

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122718\
 Data File : BG038857.D
 Acq On : 27 Dec 2018 23:51
 Operator : JU/SJ
 Sample : J6549-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-9

Quant Time: Dec 28 02:44:15 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	22354	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	98581	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	73757	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	175758	20.00	ng	0.00
76) Chrysene-d12	21.72	240	164418	20.00	ng	-0.01
87) Perylene-d12	25.02	264	181820	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	96584	76.63	ng	0.00
7) Phenol-d6	7.21	99	90643	52.39	ng	0.00
23) Nitrobenzene-d5	9.24	82	184115	95.41	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	187507	184.46	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	554265	103.09	ng	0.00
79) Terphenyl-d14	20.04	244	880665	116.57	ng	0.00

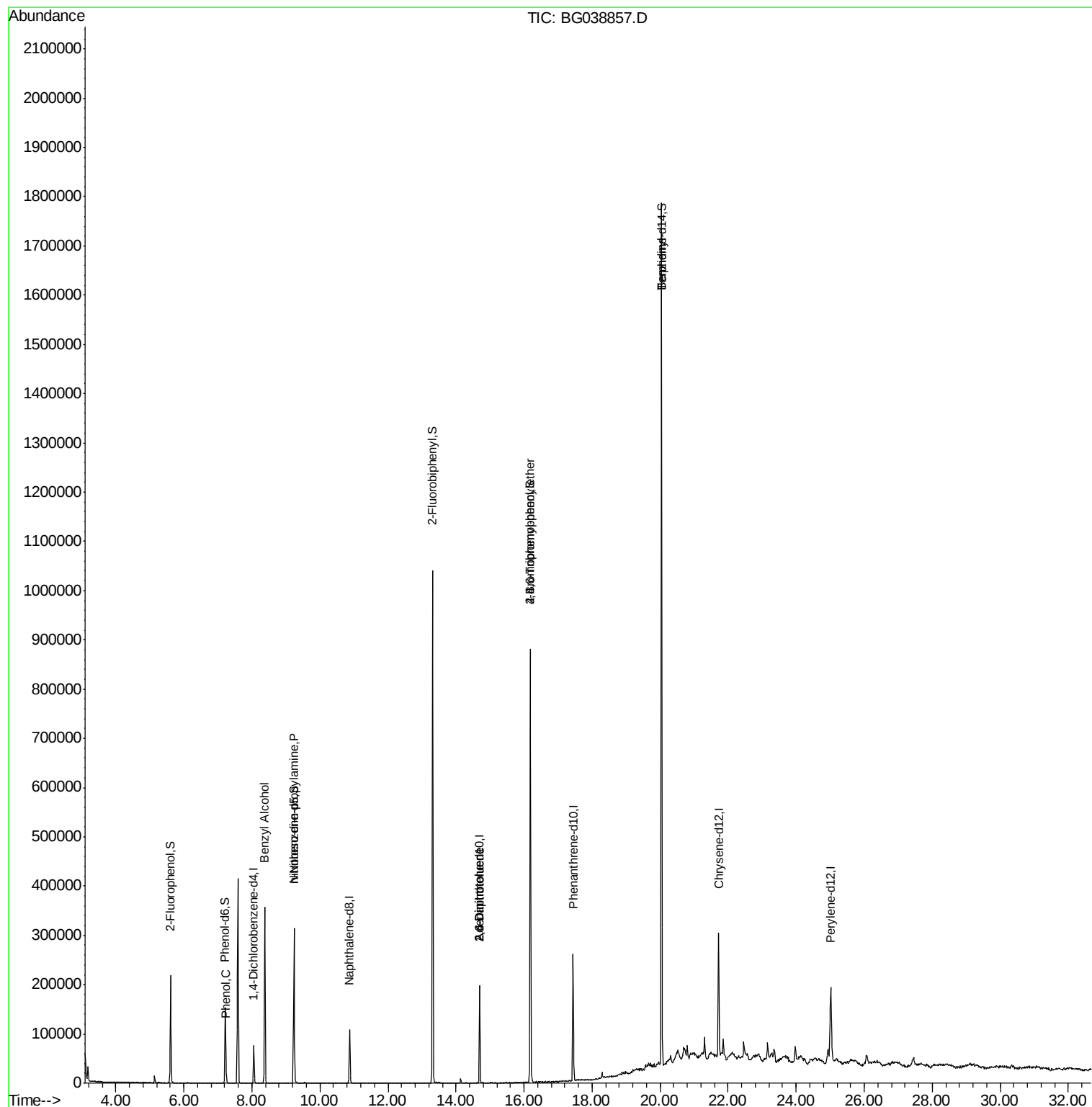
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.24	94	4618	2.512	ng	95
15) Benzyl Alcohol	8.38	79	3033	2.246	ng	# 55
19) n-Nitroso-di-n-propylamine	9.24	70	25124	20.675	ng	# 62
51) 2,6-Dinitrotoluene	14.69	165	9635	7.059	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	9635	5.012	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	12032	5.605	ng	# 1
77) Benzidine	20.04	184	14931	3.071	ng	# 93

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

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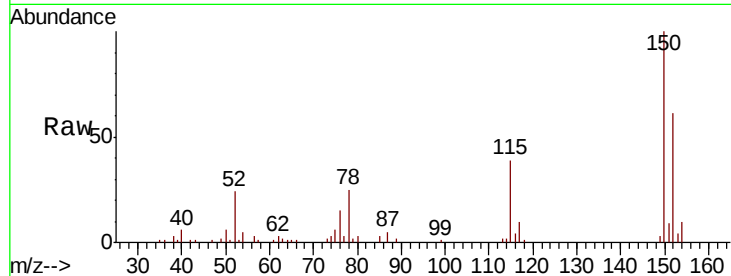


#1

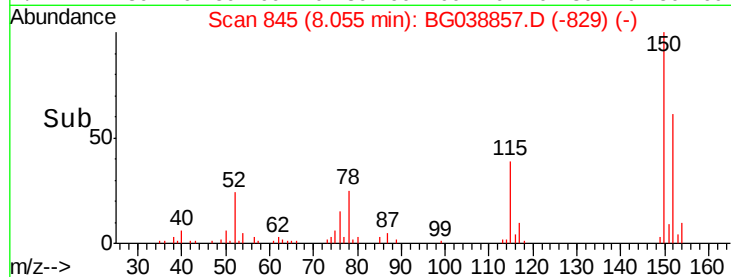
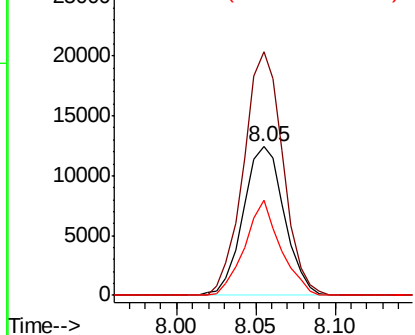
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG038857.D
Acq: 27 Dec 2018 23:51

