

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121718\
 Data File : BG038688.D
 Acq On : 18 Dec 2018 8:11
 Operator : JU/SJ
 Sample : J6403-36
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 18 10:45:31 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

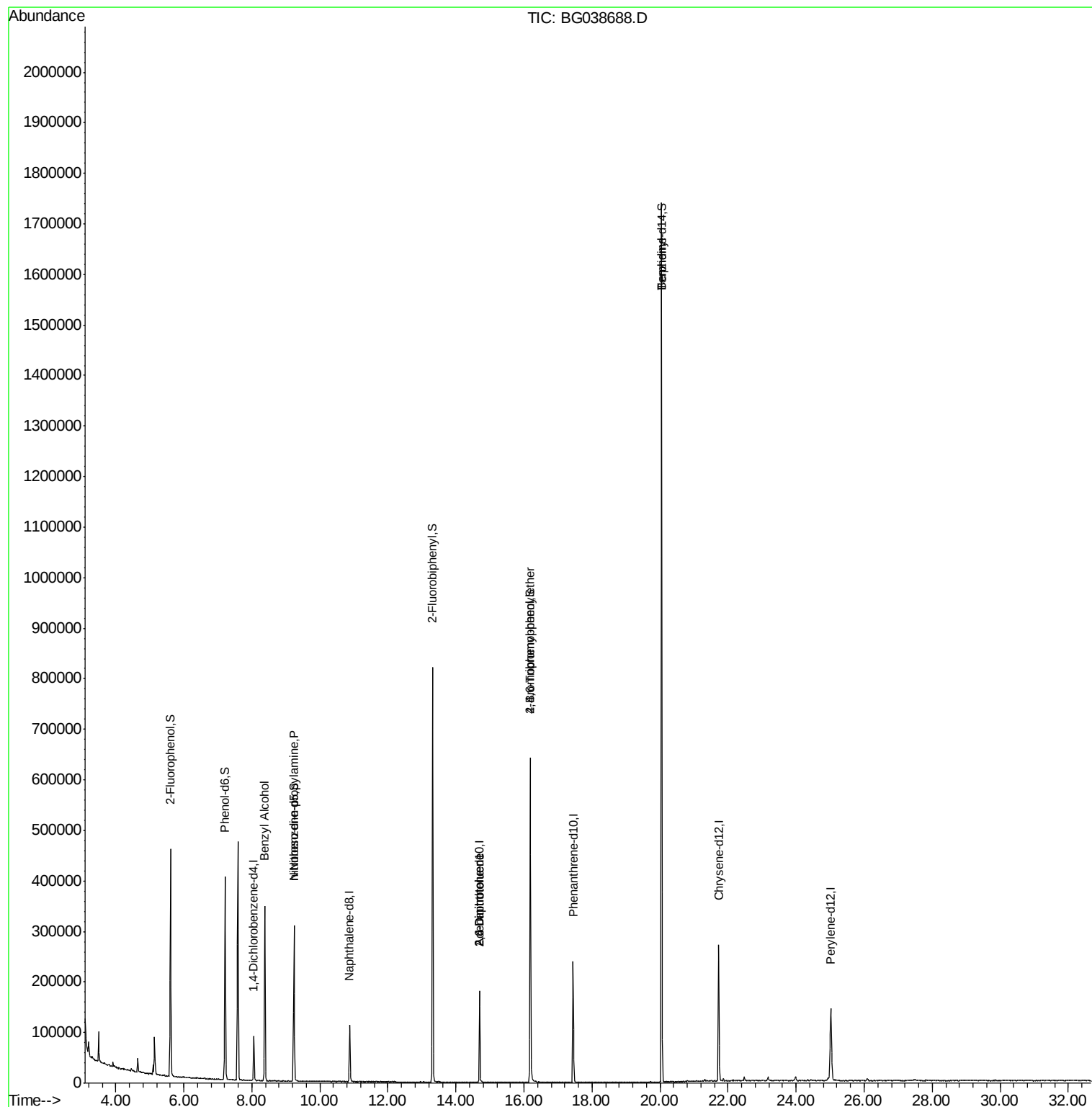
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	24572	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	95552	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	62889	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	164429	20.00	ng	0.00
76) Chrysene-d12	21.72	240	171101	20.00	ng	0.00
87) Perylene-d12	25.02	264	184237	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	184205	132.96	ng	0.00
7) Phenol-d6	7.21	99	219281	115.30	ng	0.00
23) Nitrobenzene-d5	9.24	82	181900	97.25	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	129493	149.41	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	425963	92.92	ng	0.00
79) Terphenyl-d14	20.05	244	849699	108.08	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.39	79	3326	2.241	ng	# 56
19) n-Nitroso-di-n-propylamine	9.23	70	24748	18.527	ng	# 72
51) 2,6-Dinitrotoluene	14.70	165	8350	7.175	ng	# 19
57) 2,4-Dinitrotoluene	14.70	165	8350	5.094	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	8089	4.028	ng	# 1
77) Benzidine	20.04	184	15418	3.047	ng	# 96

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

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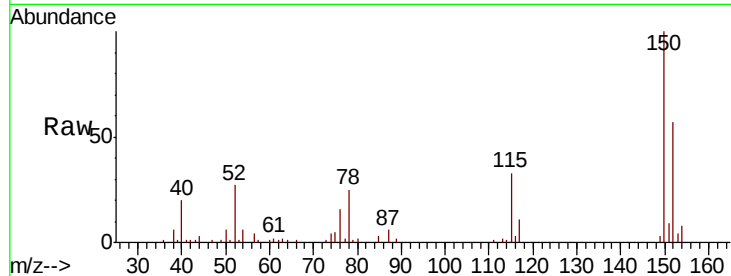


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG038688.D
Acq: 18 Dec 2018 8:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	175.4	119.5	179.3
115	58.7	49.6	74.4

