

Data File : BG038818.D
Acq On : 22 Dec 2018 15:15
Operator : JU/SJ
Sample : J6200-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TR-05-122018

Quant Time: Dec 24 03:56:18 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	8.06	152	29835	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	130258	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	87363	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	200531	20.00	ng	0.00
76) Chrysene-d12	21.72	240	191508	20.00	ng	0.00
87) Perylene-d12	25.03	264	202182	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	231233	137.47	ng	0.01
7) Phenol-d6	7.22	99	298358	129.20	ng	0.02
23) Nitrobenzene-d5	9.24	82	234529	91.98	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	171285	142.26	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	633717	99.51	ng	0.00
79) Terphenyl-d14	20.05	244	1013970	115.23	ng	0.00

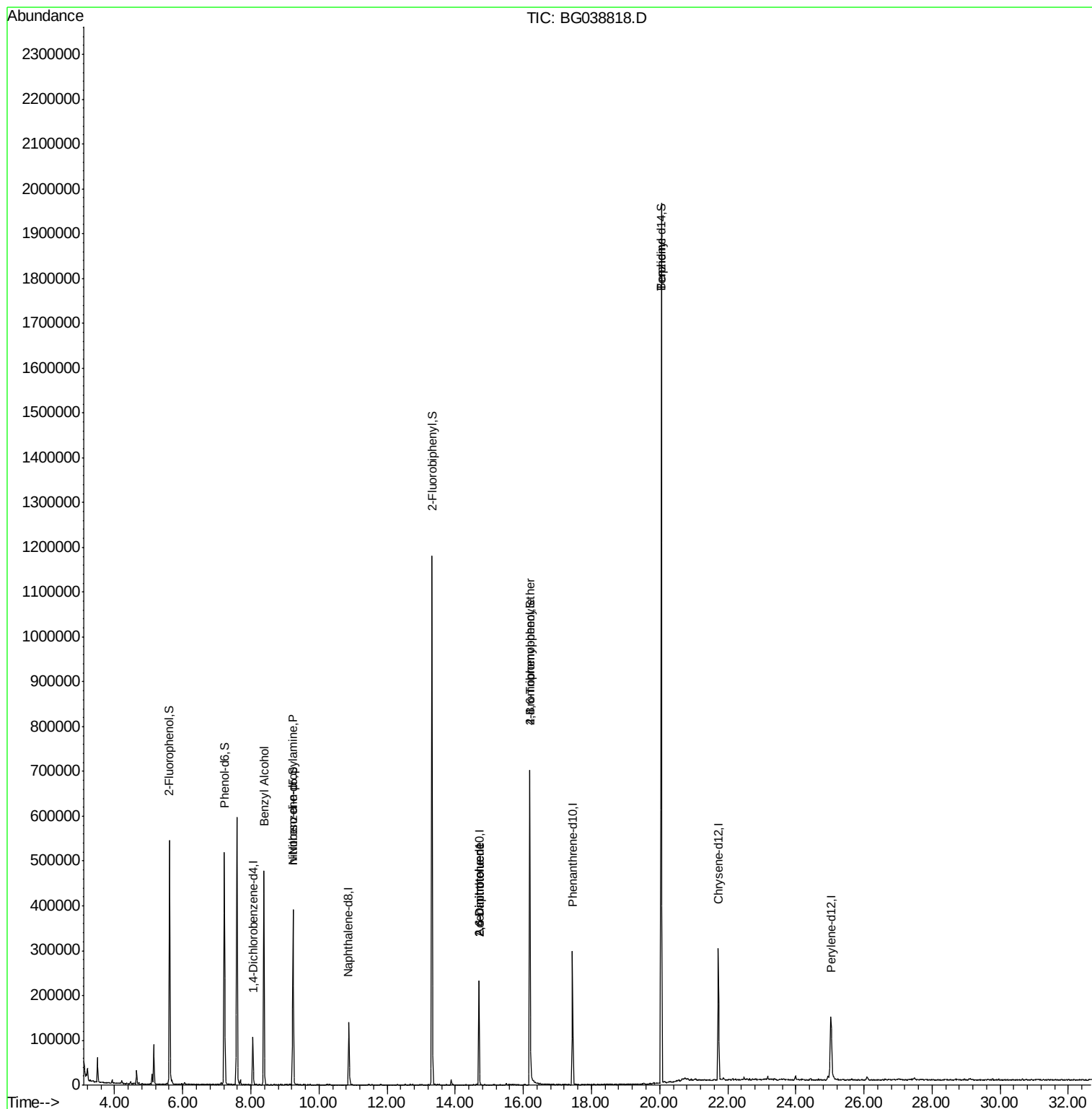
Target Compounds				Qvalue		
15) Benzyl Alcohol	8.38	79	4016	2.228	ng	# 45
19) n-Nitroso-di-n-propylamine	9.24	70	31395	19.357	ng	# 68
51) 2,6-Dinitrotoluene	14.69	165	11770	7.280	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	11770	5.169	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	11033	4.505	ng	# 1
77) Benzidine	20.04	184	16731	2.954	ng	# 94

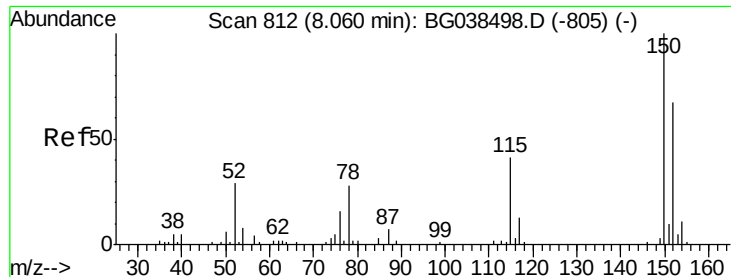
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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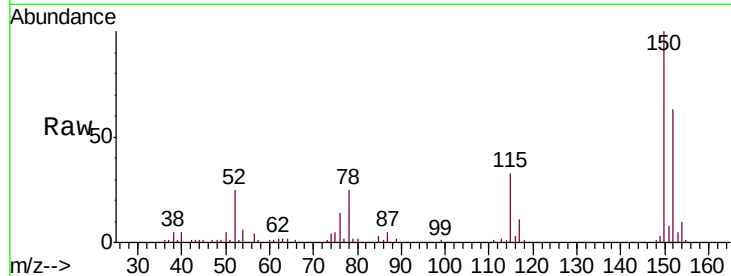




