

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121518\
 Data File : BG038631.D
 Acq On : 16 Dec 2018 8:47
 Operator : JU/SJ
 Sample : J6340-08
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 17 02:30:11 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

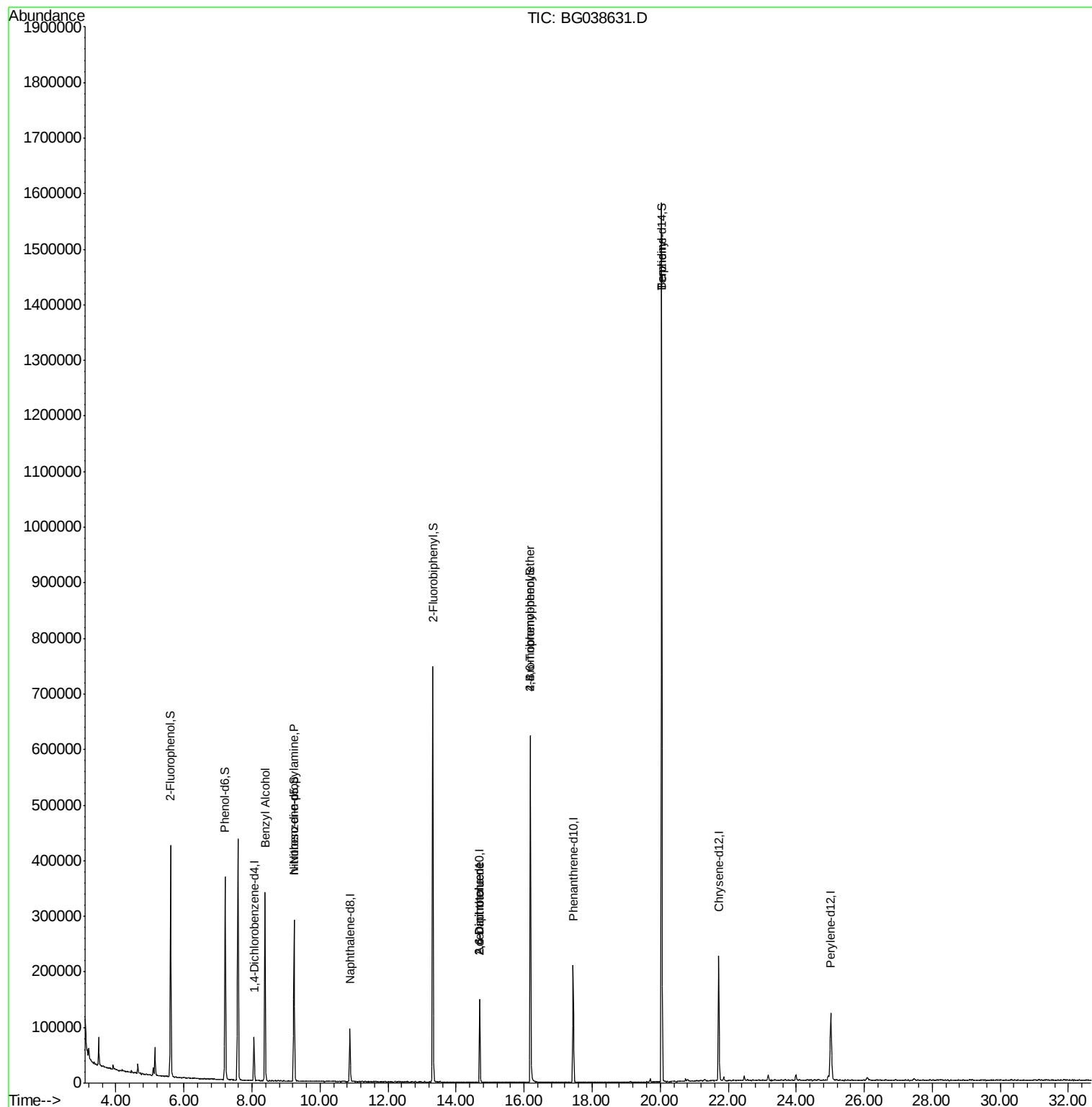
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	21552	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	84164	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	55283	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	140942	20.00	ng	0.00
76) Chrysene-d12	21.72	240	146713	20.00	ng	0.00
87) Perylene-d12	25.02	264	152960	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	171352	141.02	ng	0.00
7) Phenol-d6	7.21	99	203068	121.73	ng	0.00
23) Nitrobenzene-d5	9.24	82	173808	105.50	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	123035	161.48	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	406873	100.97	ng	0.00
79) Terphenyl-d14	20.04	244	783468	116.22	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.38	79	2773	2.130	ng	# 48
19) n-Nitroso-di-n-propylamine	9.23	70	23445	20.011	ng	# 69
51) 2,6-Dinitrotoluene	14.69	165	7021	6.863	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	7021	4.872	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	7775	4.517	ng	# 1
77) Benzidine	20.04	184	14130	3.257	ng	# 96

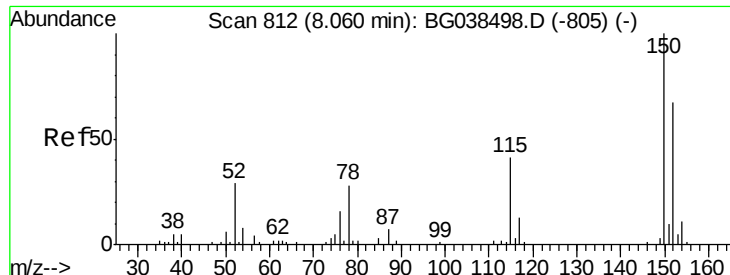
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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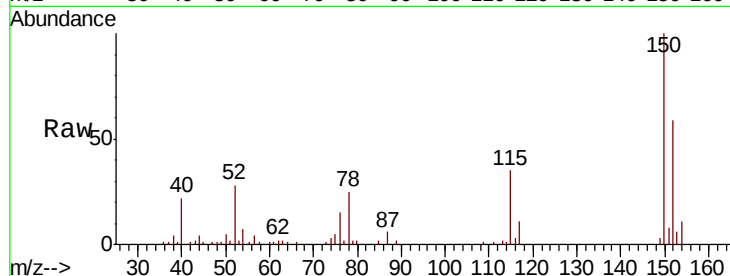


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038631.D
Acq: 16 Dec 2018 8:47

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	169.4	119.5	179.3
115	59.8	49.6	74.4