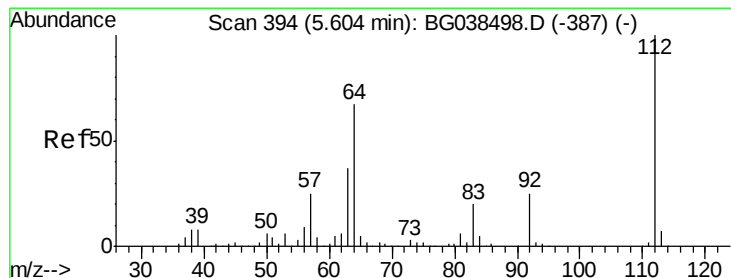
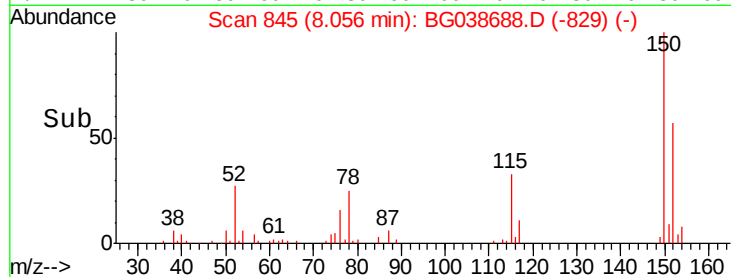
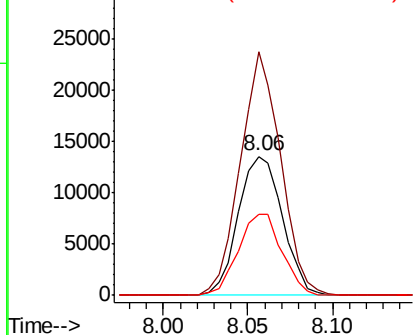


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

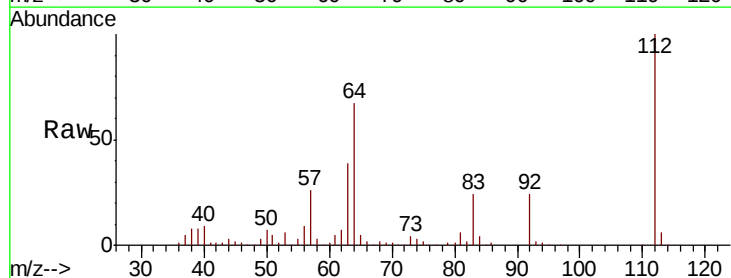
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 132.963 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038688.D
Acq: 18 Dec 2018 8:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	53.4	80.2
63	39.1	29.3	43.9

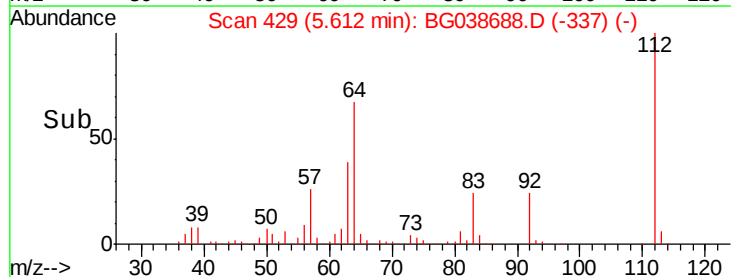
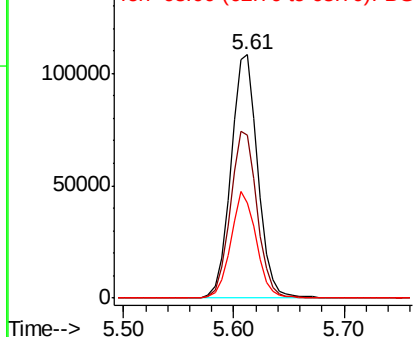


Abundance

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: 115.297 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG038688.D

Acq: 18 Dec 2018 8:11

Instrument :

BNA_G

ClientSampleId :

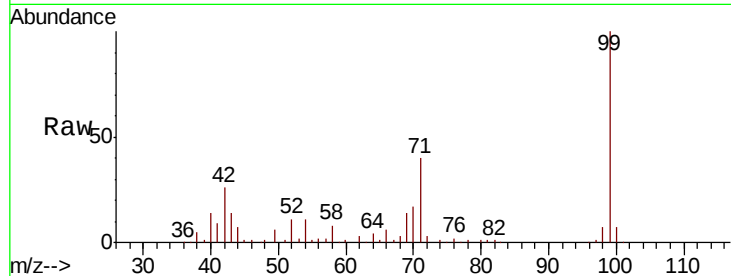
Tot Ion: 99 Resp: 219281

Ion Ratio Lower Upper

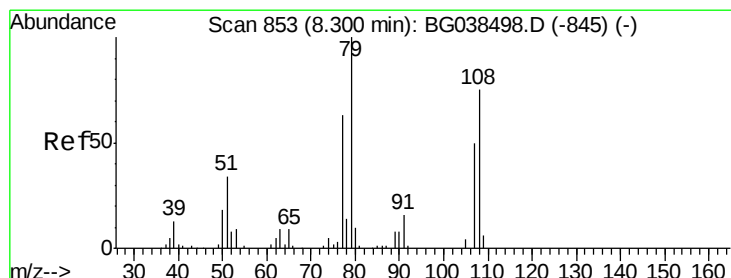
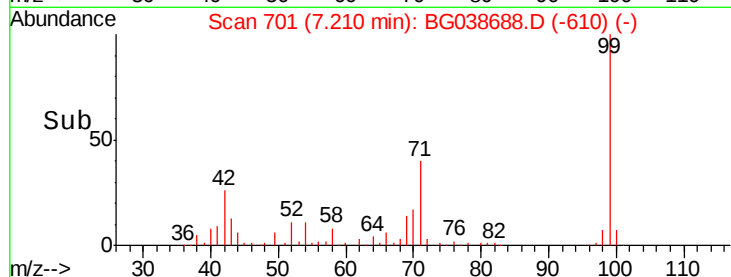
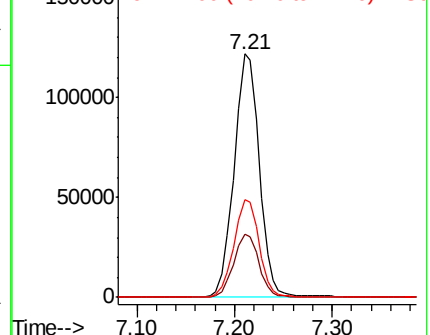
99 100

