

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121818\
 Data File : BG038704.D
 Acq On : 18 Dec 2018 21:17
 Operator : JU/SJ
 Sample : J6398-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DUP-01_121218

Quant Time: Dec 19 07:00:53 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

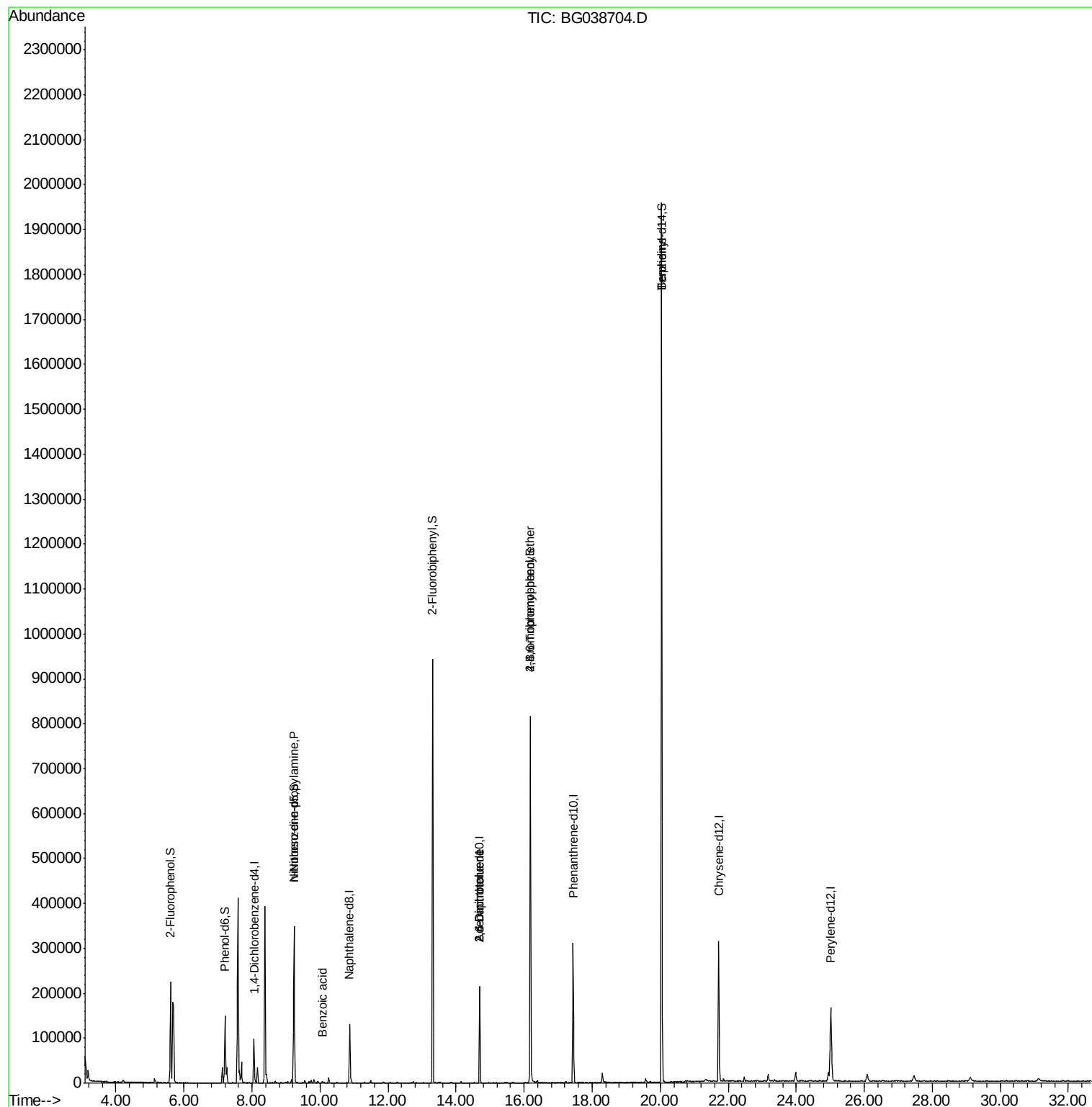
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	28742	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	115233	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	79128	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	196659	20.00	ng	0.00
76) Chrysene-d12	21.72	240	200517	20.00	ng	0.00
87) Perylene-d12	25.02	264	209324	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	97326	60.06	ng	0.00
7) Phenol-d6	7.21	99	82972	37.30	ng	0.00
23) Nitrobenzene-d5	9.23	82	200054	88.69	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	163048	149.51	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	518008	89.81	ng	0.00
79) Terphenyl-d14	20.04	244	952773	103.41	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	27242	17.435	ng	# 71
32) Benzoic acid	10.07	122	1807	11.504	ng	# 7
51) 2,6-Dinitrotoluene	14.69	165	9986	6.819	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	9986	4.842	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	10966	4.566	ng	# 1
77) Benzidine	20.04	184	16921	2.853	ng	98

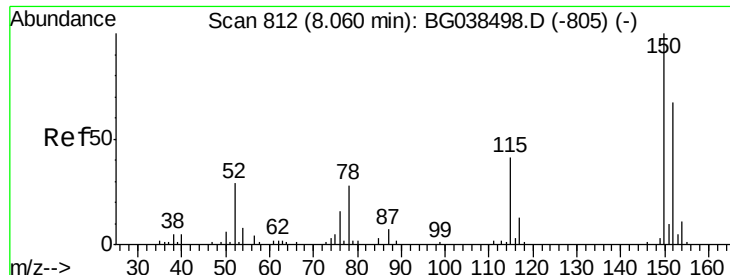
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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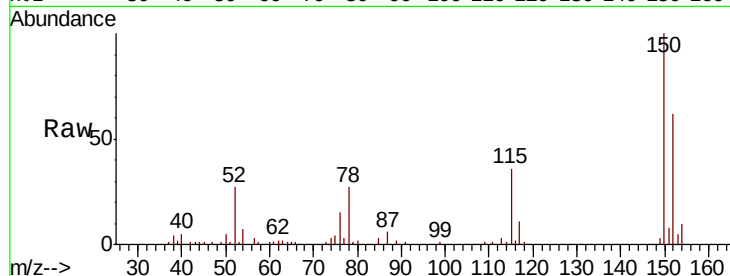


