

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
 Data File : BG038783.D
 Acq On : 21 Dec 2018 12:06
 Operator : JU/SJ
 Sample : J6446-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 21 13:21:23 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

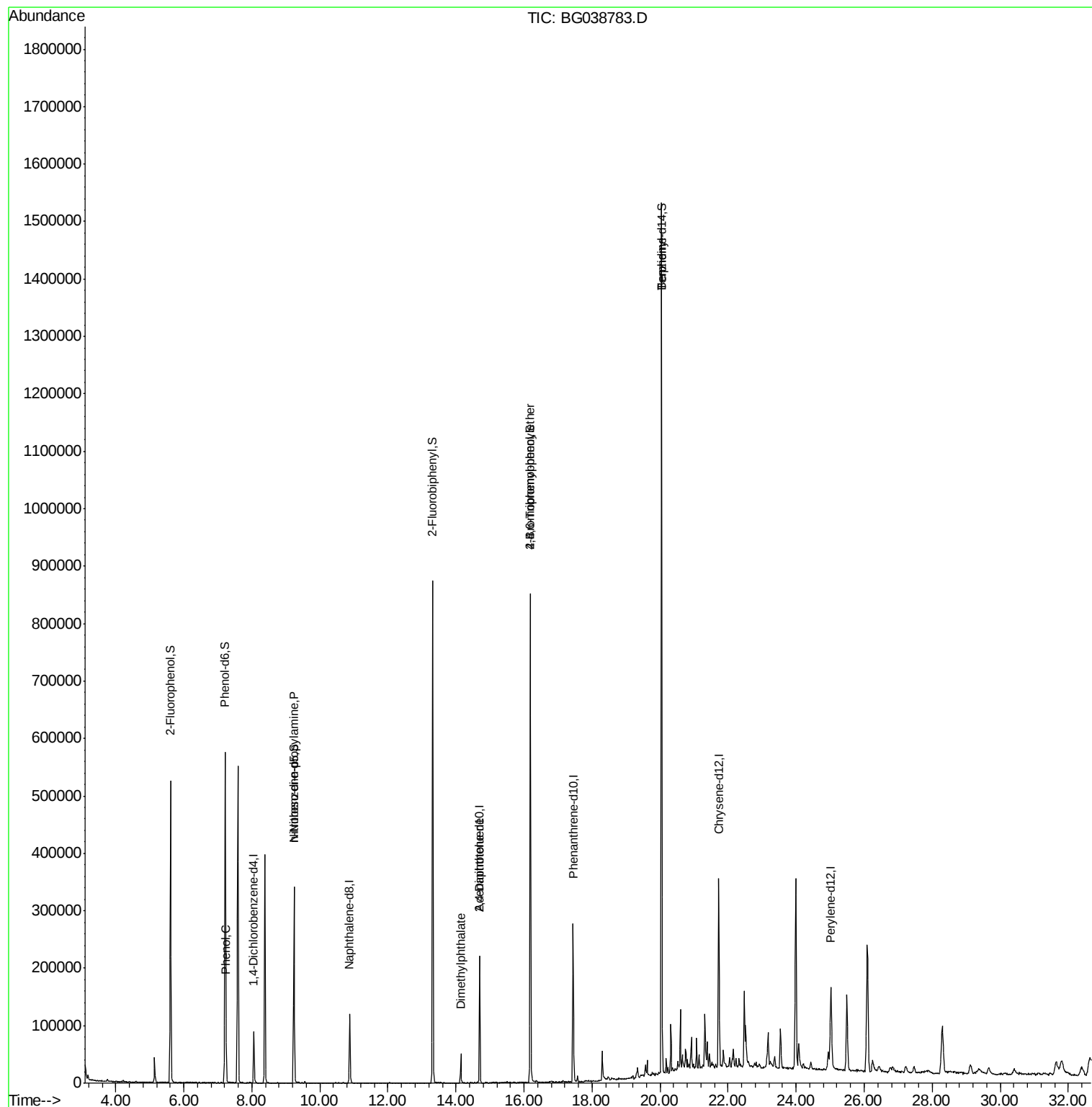
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	26336	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	107148	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	77246	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	186419	20.00	ng	0.00
76) Chrysene-d12	21.72	240	174064	20.00	ng	0.00
87) Perylene-d12	25.02	264	181925	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	234919	158.21	ng	0.00
7) Phenol-d6	7.22	99	337197	165.42	ng	0.00
23) Nitrobenzene-d5	9.24	82	205588	98.02	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	175644	164.99	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	471913	83.81	ng	0.00
79) Terphenyl-d14	20.04	244	750764	93.87	ng	0.00
Target Compounds						
10) Phenol	7.24	94	24104	11.130	ng	98
19) n-Nitroso-di-n-propylamine	9.24	70	27782	19.405	ng	# 73
50) Dimethylphthalate	14.14	163	36560	5.796	ng	97
57) 2,4-Dinitrotoluene	14.70	165	10276	5.104	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	11720	5.148	ng	# 1
77) Benzidine	20.05	184	13422	2.607	ng	98

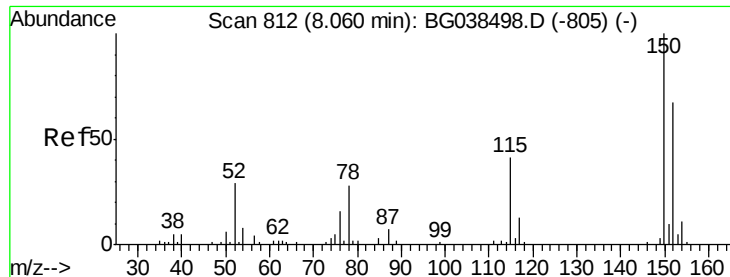
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 21 13:21:23 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