42 26.1 18.5 27.7

71 40.0 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: 2.241 ng

RT: 8.39 min Scan# 901

Delta R.T. 0.08 min

Lab File: BG038688.D

Acq: 18 Dec 2018 8:11

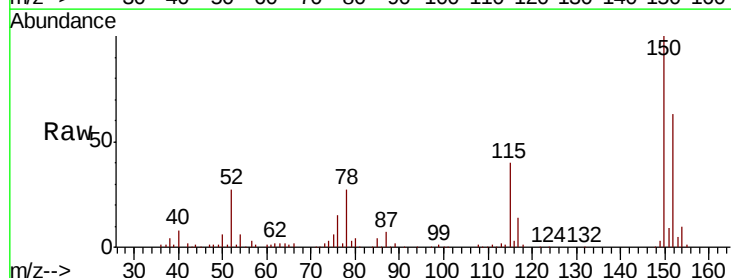
Tgt Ion: 79 Resp: 3326

Ion Ratio Lower Upper

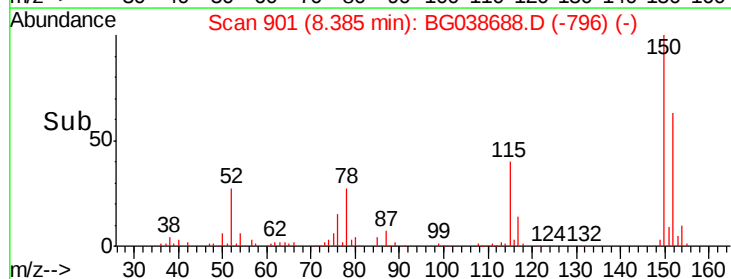
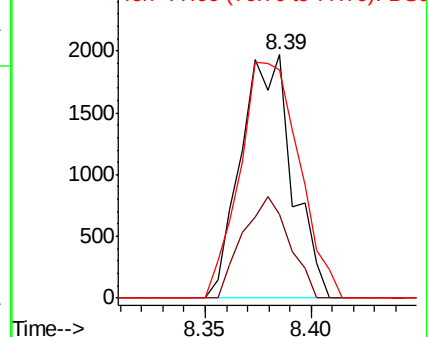
79 100

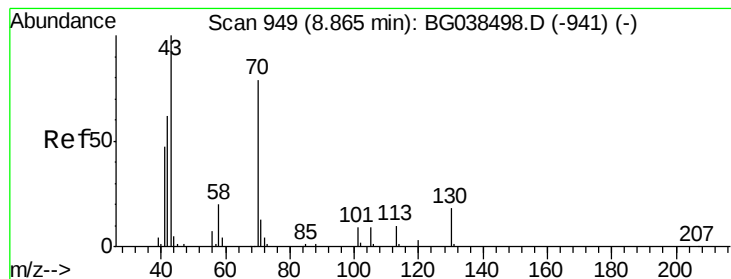
108 34.2 60.2 90.4#

77 93.7 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: 18.527 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.37 min

Lab File: BG038688.D

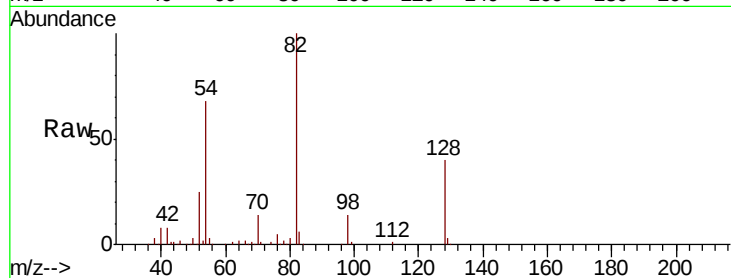
Acq: 18 Dec 2018 8:11

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	70	Resp:	24748
Ion	Ratio	Lower	Upper
70	100		
42	58.6	63.6	95.4#
101	0.0	9.2	13.8#
130	2.3	18.5	27.7#



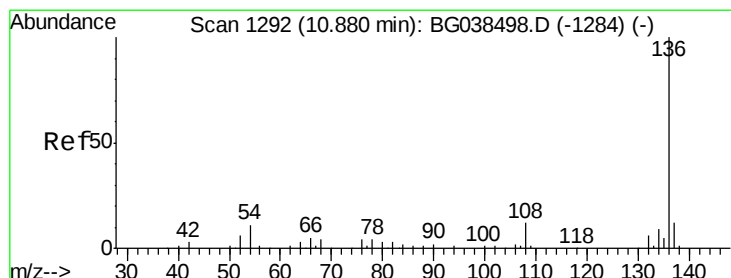
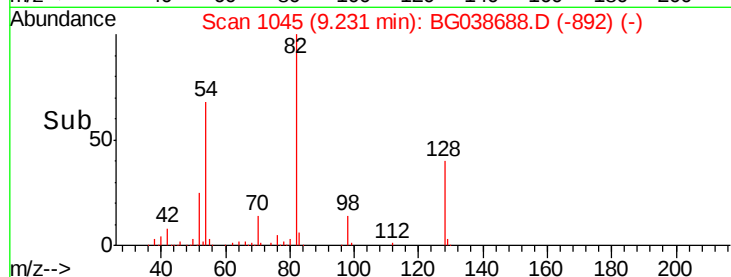
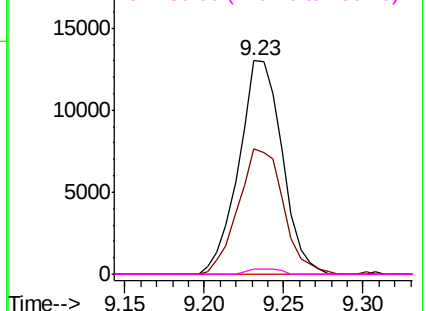
Abundance

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

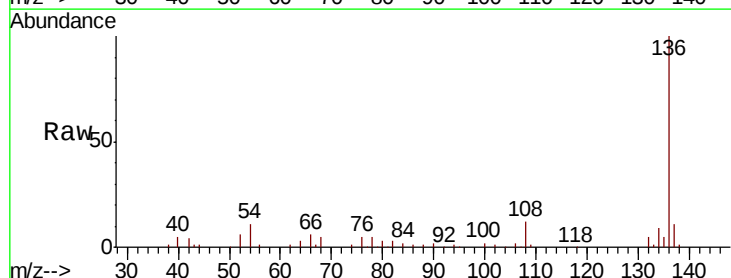
RT: 10.88 min Scan# 1325

Delta R.T. -0.00 min

Lab File: BG038688.D

Acq: 18 Dec 2018 8:11

Tgt Ion:	136	Resp:	95552
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.3	13.9
54	11.4	8.5	12.7
68	4.6	3.5	5.3



