

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112718\
 Data File : BG038193.D
 Acq On : 28 Nov 2018 9:26
 Operator : JU/SJ
 Sample : J6070-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 28 10:34:13 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

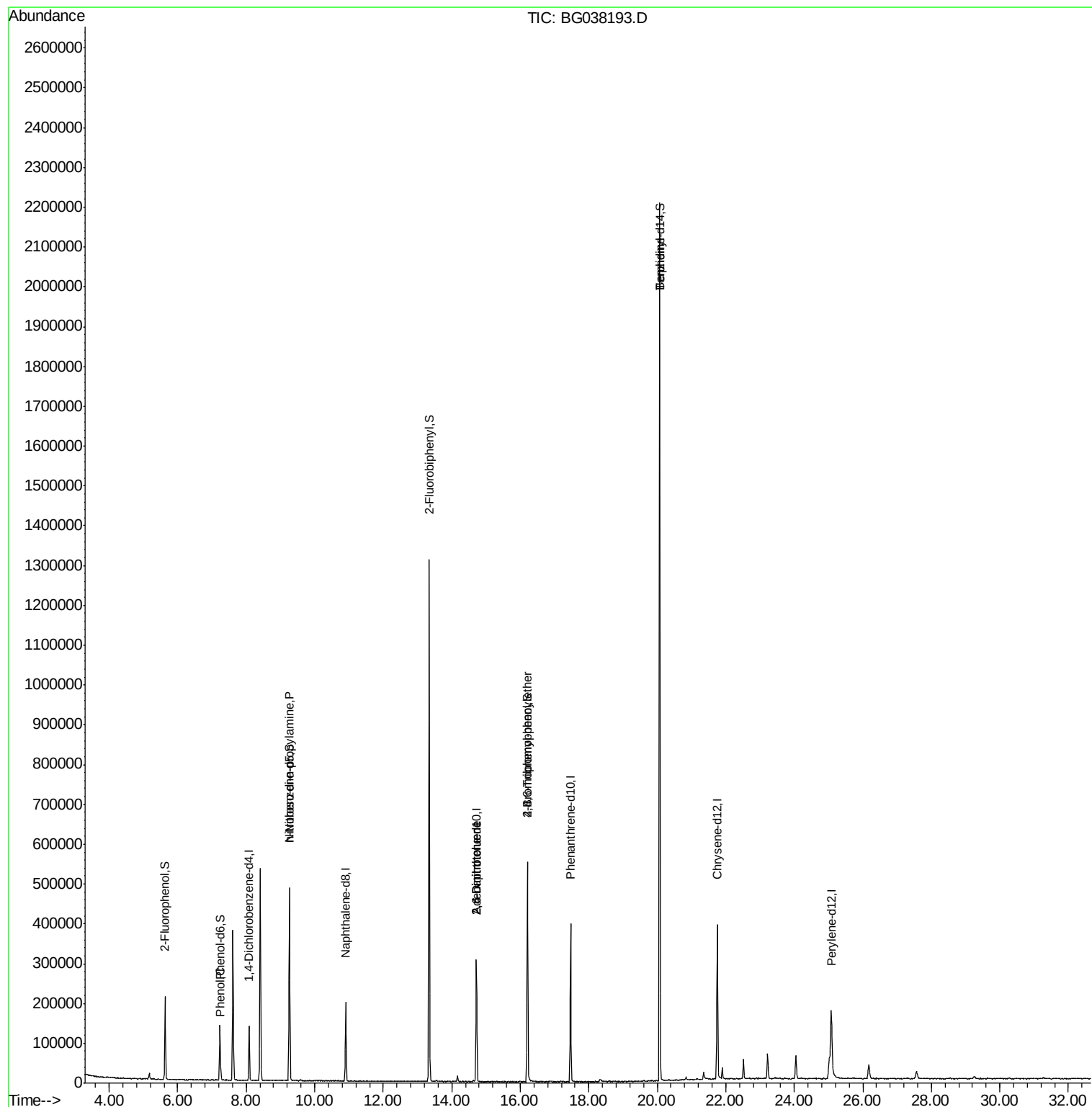
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	38273	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	178786	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	113422	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	255344	20.00	ng	0.00
76) Chrysene-d12	21.75	240	242353	20.00	ng	0.00
87) Perylene-d12	25.08	264	229293	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	95597	43.13	ng	0.00
7) Phenol-d6	7.23	99	83473	26.38	ng	0.00
23) Nitrobenzene-d5	9.26	82	311387	93.23	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	106123	82.04	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	717812	92.20	ng	0.00
79) Terphenyl-d14	20.07	244	1030765	100.08	ng	0.00
Target Compounds						
10) Phenol	7.26	94	10865	3.242	ng	98
19) n-Nitroso-di-n-propylamine	9.27	70	39590	17.291	ng	# 73
51) 2,6-Dinitrotoluene	14.72	165	14400	7.076	ng	# 23
57) 2,4-Dinitrotoluene	14.72	165	14400	5.201	ng	# 23
67) 4-Bromophenyl-phenylether	16.21	248	7130	2.544	ng	# 1
77) Benzidine	20.07	184	18159	2.135	ng	# 95

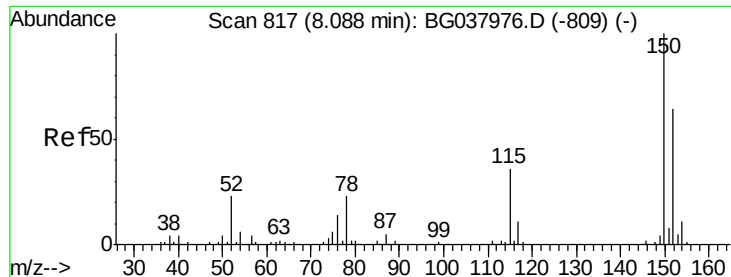
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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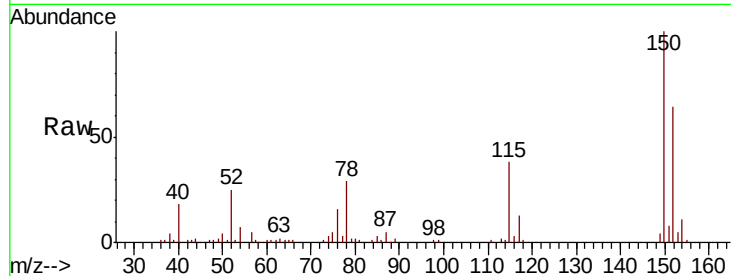