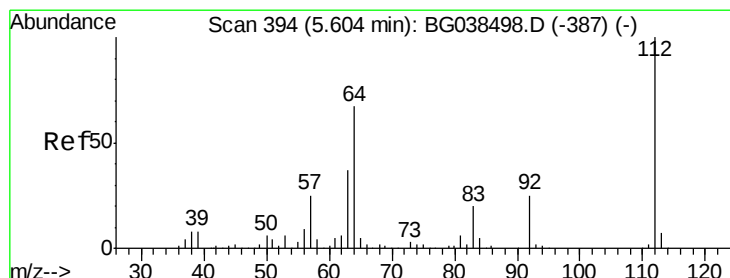
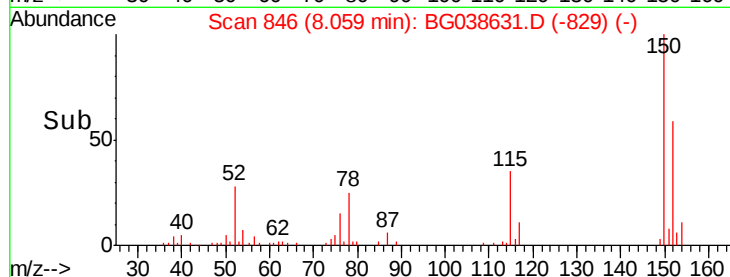
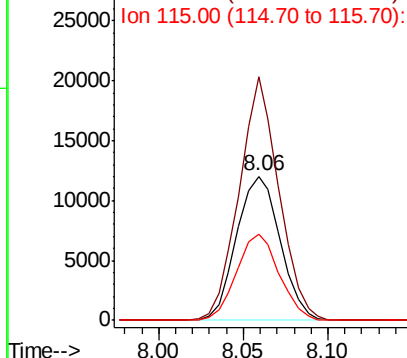


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

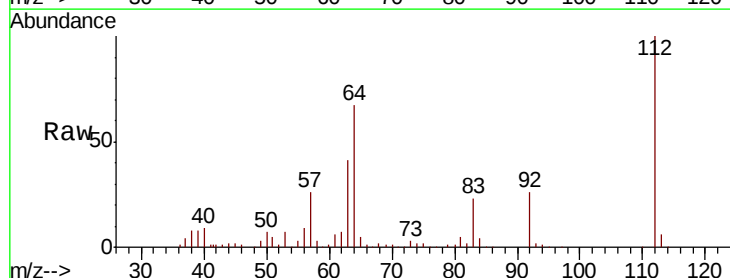
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 141.017 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038631.D
Acq: 16 Dec 2018 8:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.1	53.4	80.2
63	40.9	29.3	43.9

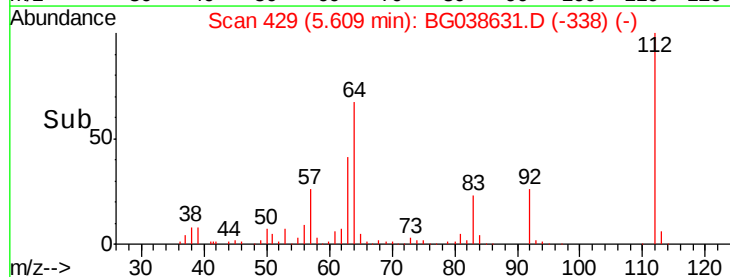
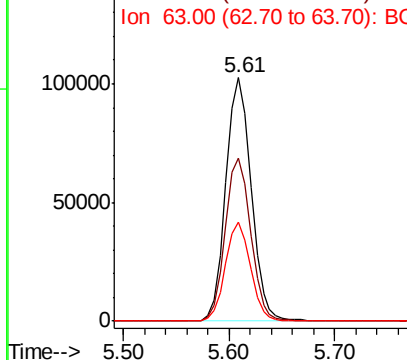


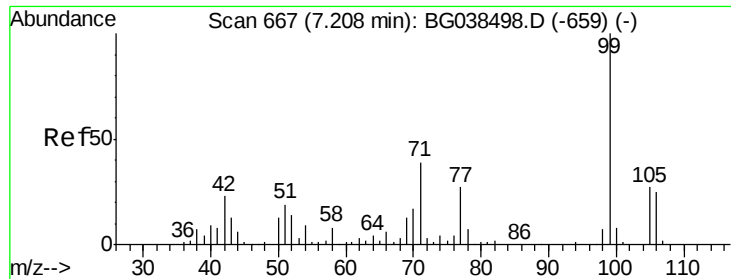
Abundance

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: 121.734 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038631.D

Acq: 16 Dec 2018 8:47

Instrument :

BNA_G

ClientSampled :

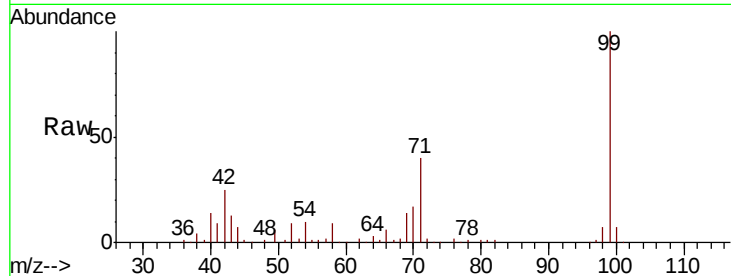
Tot Ion: 99 Resp: 203068

Ion Ratio Lower Upper

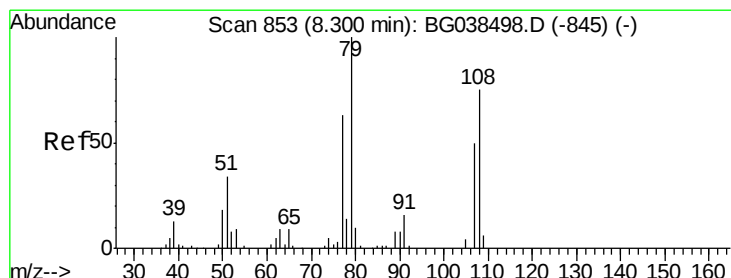
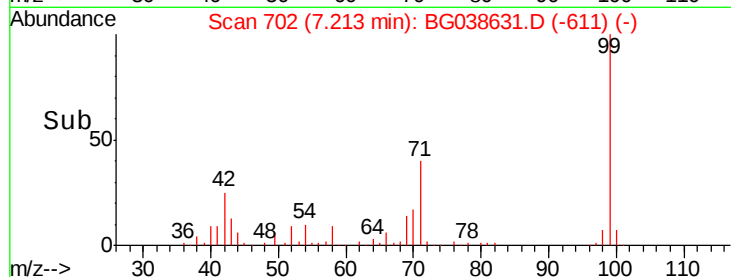
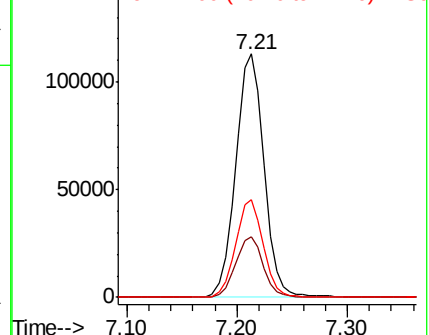
99 100

