

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121918\
 Data File : BG038739.D
 Acq On : 19 Dec 2018 23:03
 Operator : JU/SJ
 Sample : J6477-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-A2

Quant Time: Dec 19 23:56:52 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

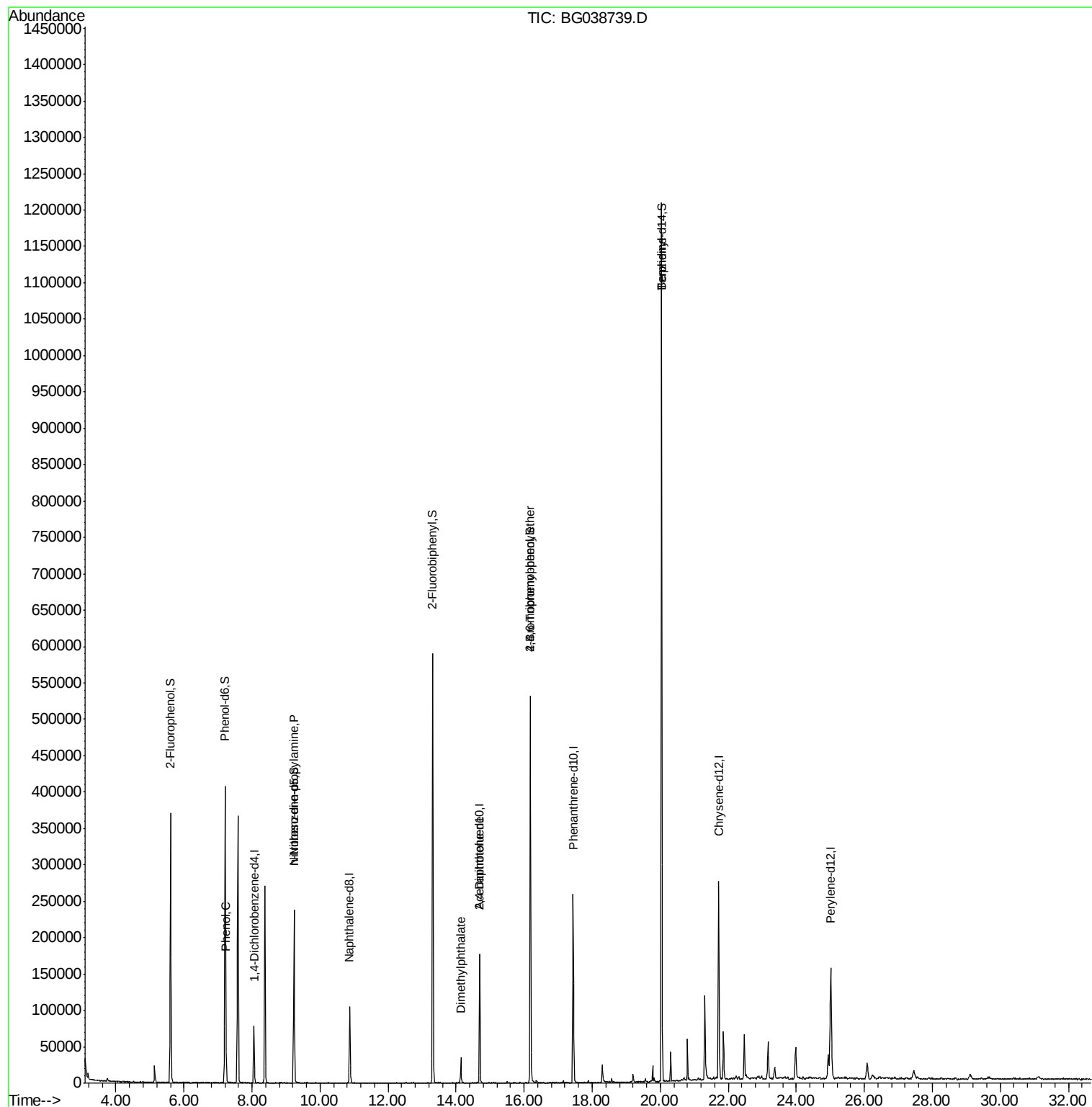
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	23036	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	94600	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	66742	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	173731	20.00	ng	0.00
76) Chrysene-d12	21.72	240	177286	20.00	ng	0.00
87) Perylene-d12	25.01	264	186958	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	162930	125.45	ng	0.00
7) Phenol-d6	7.21	99	230515	129.29	ng	0.00
23) Nitrobenzene-d5	9.23	82	142890	77.17	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	110281	119.89	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	332411	68.33	ng	0.00
79) Terphenyl-d14	20.04	244	622713	76.44	ng	0.00
Target Compounds						
10) Phenol	7.23	94	15983	8.438	ng	97
19) n-Nitroso-di-n-propylamine	9.23	70	19249	15.371	ng	# 64
50) Dimethylphthalate	14.14	163	25586	4.694	ng	# 97
57) 2,4-Dinitrotoluene	14.69	165	8680	4.989	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	7301	3.441	ng	# 1
77) Benzidine	20.04	184	10656	2.032	ng	# 91

(#) = 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: BG038739.D

Acq: 19 Dec 2018 23:03

Instrument :

BNA_G

ClientSampleId :