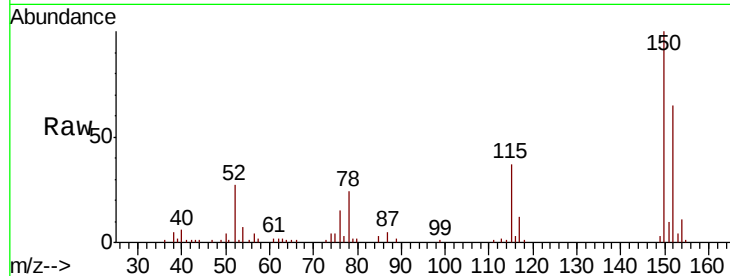


#1

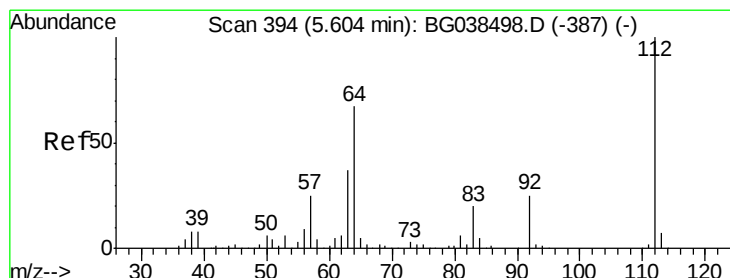
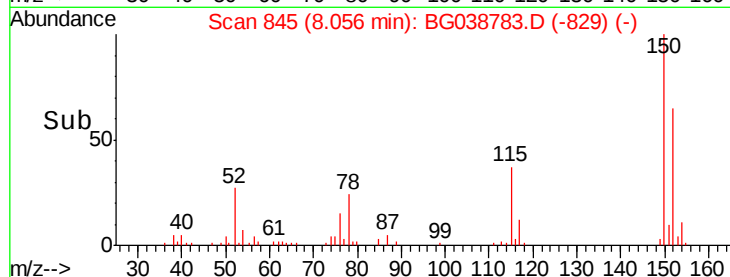
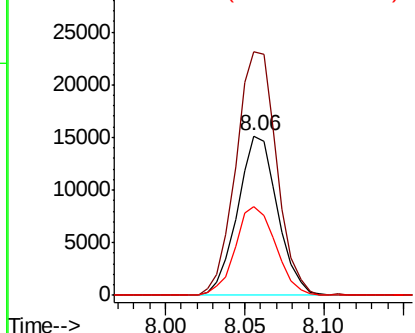
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG038783.D
Acq: 21 Dec 2018 12:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 26336
Ion Ratio Lower Upper
152 100
150 152.9 119.5 179.3
115 55.9 49.6 74.4



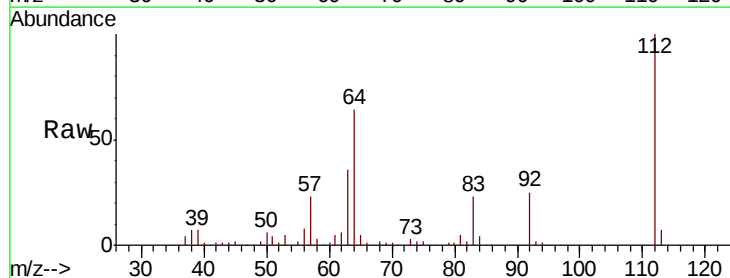
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



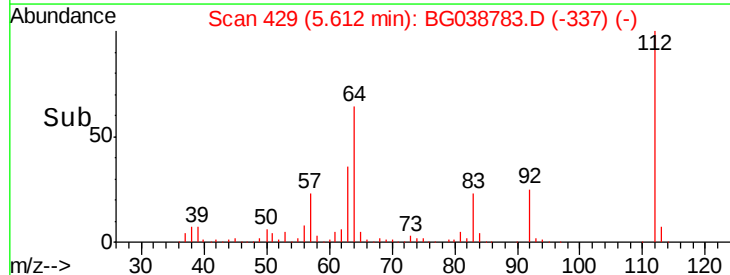
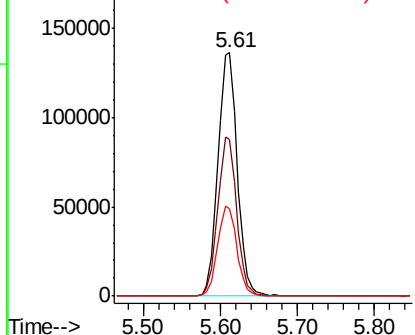
#5

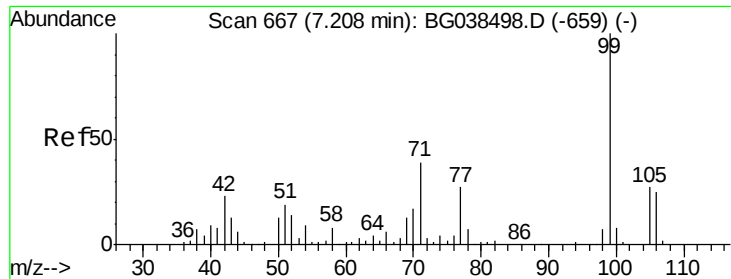
2-Fluorophenol
Concen: 158.211 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038783.D
Acq: 21 Dec 2018 12:06

Tgt Ion:112 Resp: 234919
Ion Ratio Lower Upper
112 100
64 64.2 53.4 80.2
63 36.2 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: 165.422 ng

RT: 7.22 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038783.D

Acq: 21 Dec 2018 12:06

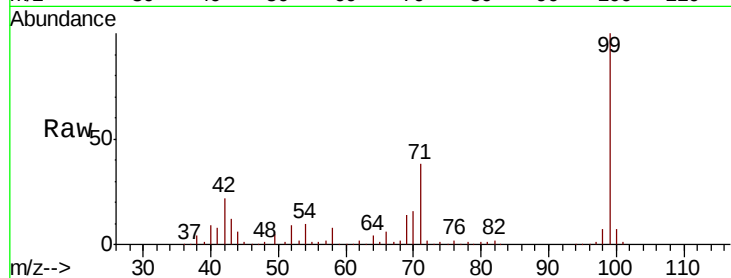
Instrument :

BNA_G

ClientSampled :

Tot Ion: 99 Resp: 337197

Ion	Ratio	Lower	Upper
99	100		
42	21.9	18.5	27.7
71	37.8	31.1	46.7

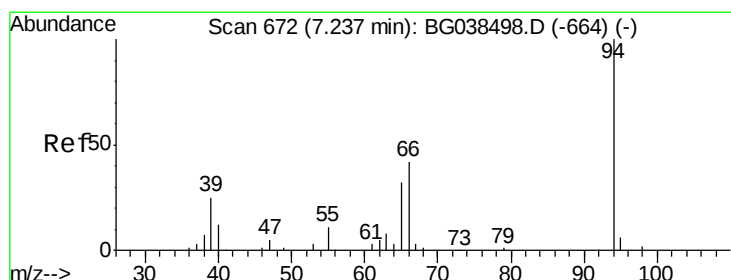
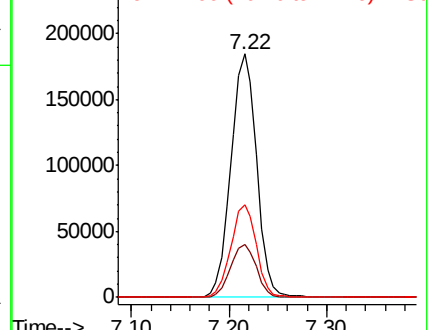
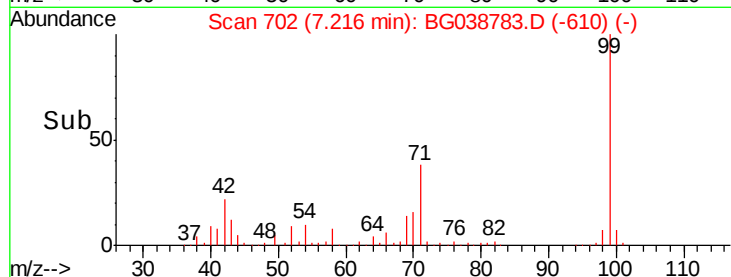


