

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112718\
 Data File : BG038195.D
 Acq On : 28 Nov 2018 10:44
 Operator : JU/SJ
 Sample : J6070-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 28 13:05:34 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

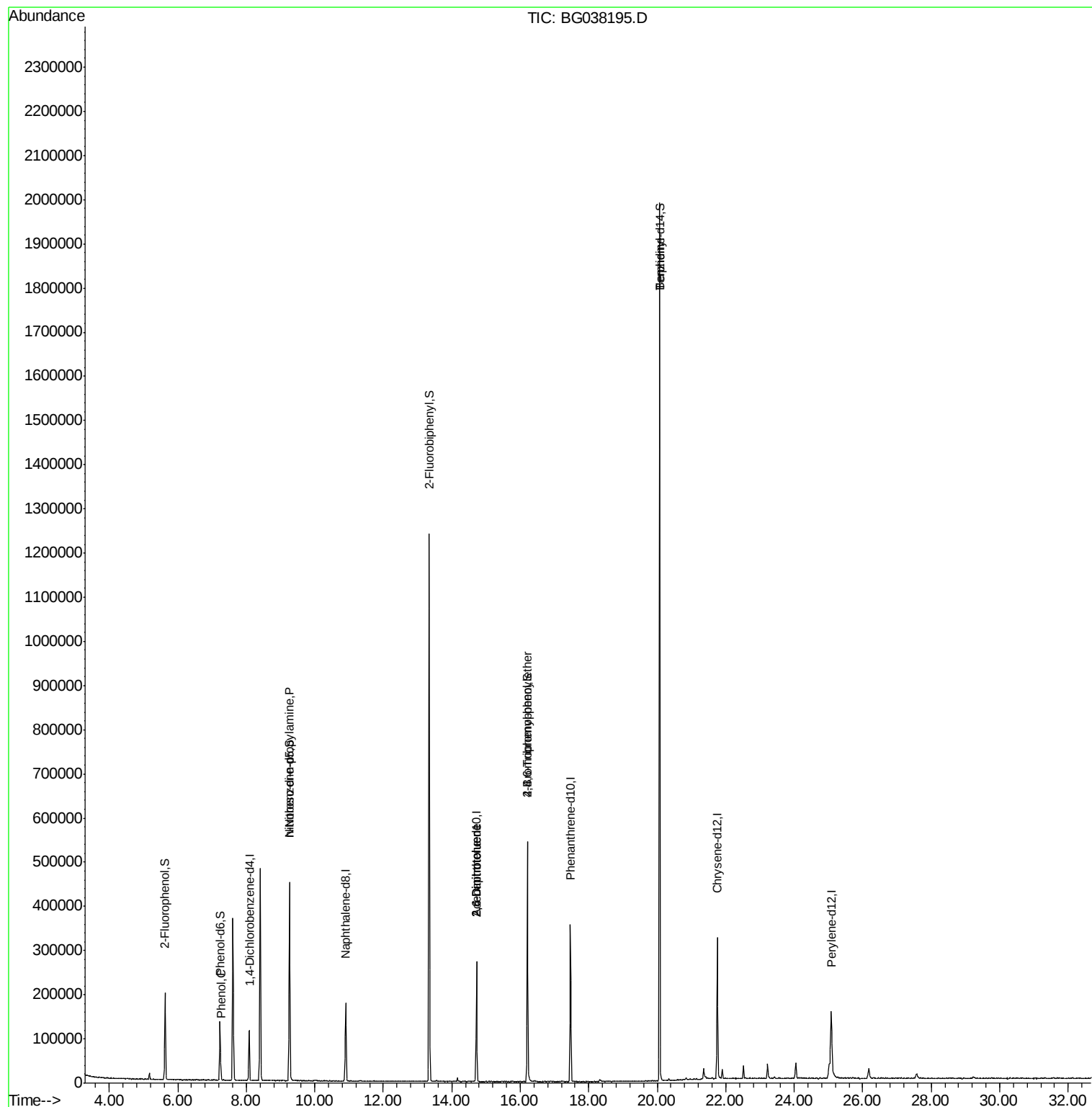
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	34030	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	157394	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	99697	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	223652	20.00	ng	0.00
76) Chrysene-d12	21.76	240	203247	20.00	ng	0.00
87) Perylene-d12	25.08	264	199697	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	92520	46.94	ng	0.00
7) Phenol-d6	7.23	99	81664	29.03	ng	0.00
23) Nitrobenzene-d5	9.26	82	285274	97.02	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	96417	84.80	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	636824	93.06	ng	0.00
79) Terphenyl-d14	20.07	244	955668	110.64	ng	0.00
Target Compounds						
10) Phenol	7.26	94	10209	3.426	ng	97
19) n-Nitroso-di-n-propylamine	9.26	70	36002	17.685	ng	# 72
51) 2,6-Dinitrotoluene	14.72	165	12803	7.157	ng	# 26
57) 2,4-Dinitrotoluene	14.72	165	12803	5.260	ng	# 26
67) 4-Bromophenyl-phenylether	16.21	248	6515	2.654	ng	# 1
77) Benzidine	20.07	184	16285	2.283	ng	# 89

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

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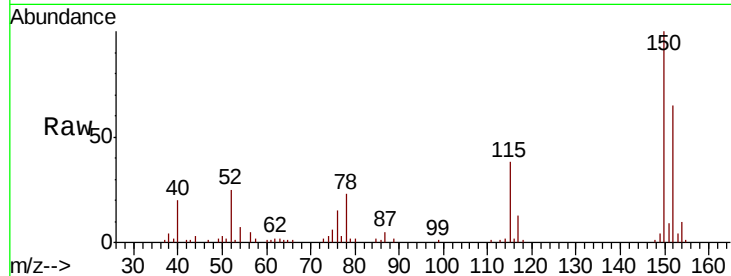


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.09 min Scan# 817
Delta R.T. 0.00 min
Lab File: BG038195.D
Acq: 28 Nov 2018 10:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	126.0	189.0
115	58.4	45.5	68.3