Instrument :
BNA_G
ClientSampled :
MW-9

Tot Ion:152 Resp: 22354
Ion Ratio Lower Upper
152 100
150 163.9 119.5 179.3
115 64.1 49.6 74.4



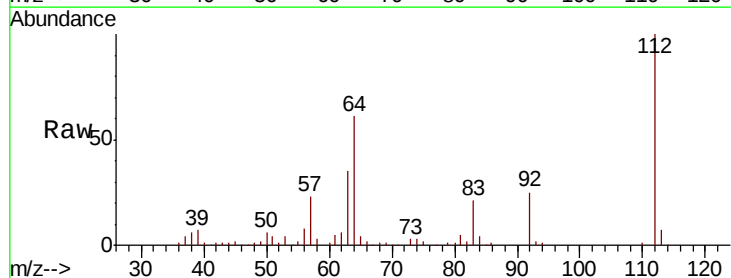
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



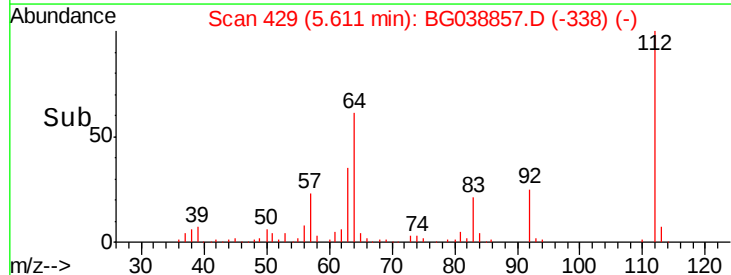
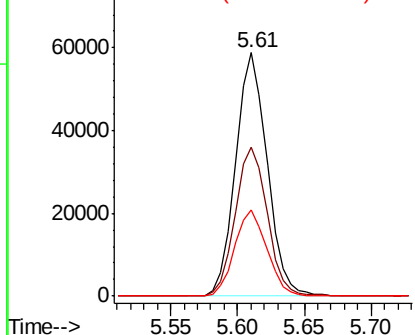
#5

2-Fluorophenol
Concen: 76.633 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038857.D
Acq: 27 Dec 2018 23:51

Tgt Ion:112 Resp: 96584
Ion Ratio Lower Upper
112 100
64 61.1 53.4 80.2
63 35.1 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: 52.389 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038857.D

Acq: 27 Dec 2018 23:51

Instrument :

BNA_G

ClientSampleId :

MW-9

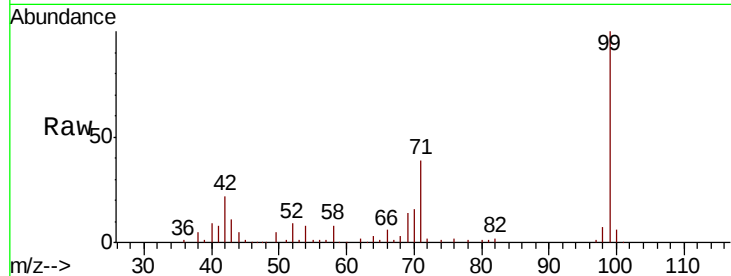
Tot Ion: 99 Resp: 90643

Ion Ratio Lower Upper

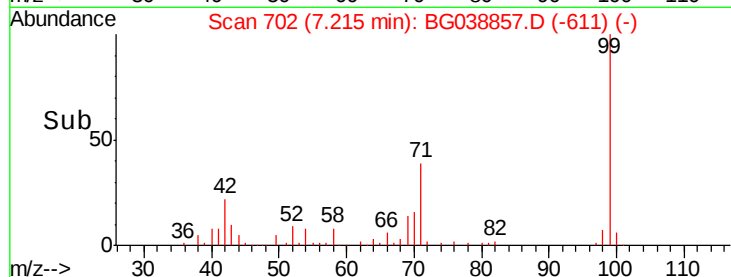
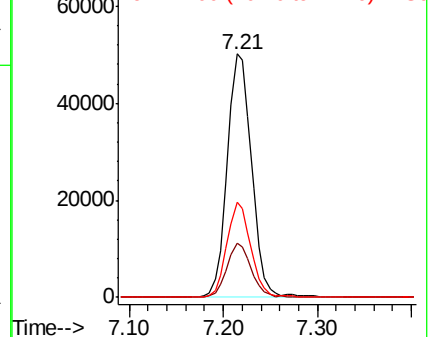
99 100

42 22.3 18.5 27.7

71 38.8 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: 2.512 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.01 min

Lab File: BG038857.D

Acq: 27 Dec 2018 23:51

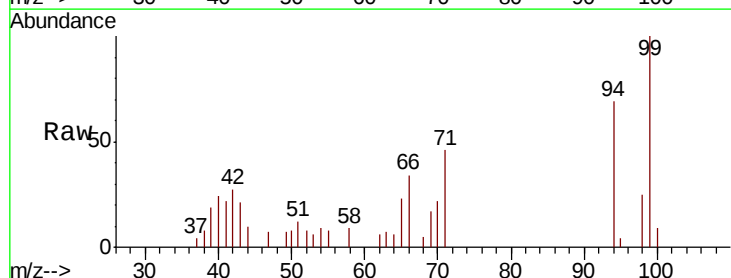
Tgt Ion: 94 Resp: 4618

Ion Ratio Lower Upper

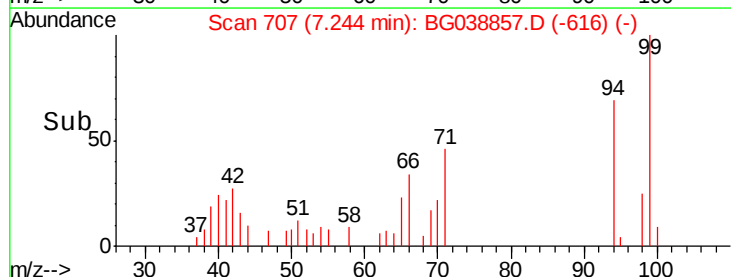
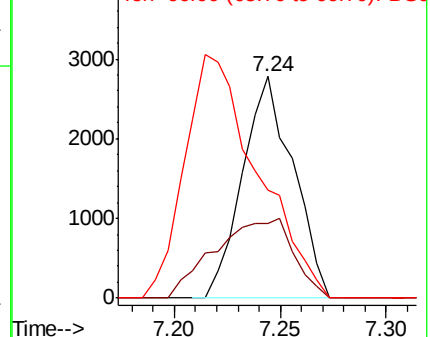
94 100