Abundance

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: 11.130 ng

RT: 7.24 min Scan# 707

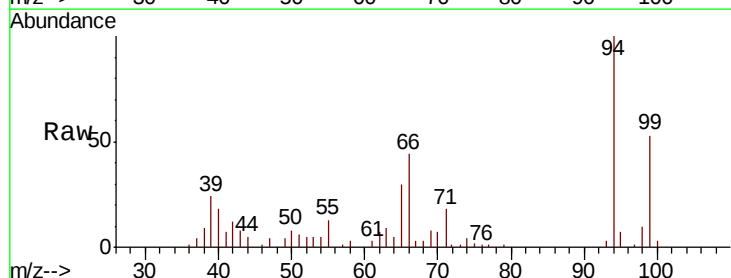
Delta R.T. 0.01 min

Lab File: BG038783.D

Acq: 21 Dec 2018 12:06

Tgt Ion: 94 Resp: 24104

Ion	Ratio	Lower	Upper
94	100		
65	30.0	12.6	52.6
66	44.4	24.1	64.1

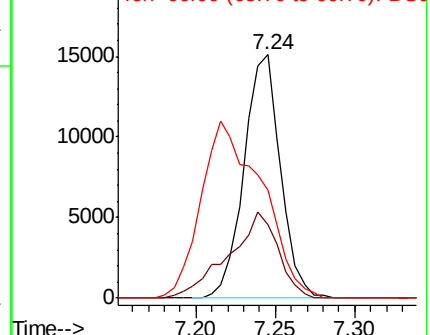
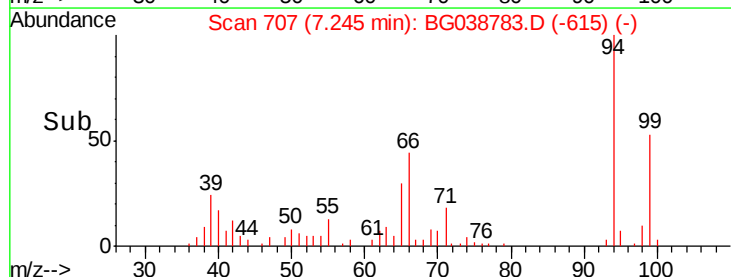


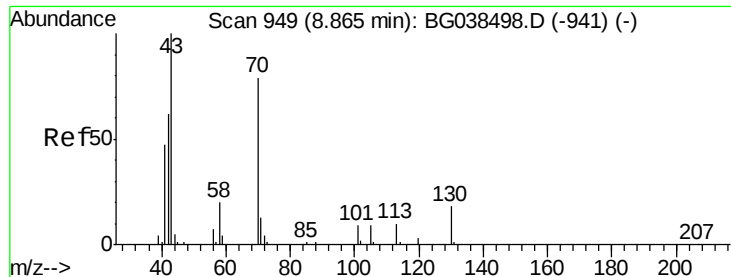
Abundance

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

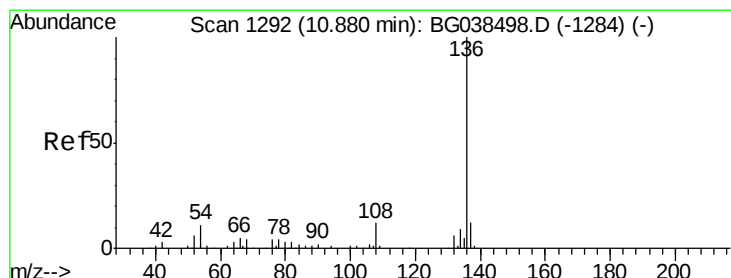
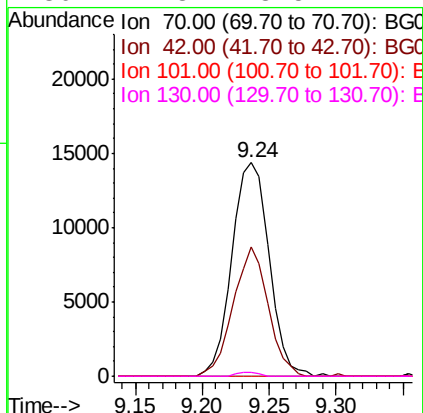
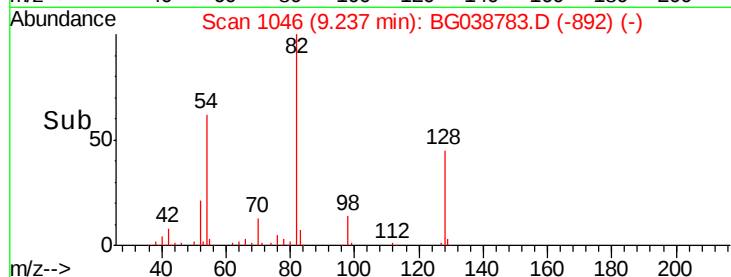
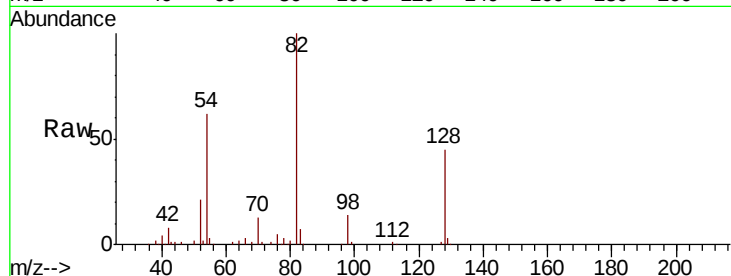




#19
n-Nitroso-di-n-propylamine
Concen: 19.405 ng
RT: 9.24 min Scan# 1046
Delta R.T. 0.37 min
Lab File: BG038783.D
Acq: 21 Dec 2018 12:06