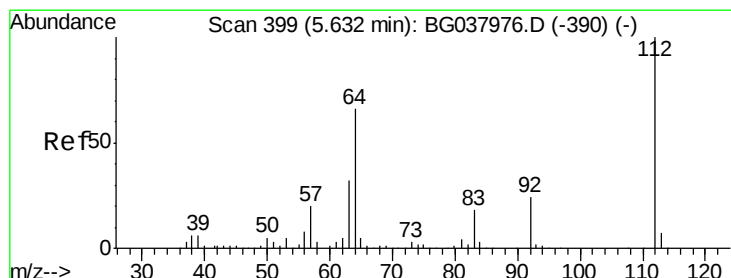
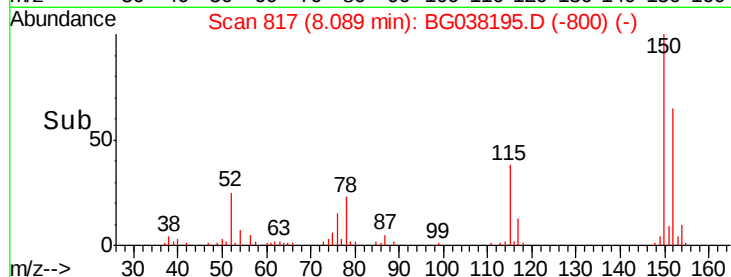
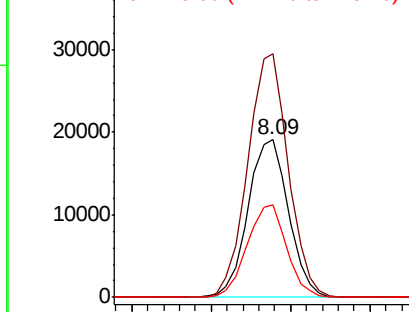


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

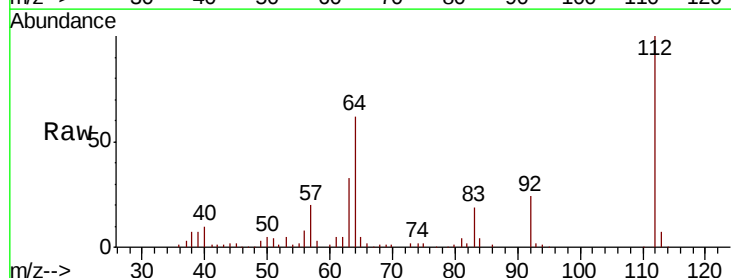
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 46.941 ng
RT: 5.63 min Scan# 399
Delta R.T. 0.00 min
Lab File: BG038195.D
Acq: 28 Nov 2018 10:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	53.1	79.7
63	32.8	27.3	40.9

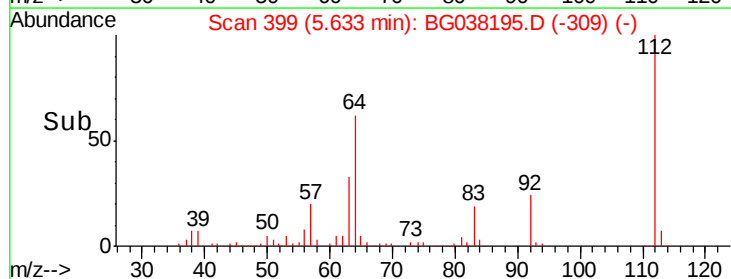
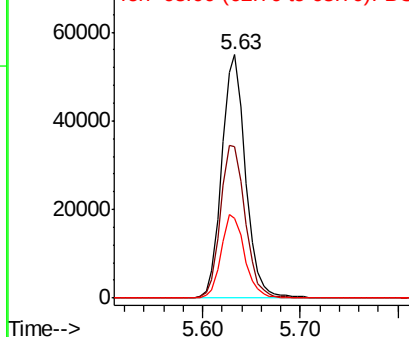


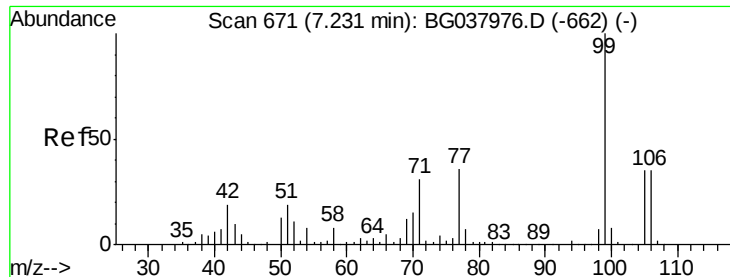
Abundance

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: 29.026 ng

RT: 7.23 min Scan# 671

Delta R.T. 0.00 min

Lab File: BG038195.D

Acq: 28 Nov 2018 10:44

Instrument :

BNA_G

ClientSampleId :

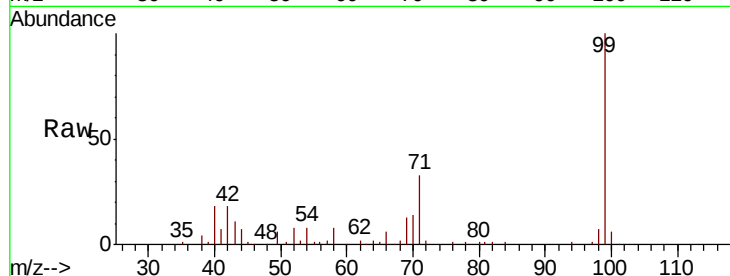
Tot Ion: 99 Resp: 81664

Ion Ratio Lower Upper

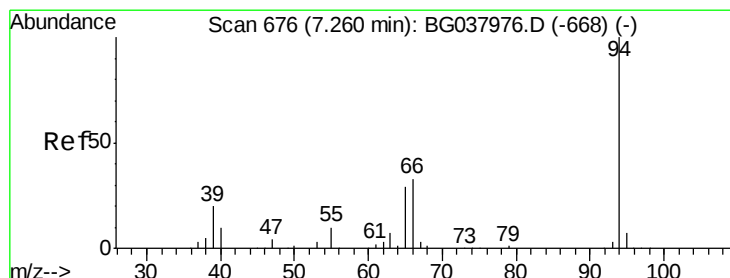
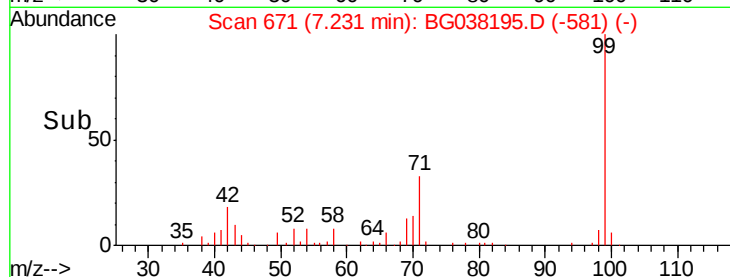
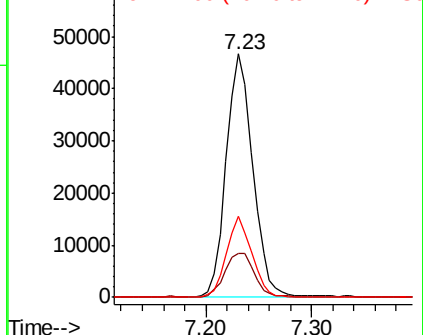
99 100

