

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112618\
 Data File : BG038164.D
 Acq On : 27 Nov 2018 10:52
 Operator : JU/SJ
 Sample : J6061-11
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 27 11:39:28 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

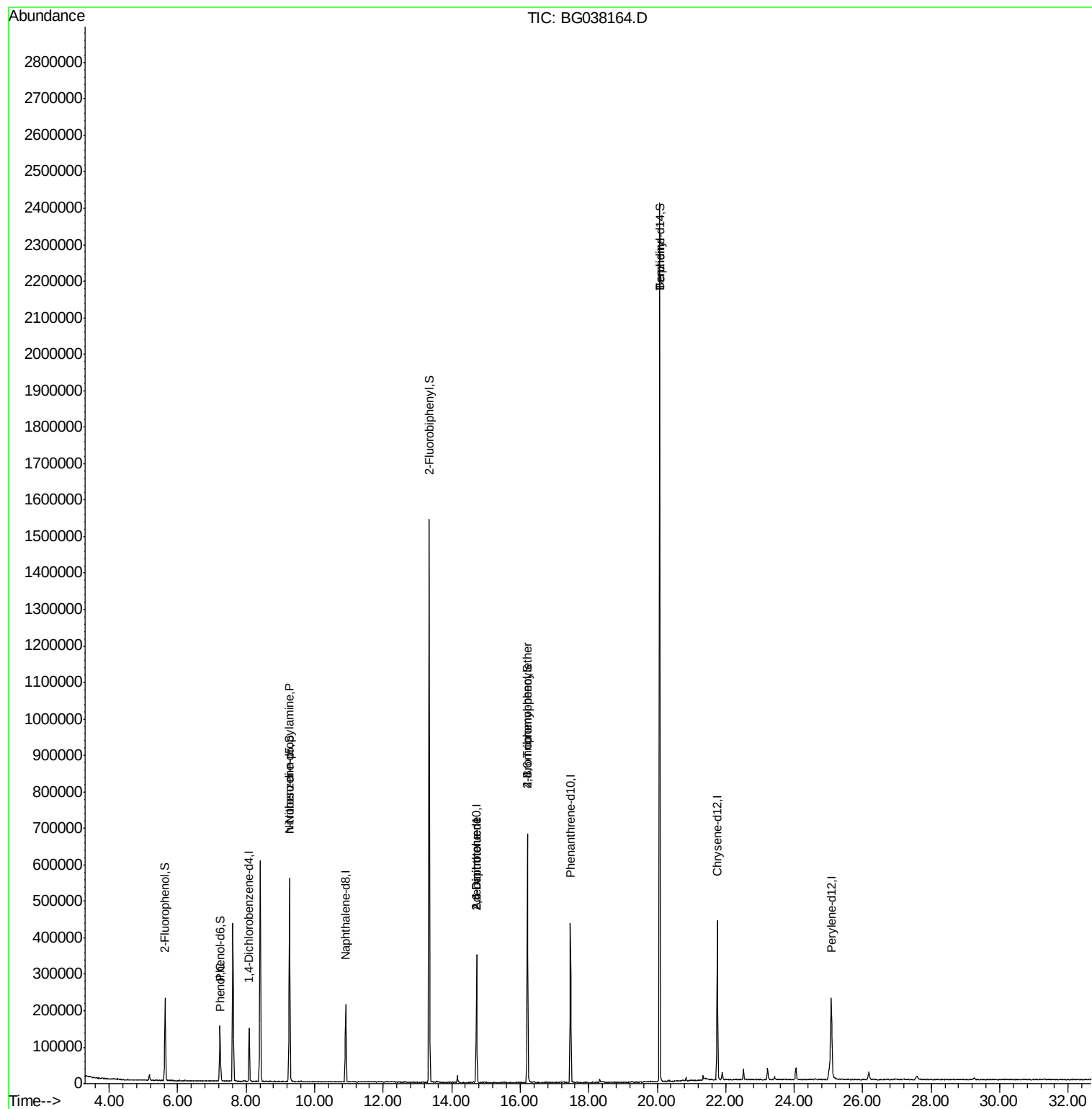
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	42811	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	193587	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	124272	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	279334	20.00	ng	0.00
76) Chrysene-d12	21.76	240	263506	20.00	ng	0.00
87) Perylene-d12	25.08	264	266078	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	107149	43.21	ng	0.00
7) Phenol-d6	7.23	99	92303	26.08	ng	0.00
23) Nitrobenzene-d5	9.27	82	350701	96.98	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	122673	86.55	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	792892	92.95	ng	0.00
79) Terphenyl-d14	20.07	244	1140593	101.85	ng	0.00
Target Compounds						
10) Phenol	7.26	94	14194	3.786	ng	92
19) n-Nitroso-di-n-propylamine	9.27	70	45141	17.626	ng	# 77
51) 2,6-Dinitrotoluene	14.72	165	16095	7.218	ng	# 23
57) 2,4-Dinitrotoluene	14.72	165	16095	5.305	ng	# 23
67) 4-Bromophenyl-phenylether	16.21	248	9070	2.958	ng	# 1
77) Benzidine	20.07	184	20966	2.268	ng	# 95

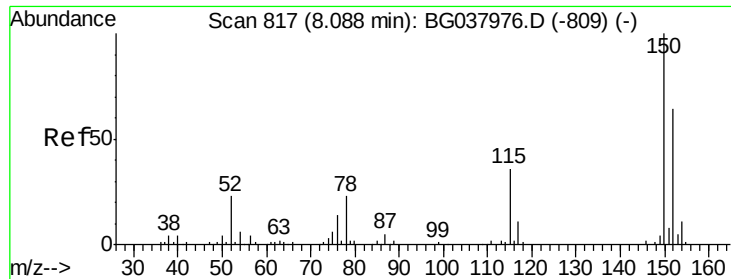
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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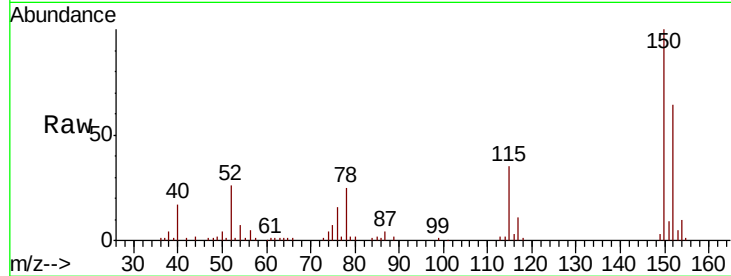