#1

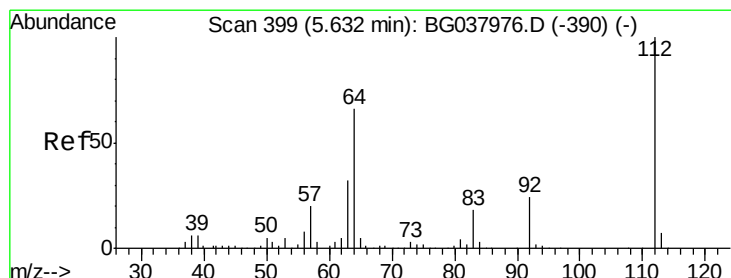
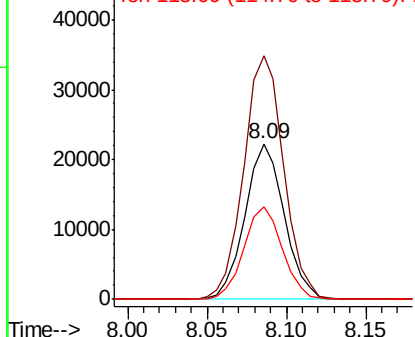
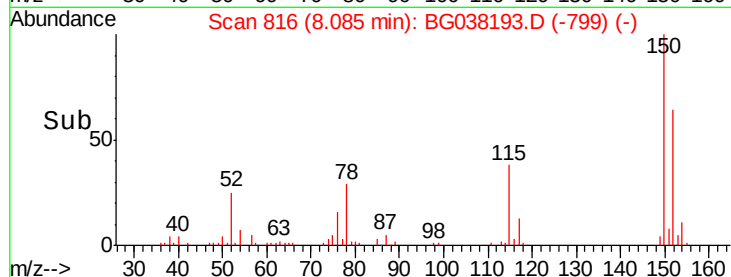
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.09 min Scan# 816
Delta R.T. -0.00 min
Lab File: BG038193.D
Acq: 28 Nov 2018 9:26

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 38273
Ion Ratio Lower Upper
152 100
150 156.4 126.0 189.0
115 59.1 45.5 68.3



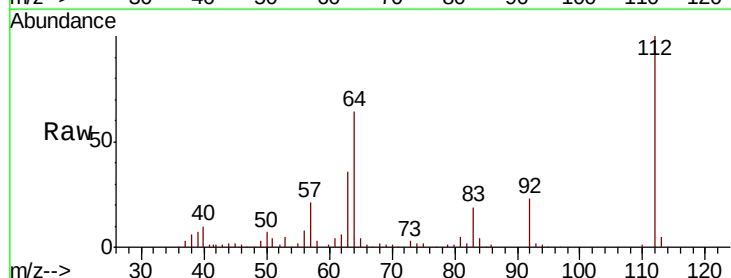
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



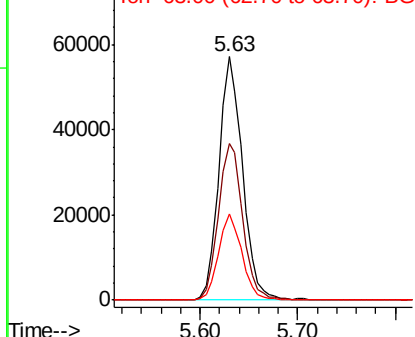
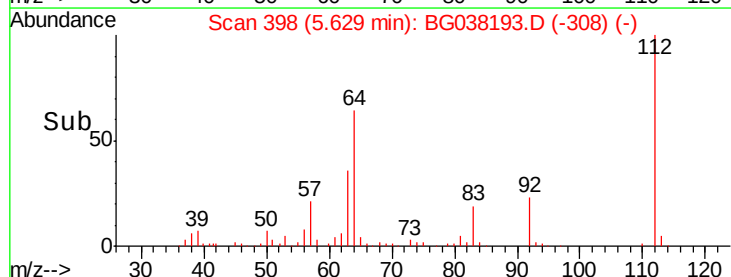
#5

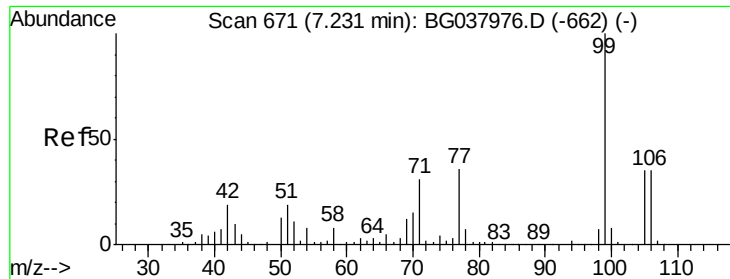
2-Fluorophenol
Concen: 43.126 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.00 min
Lab File: BG038193.D
Acq: 28 Nov 2018 9:26

Tgt Ion:112 Resp: 95597
Ion Ratio Lower Upper
112 100
64 64.1 53.1 79.7
63 35.5 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: 26.380 ng

RT: 7.23 min Scan# 671

Delta R.T. 0.00 min

Lab File: BG038193.D

Acq: 28 Nov 2018 9:26

Instrument :

BNA_G

ClientSampleId :

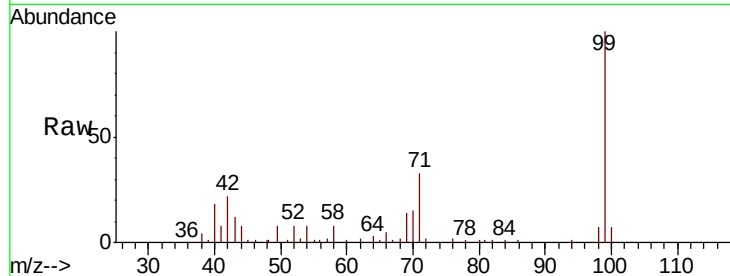
Tot Ion: 99 Resp: 83473

Ion Ratio Lower Upper

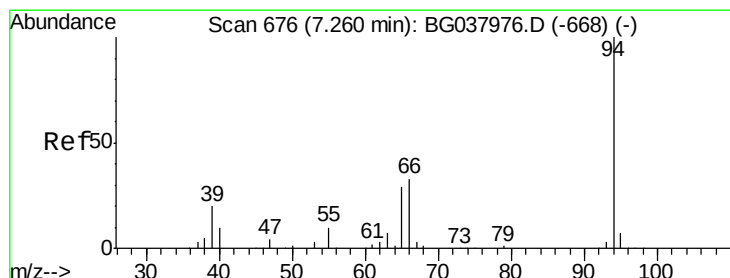
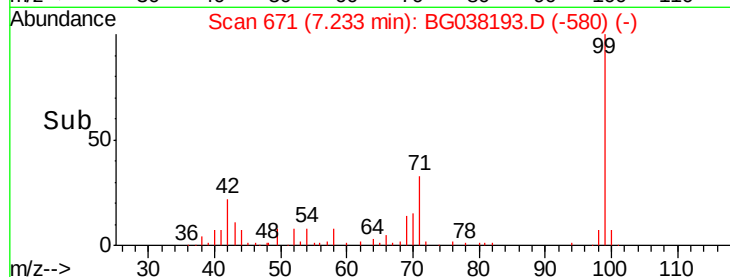
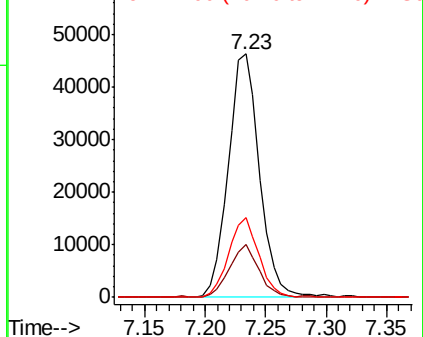
99 100