42 18.0 15.0 22.4

71 33.3 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: 3.426 ng

RT: 7.26 min Scan# 676

Delta R.T. 0.00 min

Lab File: BG038195.D

Acq: 28 Nov 2018 10:44

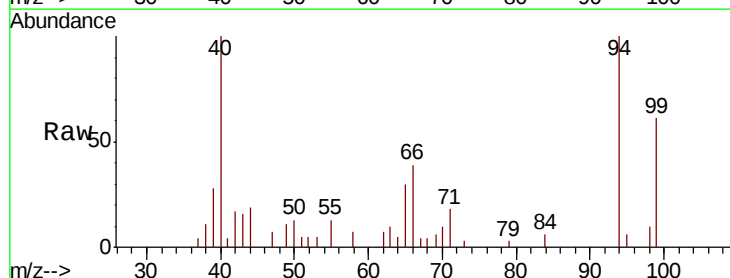
Tgt Ion: 94 Resp: 10209

Ion Ratio Lower Upper

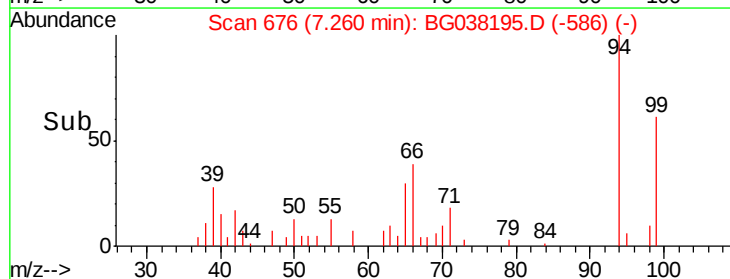
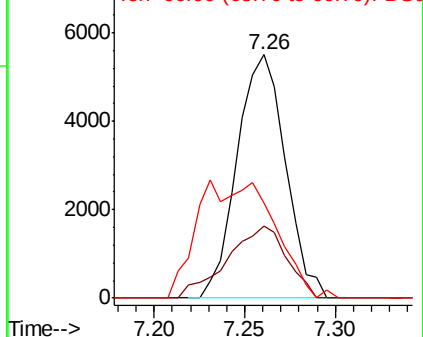
94 100

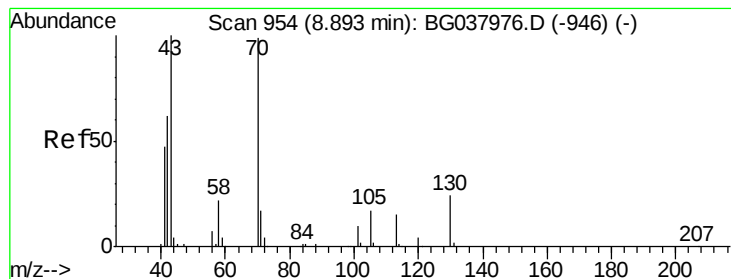
65 29.6 9.7 49.7

66 39.3 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: 17.685 ng

RT: 9.26 min Scan# 1017

Delta R.T. 0.37 min

Lab File: BG038195.D

Acq: 28 Nov 2018 10:44

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 36002

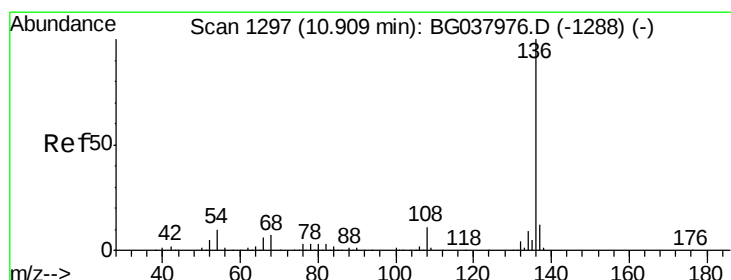
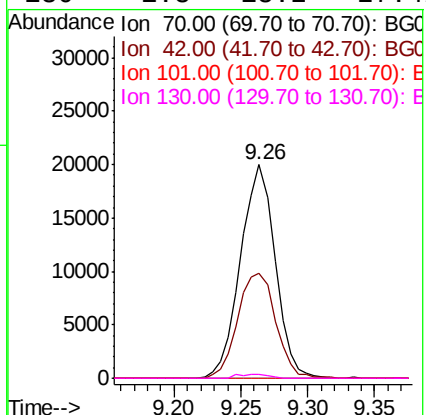
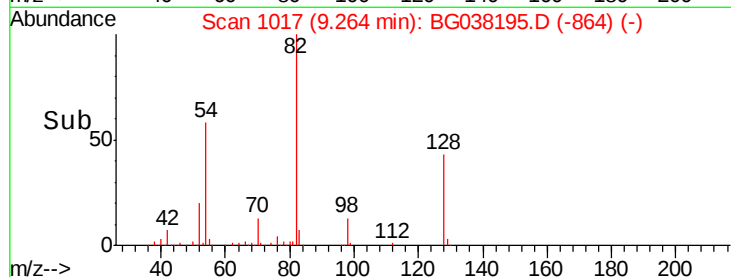
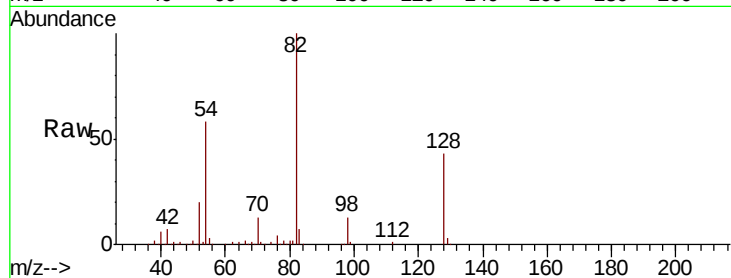
Ion Ratio Lower Upper

70 100

42 49.3 53.9 80.9#

101 0.0 8.2 12.2#

130 1.8 18.2 27.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.90 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BG038195.D

