

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112018\
 Data File : BG038087.D
 Acq On : 20 Nov 2018 16:10
 Operator : JU/SJ
 Sample : J5993-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 20 17:56:11 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

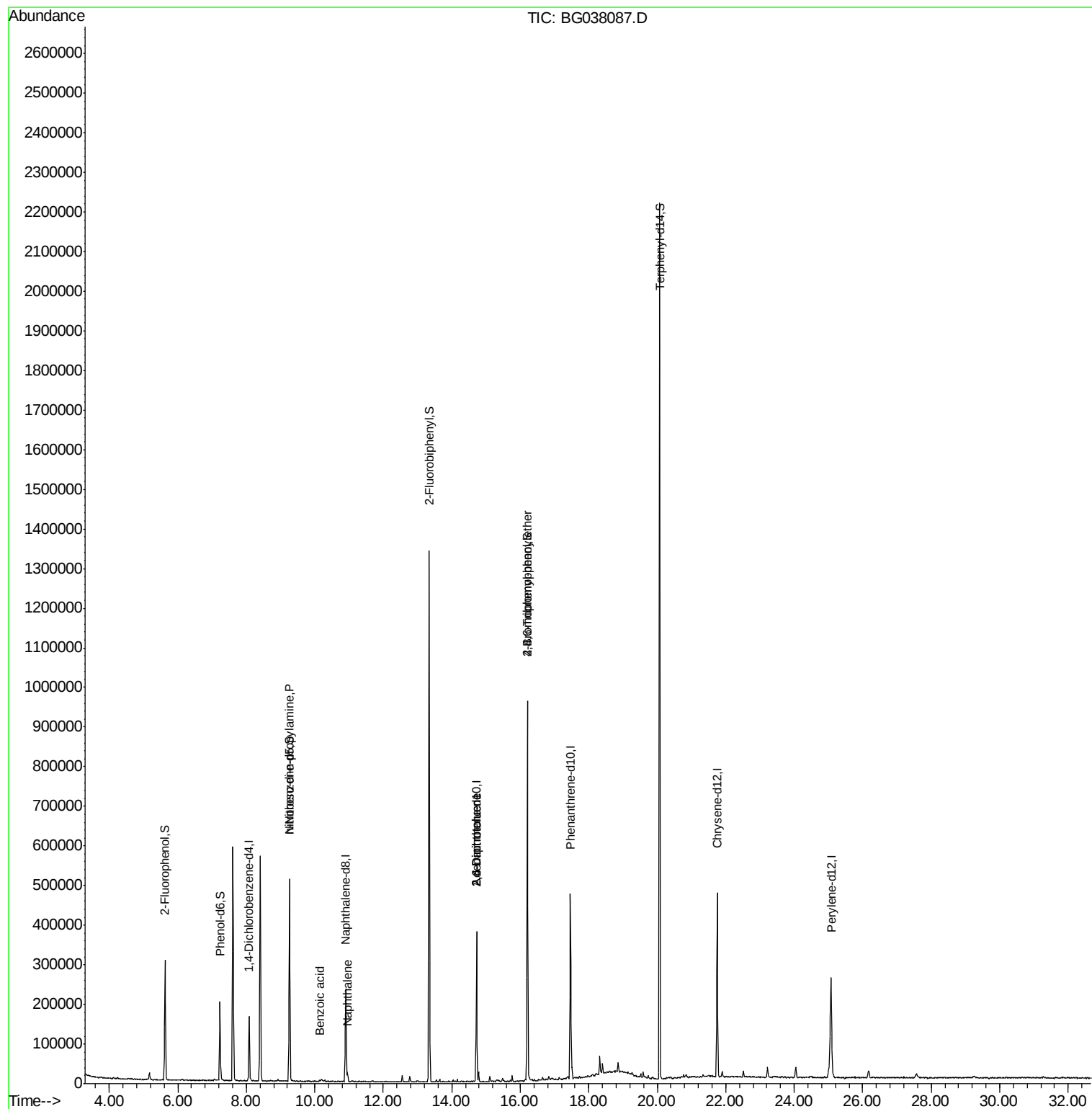
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	48623	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	209653	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	134454	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	291119	20.00	ng	0.00
76) Chrysene-d12	21.75	240	280548	20.00	ng	0.00
87) Perylene-d12	25.07	264	288421	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	139911	49.68	ng	0.00
7) Phenol-d6	7.23	99	122420	30.45	ng	0.00
23) Nitrobenzene-d5	9.26	82	317289	81.01	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	170419	111.14	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	725931	78.66	ng	0.00
79) Terphenyl-d14	20.07	244	1043867	87.55	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.26	70	40892	14.058	ng	# 75
31) Naphthalene	10.96	128	22287	2.161	ng	# 96
32) Benzoic acid	10.15	122	442	12.502	ng	# 83
51) 2,6-Dinitrotoluene	14.72	165	17485	7.248	ng	# 25
57) 2,4-Dinitrotoluene	14.72	165	17485	5.327	ng	# 25
67) 4-Bromophenyl-phenylether	16.21	248	12676	3.967	ng	# 1

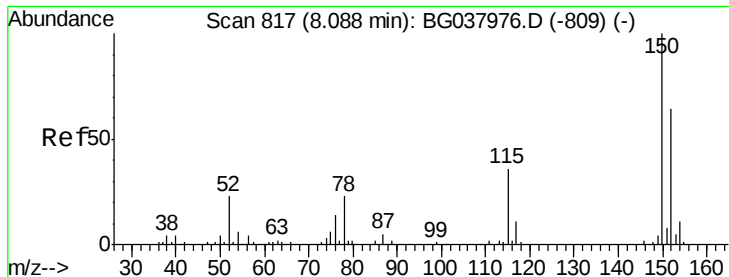
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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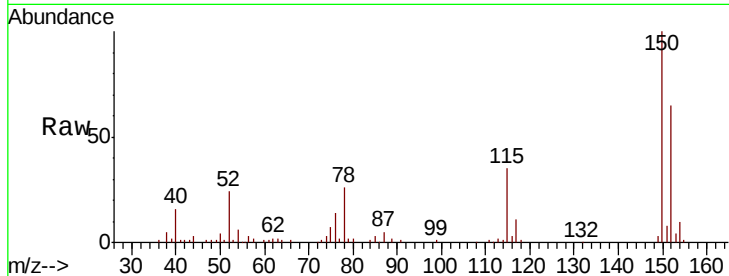