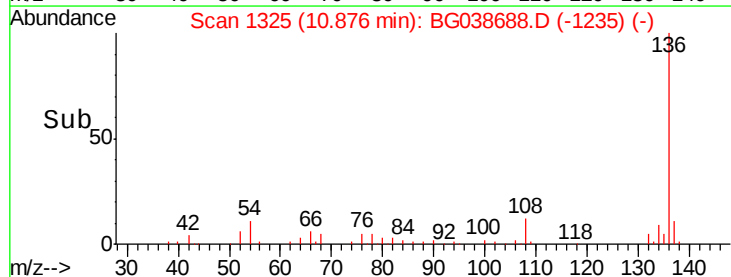
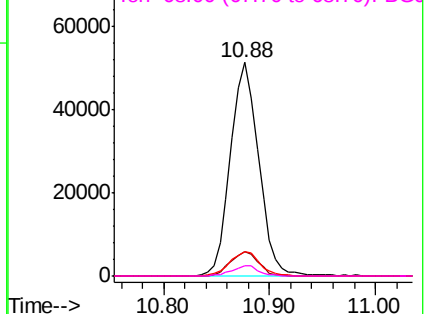
Abundance

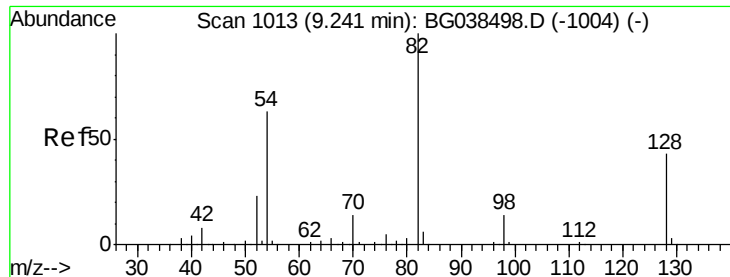
Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

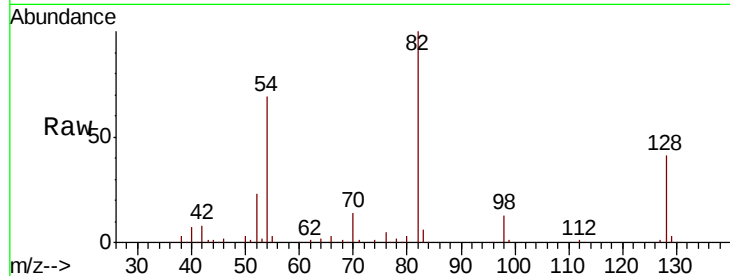




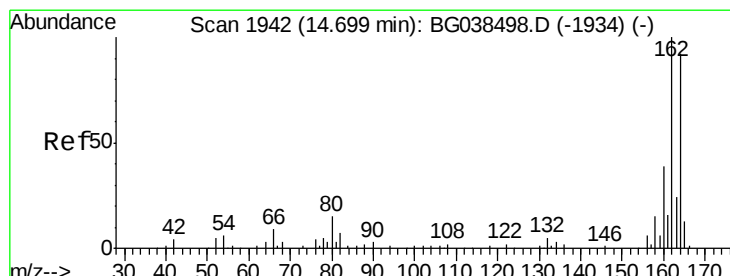
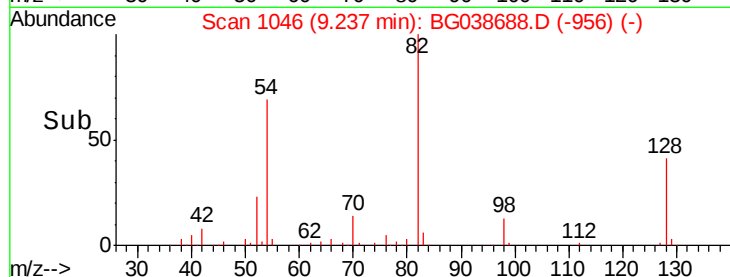
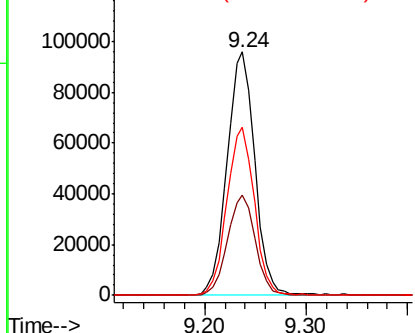
#23
Nitrobenzene-d5
Concen: 97.253 ng
RT: 9.24 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BG038688.D
Acq: 18 Dec 2018 8:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 181900
Ion Ratio Lower Upper
82 100
128 41.1 34.6 52.0
54 69.2 50.6 76.0

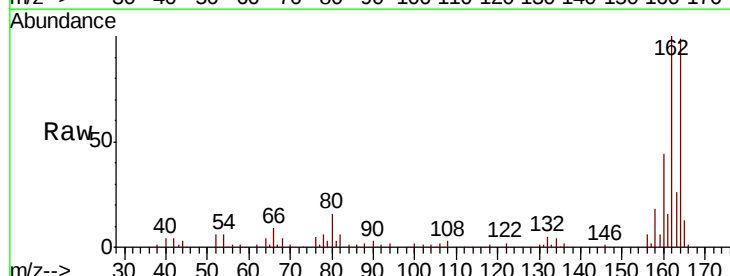


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

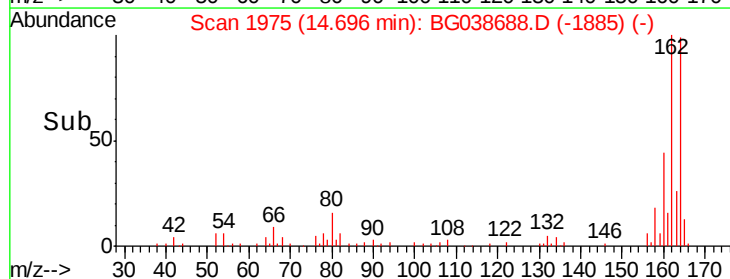
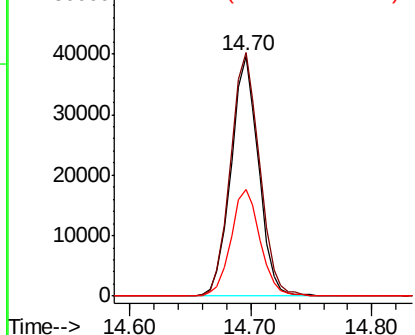


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.70 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BG038688.D
Acq: 18 Dec 2018 8:11

Tgt Ion:164 Resp: 62889
Ion Ratio Lower Upper
164 100
162 101.4 86.6 130.0
160 44.3 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

