

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121618\
 Data File : BG038638.D
 Acq On : 16 Dec 2018 13:25
 Operator : JU/SJ
 Sample : PB115713BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 17 05:49:44 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

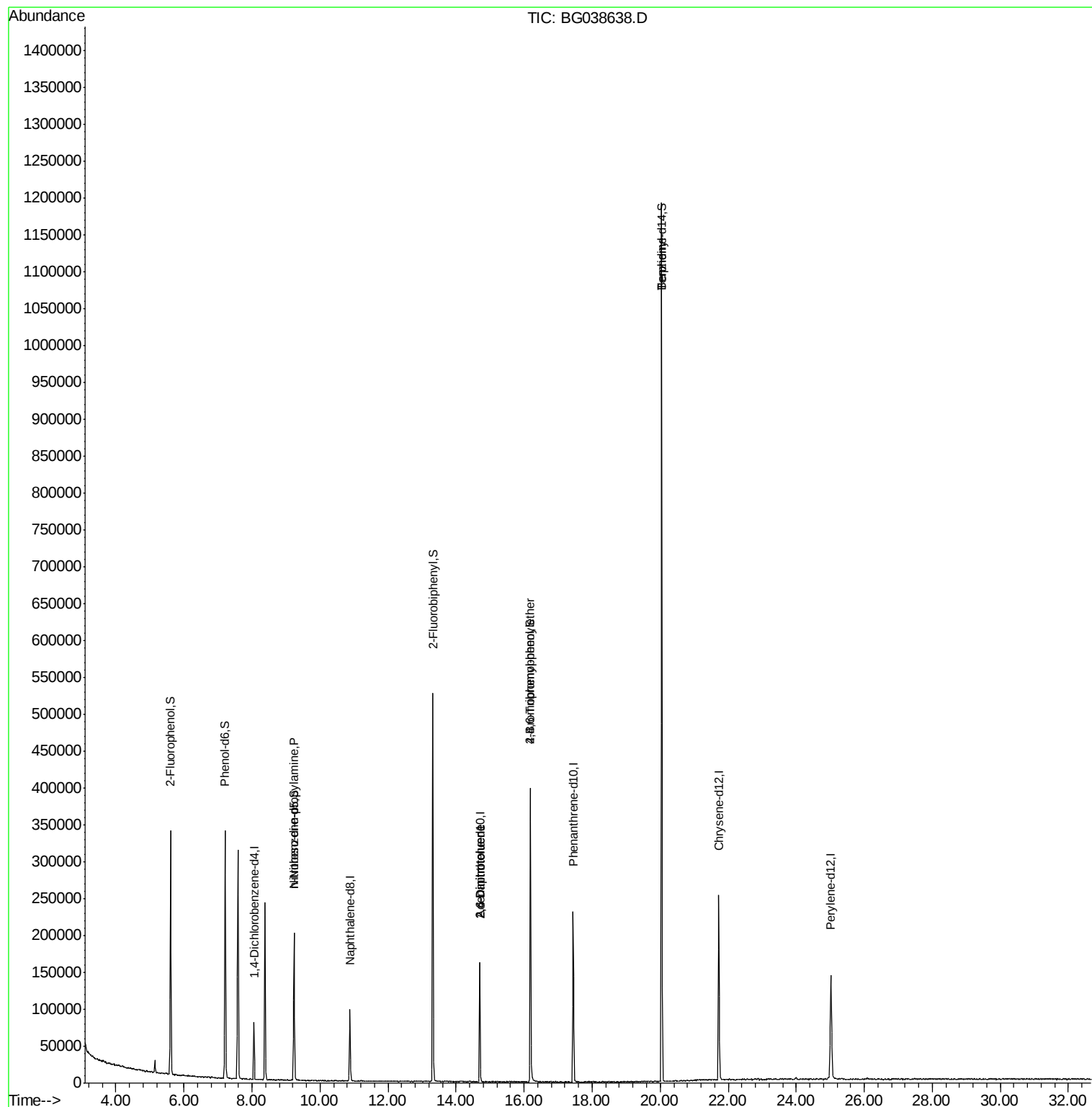
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	22194	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	89631	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	60509	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	156371	20.00	ng	0.00
76) Chrysene-d12	21.72	240	163226	20.00	ng	0.00
87) Perylene-d12	25.01	264	173780	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	137474	109.86	ng	0.00
7) Phenol-d6	7.21	99	185023	107.71	ng	0.00
23) Nitrobenzene-d5	9.23	82	120065	68.43	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	82924	99.44	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	289956	65.74	ng	0.00
79) Terphenyl-d14	20.04	244	569058	75.87	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	15971	13.237	ng	# 68
51) 2,6-Dinitrotoluene	14.70	165	7589	6.777	ng	# 19
57) 2,4-Dinitrotoluene	14.70	165	7589	4.812	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	5549	2.906	ng	# 1
77) Benzidine	20.04	184	9859	2.042	ng	# 92

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

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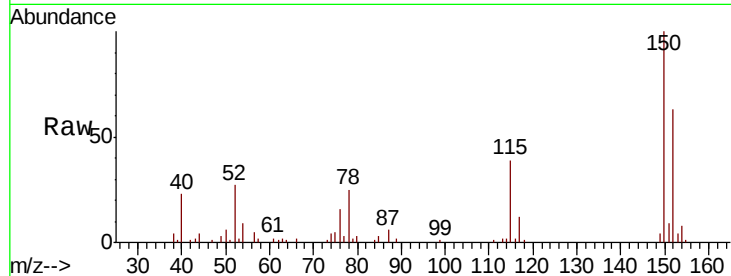