#1

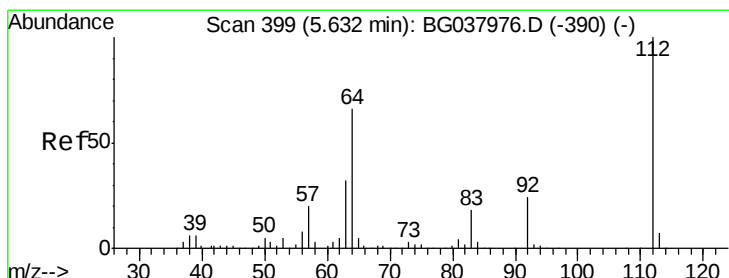
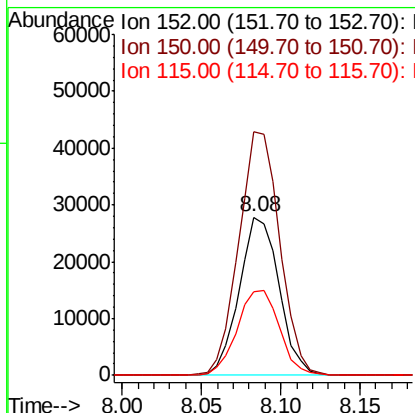
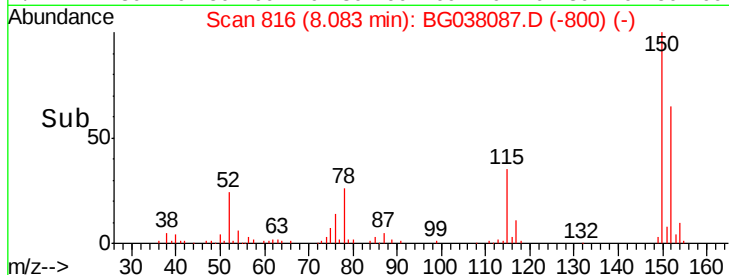
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 816
Delta R.T. -0.01 min
Lab File: BG038087.D
Acq: 20 Nov 2018 16:10

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 48623
Ion Ratio Lower Upper
152 100
150 153.7 126.0 189.0
115 53.2 45.5 68.3



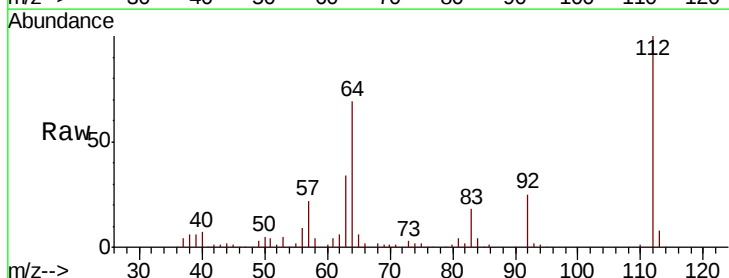
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



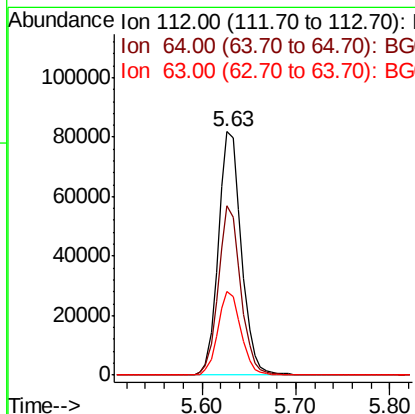
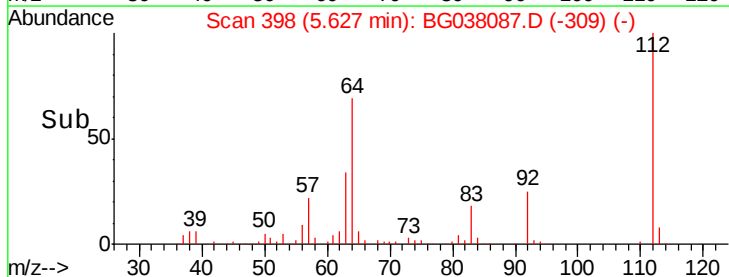
#5

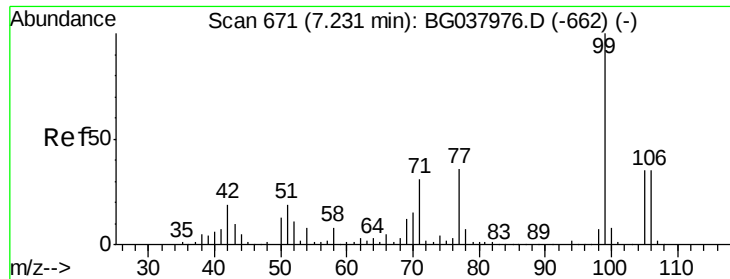
2-Fluorophenol
Concen: 49.681 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.00 min
Lab File: BG038087.D
Acq: 20 Nov 2018 16:10

Tgt Ion:112 Resp: 139911
Ion Ratio Lower Upper
112 100
64 69.4 53.1 79.7
63 34.3 27.3 40.9



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: 30.453 ng

RT: 7.23 min Scan# 671

Delta R.T. 0.00 min

Lab File: BG038087.D

Acq: 20 Nov 2018 16:10

Instrument :

BNA_G

ClientSampled :

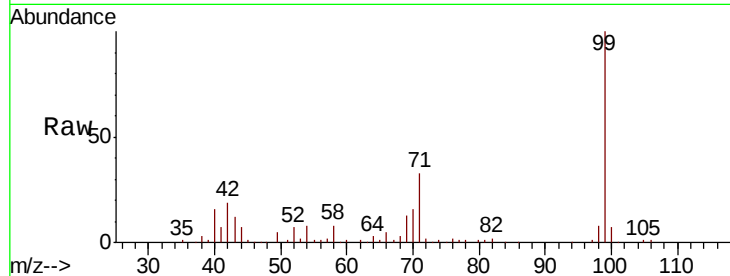
Tot Ion: 99 Resp: 122420

Ion Ratio Lower Upper

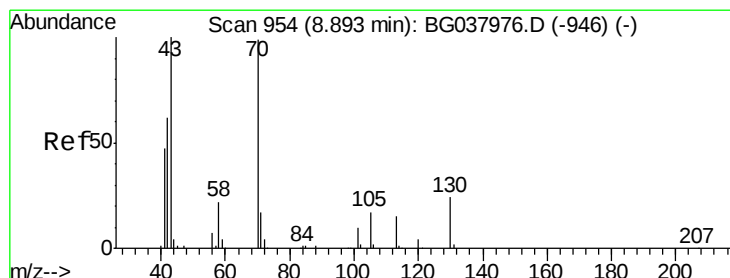
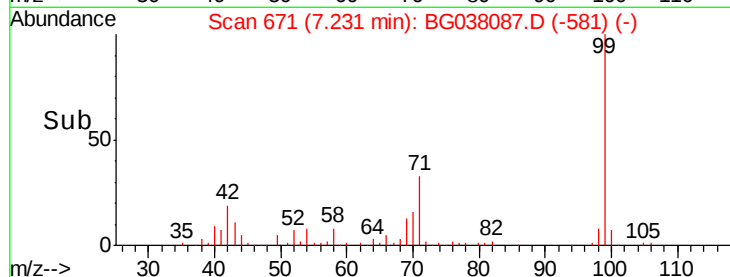
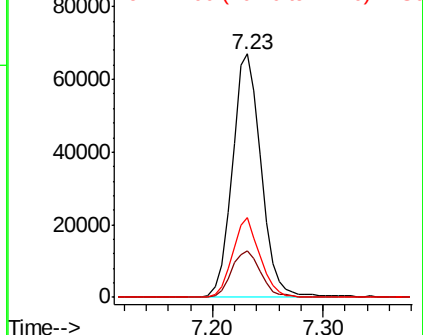
99 100