Acq: 28 Nov 2018 10:44

Tgt Ion: 136 Resp: 157394

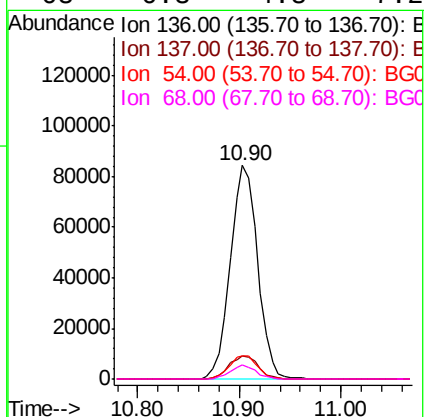
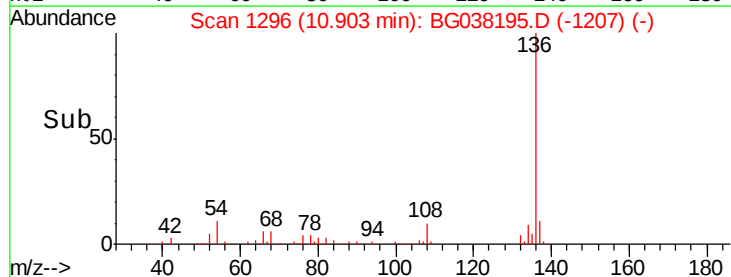
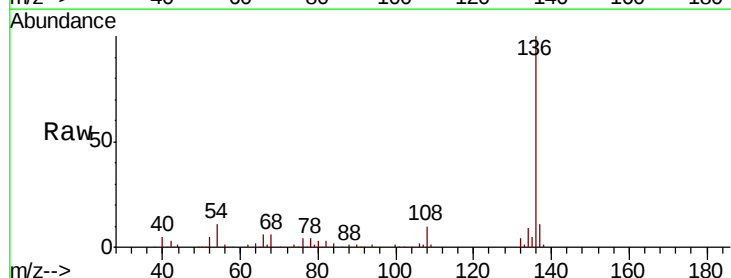
Ion Ratio Lower Upper

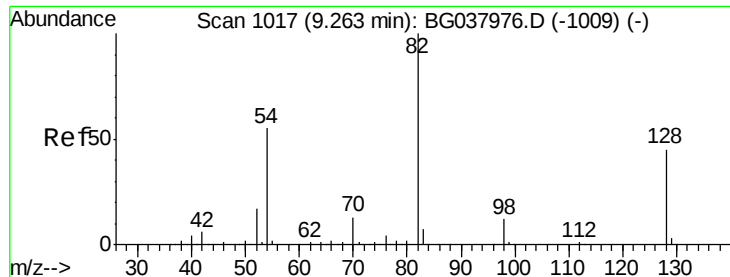
136 100

137 10.8 9.6 14.4

54 10.8 7.9 11.9

68 6.3 4.8 7.2

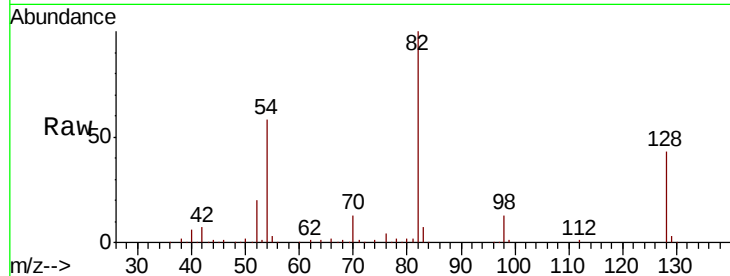




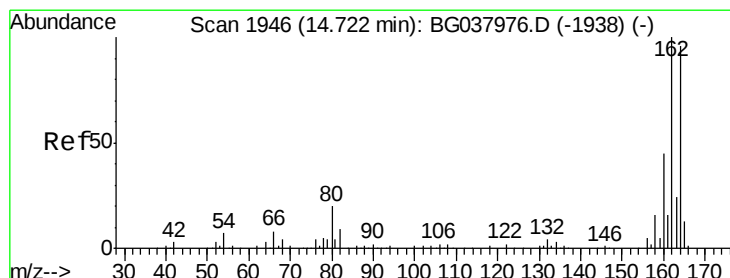
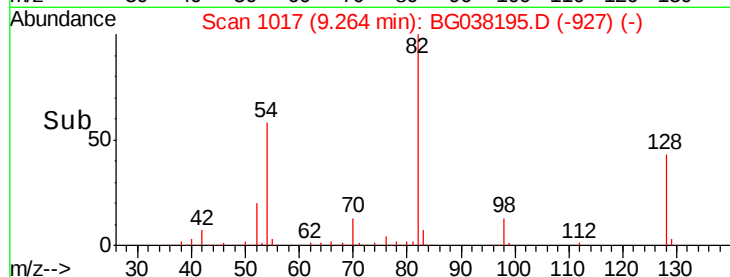
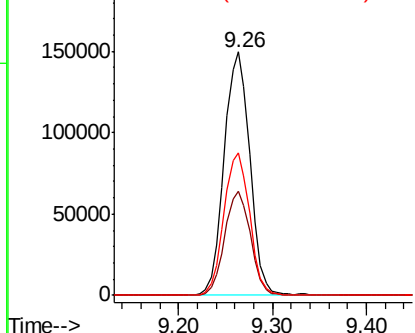
#23
Nitrobenzene-d5
Concen: 97.023 ng
RT: 9.26 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BG038195.D
Acq: 28 Nov 2018 10:44

Instrument :
BNA_G
ClientSampleID :

Tot Ion: 82 Resp: 285274
Ion Ratio Lower Upper
82 100
128 42.8 34.6 51.8
54 58.4 45.3 67.9

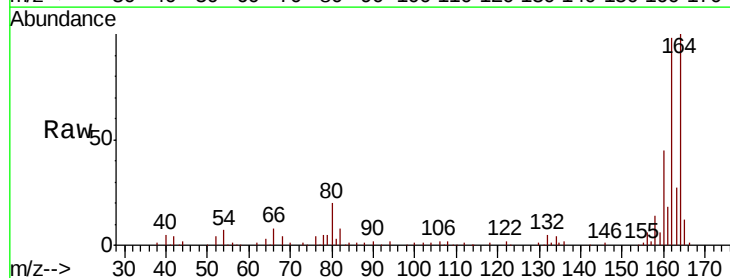


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

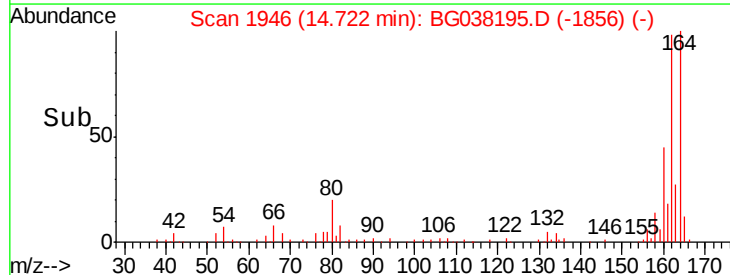
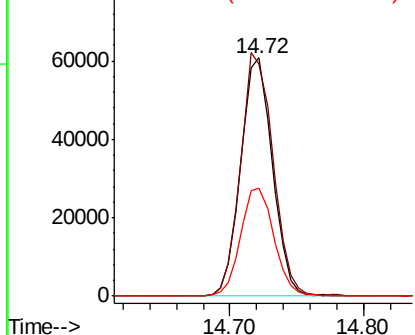