#1

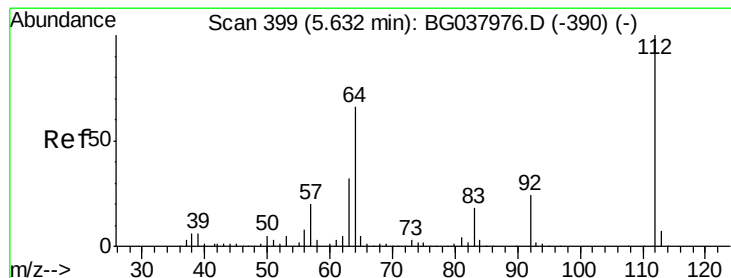
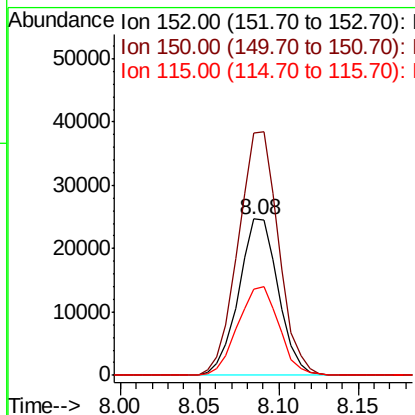
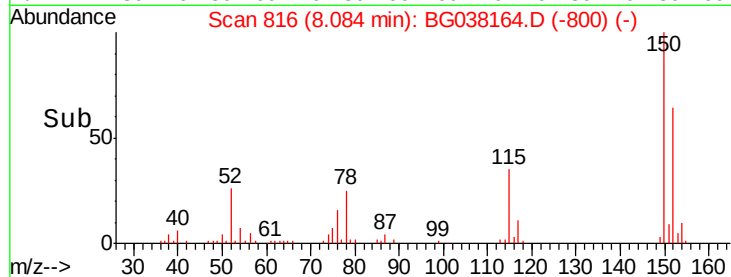
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.08 min Scan# 816
 Delta R.T. -0.00 min
 Lab File: BG038164.D
 Acq: 27 Nov 2018 10:52

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:152 Resp: 42811
 Ion Ratio Lower Upper
 152 100
 150 155.1 126.0 189.0
 115 54.9 45.5 68.3



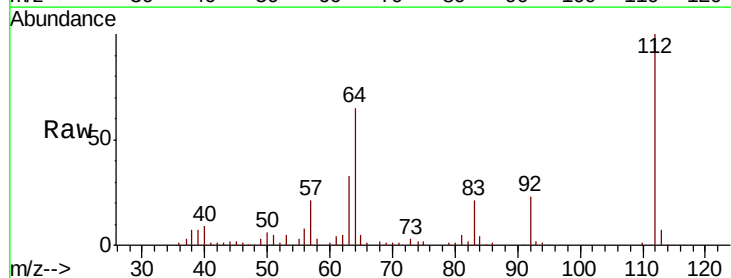
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



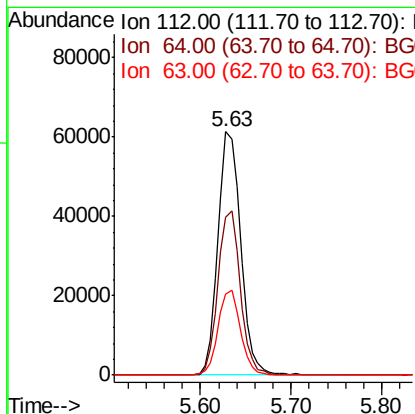
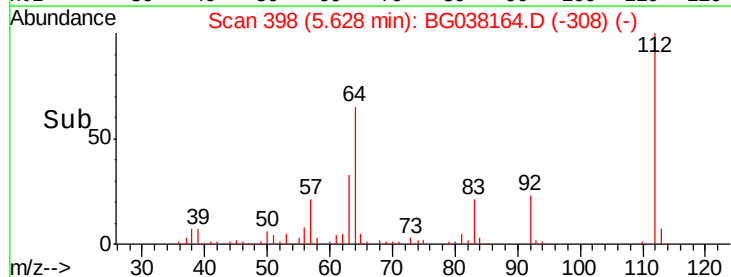
#5

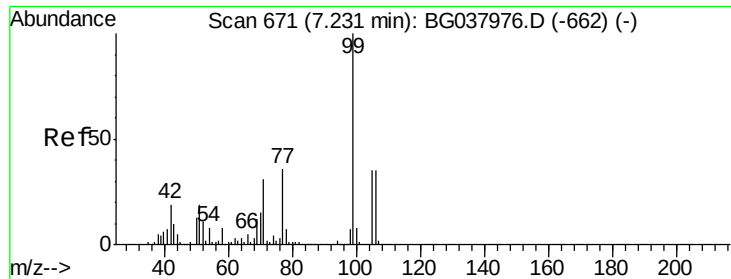
2-Fluorophenol
 Concen: 43.213 ng
 RT: 5.63 min Scan# 398
 Delta R.T. -0.00 min
 Lab File: BG038164.D
 Acq: 27 Nov 2018 10:52

Tgt Ion:112 Resp: 107149
 Ion Ratio Lower Upper
 112 100
 64 64.7 53.1 79.7
 63 33.2 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: 26.079 ng

RT: 7.23 min Scan# 671

Delta R.T. 0.00 min

Lab File: BG038164.D

Acq: 27 Nov 2018 10:52

Instrument :

BNA_G

ClientSampleId :

