

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG122118\
 Data File : BG038800.D
 Acq On : 22 Dec 2018 00:02
 Operator : JU/SJ
 Sample : J6499-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11989

Quant Time: Dec 22 01:15:08 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

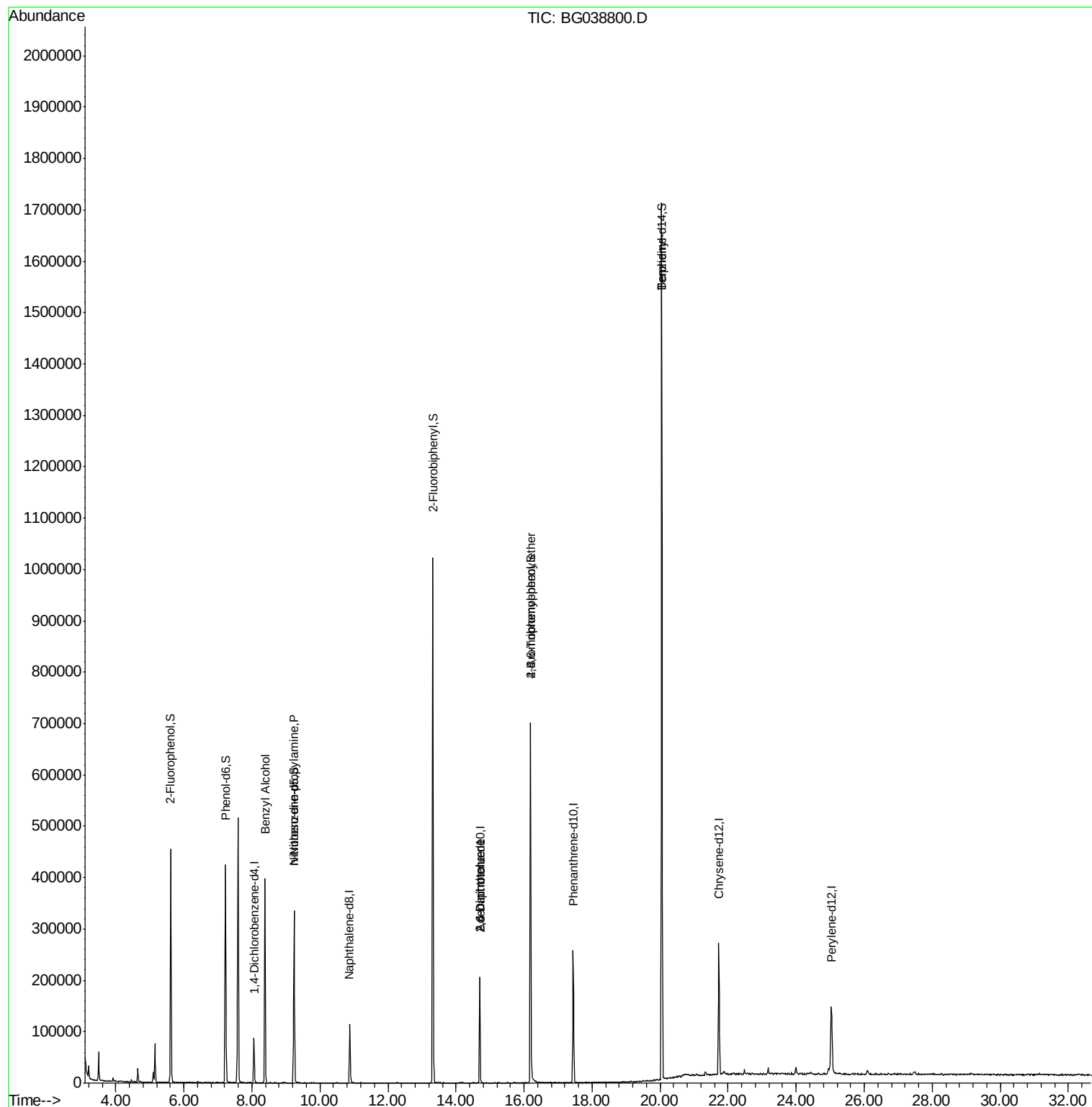
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	25691	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	107515	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	76674	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	173310	20.00	ng	0.00
76) Chrysene-d12	21.73	240	166474	20.00	ng	0.00
87) Perylene-d12	25.03	264	177528	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	193330	133.47	ng	0.01
7) Phenol-d6	7.22	99	243438	122.42	ng	0.01
23) Nitrobenzene-d5	9.24	82	197189	93.70	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	158210	149.72	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	555431	99.38	ng	0.00
79) Terphenyl-d14	20.05	244	895469	117.07	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.38	79	3400	2.191	ng	# 52
19) n-Nitroso-di-n-propylamine	9.24	70	27362	19.592	ng	# 65
51) 2,6-Dinitrotoluene	14.70	165	9875	6.959	ng	# 21
57) 2,4-Dinitrotoluene	14.70	165	9875	4.941	ng	# 23
67) 4-Bromophenyl-phenylether	16.19	248	10869	5.135	ng	# 1
77) Benzidine	20.05	184	15179	3.083	ng	# 95

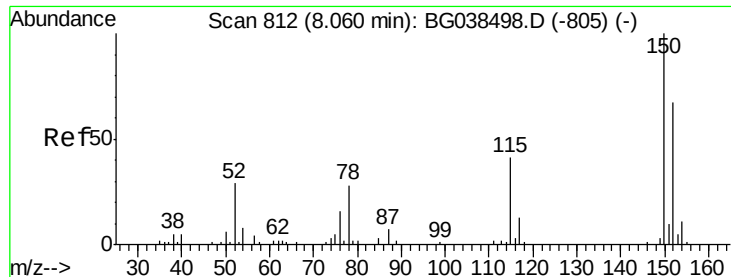
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG122118\
Data File : BG038800.D
Acq On : 22 Dec 2018 00:02
Operator : JU/SJ
Sample : J6499-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
72-11989

Quant Time: Dec 22 01:15:08 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