42 19.2 15.0 22.4

71 32.6 25.5 38.3



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: 14.058 ng

RT: 9.26 min Scan# 1017

Delta R.T. 0.37 min

Lab File: BG038087.D

Acq: 20 Nov 2018 16:10

Tgt Ion: 70 Resp: 40892

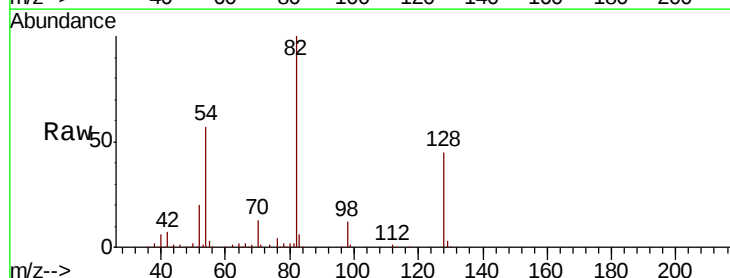
Ion Ratio Lower Upper

70 100

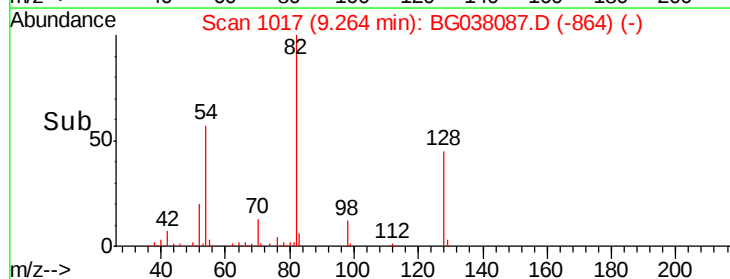
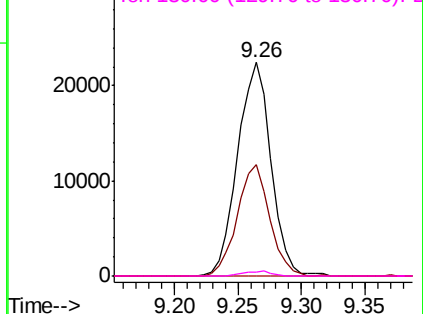
42 52.4 53.9 80.9#

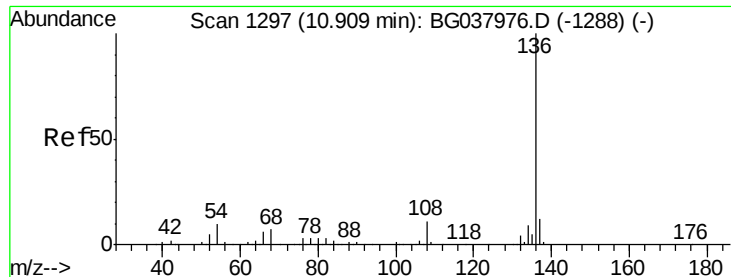
101 0.0 8.2 12.2#

130 2.0 18.2 27.4#



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: 10.90 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BG038087.D

Acq: 20 Nov 2018 16:10

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 209653

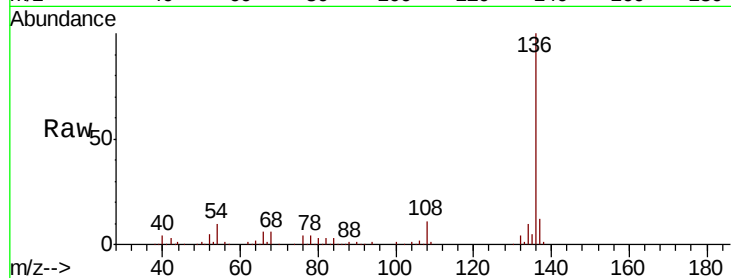
Ion Ratio Lower Upper

136 100

137 11.5 9.6 14.4

54 10.0 7.9 11.9

68 5.8 4.8 7.2

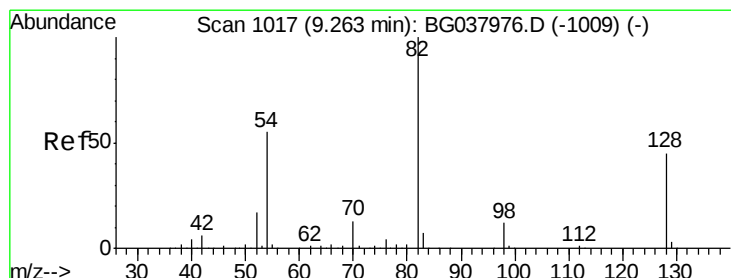
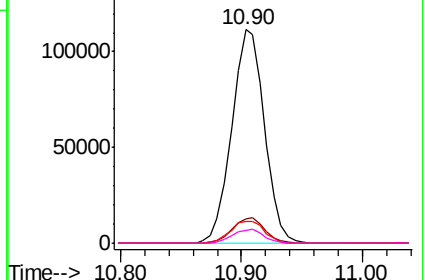
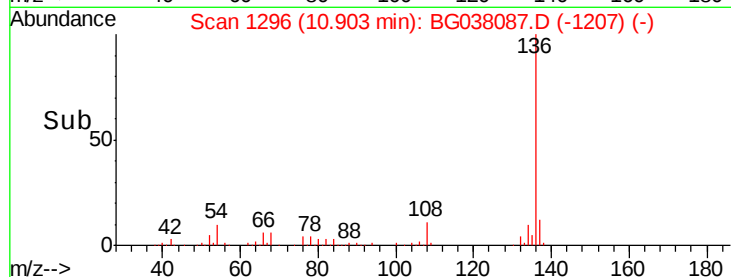


