

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121518\
 Data File : BG038632.D
 Acq On : 16 Dec 2018 9:27
 Operator : JU/SJ
 Sample : J6356-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 17 02:30:23 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

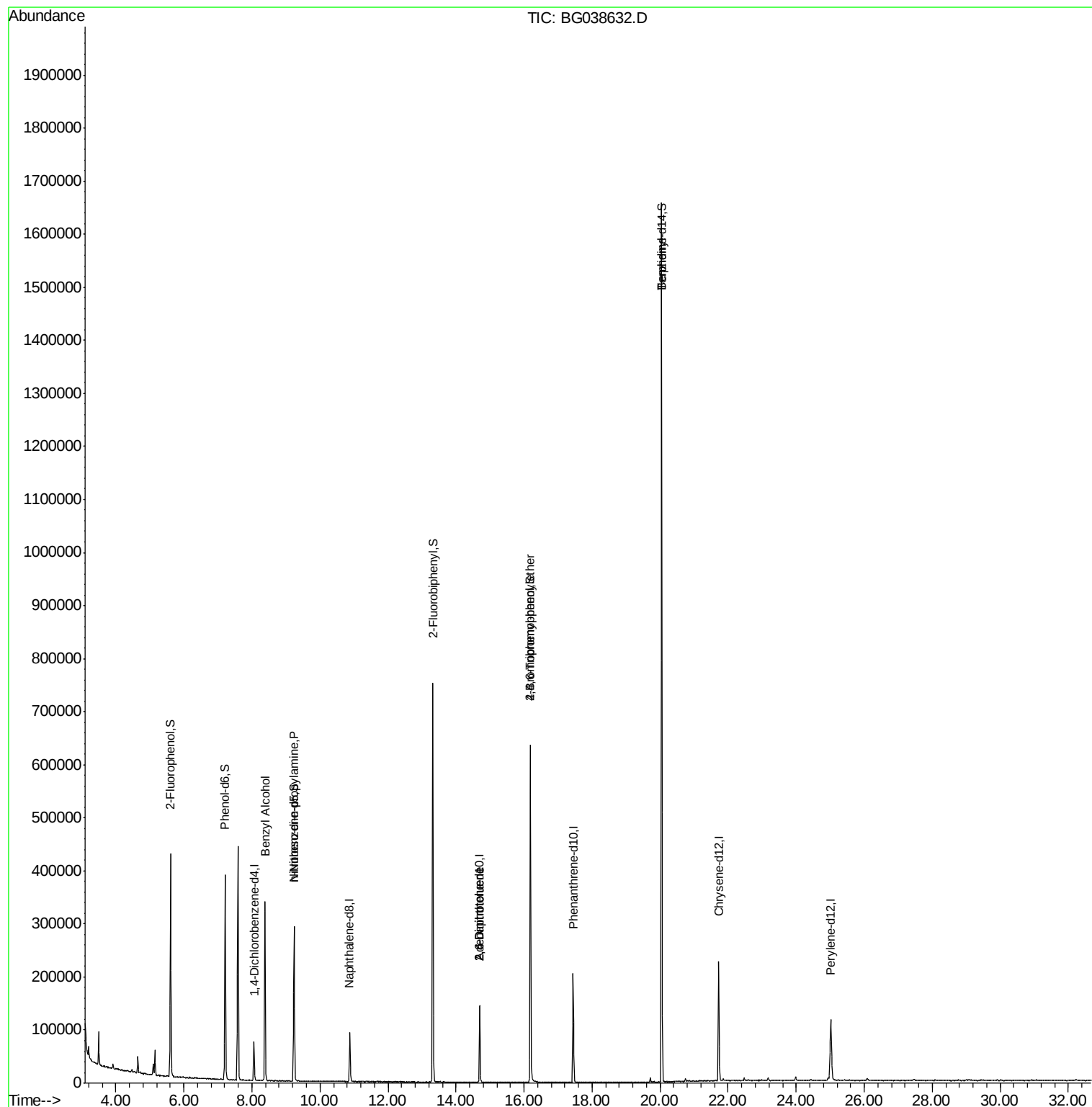
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	20849	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	82552	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	53932	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	135688	20.00	ng	0.00
76) Chrysene-d12	21.72	240	142621	20.00	ng	0.00
87) Perylene-d12	25.02	264	150652	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	173779	147.84	ng	0.00
7) Phenol-d6	7.21	99	210761	130.61	ng	0.00
23) Nitrobenzene-d5	9.23	82	179231	110.92	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	120911	162.67	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	412017	104.80	ng	0.00
79) Terphenyl-d14	20.05	244	791282	120.75	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.38	79	2758	2.190	ng	# 46
19) n-Nitroso-di-n-propylamine	9.23	70	24236	21.384	ng	# 70
51) 2,6-Dinitrotoluene	14.69	165	6787	6.800	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	6787	4.828	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	8223	4.962	ng	# 1
77) Benzidine	20.05	184	14742	3.495	ng	# 93

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

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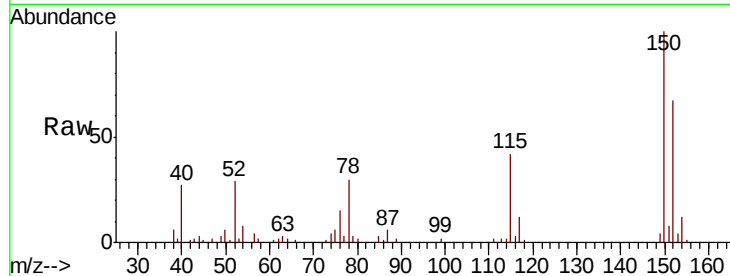


#1

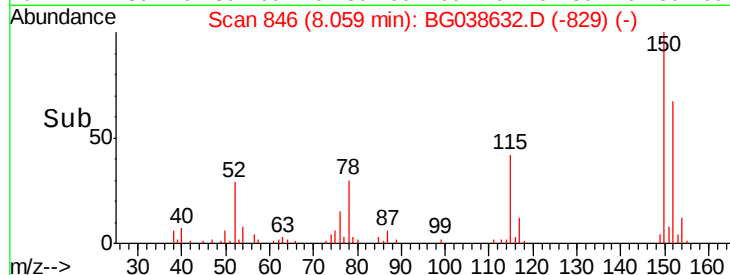
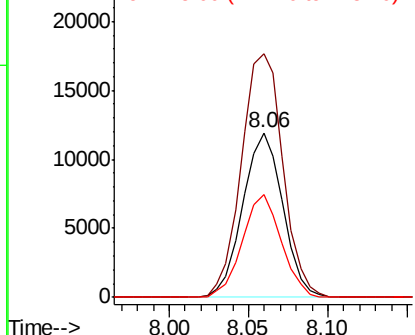
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038632.D
Acq: 16 Dec 2018 9:27