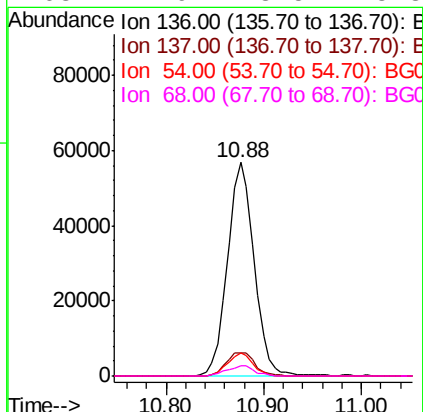
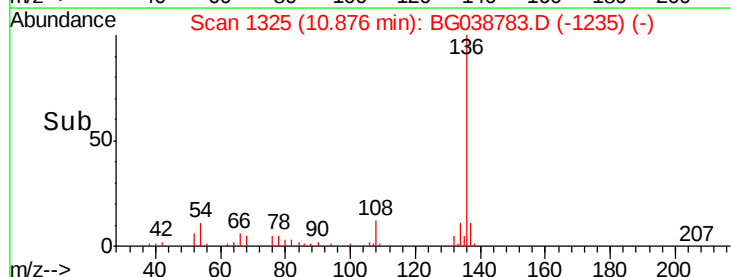
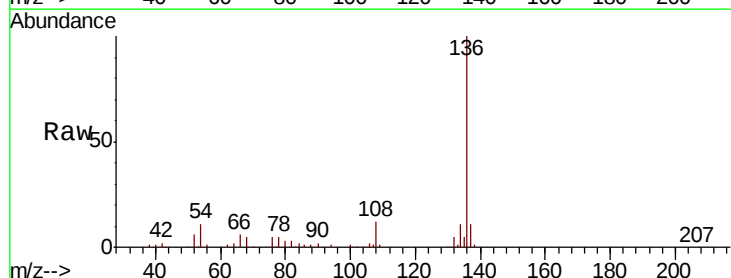
Instrument :
BNA_G
ClientSampleId :

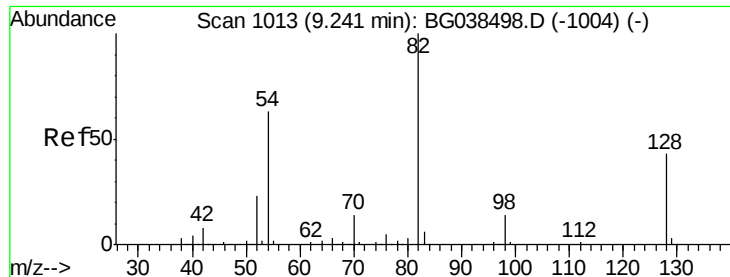
Tot Ion: 70 Resp: 27782
Ion Ratio Lower Upper
70 100
42 60.3 63.6 95.4#
101 0.0 9.2 13.8#
130 1.8 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BG038783.D
Acq: 21 Dec 2018 12:06

Tgt Ion: 136 Resp: 107148
Ion Ratio Lower Upper
136 100
137 11.0 9.3 13.9
54 10.7 8.5 12.7
68 4.9 3.5 5.3

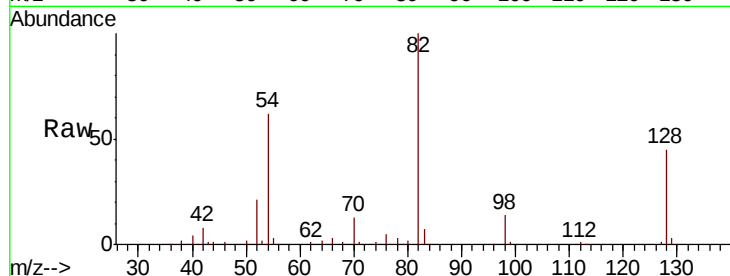




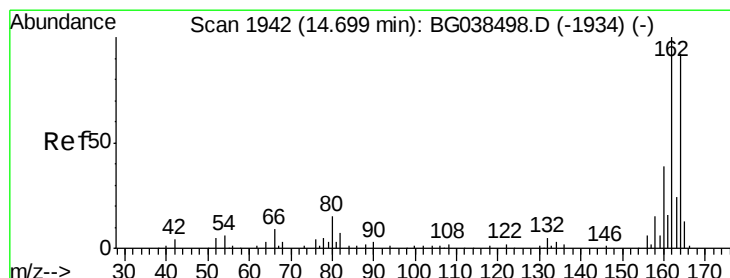
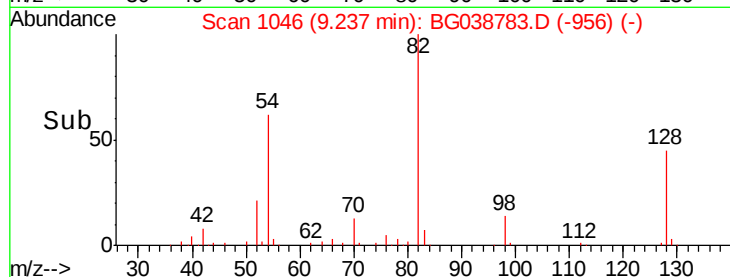
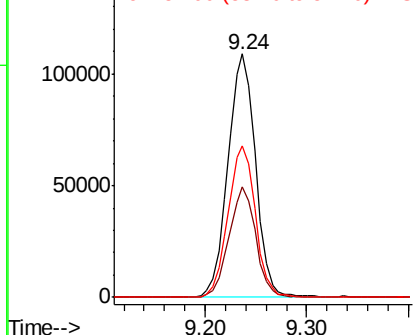
#23
Nitrobenzene-d5
Concen: 98.022 ng
RT: 9.24 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BG038783.D
Acq: 21 Dec 2018 12:06

Instrument :
BNA_G
ClientSampled :

Tot Ion: 82 Resp: 205588
Ion Ratio Lower Upper
82 100
128 45.3 34.6 52.0
54 62.1 50.6 76.0

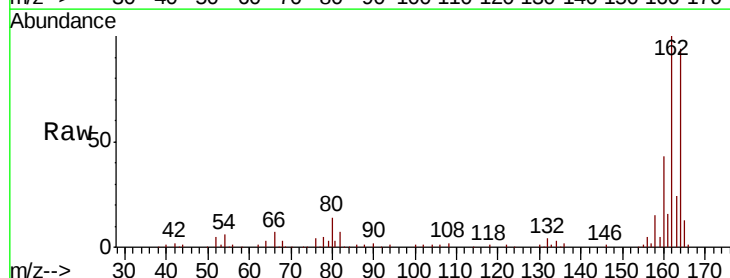


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

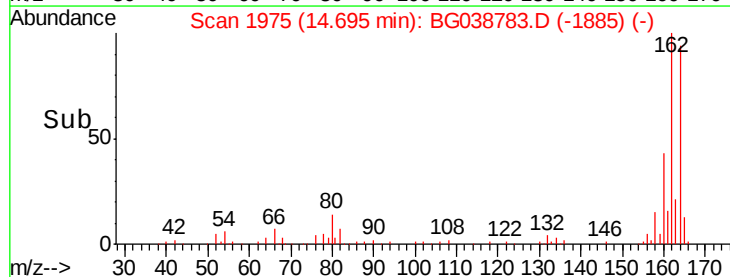
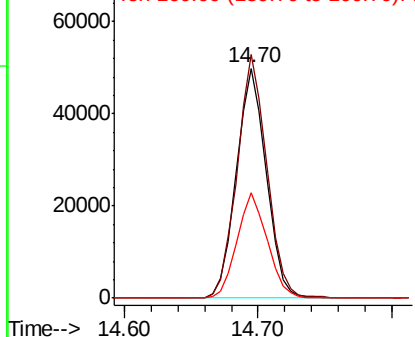


