

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112718\
 Data File : BG038199.D
 Acq On : 28 Nov 2018 13:39
 Operator : JU/SJ
 Sample : J6070-08
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 28 14:32:36 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

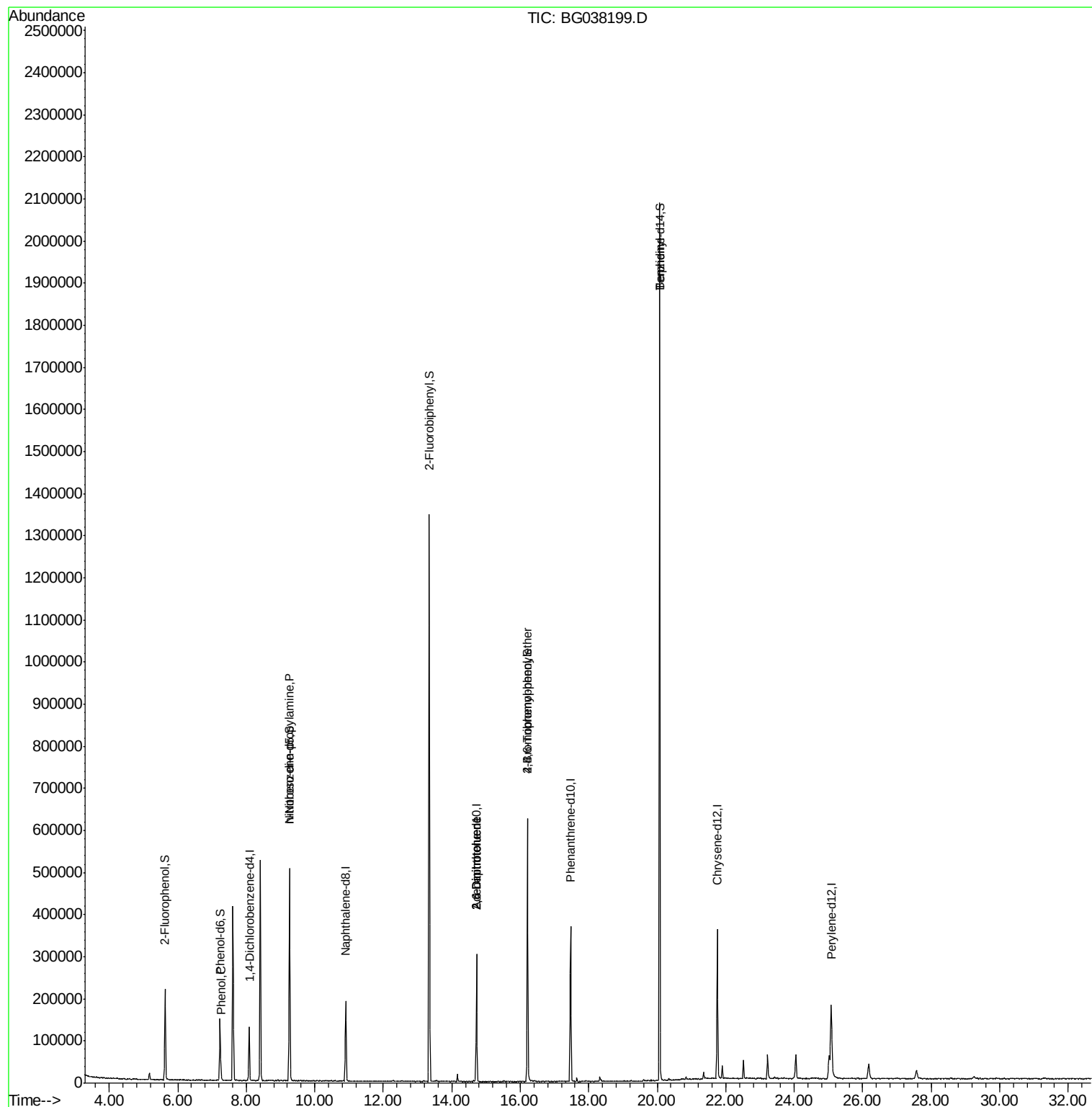
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	38387	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	169792	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	106673	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	244402	20.00	ng	0.00
76) Chrysene-d12	21.75	240	233223	20.00	ng	0.00
87) Perylene-d12	25.07	264	226141	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	99312	44.67	ng	0.00
7) Phenol-d6	7.23	99	87438	27.55	ng	0.00
23) Nitrobenzene-d5	9.26	82	312814	98.62	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	113932	93.65	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	713155	97.40	ng	0.00
79) Terphenyl-d14	20.07	244	1056422	106.58	ng	0.00
Target Compounds						
10) Phenol	7.26	94	15506	4.613	ng	90
19) n-Nitroso-di-n-propylamine	9.26	70	40207	17.509	ng	# 82
51) 2,6-Dinitrotoluene	14.72	165	13811	7.216	ng	# 23
57) 2,4-Dinitrotoluene	14.72	165	13811	5.303	ng	# 23
67) 4-Bromophenyl-phenylether	16.21	248	8202	3.058	ng	# 1
77) Benzidine	20.07	184	18213	2.226	ng	# 92

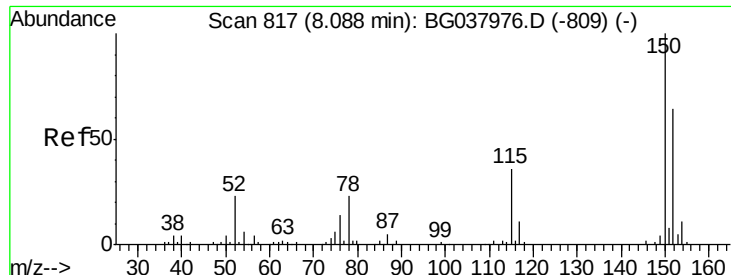
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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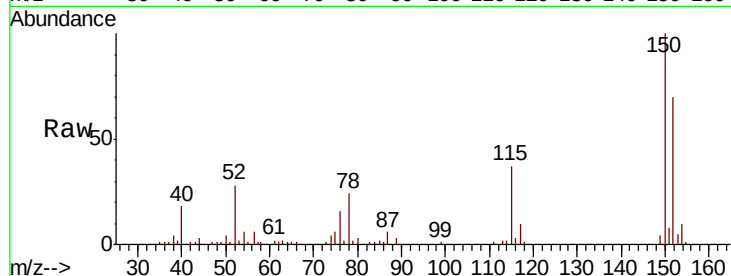