42 21.5 15.0 22.4

71 32.8 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: 3.242 ng

RT: 7.26 min Scan# 675

Delta R.T. -0.00 min

Lab File: BG038193.D

Acq: 28 Nov 2018 9:26

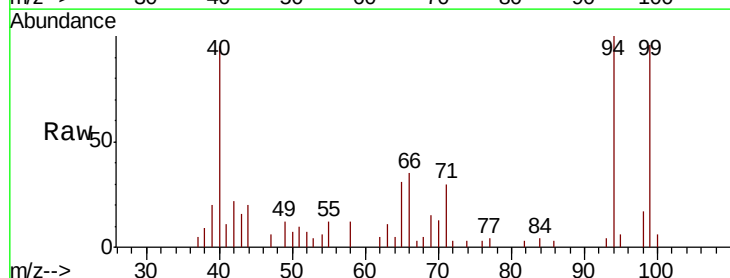
Tgt Ion: 94 Resp: 10865

Ion Ratio Lower Upper

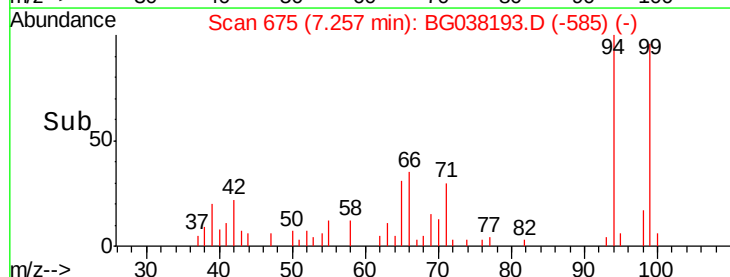
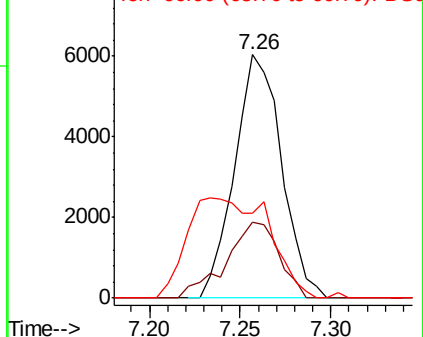
94 100

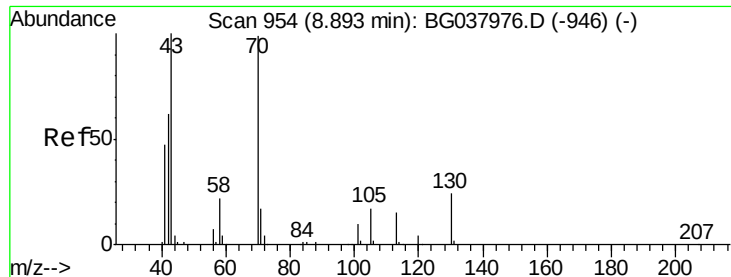
65 31.3 9.7 49.7

66 34.8 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

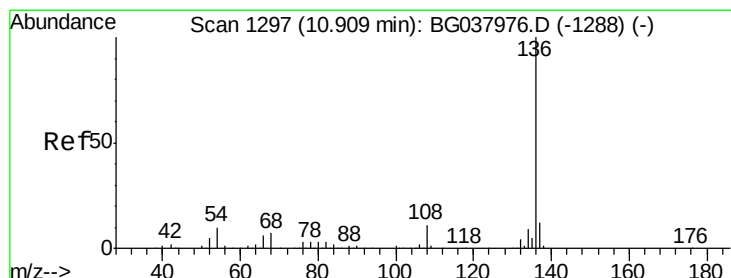
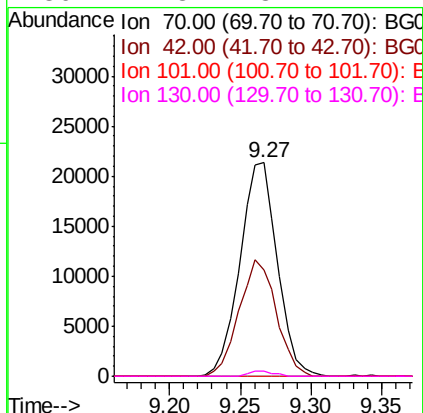
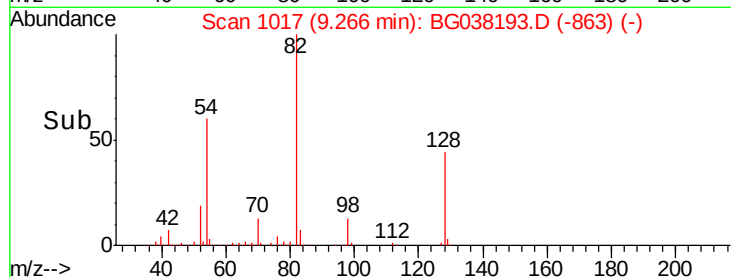
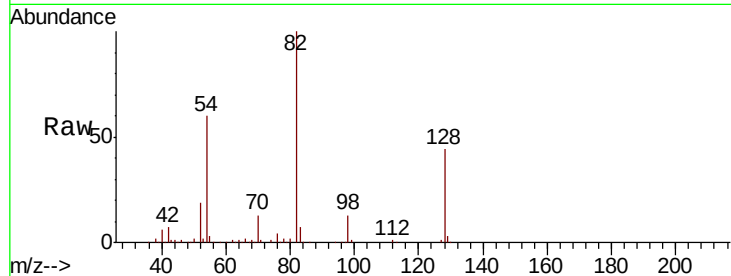




#19
n-Nitroso-di-n-propylamine
Concen: 17.291 ng
RT: 9.27 min Scan# 1017
Delta R.T. 0.37 min
Lab File: BG038193.D
Acq: 28 Nov 2018 9:26