#1

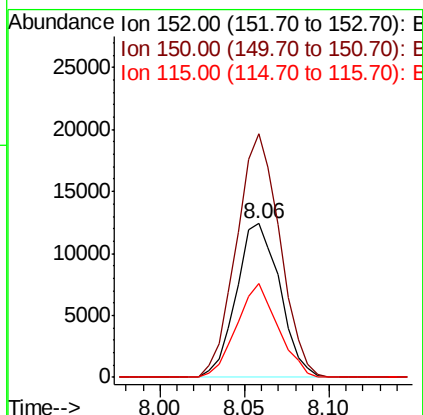
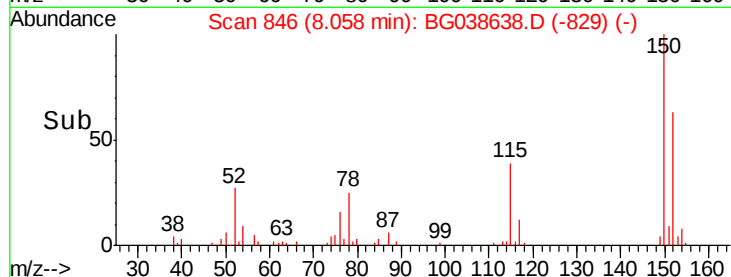
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038638.D
Acq: 16 Dec 2018 13:25

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 22194
Ion Ratio Lower Upper
152 100
150 158.7 119.5 179.3
115 61.4 49.6 74.4



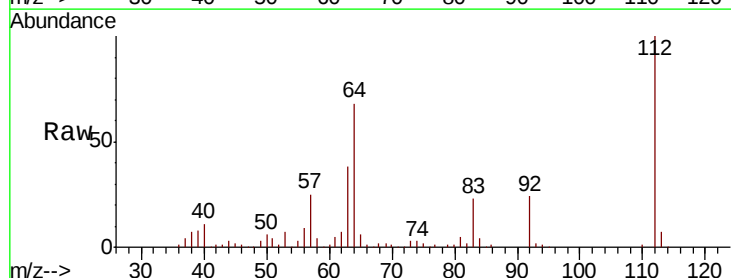
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



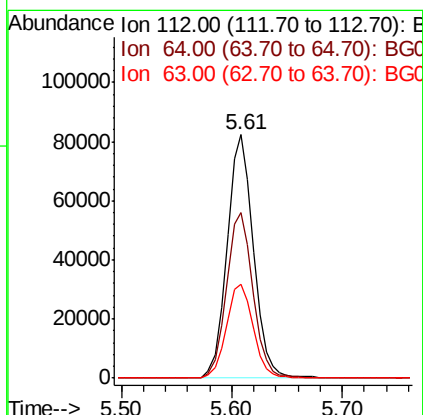
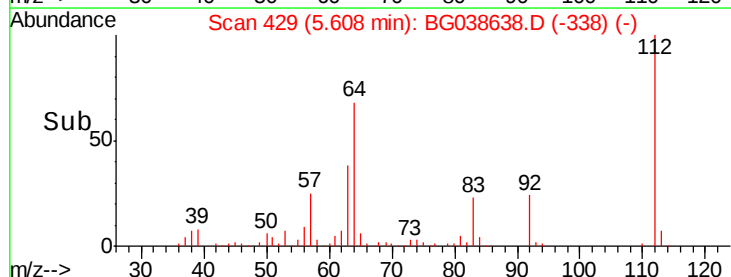
#5

2-Fluorophenol
Concen: 109.863 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038638.D
Acq: 16 Dec 2018 13:25

Tgt Ion:112 Resp: 137474
Ion Ratio Lower Upper
112 100
64 68.0 53.4 80.2
63 38.4 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: 107.708 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038638.D

Acq: 16 Dec 2018 13:25

Instrument :

BNA_G

ClientSampled :

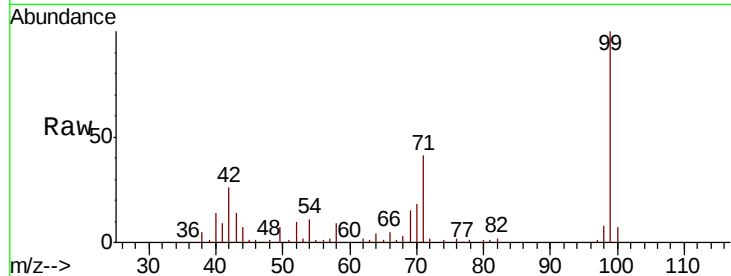
Tot Ion: 99 Resp: 185023

Ion Ratio Lower Upper

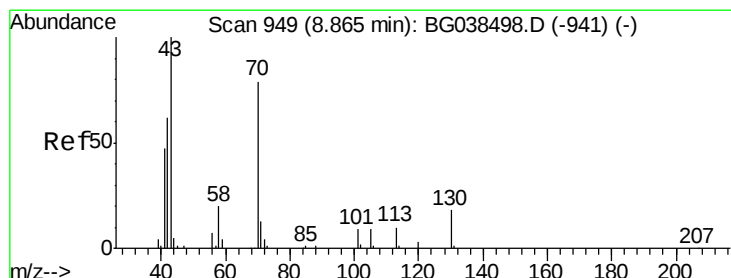
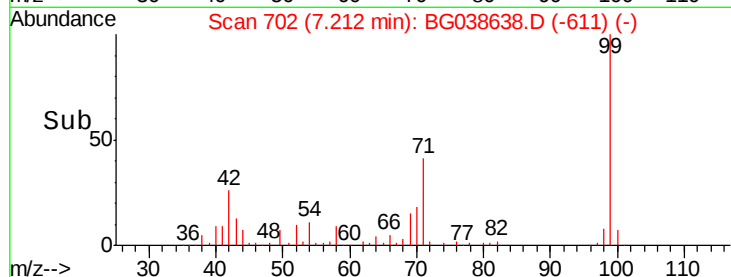
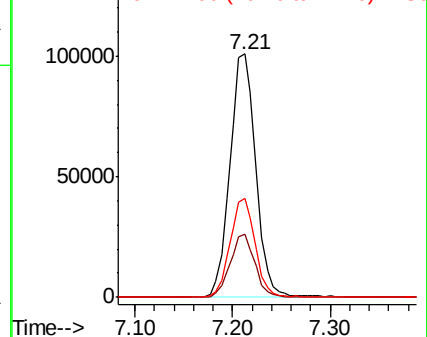
99 100