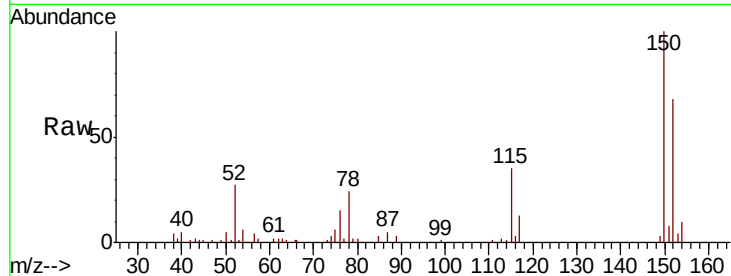


#1

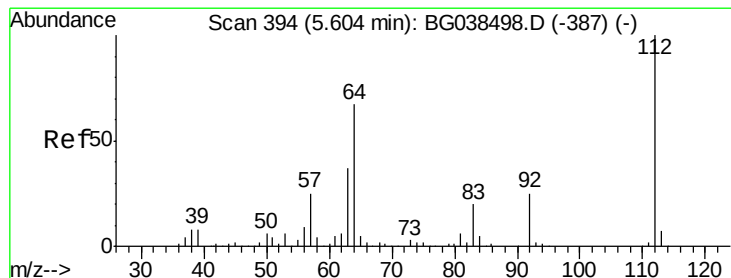
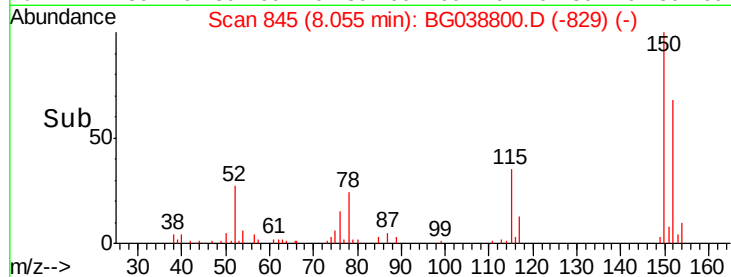
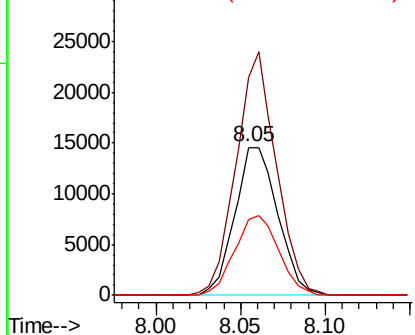
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG038800.D
Acq: 22 Dec 2018 00:02

Instrument :
BNA_G
ClientSampleId :
72-11989

Tgt Ion:152 Resp: 25691
Ion Ratio Lower Upper
152 100
150 148.1 119.5 179.3
115 51.5 49.6 74.4



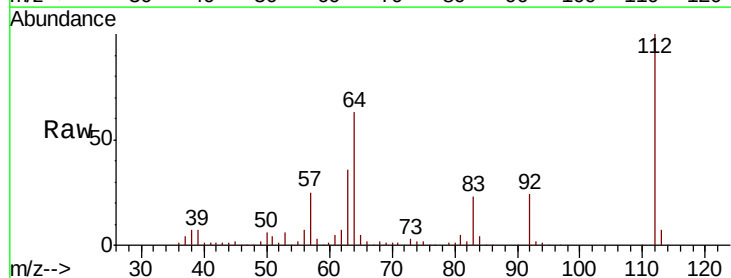
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



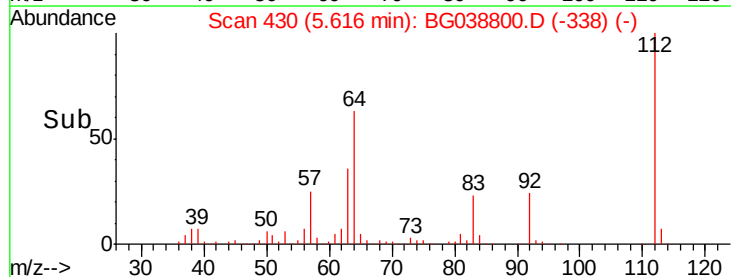
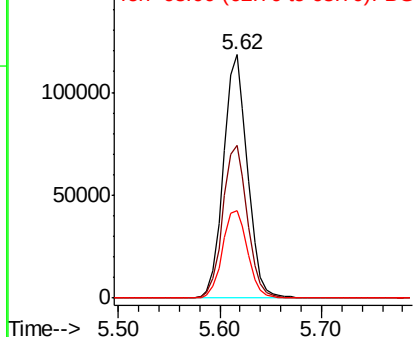
#5

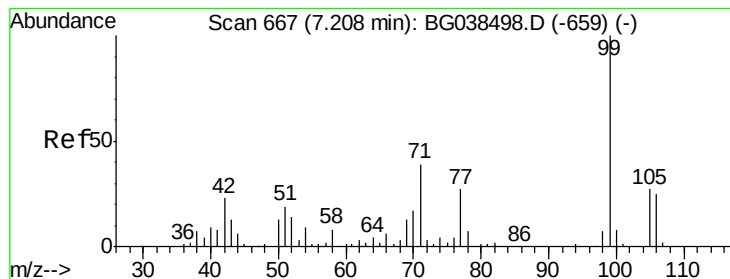
2-Fluorophenol
Concen: 133.471 ng
RT: 5.62 min Scan# 430
Delta R.T. 0.01 min
Lab File: BG038800.D
Acq: 22 Dec 2018 00:02

Tgt Ion:112 Resp: 193330
Ion Ratio Lower Upper
112 100
64 62.8 53.4 80.2
63 36.0 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: 122.424 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038800.D

Acq: 22 Dec 2018 00:02

Instrument :

BNA_G

ClientSampleId :

72-11989

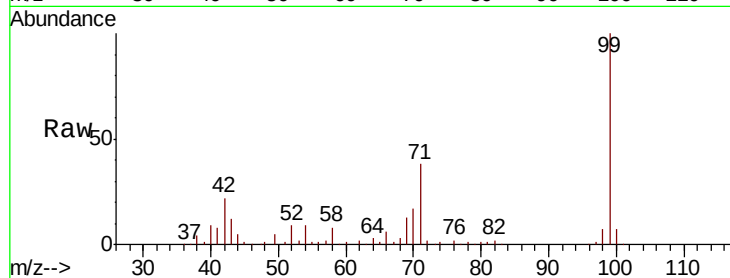
Tgt Ion: 99 Resp: 243438

Ion Ratio Lower Upper

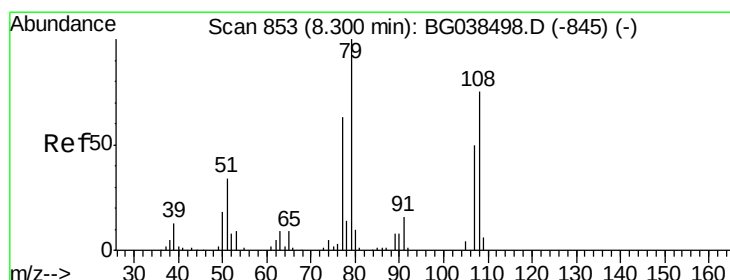
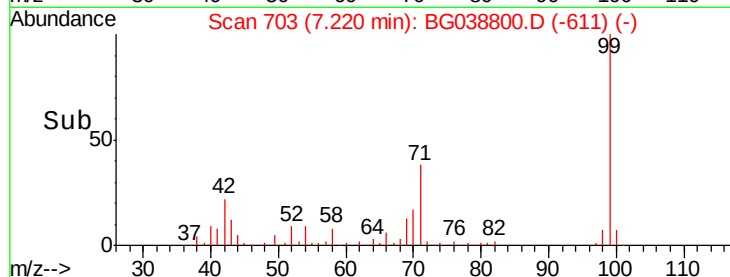
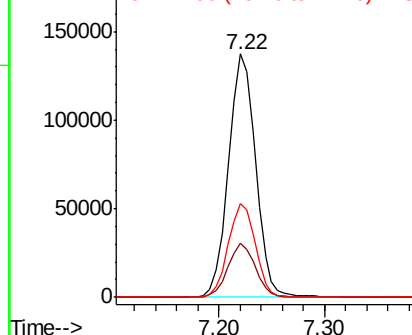
99 100