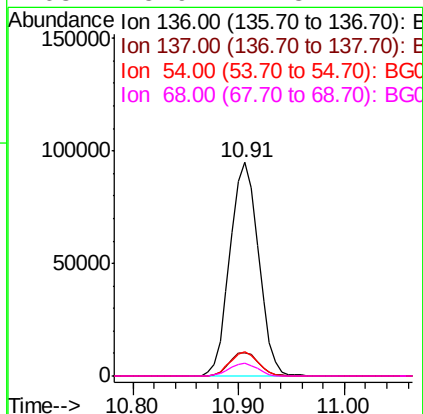
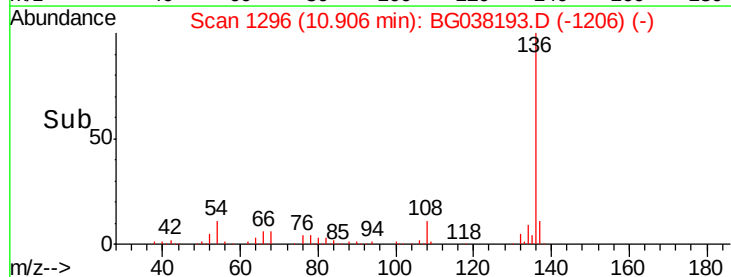
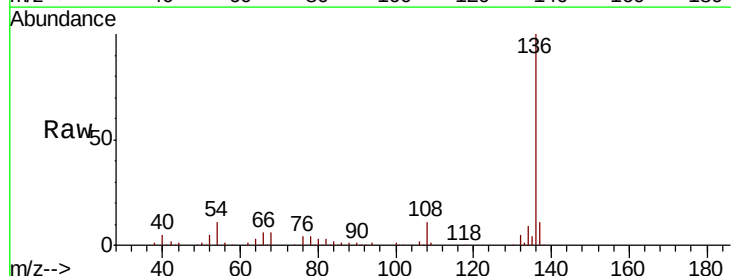
Instrument :
BNA_G
ClientSampleId :

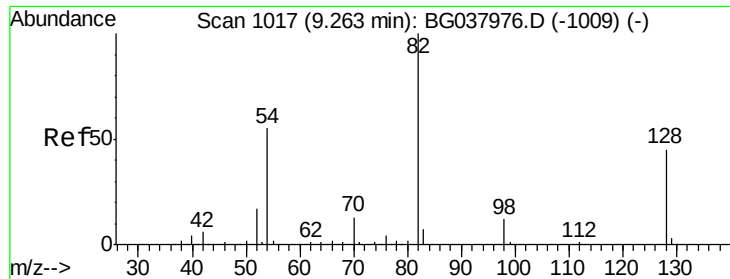
Tot Ion: 70 Resp: 39590
Ion Ratio Lower Upper
70 100
42 50.1 53.9 80.9#
101 0.0 8.2 12.2#
130 2.3 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BG038193.D
Acq: 28 Nov 2018 9:26

Tgt Ion: 136 Resp: 178786
Ion Ratio Lower Upper
136 100
137 10.9 9.6 14.4
54 11.5 7.9 11.9
68 5.9 4.8 7.2

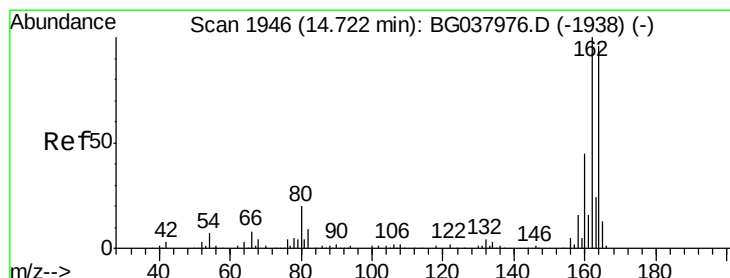
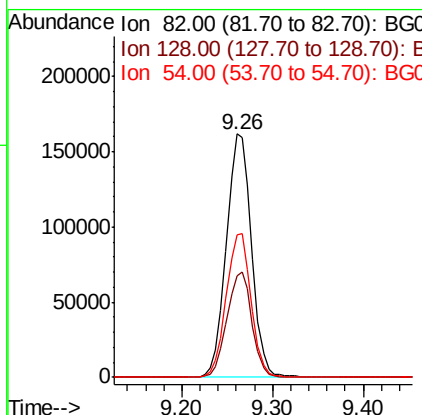
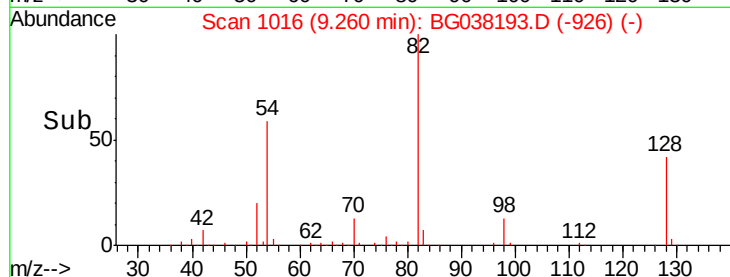
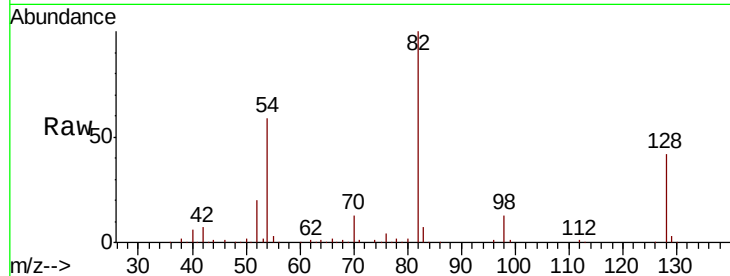




#23
Nitrobenzene-d5
Concen: 93.232 ng
RT: 9.26 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BG038193.D
Acq: 28 Nov 2018 9:26

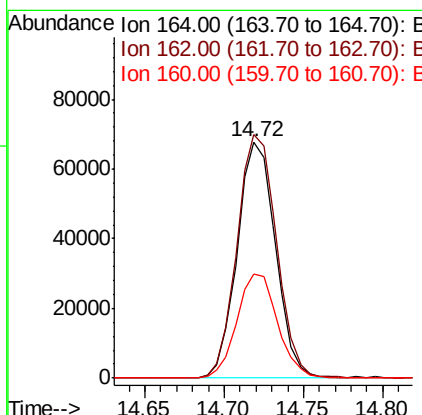
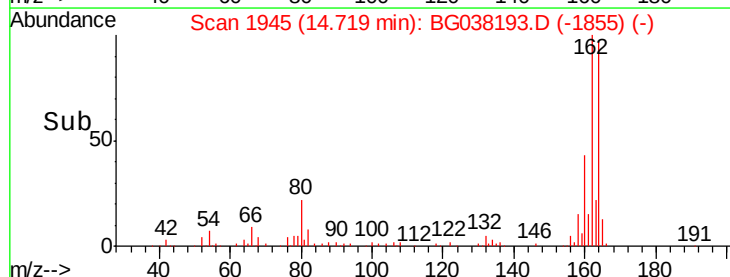
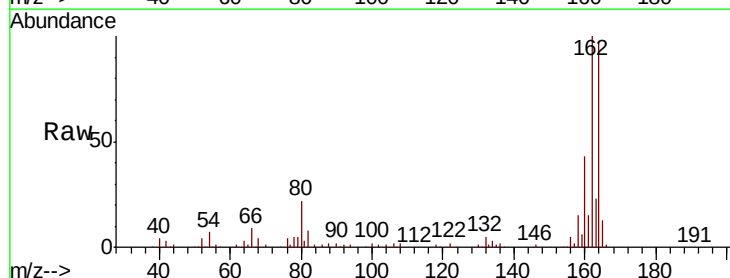
Instrument :
BNA_G
ClientSampled :