SB-A2

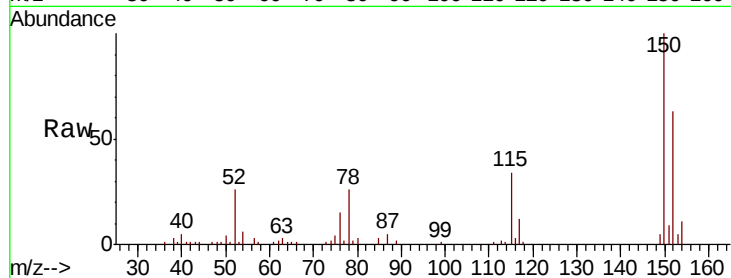
Tgt Ion:152 Resp: 23036

Ion Ratio Lower Upper

152 100

150 159.2 119.5 179.3

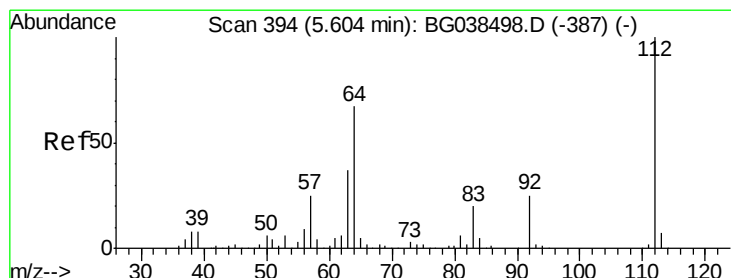
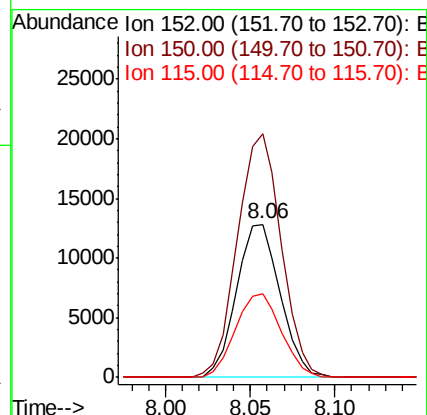
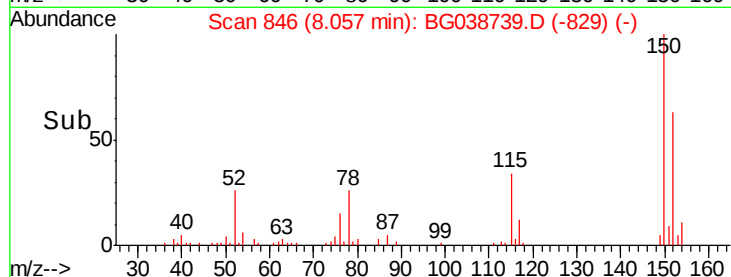
115 54.6 49.6 74.4



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: 125.448 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.00 min

Lab File: BG038739.D

Acq: 19 Dec 2018 23:03

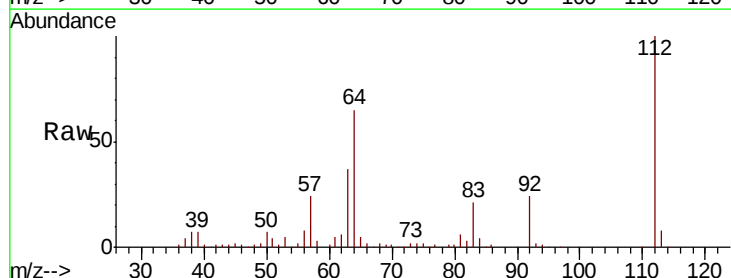
Tgt Ion:112 Resp: 162930

Ion Ratio Lower Upper

112 100

64 64.8 53.4 80.2

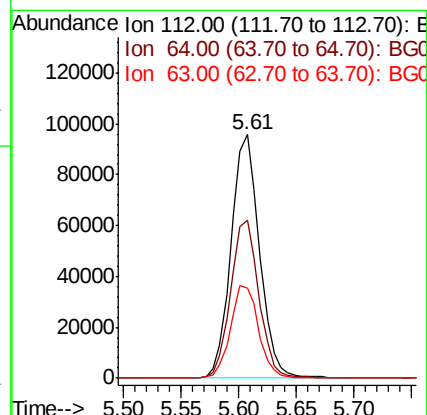
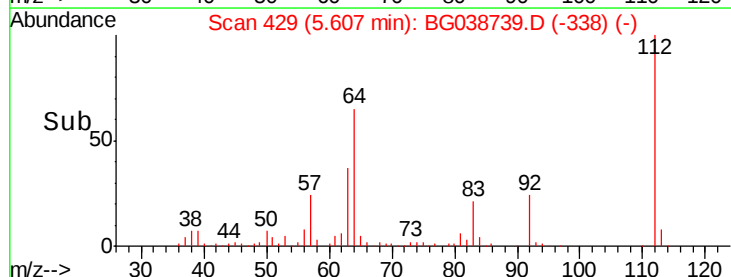
63 37.1 29.3 43.9



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: 129.286 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038739.D

Acq: 19 Dec 2018 23:03

Instrument :

BNA_G

ClientSampleId :

SB-A2

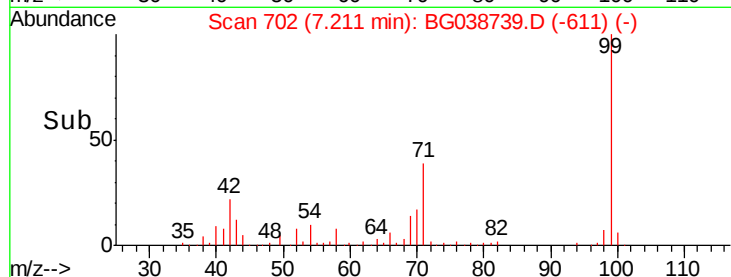
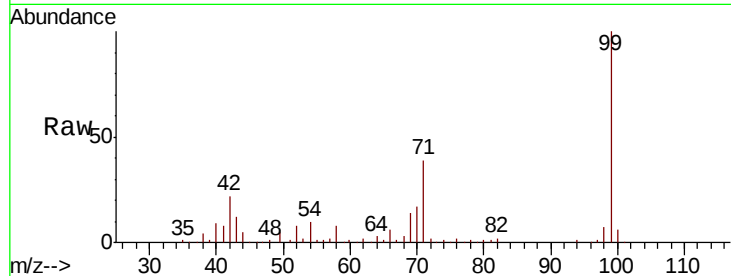
Tgt Ion: 99 Resp: 230515

Ion Ratio Lower Upper

99 100

42 22.3 18.5 27.7

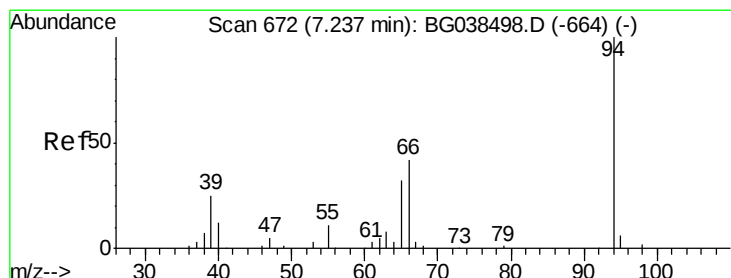
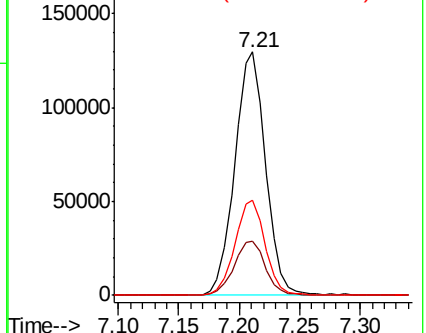
71 39.2 31.1 46.7