#1

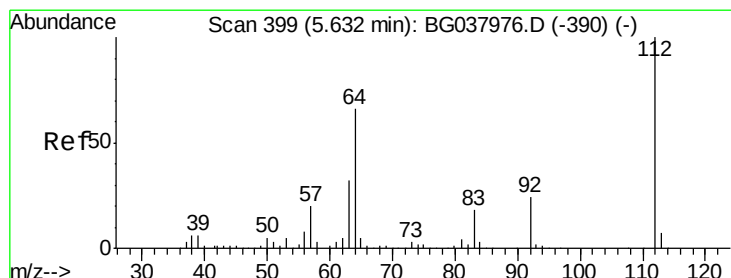
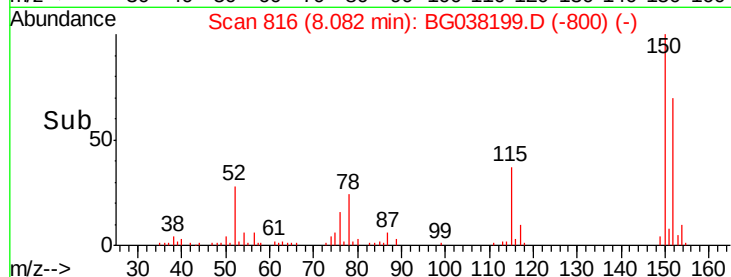
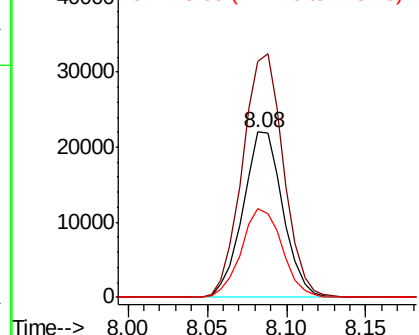
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 816
Delta R.T. -0.01 min
Lab File: BG038199.D
Acq: 28 Nov 2018 13:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 38387
Ion Ratio Lower Upper
152 100
150 143.4 126.0 189.0
115 53.7 45.5 68.3



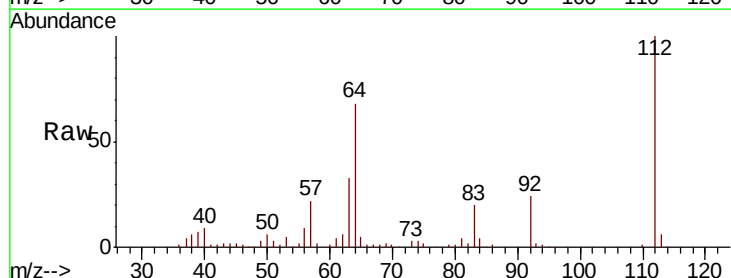
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



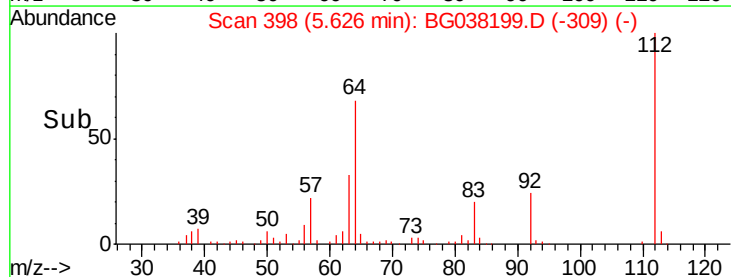
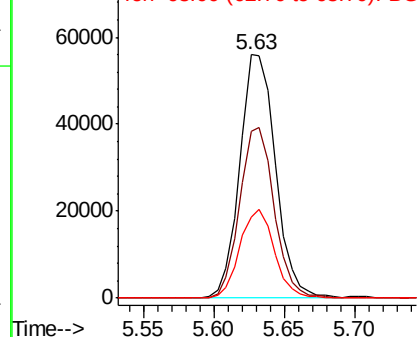
#5

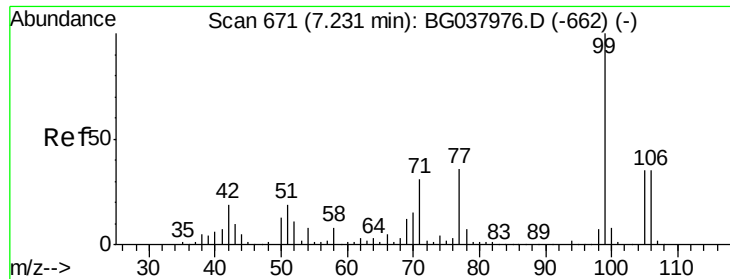
2-Fluorophenol
Concen: 44.668 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.01 min
Lab File: BG038199.D
Acq: 28 Nov 2018 13:39

Tgt Ion:112 Resp: 99312
Ion Ratio Lower Upper
112 100
64 68.4 53.1 79.7
63 33.4 27.3 40.9



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: 27.551 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.00 min

Lab File: BG038199.D

Acq: 28 Nov 2018 13:39

Instrument :

BNA_G

ClientSampleId :

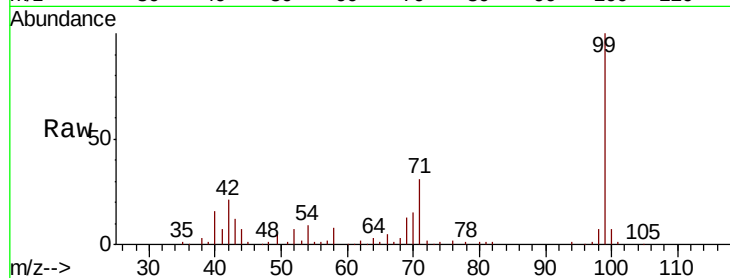
Tot Ion: 99 Resp: 87438

Ion Ratio Lower Upper

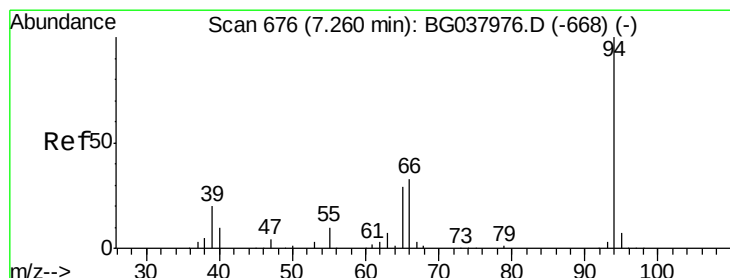
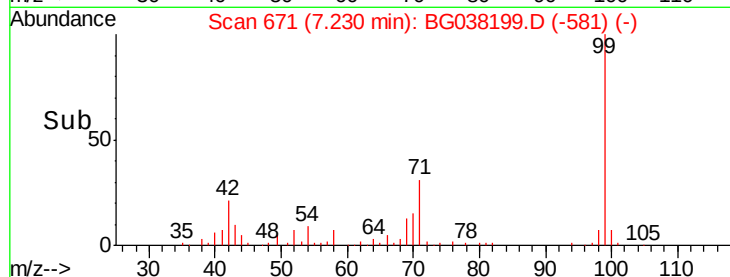
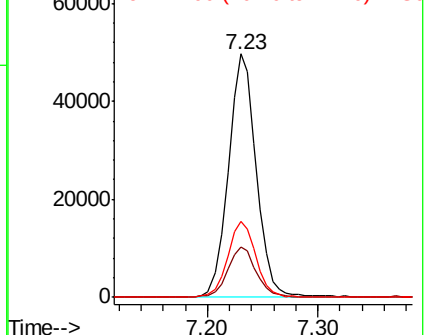
99 100