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 81.013 ng

RT: 9.26 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BG038087.D

Acq: 20 Nov 2018 16:10

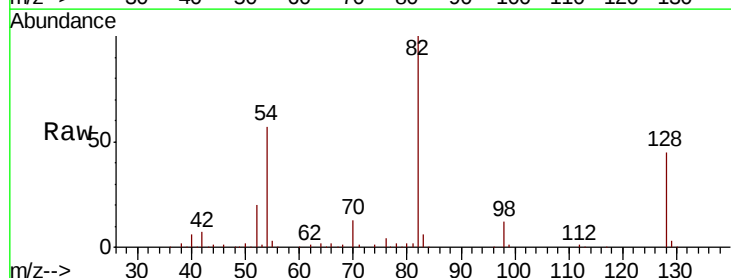
Tgt Ion: 82 Resp: 317289

Ion Ratio Lower Upper

82 100

128 45.1 34.6 51.8

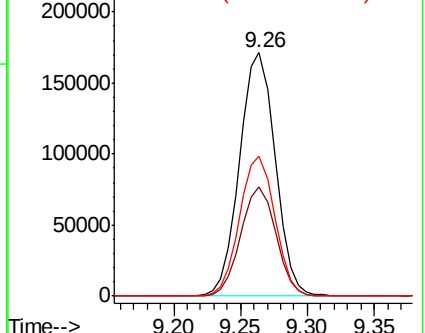
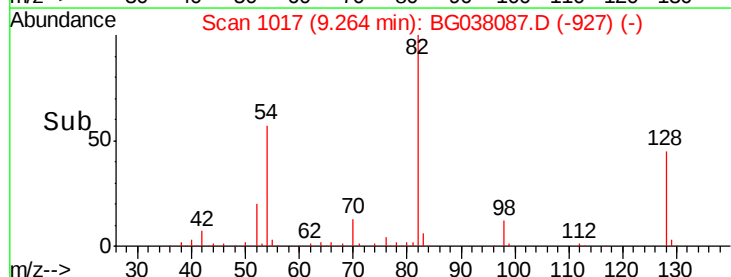
54 57.3 45.3 67.9

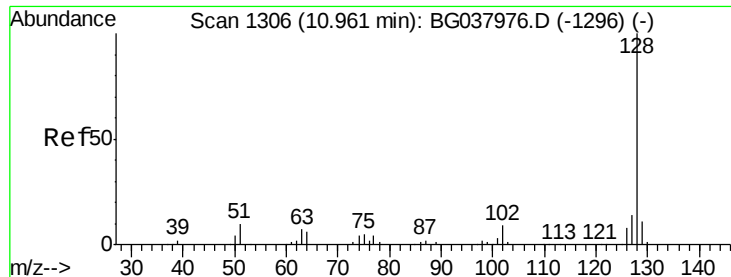


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

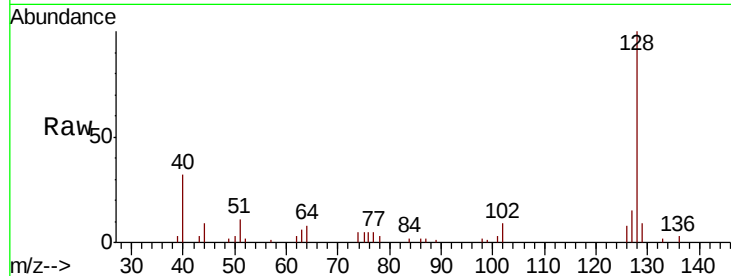




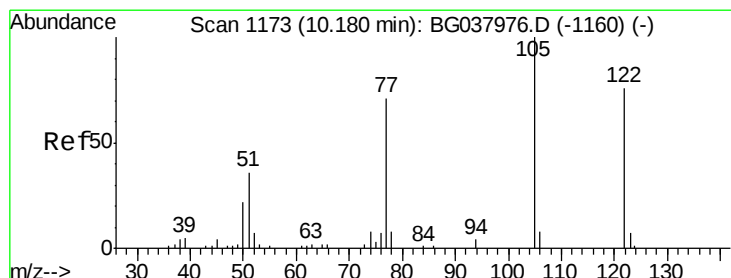
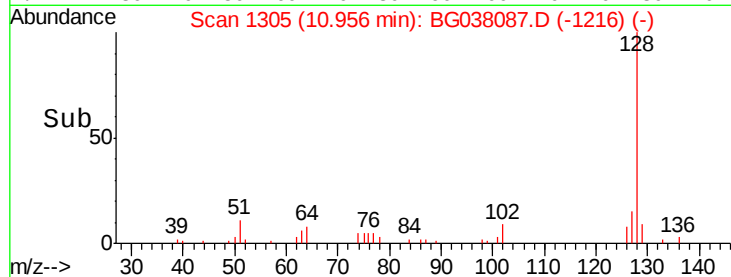
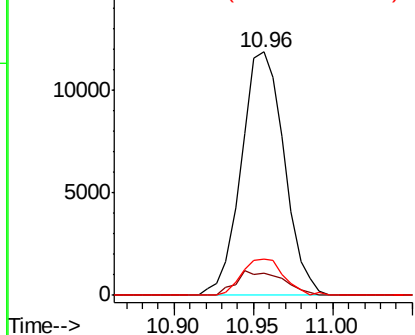
#31
Naphthalene
Concen: 2.161 ng
RT: 10.96 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BG038087.D
Acq: 20 Nov 2018 16:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 22287
Ion Ratio Lower Upper
128 100
129 9.0 9.0 13.6#
127 15.0 11.1 16.7

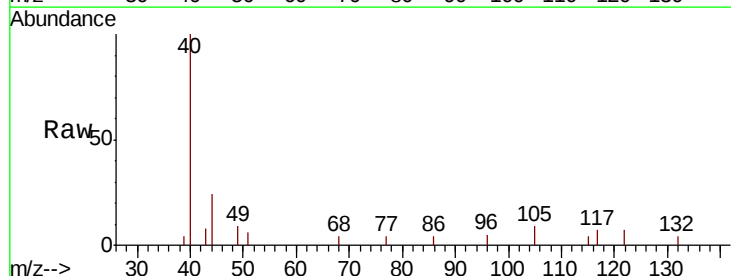


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

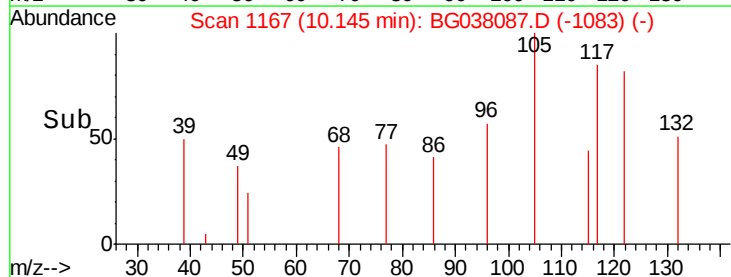
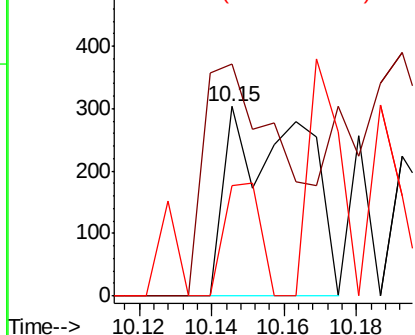


