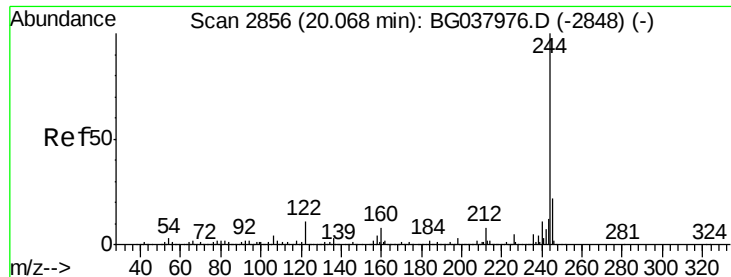
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.1	12.1
236	26.2	21.4	32.0



#77
 Benzidine
 Concen: 2.318 ng
 RT: 20.07 min Scan# 2856
 Delta R.T. 0.36 min
 Lab File: BG038258.D
 Acq: 30 Nov 2018 15:24

Tgt Ion	Ratio	Lower	Upper
184	100		
185	13.4	12.6	18.8
183	10.2	10.2	15.2#





#79

Terphenyl-d14

Concen: 105.295 ng

RT: 20.07 min Scan# 2856

Delta R.T. -0.00 min

Lab File: BG038258.D

Acq: 30 Nov 2018 15:24

Instrument :

BNA_G

ClientSampleId :

BW-2072-112818

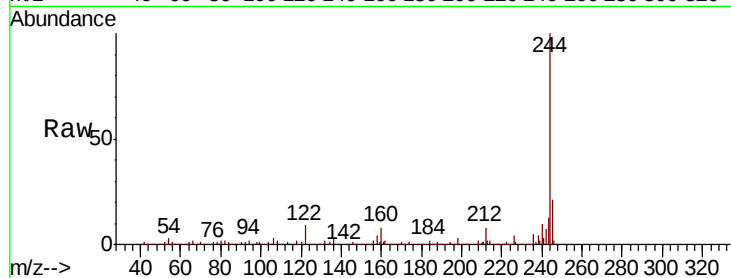
Tot Ion:244 Resp: 824256

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

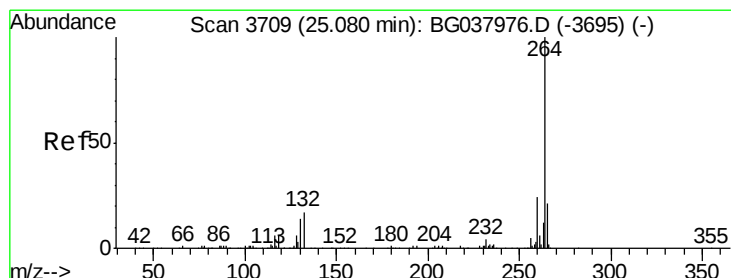
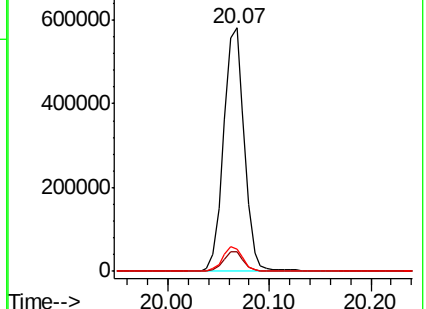
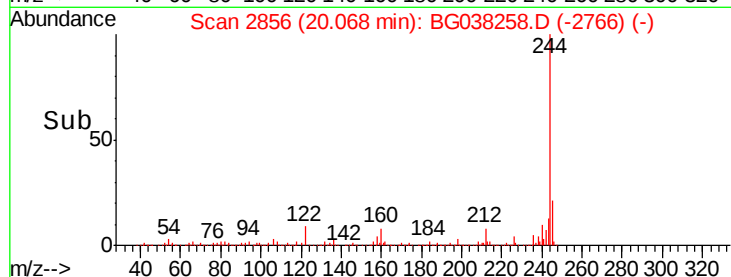
122 9.2 9.0 13.4



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

Perylene-d12

Concen: 20.000 ng

RT: 25.07 min Scan# 3708

Delta R.T. -0.01 min

Lab File: BG038258.D

Acq: 30 Nov 2018 15:24

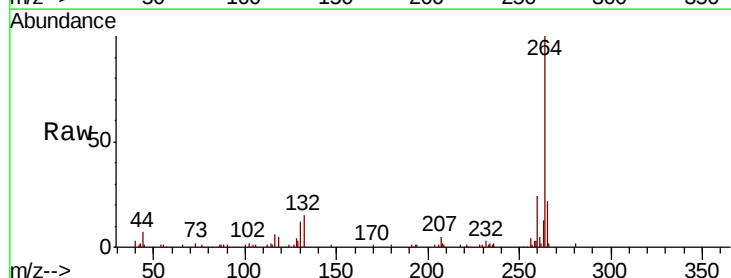
Tgt Ion:264 Resp: 152696

Ion Ratio Lower Upper

264 100

260 23.7 18.2 27.4

265 21.5 17.9 26.9



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