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 20849
Ion Ratio Lower Upper
152 100
150 148.3 119.5 179.3
115 62.3 49.6 74.4



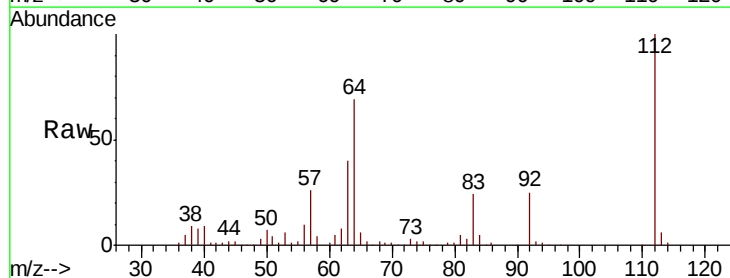
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



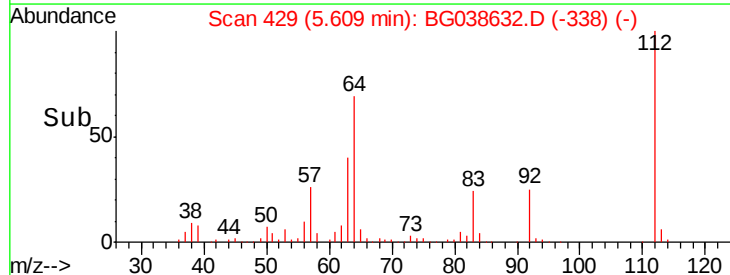
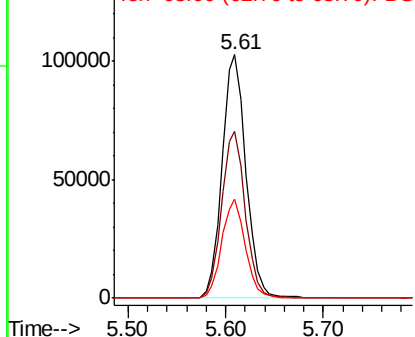
#5

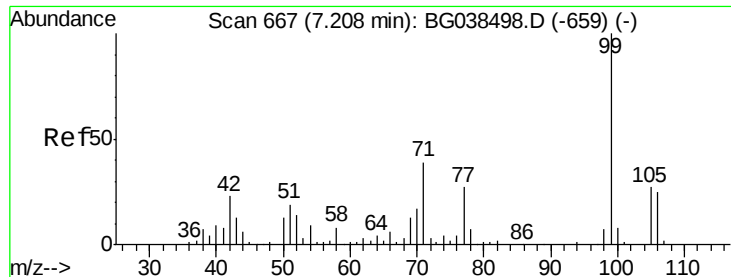
2-Fluorophenol
Concen: 147.836 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038632.D
Acq: 16 Dec 2018 9:27

Tgt Ion:112 Resp: 173779
Ion Ratio Lower Upper
112 100
64 68.8 53.4 80.2
63 40.5 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: 130.606 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038632.D

Acq: 16 Dec 2018 9:27

Instrument :

BNA_G

ClientSampleId :

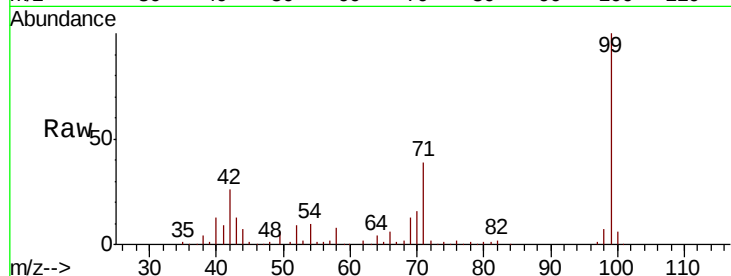
Tot Ion: 99 Resp: 210761

Ion Ratio Lower Upper

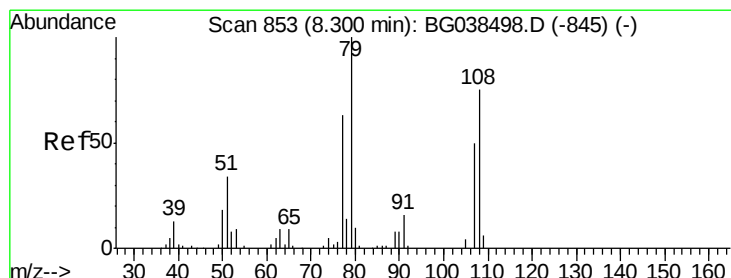
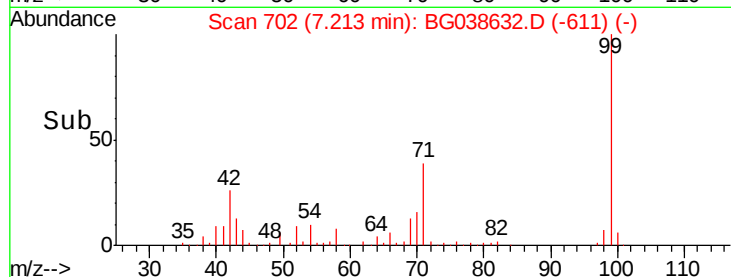
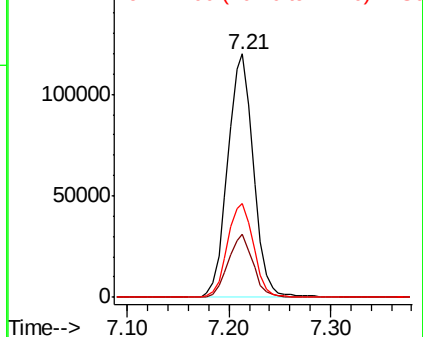
99 100