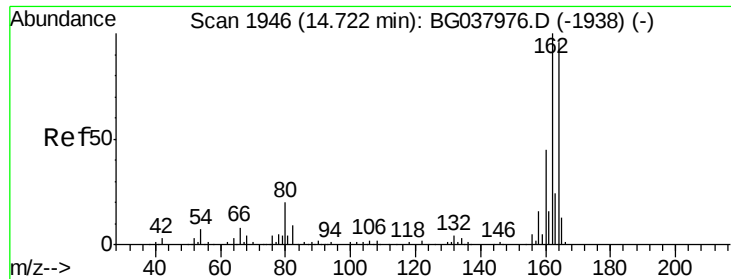
#32
Benzoic acid
Concen: 12.502 ng
RT: 10.15 min Scan# 1167
Delta R.T. -0.03 min
Lab File: BG038087.D
Acq: 20 Nov 2018 16:10

Tgt Ion:122 Resp: 442
Ion Ratio Lower Upper
122 100
105 122.4 106.7 146.7
77 58.1 72.2 112.2#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BG

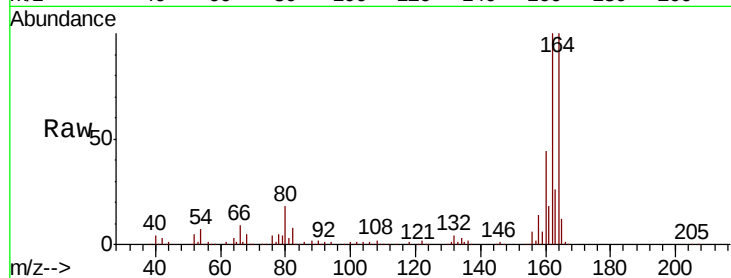




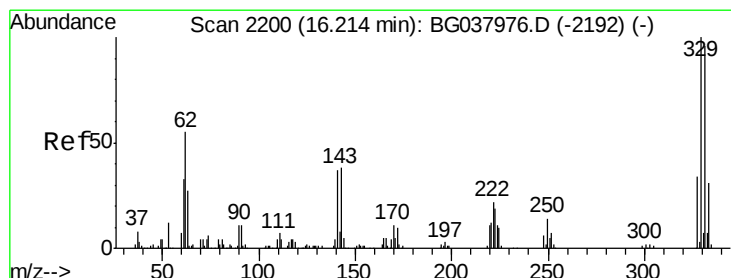
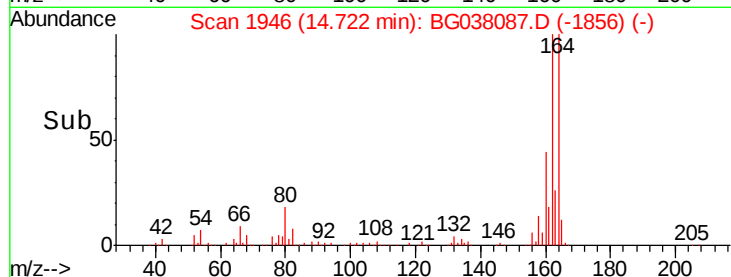
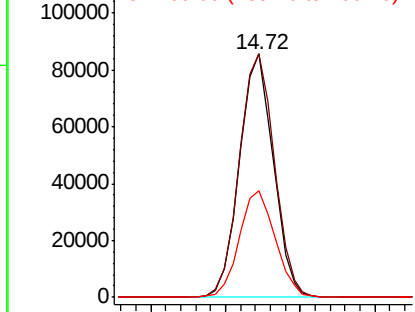
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1946
Delta R.T. 0.00 min
Lab File: BG038087.D
Acq: 20 Nov 2018 16:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 134454
Ion Ratio Lower Upper
164 100
162 100.0 81.3 121.9
160 43.9 36.3 54.5

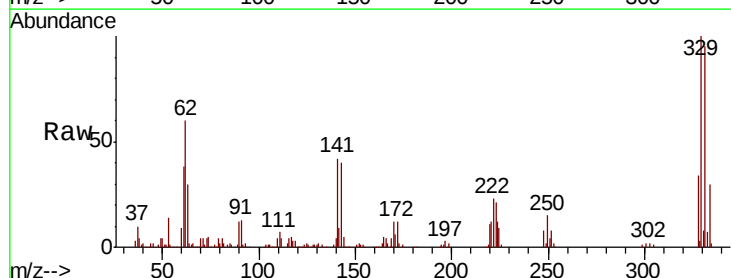


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

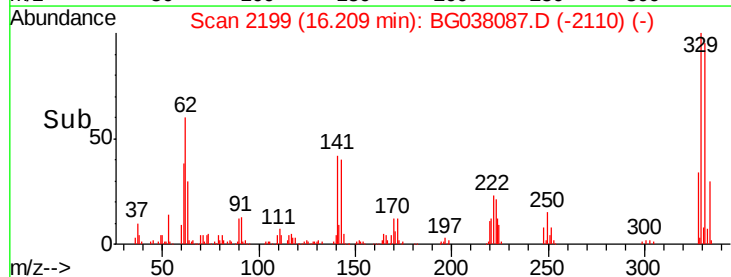
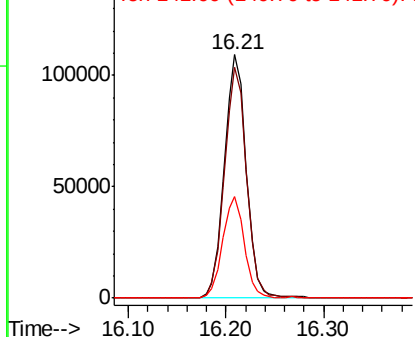


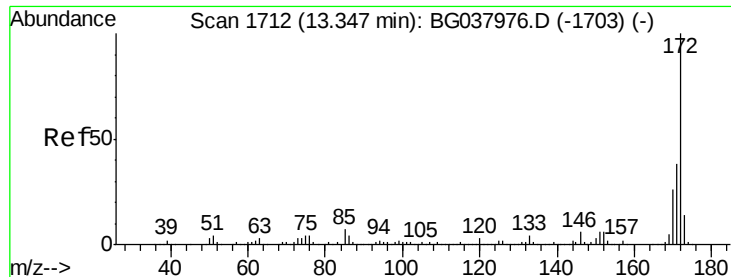
#42
2,4,6-Tribromophenol
Concen: 111.137 ng
RT: 16.21 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BG038087.D
Acq: 20 Nov 2018 16:10

Tgt Ion:330 Resp: 170419
Ion Ratio Lower Upper
330 100
332 95.2 78.4 117.6
141 41.6 32.2 48.2