#1

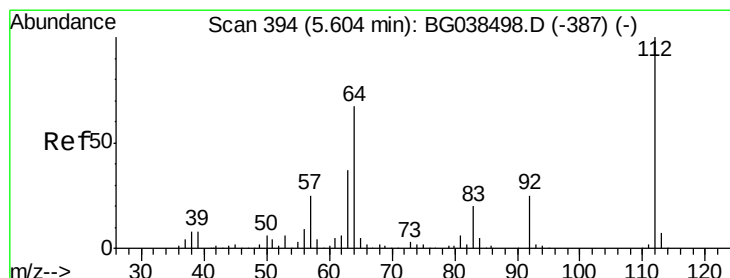
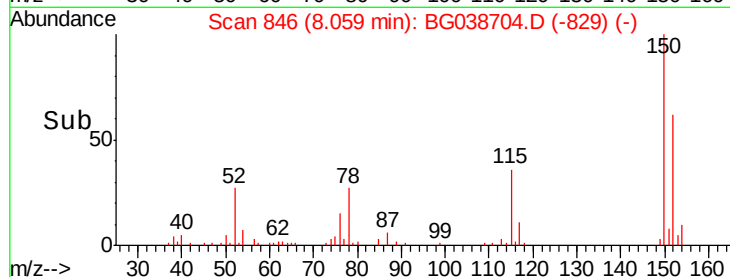
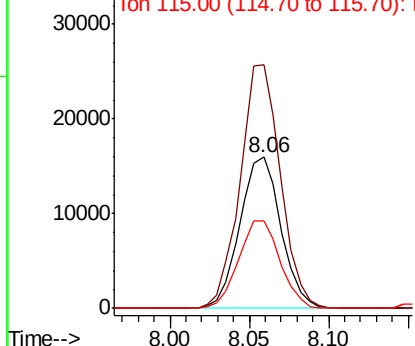
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038704.D
Acq: 18 Dec 2018 21:17

Instrument :
BNA_G
ClientSampleId :
DUP-01_121218

Tgt Ion:152 Resp: 28742
Ion Ratio Lower Upper
152 100
150 161.2 119.5 179.3
115 58.0 49.6 74.4



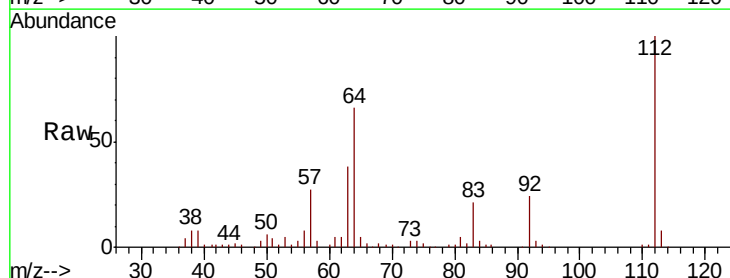
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



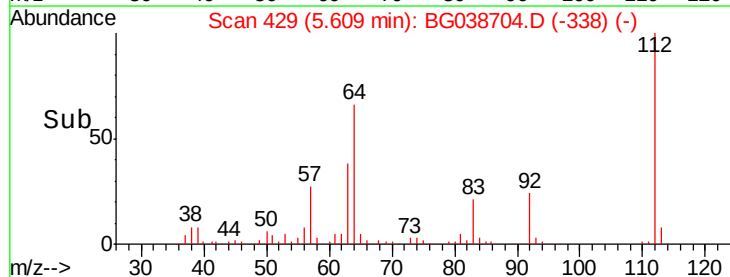
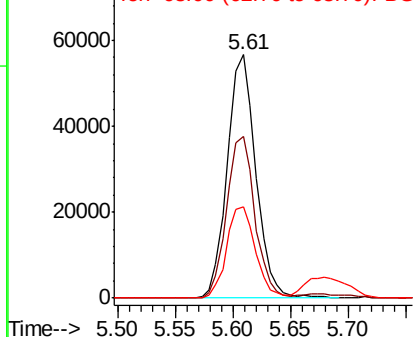
#5

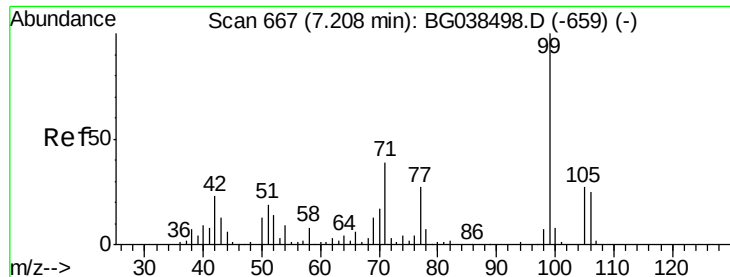
2-Fluorophenol
Concen: 60.059 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038704.D
Acq: 18 Dec 2018 21:17

Tgt Ion:112 Resp: 97326
Ion Ratio Lower Upper
112 100
64 66.2 53.4 80.2
63 37.5 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: 37.297 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038704.D

Acq: 18 Dec 2018 21:17

Instrument :

BNA_G

ClientSampleId :

DUP-01_121218

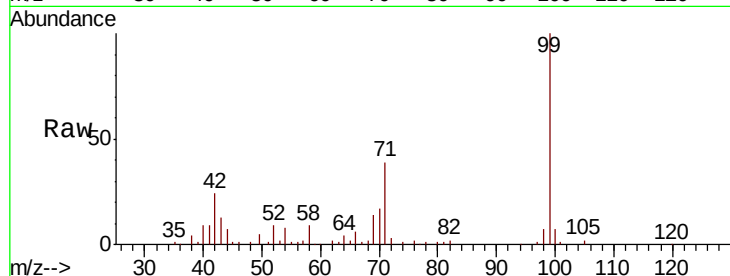
Tgt Ion: 99 Resp: 82972

Ion Ratio Lower Upper

99 100

42 23.6 18.5 27.7

71 38.7 31.1 46.7

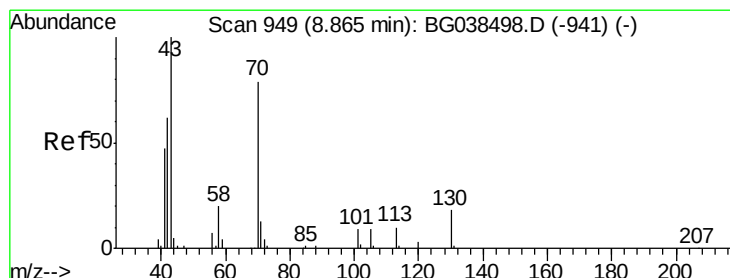
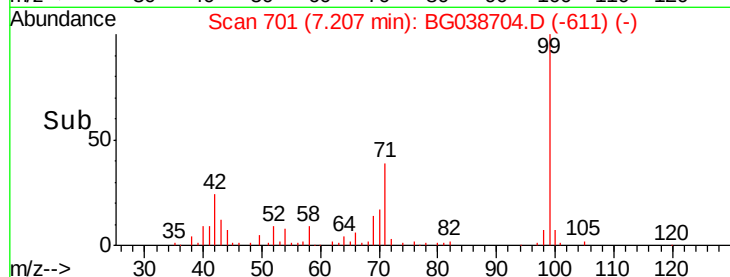
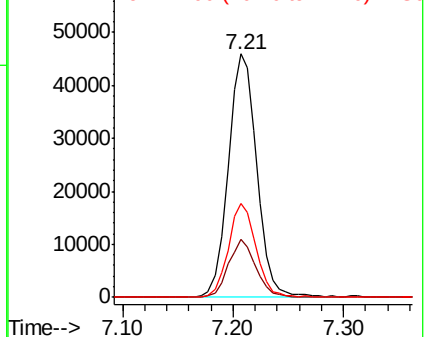