42 25.7 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



#15

Benzyl Alcohol

Concen: 2.190 ng

RT: 8.38 min Scan# 901

Delta R.T. 0.08 min

Lab File: BG038632.D

Acq: 16 Dec 2018 9:27

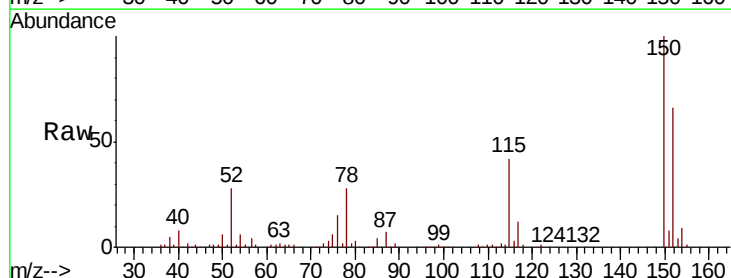
Tgt Ion: 79 Resp: 2758

Ion Ratio Lower Upper

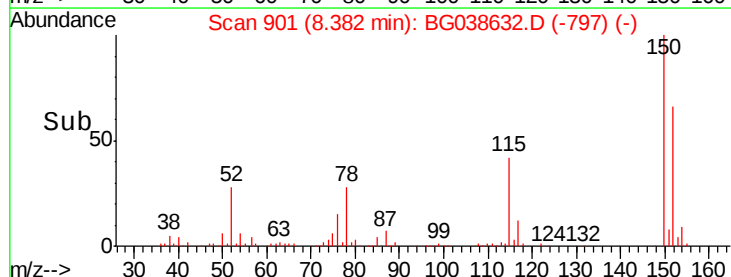
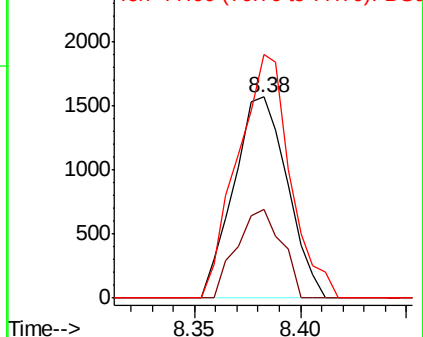
79 100

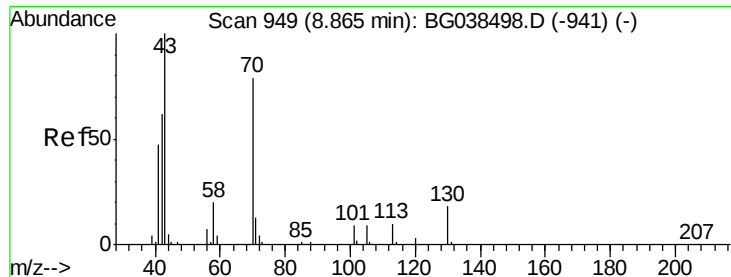
108 44.1 60.2 90.4#

77 121.2 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

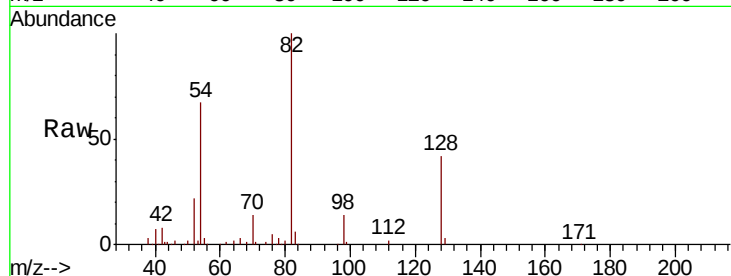




#19
n-Nitroso-di-n-propylamine
Concen: 21.384 ng
RT: 9.23 min Scan# 1046
Delta R.T. 0.37 min
Lab File: BG038632.D
Acq: 16 Dec 2018 9:27

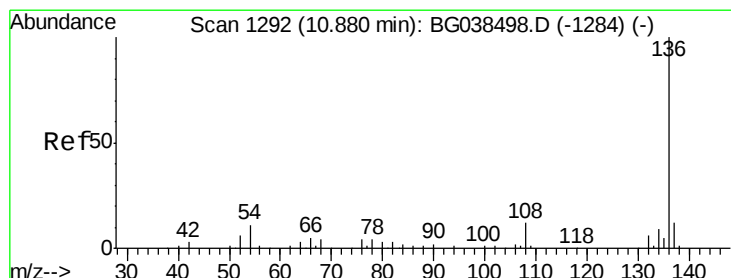
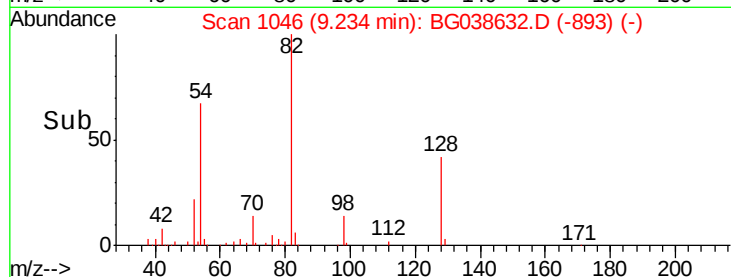
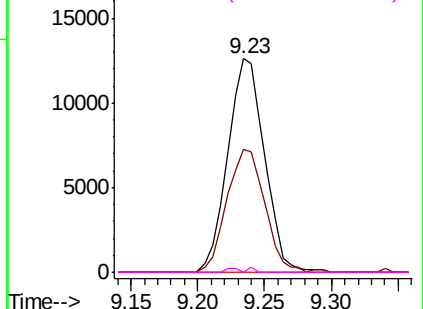
Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 24236
Ion Ratio Lower Upper
70 100
42 57.4 63.6 95.4#
101 0.0 9.2 13.8#
130 0.0 18.5 27.7#



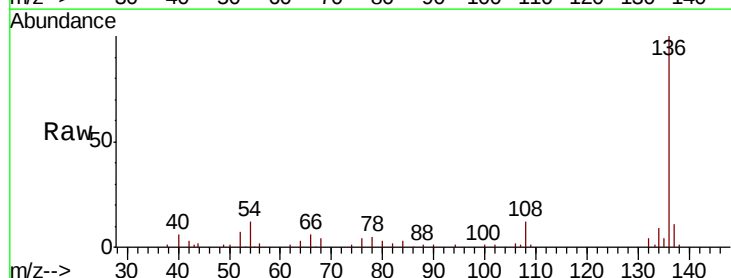
Abundance

Ion 70.00 (69.70 to 70.70): BGC



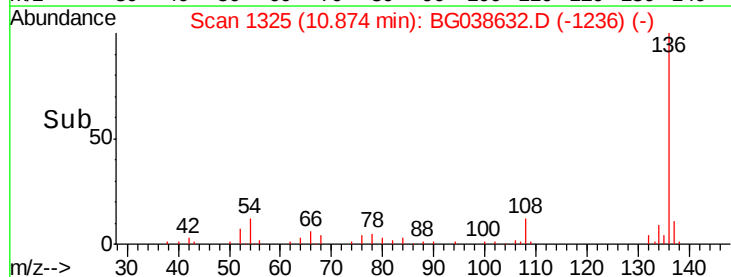
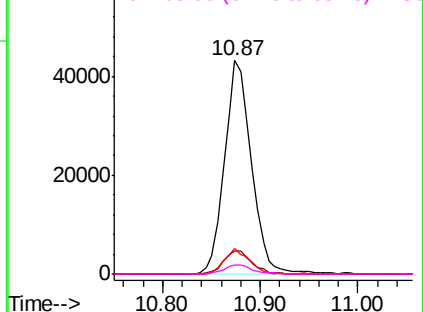
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038632.D
Acq: 16 Dec 2018 9:27