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

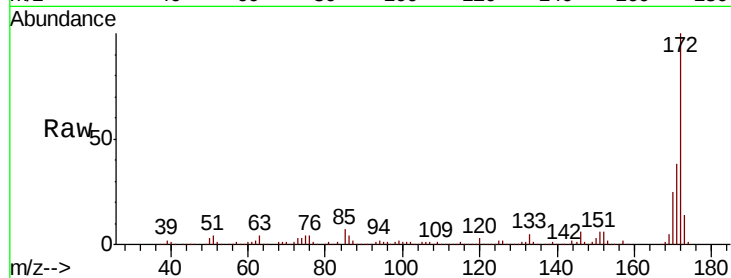




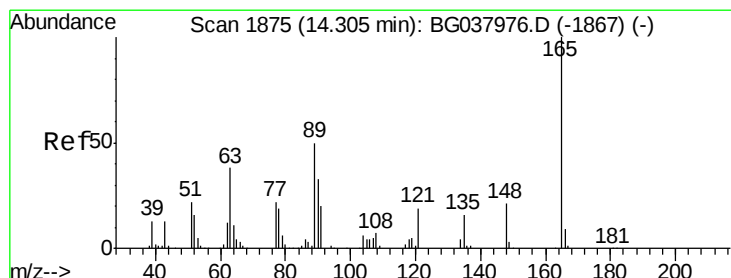
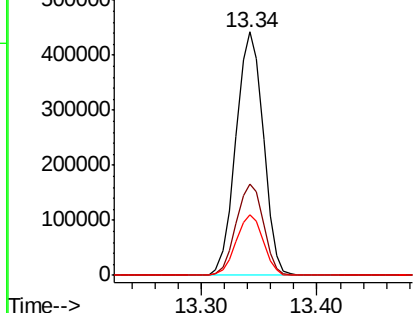
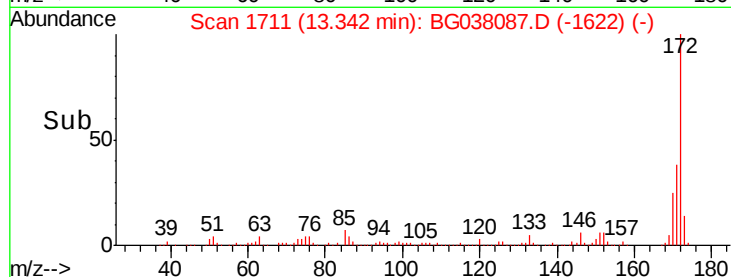
#45
2-Fluorobiphenyl
Concen: 78.657 ng
RT: 13.34 min Scan# 1711
Delta R.T. -0.01 min
Lab File: BG038087.D
Acq: 20 Nov 2018 16:10

Instrument :
BNA_G
ClientSampled :

Tot Ion:172 Resp: 725931
Ion Ratio Lower Upper
172 100
171 37.7 31.0 46.4
170 24.9 20.2 30.2

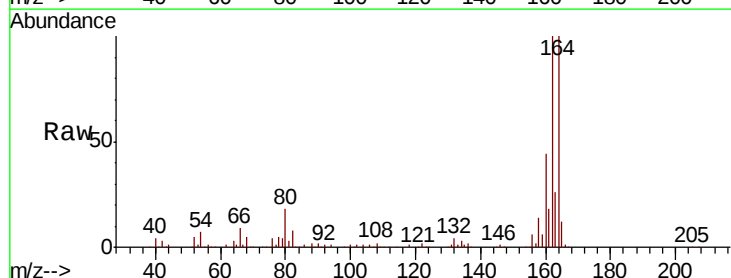


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

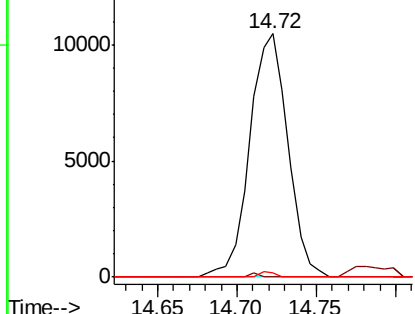
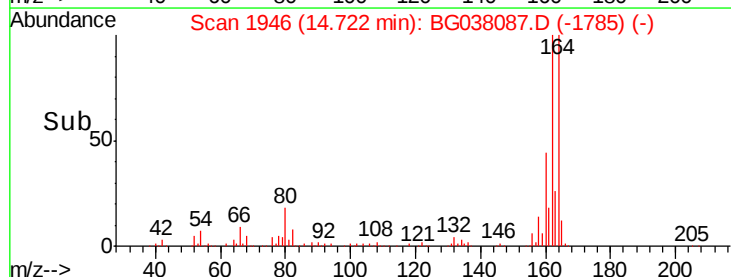


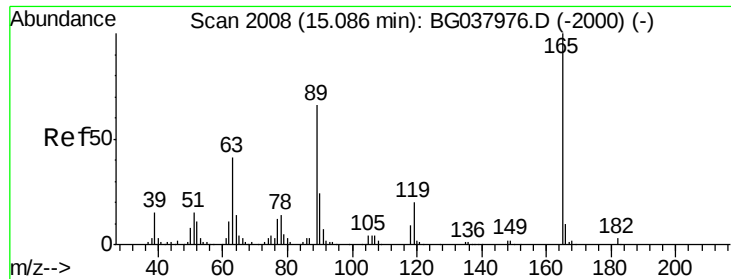
#51
2,6-Dinitrotoluene
Concen: 7.248 ng
RT: 14.72 min Scan# 1946
Delta R.T. 0.42 min
Lab File: BG038087.D
Acq: 20 Nov 2018 16:10

Tgt Ion:165 Resp: 17485
Ion Ratio Lower Upper
165 100
63 0.0 43.4 65.2#
89 1.9 45.8 68.6#



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

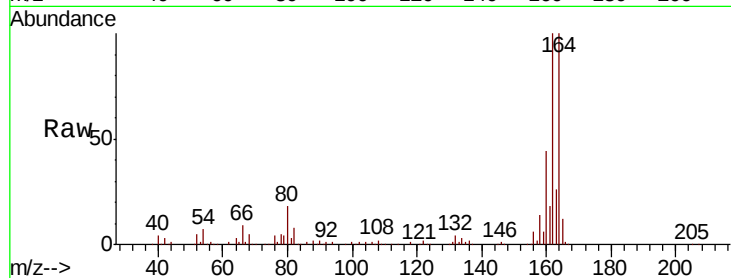




#57
 2,4-Dinitrotoluene
 Concen: 5.327 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. -0.36 min
 Lab File: BG038087.D
 Acq: 20 Nov 2018 16:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	1.9	57.2	85.8#
182	0.0	2.6	4.0#