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 17.435 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038704.D

Acq: 18 Dec 2018 21:17

Tgt Ion: 70 Resp: 27242

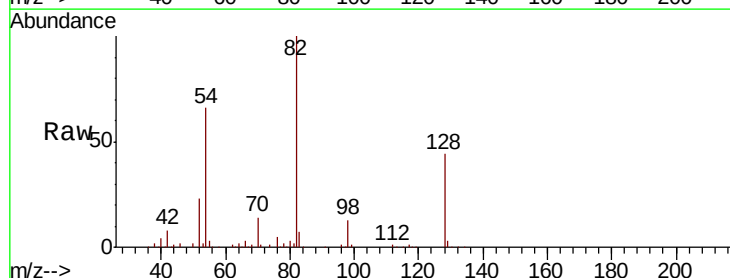
Ion Ratio Lower Upper

70 100

42 57.8 63.6 95.4#

101 0.0 9.2 13.8#

130 3.2 18.5 27.7#



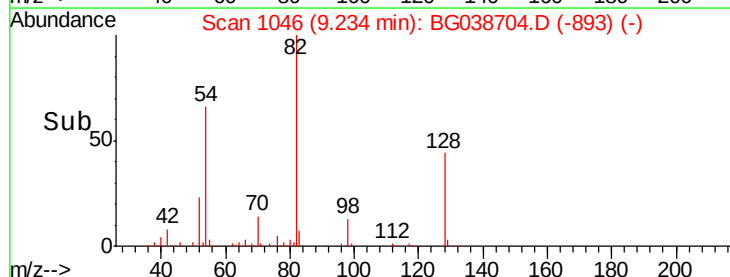
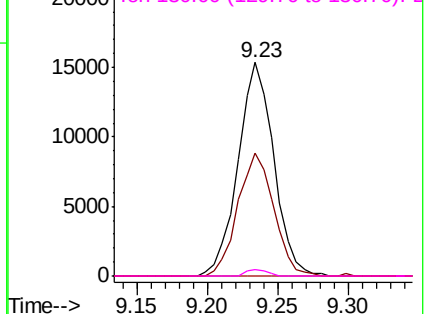
Abundance

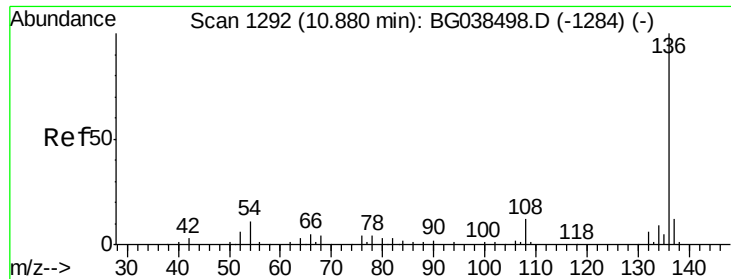
Ion 70.00 (69.70 to 70.70): BGC

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

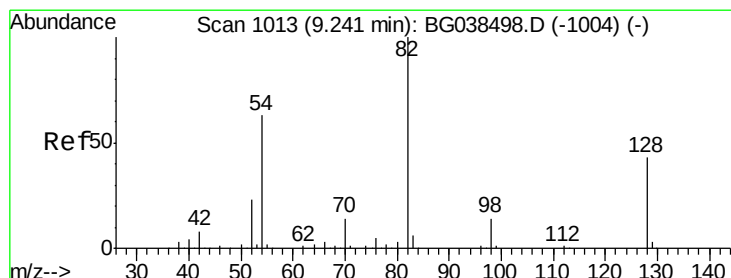
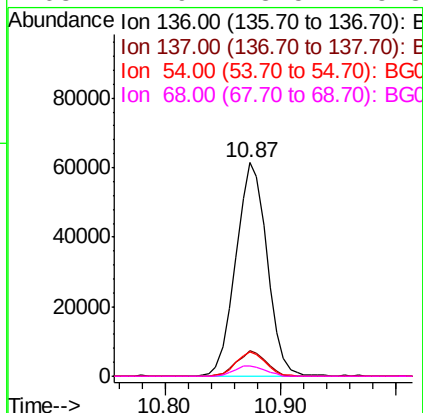
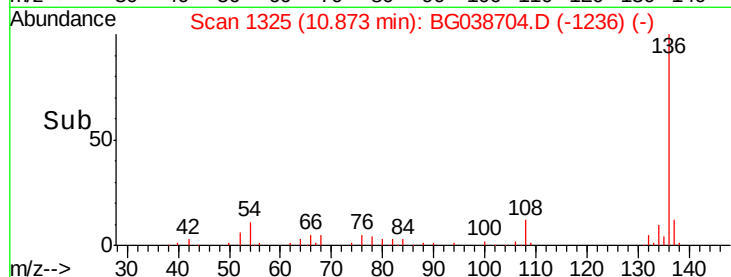
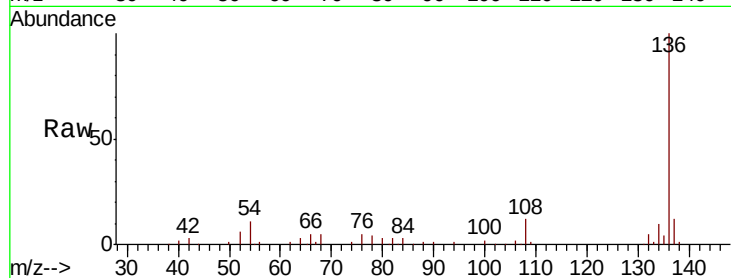




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038704.D
Acq: 18 Dec 2018 21:17