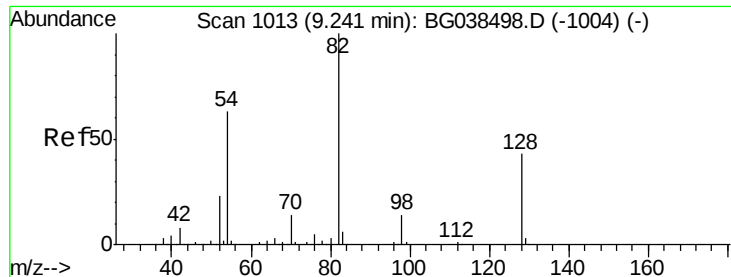
Tgt Ion: 136 Resp: 82552
Ion Ratio Lower Upper
136 100
137 10.7 9.3 13.9
54 12.0 8.5 12.7
68 4.5 3.5 5.3



Abundance

Ion 136.00 (135.70 to 136.70): BGC

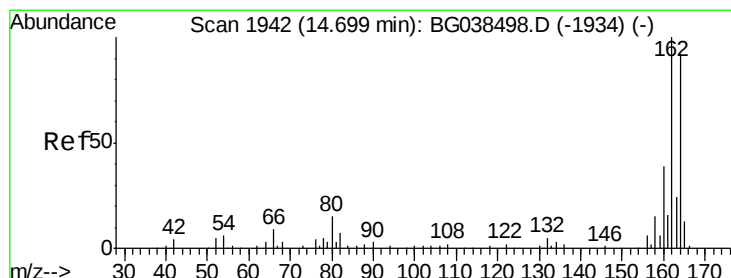
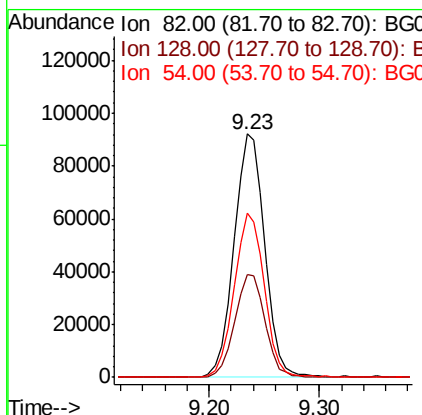
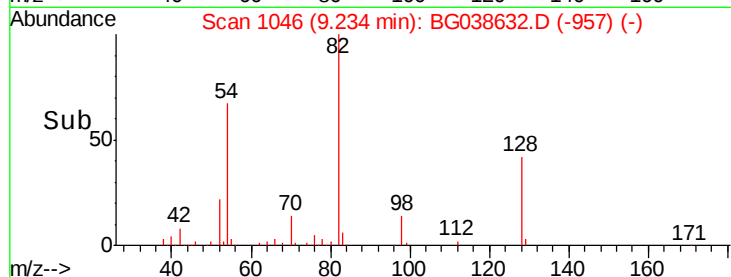
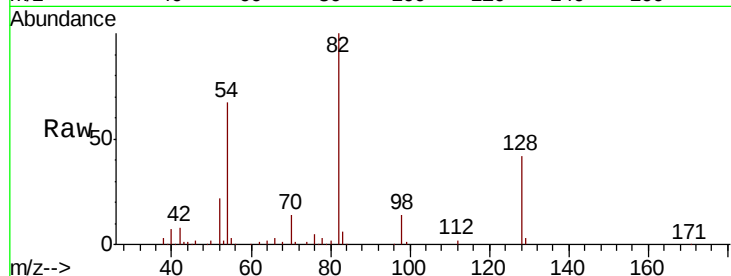




#23
 Nitrobenzene-d5
 Concen: 110.917 ng
 RT: 9.23 min Scan# 1046
 Delta R.T. -0.01 min
 Lab File: BG038632.D
 Acq: 16 Dec 2018 9:27

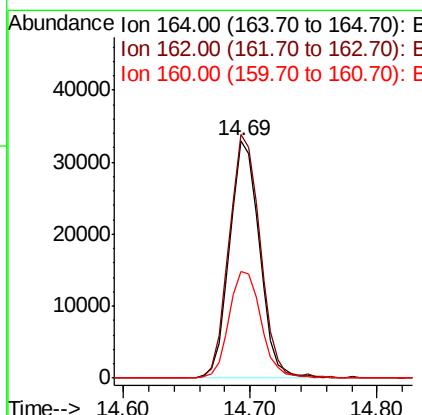
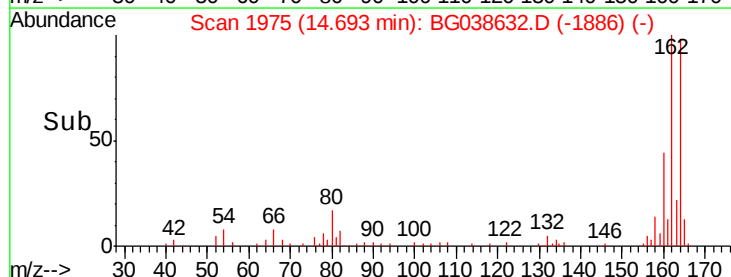
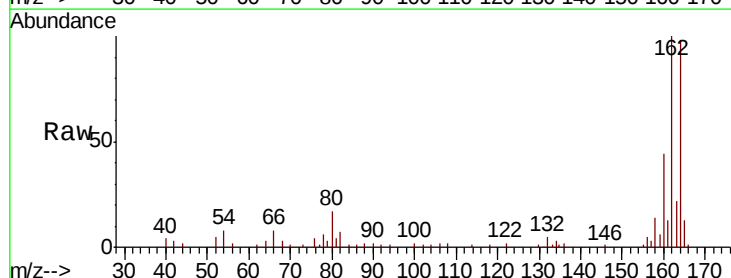
Instrument :
 BNA_G
 ClientSampleId :