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1946
Delta R.T. 0.00 min
Lab File: BG038195.D
Acq: 28 Nov 2018 10:44

Tgt Ion:164 Resp: 99697
Ion Ratio Lower Upper
164 100
162 97.6 81.3 121.9
160 45.3 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: 84.798 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BG038195.D

Acq: 28 Nov 2018 10:44

Instrument :

BNA_G

ClientSampleId :

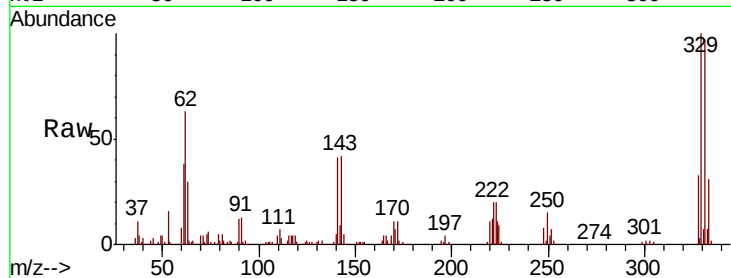
Tot Ion:330 Resp: 96417

Ion Ratio Lower Upper

330 100

332 98.7 78.4 117.6

141 42.8 32.2 48.2

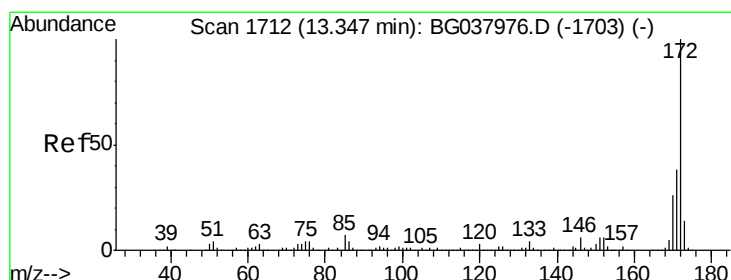
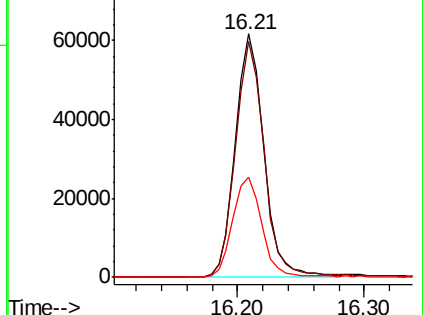
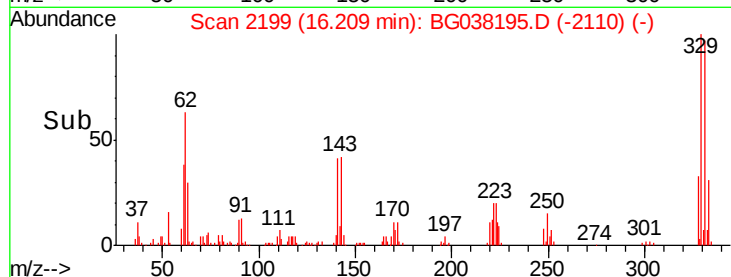


Abundance

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: 93.058 ng

RT: 13.34 min Scan# 1711

Delta R.T. -0.01 min

Lab File: BG038195.D

Acq: 28 Nov 2018 10:44

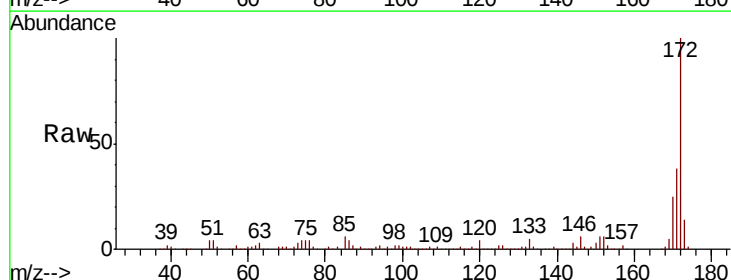
Tgt Ion:172 Resp: 636824

Ion Ratio Lower Upper

172 100

171 37.7 31.0 46.4

170 25.2 20.2 30.2

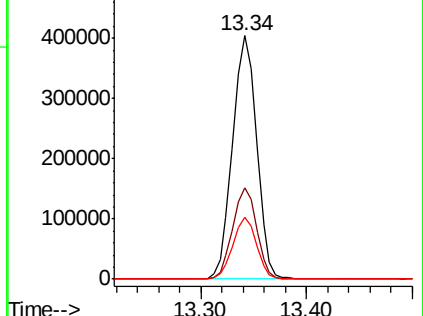
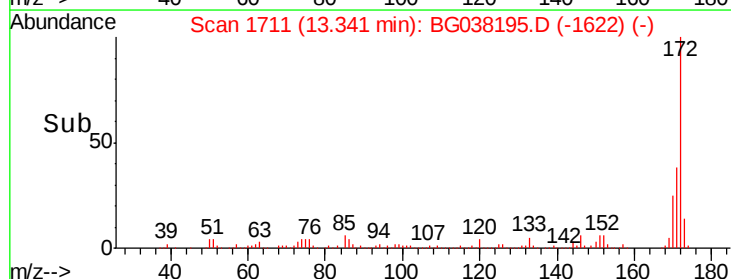