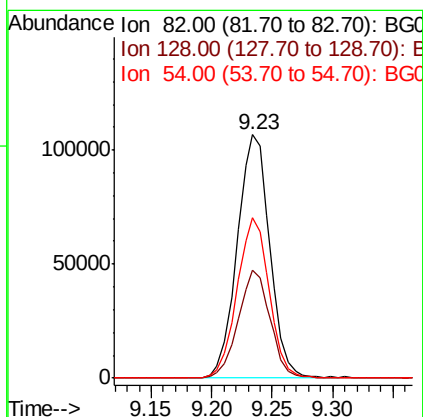
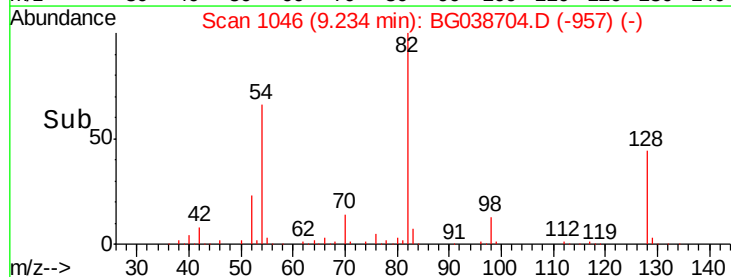
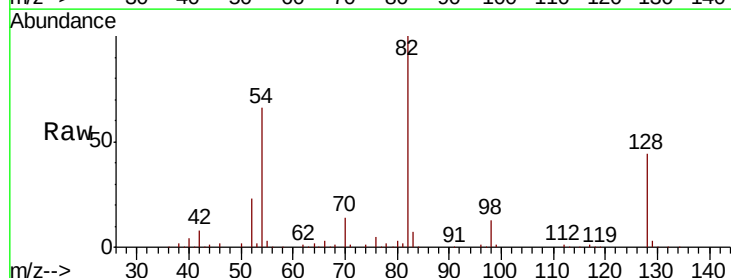
Instrument :
BNA_G
ClientSampleId :
DUP-01_121218

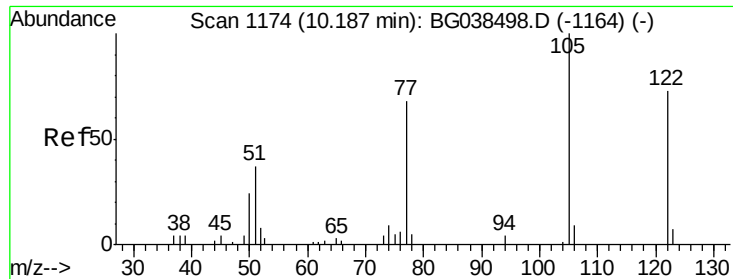
Tgt Ion:	136	Resp:	115233
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.3	13.9
54	11.2	8.5	12.7
68	4.9	3.5	5.3



#23
Nitrobenzene-d5
Concen: 88.691 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038704.D
Acq: 18 Dec 2018 21:17

Tgt Ion:	82	Resp:	200054
Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.6	52.0
54	66.1	50.6	76.0

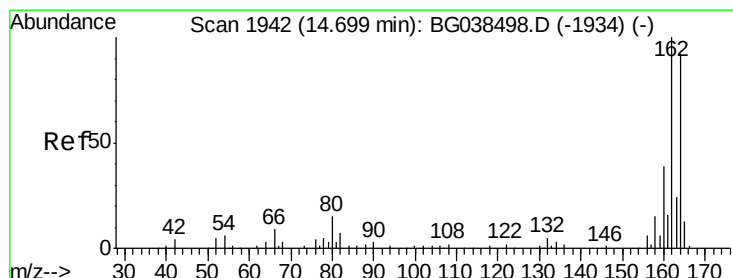
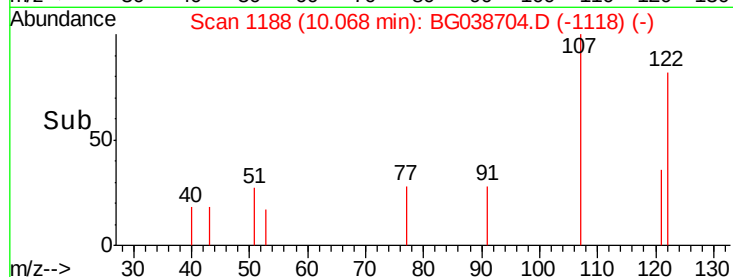
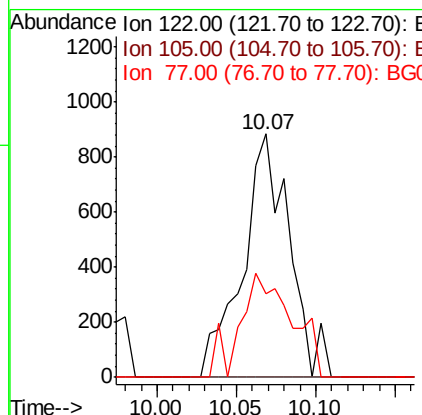
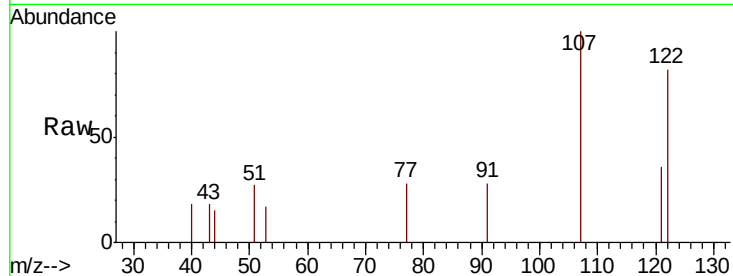




#32
Benzoic acid
Concen: 11.504 ng
RT: 10.07 min Scan# 1188
Delta R.T. -0.12 min
Lab File: BG038704.D
Acq: 18 Dec 2018 21:17

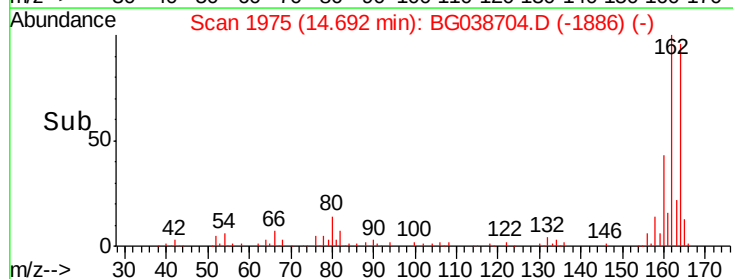
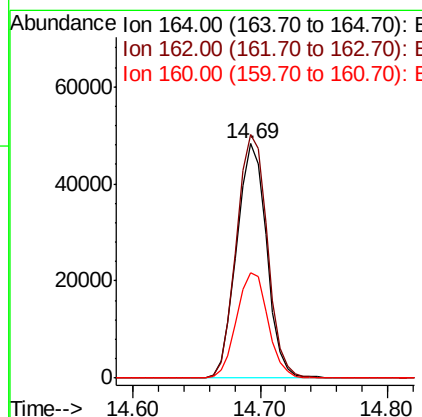
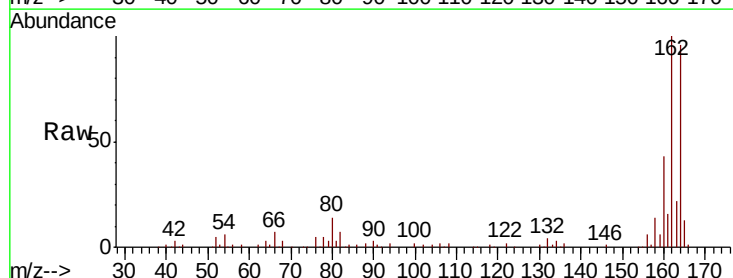
Instrument :
BNA_G
ClientSampleId :
DUP-01_121218