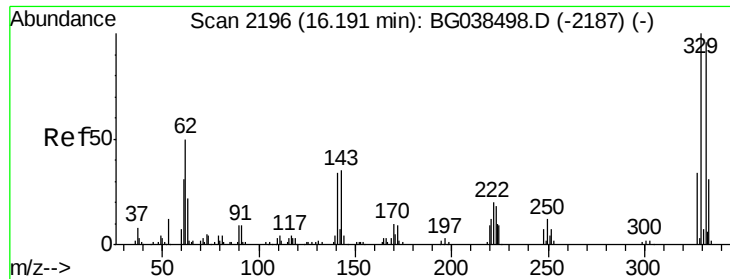
Tot Ion: 82 Resp: 179231
 Ion Ratio Lower Upper
 82 100
 128 42.3 34.6 52.0
 54 67.2 50.6 76.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.01 min
 Lab File: BG038632.D
 Acq: 16 Dec 2018 9:27

Tgt Ion: 164 Resp: 53932
 Ion Ratio Lower Upper
 164 100
 162 102.4 86.6 130.0
 160 45.0 34.2 51.2

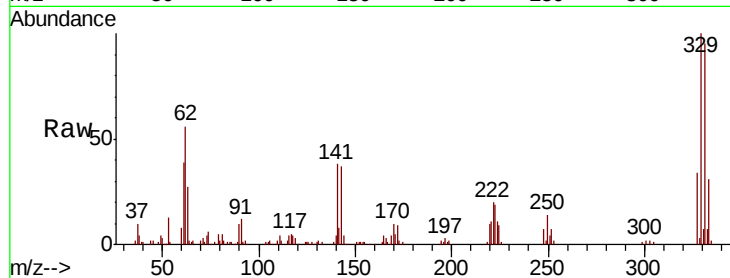




#42
 2,4,6-Tribromophenol
 Concen: 162.672 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.01 min
 Lab File: BG038632.D
 Acq: 16 Dec 2018 9:27

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.2	76.9	115.3
141	37.7	28.8	43.2

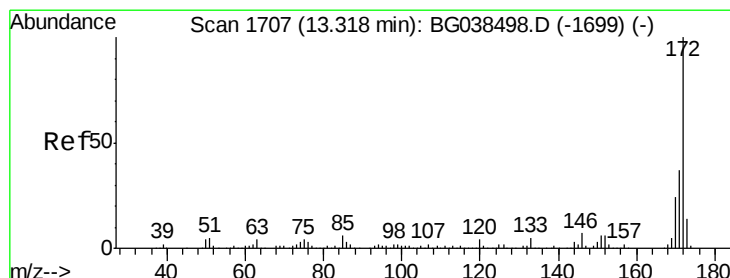
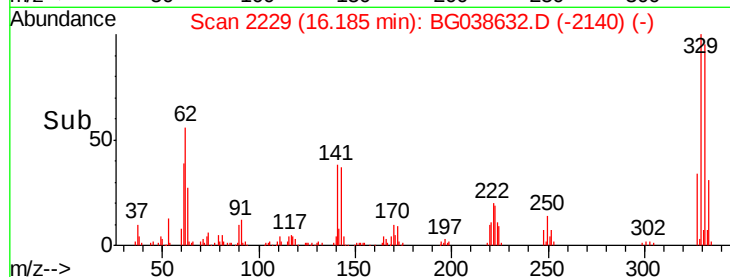
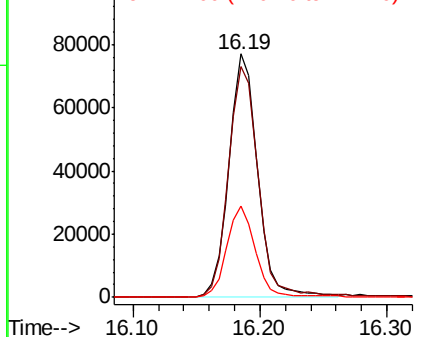


Abundance

Ion 329.80 (329.50 to 330.50): E

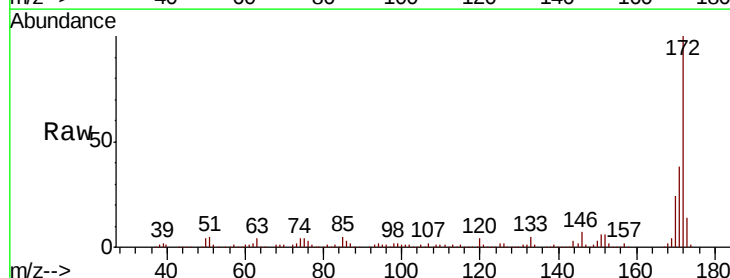
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 104.803 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG038632.D
 Acq: 16 Dec 2018 9:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.2	29.8	44.6
170	24.4	19.5	29.3

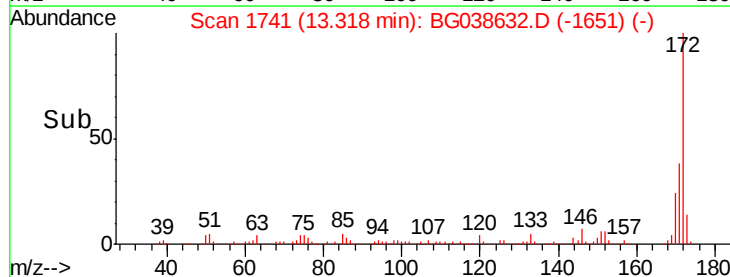
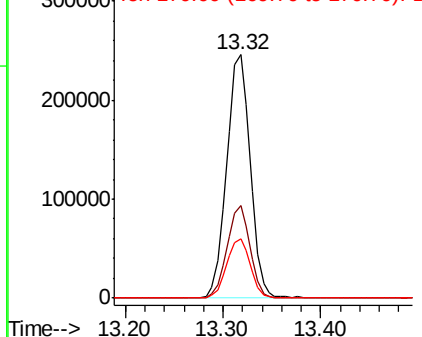