42 26.1 18.5 27.7

71 40.6 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: 13.237 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038638.D

Acq: 16 Dec 2018 13:25

Tgt Ion: 70 Resp: 15971

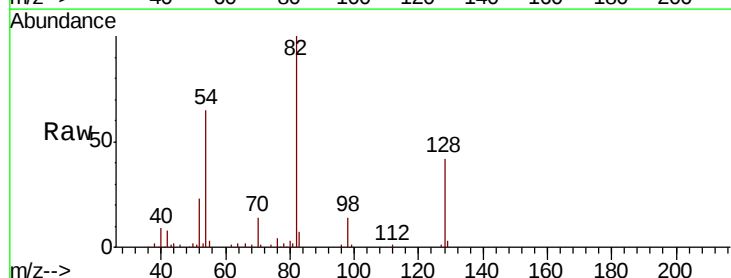
Ion Ratio Lower Upper

70 100

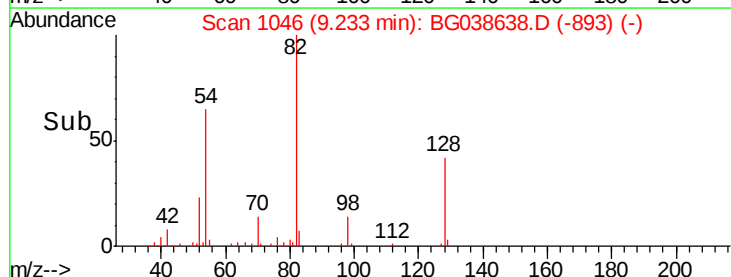
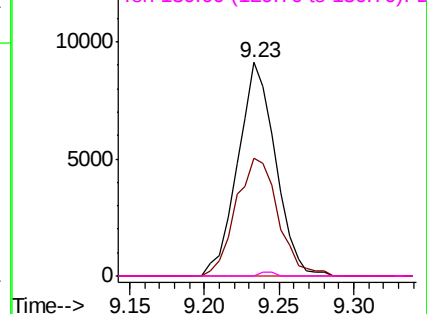
42 55.4 63.6 95.4#

101 0.0 9.2 13.8#

130 0.0 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

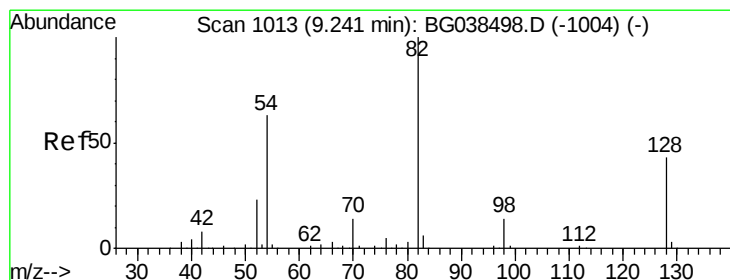
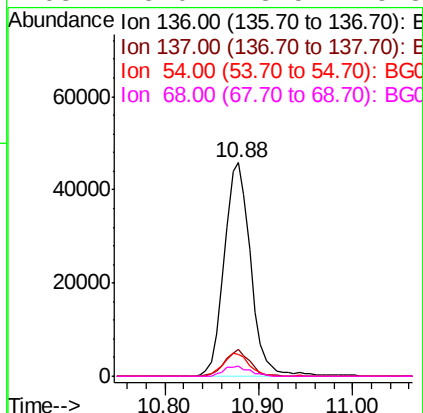
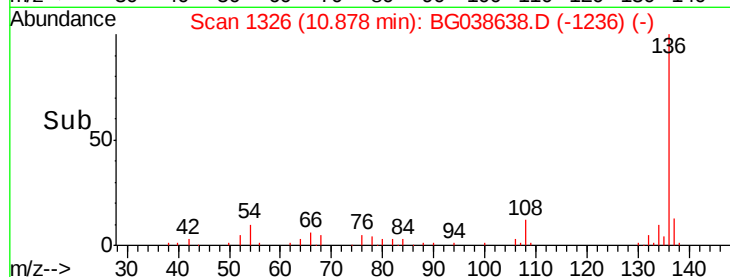
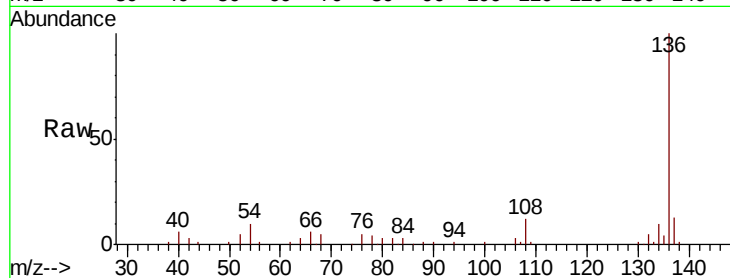




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG038638.D
Acq: 16 Dec 2018 13:25