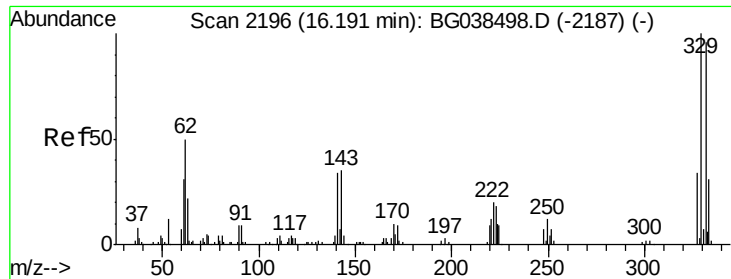
Tgt Ion:122 Resp: 1807
Ion Ratio Lower Upper
122 100
105 0.0 116.7 156.7#
77 34.2 72.5 112.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BG038704.D
Acq: 18 Dec 2018 21:17

Tgt Ion:164 Resp: 79128
Ion Ratio Lower Upper
164 100
162 104.0 86.6 130.0
160 44.9 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 149.513 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038704.D

Acq: 18 Dec 2018 21:17

Instrument :

BNA_G

ClientSampleId :

DUP-01_121218

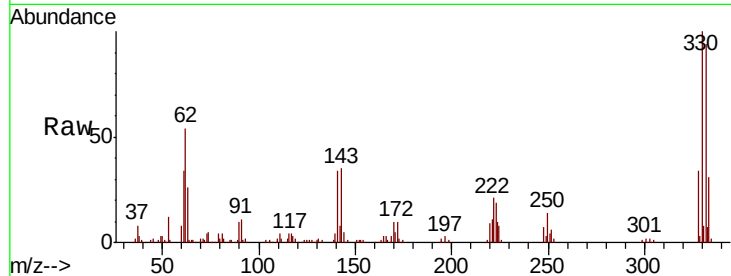
Tgt Ion:330 Resp: 163048

Ion Ratio Lower Upper

330 100

332 94.8 76.9 115.3

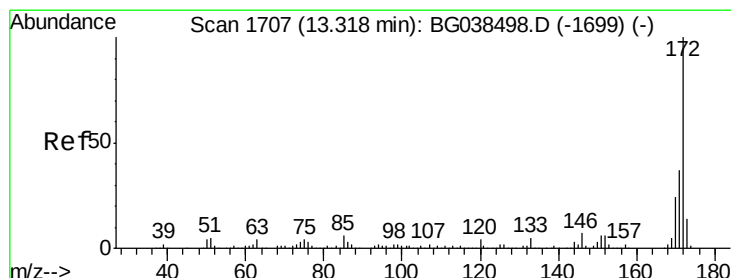
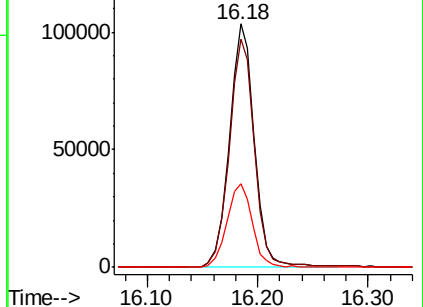
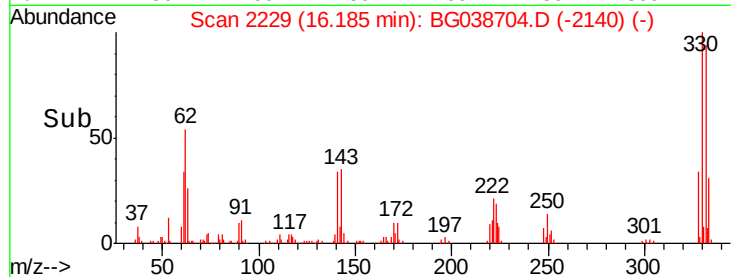
141 35.2 28.8 43.2



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: 89.807 ng

RT: 13.32 min Scan# 1741

Delta R.T. -0.00 min

Lab File: BG038704.D

Acq: 18 Dec 2018 21:17

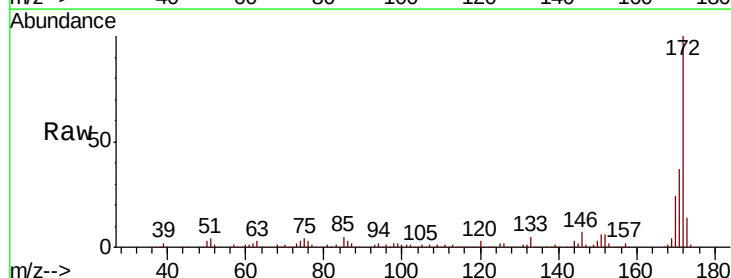
Tgt Ion:172 Resp: 518008

Ion Ratio Lower Upper

172 100

171 36.8 29.8 44.6

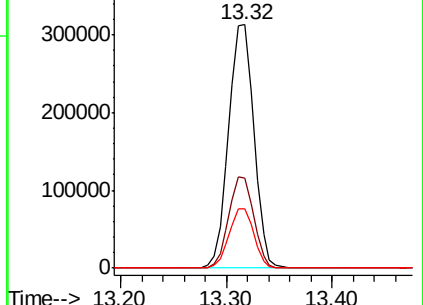
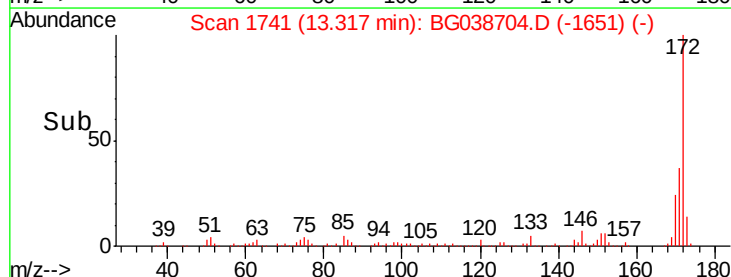
170 24.3 19.5 29.3