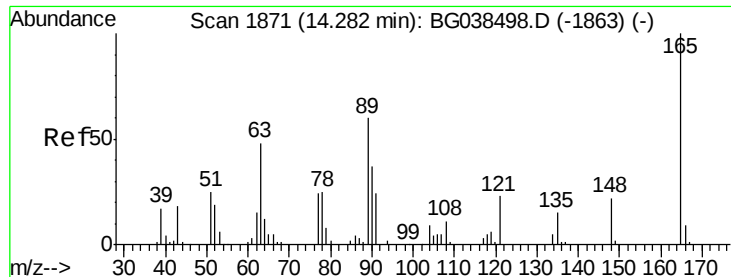
Abundance

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

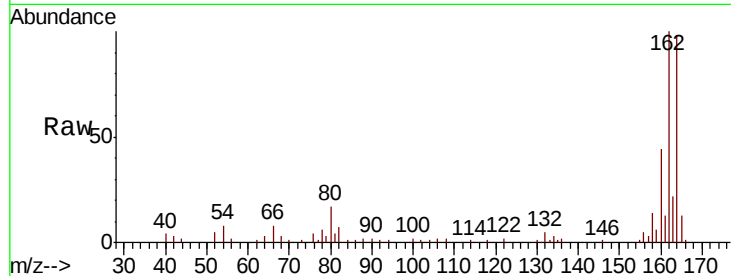




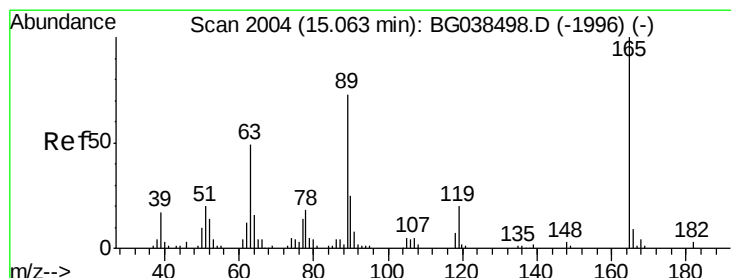
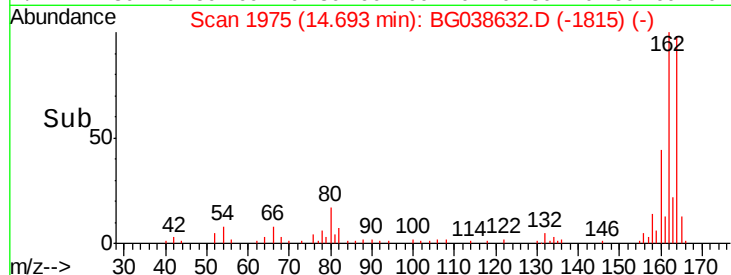
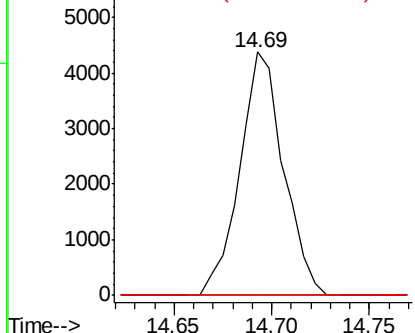
#51
 2,6-Dinitrotoluene
 Concen: 6.800 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038632.D
 Acq: 16 Dec 2018 9:27

Instrument :
 BNA_G
 ClientSampleId :

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



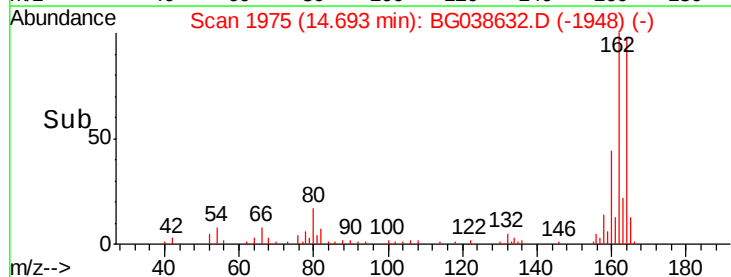
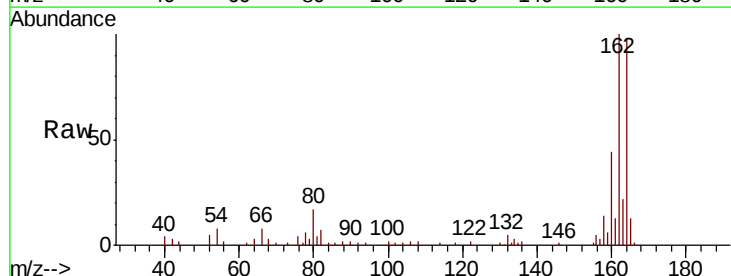
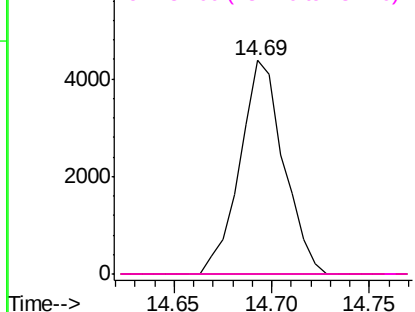
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

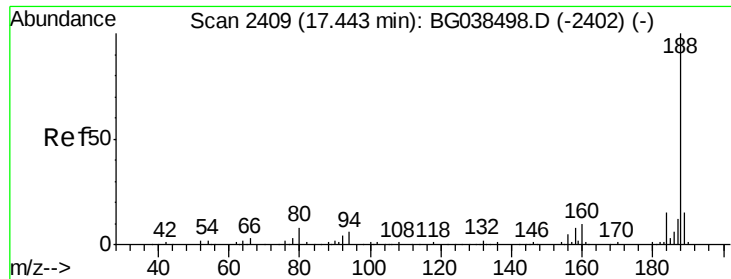


#57
 2,4-Dinitrotoluene
 Concen: 4.828 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038632.D
 Acq: 16 Dec 2018 9:27