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: 8.438 ng

RT: 7.23 min Scan# 706

Delta R.T. -0.00 min

Lab File: BG038739.D

Acq: 19 Dec 2018 23:03

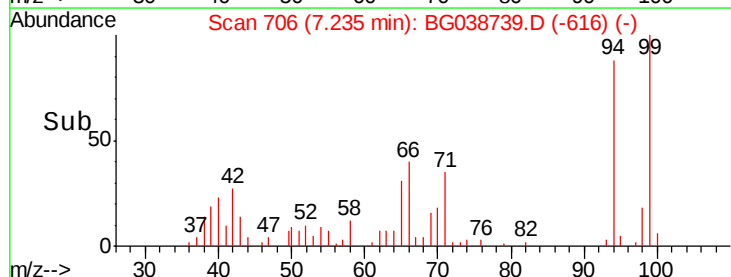
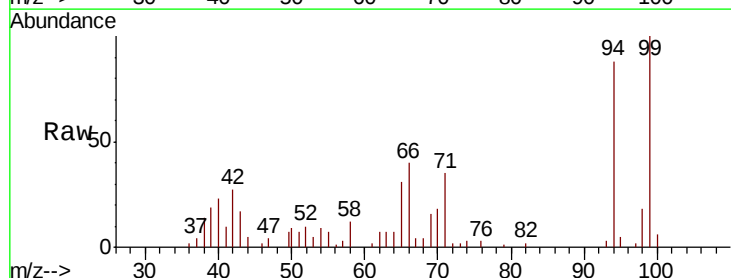
Tgt Ion: 94 Resp: 15983

Ion Ratio Lower Upper

94 100

65 35.0 12.6 52.6

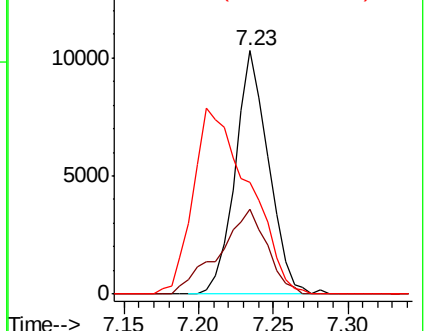
66 45.7 24.1 64.1

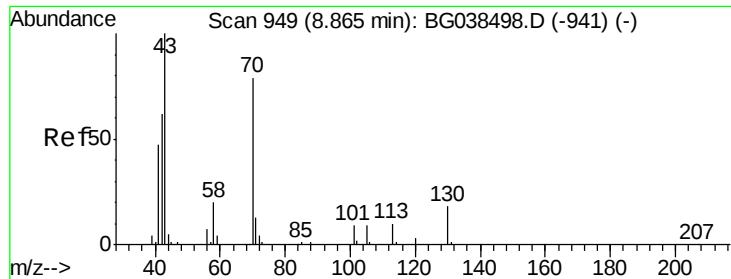


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

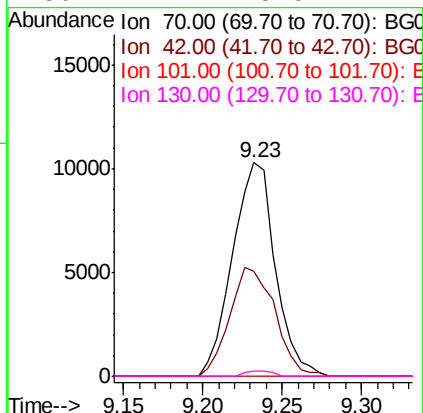
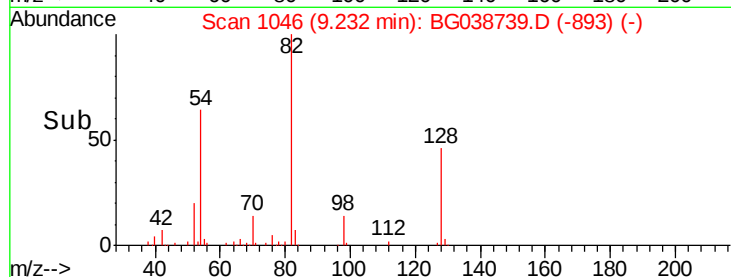
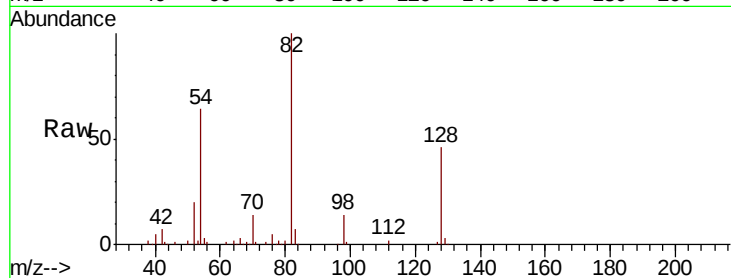




#19
n-Nitroso-di-n-propylamine
Concen: 15.371 ng
RT: 9.23 min Scan# 1046
Delta R.T. 0.37 min
Lab File: BG038739.D
Acq: 19 Dec 2018 23:03

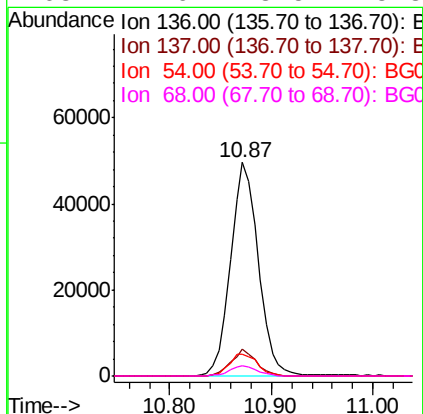
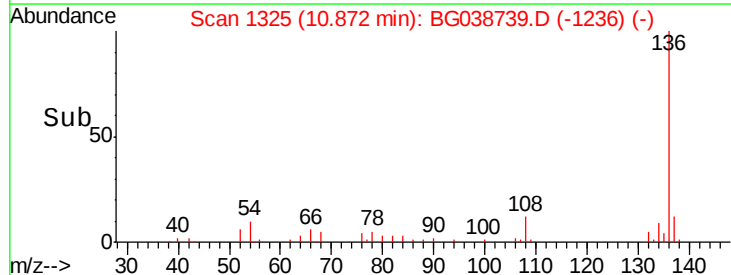
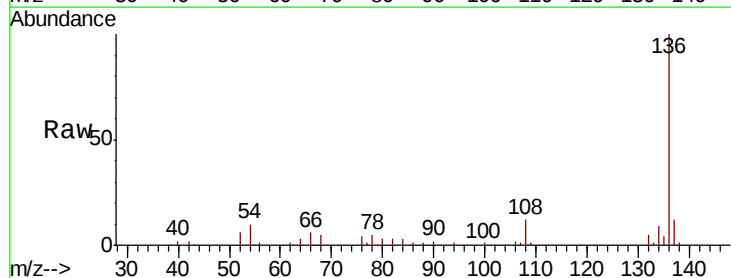
Instrument :
BNA_G
ClientSampleId :
SB-A2