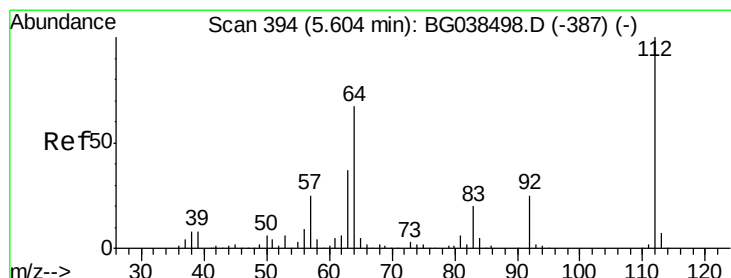
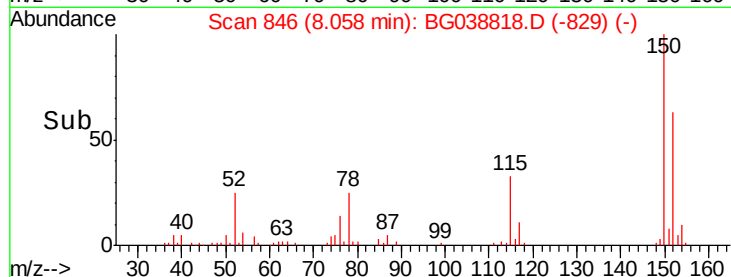
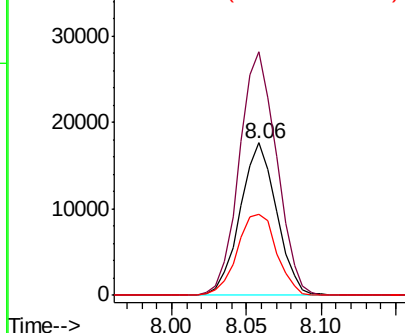
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: BG038818.D
 Acq: 22 Dec 2018 15:15

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-122018

Tgt Ion:152 Resp: 29835
 Ion Ratio Lower Upper
 152 100
 150 159.9 119.5 179.3
 115 53.1 49.6 74.4

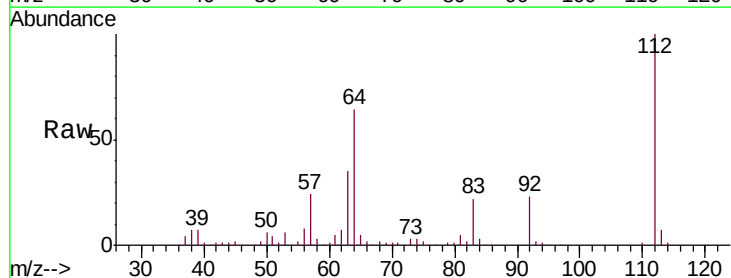


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

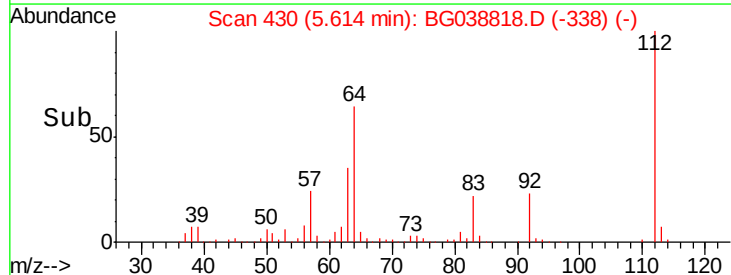
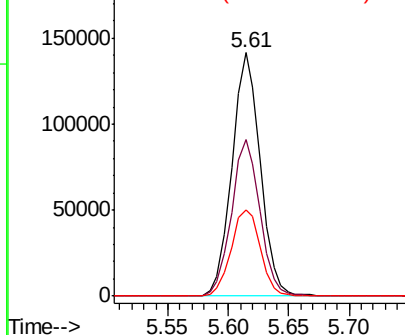


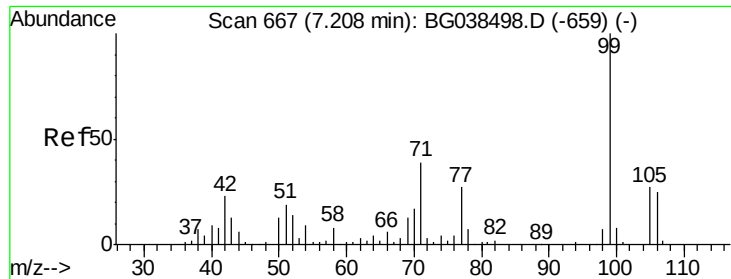
#5
 2-Fluorophenol
 Concen: 137.465 ng
 RT: 5.61 min Scan# 430
 Delta R.T. 0.01 min
 Lab File: BG038818.D
 Acq: 22 Dec 2018 15:15

Tgt Ion:112 Resp: 231233
 Ion Ratio Lower Upper
 112 100
 64 64.4 53.4 80.2
 63 35.3 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: 129.202 ng

RT: 7.22 min Scan# 704

Delta R.T. 0.02 min

Lab File: BG038818.D

Acq: 22 Dec 2018 15:15

Instrument :

BNA_G

ClientSampleId :

TR-05-122018

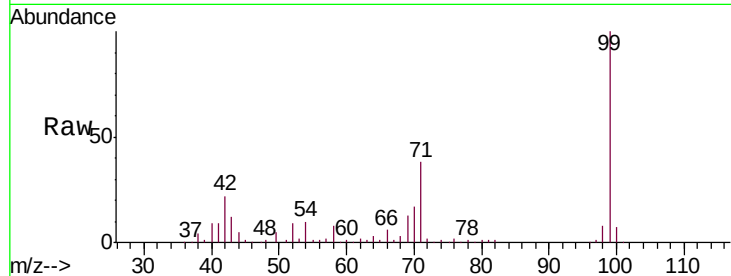
Tgt Ion: 99 Resp: 298358

Ion Ratio Lower Upper

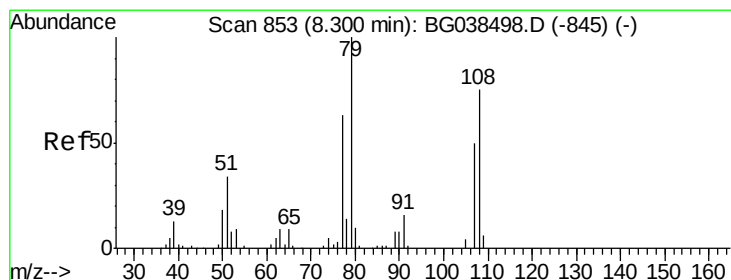
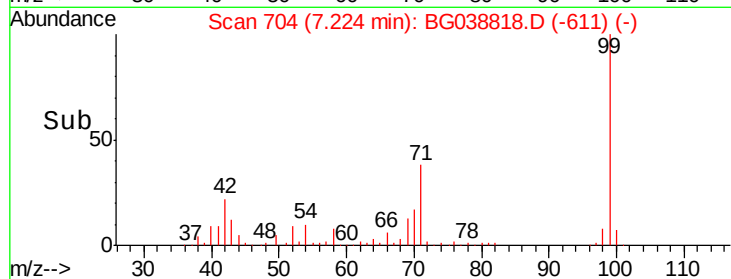
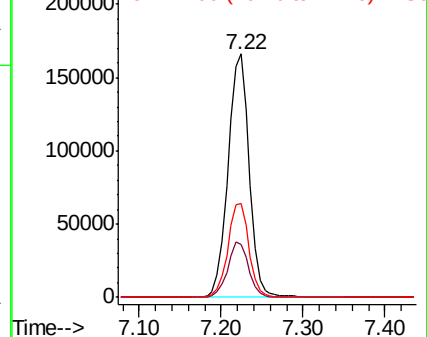
99 100