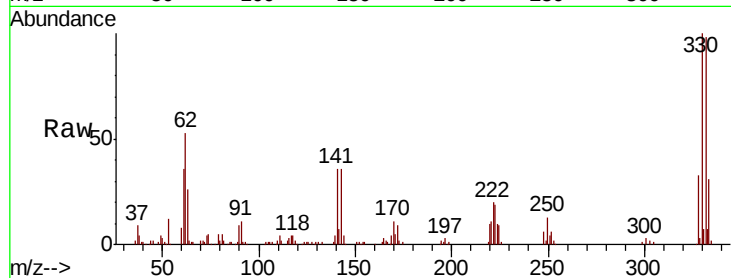




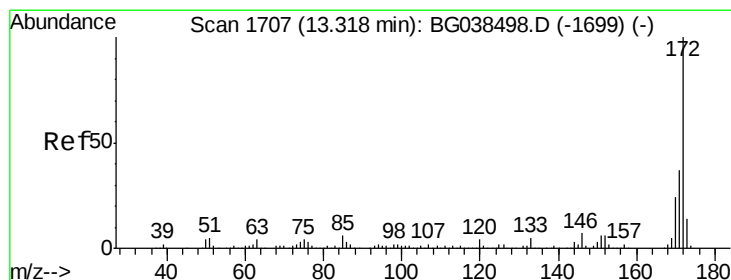
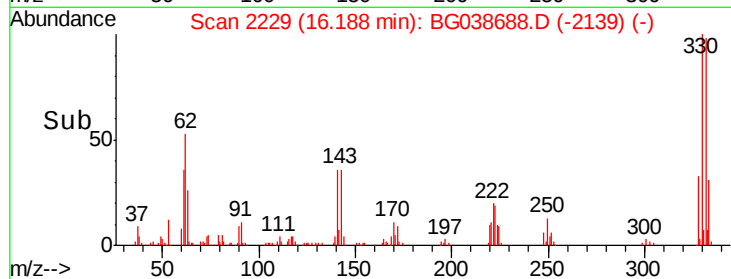
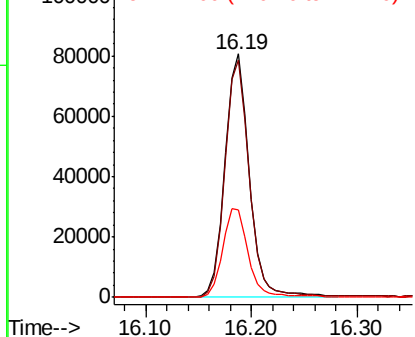
#42
 2,4,6-Tribromophenol
 Concen: 149.405 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.00 min
 Lab File: BG038688.D
 Acq: 18 Dec 2018 8:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.9	115.3
141	38.3	28.8	43.2

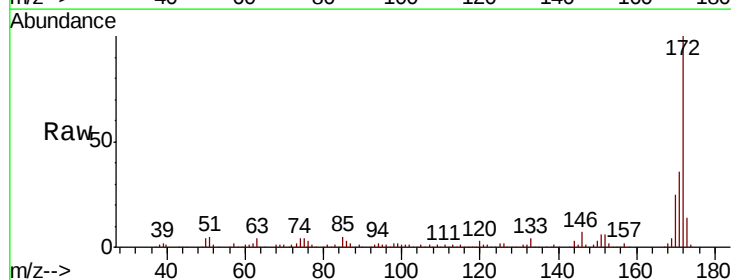


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

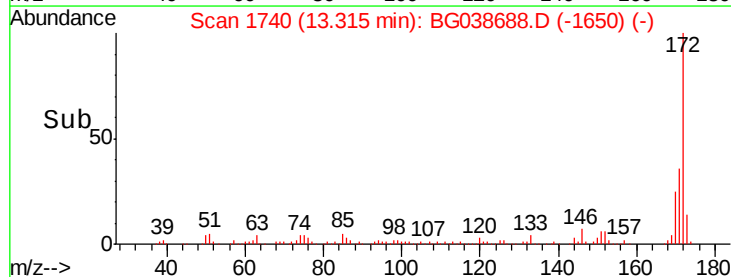
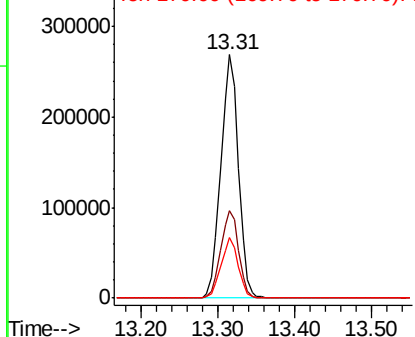


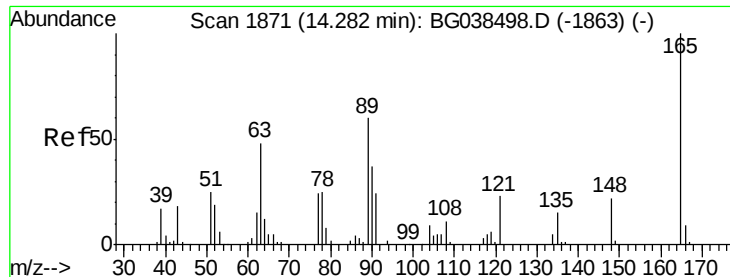
#45
 2-Fluorobiphenyl
 Concen: 92.919 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: BG038688.D
 Acq: 18 Dec 2018 8:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.8	44.6
170	24.8	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