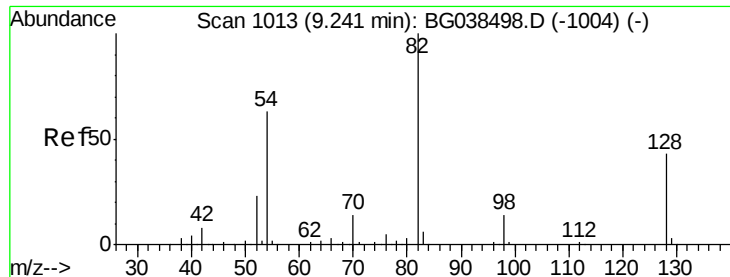
Tgt Ion: 70 Resp: 19249
Ion Ratio Lower Upper
70 100
42 49.1 63.6 95.4#
101 0.0 9.2 13.8#
130 2.4 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038739.D
Acq: 19 Dec 2018 23:03

Tgt Ion: 136 Resp: 94600
Ion Ratio Lower Upper
136 100
137 12.4 9.3 13.9
54 10.0 8.5 12.7
68 4.6 3.5 5.3

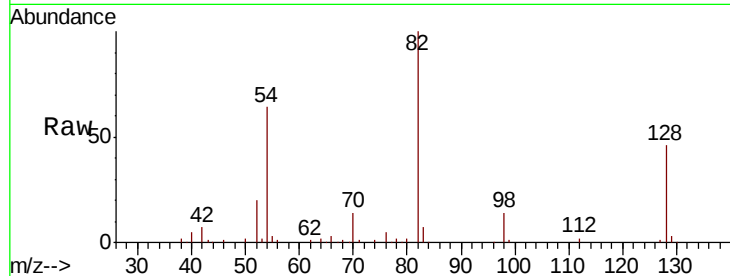




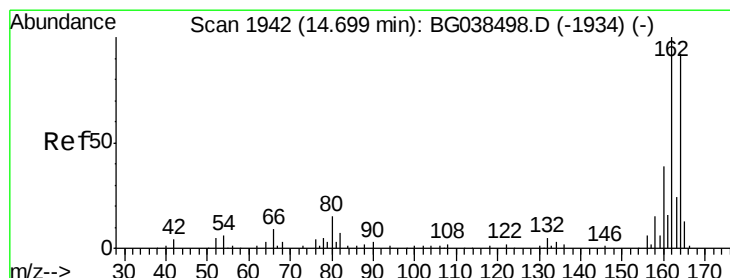
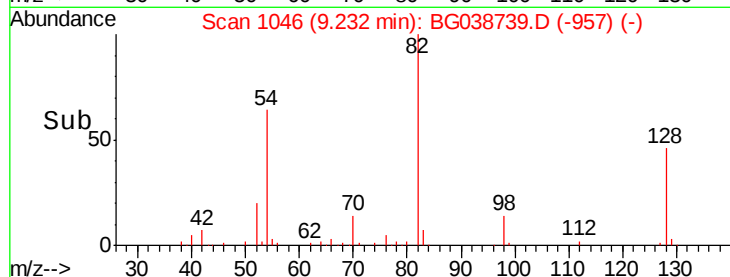
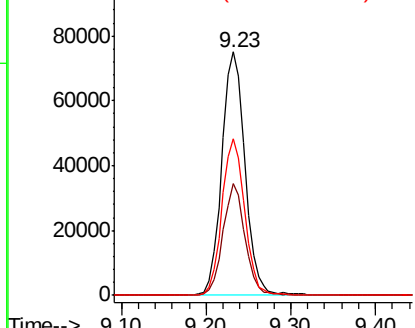
#23
Nitrobenzene-d5
Concen: 77.165 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038739.D
Acq: 19 Dec 2018 23:03

Instrument :
BNA_G
ClientSampleId :
SB-A2

Tgt Ion: 82 Resp: 142890
Ion Ratio Lower Upper
82 100
128 46.0 34.6 52.0
54 64.1 50.6 76.0

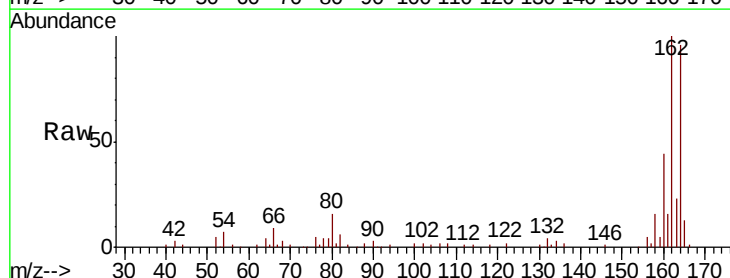


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

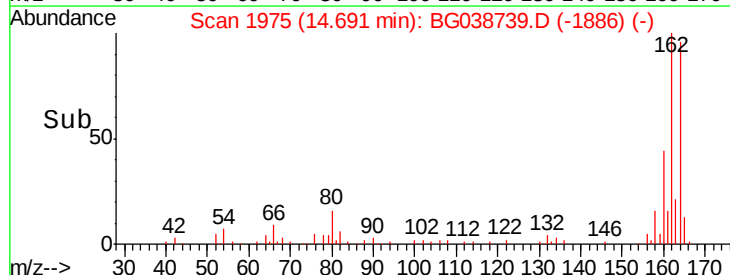
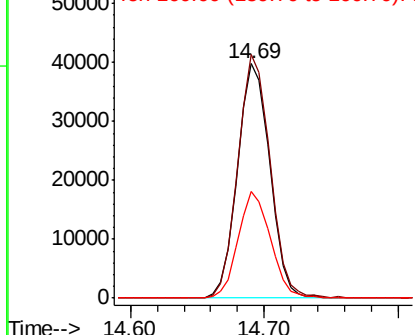


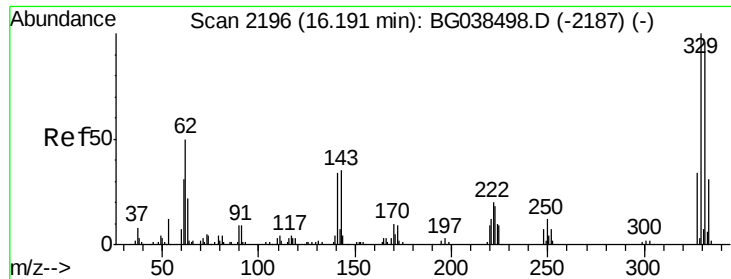
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BG038739.D
Acq: 19 Dec 2018 23:03