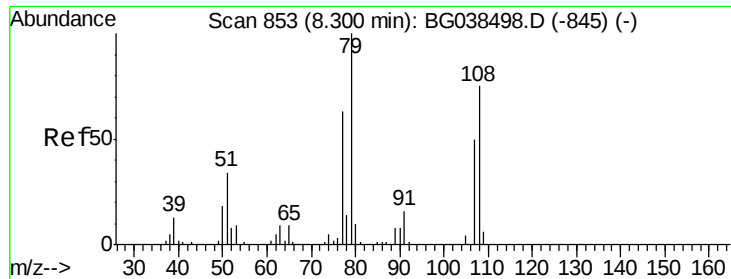
65 33.6 12.6 52.6

66 48.9 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





#15

Benzyl Alcohol

Concen: 2.246 ng

RT: 8.38 min Scan# 900

Delta R.T. 0.08 min

Lab File: BG038857.D

Acq: 27 Dec 2018 23:51

Instrument :

BNA_G

ClientSampleId :

MW-9

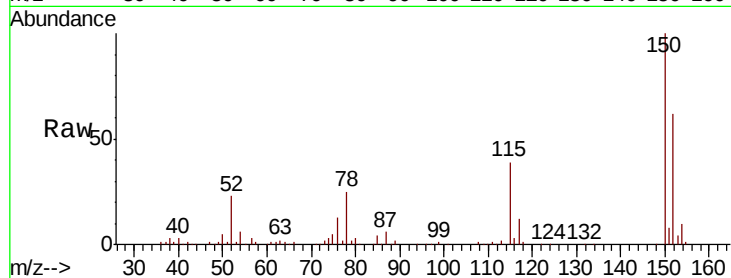
Tot Ion: 79 Resp: 3033

Ion Ratio Lower Upper

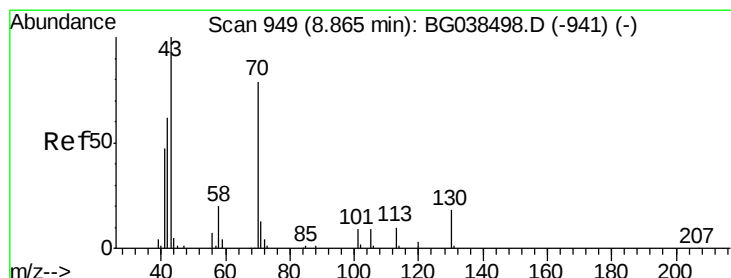
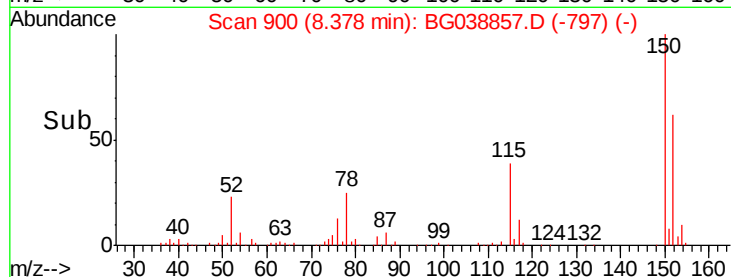
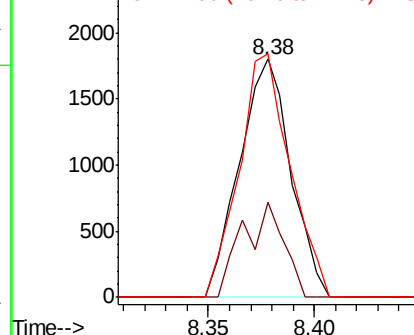
79 100

108 39.7 60.2 90.4#

77 102.2 50.7 76.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 20.675 ng

RT: 9.24 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038857.D

Acq: 27 Dec 2018 23:51

Tgt Ion: 70 Resp: 25124

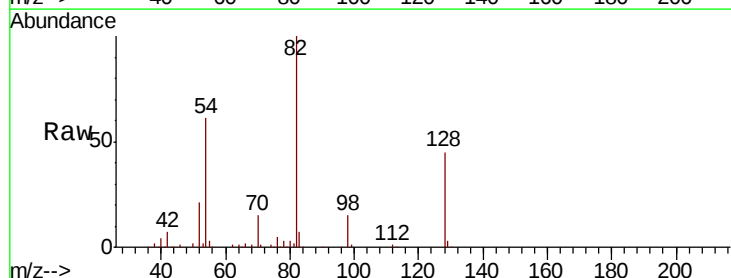
Ion Ratio Lower Upper

70 100

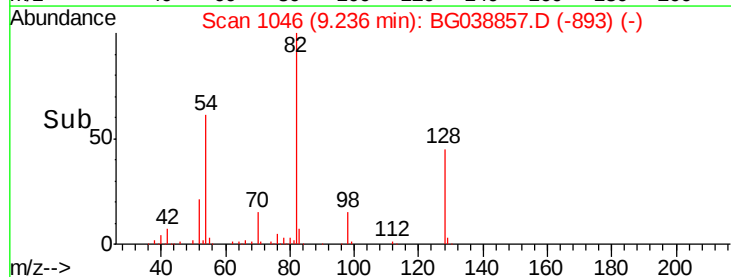
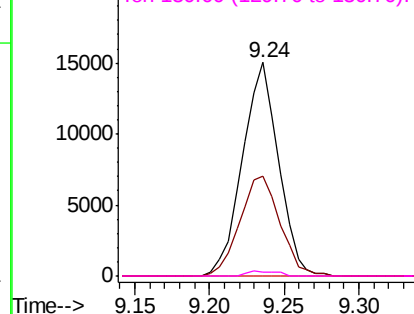
42 46.7 63.6 95.4#