42 22.1 18.5 27.7

71 38.5 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: 2.191 ng

RT: 8.38 min Scan# 900

Delta R.T. 0.08 min

Lab File: BG038800.D

Acq: 22 Dec 2018 00:02

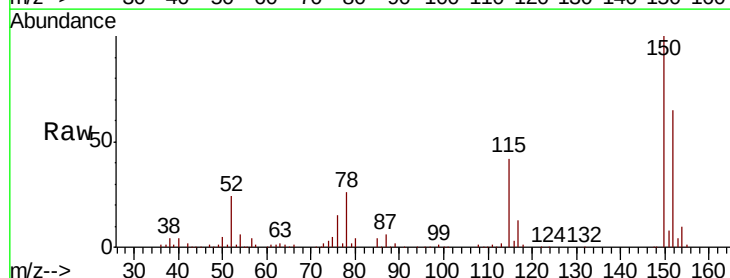
Tgt Ion: 79 Resp: 3400

Ion Ratio Lower Upper

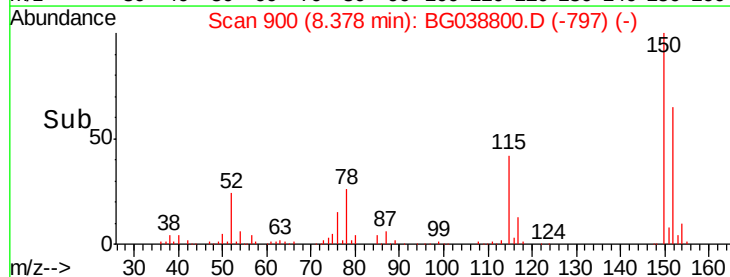
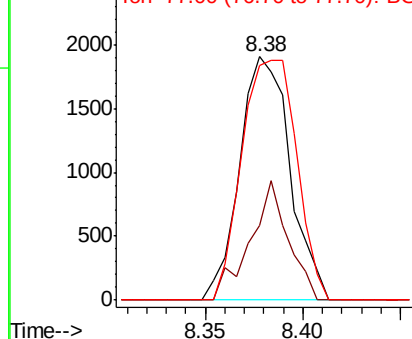
79 100

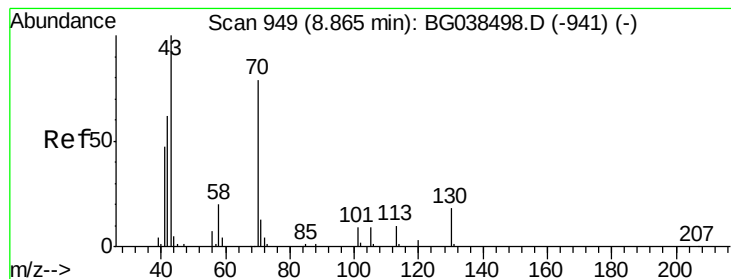
108 30.4 60.2 90.4#

77 96.2 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: 19.592 ng

RT: 9.24 min Scan# 1047

Delta R.T. 0.38 min

Lab File: BG038800.D

Acq: 22 Dec 2018 00:02

Instrument :

BNA_G

ClientSampleId :

72-11989

Tgt Ion: 70 Resp: 27362

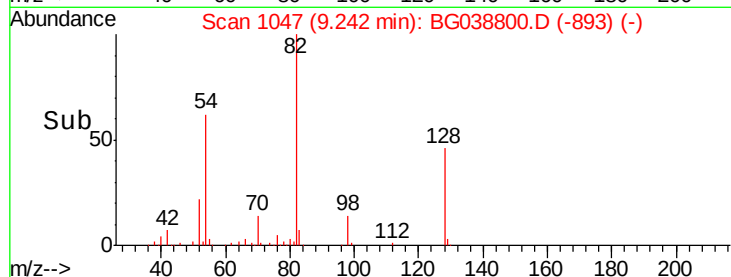
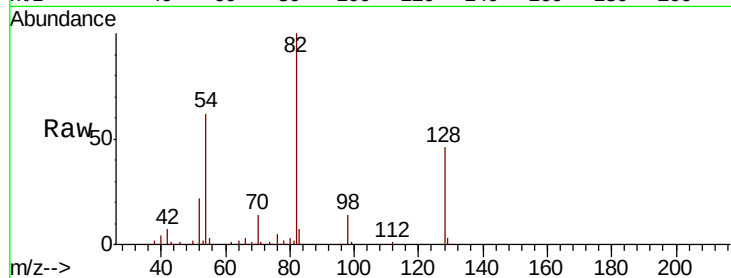
Ion Ratio Lower Upper

70 100

42 51.2 63.6 95.4#

101 0.0 9.2 13.8#

130 1.2 18.5 27.7#

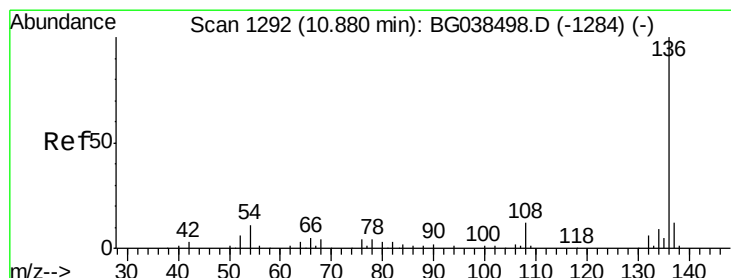
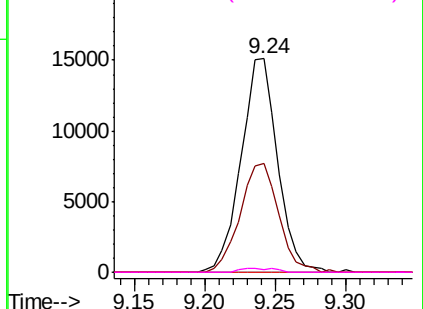