Tgt Ion: 164 Resp: 66742
Ion Ratio Lower Upper
164 100
162 103.9 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

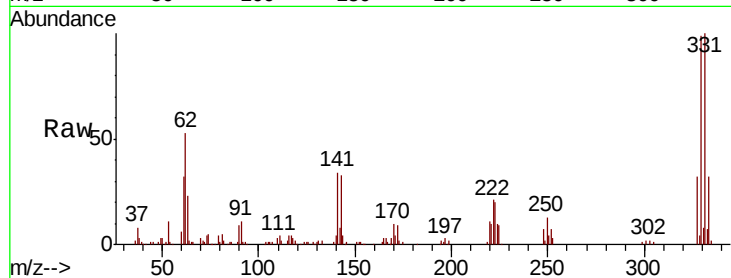




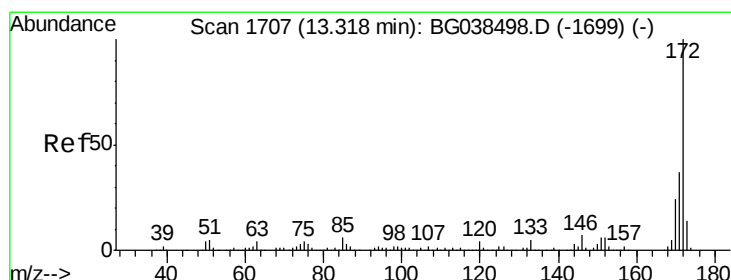
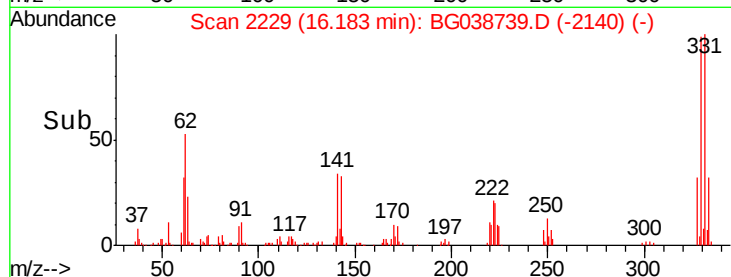
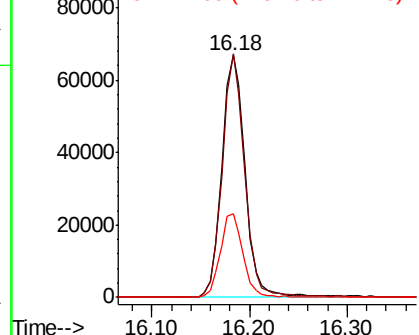
#42
 2,4,6-Tribromophenol
 Concen: 119.893 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.01 min
 Lab File: BG038739.D
 Acq: 19 Dec 2018 23:03

Instrument :
 BNA_G
 ClientSampleId :
 SB-A2

Tgt Ion:330 Resp: 110281
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.9 115.3
 141 33.7 28.8 43.2

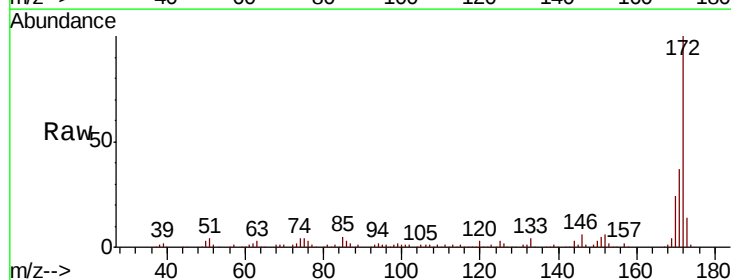


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

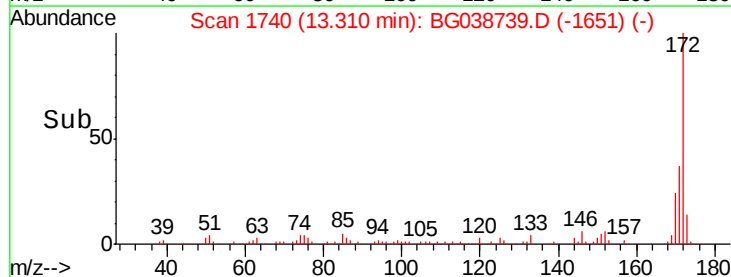
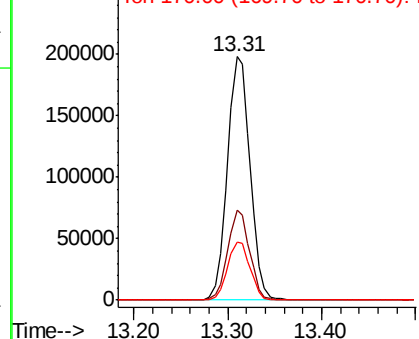


#45
 2-Fluorobiphenyl
 Concen: 68.325 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG038739.D
 Acq: 19 Dec 2018 23:03

Tgt Ion:172 Resp: 332411
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.8 44.6
 170 23.6 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: 4.694 ng

RT: 14.14 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BG038739.D

Acq: 19 Dec 2018 23:03

Instrument :

BNA_G

ClientSampleId :