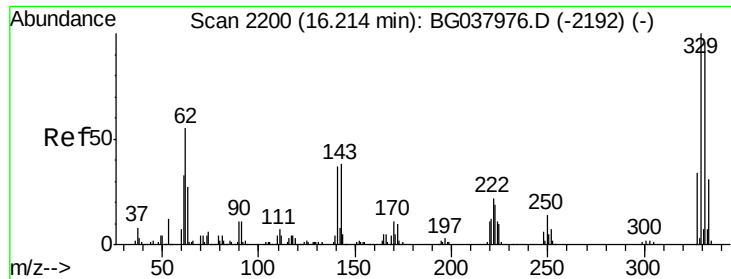
Tot Ion: 82 Resp: 311387
Ion Ratio Lower Upper
82 100
128 41.5 34.6 51.8
54 58.7 45.3 67.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1945
Delta R.T. -0.00 min
Lab File: BG038193.D
Acq: 28 Nov 2018 9:26

Tgt Ion: 164 Resp: 113422
Ion Ratio Lower Upper
164 100
162 103.0 81.3 121.9
160 44.3 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 82.040 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BG038193.D

Acq: 28 Nov 2018 9:26

Instrument :

BNA_G

ClientSampleId :

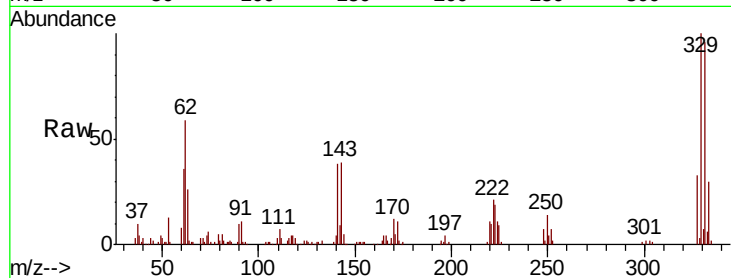
Tot Ion:330 Resp: 106123

Ion Ratio Lower Upper

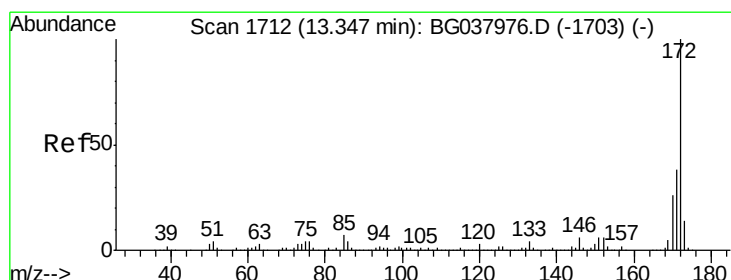
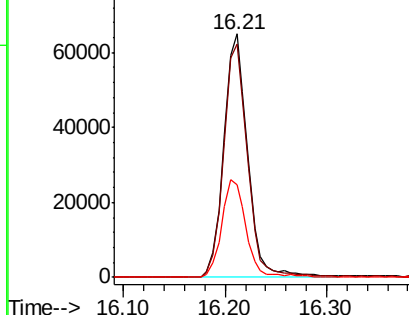
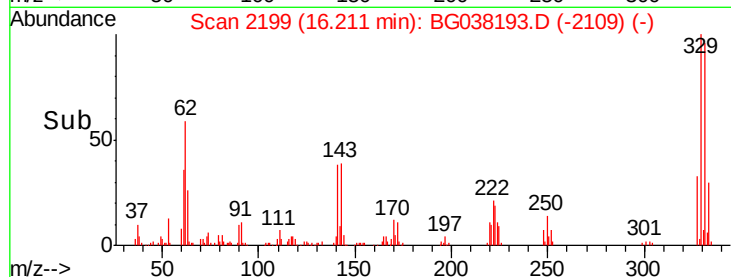
330 100

332 96.1 78.4 117.6

141 41.3 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: 92.199 ng

RT: 13.34 min Scan# 1711

Delta R.T. -0.00 min

Lab File: BG038193.D

Acq: 28 Nov 2018 9:26

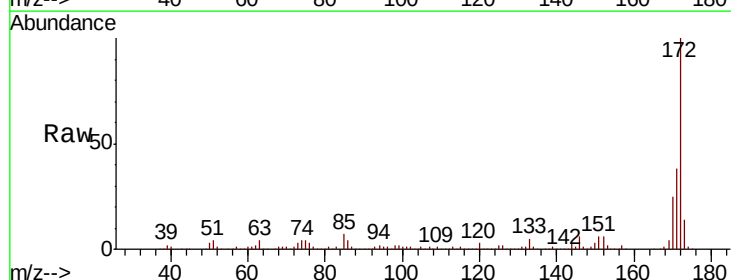
Tgt Ion:172 Resp: 717812

Ion Ratio Lower Upper

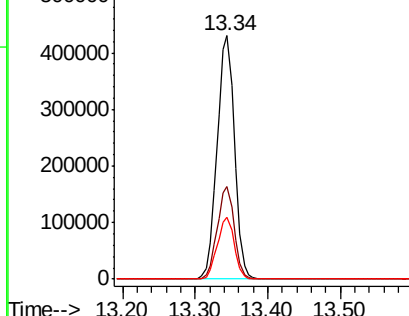
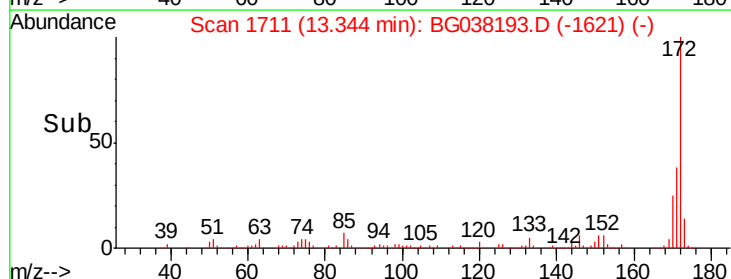
172 100