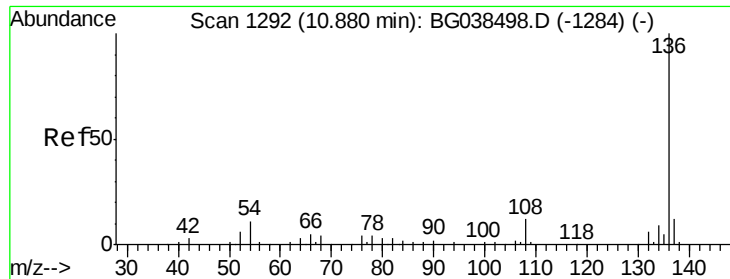
101 0.0 9.2 13.8#

130 1.7 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

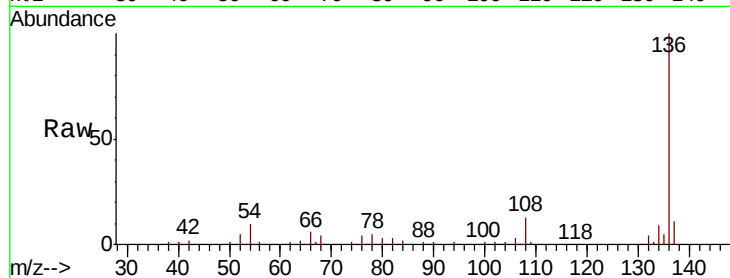




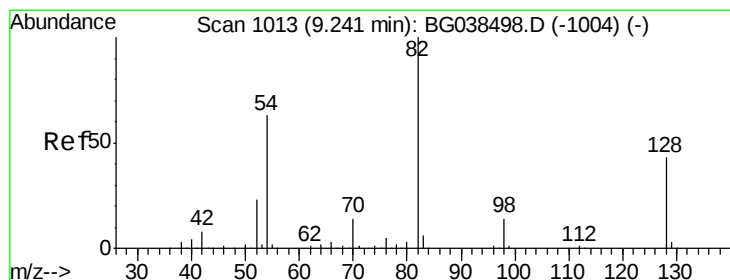
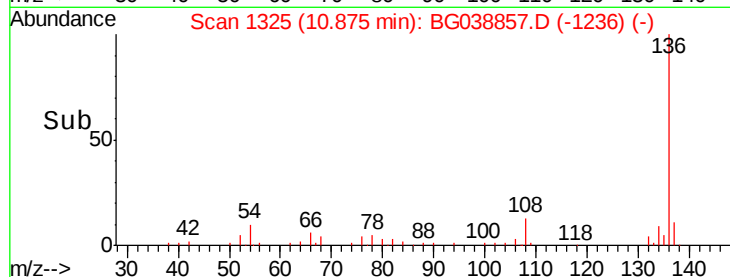
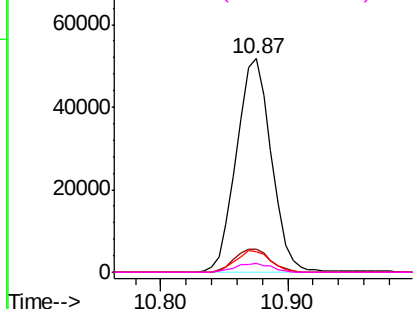
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BG038857.D
Acq: 27 Dec 2018 23:51

Instrument :
BNA_G
ClientSampleId :
MW-9

Tot Ion:136	Resp:	98581
Ion	Ratio	Lower Upper
136	100	
137	10.7	9.3 13.9
54	10.2	8.5 12.7
68	4.4	3.5 5.3

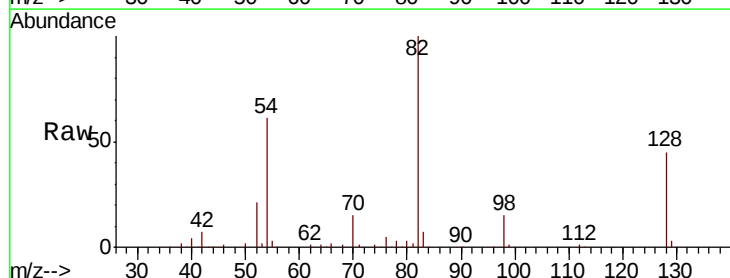


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

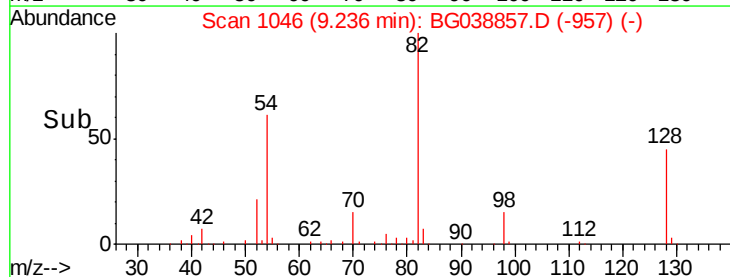
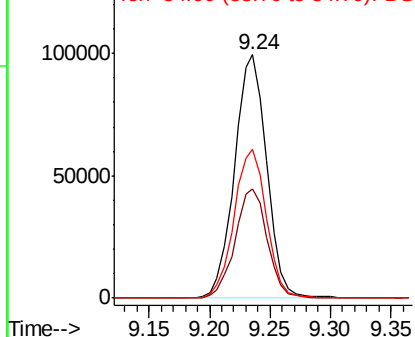


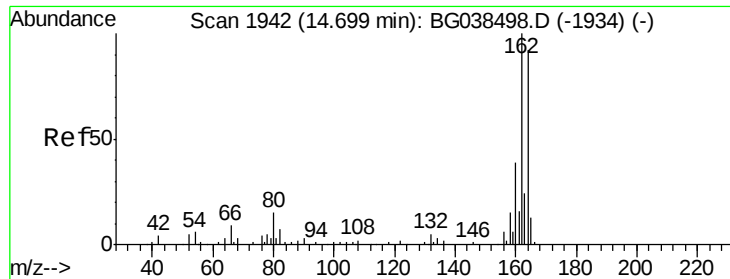
#23
Nitrobenzene-d5
Concen: 95.413 ng
RT: 9.24 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BG038857.D
Acq: 27 Dec 2018 23:51

Tgt Ion: 82	Resp:	184115
Ion	Ratio	Lower Upper
82	100	
128	44.9	34.6 52.0
54	61.3	50.6 76.0



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.00 min

Lab File: BG038857.D

Acq: 27 Dec 2018 23:51

Instrument :

BNA_G

ClientSampleId :