SB-A2

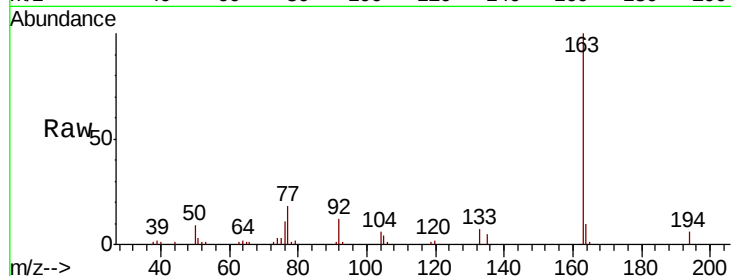
Tgt Ion:163 Resp: 25586

Ion Ratio Lower Upper

163 100

194 6.5 3.7 5.5#

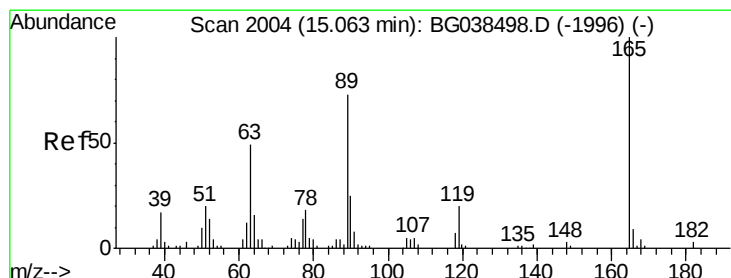
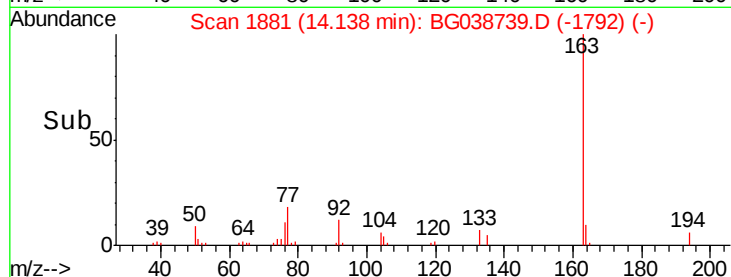
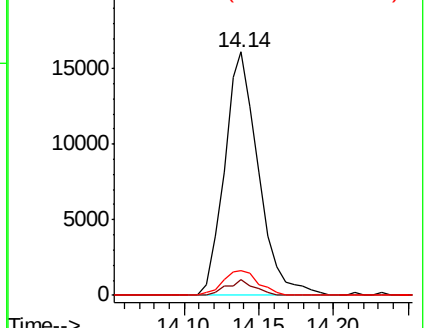
164 9.9 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 4.989 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.37 min

Lab File: BG038739.D

Acq: 19 Dec 2018 23:03

Tgt Ion:165 Resp: 8680

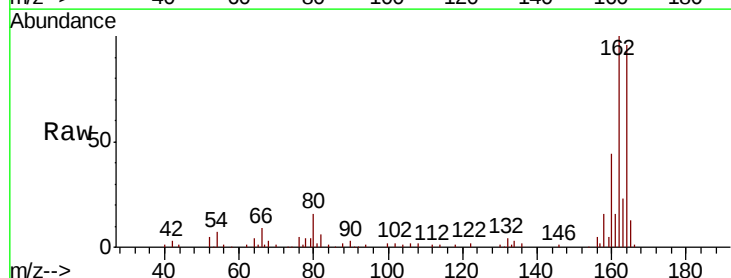
Ion Ratio Lower Upper

165 100

63 0.0 39.0 58.4#

89 0.0 58.0 87.0#

182 0.0 2.3 3.5#

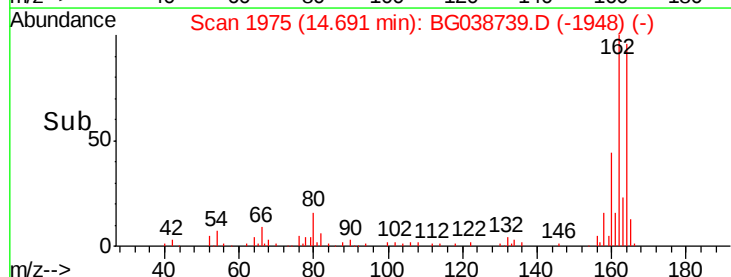
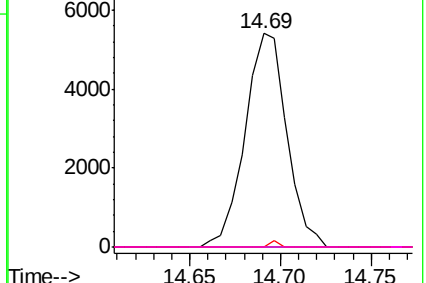


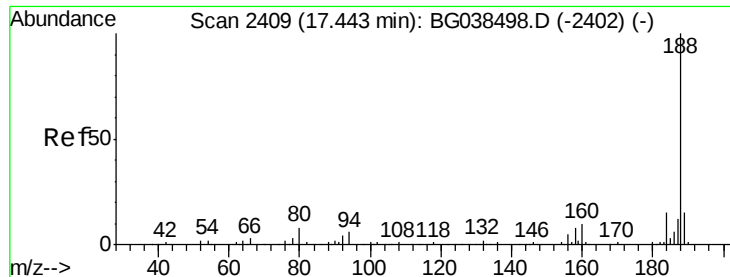
Abundance Ion 165.00 (164.70 to 165.70): E

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

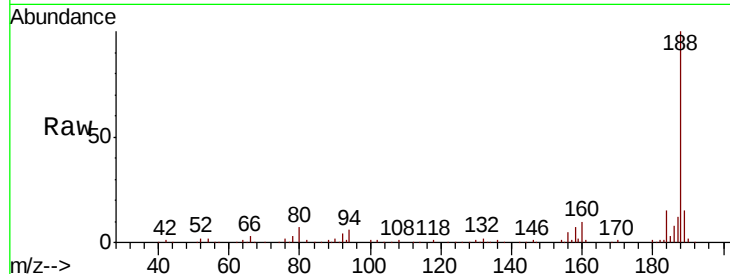




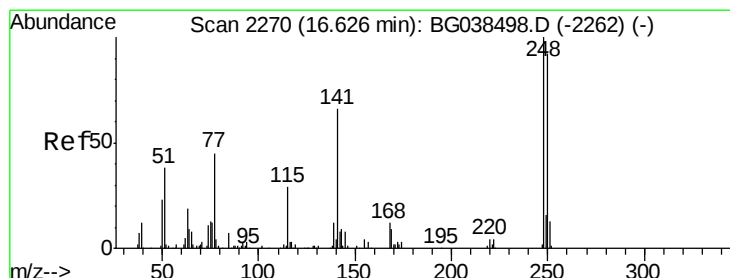
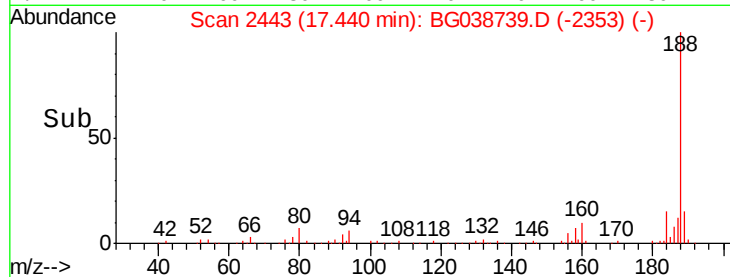
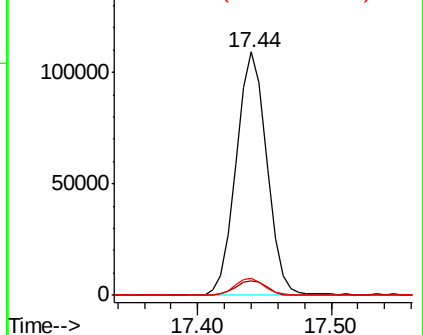
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG038739.D
 Acq: 19 Dec 2018 23:03