42 21.8 18.5 27.7

71 38.4 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



#15

Benzyl Alcohol

Concen: 2.228 ng

RT: 8.38 min Scan# 901

Delta R.T. 0.08 min

Lab File: BG038818.D

Acq: 22 Dec 2018 15:15

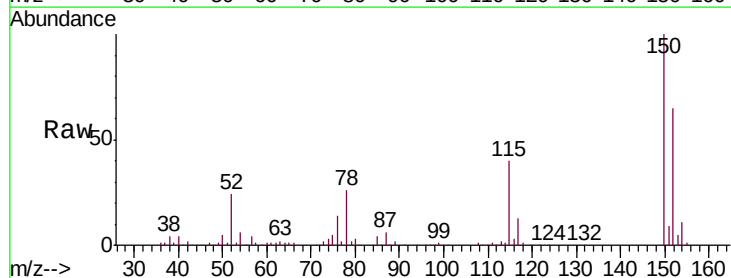
Tgt Ion: 79 Resp: 4016

Ion Ratio Lower Upper

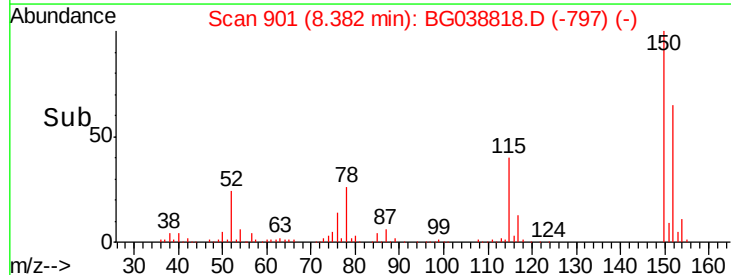
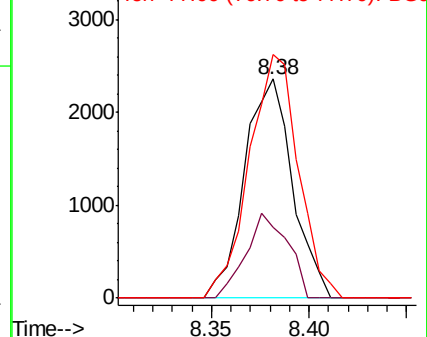
79 100

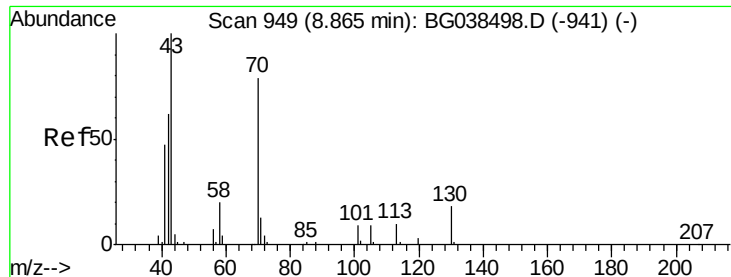
108 32.2 60.2 90.4#

77 111.1 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

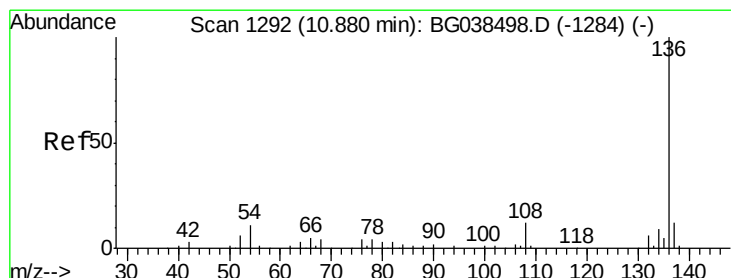
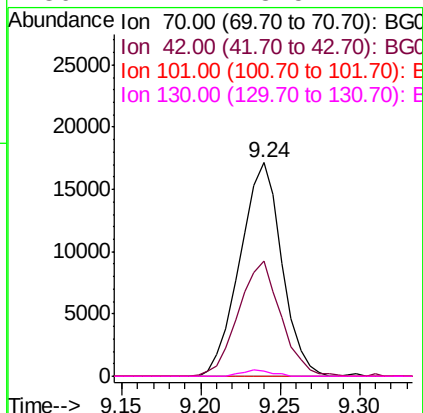
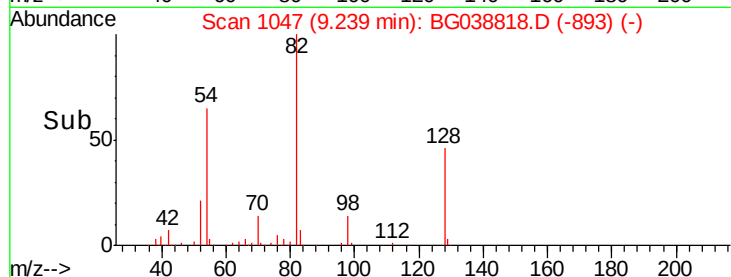
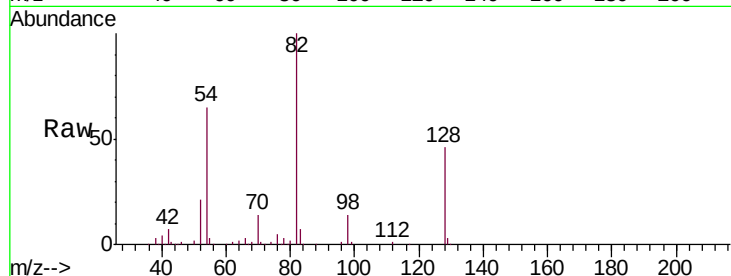




#19
n-Nitroso-di-n-propylamine
Concen: 19.357 ng
RT: 9.24 min Scan# 1047
Delta R.T. 0.37 min
Lab File: BG038818.D
Acq: 22 Dec 2018 15:15