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

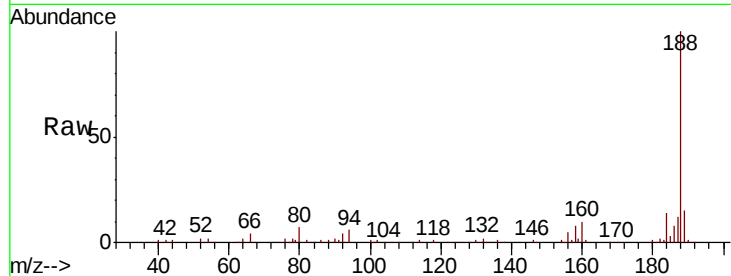




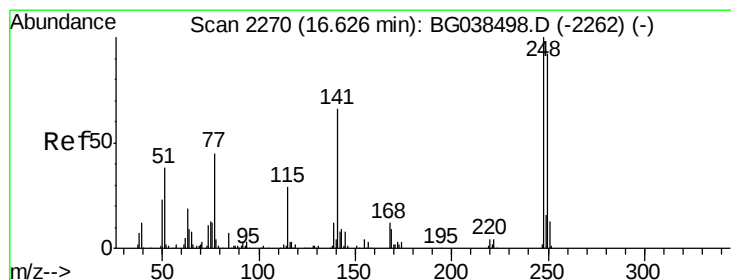
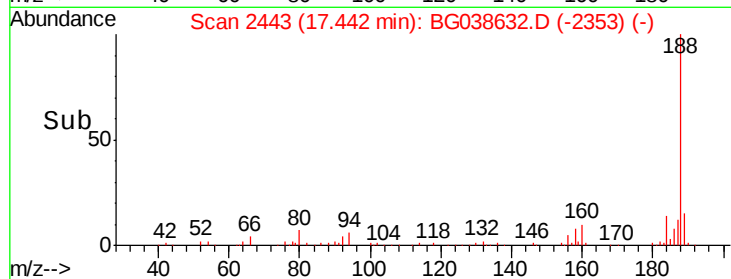
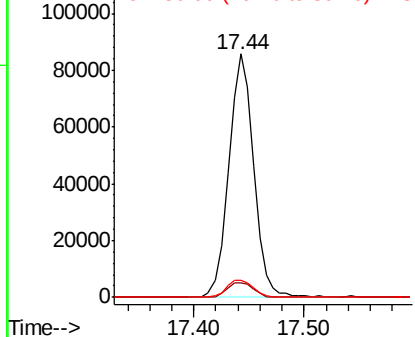
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG038632.D
Acq: 16 Dec 2018 9:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 135688
Ion Ratio Lower Upper
188 100
94 5.9 5.1 7.7
80 7.2 6.1 9.1

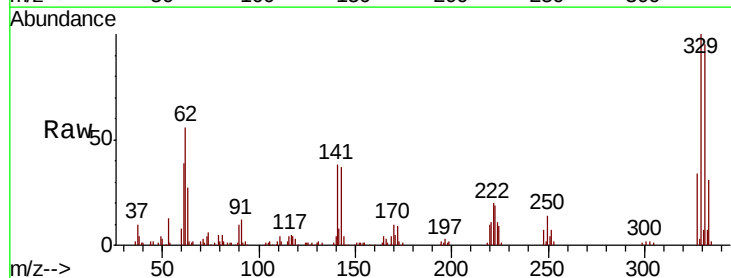


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

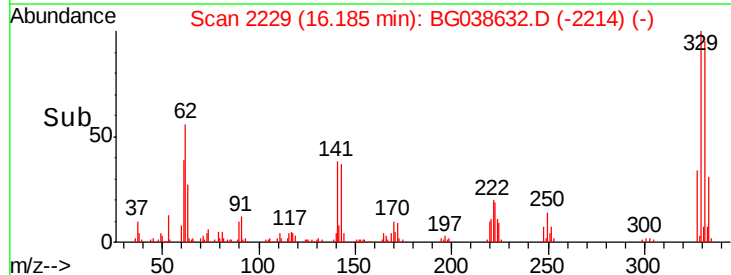
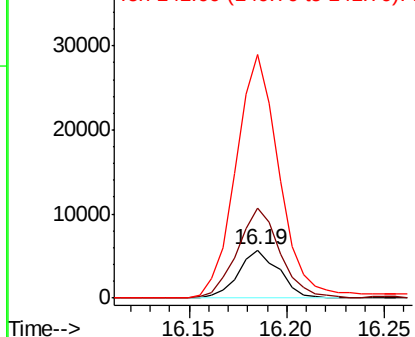


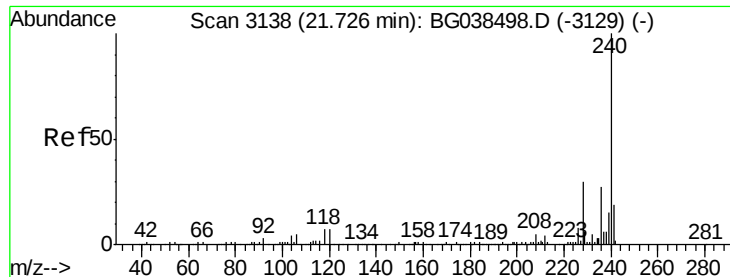
#67
4-Bromophenyl-phenylether
Concen: 4.962 ng
RT: 16.19 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038632.D
Acq: 16 Dec 2018 9:27

Tgt Ion:248 Resp: 8223
Ion Ratio Lower Upper
248 100
250 190.3 73.4 110.2#
141 405.5 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: BG038632.D

Acq: 16 Dec 2018 9:27

Instrument :

BNA_G

ClientSampled :

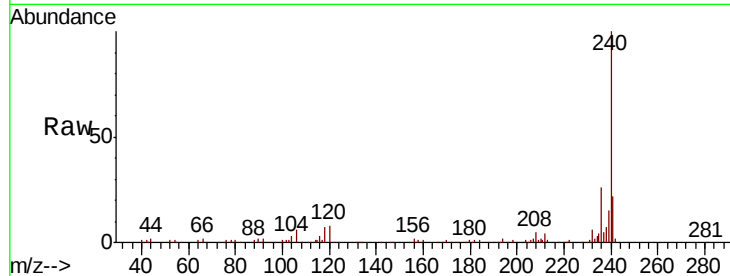
Tot Ion:240 Resp: 142621

Ion Ratio Lower Upper

240 100

120 7.7 5.3 7.9

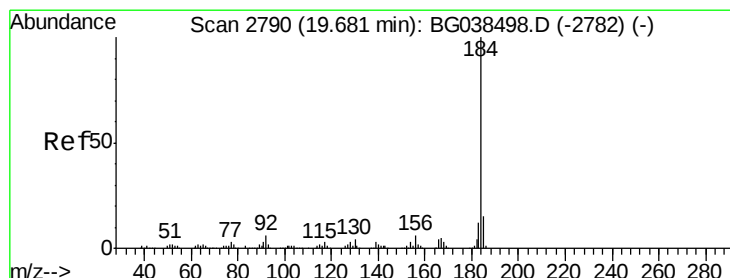
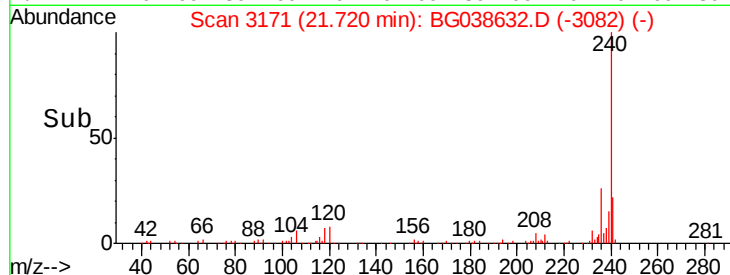
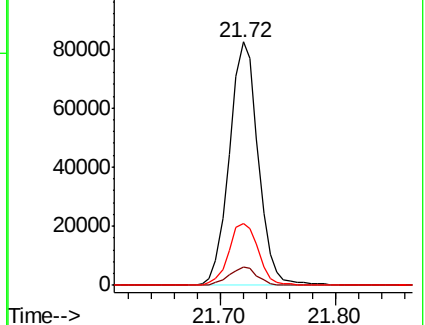
236 25.5 21.4 32.2