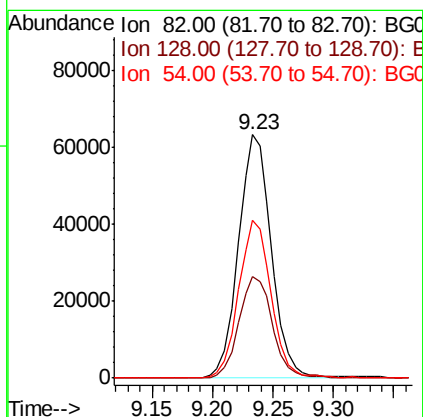
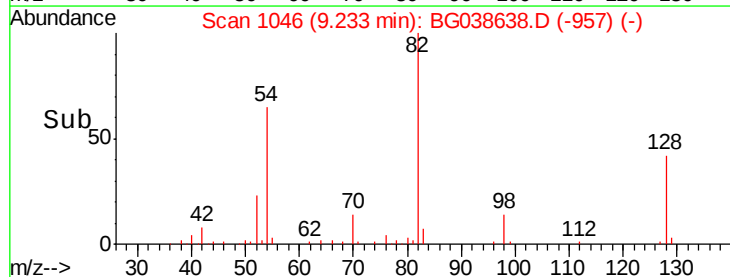
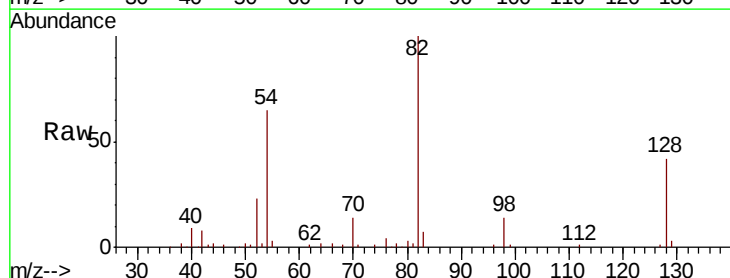
Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	89631
Ion	Ratio	Lower Upper
136	100	
137	12.8	9.3 13.9
54	10.3	8.5 12.7
68	5.0	3.5 5.3



#23
Nitrobenzene-d5
Concen: 68.434 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038638.D
Acq: 16 Dec 2018 13:25

Tgt Ion: 82	Resp:	120065
Ion	Ratio	Lower Upper
82	100	
128	41.8	34.6 52.0
54	64.6	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: BG038638.D

Acq: 16 Dec 2018 13:25

Instrument :

BNA_G

ClientSampled :

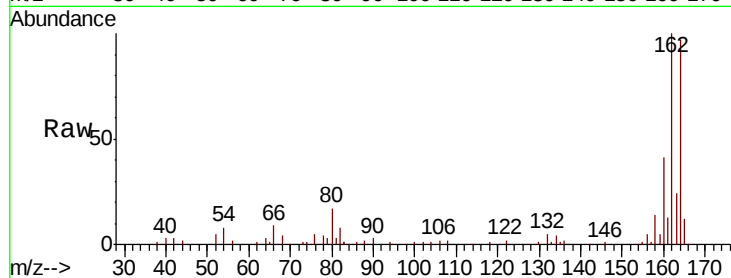
Tot Ion:164 Resp: 60509

Ion Ratio Lower Upper

164 100

162 103.2 86.6 130.0

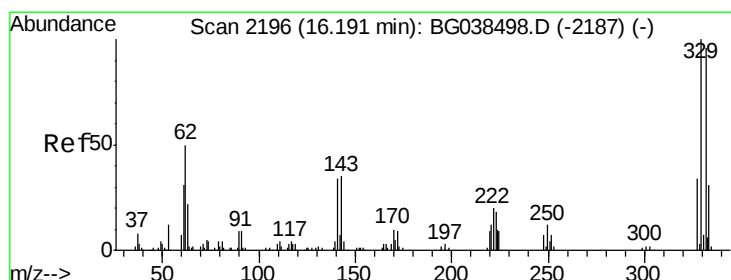
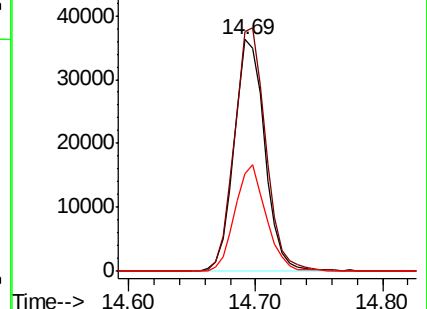
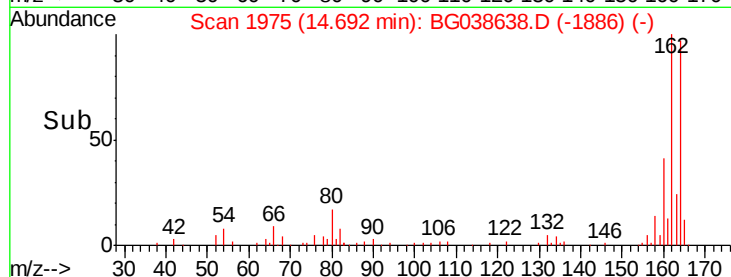
160 42.1 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 99.438 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038638.D

Acq: 16 Dec 2018 13:25

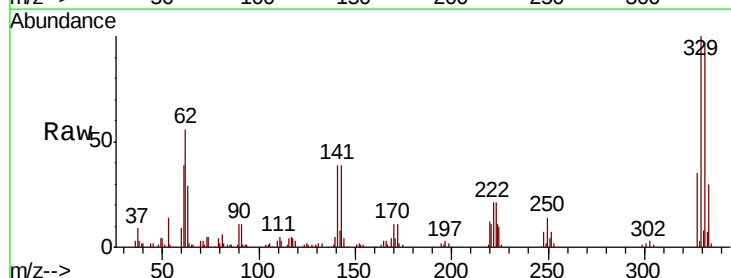
Tgt Ion:330 Resp: 82924

Ion Ratio Lower Upper

330 100

332 94.2 76.9 115.3

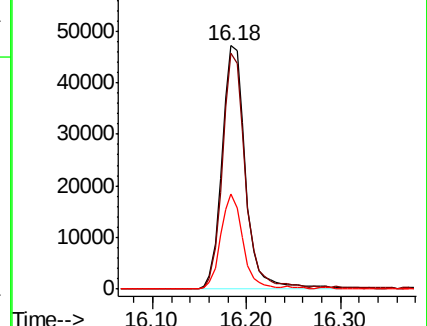
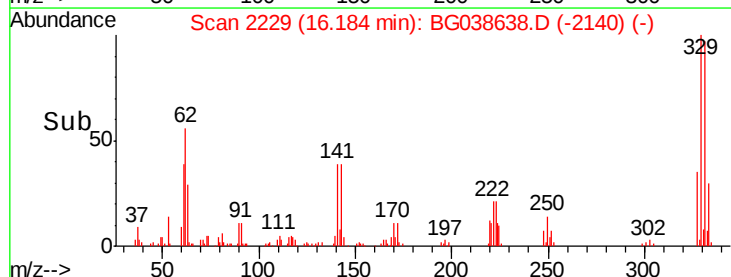
141 36.6 28.8 43.2