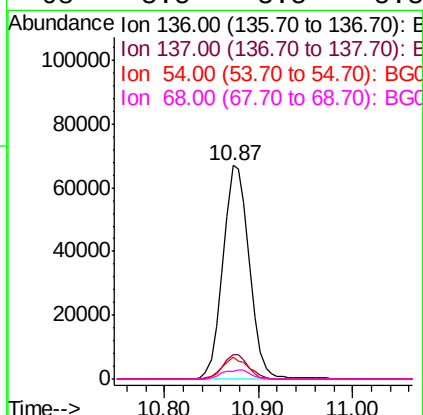
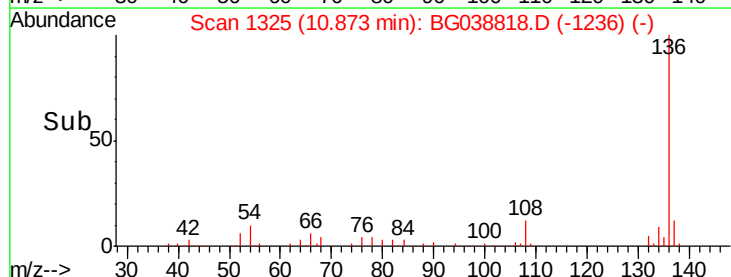
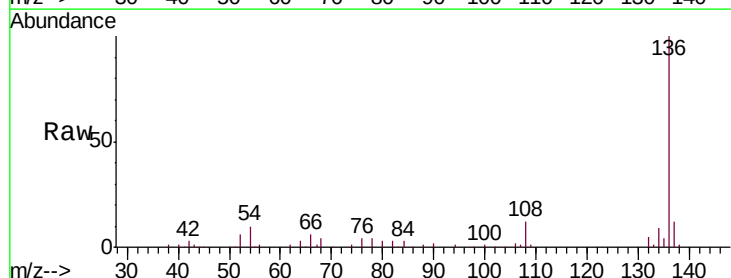
Instrument :
BNA_G
ClientSampleId :
TR-05-122018

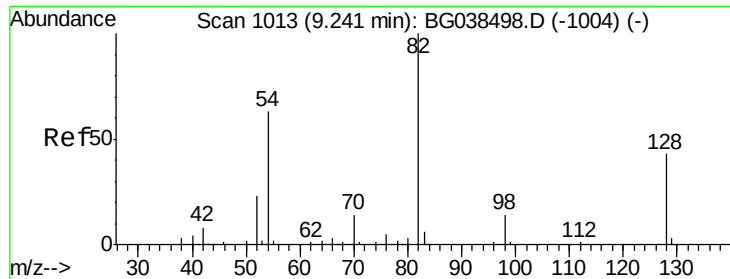
Tgt Ion: 70 Resp: 31395
Ion Ratio Lower Upper
70 100
42 53.8 63.6 95.4#
101 0.0 9.2 13.8#
130 2.2 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038818.D
Acq: 22 Dec 2018 15:15

Tgt Ion: 136 Resp: 130258
Ion Ratio Lower Upper
136 100
137 11.6 9.3 13.9
54 10.1 8.5 12.7
68 3.5 3.5 5.3#

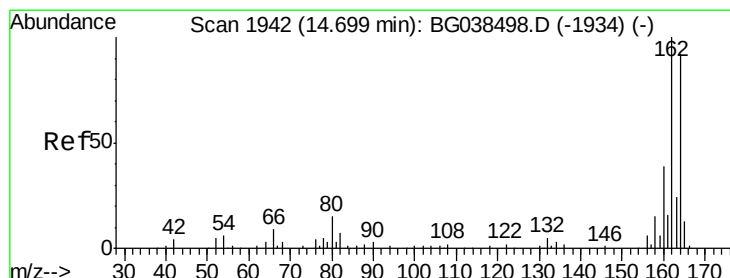
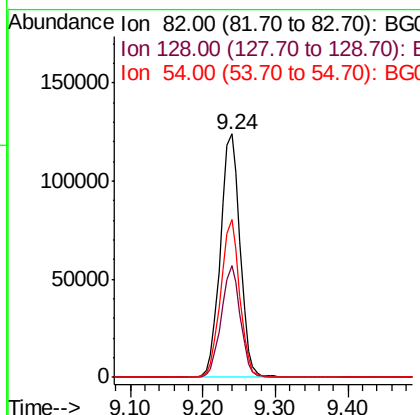
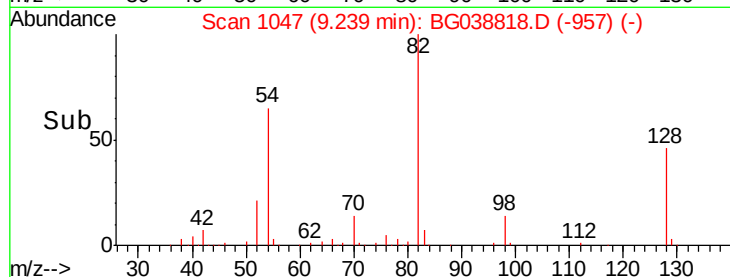
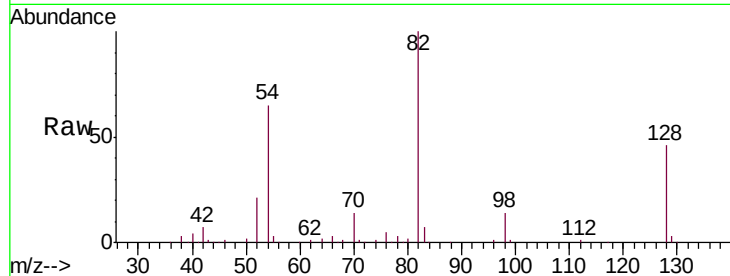




#23
 Nitrobenzene-d5
 Concen: 91.982 ng
 RT: 9.24 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: BG038818.D
 Acq: 22 Dec 2018 15:15

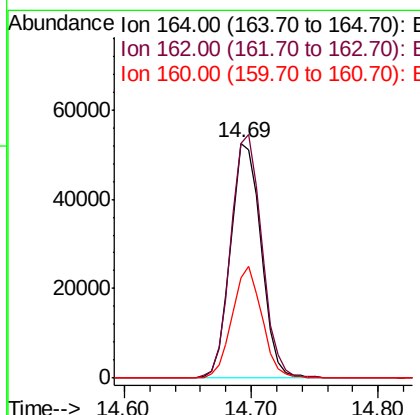
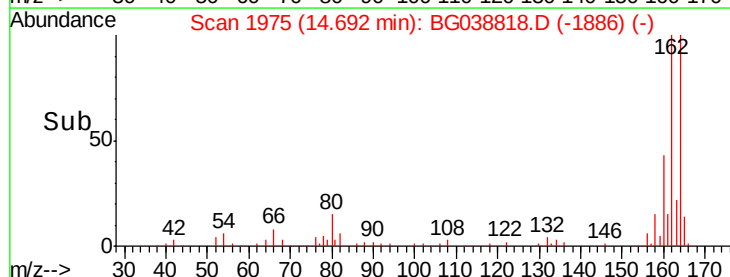
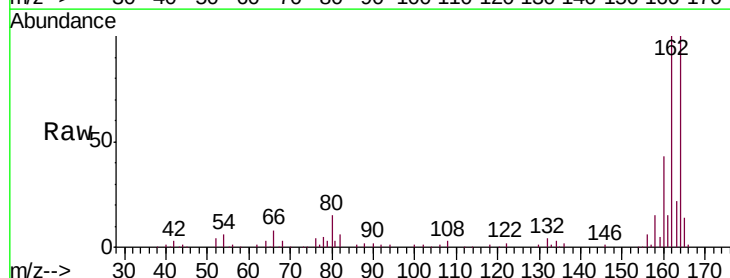
Instrument :
 BNA_G
 ClientSampleId :
 TR-05-122018