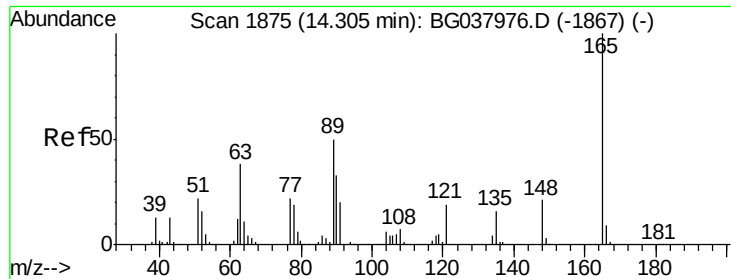
171 38.1 31.0 46.4

170 25.3 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

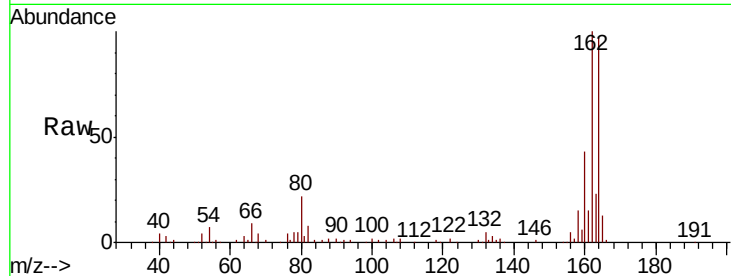




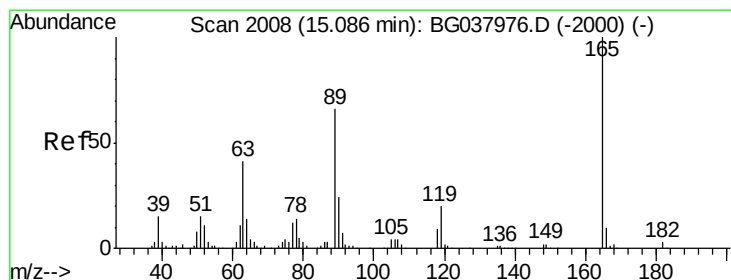
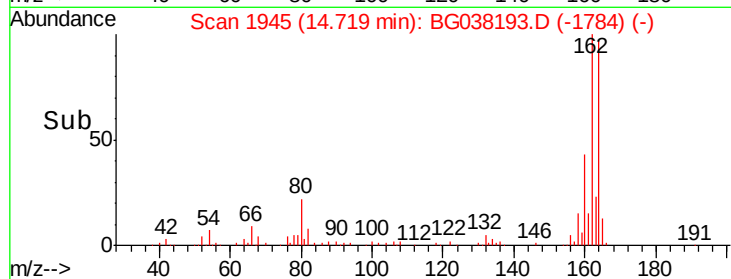
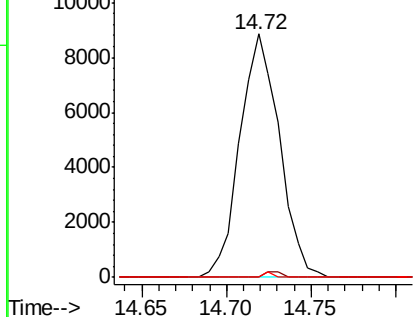
#51
 2,6-Dinitrotoluene
 Concen: 7.076 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. 0.41 min
 Lab File: BG038193.D
 Acq: 28 Nov 2018 9:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 14400
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.4 65.2#
 89 0.0 45.8 68.6#

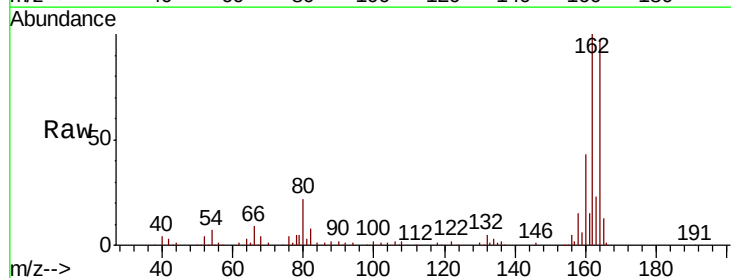


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

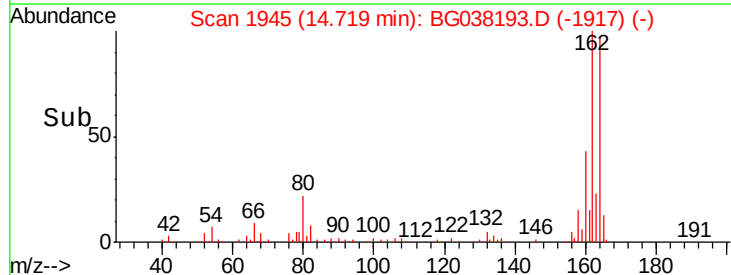
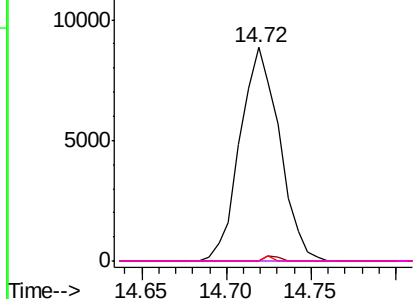


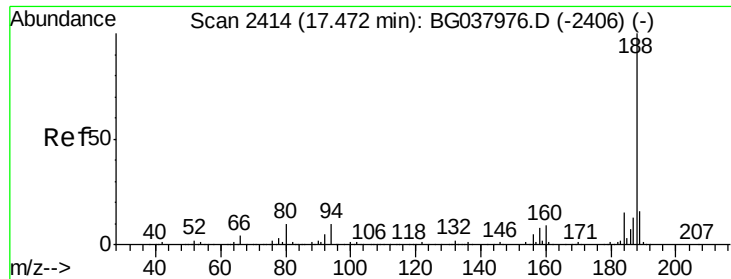
#57
 2,4-Dinitrotoluene
 Concen: 5.201 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. -0.37 min
 Lab File: BG038193.D
 Acq: 28 Nov 2018 9:26

Tgt Ion:165 Resp: 14400
 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# 2413

Delta R.T. -0.00 min

Lab File: BG038193.D

Acq: 28 Nov 2018 9:26

Instrument :

BNA_G

ClientSampleId :