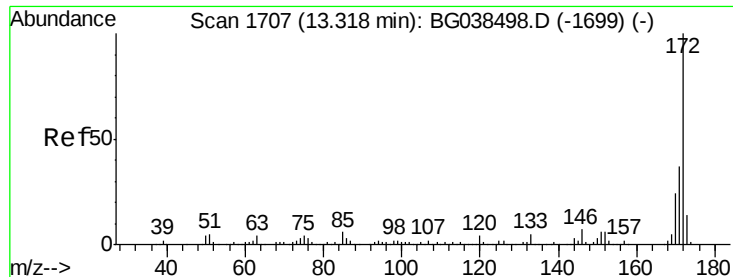


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

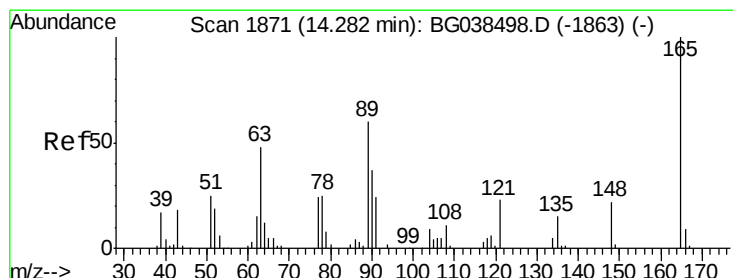
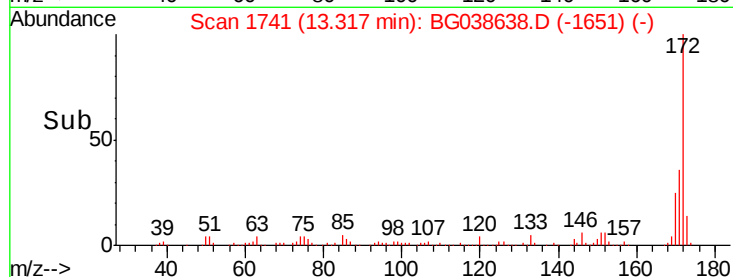
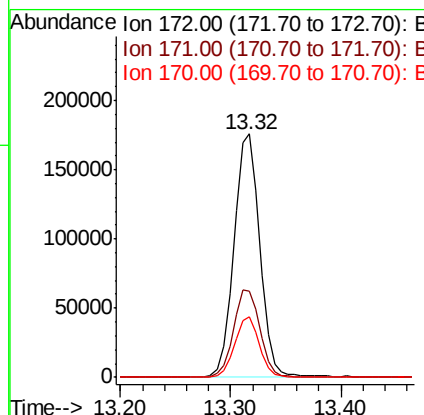
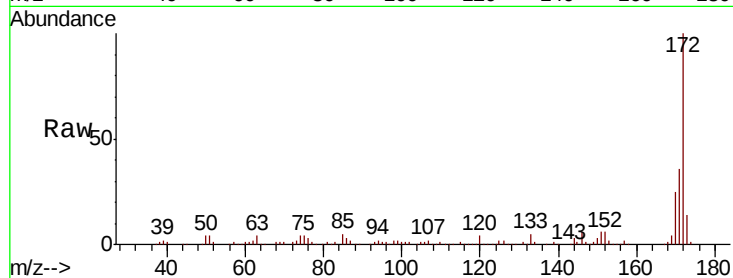




#45
 2-Fluorobiphenyl
 Concen: 65.738 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG038638.D
 Acq: 16 Dec 2018 13:25

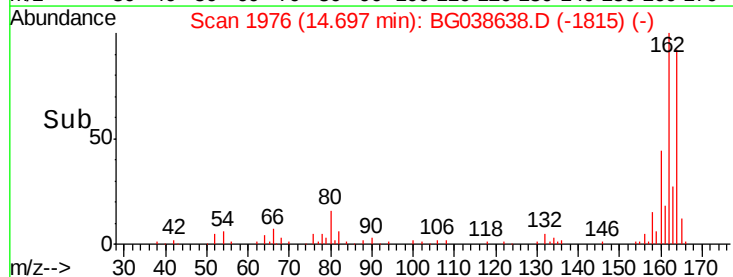
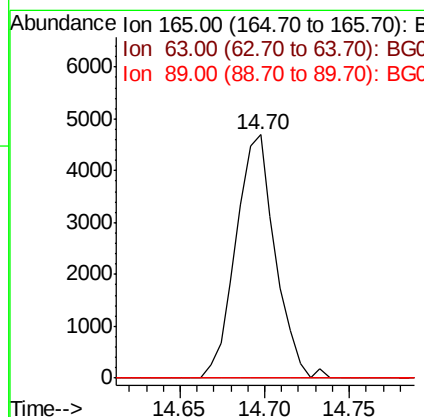
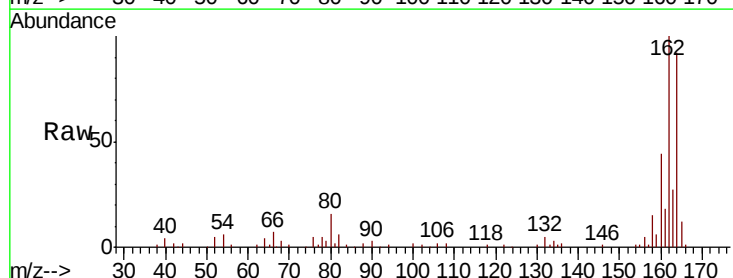
Instrument :
 BNA_G
 ClientSampleId :