Abundance Ion 70.00 (69.70 to 70.70): BGC

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# 1326

Delta R.T. 0.00 min

Lab File: BG038800.D

Acq: 22 Dec 2018 00:02

Tgt Ion: 136 Resp: 107515

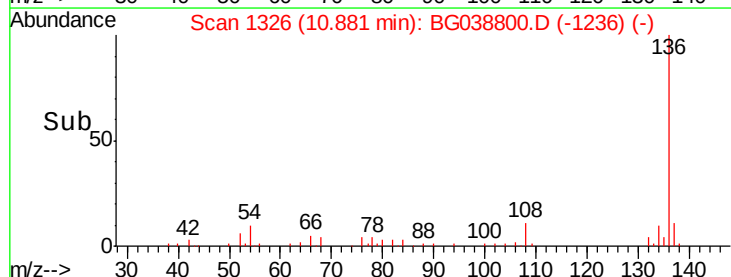
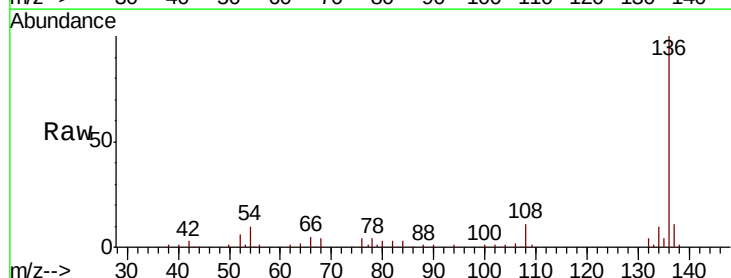
Ion Ratio Lower Upper

136 100

137 11.1 9.3 13.9

54 9.6 8.5 12.7

68 3.9 3.5 5.3

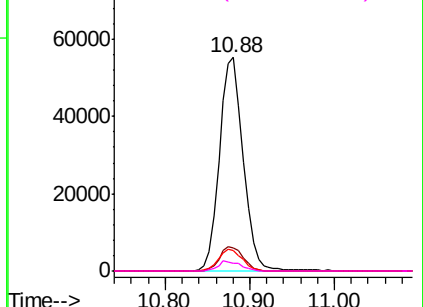


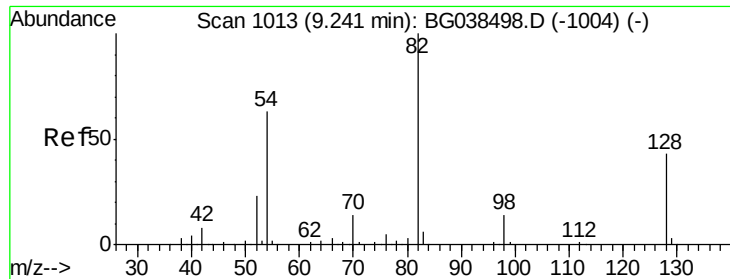
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

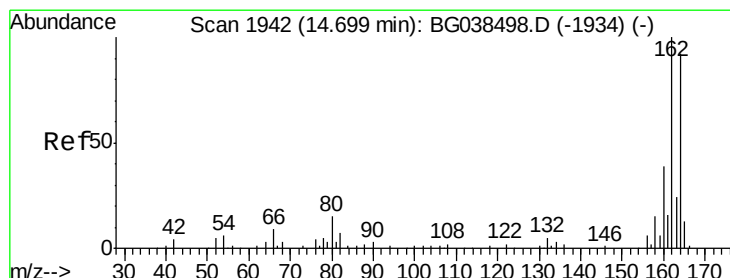
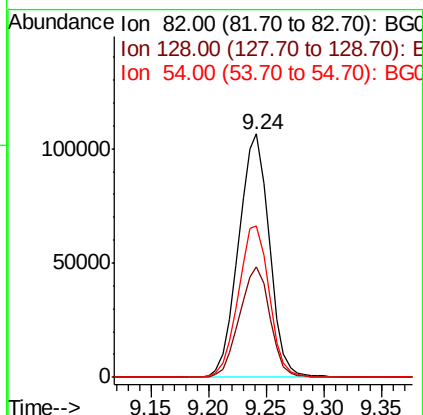
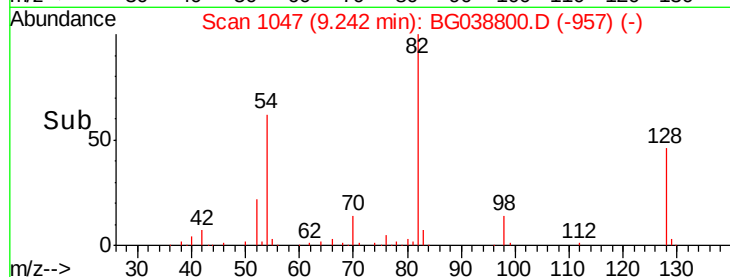
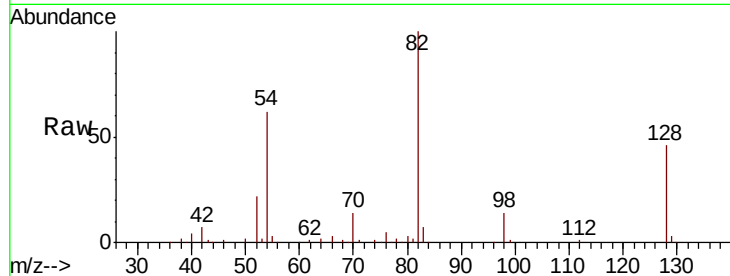




#23
 Nitrobenzene-d5
 Concen: 93.697 ng
 RT: 9.24 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: BG038800.D
 Acq: 22 Dec 2018 00:02

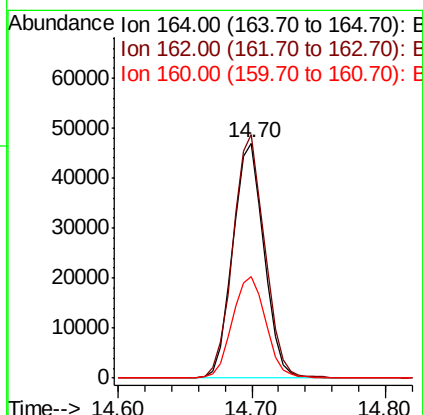
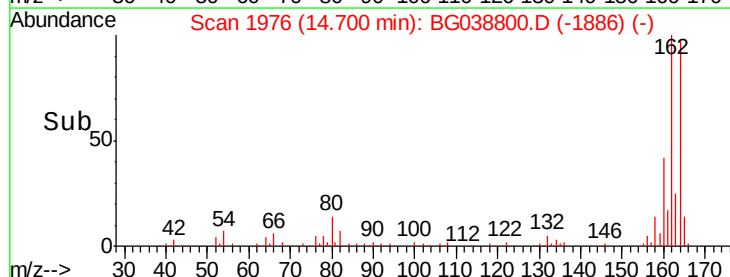
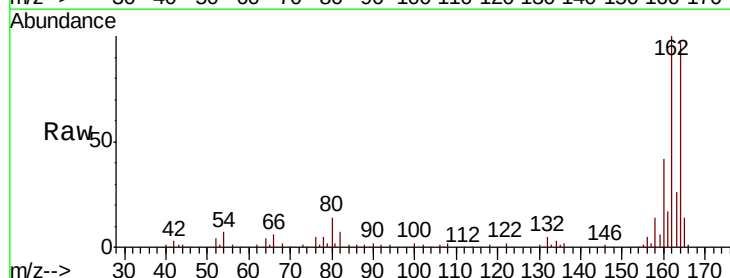
Instrument :
 BNA_G
 ClientSampleId :
 72-11989