42 24.9 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: 2.130 ng

RT: 8.38 min Scan# 900

Delta R.T. 0.08 min

Lab File: BG038631.D

Acq: 16 Dec 2018 8:47

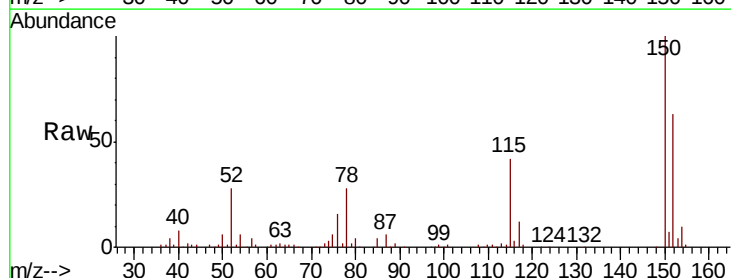
Tgt Ion: 79 Resp: 2773

Ion Ratio Lower Upper

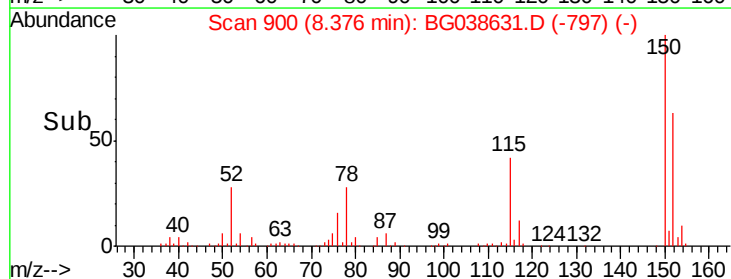
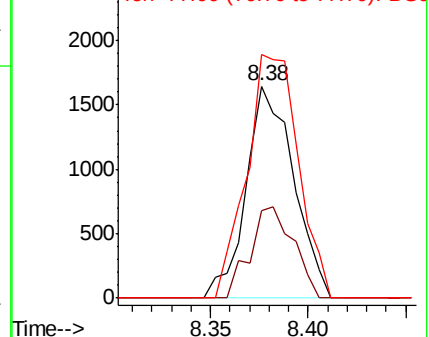
79 100

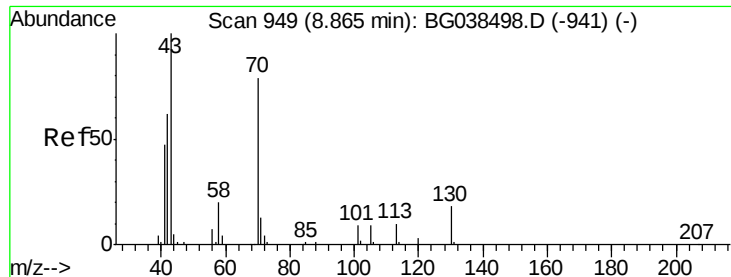
108 41.4 60.2 90.4#

77 114.7 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

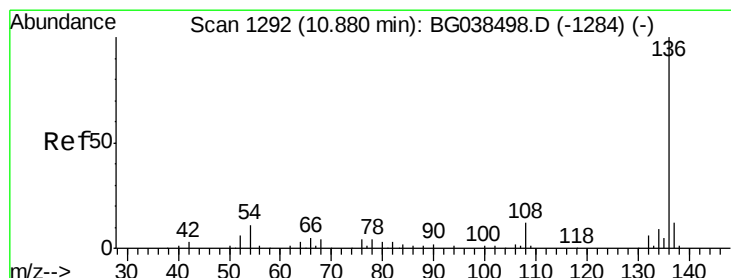
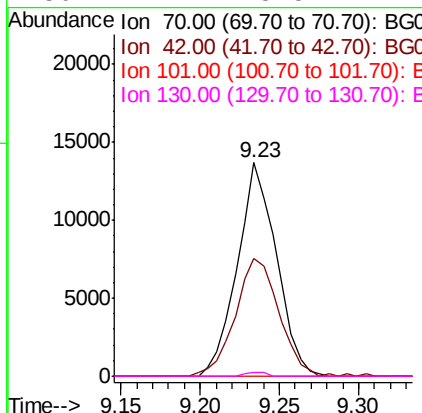
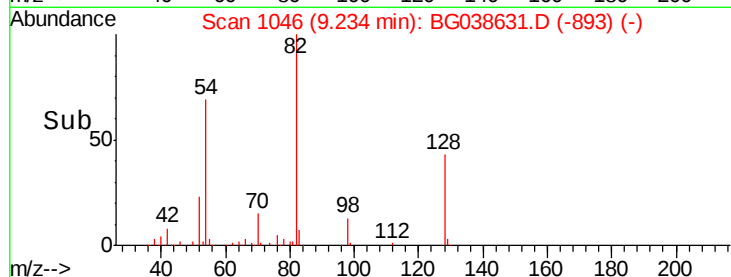
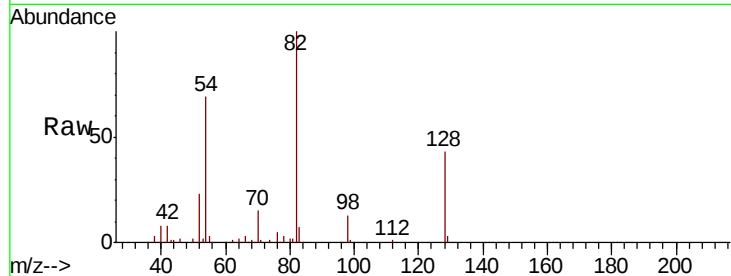




#19
n-Nitroso-di-n-propylamine
Concen: 20.011 ng
RT: 9.23 min Scan# 1046
Delta R.T. 0.37 min
Lab File: BG038631.D
Acq: 16 Dec 2018 8:47