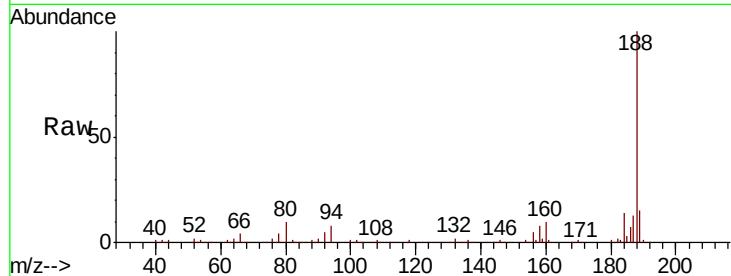
Tot Ion:188 Resp: 255344

Ion Ratio Lower Upper

188 100

94 8.5 7.2 10.8

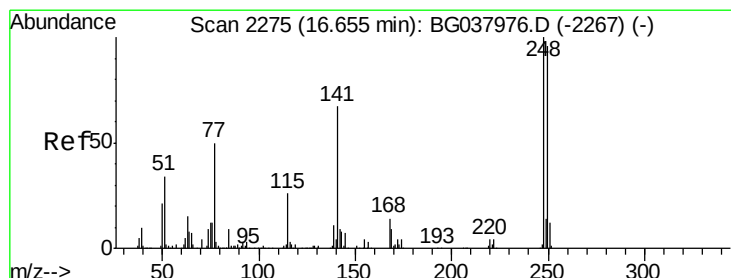
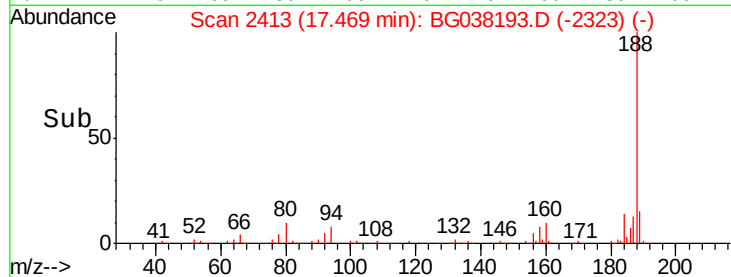
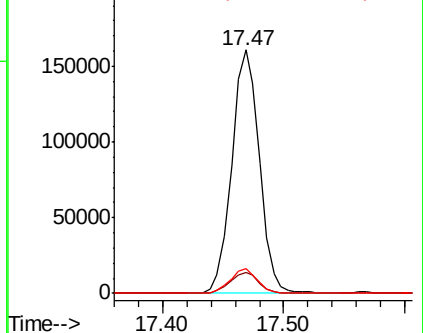
80 10.2 7.7 11.5



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: 2.544 ng

RT: 16.21 min Scan# 2198

Delta R.T. -0.45 min

Lab File: BG038193.D

Acq: 28 Nov 2018 9:26

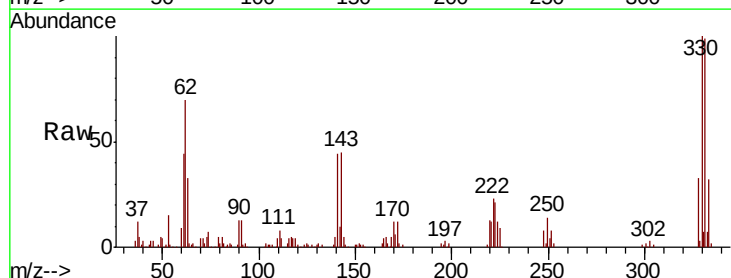
Tgt Ion:248 Resp: 7130

Ion Ratio Lower Upper

248 100

250 172.5 77.0 115.6#

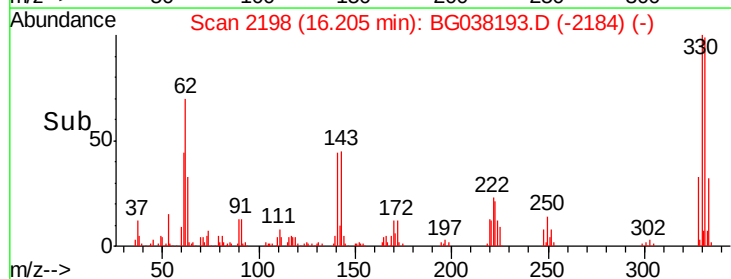
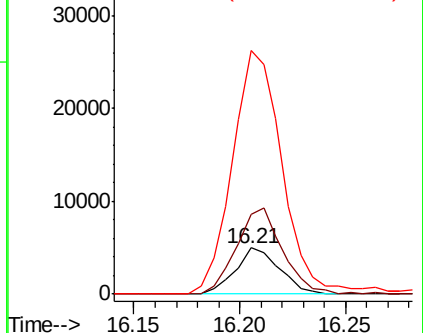
141 414.7 55.5 83.3#

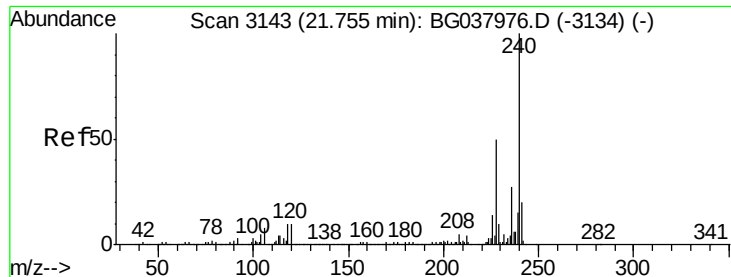


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

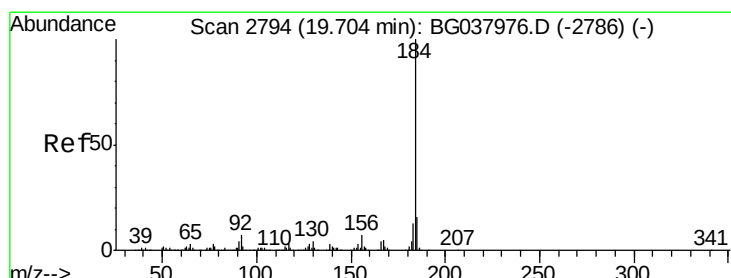
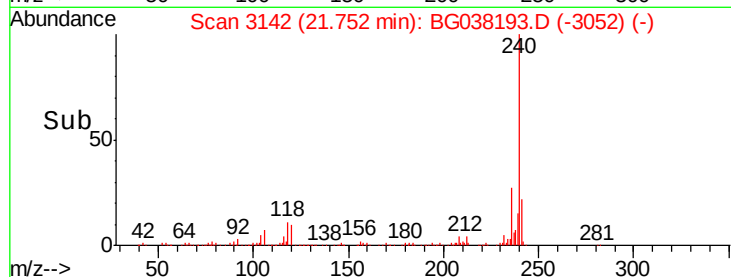
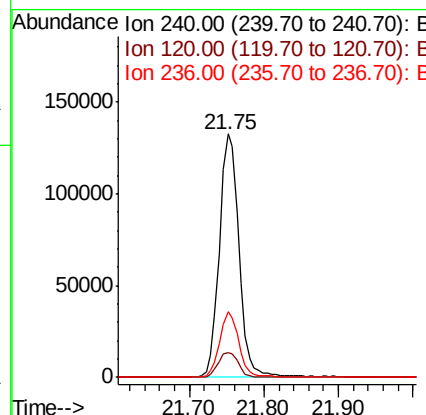
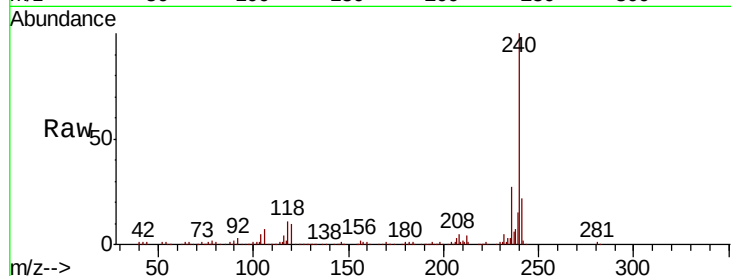




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG038193.D
Acq: 28 Nov 2018 9:26