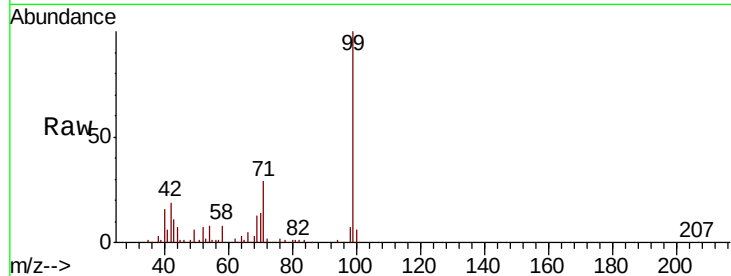
Tot Ion: 99 Resp: 92303

Ion Ratio Lower Upper

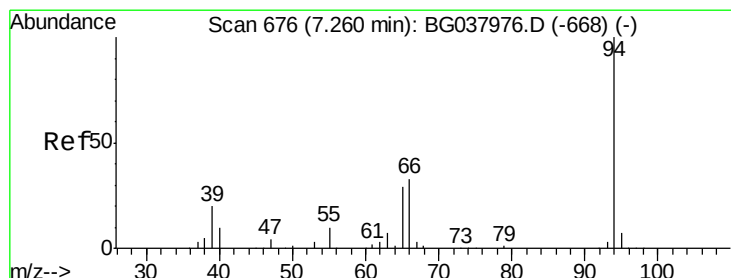
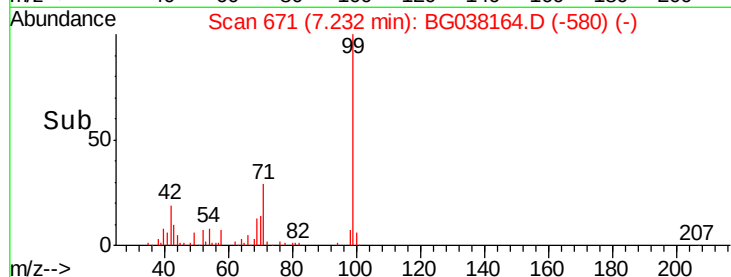
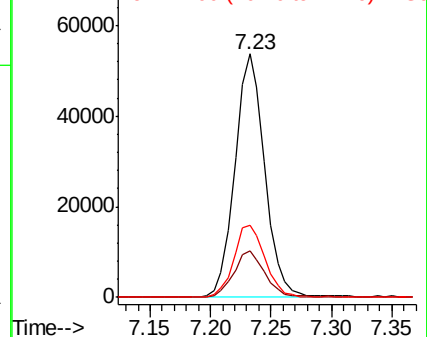
99 100

42 19.1 15.0 22.4

71 29.4 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: 3.786 ng

RT: 7.26 min Scan# 675

Delta R.T. -0.00 min

Lab File: BG038164.D

Acq: 27 Nov 2018 10:52

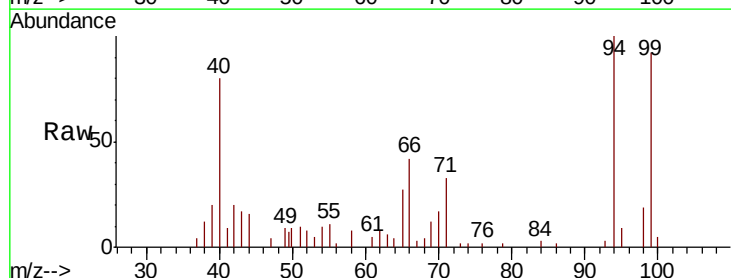
Tgt Ion: 94 Resp: 14194

Ion Ratio Lower Upper

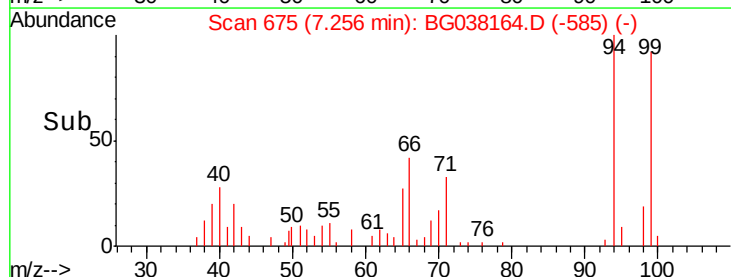
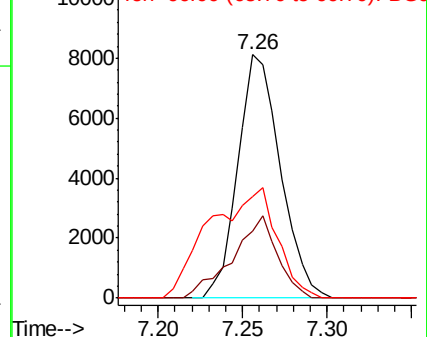
94 100

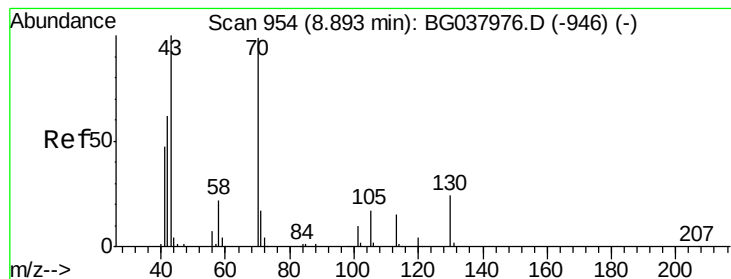
65 27.3 9.7 49.7

66 41.9 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: 17.626 ng

RT: 9.27 min Scan# 1017

Delta R.T. 0.37 min

Lab File: BG038164.D

Acq: 27 Nov 2018 10:52

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 45141

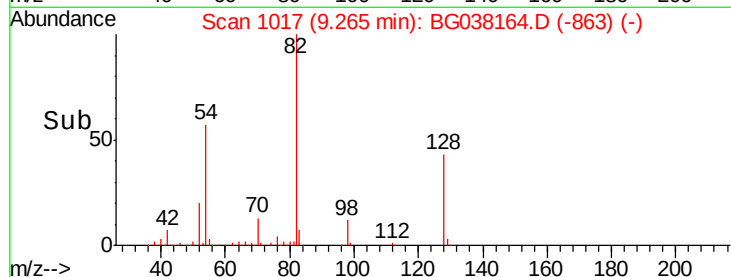
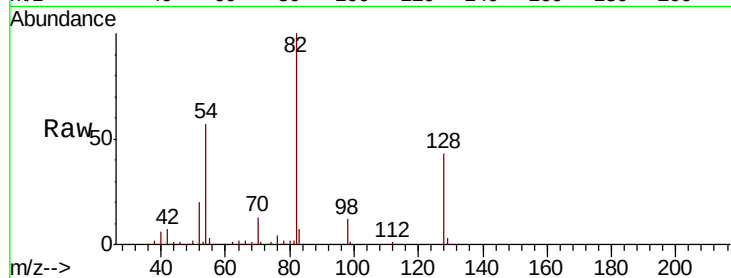
Ion Ratio Lower Upper