MW-9

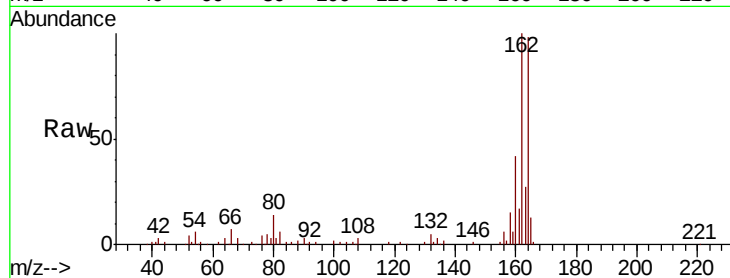
Tot Ion:164 Resp: 73757

Ion Ratio Lower Upper

164 100

162 101.7 86.6 130.0

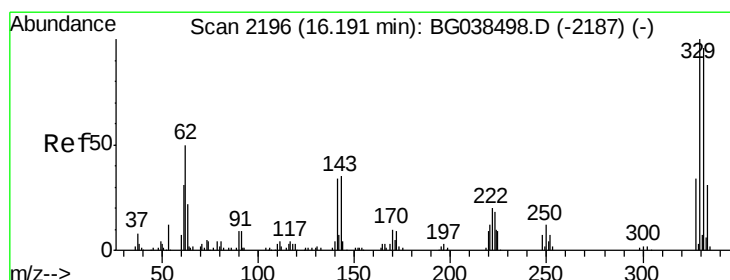
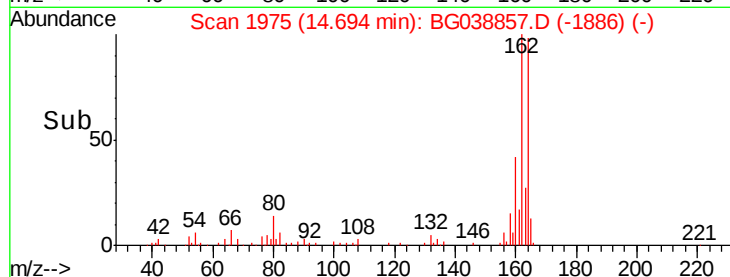
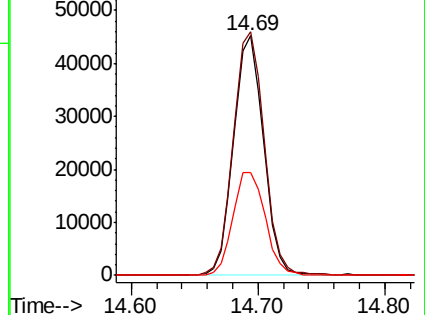
160 43.2 34.2 51.2



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: 184.463 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG038857.D

Acq: 27 Dec 2018 23:51

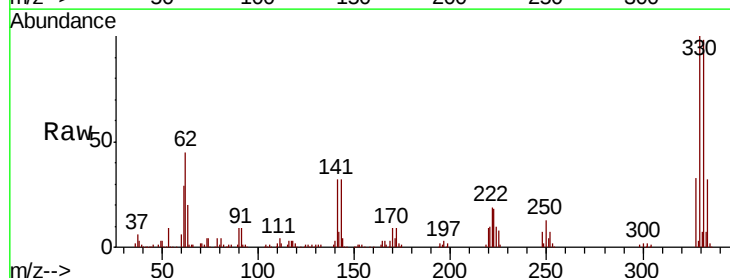
Tgt Ion:330 Resp: 187507

Ion Ratio Lower Upper

330 100

332 96.8 76.9 115.3

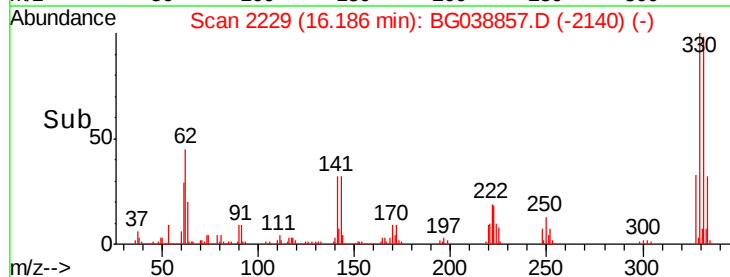
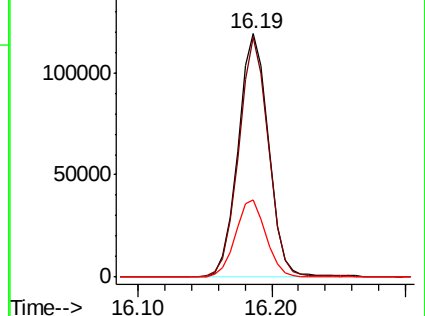
141 31.8 28.8 43.2

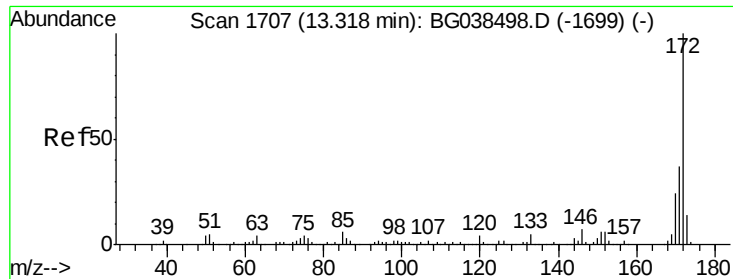


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

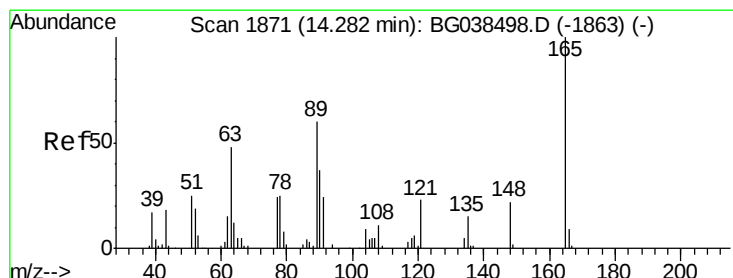
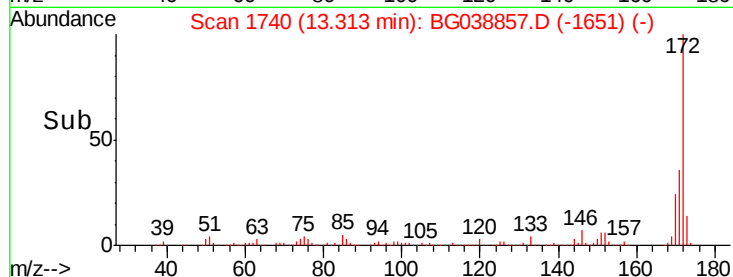
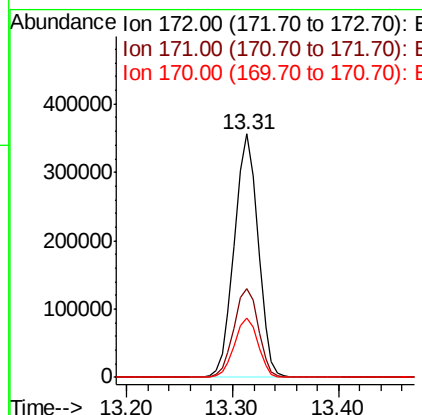
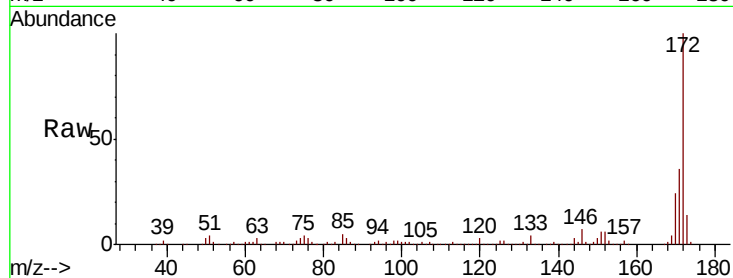