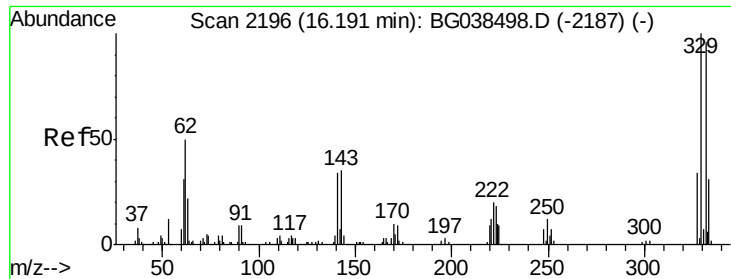
Tgt Ion: 82 Resp: 197189
 Ion Ratio Lower Upper
 82 100
 128 45.5 34.6 52.0
 54 62.0 50.6 76.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: BG038800.D
 Acq: 22 Dec 2018 00:02

Tgt Ion: 164 Resp: 76674
 Ion Ratio Lower Upper
 164 100
 162 103.6 86.6 130.0
 160 43.1 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 149.720 ng

RT: 16.19 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BG038800.D

Acq: 22 Dec 2018 00:02

Instrument :

BNA_G

ClientSampleId :

72-11989

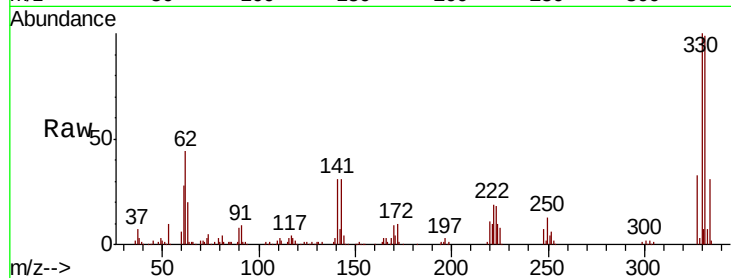
Tgt Ion:330 Resp: 158210

Ion Ratio Lower Upper

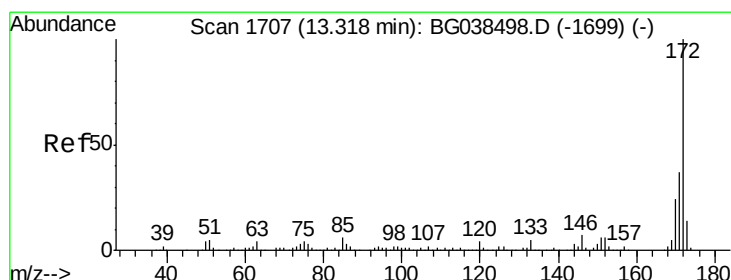
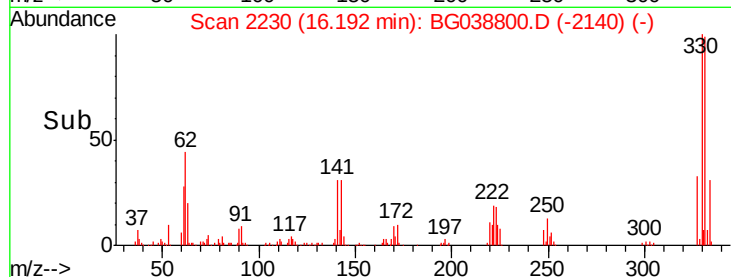
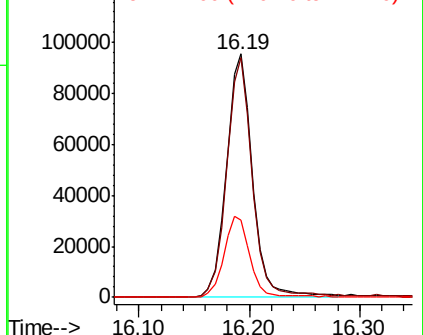
330 100

332 97.2 76.9 115.3

141 32.4 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: 99.378 ng

RT: 13.32 min Scan# 1741

Delta R.T. 0.00 min

Lab File: BG038800.D

Acq: 22 Dec 2018 00:02

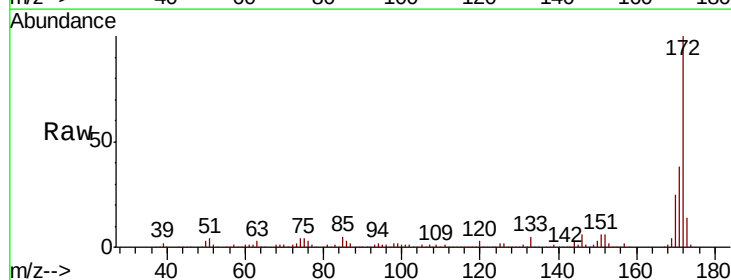
Tgt Ion:172 Resp: 555431

Ion Ratio Lower Upper

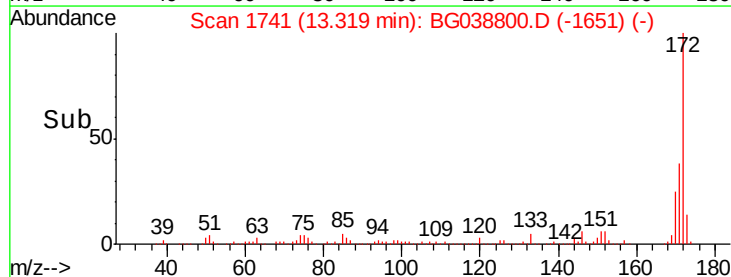
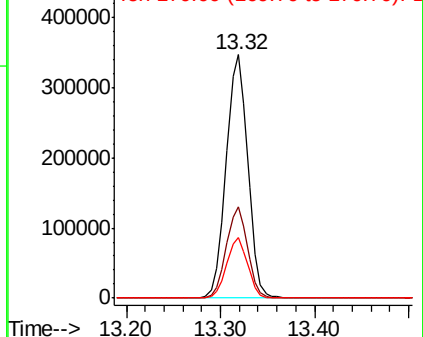
172 100