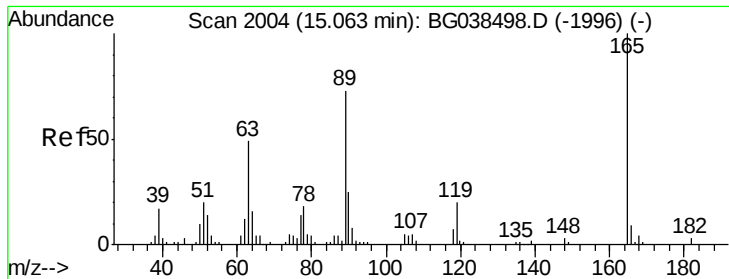
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.8	44.6
170	25.0	19.5	29.3



#51
 2,6-Dinitrotoluene
 Concen: 6.777 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. 0.42 min
 Lab File: BG038638.D
 Acq: 16 Dec 2018 13:25

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

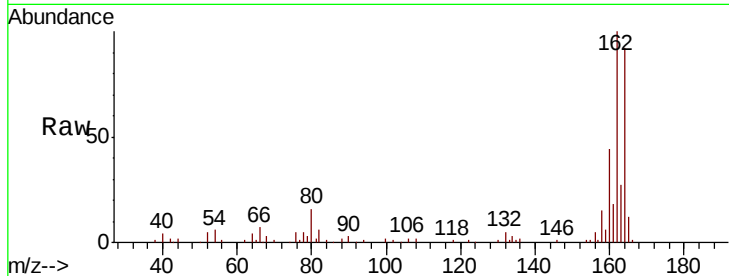




#57
 2,4-Dinitrotoluene
 Concen: 4.812 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.37 min
 Lab File: BG038638.D
 Acq: 16 Dec 2018 13:25

Instrument :
 BNA_G
 ClientSampleId :

Tot 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#

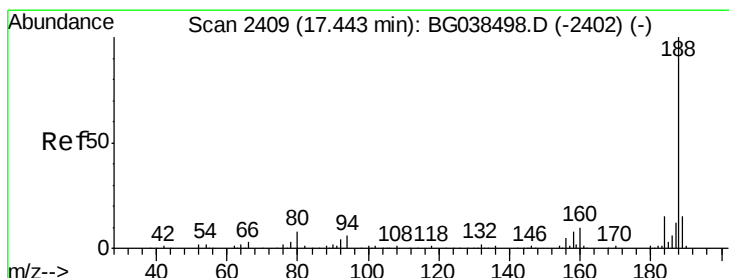
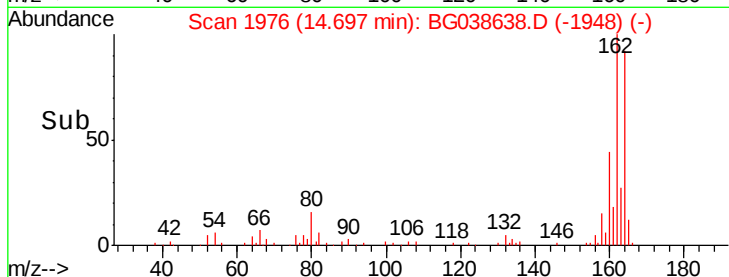
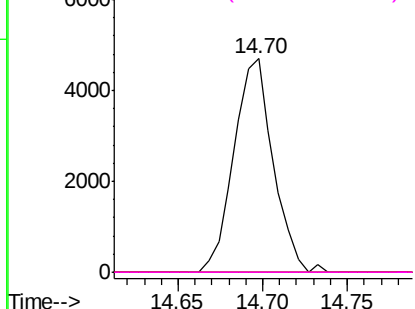


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

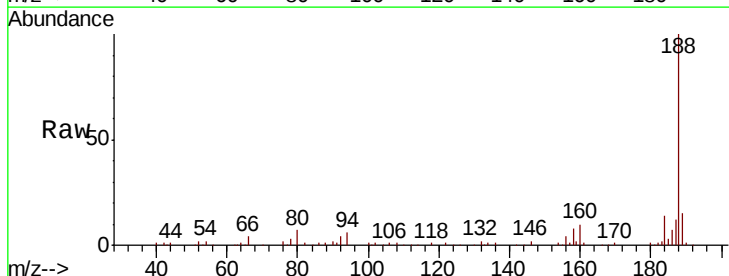
Ion 89.00 (88.70 to 89.70): BGC

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: BG038638.D
 Acq: 16 Dec 2018 13:25

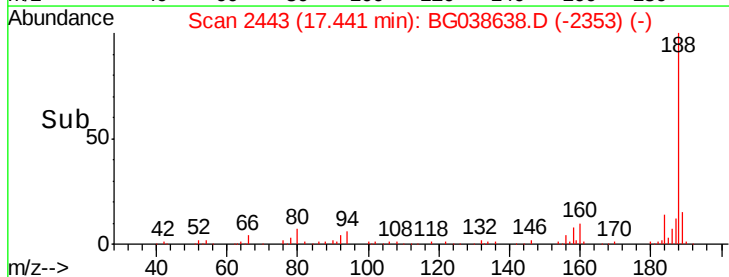
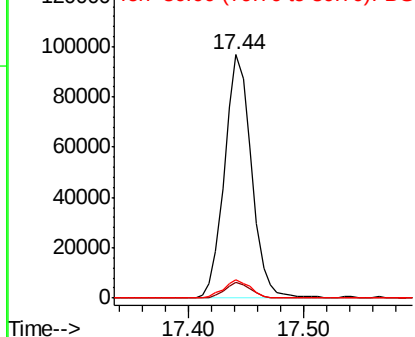
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.2	5.1	7.7
80	7.4	6.1	9.1