70 100

42 54.5 53.9 80.9

101 0.0 8.2 12.2#

130 2.0 18.2 27.4#

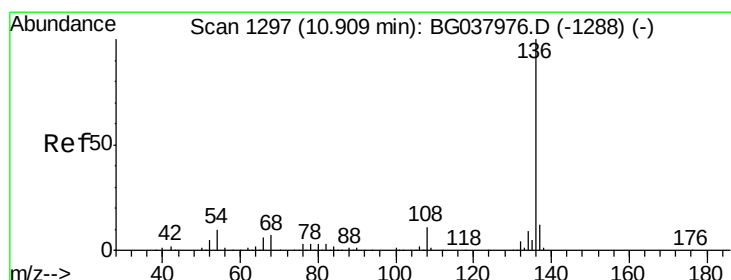
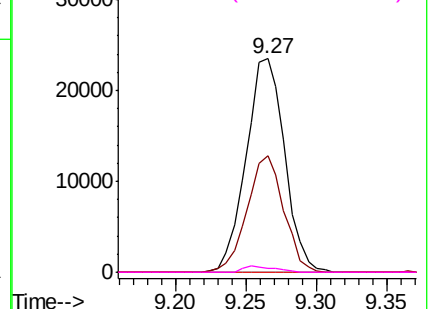


Abundance Ion 70.00 (69.70 to 70.70): BGC

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. -0.00 min

Lab File: BG038164.D

Acq: 27 Nov 2018 10:52

Tgt Ion: 136 Resp: 193587

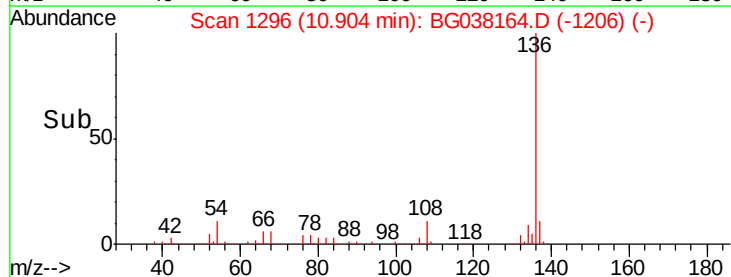
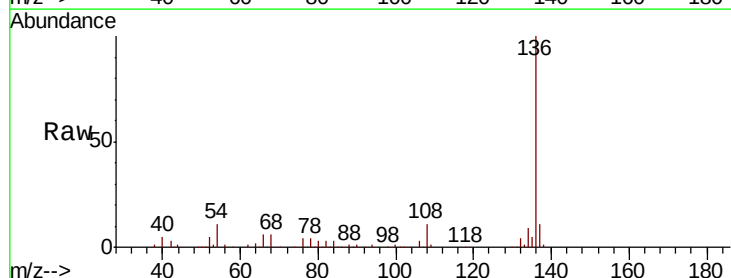
Ion Ratio Lower Upper

136 100

137 11.4 9.6 14.4

54 10.7 7.9 11.9

68 6.5 4.8 7.2

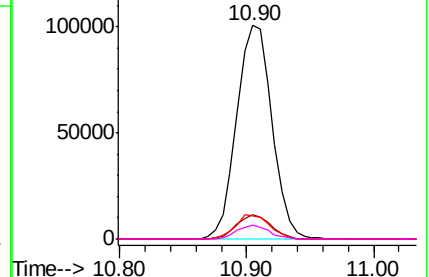


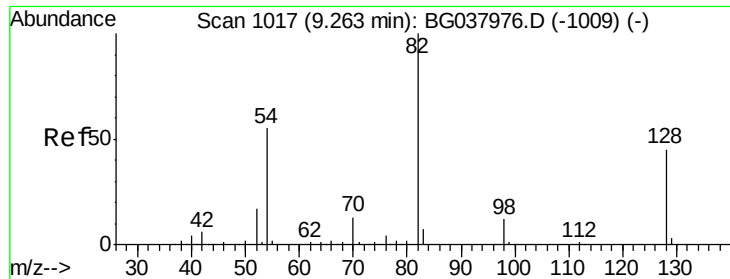
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

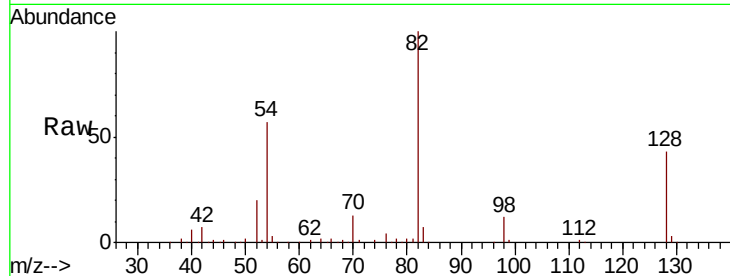




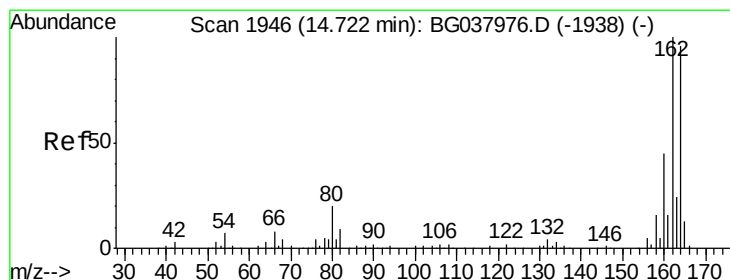
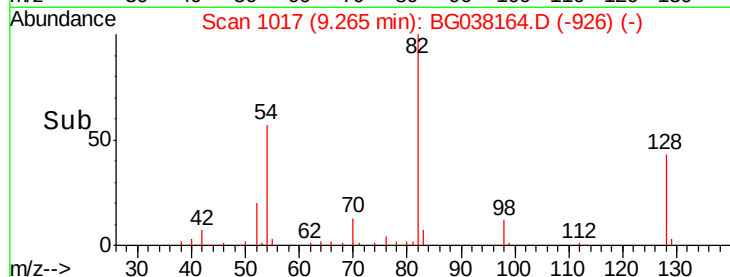
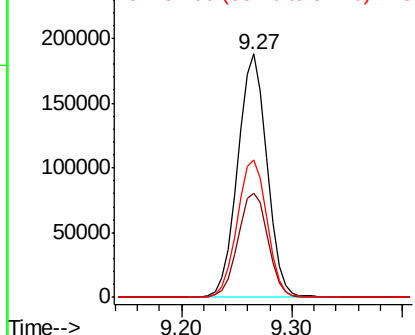
#23
 Nitrobenzene-d5
 Concen: 96.975 ng
 RT: 9.27 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: BG038164.D
 Acq: 27 Nov 2018 10:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 350701
 Ion Ratio Lower Upper
 82 100
 128 42.6 34.6 51.8
 54 56.7 45.3 67.9