42 20.6 15.0 22.4

71 31.0 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



#10

Phenol

Concen: 4.613 ng

RT: 7.26 min Scan# 676

Delta R.T. -0.00 min

Lab File: BG038199.D

Acq: 28 Nov 2018 13:39

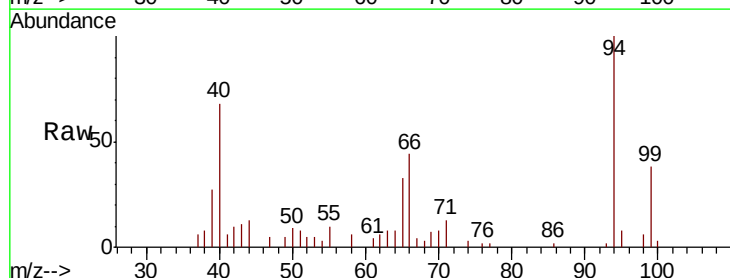
Tgt Ion: 94 Resp: 15506

Ion Ratio Lower Upper

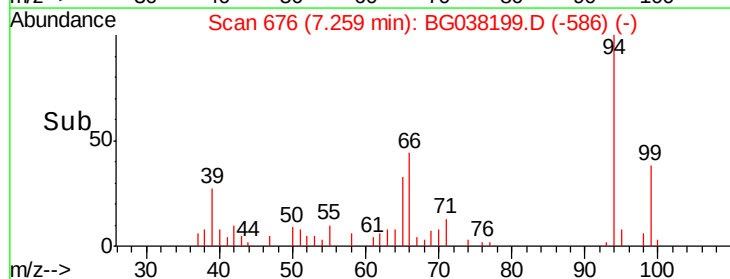
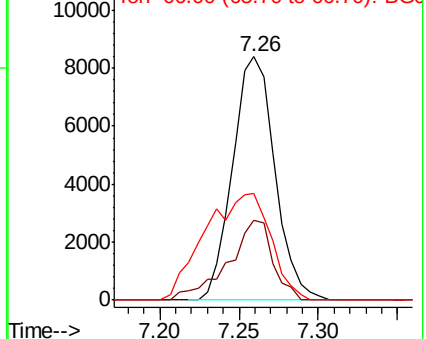
94 100

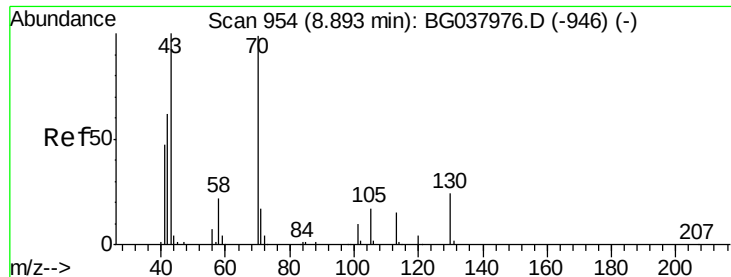
65 32.9 9.7 49.7

66 43.8 15.9 55.9



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

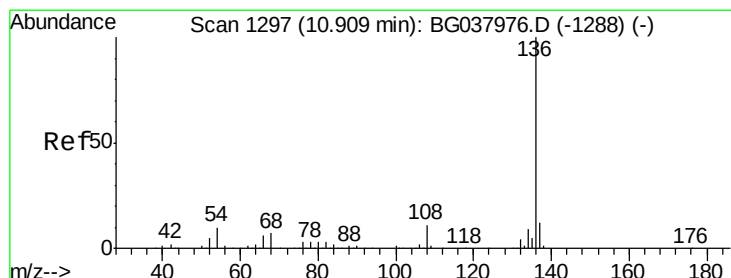
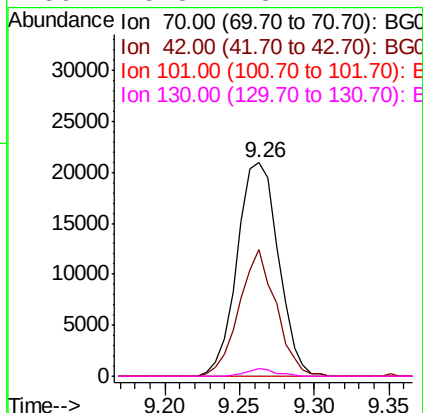
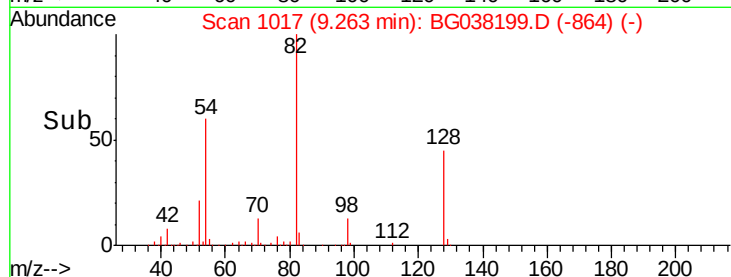
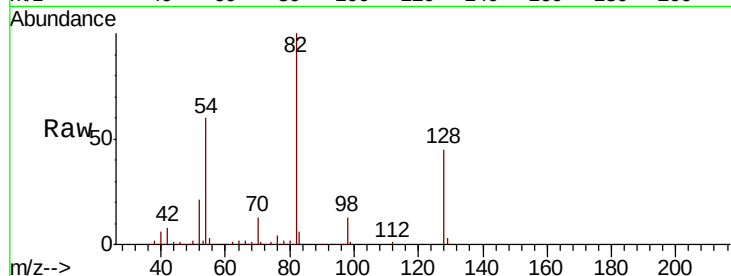




#19
n-Nitroso-di-n-propylamine
Concen: 17.509 ng
RT: 9.26 min Scan# 1017
Delta R.T. 0.37 min
Lab File: BG038199.D
Acq: 28 Nov 2018 13:39