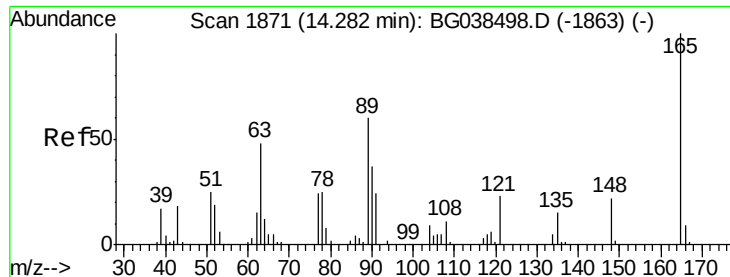
171 37.6 29.8 44.6

170 25.0 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

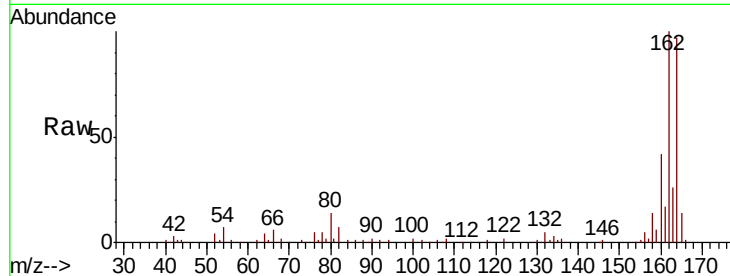




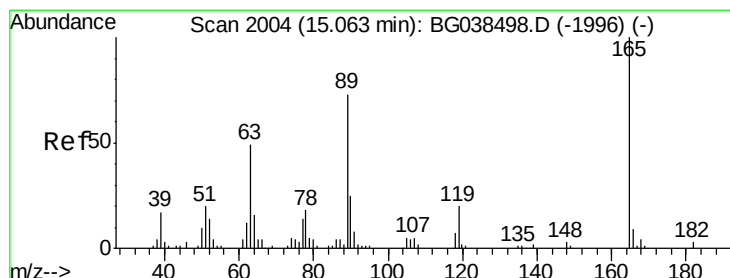
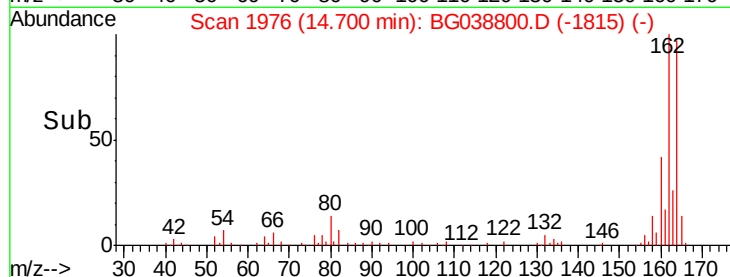
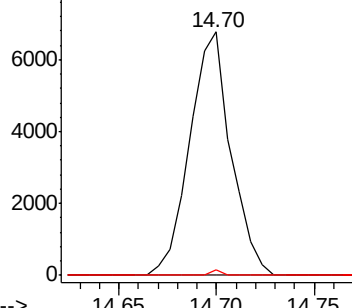
#51
 2,6-Dinitrotoluene
 Concen: 6.959 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. 0.42 min
 Lab File: BG038800.D
 Acq: 22 Dec 2018 00:02

Instrument :
 BNA_G
 ClientSampleId :
 72-11989

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.6#
89	2.3	47.9	71.9#



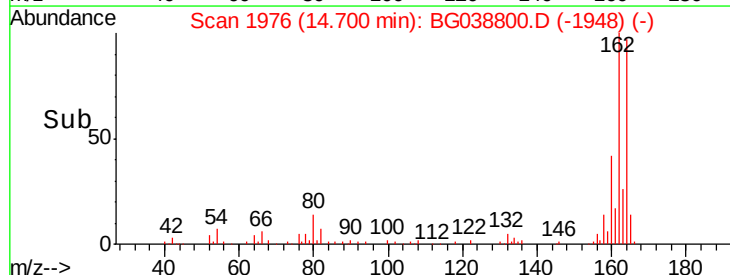
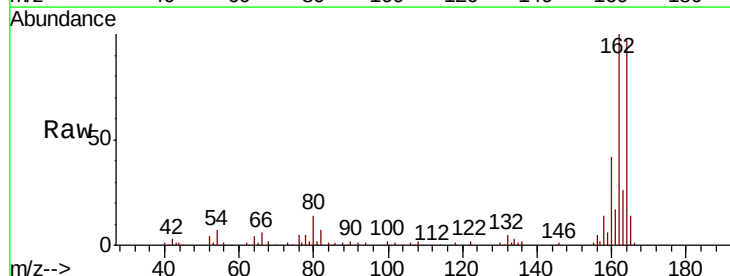
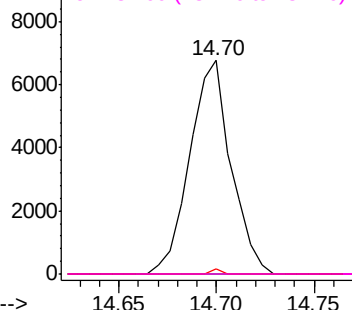
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

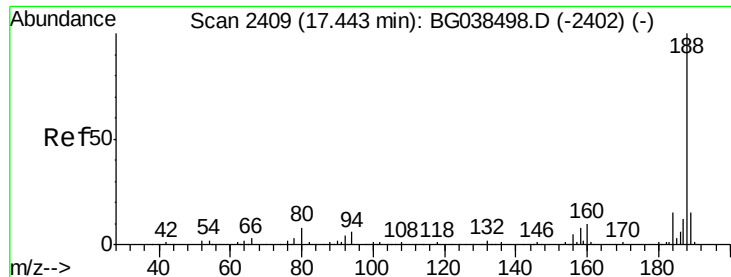


#57
 2,4-Dinitrotoluene
 Concen: 4.941 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.36 min
 Lab File: BG038800.D
 Acq: 22 Dec 2018 00:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	2.3	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

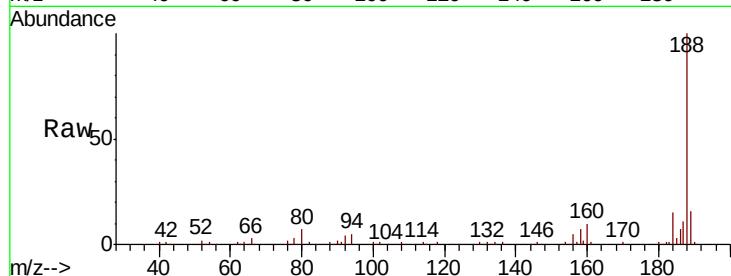




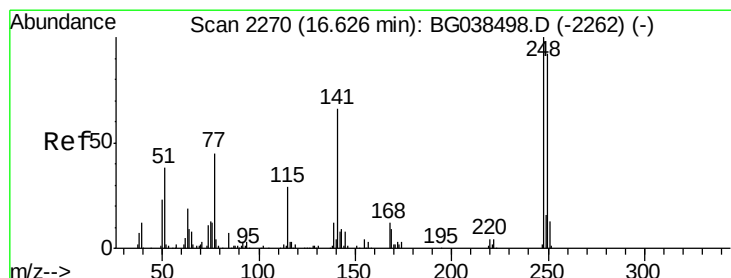
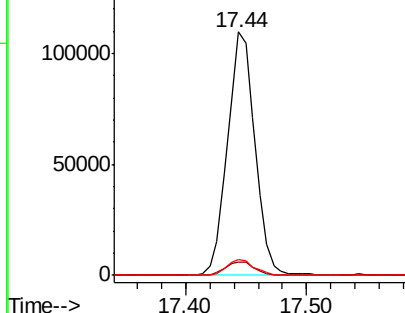
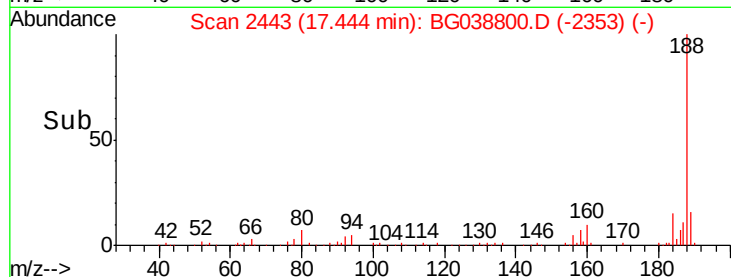
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BG038800.D
 Acq: 22 Dec 2018 00:02