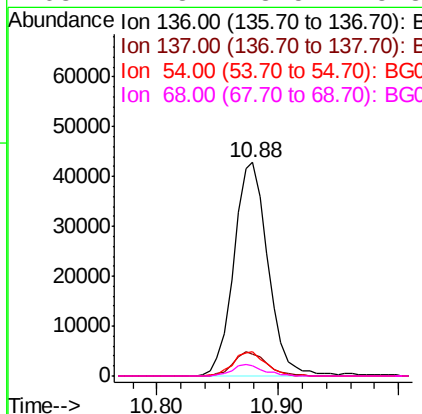
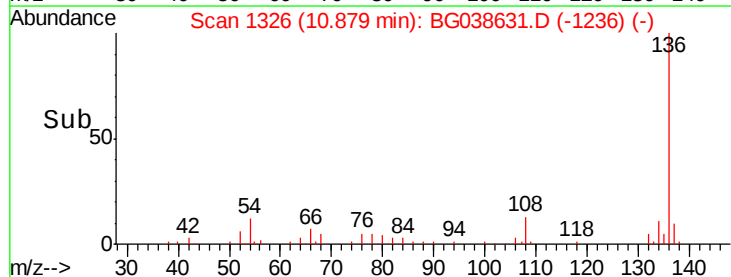
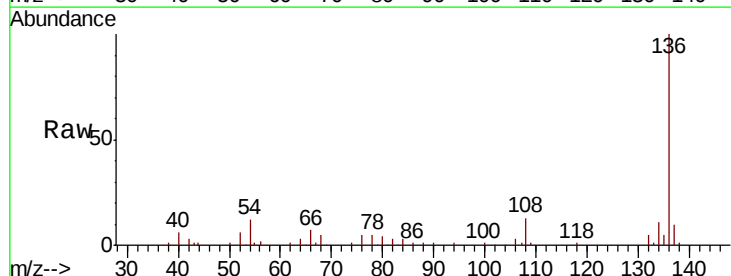
Instrument :
BNA_G
ClientSampleId :

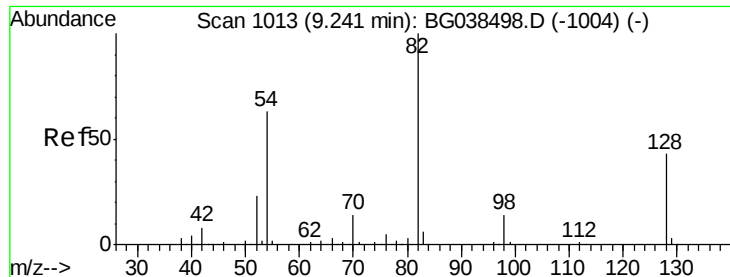
Tot Ion: 70 Resp: 23445
Ion Ratio Lower Upper
70 100
42 55.1 63.6 95.4#
101 0.0 9.2 13.8#
130 1.7 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG038631.D
Acq: 16 Dec 2018 8:47

Tgt Ion:136 Resp: 84164
Ion Ratio Lower Upper
136 100
137 10.5 9.3 13.9
54 11.6 8.5 12.7
68 4.8 3.5 5.3

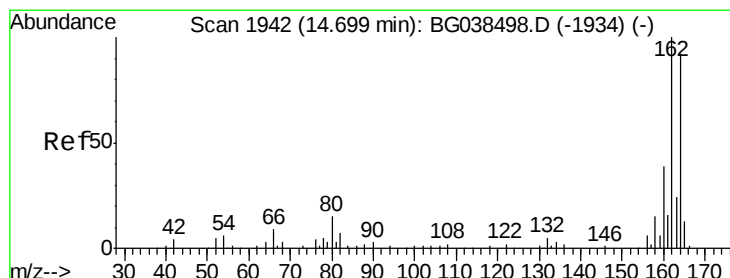
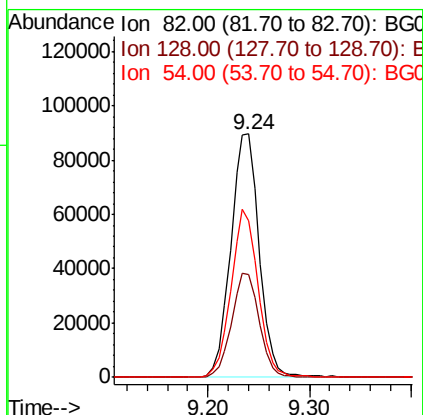
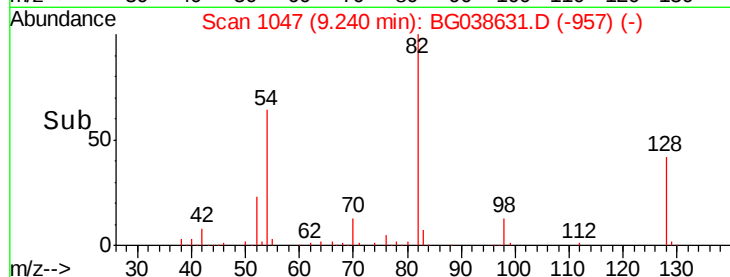
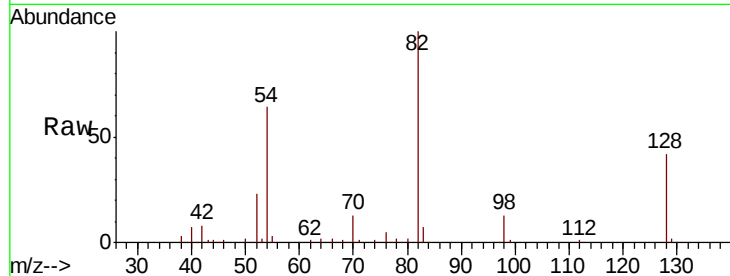




#23
Nitrobenzene-d5
Concen: 105.501 ng
RT: 9.24 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BG038631.D
Acq: 16 Dec 2018 8:47

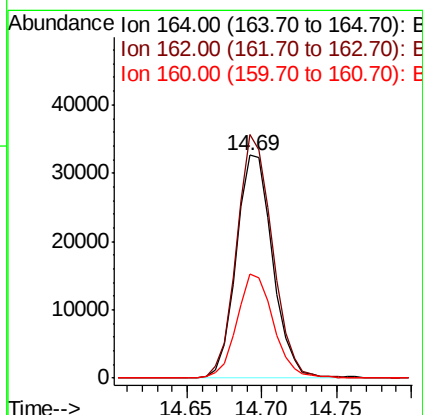
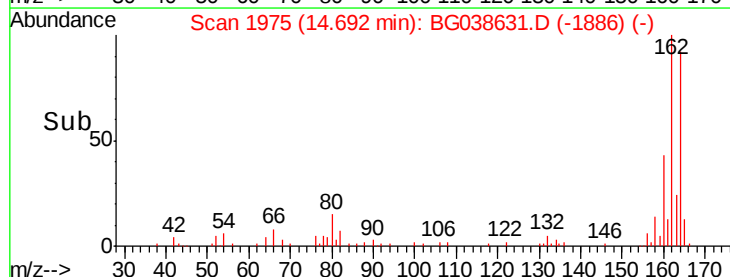
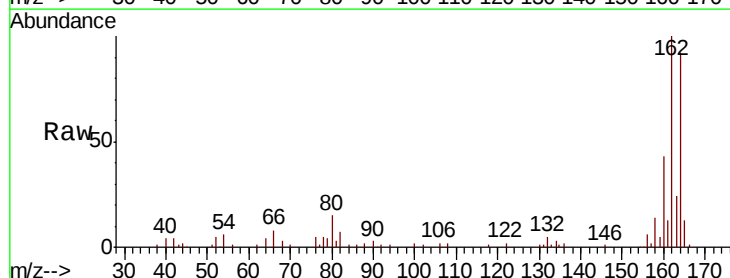
Instrument :
BNA_G
ClientSampled :