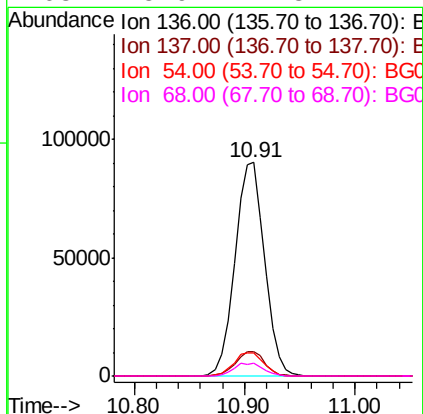
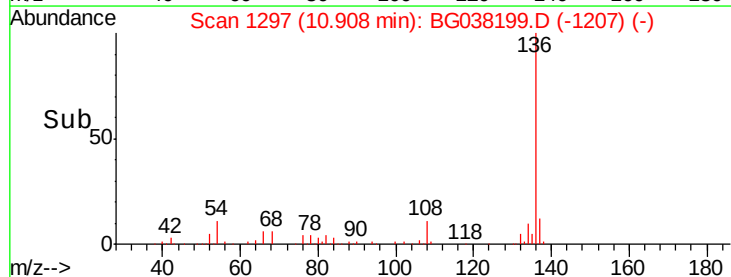
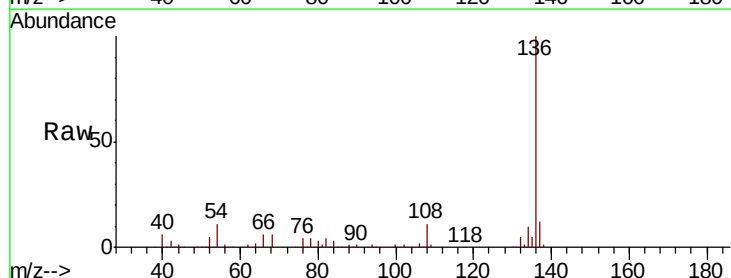
Instrument :
BNA_G
ClientSampleId :

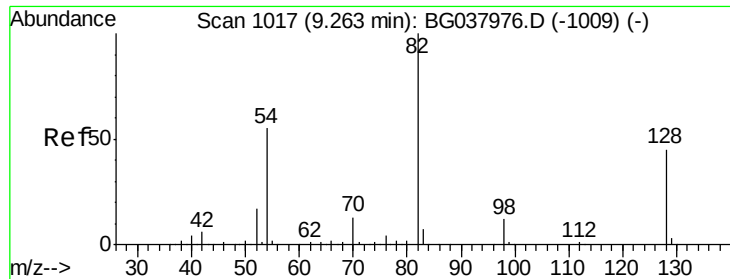
Tot Ion: 70 Resp: 40207
Ion Ratio Lower Upper
70 100
42 59.6 53.9 80.9
101 0.0 8.2 12.2#
130 3.3 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1297
Delta R.T. -0.00 min
Lab File: BG038199.D
Acq: 28 Nov 2018 13:39

Tgt Ion: 136 Resp: 169792
Ion Ratio Lower Upper
136 100
137 11.5 9.6 14.4
54 10.7 7.9 11.9
68 5.9 4.8 7.2

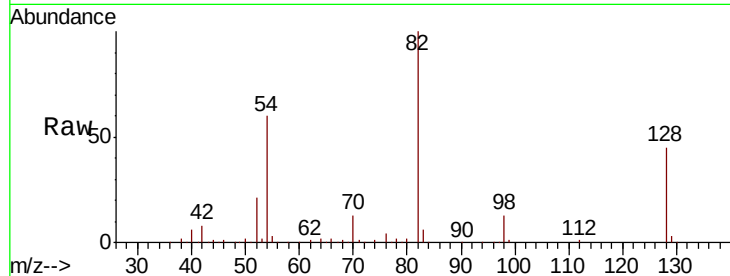




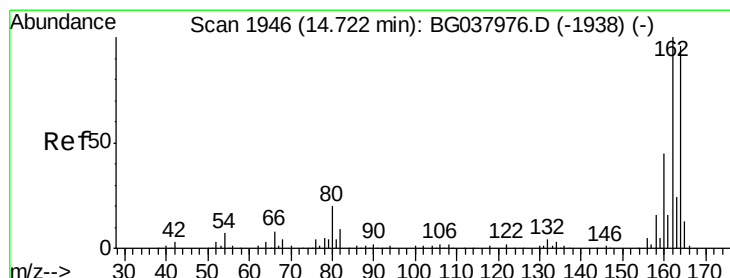
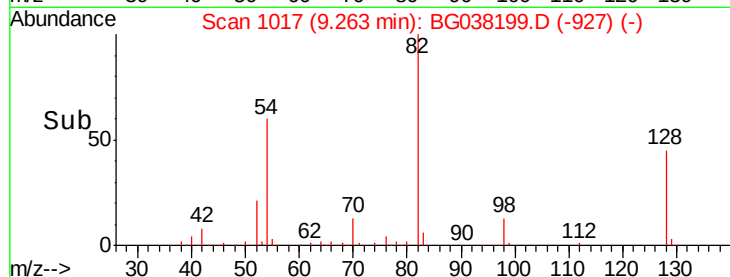
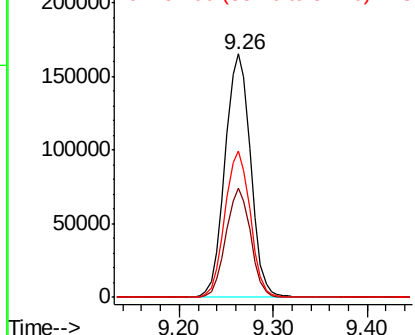
#23
Nitrobenzene-d5
Concen: 98.621 ng
RT: 9.26 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BG038199.D
Acq: 28 Nov 2018 13:39

Instrument :
BNA_G
ClientSampled :

Tot Ion: 82 Resp: 312814
Ion Ratio Lower Upper
82 100
128 44.9 34.6 51.8
54 60.2 45.3 67.9

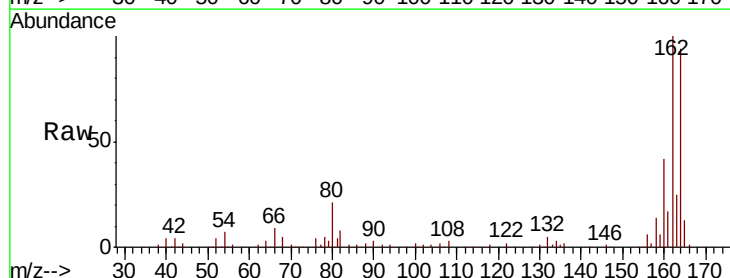


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

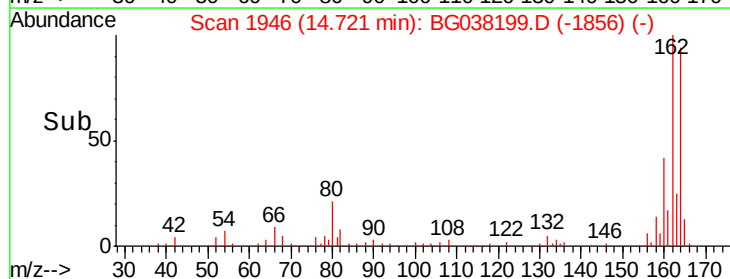
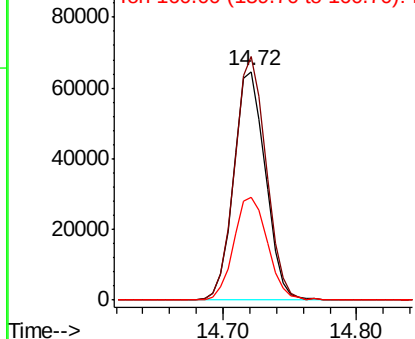