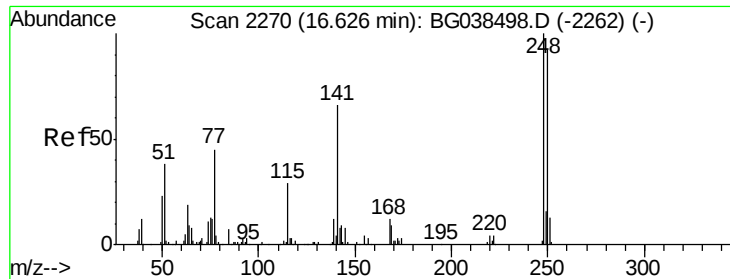


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

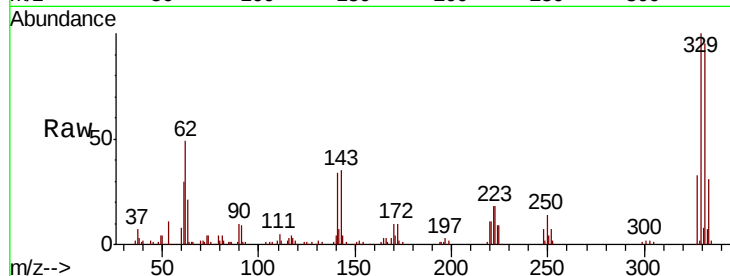




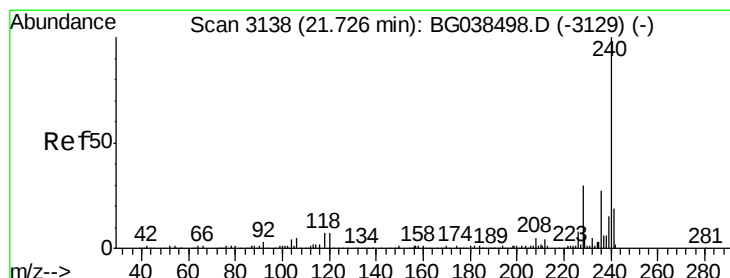
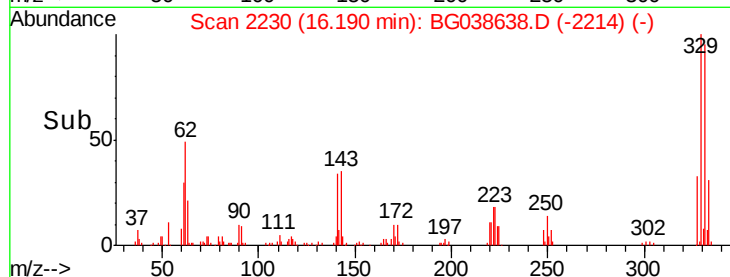
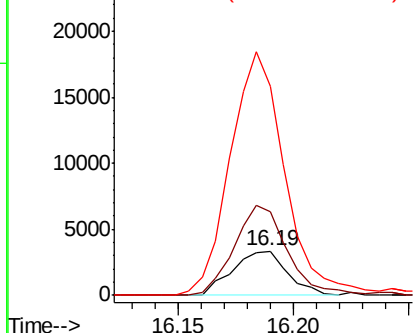
#67
 4-Bromophenyl-phenylether
 Concen: 2.906 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. -0.44 min
 Lab File: BG038638.D
 Acq: 16 Dec 2018 13:25

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 5549
 Ion Ratio Lower Upper
 248 100
 250 187.3 73.4 110.2#
 141 369.7 52.9 79.3#

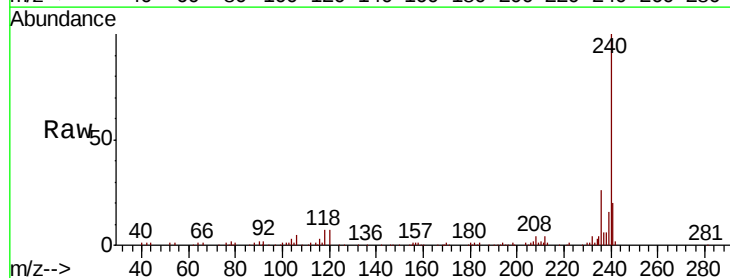


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

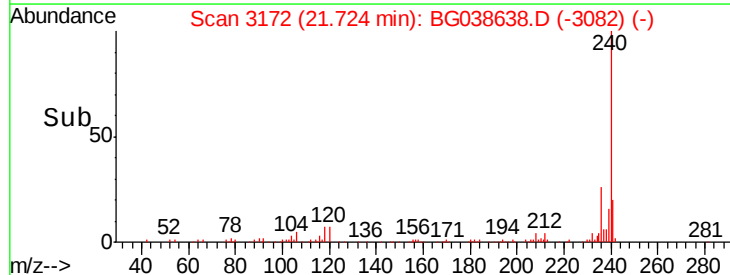
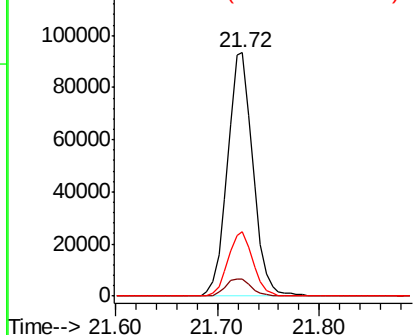


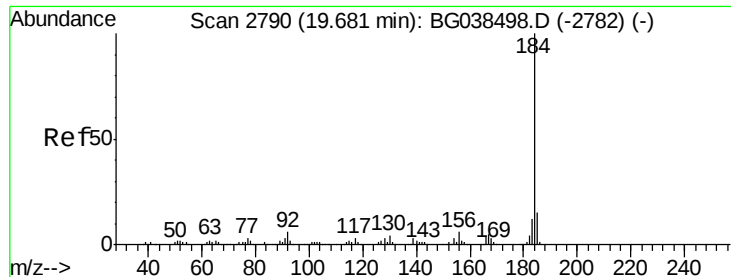
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3172
 Delta R.T. -0.00 min
 Lab File: BG038638.D
 Acq: 16 Dec 2018 13:25

Tgt Ion:240 Resp: 163226
 Ion Ratio Lower Upper
 240 100
 120 7.1 5.3 7.9
 236 26.5 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: 2.042 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038638.D

Acq: 16 Dec 2018 13:25

Instrument :

BNA_G

ClientSampled :