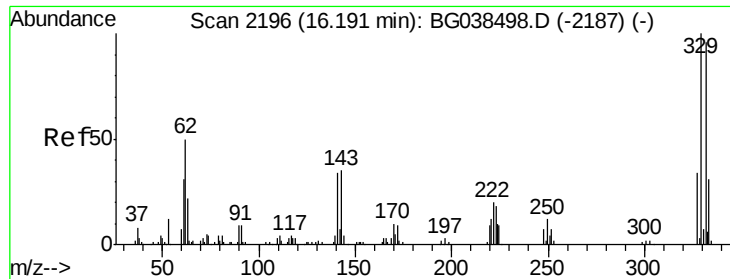
Tot Ion: 82 Resp: 173808
Ion Ratio Lower Upper
82 100
128 42.4 34.6 52.0
54 64.4 50.6 76.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BG038631.D
Acq: 16 Dec 2018 8:47

Tgt Ion:164 Resp: 55283
Ion Ratio Lower Upper
164 100
162 109.2 86.6 130.0
160 46.5 34.2 51.2

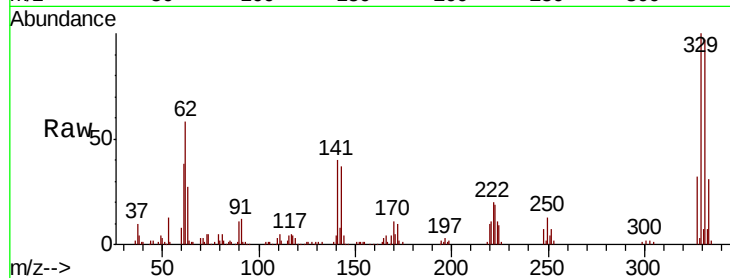




#42
 2,4,6-Tribromophenol
 Concen: 161.485 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.01 min
 Lab File: BG038631.D
 Acq: 16 Dec 2018 8:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.9	115.3
141	38.0	28.8	43.2

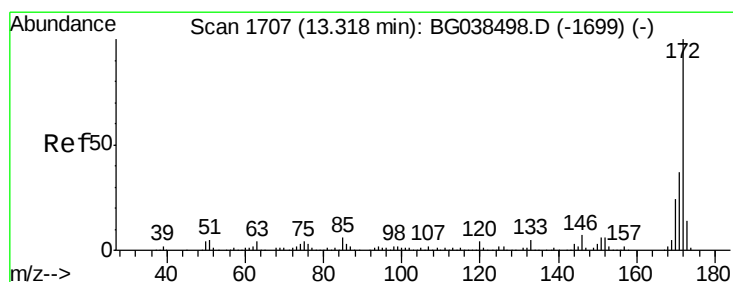
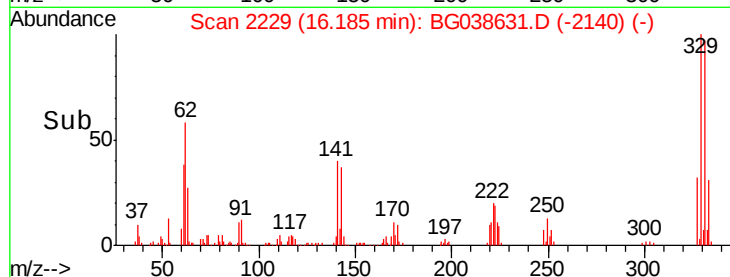
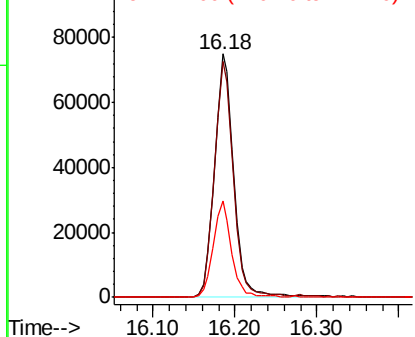


Abundance

Ion 329.80 (329.50 to 330.50): E

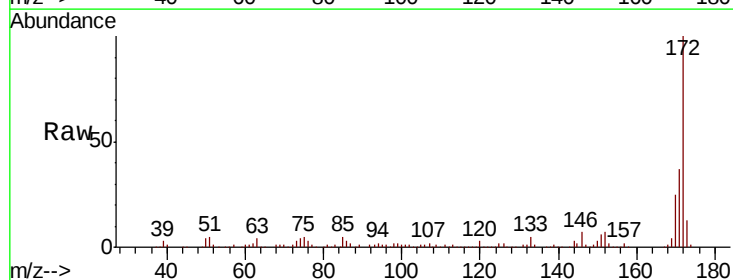
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 100.966 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG038631.D
 Acq: 16 Dec 2018 8:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.8	44.6
170	25.3	19.5	29.3

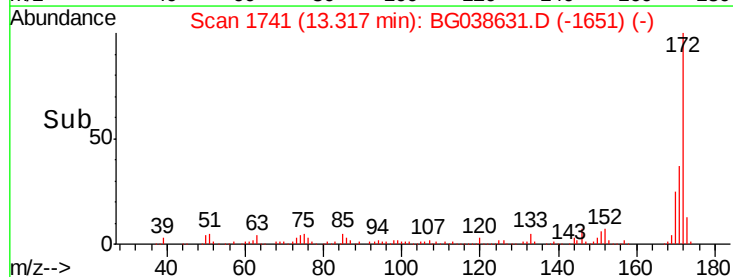
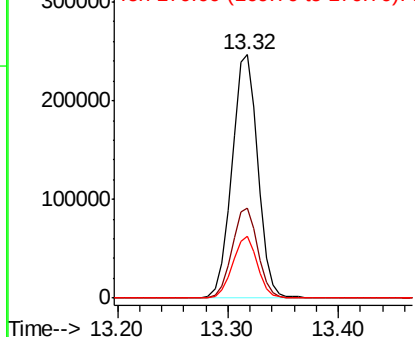