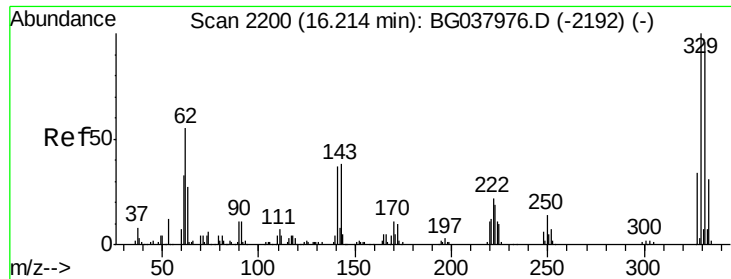
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1946
Delta R.T. -0.00 min
Lab File: BG038199.D
Acq: 28 Nov 2018 13:39

Tgt Ion:164 Resp: 106673
Ion Ratio Lower Upper
164 100
162 106.5 81.3 121.9
160 44.7 36.3 54.5



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: 93.649 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BG038199.D

Acq: 28 Nov 2018 13:39

Instrument :

BNA_G

ClientSampled :

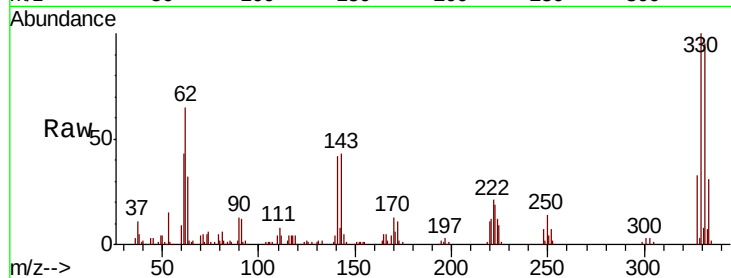
Tot Ion:330 Resp: 113932

Ion Ratio Lower Upper

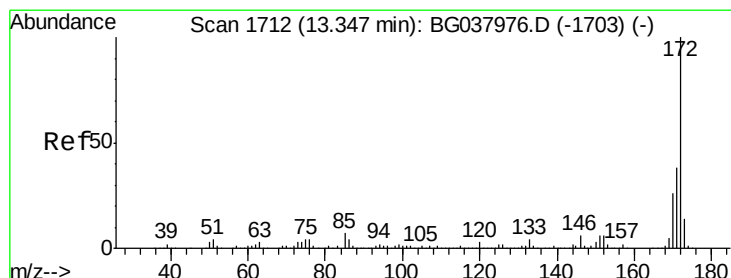
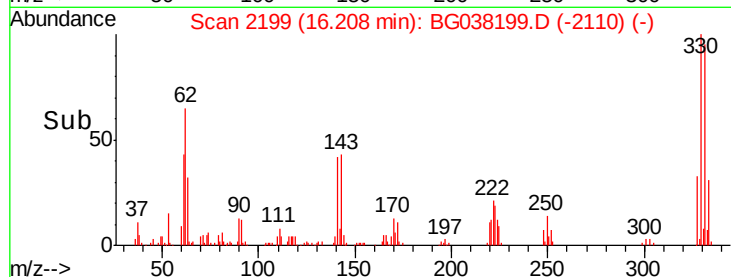
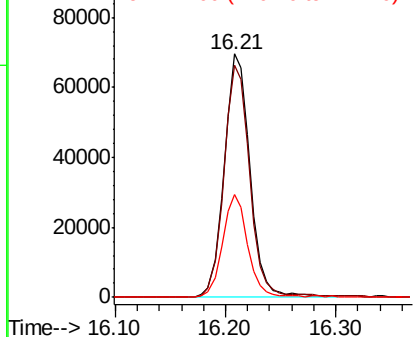
330 100

332 95.3 78.4 117.6

141 41.1 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: 97.397 ng

RT: 13.34 min Scan# 1711

Delta R.T. -0.01 min

Lab File: BG038199.D

Acq: 28 Nov 2018 13:39

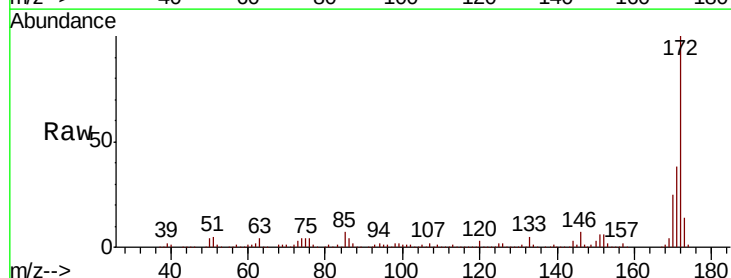
Tgt Ion:172 Resp: 713155

Ion Ratio Lower Upper

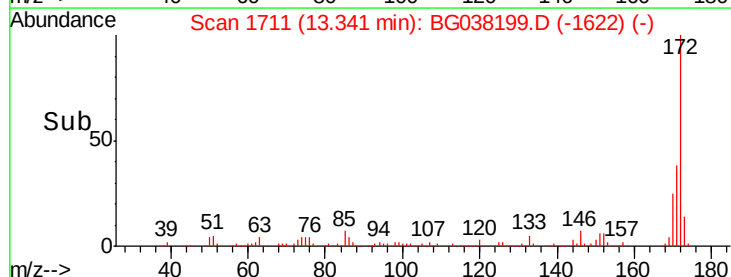
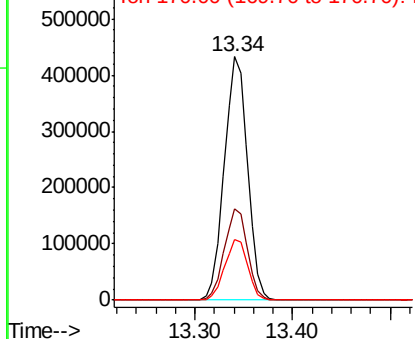
172 100