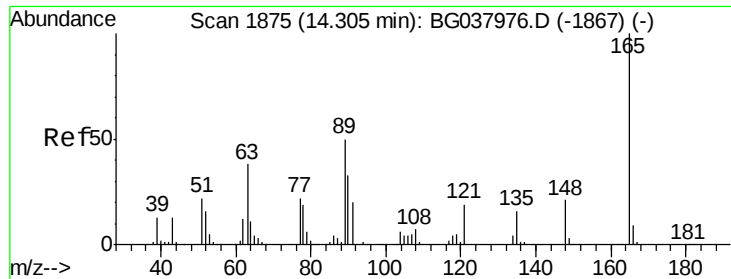
Abundance

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

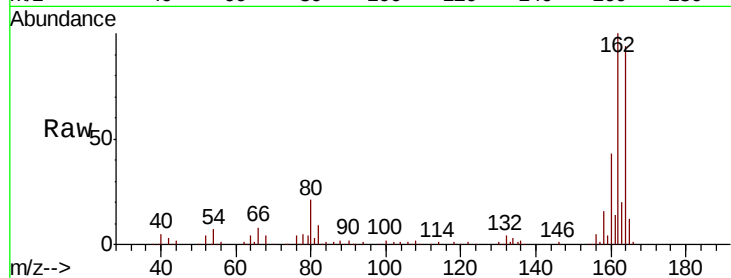




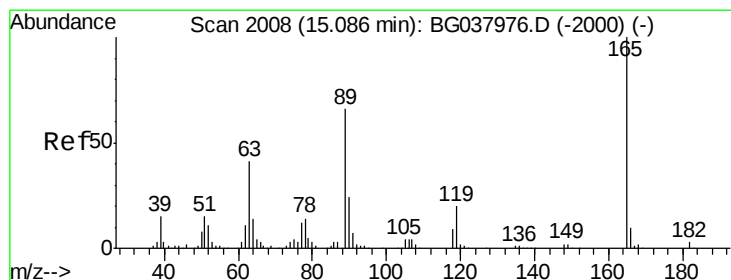
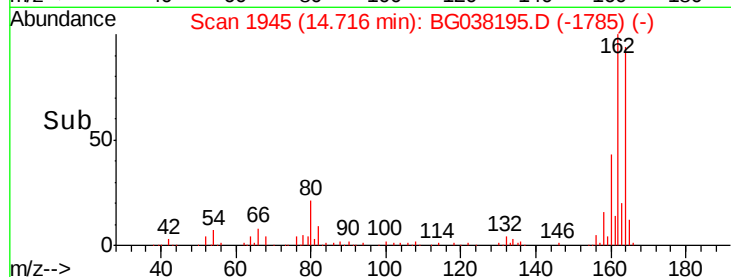
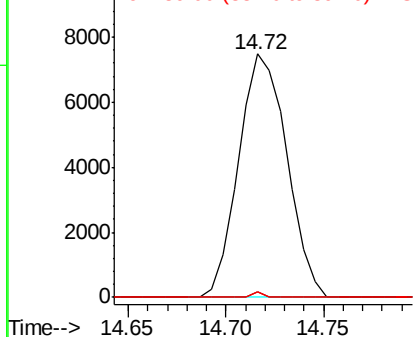
#51
 2,6-Dinitrotoluene
 Concen: 7.157 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. 0.41 min
 Lab File: BG038195.D
 Acq: 28 Nov 2018 10:44

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:165 Resp: 12803
 Ion Ratio Lower Upper
 165 100
 63 2.1 43.4 65.2#
 89 2.4 45.8 68.6#

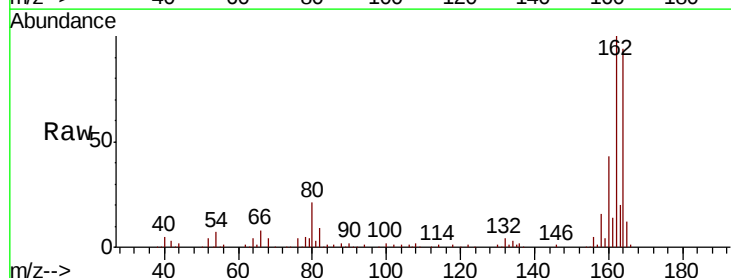


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

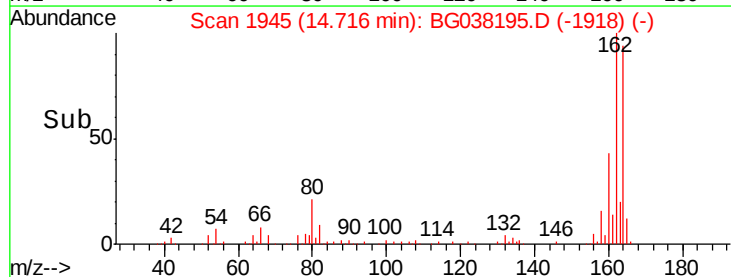
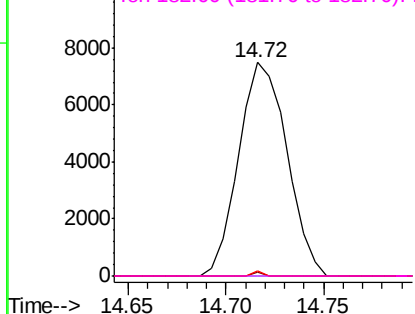


#57
 2,4-Dinitrotoluene
 Concen: 5.260 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. -0.37 min
 Lab File: BG038195.D
 Acq: 28 Nov 2018 10:44

Tgt Ion:165 Resp: 12803
 Ion Ratio Lower Upper
 165 100
 63 2.1 33.4 50.0#
 89 2.4 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: BG038195.D

Acq: 28 Nov 2018 10:44

Instrument :

BNA_G

ClientSampleId :