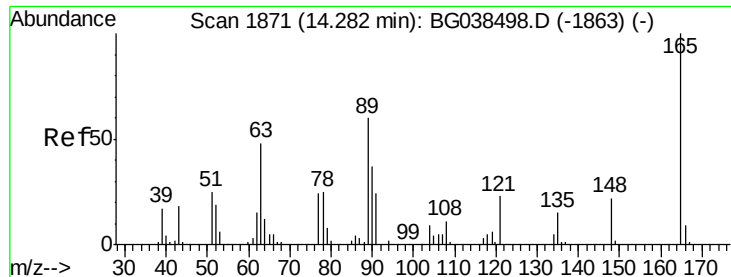


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

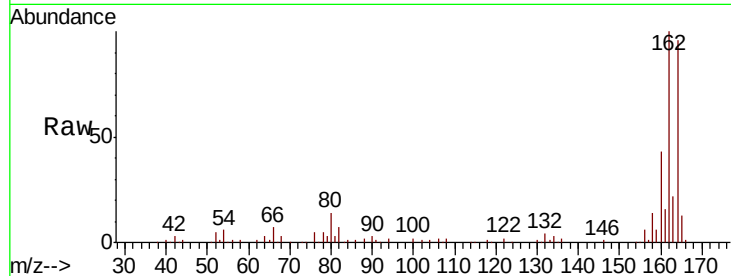




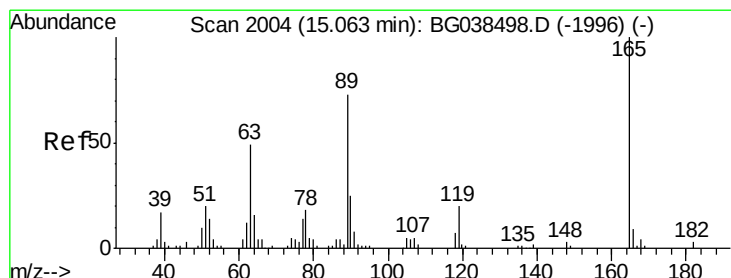
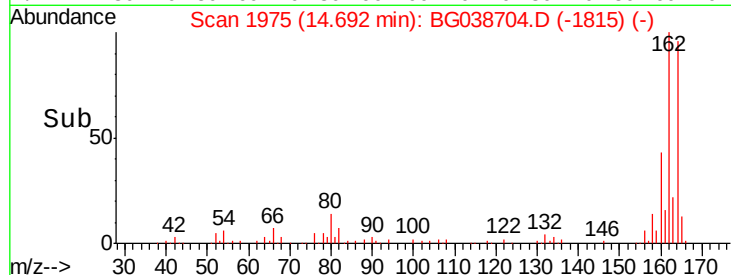
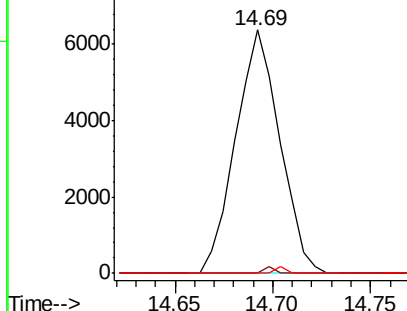
#51
 2,6-Dinitrotoluene
 Concen: 6.819 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038704.D
 Acq: 18 Dec 2018 21:17

Instrument :
 BNA_G
 ClientSampleId :
 DUP-01_121218

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

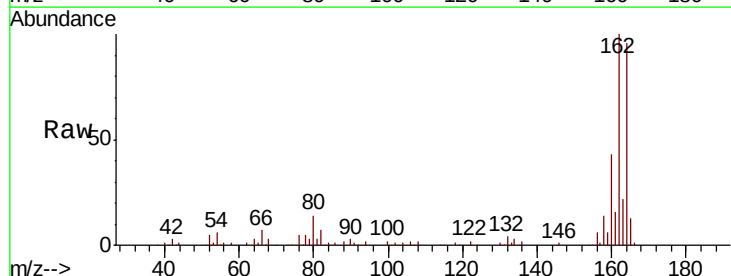


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

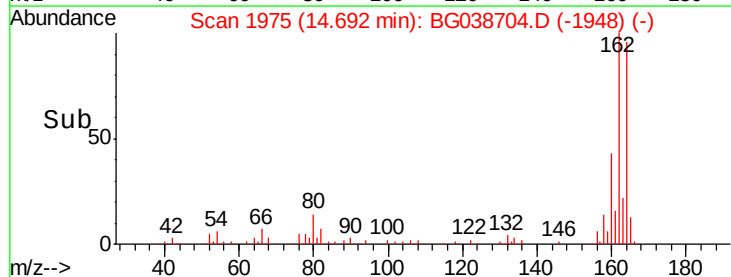
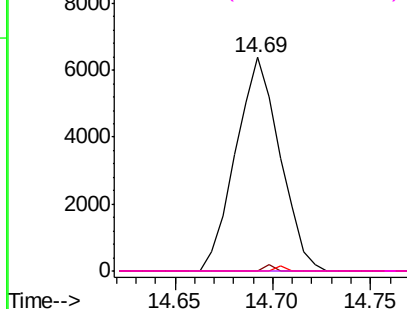


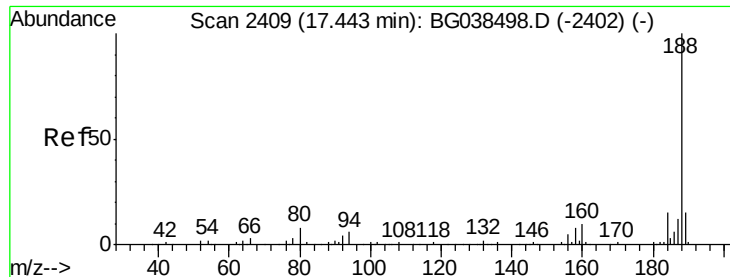
#57
 2,4-Dinitrotoluene
 Concen: 4.842 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038704.D
 Acq: 18 Dec 2018 21:17

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: BG038704.D

Acq: 18 Dec 2018 21:17

Instrument :

BNA_G

ClientSampleId :