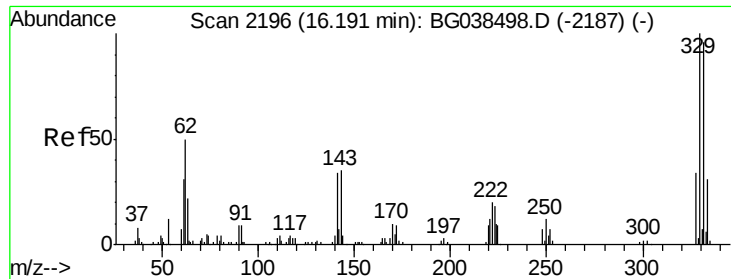
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.70 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BG038783.D
Acq: 21 Dec 2018 12:06

Tgt Ion:164 Resp: 77246
Ion Ratio Lower Upper
164 100
162 106.0 86.6 130.0
160 45.6 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: 164.988 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG038783.D

Acq: 21 Dec 2018 12:06

Instrument :

BNA_G

ClientSampleId :

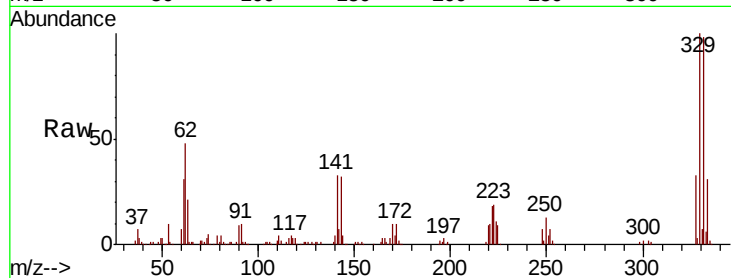
Tot Ion:330 Resp: 175644

Ion Ratio Lower Upper

330 100

332 97.1 76.9 115.3

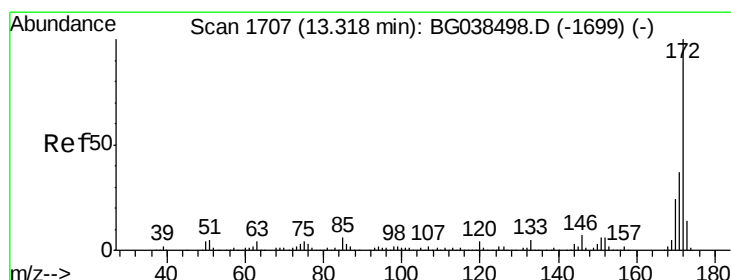
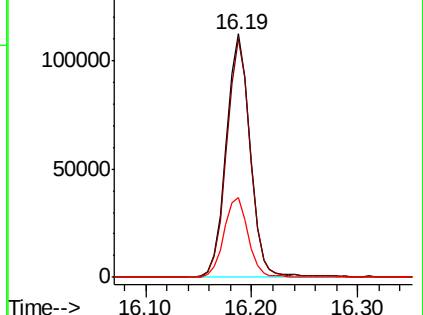
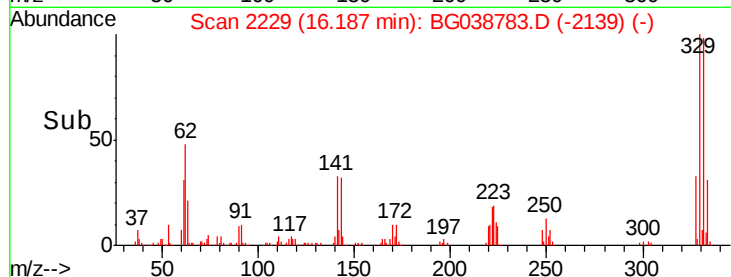
141 33.5 28.8 43.2



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: 83.809 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.00 min

Lab File: BG038783.D

Acq: 21 Dec 2018 12:06

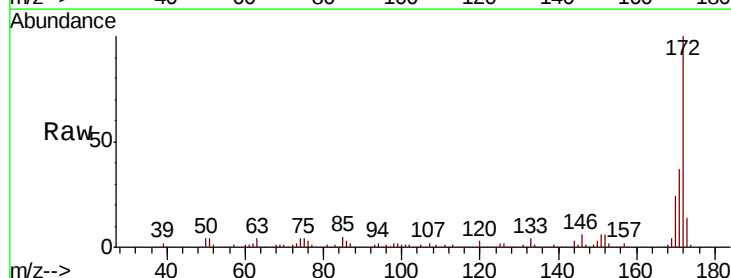
Tgt Ion:172 Resp: 471913

Ion Ratio Lower Upper

172 100

171 37.4 29.8 44.6

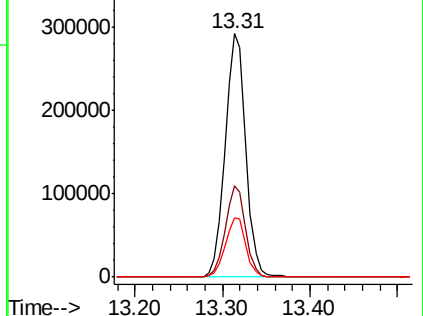
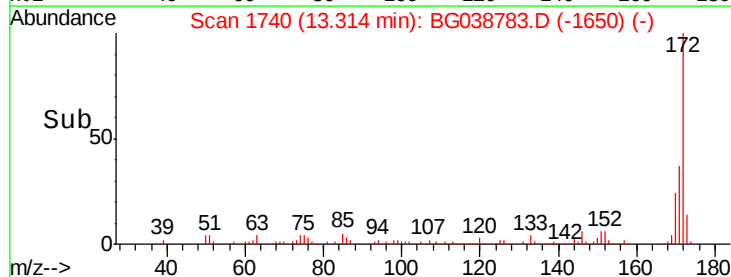
170 24.1 19.5 29.3