#45
 2-Fluorobiphenyl
 Concen: 103.091 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: BG038857.D
 Acq: 27 Dec 2018 23:51

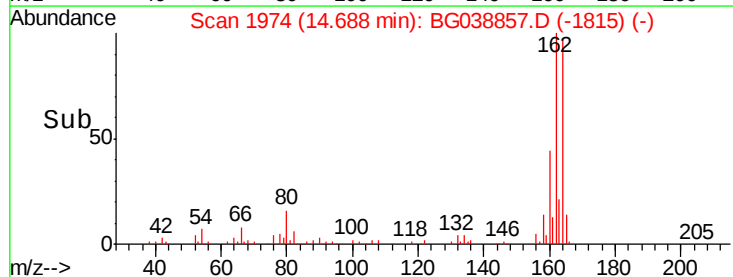
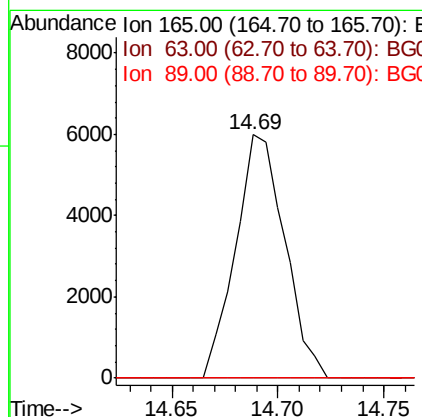
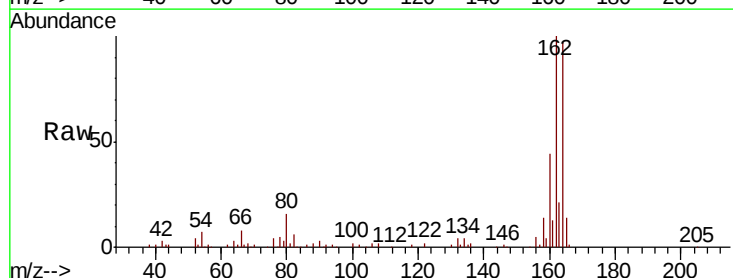
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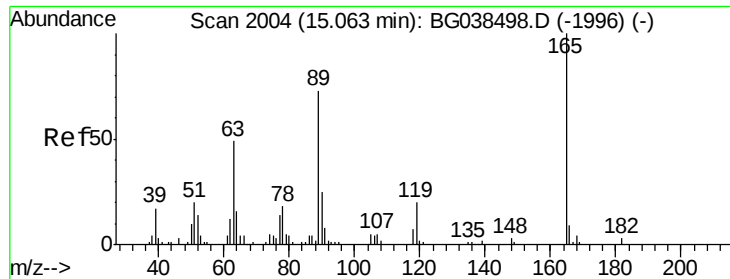
Tot Ion:172 Resp: 554265
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.8 44.6
 170 24.5 19.5 29.3



#51
 2,6-Dinitrotoluene
 Concen: 7.059 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.41 min
 Lab File: BG038857.D
 Acq: 27 Dec 2018 23:51

Tgt Ion:165 Resp: 9635
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.6#
 89 0.0 47.9 71.9#

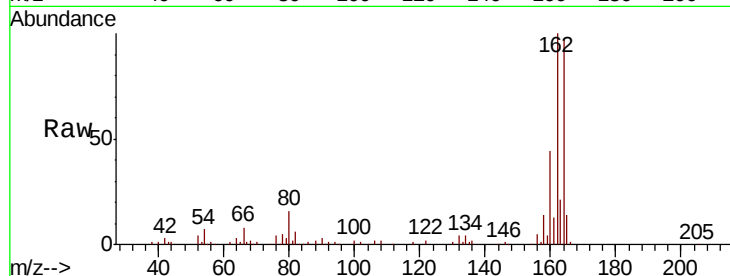




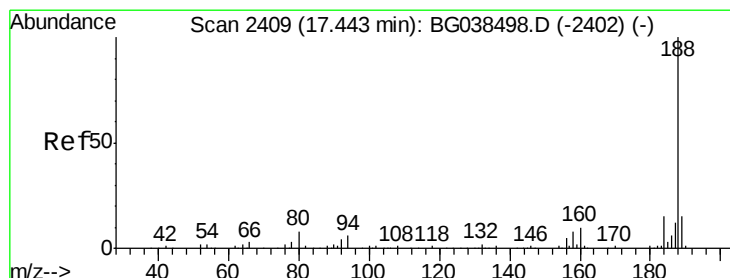
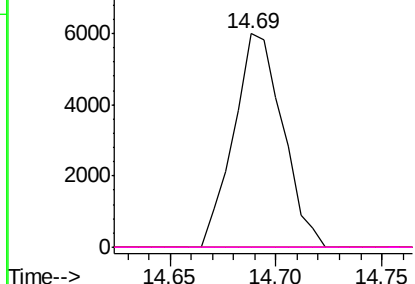
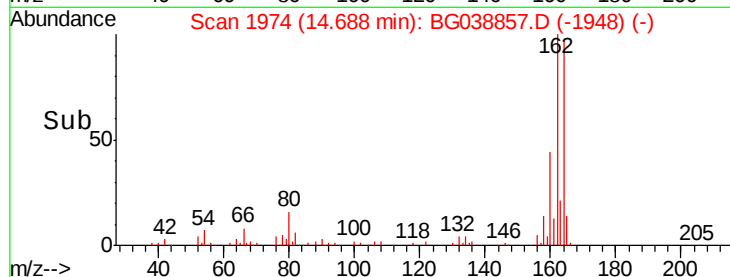
#57
 2,4-Dinitrotoluene
 Concen: 5.012 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.38 min
 Lab File: BG038857.D
 Acq: 27 Dec 2018 23:51