Instrument :
 BNA_G
 ClientSampleId :
 SB-A2

Tgt Ion:188 Resp: 173731
 Ion Ratio Lower Upper
 188 100
 94 6.0 5.1 7.7
 80 6.9 6.1 9.1

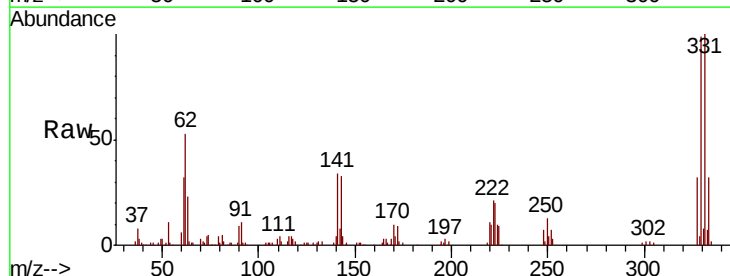


Abundance Ion 188.00 (187.70 to 188.70): E
 150000
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

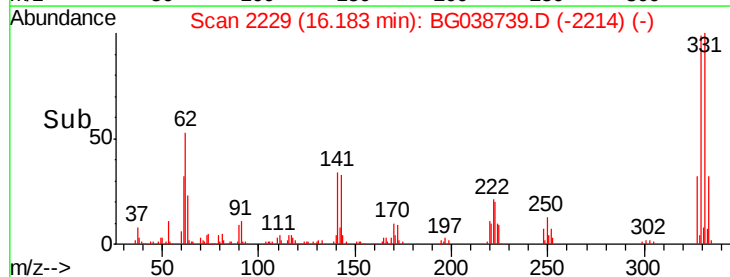
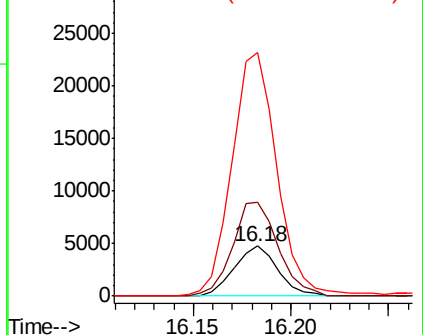


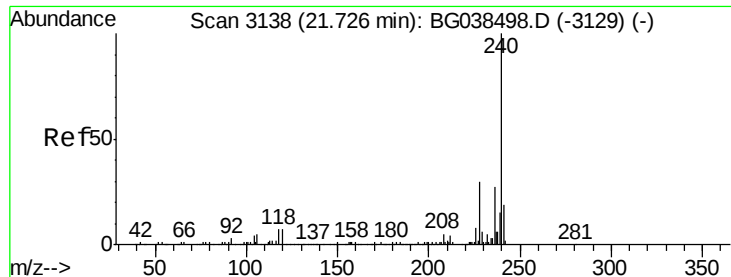
#67
 4-Bromophenyl-phenylether
 Concen: 3.441 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038739.D
 Acq: 19 Dec 2018 23:03

Tgt Ion:248 Resp: 7301
 Ion Ratio Lower Upper
 248 100
 250 184.2 73.4 110.2#
 141 365.2 52.9 79.3#



Abundance Ion 248.00 (247.70 to 248.70): E
 30000
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

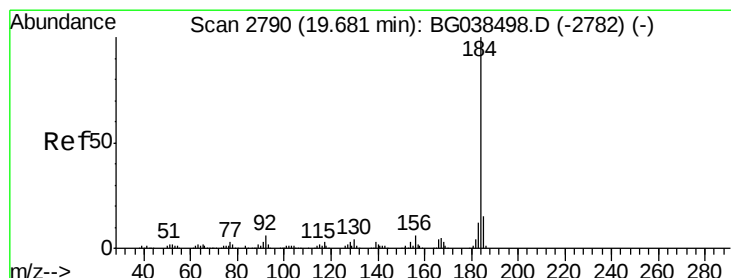
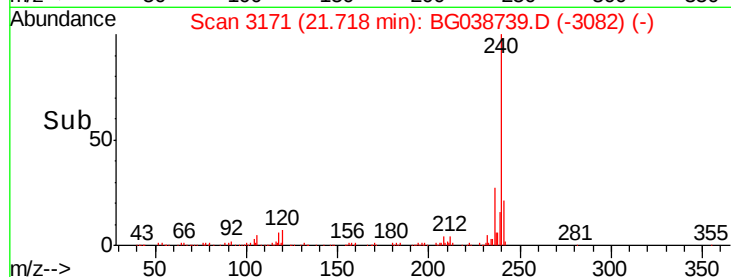
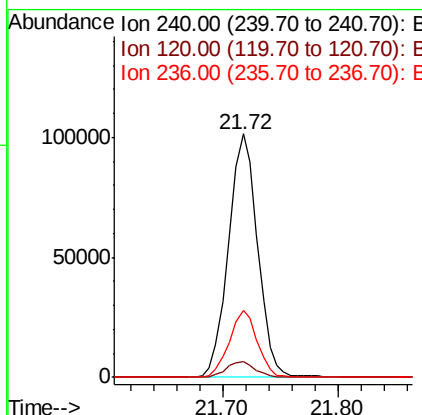
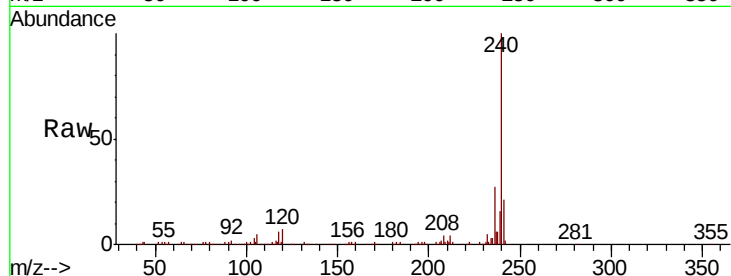




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038739.D
Acq: 19 Dec 2018 23:03