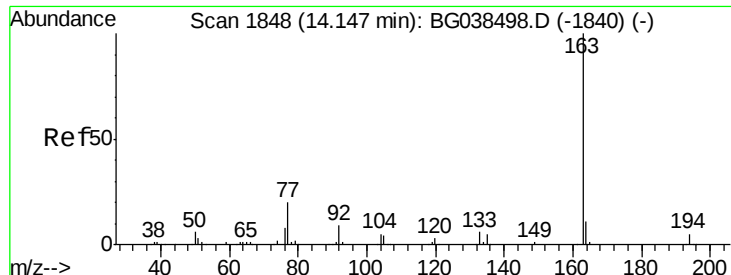


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

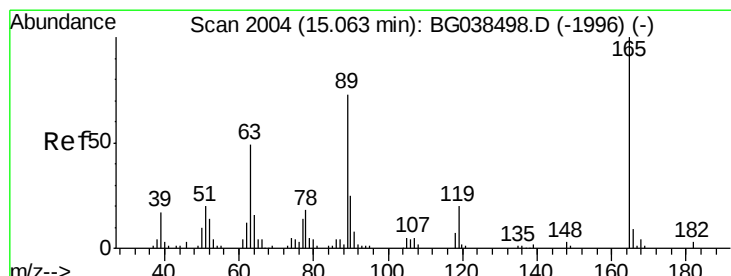
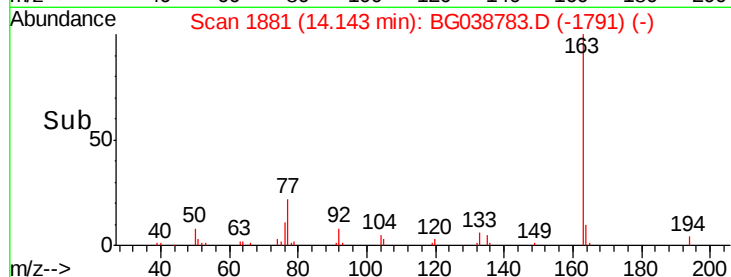
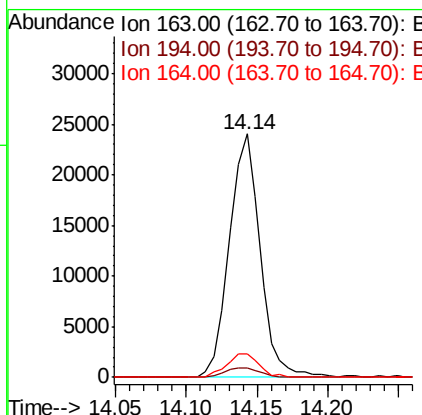
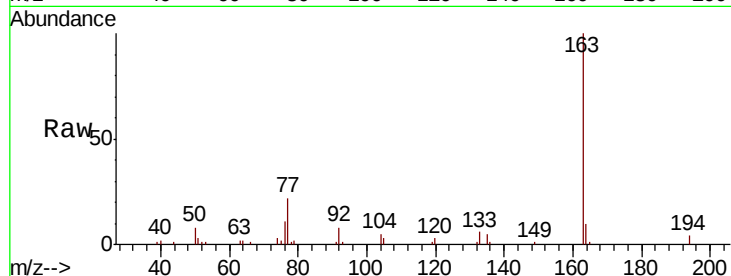




#50
Dimethylphthalate
Concen: 5.796 ng
RT: 14.14 min Scan# 1881
Delta R.T. -0.00 min
Lab File: BG038783.D
Acq: 21 Dec 2018 12:06

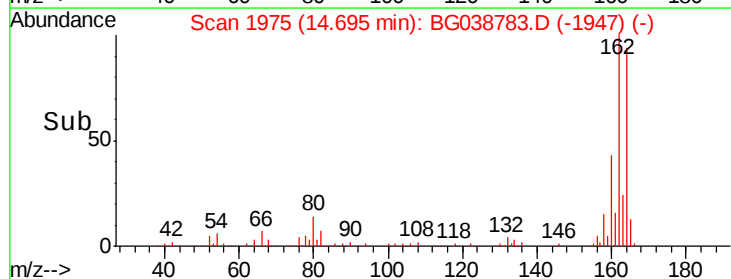
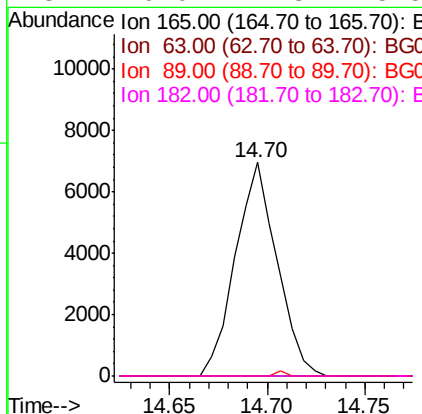
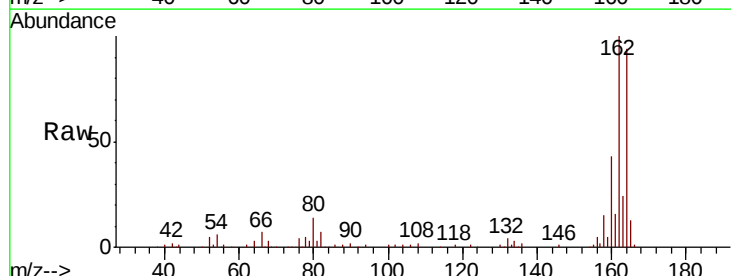
Instrument :
BNA_G
ClientSampleId :

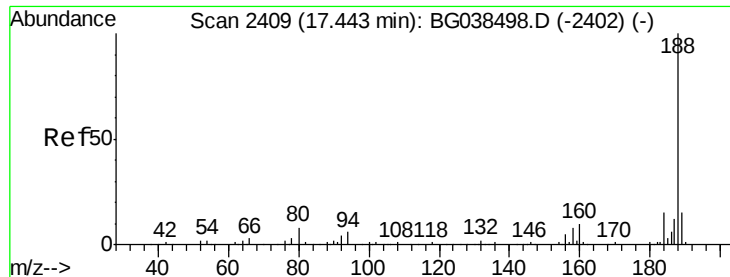
Tot Ion:163 Resp: 36560
Ion Ratio Lower Upper
163 100
194 3.8 3.7 5.5
164 9.6 8.6 12.8



#57
2,4-Dinitrotoluene
Concen: 5.104 ng
RT: 14.70 min Scan# 1975
Delta R.T. -0.37 min
Lab File: BG038783.D
Acq: 21 Dec 2018 12:06