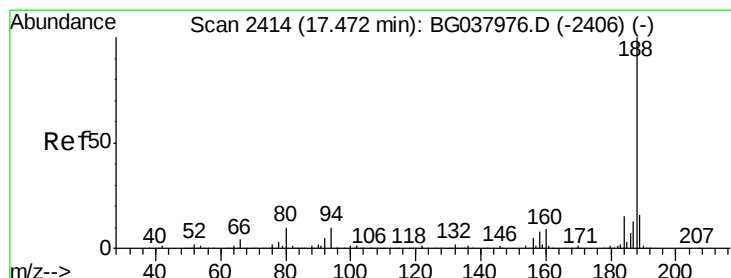
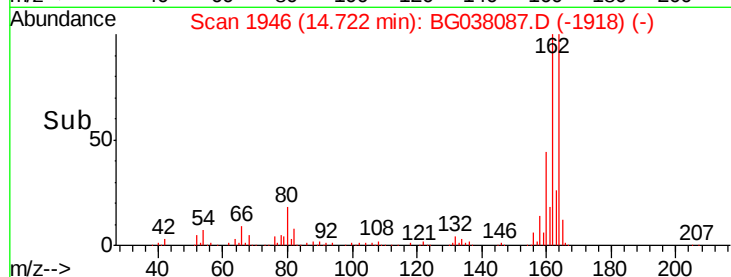
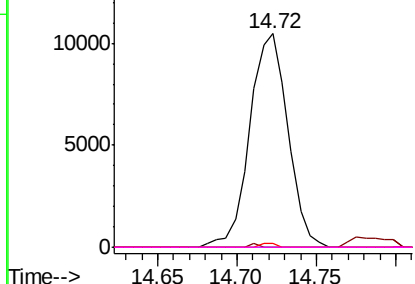
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

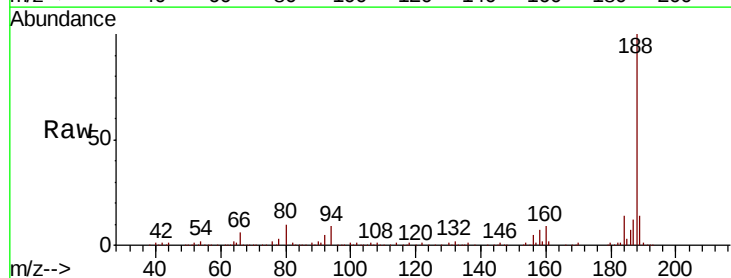
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2413
 Delta R.T. -0.01 min
 Lab File: BG038087.D
 Acq: 20 Nov 2018 16:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.2	10.8
80	9.9	7.7	11.5

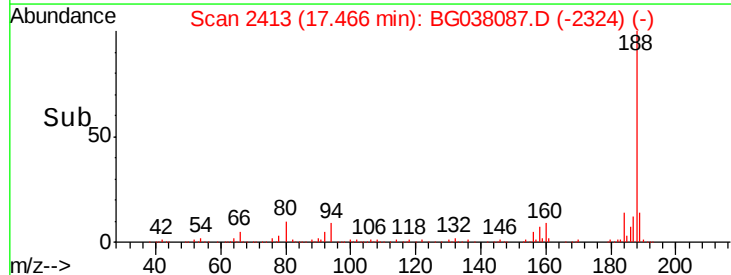
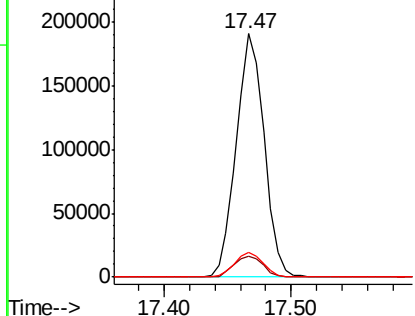


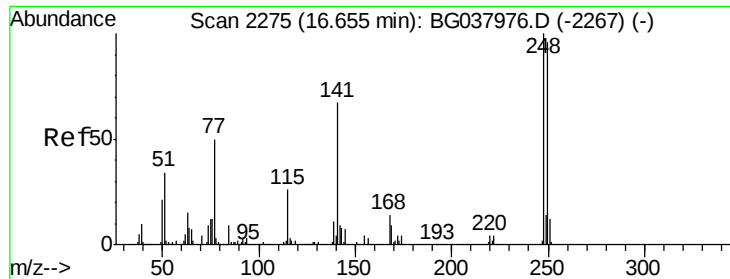
Abundance

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

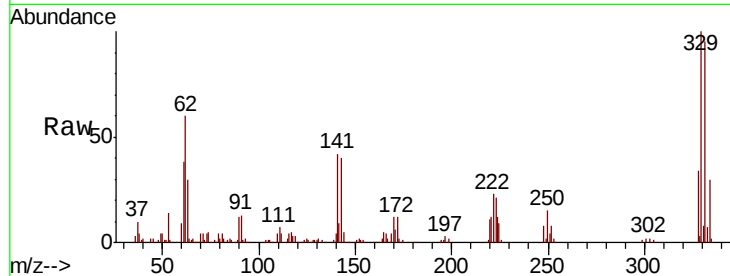




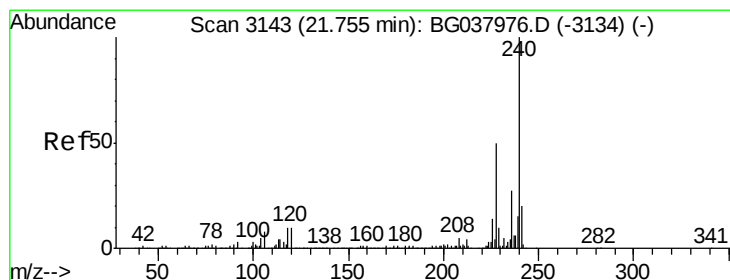
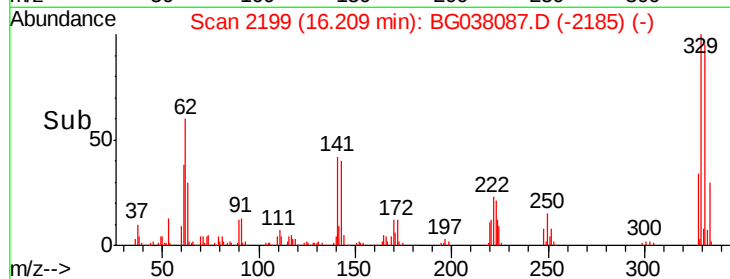
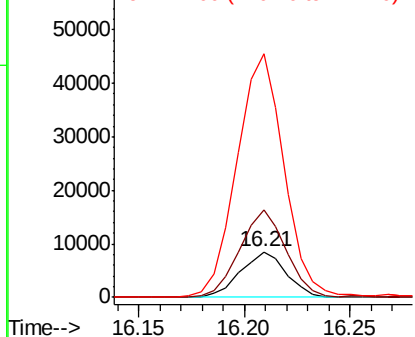
#67
 4-Bromophenyl-phenylether
 Concen: 3.967 ng
 RT: 16.21 min Scan# 2199
 Delta R.T. -0.45 min
 Lab File: BG038087.D
 Acq: 20 Nov 2018 16:10