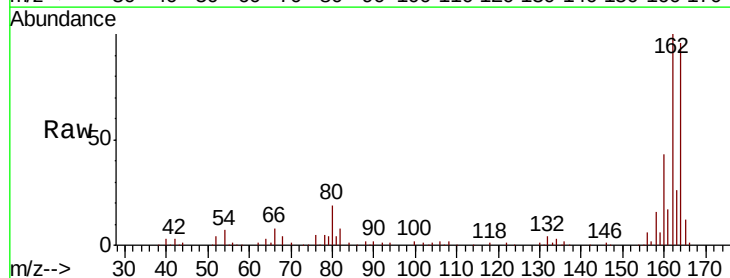


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

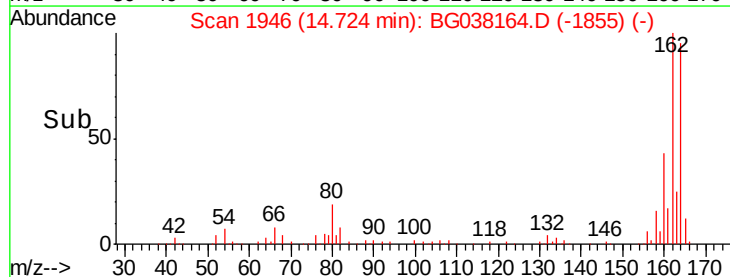
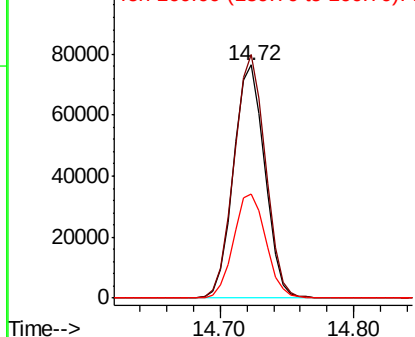


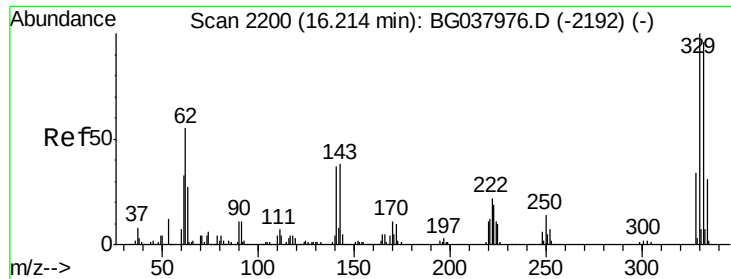
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: BG038164.D
 Acq: 27 Nov 2018 10:52

Tgt Ion:164 Resp: 124272
 Ion Ratio Lower Upper
 164 100
 162 104.5 81.3 121.9
 160 44.9 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: 86.554 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BG038164.D

Acq: 27 Nov 2018 10:52

Instrument :

BNA_G

ClientSampleId :

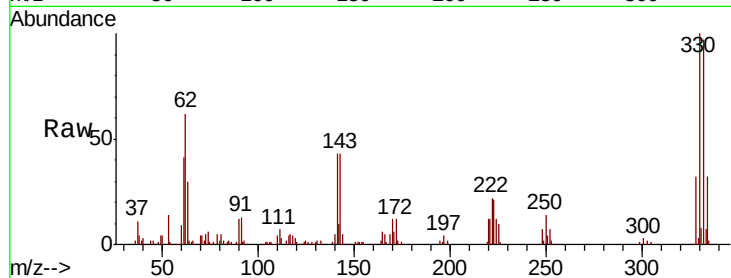
Tot Ion:330 Resp: 122673

Ion Ratio Lower Upper

330 100

332 97.0 78.4 117.6

141 42.6 32.2 48.2

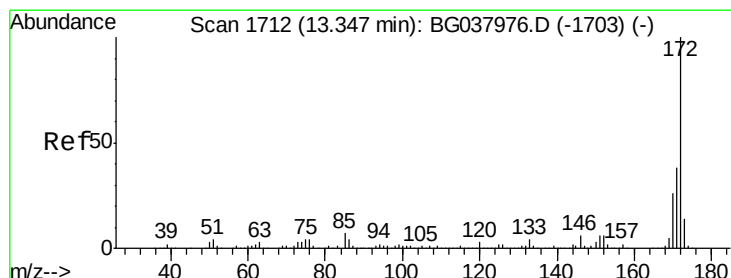
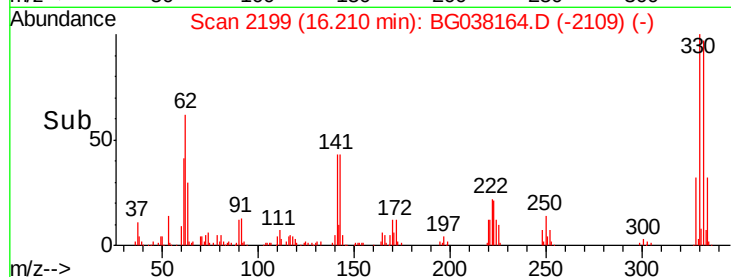
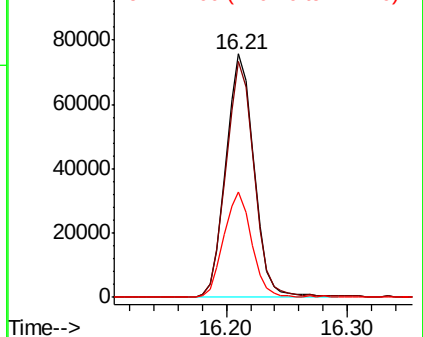