Instrument :
 BNA_G
 ClientSampleId :
 MW-9

Tot Ion:165 Resp: 9635
 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#

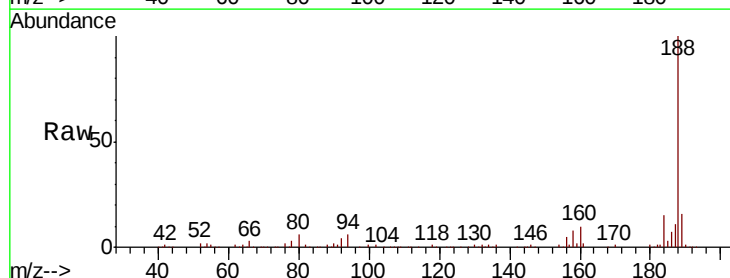


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

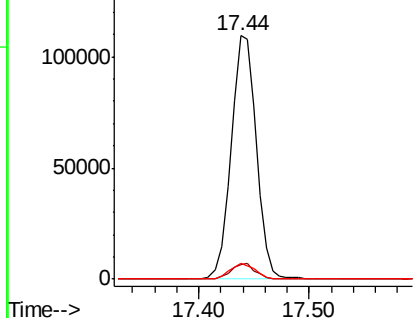
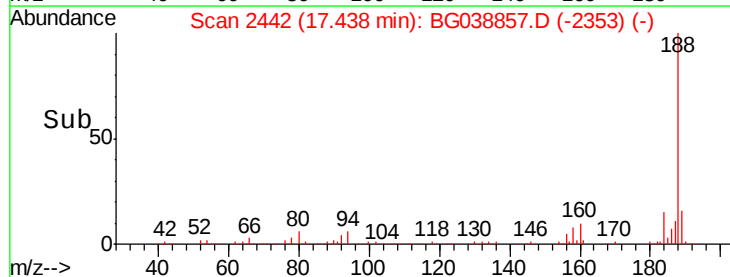


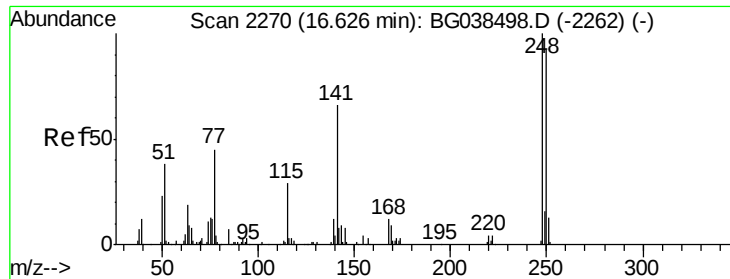
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2442
 Delta R.T. -0.00 min
 Lab File: BG038857.D
 Acq: 27 Dec 2018 23:51

Tgt Ion:188 Resp: 175758
 Ion Ratio Lower Upper
 188 100
 94 5.8 5.1 7.7
 80 6.4 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

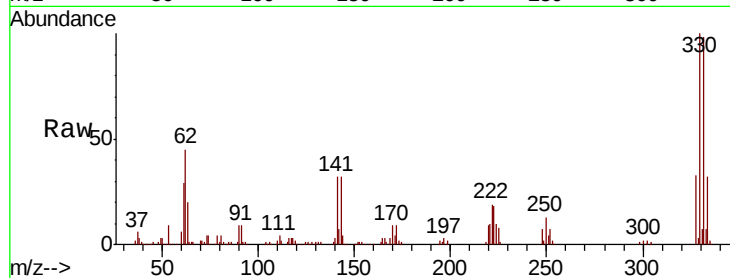




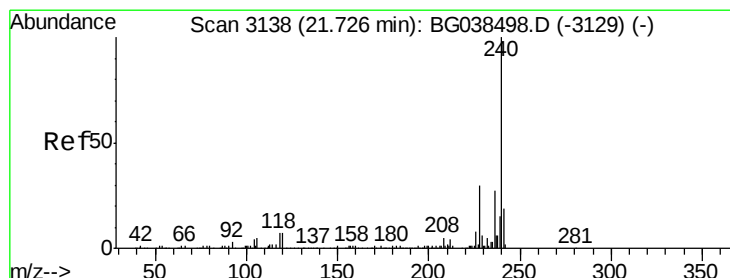
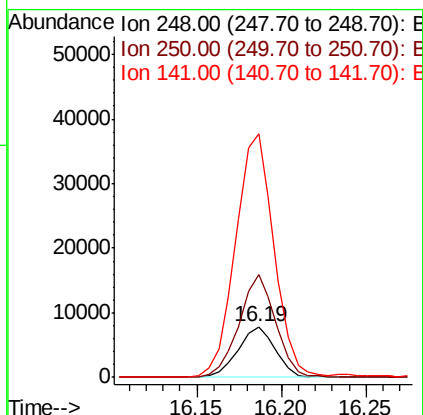
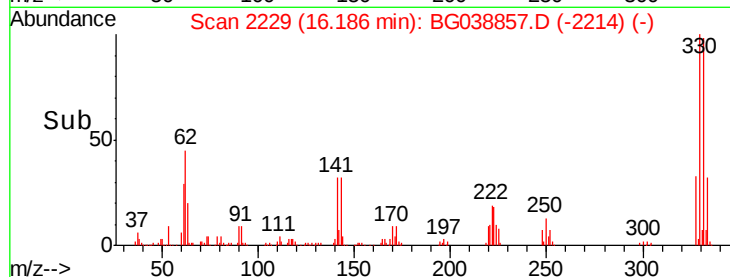
#67
 4-Bromophenyl-phenylether
 Concen: 5.605 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038857.D
 Acq: 27 Dec 2018 23:51

Instrument :
 BNA_G
 ClientSampleId :
 MW-9

Tot Ion:248 Resp: 12032
 Ion Ratio Lower Upper
 248 100
 250 197.7 73.4 110.2#
 141 362.1 52.9 79.3#

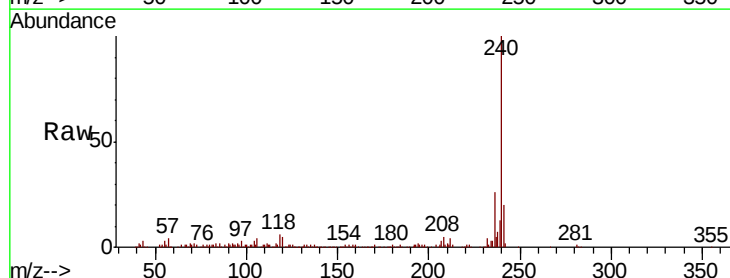


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

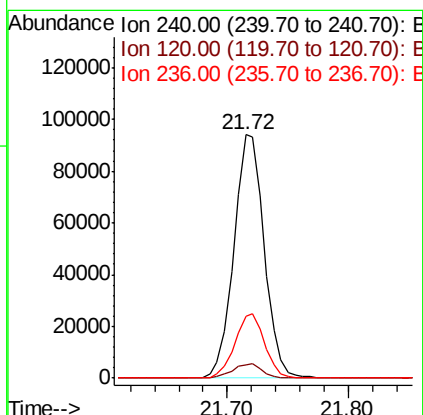
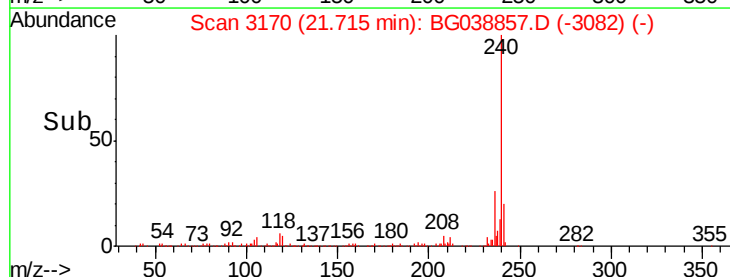