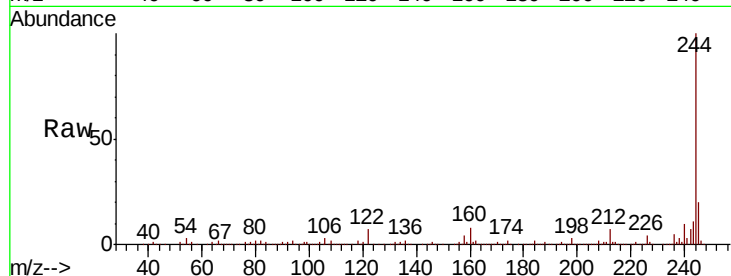
Tot Ion:184 Resp: 9859

Ion Ratio Lower Upper

184 100

185 19.4 12.2 18.2#

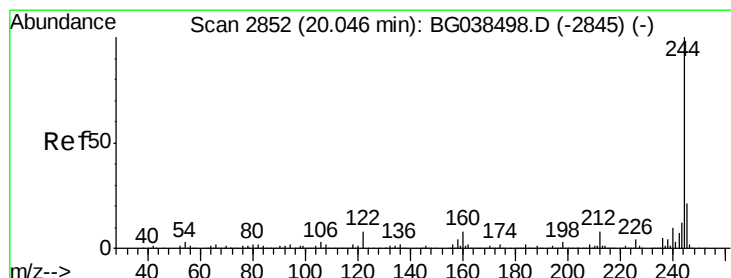
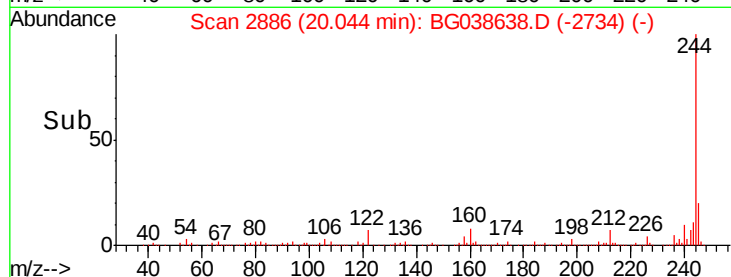
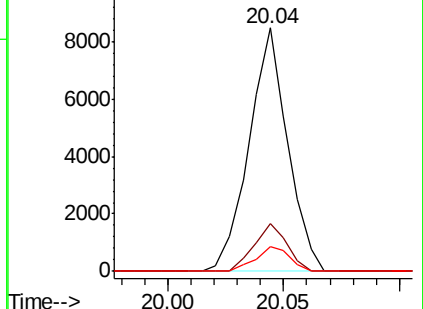
183 10.2 9.6 14.4



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: 75.874 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038638.D

Acq: 16 Dec 2018 13:25

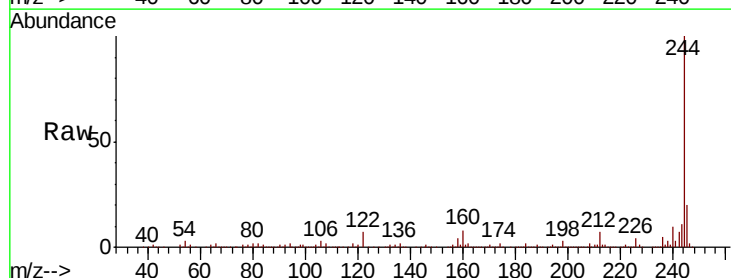
Tgt Ion:244 Resp: 569058

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

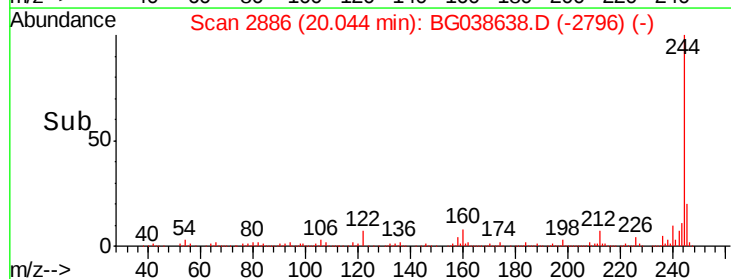
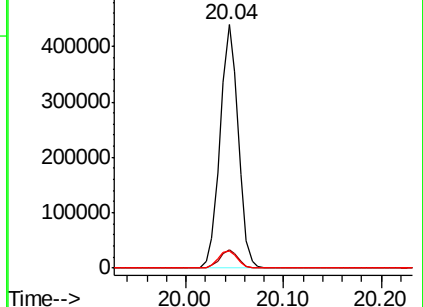
122 7.2 6.3 9.5

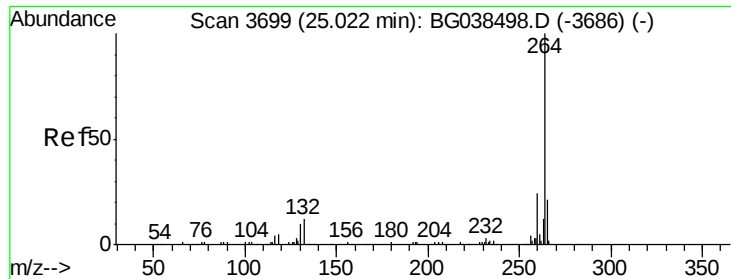


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

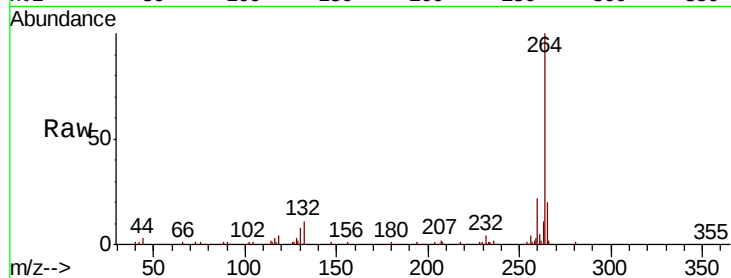




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.01 min Scan# 3732
 Delta R.T. -0.01 min
 Lab File: BG038638.D
 Acq: 16 Dec 2018 13:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.5	18.9	28.3
265	19.7	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