Abundance

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: 92.951 ng

RT: 13.34 min Scan# 1711

Delta R.T. -0.00 min

Lab File: BG038164.D

Acq: 27 Nov 2018 10:52

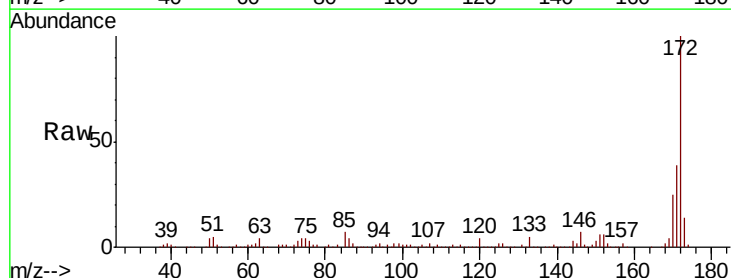
Tgt Ion:172 Resp: 792892

Ion Ratio Lower Upper

172 100

171 38.7 31.0 46.4

170 25.3 20.2 30.2

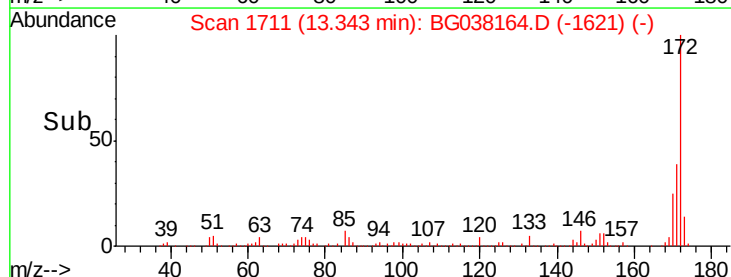
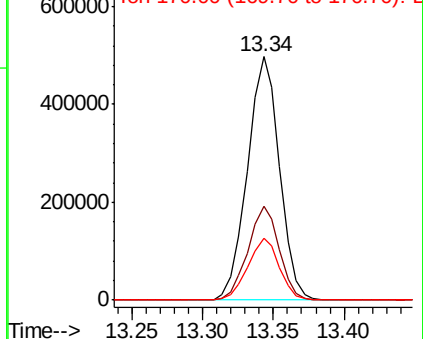


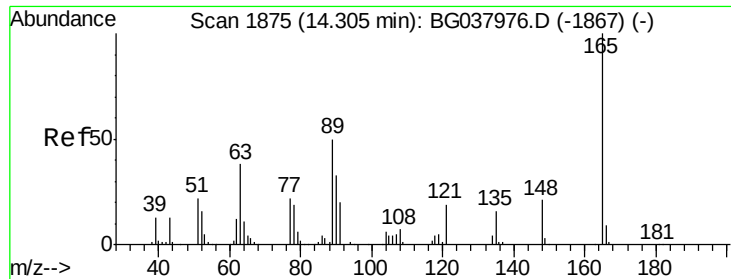
Abundance

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: 7.218 ng

RT: 14.72 min Scan# 1945

Delta R.T. 0.41 min

Lab File: BG038164.D

Acq: 27 Nov 2018 10:52

Instrument :

BNA_G

ClientSampled :

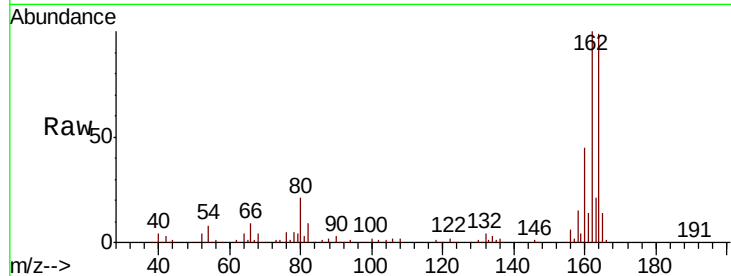
Tot Ion:165 Resp: 16095

Ion Ratio Lower Upper

165 100

63 0.0 43.4 65.2#

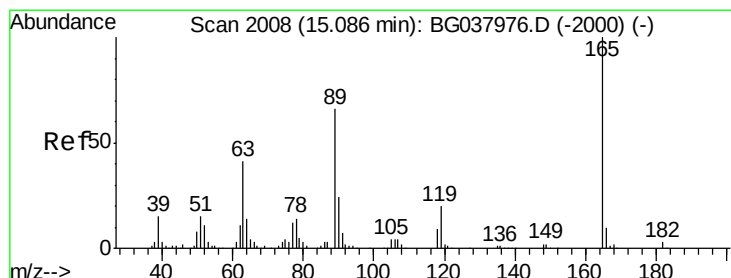
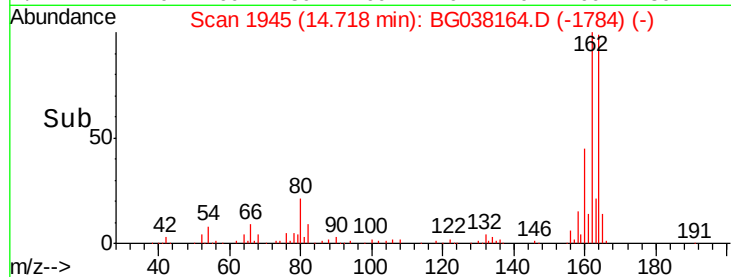
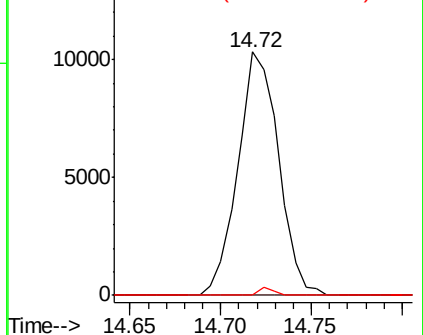
89 0.0 45.8 68.6#



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: 5.305 ng

RT: 14.72 min Scan# 1945

Delta R.T. -0.37 min

Lab File: BG038164.D

Acq: 27 Nov 2018 10:52

Tgt Ion:165 Resp: 16095

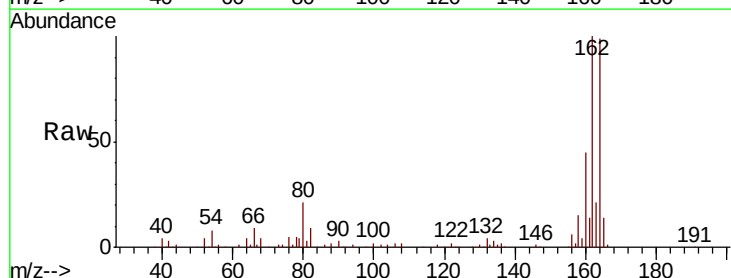
Ion Ratio Lower Upper

165 100

63 0.0 33.4 50.0#

89 0.0 57.2 85.8#

182 0.0 2.6 4.0#

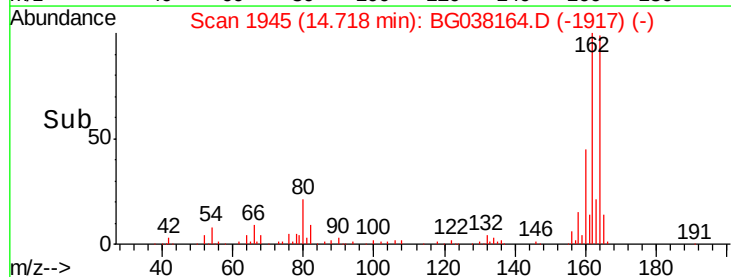
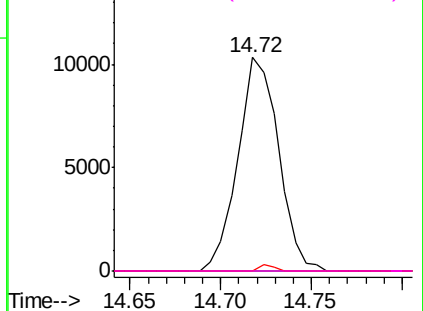