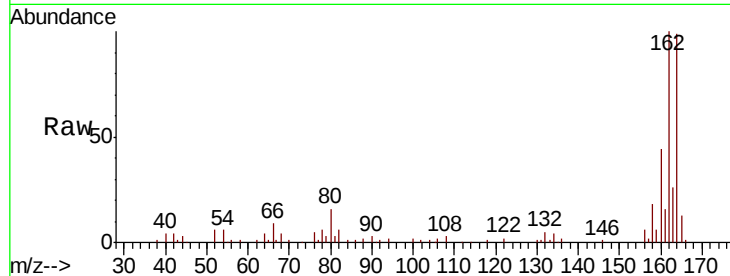




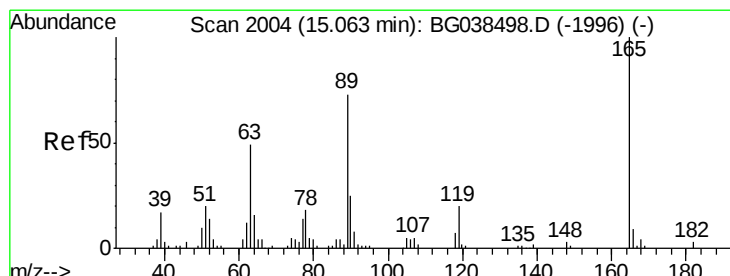
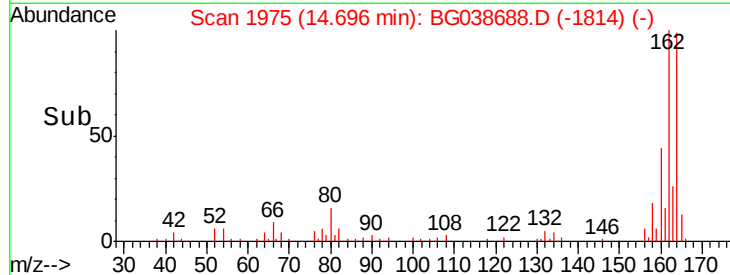
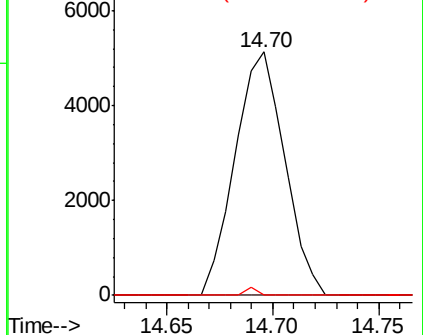
#51
 2,6-Dinitrotoluene
 Concen: 7.175 ng
 RT: 14.70 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038688.D
 Acq: 18 Dec 2018 8:11

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#

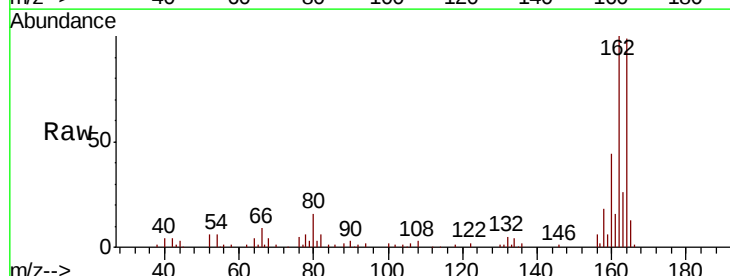


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

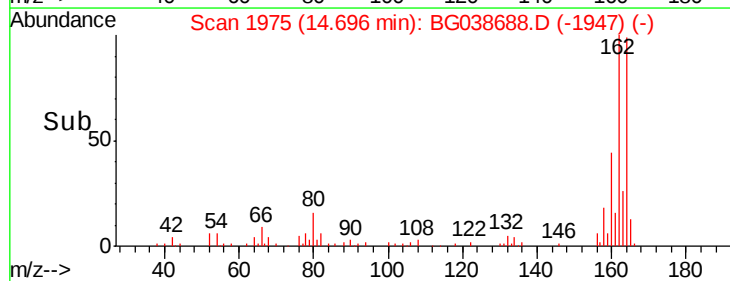
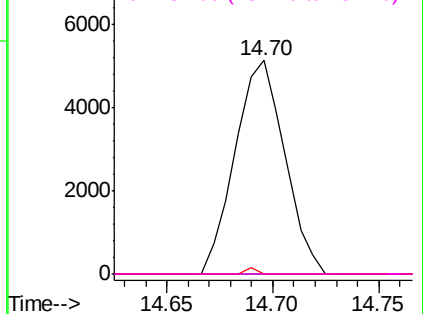


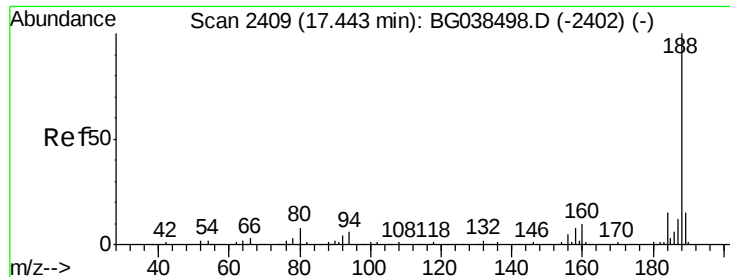
#57
 2,4-Dinitrotoluene
 Concen: 5.094 ng
 RT: 14.70 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038688.D
 Acq: 18 Dec 2018 8:11

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

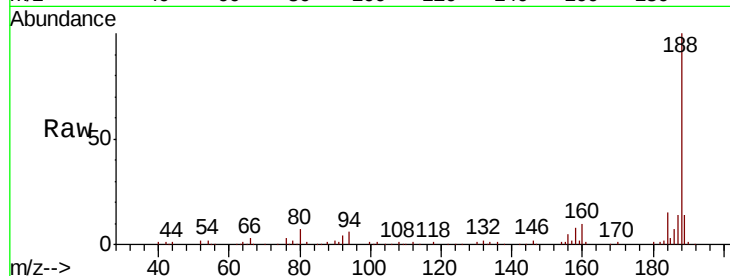




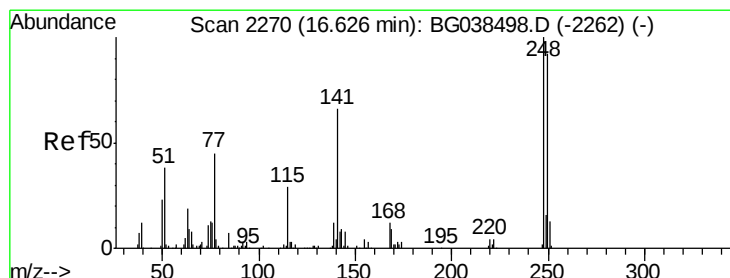
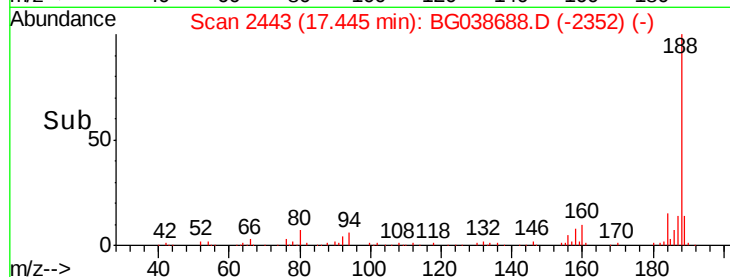
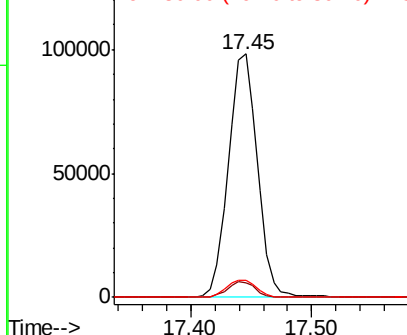
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.45 min Scan# 2443
Delta R.T. 0.00 min
Lab File: BG038688.D
Acq: 18 Dec 2018 8:11