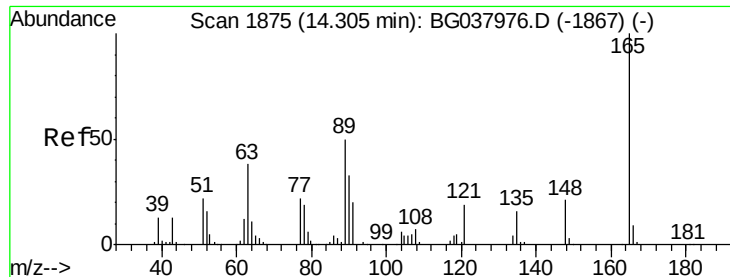
171 37.7 31.0 46.4

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

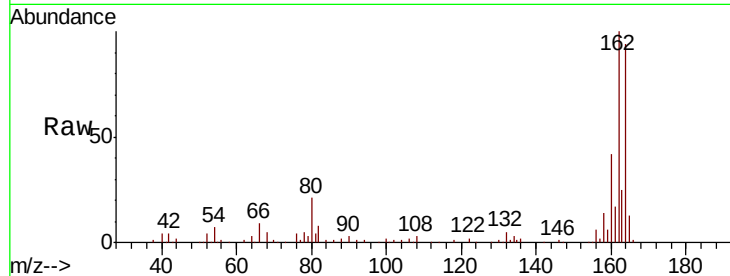




#51
 2,6-Dinitrotoluene
 Concen: 7.216 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. 0.42 min
 Lab File: BG038199.D
 Acq: 28 Nov 2018 13:39

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	0.0	45.8	68.6#

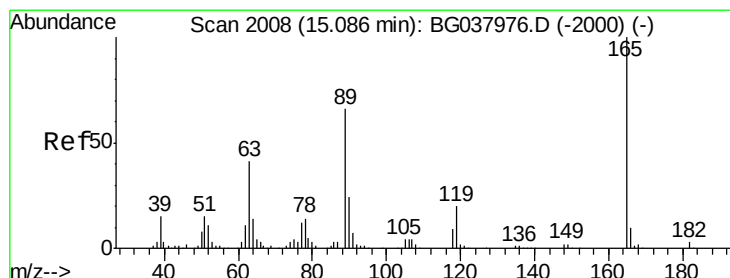
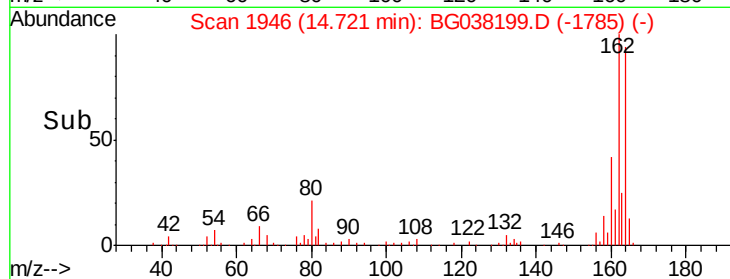
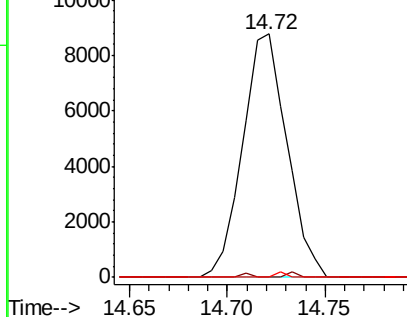


Abundance

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: 5.303 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. -0.36 min
 Lab File: BG038199.D
 Acq: 28 Nov 2018 13:39

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

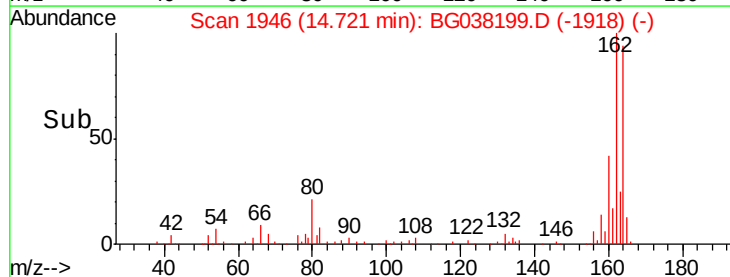
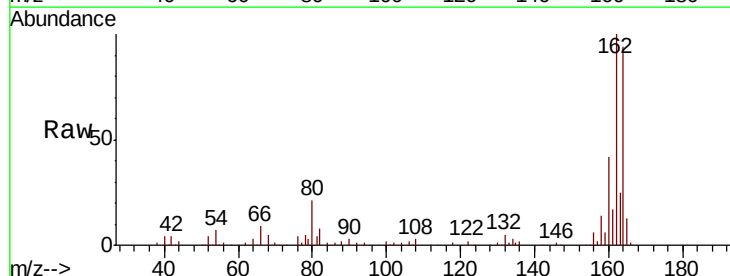
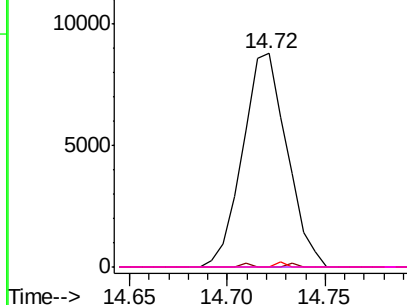
Abundance

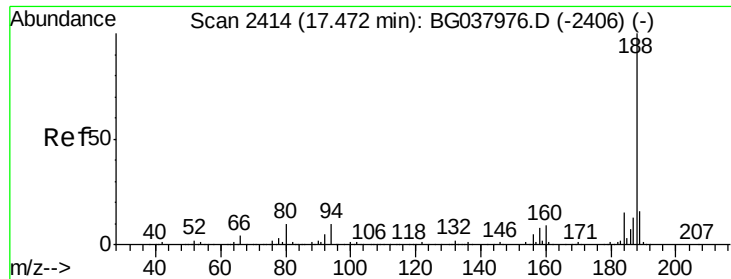
Ion 165.00 (164.70 to 165.70): E

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# 2414

Delta R.T. -0.00 min

Lab File: BG038199.D

Acq: 28 Nov 2018 13:39

Instrument :

BNA_G

ClientSampleId :