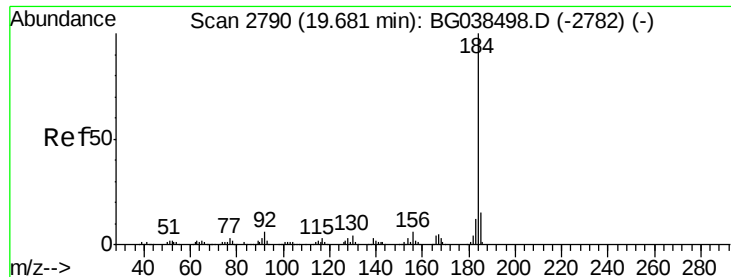
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3170
 Delta R.T. -0.01 min
 Lab File: BG038857.D
 Acq: 27 Dec 2018 23:51

Tgt Ion:240 Resp: 164418
 Ion Ratio Lower Upper
 240 100
 120 5.5 5.3 7.9
 236 25.6 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: 3.071 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.36 min

Lab File: BG038857.D

Acq: 27 Dec 2018 23:51

Instrument :

BNA_G

ClientSampleId :

MW-9

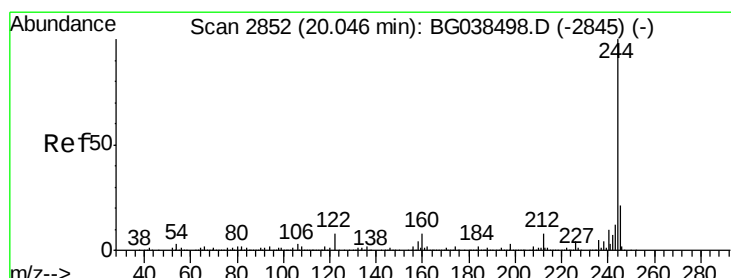
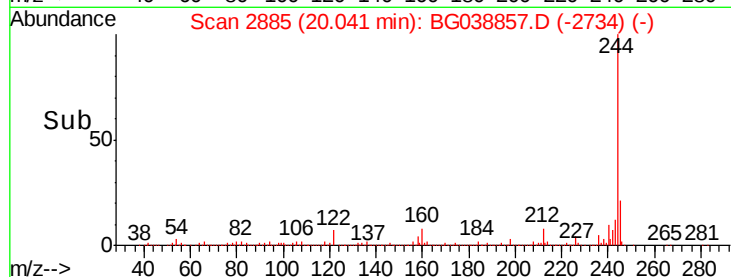
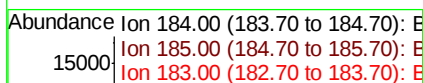
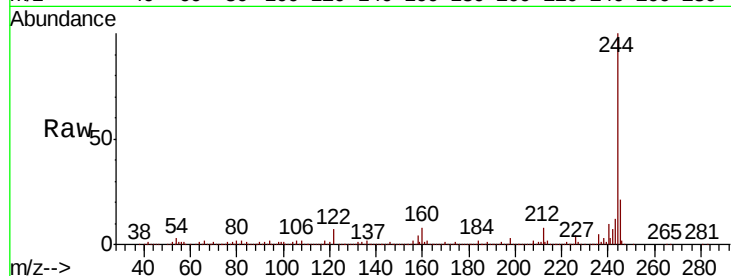
Tot Ion:184 Resp: 14931

Ion Ratio Lower Upper

184 100

185 18.3 12.2 18.2#

183 9.1 9.6 14.4#



#79

Terphenyl-d14

Concen: 116.570 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BG038857.D

Acq: 27 Dec 2018 23:51

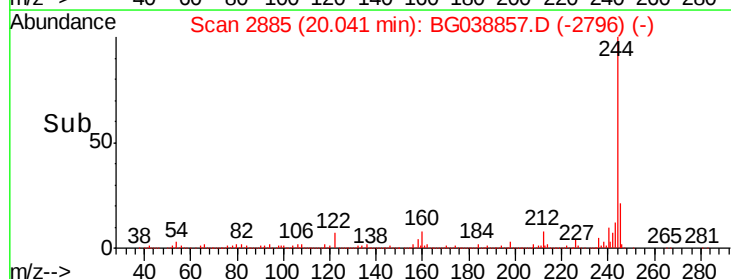
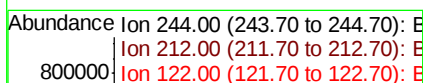
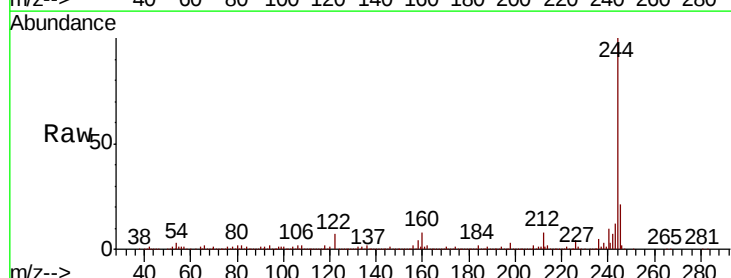
Tgt Ion:244 Resp: 880665

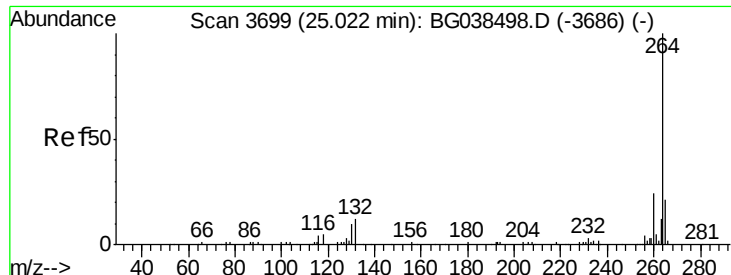
Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

122 6.8 6.3 9.5





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.02 min Scan# 3732
 Delta R.T. -0.00 min
 Lab File: BG038857.D
 Acq: 27 Dec 2018 23:51

Instrument :
 BNA_G
 ClientSampleId :
 MW-9

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.9	28.3
265	21.9	17.0	25.4