Tgt Ion:165 Resp: 10276
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#

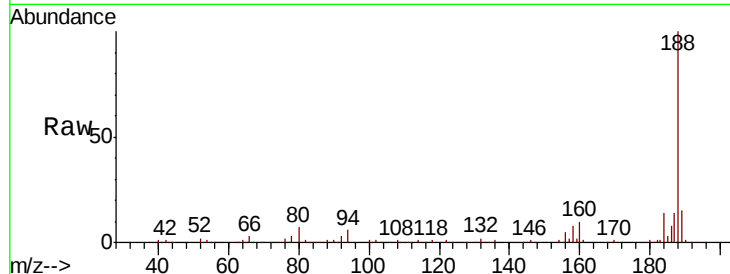




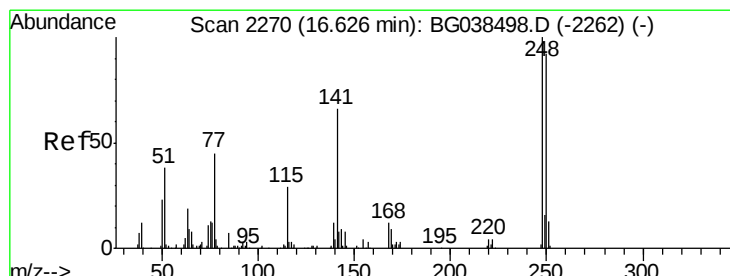
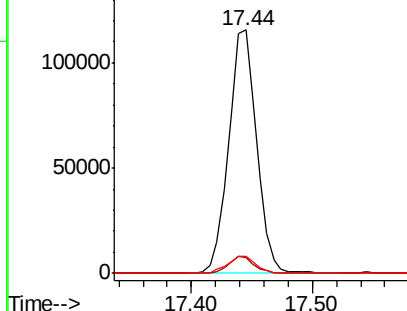
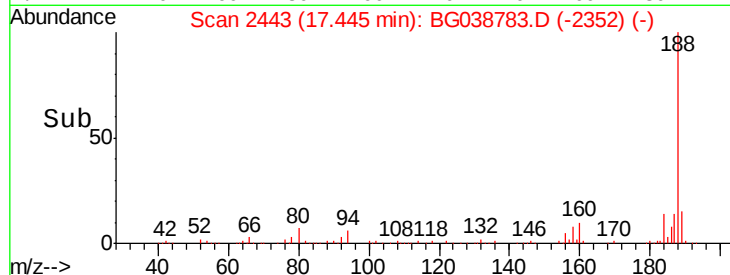
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BG038783.D
 Acq: 21 Dec 2018 12:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 186419
 Ion Ratio Lower Upper
 188 100
 94 6.2 5.1 7.7
 80 7.1 6.1 9.1

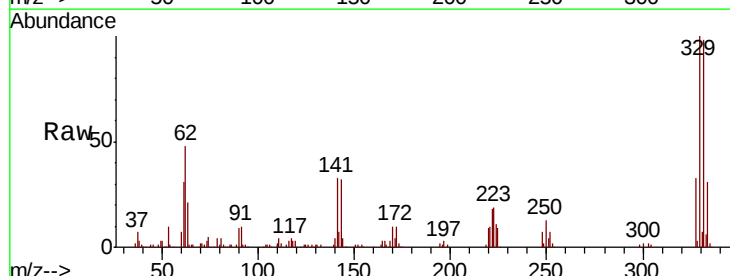


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

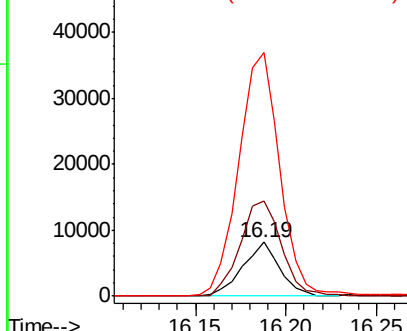
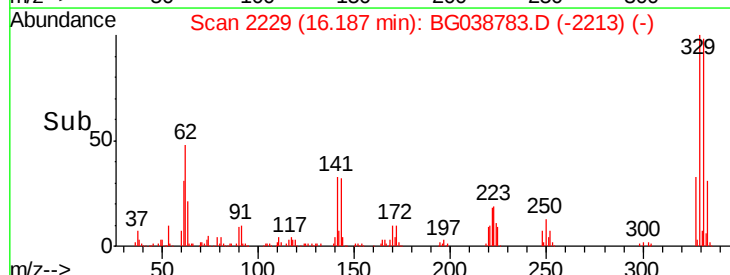


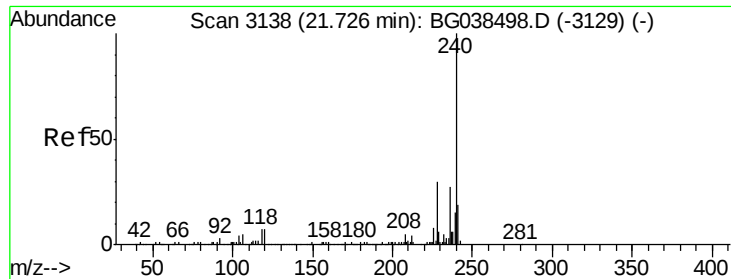
#67
 4-Bromophenyl-phenylether
 Concen: 5.148 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038783.D
 Acq: 21 Dec 2018 12:06

Tgt Ion:248 Resp: 11720
 Ion Ratio Lower Upper
 248 100
 250 138.1 73.4 110.2#
 141 354.0 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

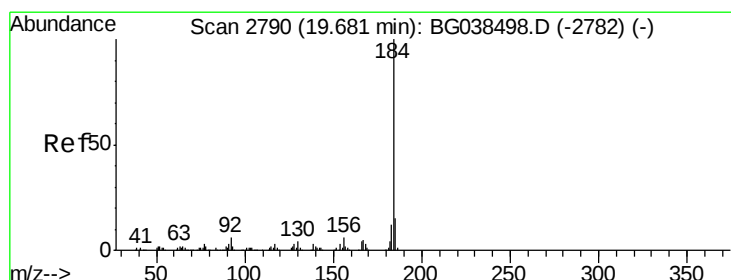
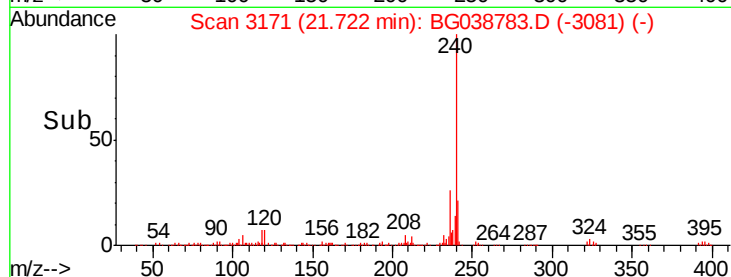
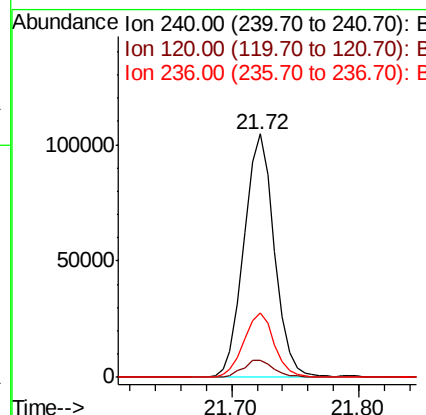
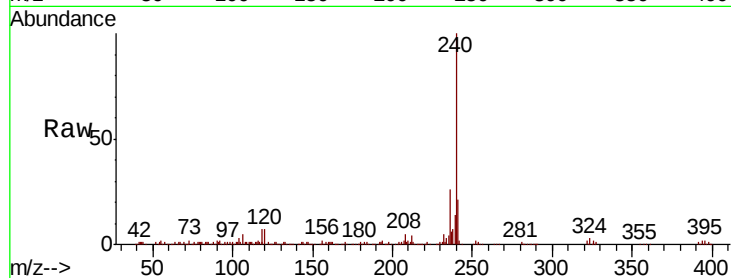




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.00 min
Lab File: BG038783.D
Acq: 21 Dec 2018 12:06