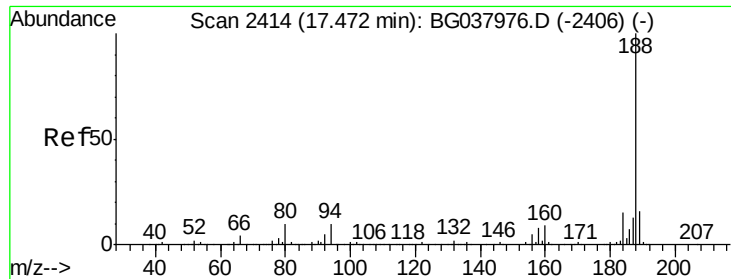
Abundance Ion 165.00 (164.70 to 165.70): E

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

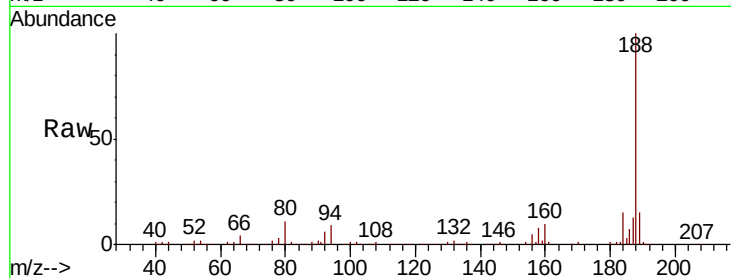




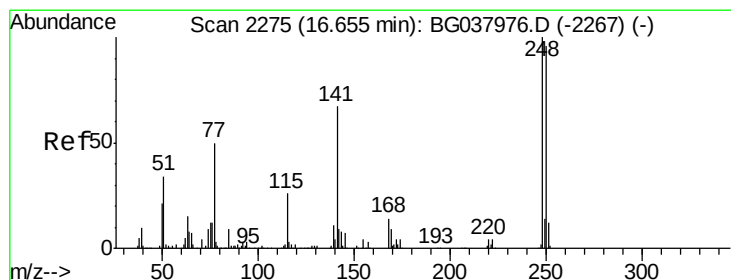
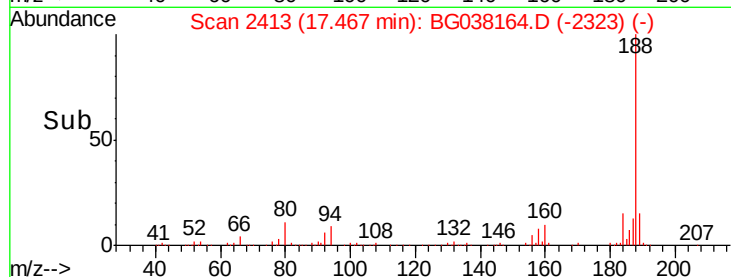
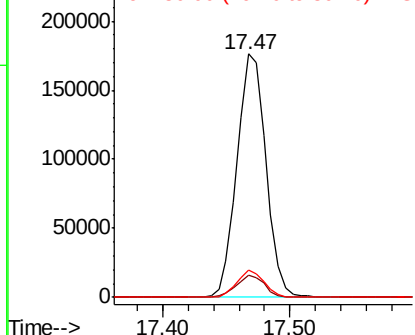
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.47 min Scan# 2413
Delta R.T. -0.00 min
Lab File: BG038164.D
Acq: 27 Nov 2018 10:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 279334
Ion Ratio Lower Upper
188 100
94 8.9 7.2 10.8
80 11.4 7.7 11.5

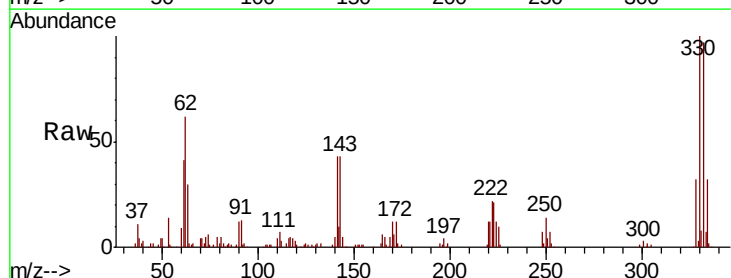


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

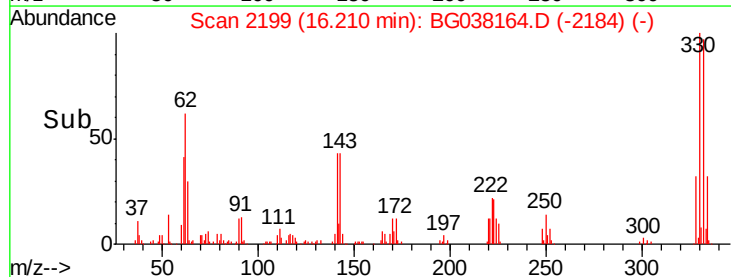
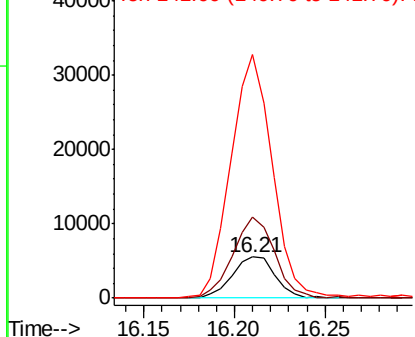