Instrument :
BNA_G
ClientSampled :

Tot Ion:188 Resp: 164429
Ion Ratio Lower Upper
188 100
94 6.0 5.1 7.7
80 7.0 6.1 9.1

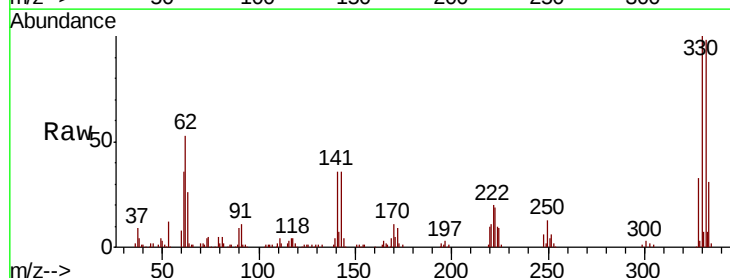


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGO
Ion 80.00 (79.70 to 80.70): BGO

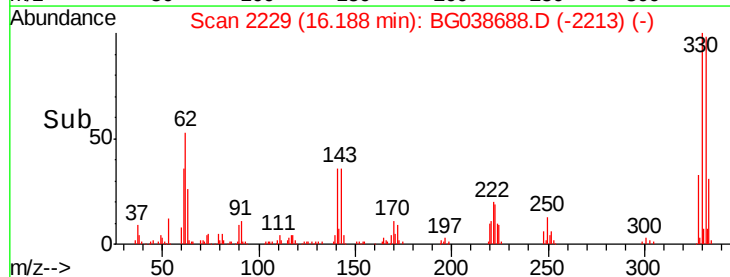
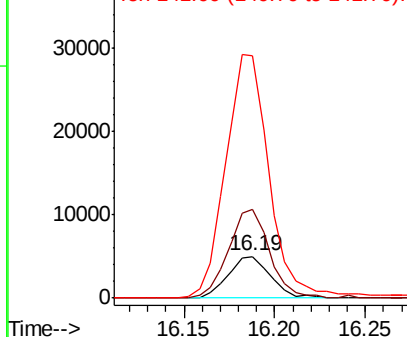


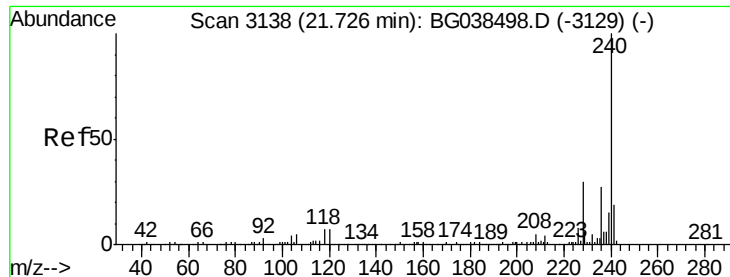
#67
4-Bromophenyl-phenylether
Concen: 4.028 ng
RT: 16.19 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038688.D
Acq: 18 Dec 2018 8:11

Tgt Ion:248 Resp: 8089
Ion Ratio Lower Upper
248 100
250 217.7 73.4 110.2#
141 455.3 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

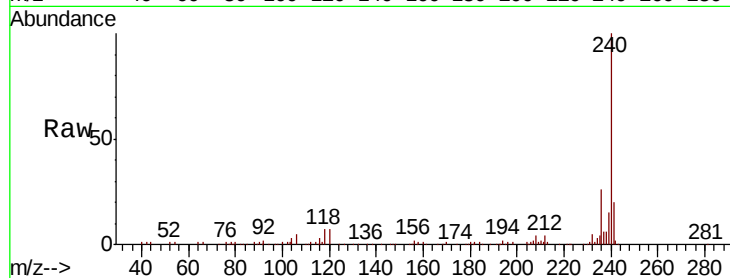




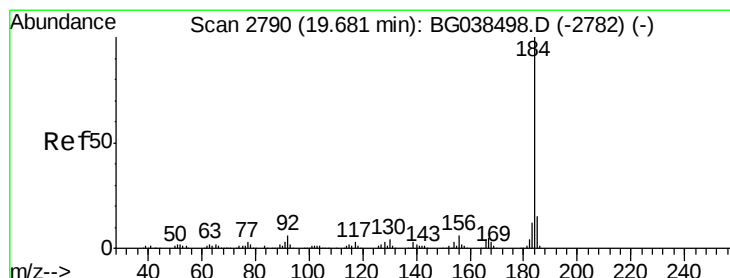
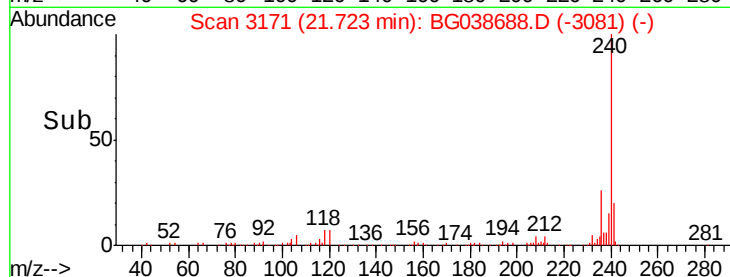
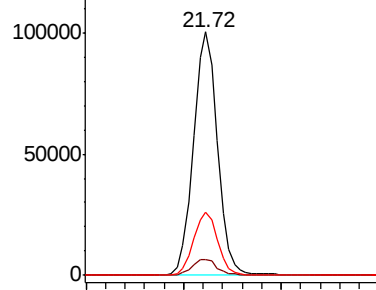
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.00 min
Lab File: BG038688.D
Acq: 18 Dec 2018 8:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:240 Resp: 171101
Ion Ratio Lower Upper
240 100
120 6.6 5.3 7.9
236 25.9 21.4 32.2