Instrument :
 BNA_G
 ClientSampleId :
 72-11989

Tgt Ion:188 Resp: 173310
 Ion Ratio Lower Upper
 188 100
 94 5.5 5.1 7.7
 80 6.6 6.1 9.1

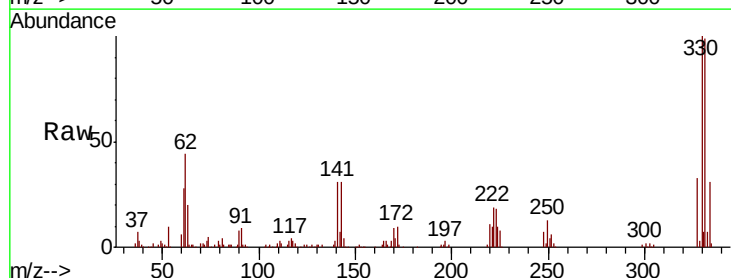


Abundance Ion 188.00 (187.70 to 188.70): E
 150000
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

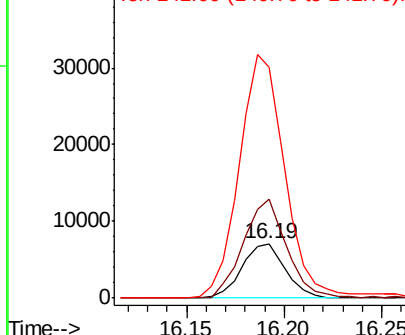
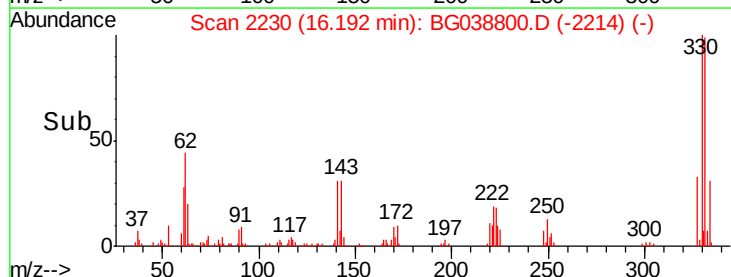


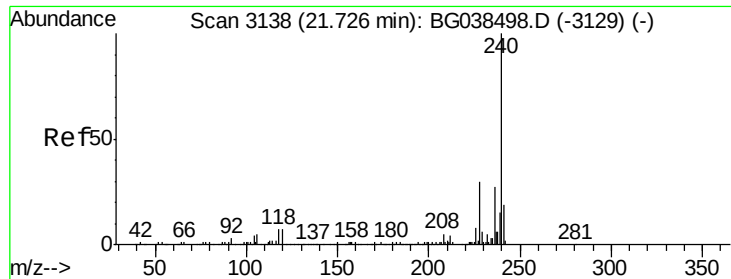
#67
 4-Bromophenyl-phenylether
 Concen: 5.135 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. -0.43 min
 Lab File: BG038800.D
 Acq: 22 Dec 2018 00:02

Tgt Ion:248 Resp: 10869
 Ion Ratio Lower Upper
 248 100
 250 181.8 73.4 110.2#
 141 334.3 52.9 79.3#



Abundance Ion 248.00 (247.70 to 248.70): E
 40000
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

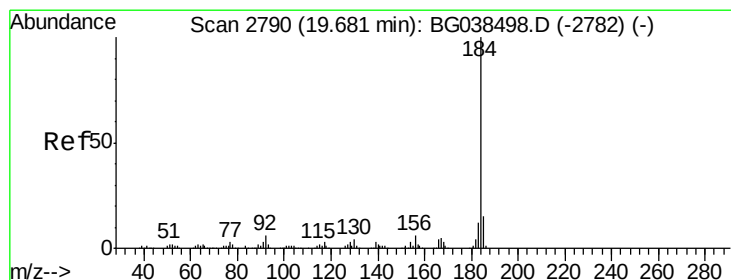
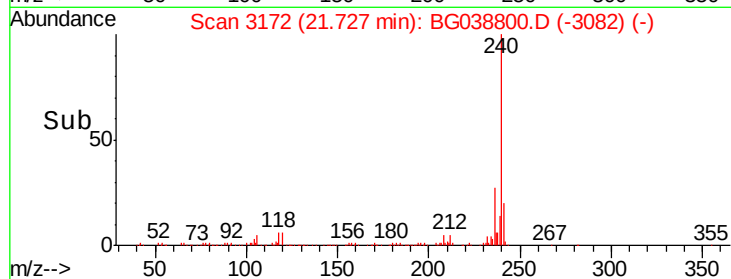
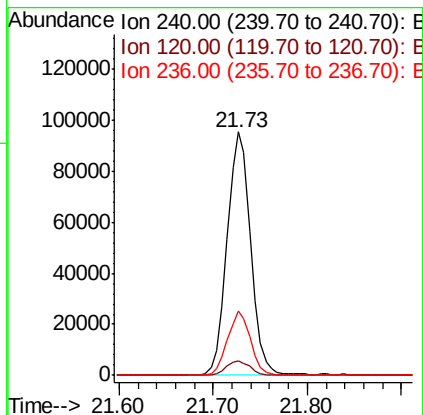
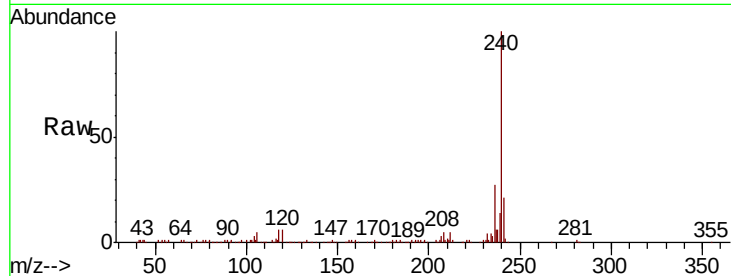




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3172
Delta R.T. 0.00 min
Lab File: BG038800.D
Acq: 22 Dec 2018 00:02