DUP-01_121218

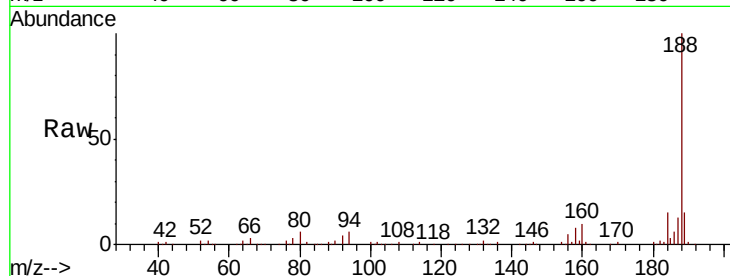
Tgt Ion:188 Resp: 196659

Ion Ratio Lower Upper

188 100

94 6.2 5.1 7.7

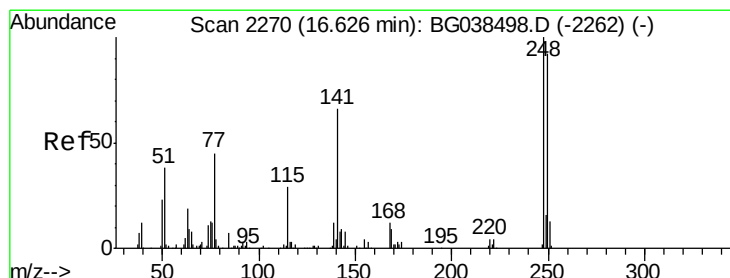
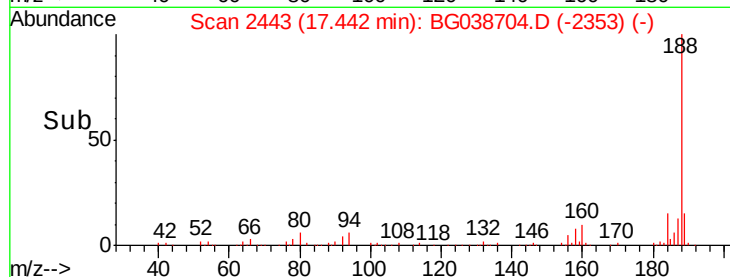
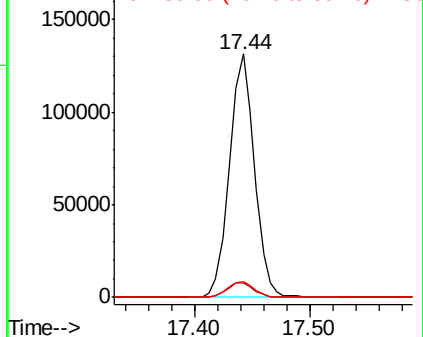
80 6.3 6.1 9.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#67

4-Bromophenyl-phenylether

Concen: 4.566 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.44 min

Lab File: BG038704.D

Acq: 18 Dec 2018 21:17

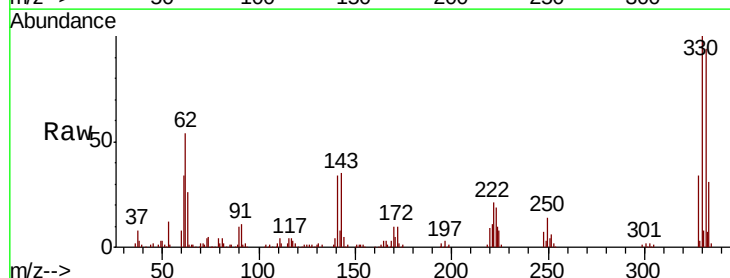
Tgt Ion:248 Resp: 10966

Ion Ratio Lower Upper

248 100

250 196.0 73.4 110.2#

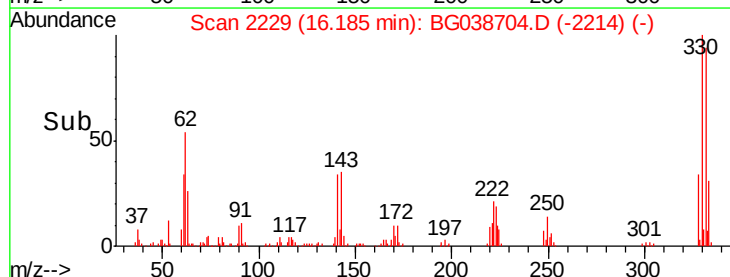
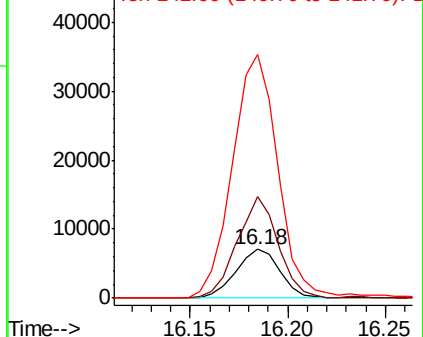
141 363.2 52.9 79.3#

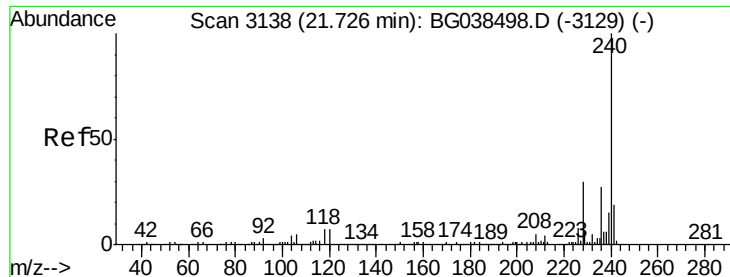


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

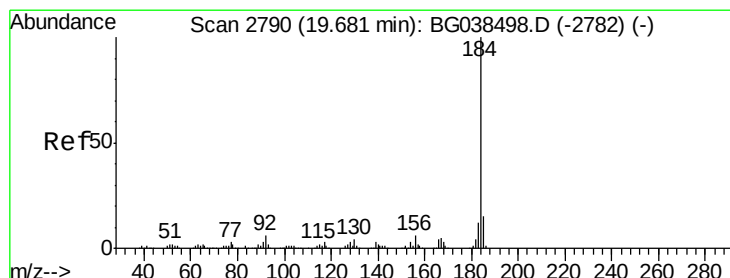
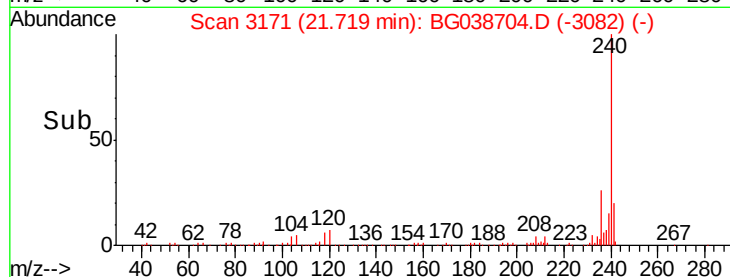
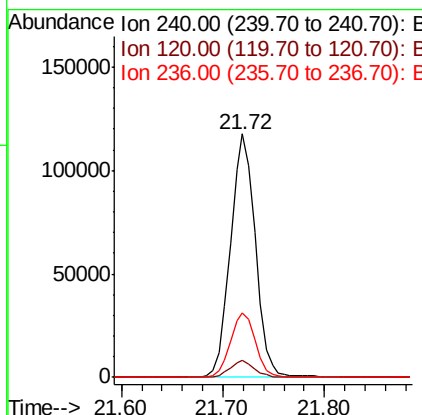
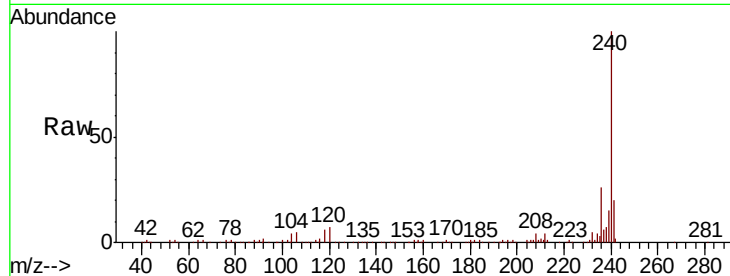




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. -0.01 min
 Lab File: BG038704.D
 Acq: 18 Dec 2018 21:17