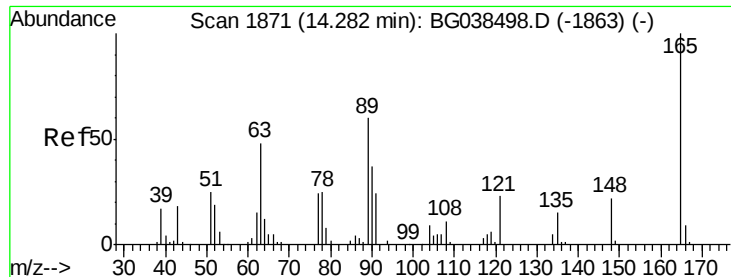
Abundance

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

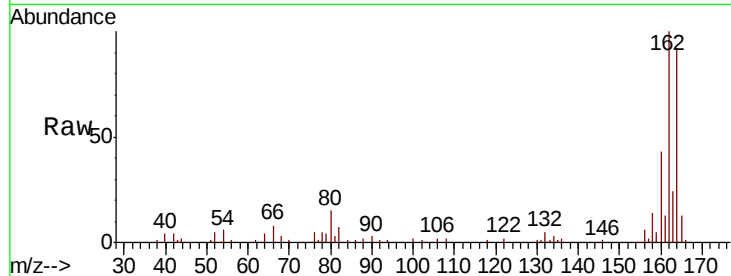




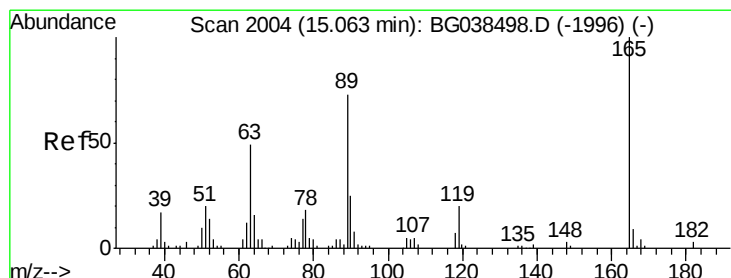
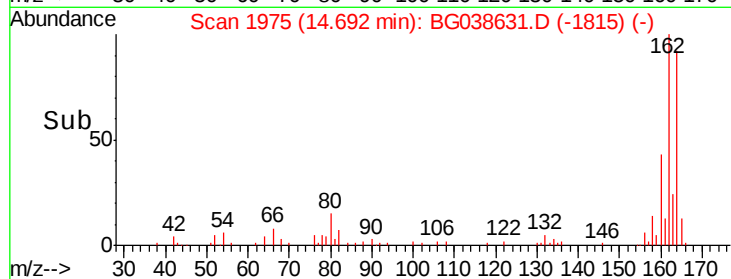
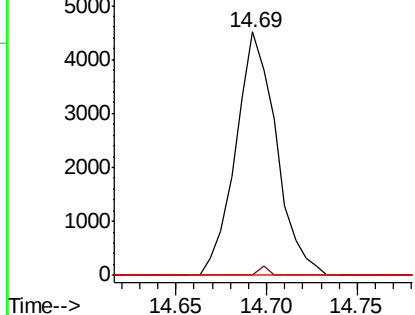
#51
 2,6-Dinitrotoluene
 Concen: 6.863 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038631.D
 Acq: 16 Dec 2018 8:47

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#

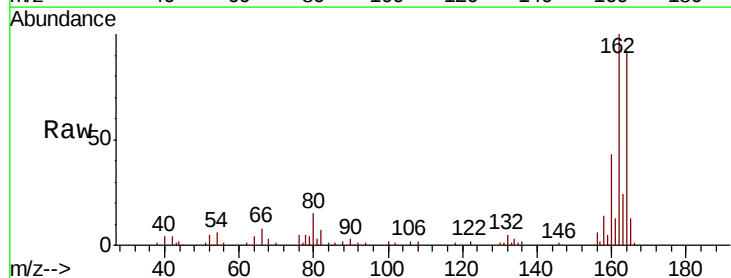


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

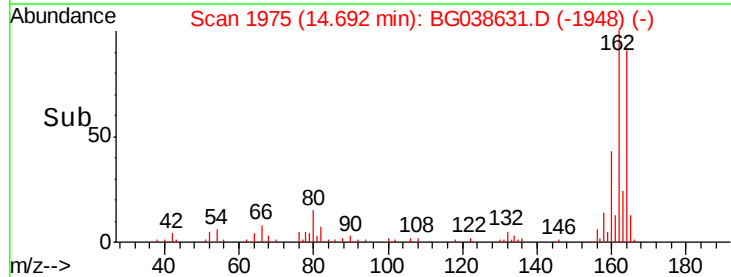
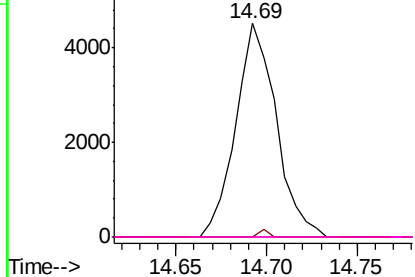


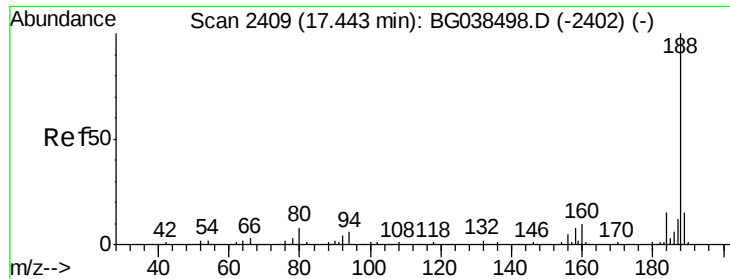
#57
 2,4-Dinitrotoluene
 Concen: 4.872 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038631.D
 Acq: 16 Dec 2018 8:47