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: 3.495 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038632.D

Acq: 16 Dec 2018 9:27

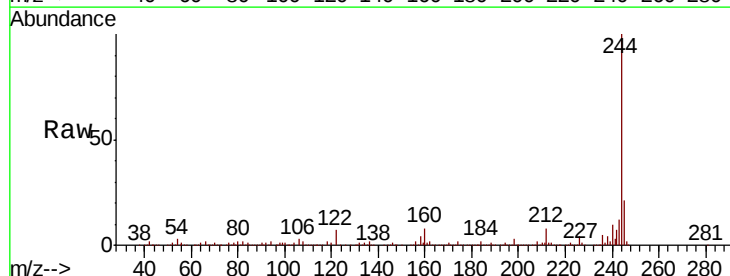
Tgt Ion:184 Resp: 14742

Ion Ratio Lower Upper

184 100

185 17.0 12.2 18.2

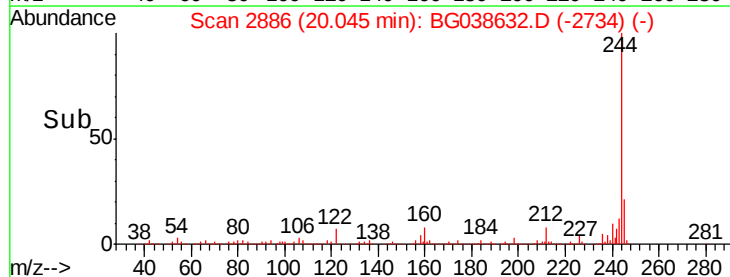
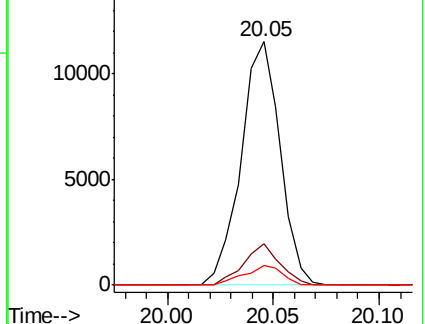
183 8.0 9.6 14.4#

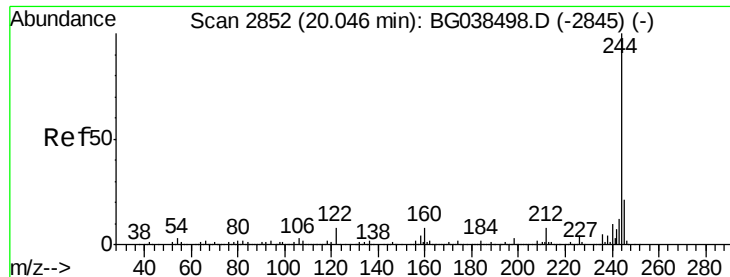


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 120.746 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG038632.D

Acq: 16 Dec 2018 9:27

Instrument :

BNA_G

ClientSampleId :

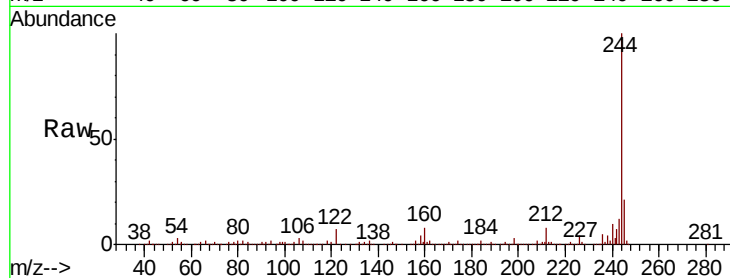
Tot Ion:244 Resp: 791282

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.2

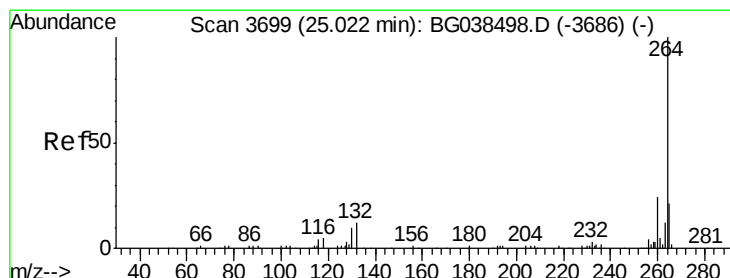
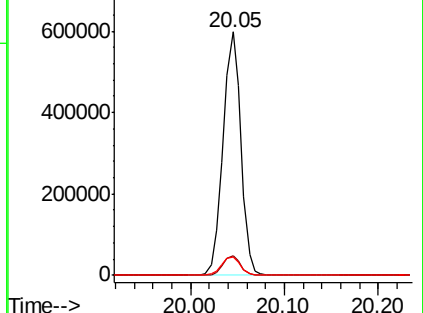
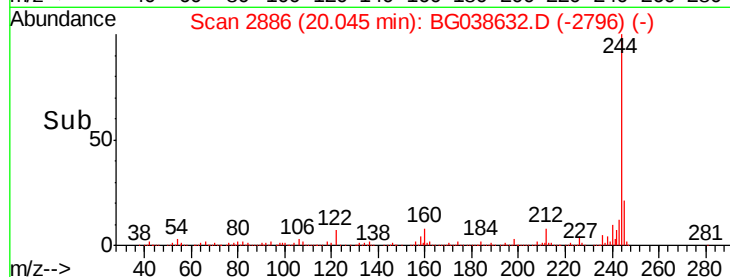
122 7.5 6.3 9.5



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: 25.02 min Scan# 3732

Delta R.T. -0.01 min

Lab File: BG038632.D

Acq: 16 Dec 2018 9:27

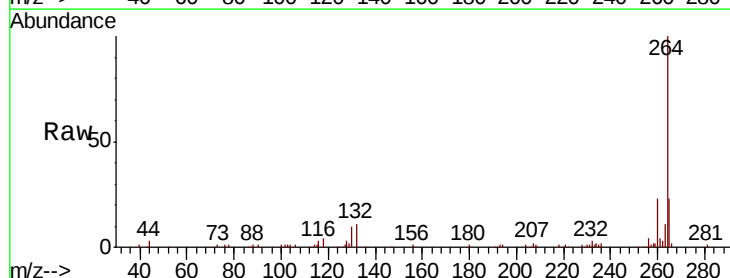
Tgt Ion:264 Resp: 150652

Ion Ratio Lower Upper

264 100

260 23.2 18.9 28.3

265 23.2 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