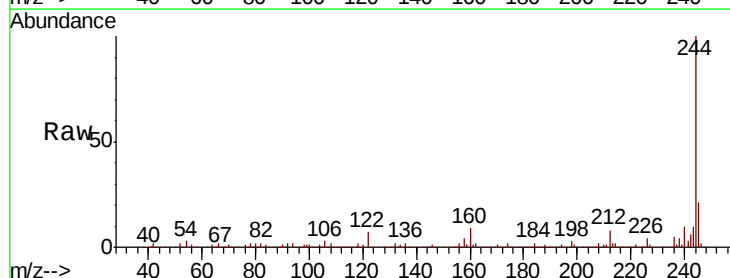


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

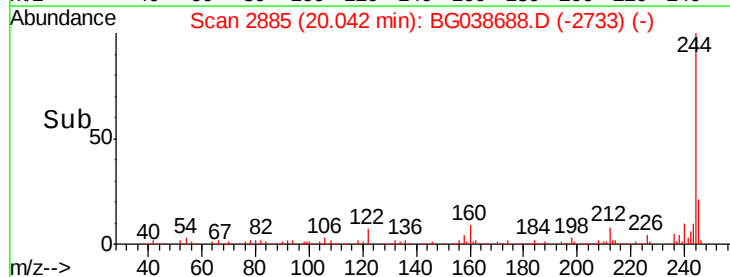
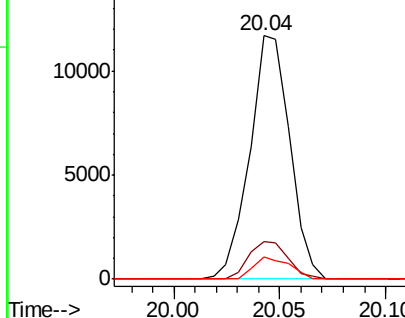


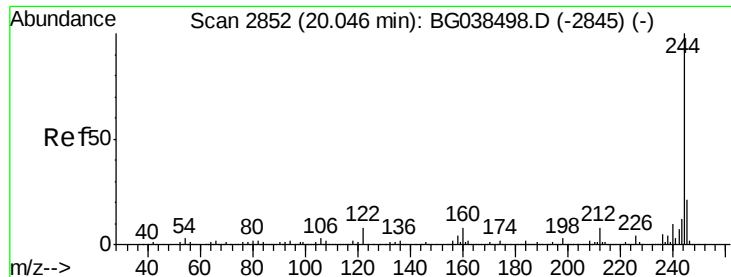
#77
Benzidine
Concen: 3.047 ng
RT: 20.04 min Scan# 2885
Delta R.T. 0.36 min
Lab File: BG038688.D
Acq: 18 Dec 2018 8:11

Tgt Ion:184 Resp: 15418
Ion Ratio Lower Upper
184 100
185 15.6 12.2 18.2
183 9.1 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: 108.078 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG038688.D

Acq: 18 Dec 2018 8:11

Instrument :

BNA_G

ClientSampleId :

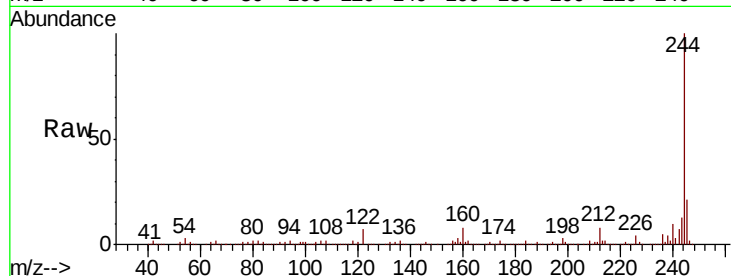
Tot Ion:244 Resp: 849699

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

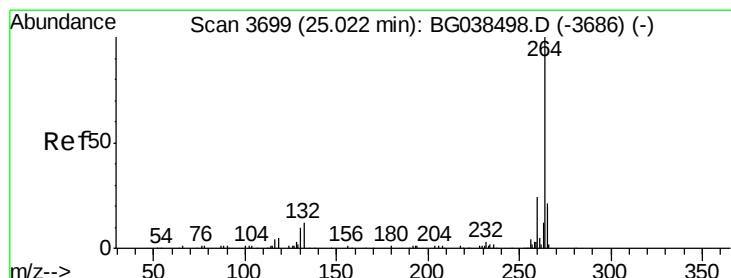
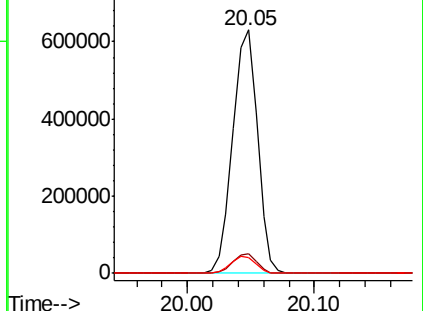
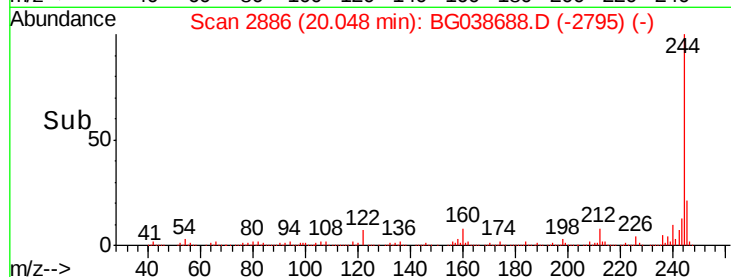
122 6.7 6.3 9.5



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. -0.00 min

Lab File: BG038688.D

Acq: 18 Dec 2018 8:11

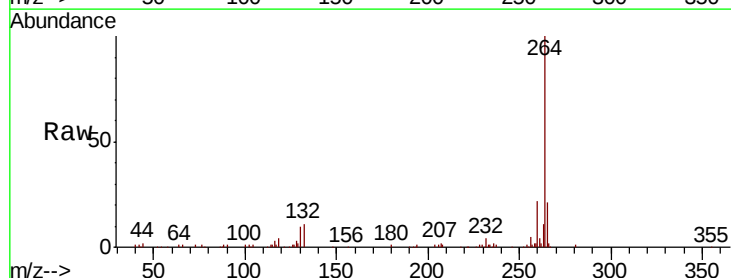
Tgt Ion:264 Resp: 184237

Ion Ratio Lower Upper

264 100

260 21.9 18.9 28.3

265 21.0 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