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 12676
 Ion Ratio Lower Upper
 248 100
 250 191.1 77.0 115.6#
 141 410.7 55.5 83.3#

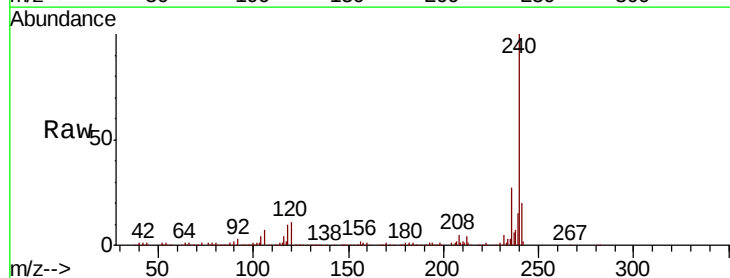


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

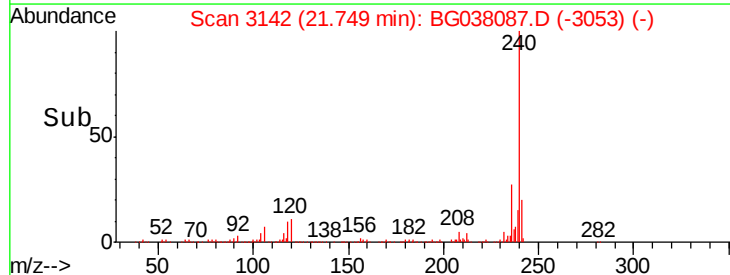
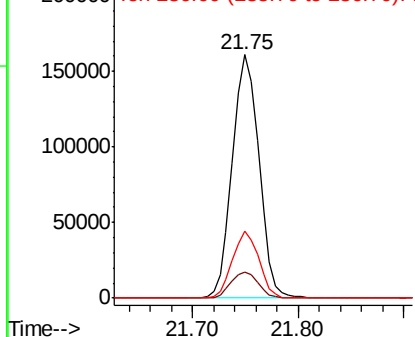


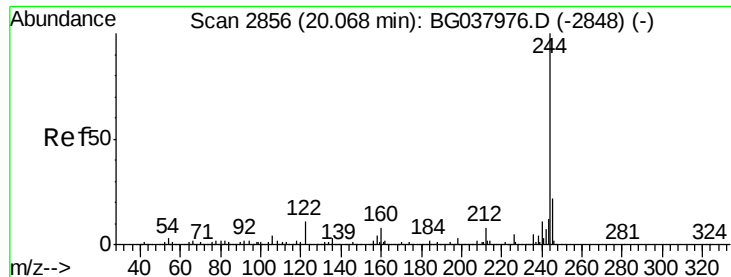
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3142
 Delta R.T. -0.01 min
 Lab File: BG038087.D
 Acq: 20 Nov 2018 16:10

Tgt Ion:240 Resp: 280548
 Ion Ratio Lower Upper
 240 100
 120 10.7 8.1 12.1
 236 27.3 21.4 32.0



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





#79

Terphenyl-d14

Concen: 87.551 ng

RT: 20.07 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG038087.D

Acq: 20 Nov 2018 16:10

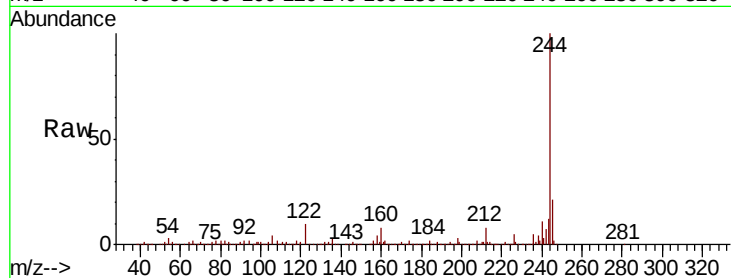
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1043867

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.5	9.7
122	10.5	9.0	13.4

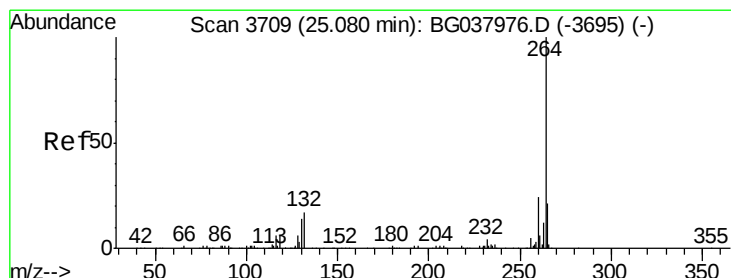
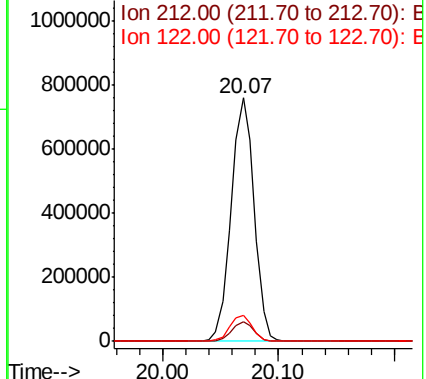
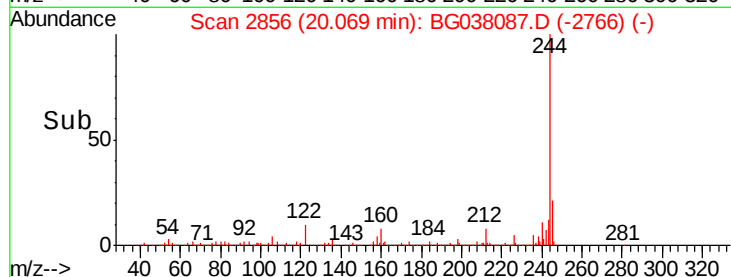


Abundance

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: 25.07 min Scan# 3708

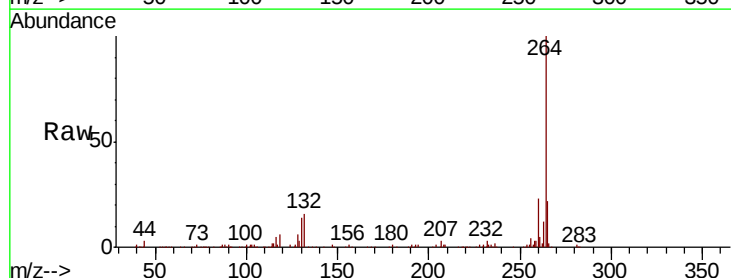
Delta R.T. -0.01 min

Lab File: BG038087.D

Acq: 20 Nov 2018 16:10

Tgt Ion:264 Resp: 288421

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.4
265	21.5	17.9	26.9



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