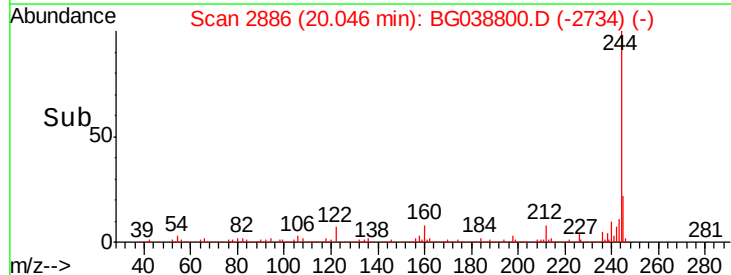
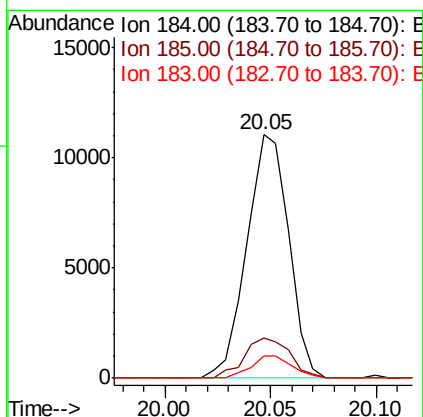
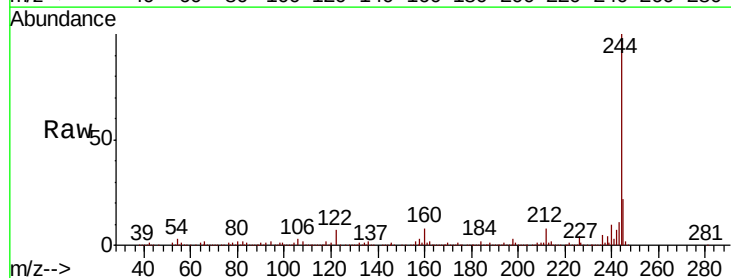
Instrument :
BNA_G
ClientSampleId :
72-11989

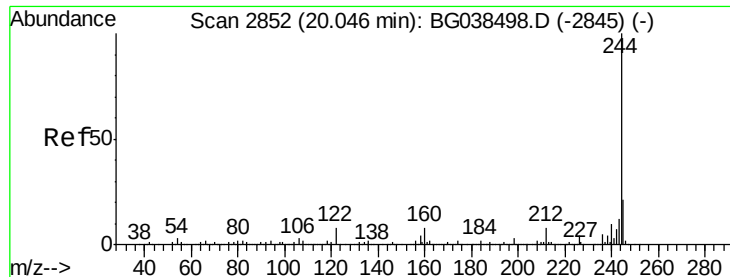
Tgt Ion:240 Resp: 166474
Ion Ratio Lower Upper
240 100
120 6.0 5.3 7.9
236 26.5 21.4 32.2



#77
Benzidine
Concen: 3.083 ng
RT: 20.05 min Scan# 2886
Delta R.T. 0.37 min
Lab File: BG038800.D
Acq: 22 Dec 2018 00:02

Tgt Ion:184 Resp: 15179
Ion Ratio Lower Upper
184 100
185 16.3 12.2 18.2
183 9.0 9.6 14.4#





#79

Terphenyl-d14

Concen: 117.066 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG038800.D

Acq: 22 Dec 2018 00:02

Instrument :

BNA_G

ClientSampleId :

72-11989

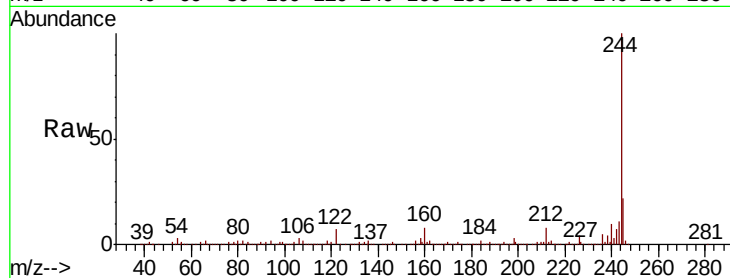
Tgt Ion:244 Resp: 895469

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

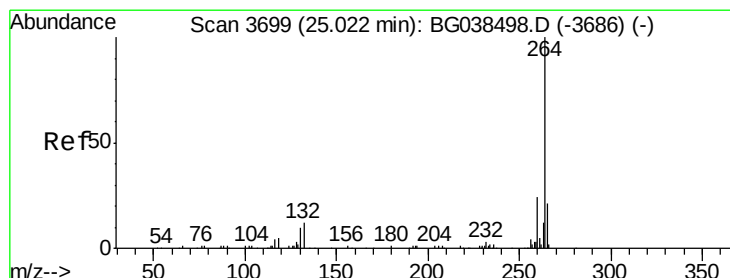
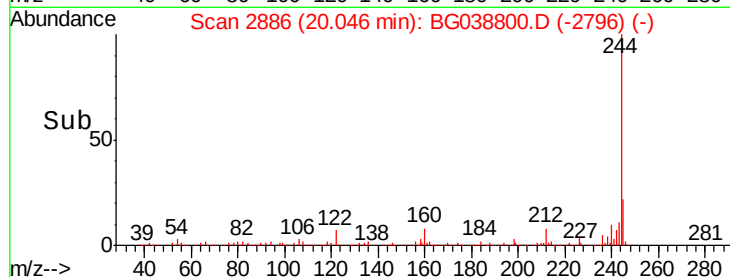
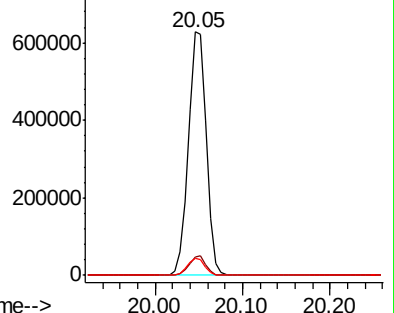
122 7.2 6.3 9.5



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: 25.03 min Scan# 3735

Delta R.T. 0.01 min

Lab File: BG038800.D

Acq: 22 Dec 2018 00:02

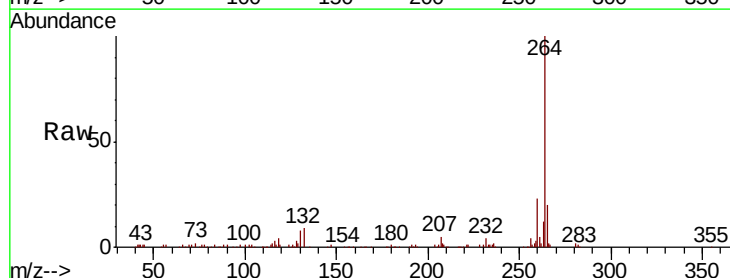
Tgt Ion:264 Resp: 177528

Ion Ratio Lower Upper

264 100

260 22.8 18.9 28.3

265 20.4 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