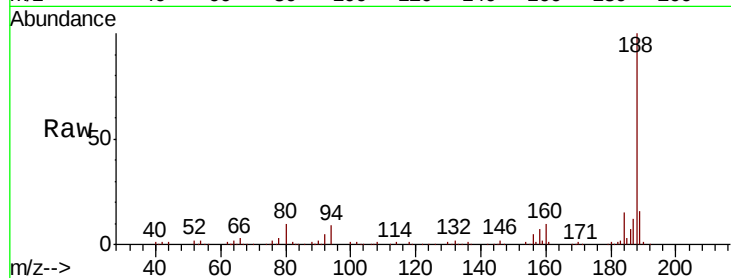
Tot Ion:188 Resp: 223652

Ion Ratio Lower Upper

188 100

94 8.9 7.2 10.8

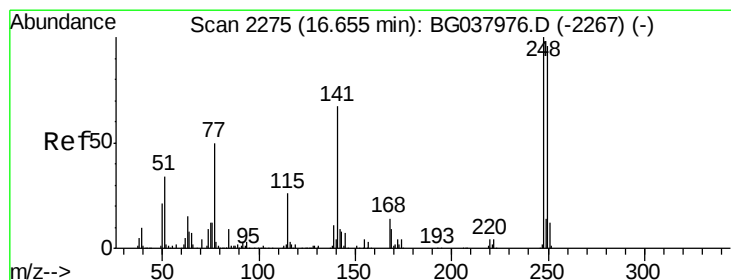
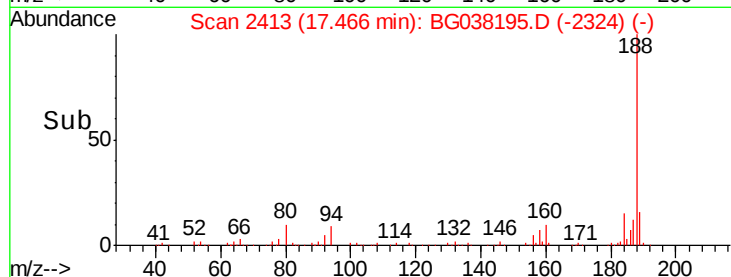
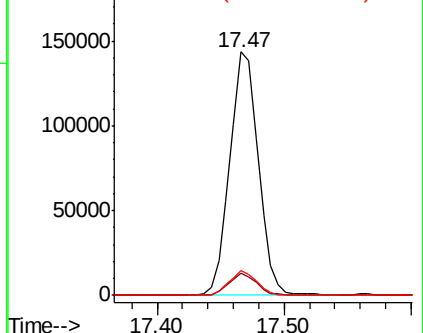
80 10.0 7.7 11.5



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: 2.654 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.45 min

Lab File: BG038195.D

Acq: 28 Nov 2018 10:44

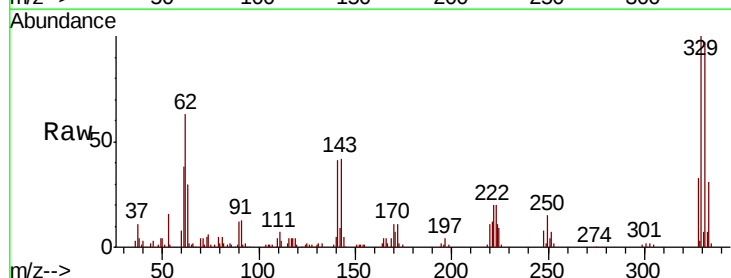
Tgt Ion:248 Resp: 6515

Ion Ratio Lower Upper

248 100

250 189.6 77.0 115.6#

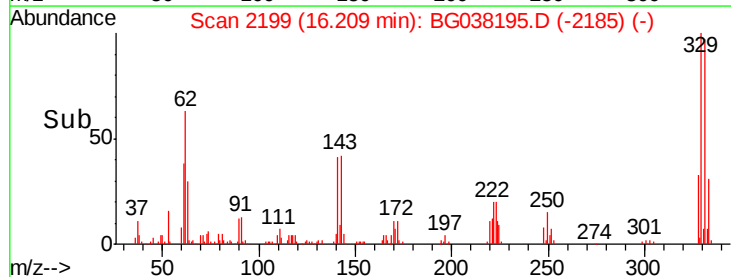
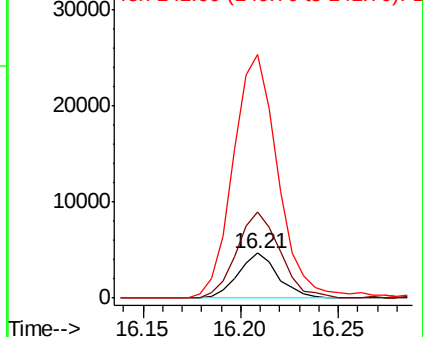
141 426.7 55.5 83.3#



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

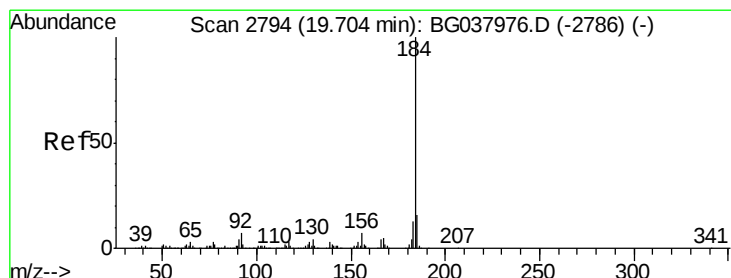
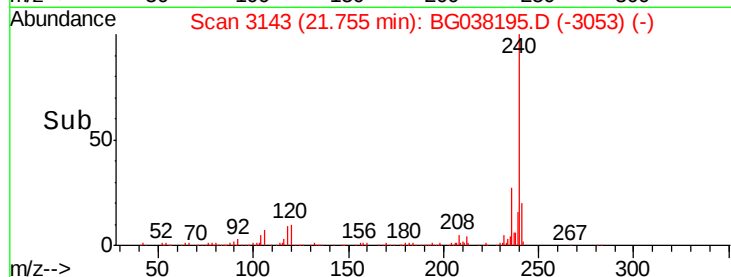
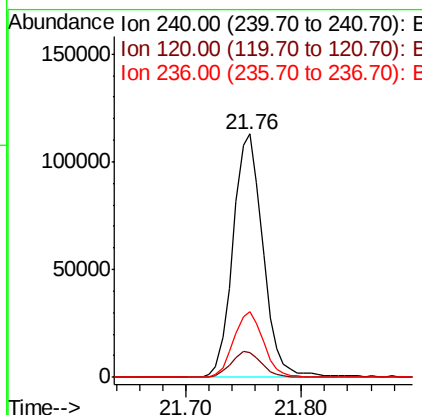
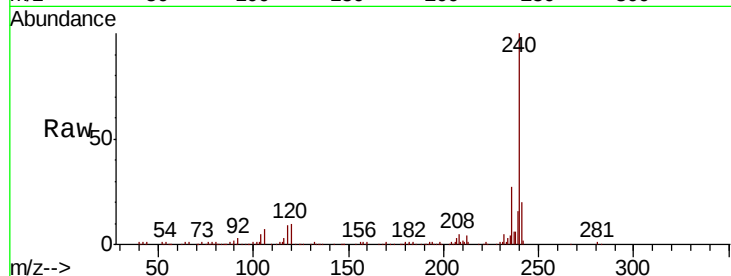




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3143
Delta R.T. 0.00 min
Lab File: BG038195.D
Acq: 28 Nov 2018 10:44