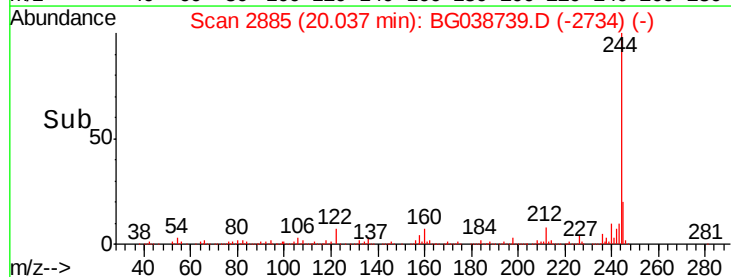
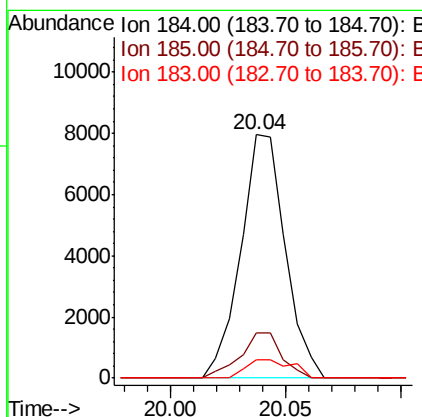
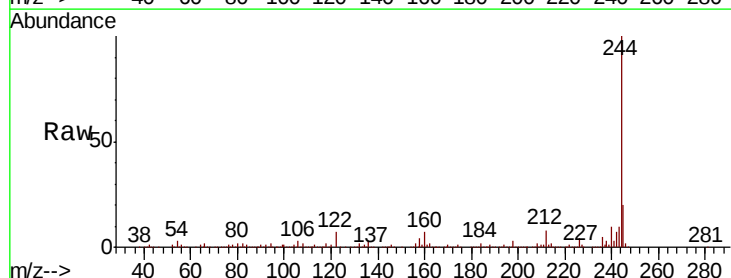
Instrument :
BNA_G
ClientSampleId :
SB-A2

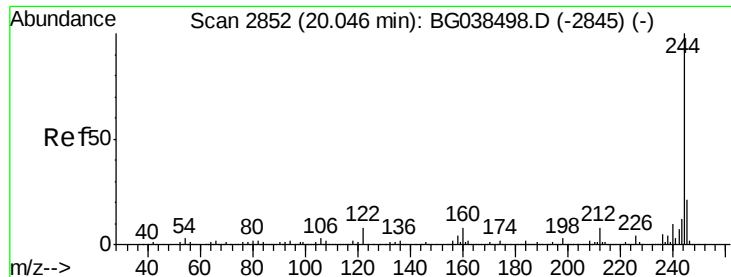
Tgt Ion:240 Resp: 177286
Ion Ratio Lower Upper
240 100
120 6.7 5.3 7.9
236 27.4 21.4 32.2



#77
Benzidine
Concen: 2.032 ng
RT: 20.04 min Scan# 2885
Delta R.T. 0.36 min
Lab File: BG038739.D
Acq: 19 Dec 2018 23:03

Tgt Ion:184 Resp: 10656
Ion Ratio Lower Upper
184 100
185 18.4 12.2 18.2#
183 7.6 9.6 14.4#





#79

Terphenyl-d14

Concen: 76.443 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038739.D

Acq: 19 Dec 2018 23:03

Instrument :

BNA_G

ClientSampleId :

SB-A2

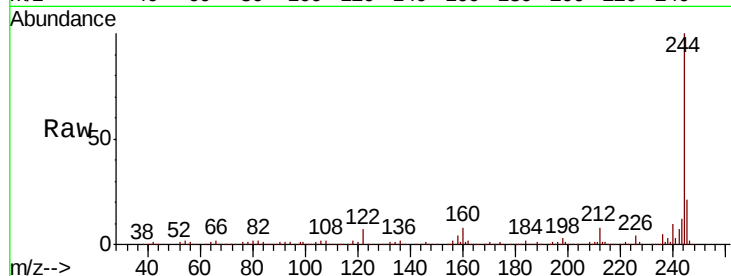
Tgt Ion:244 Resp: 622713

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

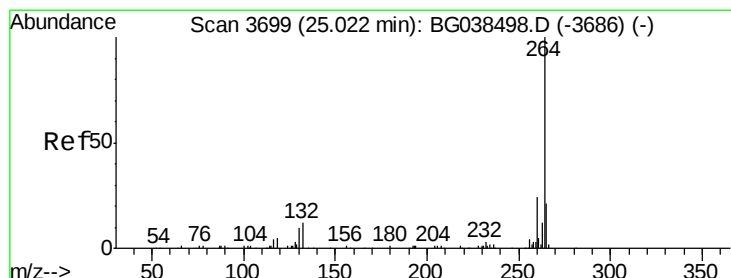
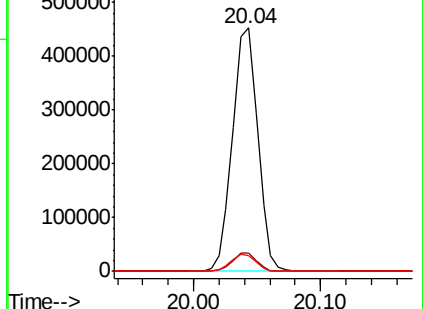
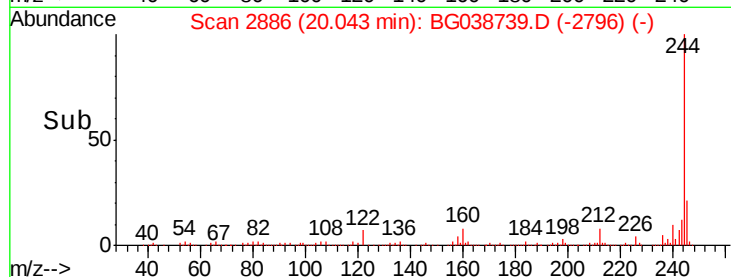
122 6.7 6.3 9.5



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: 25.01 min Scan# 3732

Delta R.T. -0.01 min

Lab File: BG038739.D

Acq: 19 Dec 2018 23:03

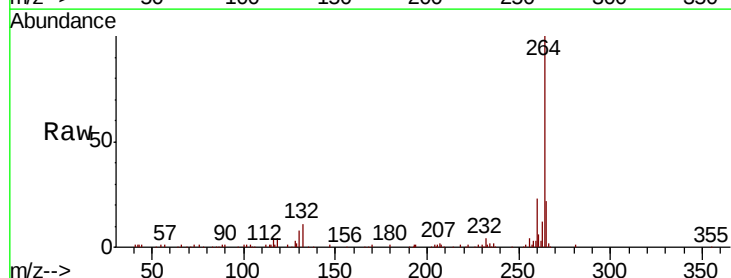
Tgt Ion:264 Resp: 186958

Ion Ratio Lower Upper

264 100

260 22.7 18.9 28.3

265 21.9 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