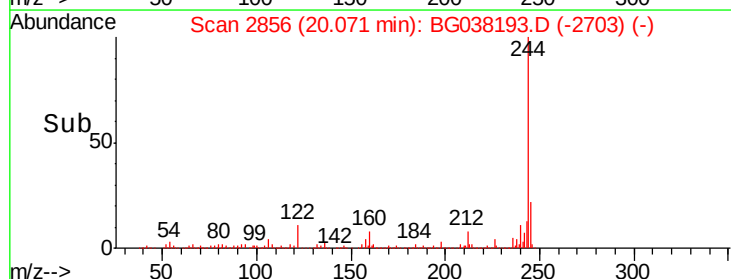
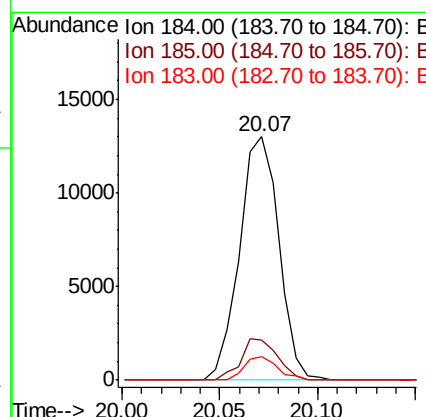
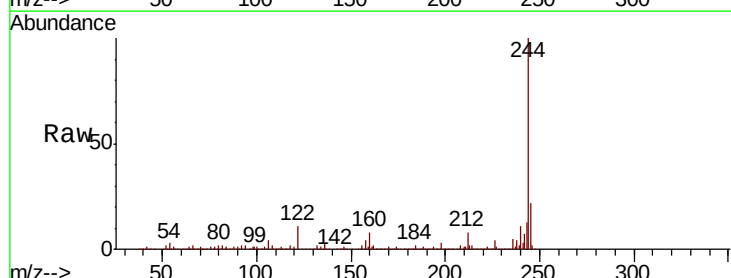
Instrument :
BNA_G
ClientSampleId :

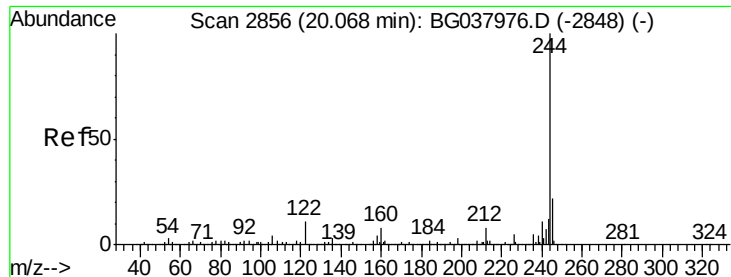
Tot Ion:240 Resp: 242353
Ion Ratio Lower Upper
240 100
120 10.3 8.1 12.1
236 26.8 21.4 32.0



#77
Benzidine
Concen: 2.135 ng
RT: 20.07 min Scan# 2856
Delta R.T. 0.37 min
Lab File: BG038193.D
Acq: 28 Nov 2018 9:26

Tgt Ion:184 Resp: 18159
Ion Ratio Lower Upper
184 100
185 16.6 12.6 18.8
183 9.6 10.2 15.2#





#79

Terphenyl-d14

Concen: 100.077 ng

RT: 20.07 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG038193.D

Acq: 28 Nov 2018 9:26

Instrument :

BNA_G

ClientSampled :

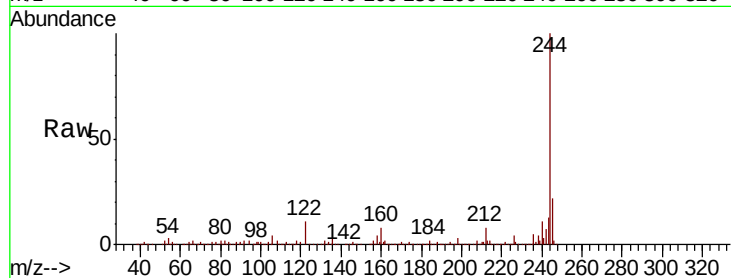
Tot Ion:244 Resp: 1030765

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

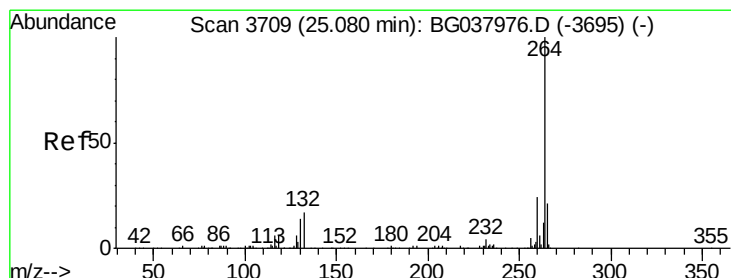
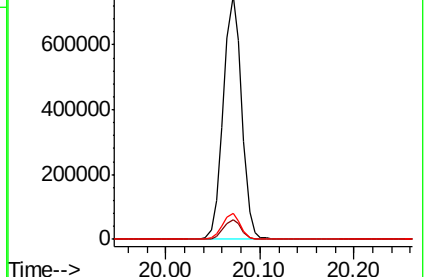
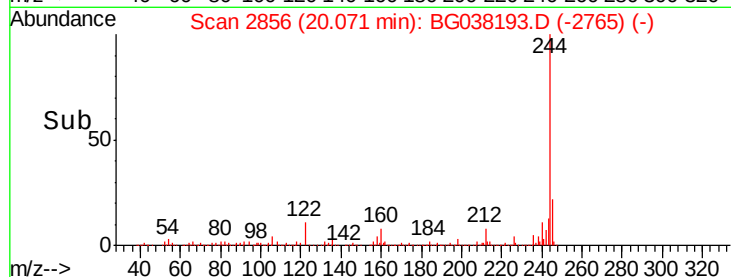
122 10.5 9.0 13.4



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: 25.08 min Scan# 3708

Delta R.T. -0.00 min

Lab File: BG038193.D

Acq: 28 Nov 2018 9:26

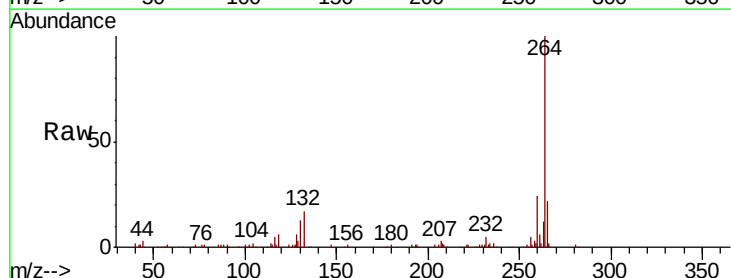
Tgt Ion:264 Resp: 229293

Ion Ratio Lower Upper

264 100

260 23.6 18.2 27.4

265 22.3 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