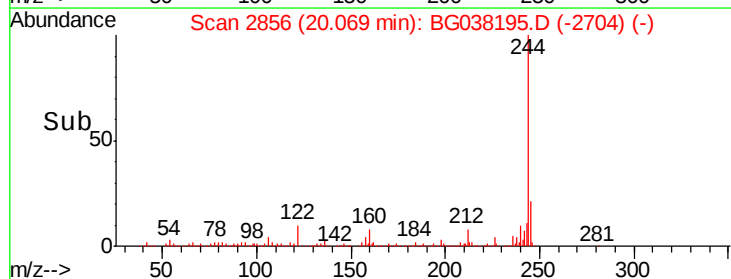
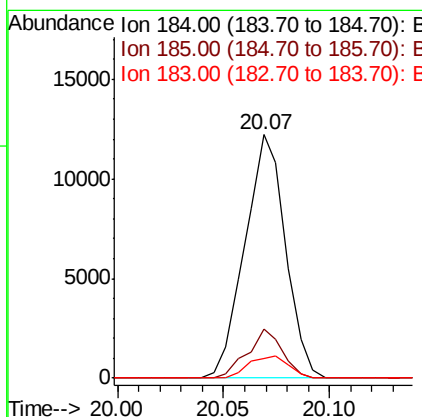
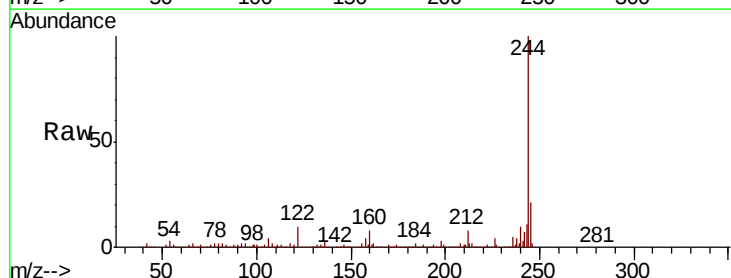
Instrument :
BNA_G
ClientSampled :

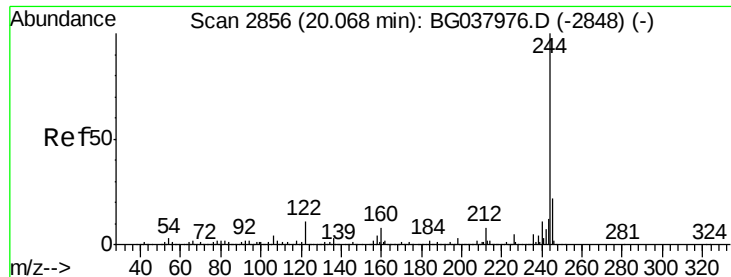
Tot Ion:240 Resp: 203247
Ion Ratio Lower Upper
240 100
120 10.1 8.1 12.1
236 26.8 21.4 32.0



#77
Benzidine
Concen: 2.283 ng
RT: 20.07 min Scan# 2856
Delta R.T. 0.36 min
Lab File: BG038195.D
Acq: 28 Nov 2018 10:44

Tgt Ion:184 Resp: 16285
Ion Ratio Lower Upper
184 100
185 20.3 12.6 18.8#
183 7.9 10.2 15.2#





#79

Terphenyl-d14

Concen: 110.639 ng

RT: 20.07 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG038195.D

Acq: 28 Nov 2018 10:44

Instrument :

BNA_G

ClientSampled :

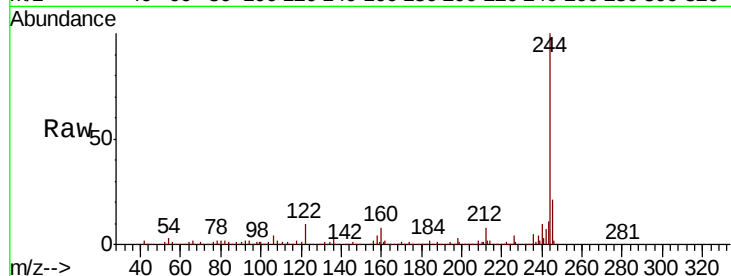
Tot Ion:244 Resp: 955668

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

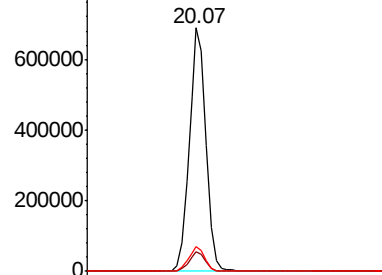
122 10.3 9.0 13.4



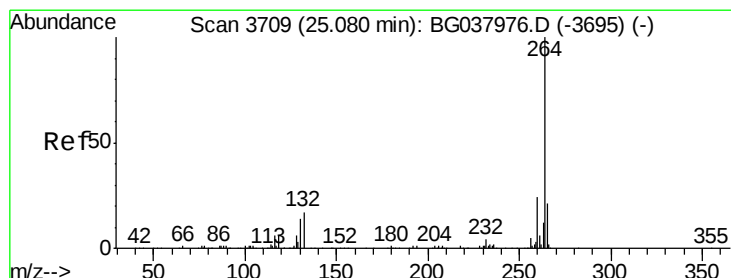
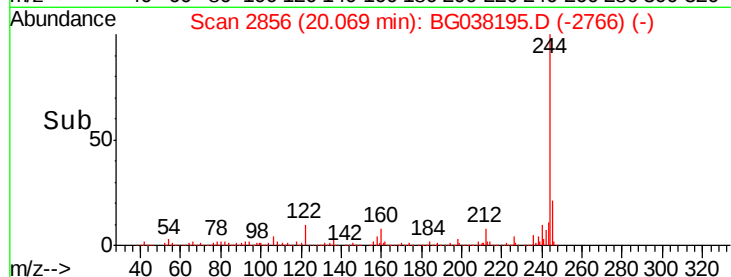
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.08 min Scan# 3709

Delta R.T. 0.00 min

Lab File: BG038195.D

Acq: 28 Nov 2018 10:44

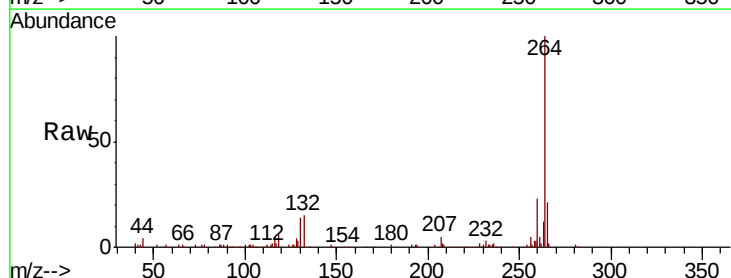
Tgt Ion:264 Resp: 199697

Ion Ratio Lower Upper

264 100

260 22.6 18.2 27.4

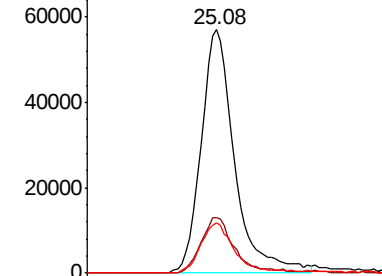
265 20.5 17.9 26.9



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



Time-->