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

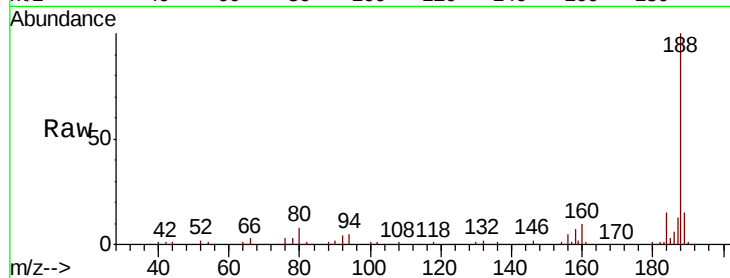




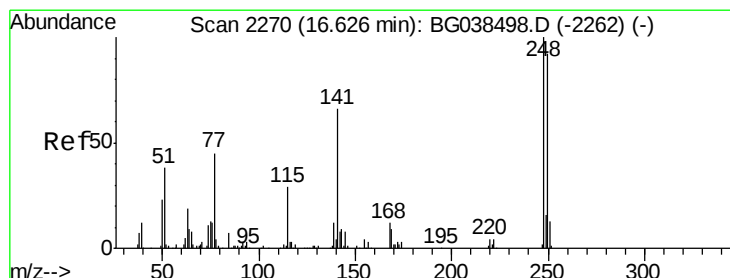
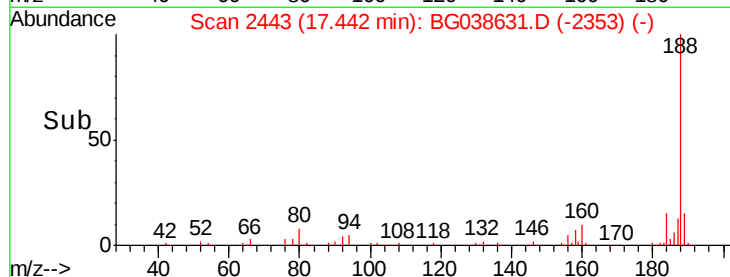
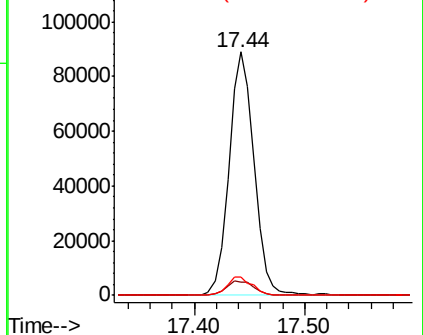
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG038631.D
 Acq: 16 Dec 2018 8:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 140942
 Ion Ratio Lower Upper
 188 100
 94 5.4 5.1 7.7
 80 7.6 6.1 9.1

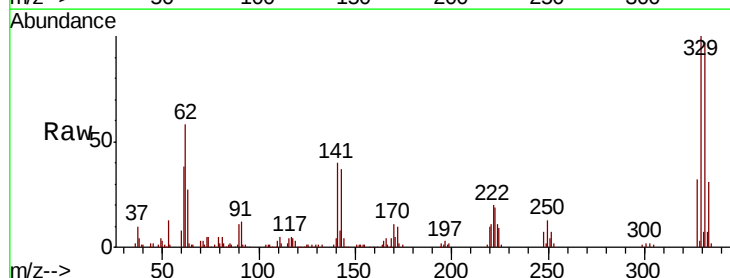


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGO
 Ion 80.00 (79.70 to 80.70): BGO

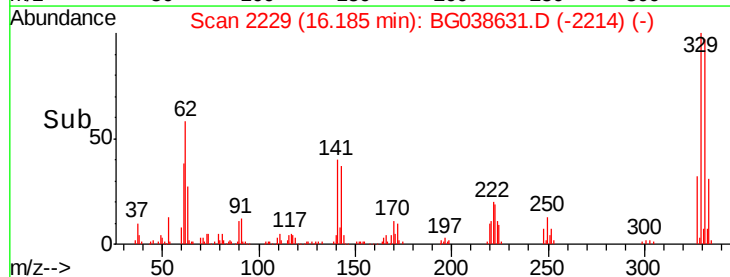
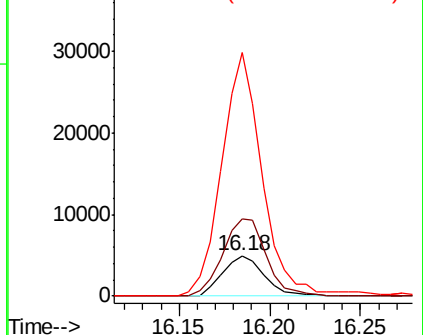


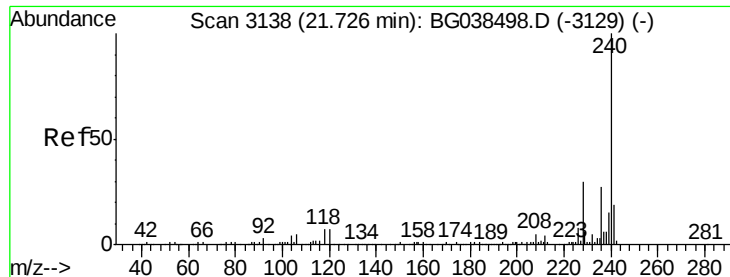
#67
 4-Bromophenyl-phenylether
 Concen: 4.517 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038631.D
 Acq: 16 Dec 2018 8:47

Tgt Ion:248 Resp: 7775
 Ion Ratio Lower Upper
 248 100
 250 181.5 73.4 110.2#
 141 439.2 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: BG038631.D

Acq: 16 Dec 2018 8:47

Instrument :

BNA_G

ClientSampleId :

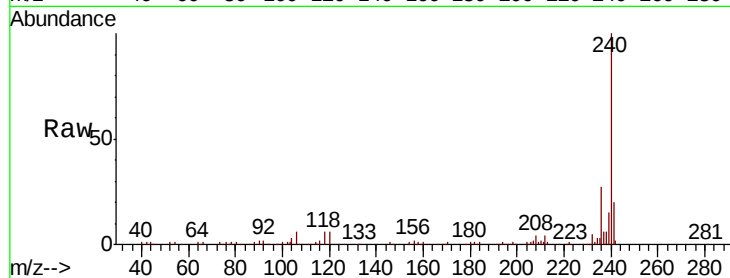
Tot Ion:240 Resp: 146713

Ion Ratio Lower Upper

240 100

120 6.3 5.3 7.9

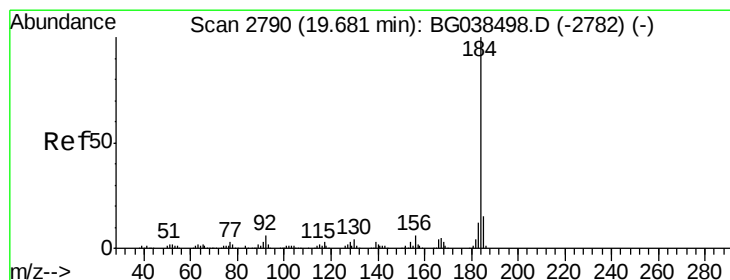
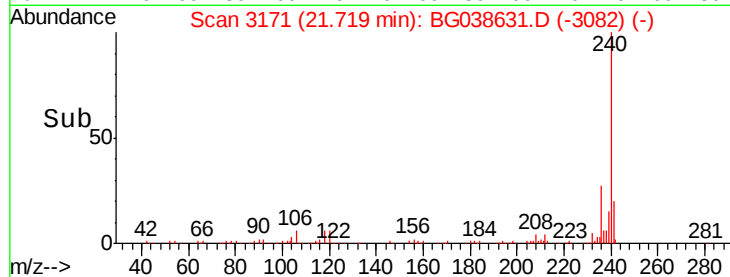
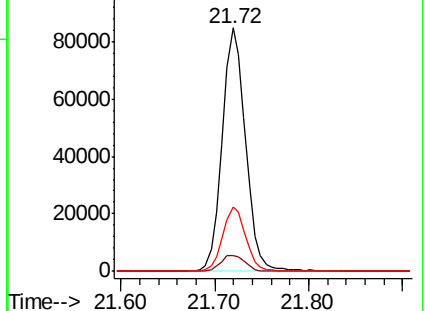
236 26.6 21.4 32.2