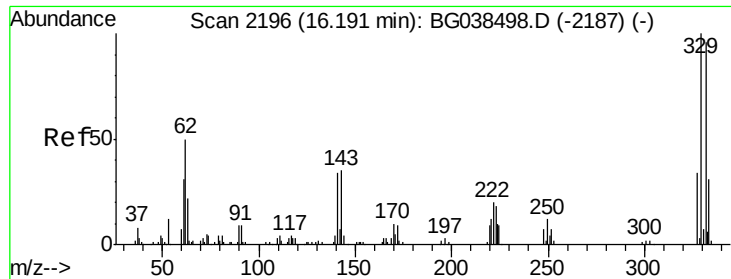
Tgt Ion: 82 Resp: 234529
 Ion Ratio Lower Upper
 82 100
 128 45.9 34.6 52.0
 54 65.0 50.6 76.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.01 min
 Lab File: BG038818.D
 Acq: 22 Dec 2018 15:15

Tgt Ion: 164 Resp: 87363
 Ion Ratio Lower Upper
 164 100
 162 99.6 86.6 130.0
 160 42.8 34.2 51.2

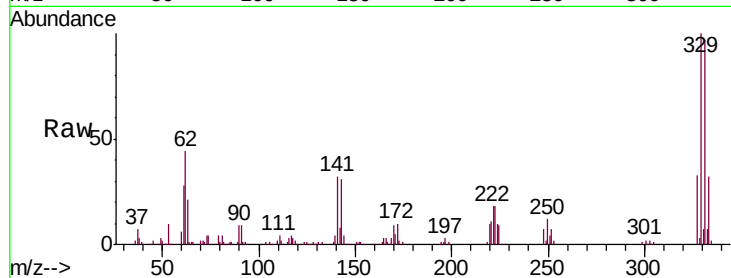




#42
 2,4,6-Tribromophenol
 Concen: 142.261 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. -0.00 min
 Lab File: BG038818.D
 Acq: 22 Dec 2018 15:15

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-122018

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.9	115.3
141	31.9	28.8	43.2

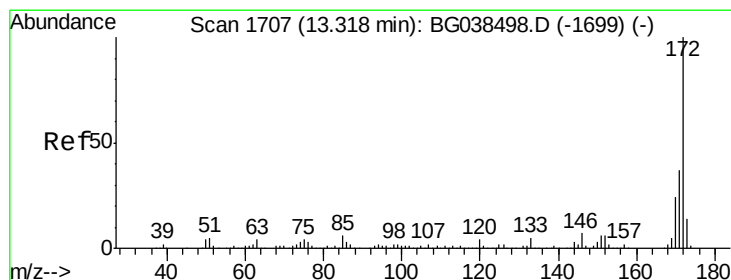
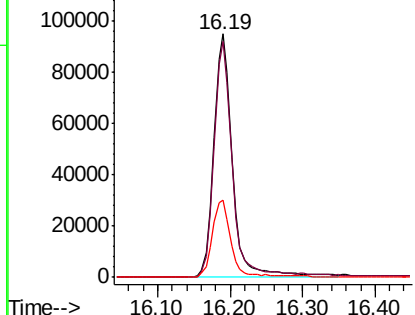
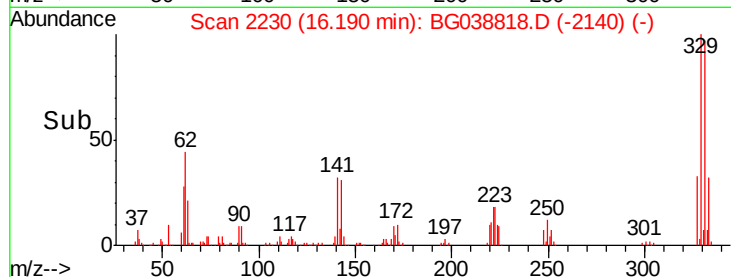


Abundance

Ion 329.80 (329.50 to 330.50): E

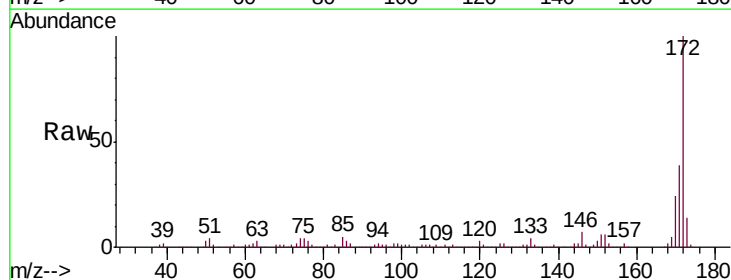
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 99.512 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG038818.D
 Acq: 22 Dec 2018 15:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.6	29.8	44.6
170	24.5	19.5	29.3

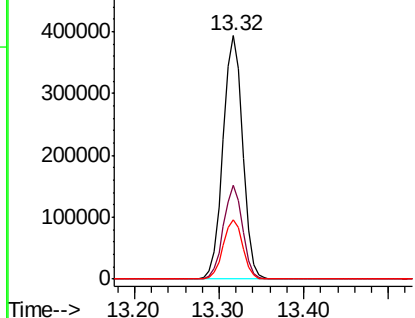
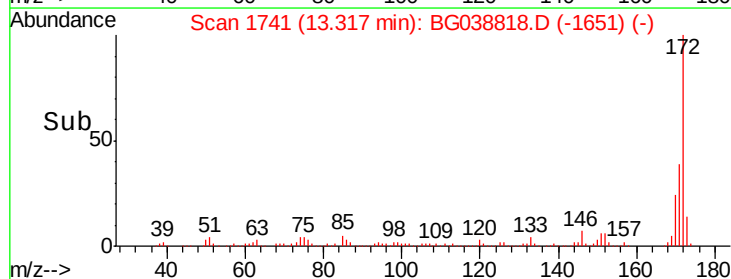