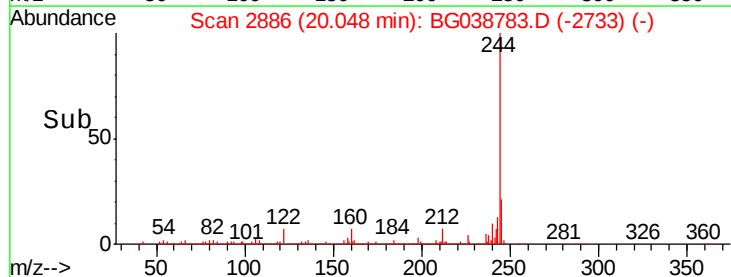
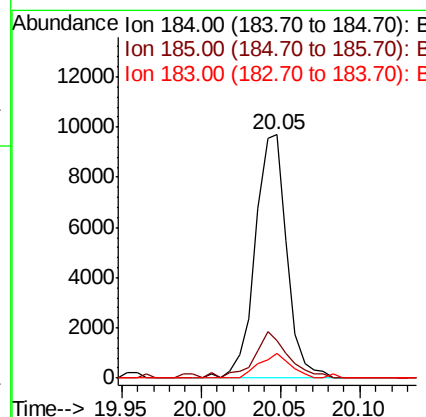
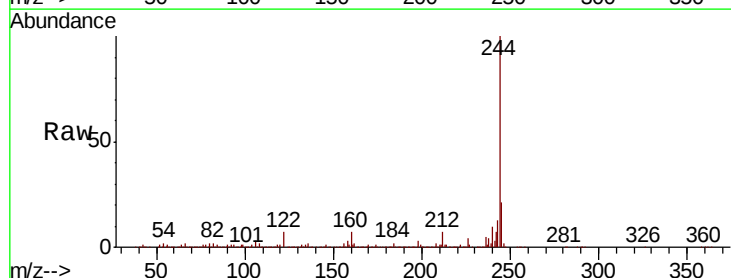
Instrument :
BNA_G
ClientSampled :

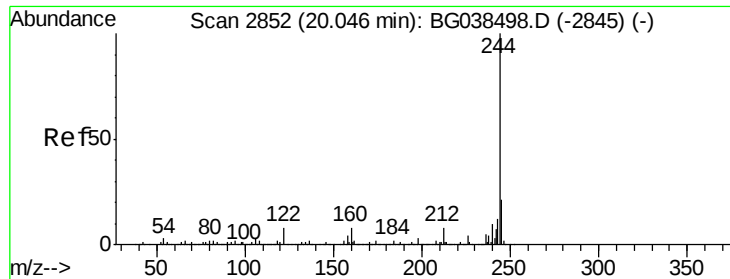
Tot Ion:240 Resp: 174064
Ion Ratio Lower Upper
240 100
120 7.3 5.3 7.9
236 26.4 21.4 32.2



#77
Benzidine
Concen: 2.607 ng
RT: 20.05 min Scan# 2886
Delta R.T. 0.37 min
Lab File: BG038783.D
Acq: 21 Dec 2018 12:06

Tgt Ion:184 Resp: 13422
Ion Ratio Lower Upper
184 100
185 15.5 12.2 18.2
183 10.3 9.6 14.4





#79

Terphenyl-d14

Concen: 93.868 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BG038783.D

Acq: 21 Dec 2018 12:06

Instrument :

BNA_G

ClientSampleId :

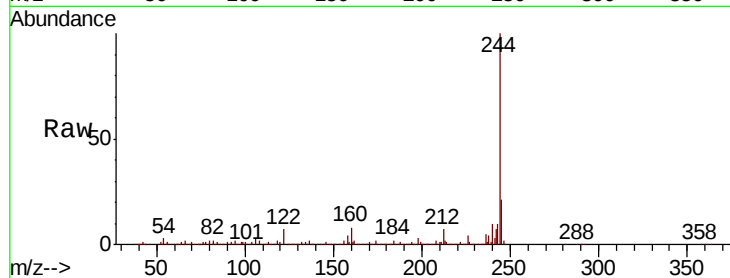
Tot Ion:244 Resp: 750764

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

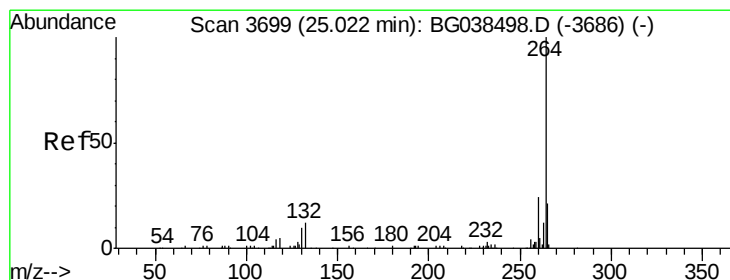
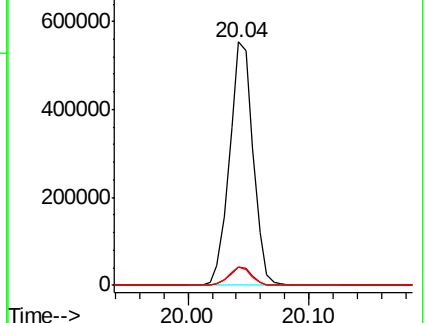
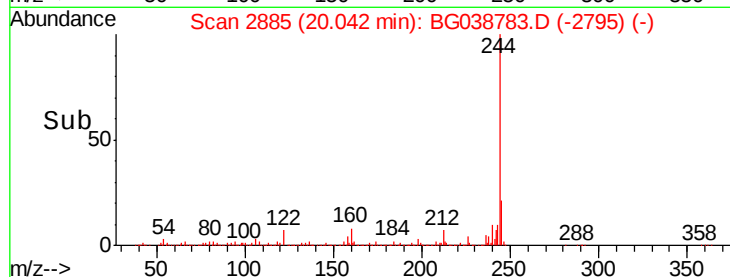
122 7.3 6.3 9.5



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: BG038783.D

Acq: 21 Dec 2018 12:06

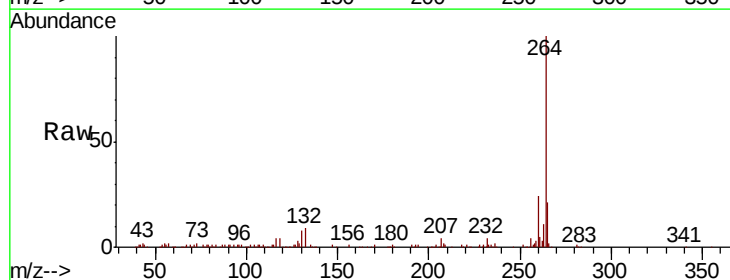
Tgt Ion:264 Resp: 181925

Ion Ratio Lower Upper

264 100

260 23.9 18.9 28.3

265 20.6 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