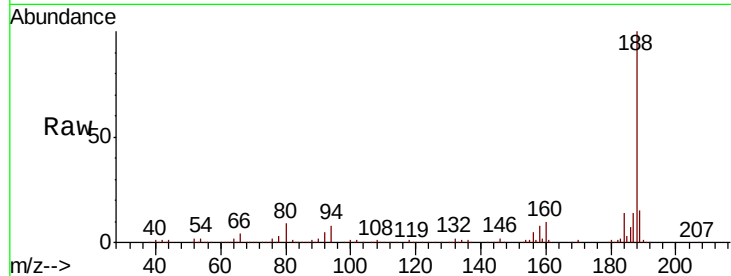
Tot Ion:188 Resp: 244402

Ion Ratio Lower Upper

188 100

94 8.3 7.2 10.8

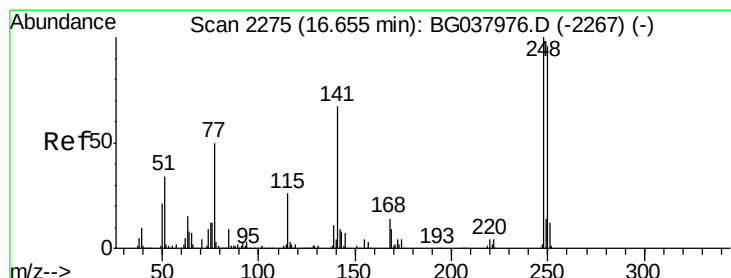
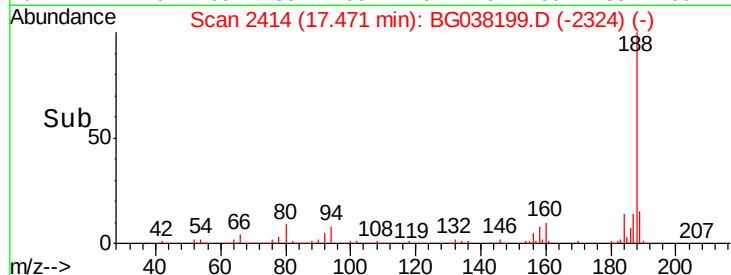
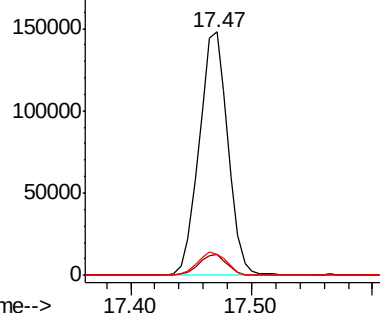
80 8.8 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

200000 Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#67

4-Bromophenyl-phenylether

Concen: 3.058 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.45 min

Lab File: BG038199.D

Acq: 28 Nov 2018 13:39

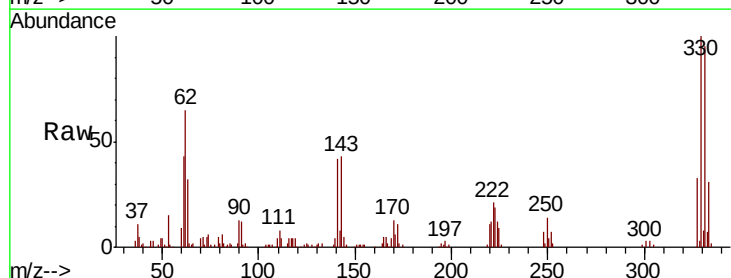
Tgt Ion:248 Resp: 8202

Ion Ratio Lower Upper

248 100

250 189.4 77.0 115.6#

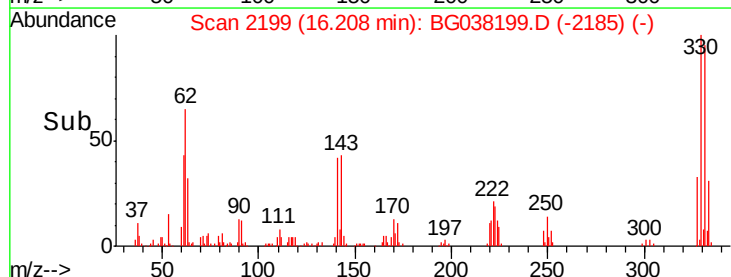
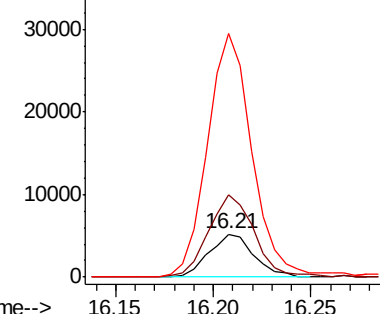
141 439.1 55.5 83.3#

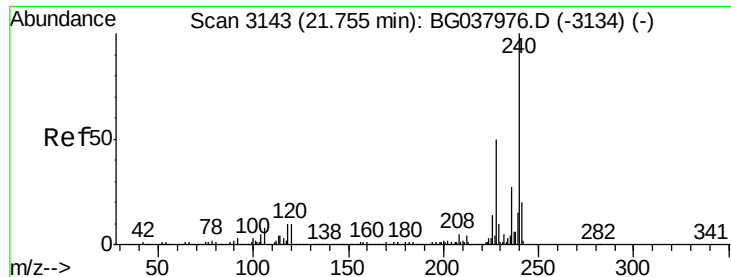


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3143

Delta R.T. -0.00 min

Lab File: BG038199.D

Acq: 28 Nov 2018 13:39

Instrument :

BNA_G

ClientSampleId :

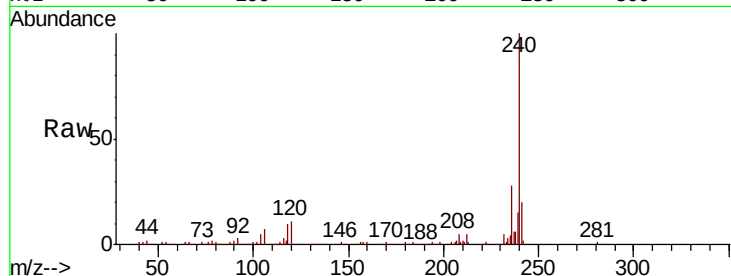
Tot Ion:240 Resp: 233223

Ion Ratio Lower Upper

240 100

120 11.1 8.1 12.1

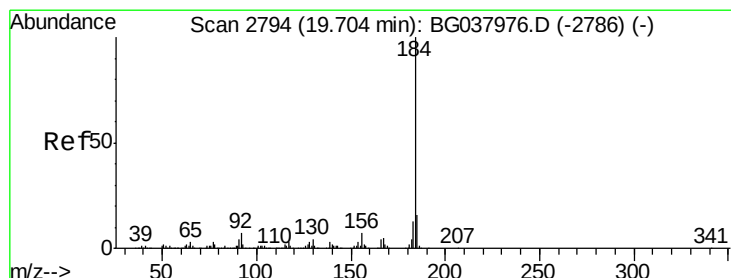
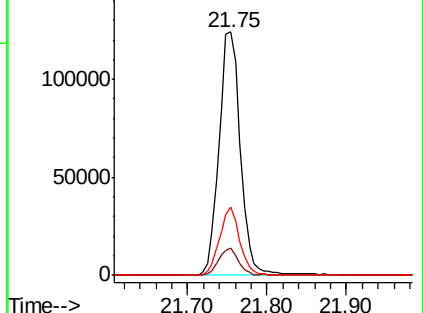
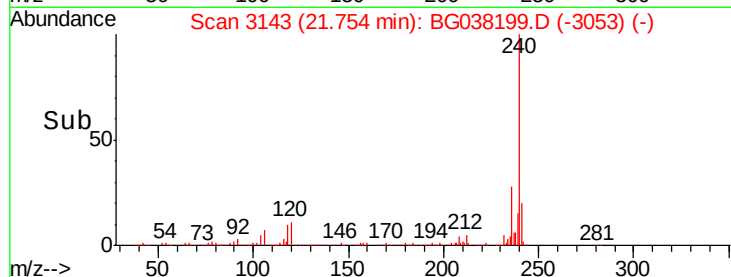
236 27.9 21.4 32.0