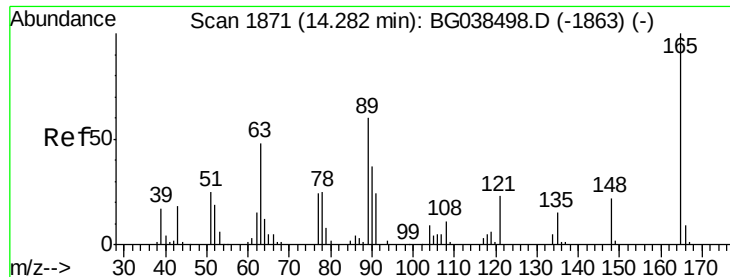
Abundance

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

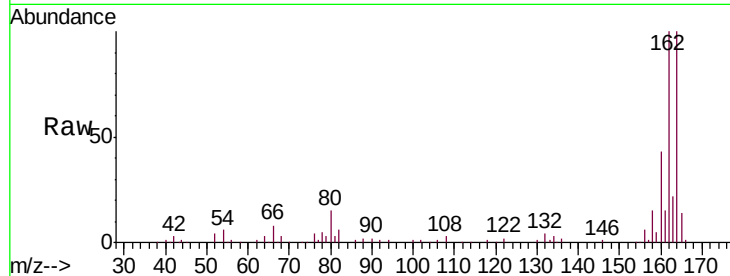




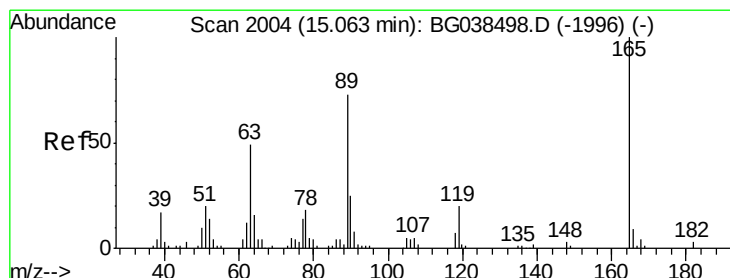
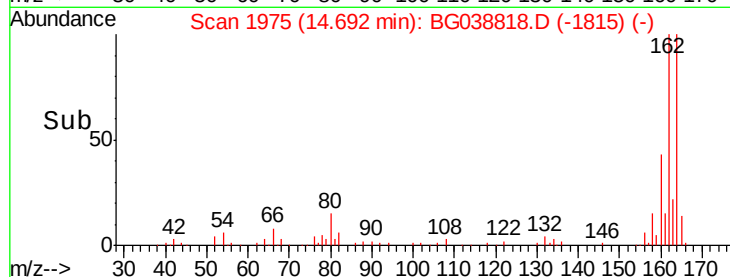
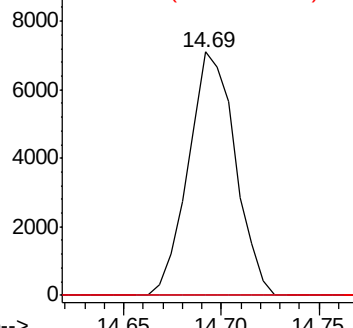
#51
 2,6-Dinitrotoluene
 Concen: 7.280 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038818.D
 Acq: 22 Dec 2018 15:15

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-122018

Tgt Ion:165 Resp: 11770
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.6#
 89 0.0 47.9 71.9#

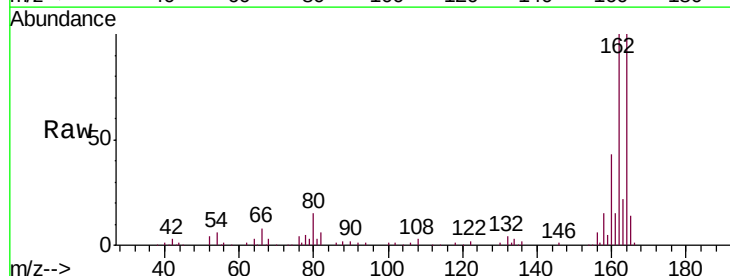


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

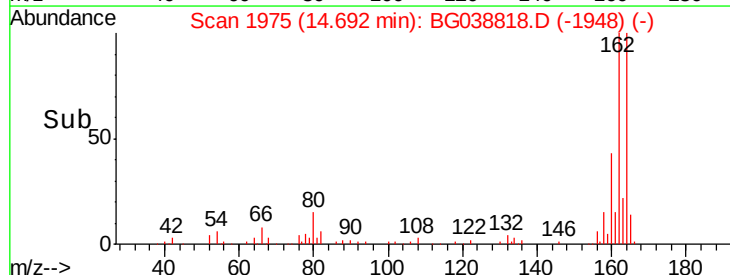
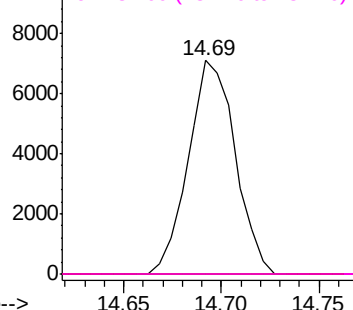


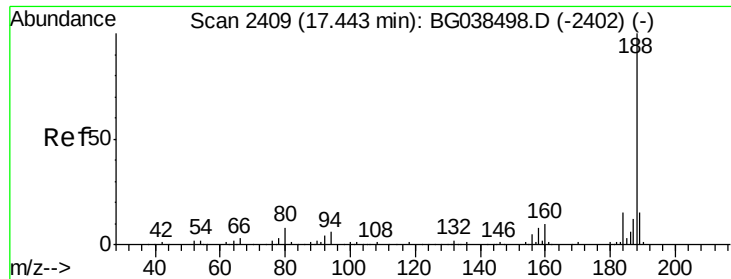
#57
 2,4-Dinitrotoluene
 Concen: 5.169 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038818.D
 Acq: 22 Dec 2018 15:15

Tgt Ion:165 Resp: 11770
 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: 17.45 min Scan# 2444

Delta R.T. 0.00 min

Lab File: BG038818.D

Acq: 22 Dec 2018 15:15

Instrument :

BNA_G

ClientSampleId :