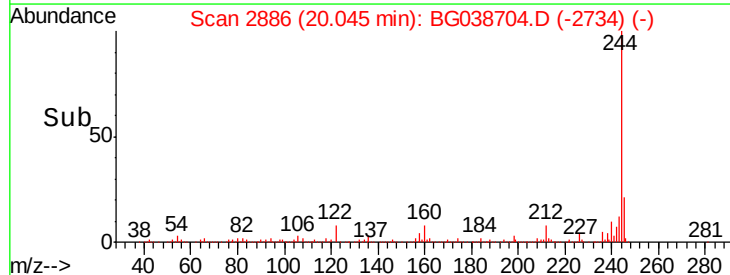
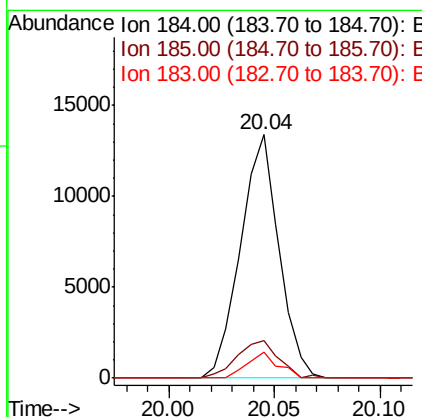
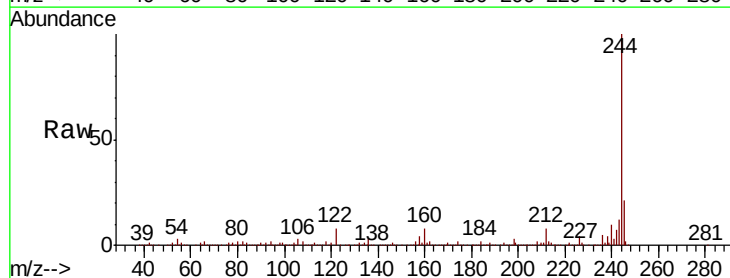
Instrument :
 BNA_G
 ClientSampleId :
 DUP-01_121218

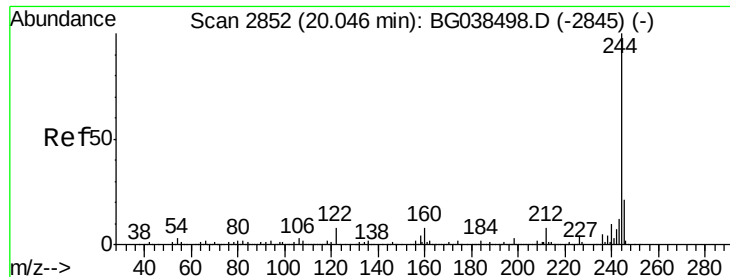
Tgt Ion:240 Resp: 200517
 Ion Ratio Lower Upper
 240 100
 120 6.8 5.3 7.9
 236 26.2 21.4 32.2



#77
 Benzidine
 Concen: 2.853 ng
 RT: 20.04 min Scan# 2886
 Delta R.T. 0.36 min
 Lab File: BG038704.D
 Acq: 18 Dec 2018 21:17

Tgt Ion:184 Resp: 16921
 Ion Ratio Lower Upper
 184 100
 185 15.6 12.2 18.2
 183 10.9 9.6 14.4





#79

Terphenyl-d14

Concen: 103.410 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038704.D

Acq: 18 Dec 2018 21:17

Instrument :

BNA_G

ClientSampleId :

DUP-01_121218

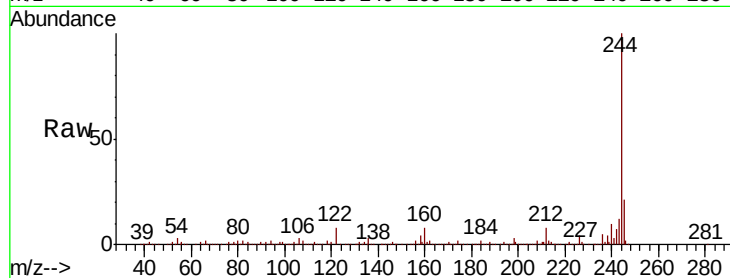
Tgt Ion:244 Resp: 952773

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

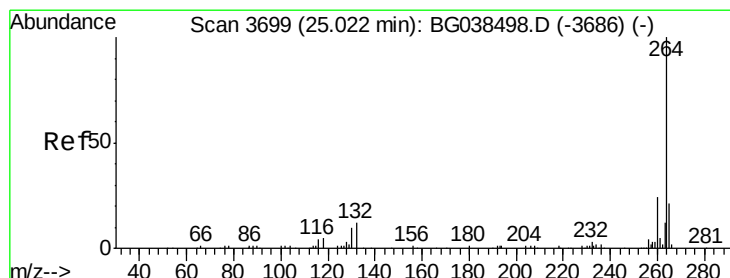
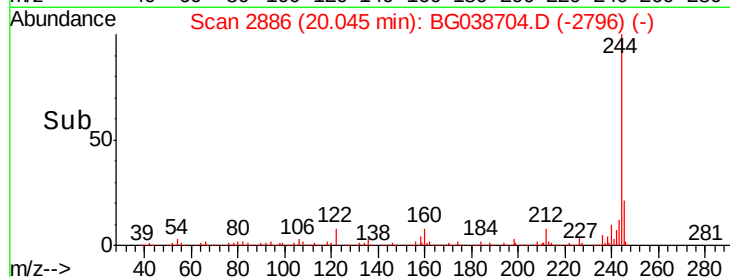
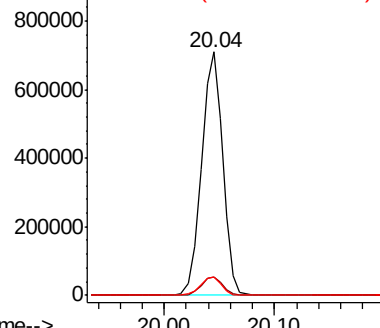
122 7.5 6.3 9.5



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# 3733

Delta R.T. -0.00 min

Lab File: BG038704.D

Acq: 18 Dec 2018 21:17

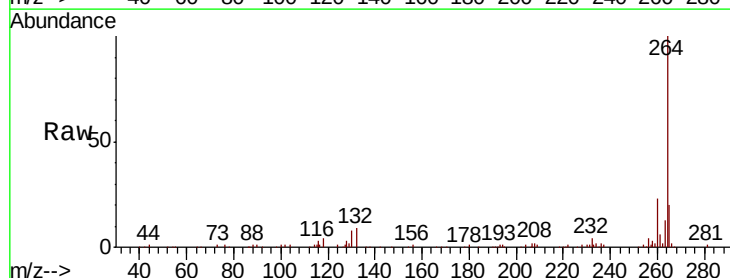
Tgt Ion:264 Resp: 209324

Ion Ratio Lower Upper

264 100

260 23.0 18.9 28.3

265 19.9 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