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



#77

Benzidine

Concen: 2.226 ng

RT: 20.07 min Scan# 2856

Delta R.T. 0.36 min

Lab File: BG038199.D

Acq: 28 Nov 2018 13:39

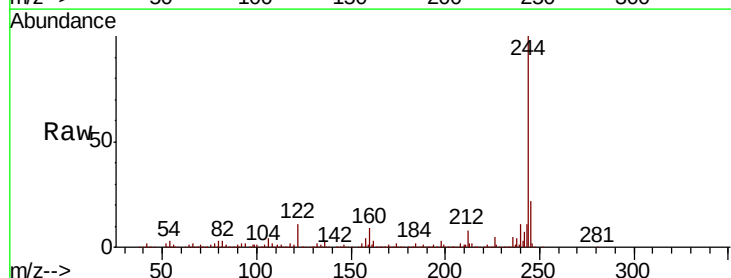
Tgt Ion:184 Resp: 18213

Ion Ratio Lower Upper

184 100

185 17.2 12.6 18.8

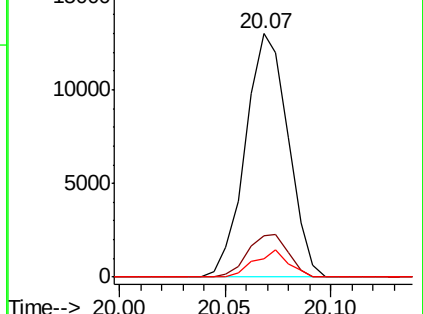
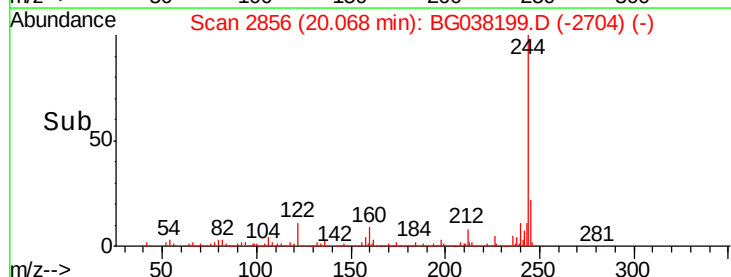
183 7.7 10.2 15.2#

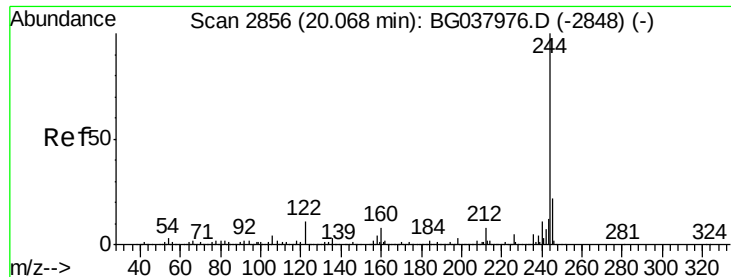


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 106.583 ng

RT: 20.07 min Scan# 2857

Delta R.T. 0.01 min

Lab File: BG038199.D

Acq: 28 Nov 2018 13:39

Instrument :

BNA_G

ClientSampled :

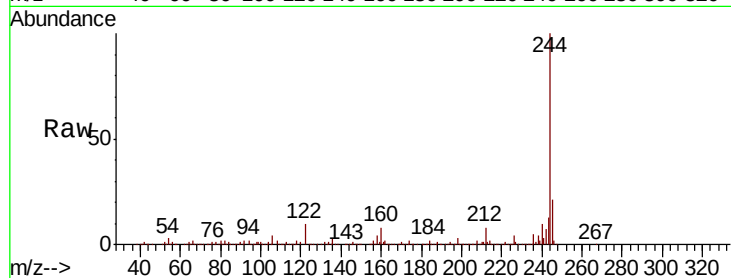
Tot Ion:244 Resp: 1056422

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

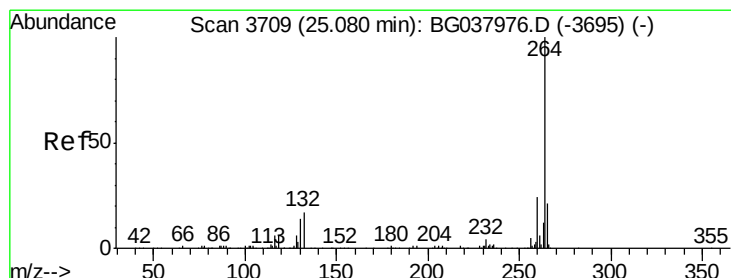
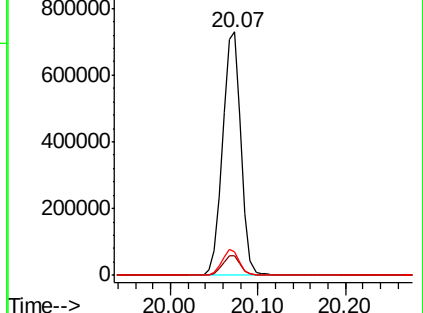
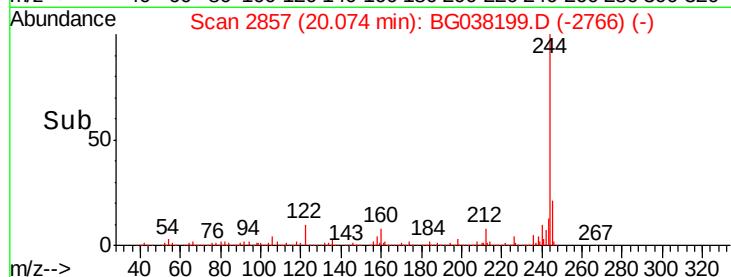
122 9.7 9.0 13.4



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: BG038199.D

Acq: 28 Nov 2018 13:39

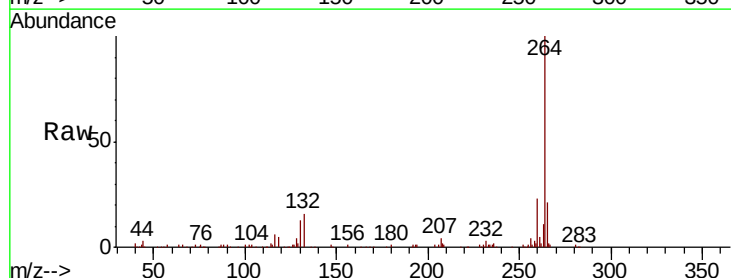
Tgt Ion:264 Resp: 226141

Ion Ratio Lower Upper

264 100

260 22.9 18.2 27.4

265 21.1 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