TR-05-122018

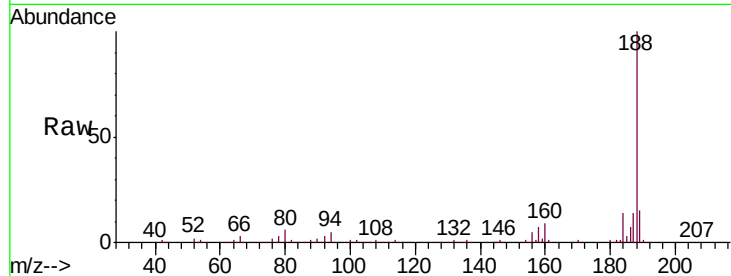
Tgt Ion:188 Resp: 200531

Ion Ratio Lower Upper

188 100

94 5.4 5.1 7.7

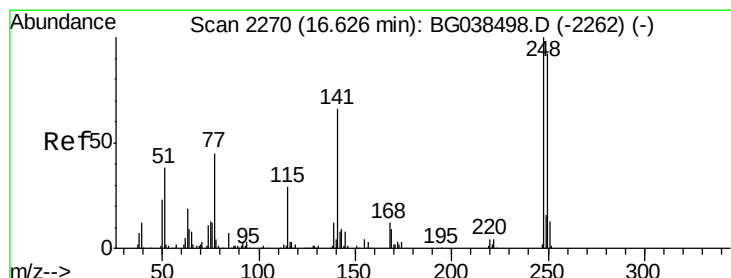
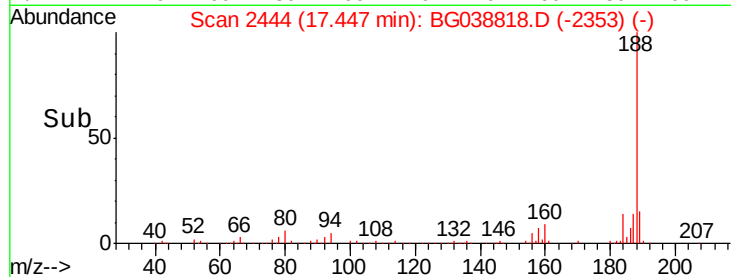
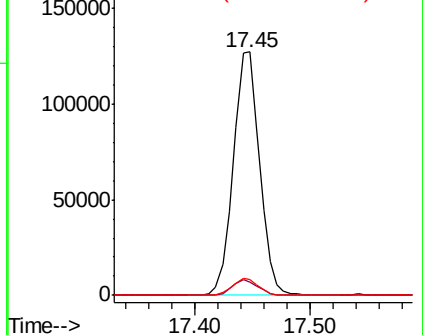
80 6.2 6.1 9.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.505 ng

RT: 16.19 min Scan# 2230

Delta R.T. -0.44 min

Lab File: BG038818.D

Acq: 22 Dec 2018 15:15

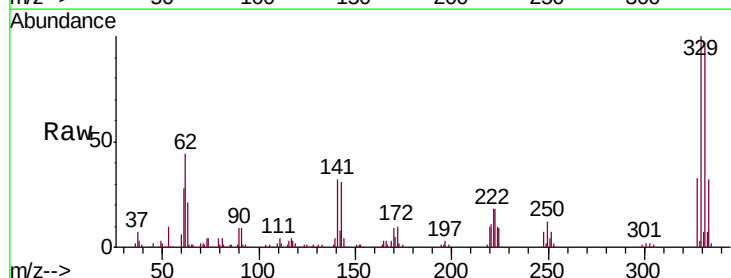
Tgt Ion:248 Resp: 11033

Ion Ratio Lower Upper

248 100

250 175.1 73.4 110.2#

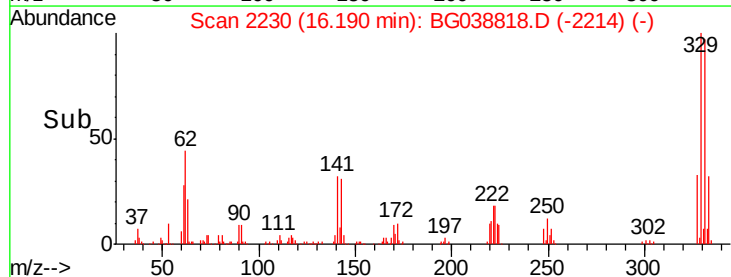
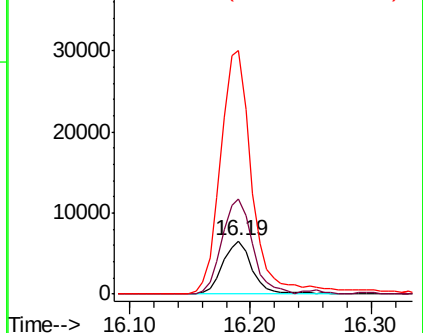
141 340.8 52.9 79.3#

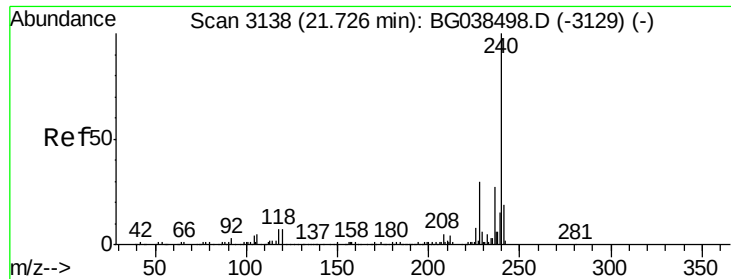


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

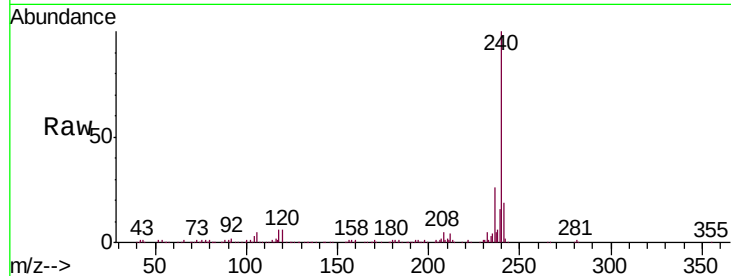




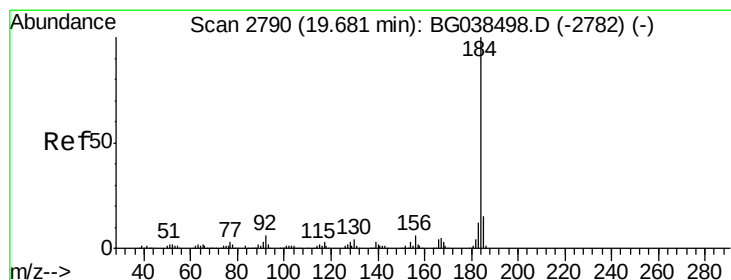
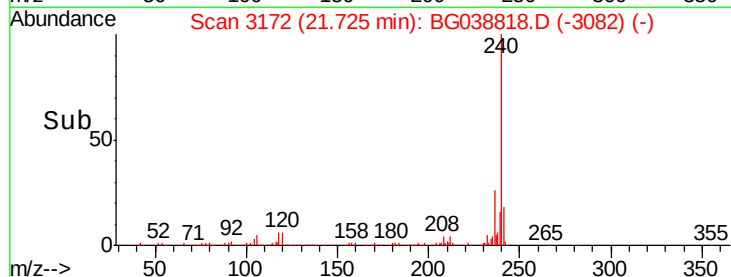
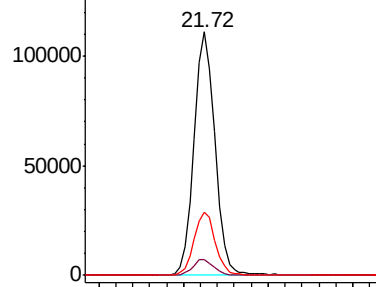
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3172
Delta R.T. -0.00 min
Lab File: BG038818.D
Acq: 22 Dec 2018 15:15