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: 3.257 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038631.D

Acq: 16 Dec 2018 8:47

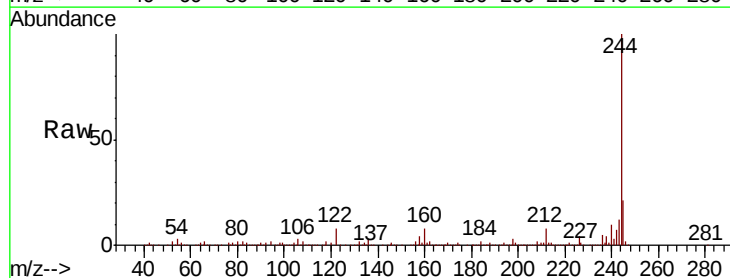
Tgt Ion:184 Resp: 14130

Ion Ratio Lower Upper

184 100

185 15.1 12.2 18.2

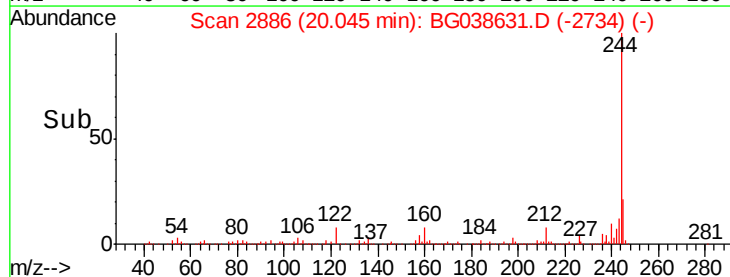
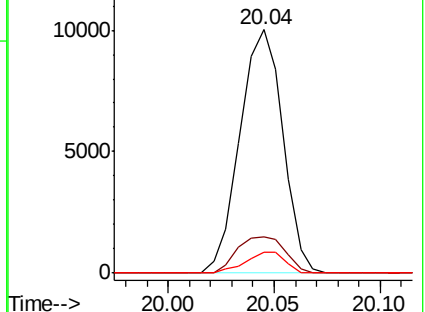
183 8.6 9.6 14.4#

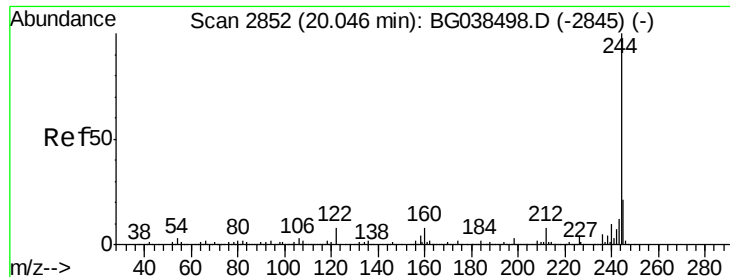


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 116.219 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038631.D

Acq: 16 Dec 2018 8:47

Instrument :

BNA_G

ClientSampleId :

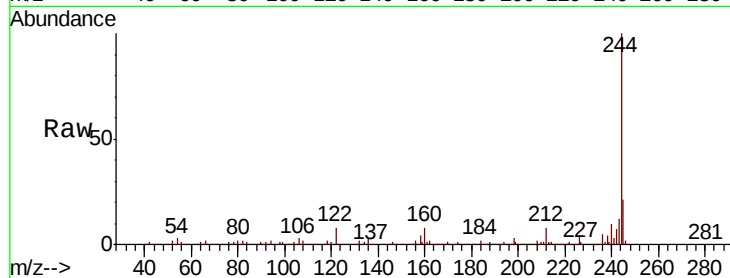
Tot Ion:244 Resp: 783468

Ion Ratio Lower Upper

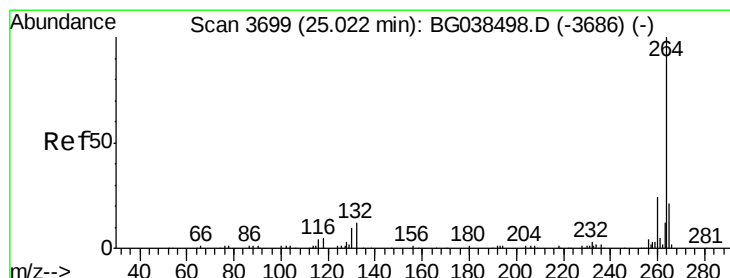
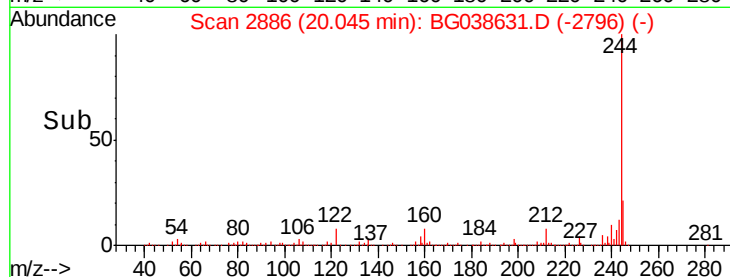
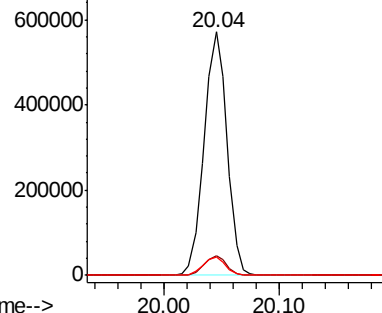
244 100

212 7.9 6.2 9.2

122 7.8 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: BG038631.D

Acq: 16 Dec 2018 8:47

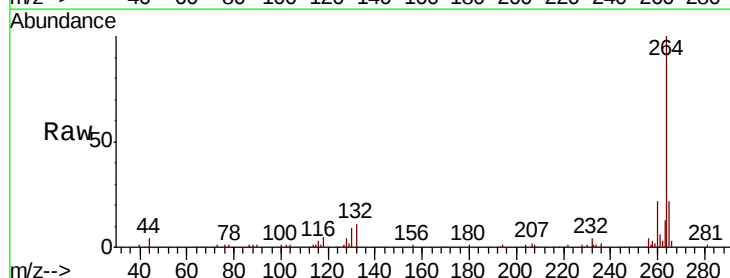
Tgt Ion:264 Resp: 152960

Ion Ratio Lower Upper

264 100

260 21.7 18.9 28.3

265 21.8 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