Instrument :
BNA_G
ClientSampleId :
TR-05-122018

Tgt Ion:240 Resp: 191508
Ion Ratio Lower Upper
240 100
120 6.5 5.3 7.9
236 26.1 21.4 32.2

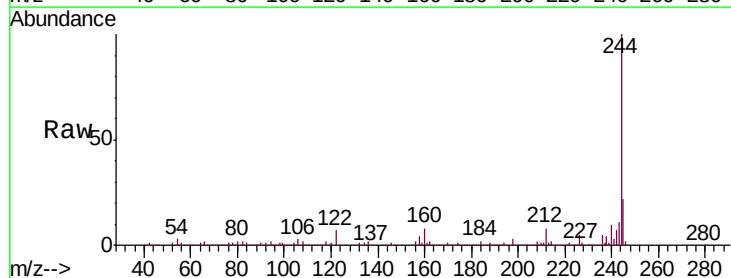


Abundance Ion 240.00 (239.70 to 240.70): E
150000
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

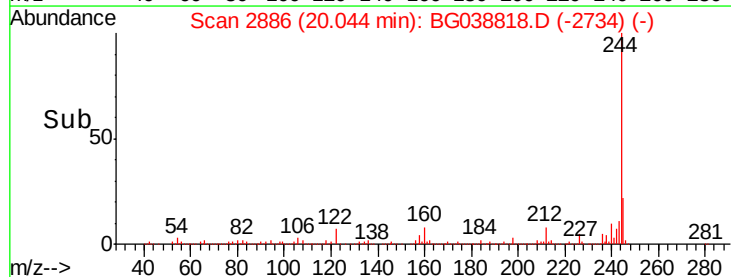
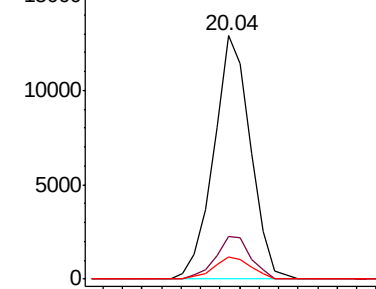


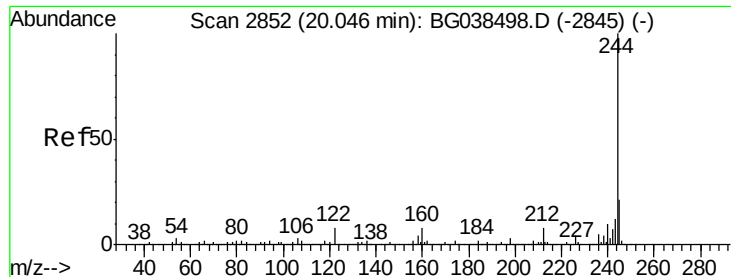
#77
Benzidine
Concen: 2.954 ng
RT: 20.04 min Scan# 2886
Delta R.T. 0.36 min
Lab File: BG038818.D
Acq: 22 Dec 2018 15:15

Tgt Ion:184 Resp: 16731
Ion Ratio Lower Upper
184 100
185 17.7 12.2 18.2
183 9.3 9.6 14.4#



Abundance Ion 184.00 (183.70 to 184.70): E
15000
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 115.229 ng

RT: 20.05 min Scan# 2887

Delta R.T. 0.01 min

Lab File: BG038818.D

Acq: 22 Dec 2018 15:15

Instrument :

BNA_G

ClientSampleId :

TR-05-122018

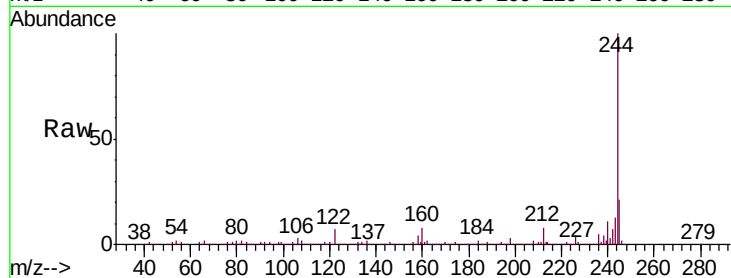
Tgt Ion:244 Resp: 1013970

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

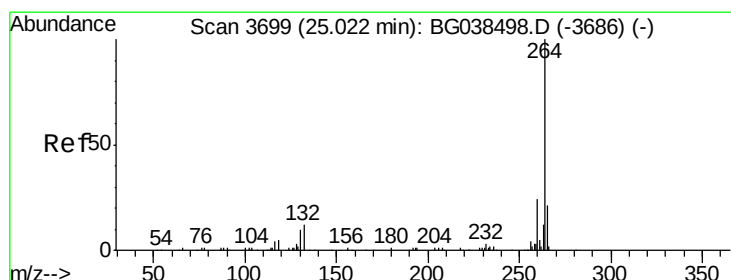
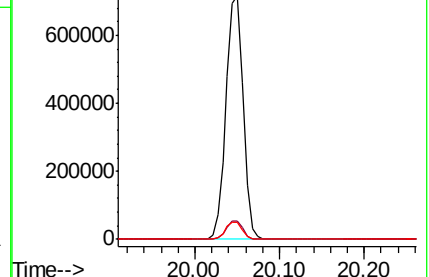
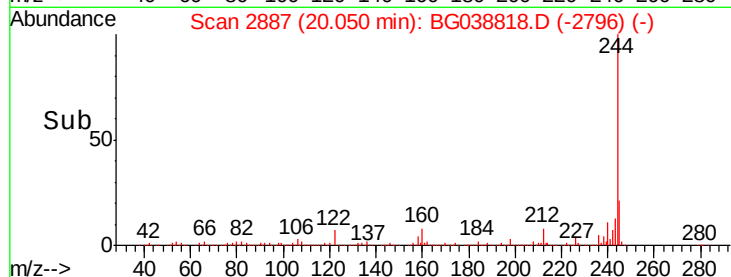
122 7.2 6.3 9.5



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: 25.03 min Scan# 3734

Delta R.T. 0.00 min

Lab File: BG038818.D

Acq: 22 Dec 2018 15:15

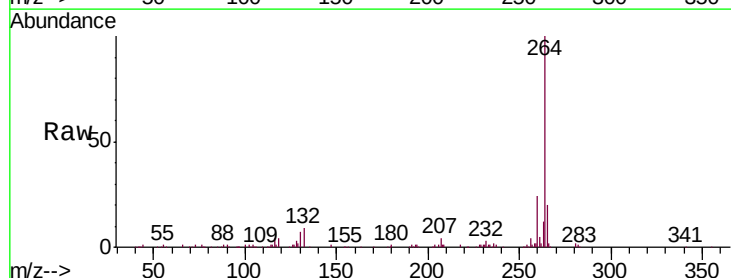
Tgt Ion:264 Resp: 202182

Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

265 20.0 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