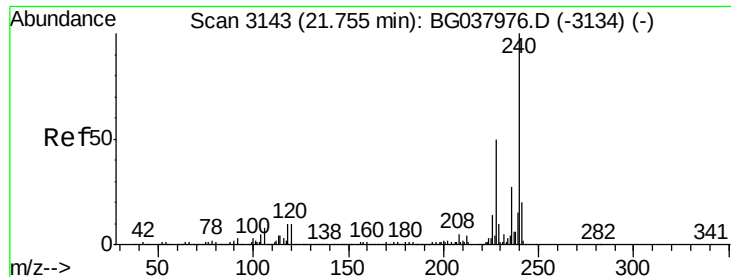
#67
4-Bromophenyl-phenylether
Concen: 2.958 ng
RT: 16.21 min Scan# 2199
Delta R.T. -0.44 min
Lab File: BG038164.D
Acq: 27 Nov 2018 10:52

Tgt Ion:248 Resp: 9070
Ion Ratio Lower Upper
248 100
250 193.4 77.0 115.6#
141 447.3 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

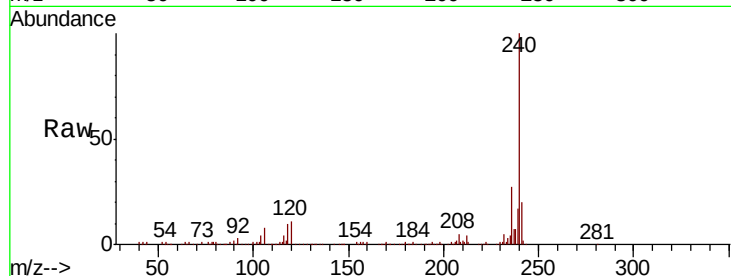




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3143
Delta R.T. 0.00 min
Lab File: BG038164.D
Acq: 27 Nov 2018 10:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.1	12.1
236	27.2	21.4	32.0

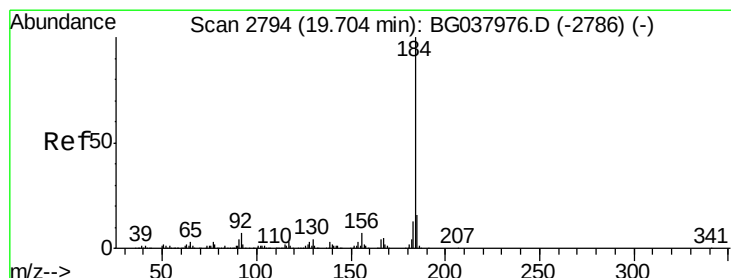
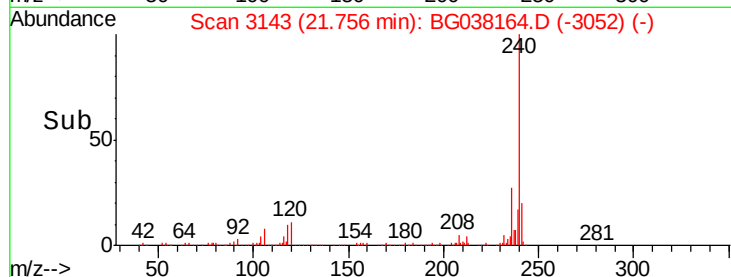
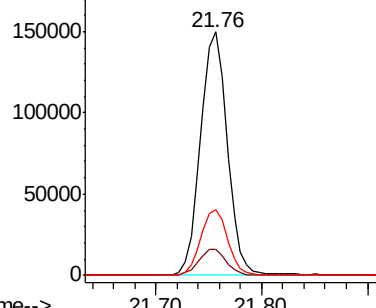


Abundance

Ion 240.00 (239.70 to 240.70): E

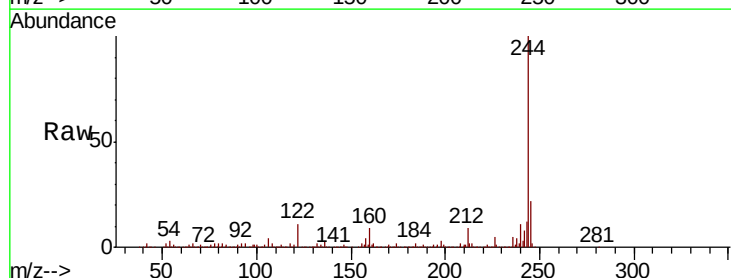
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77
Benzidine
Concen: 2.268 ng
RT: 20.07 min Scan# 2856
Delta R.T. 0.37 min
Lab File: BG038164.D
Acq: 27 Nov 2018 10:52

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.8	12.6	18.8
183	9.6	10.2	15.2#

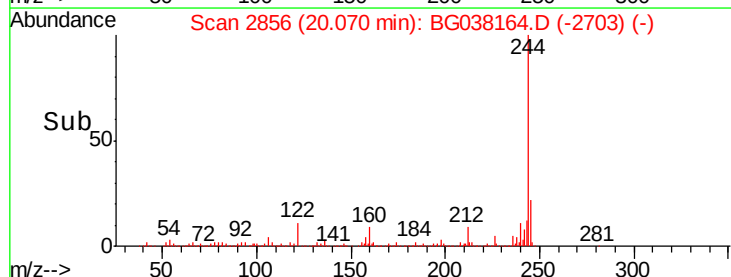
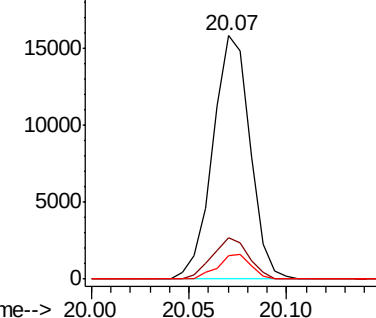


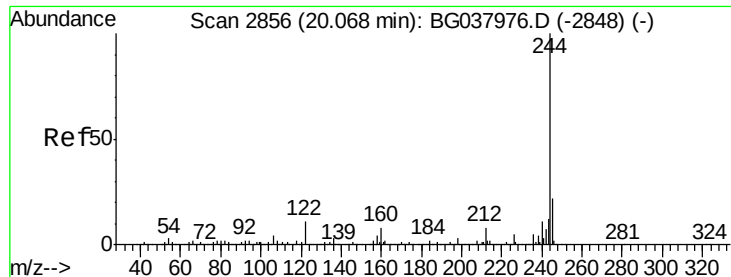
Abundance

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: 101.851 ng

RT: 20.07 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG038164.D

Acq: 27 Nov 2018 10:52

Instrument :

BNA_G

ClientSampleId :

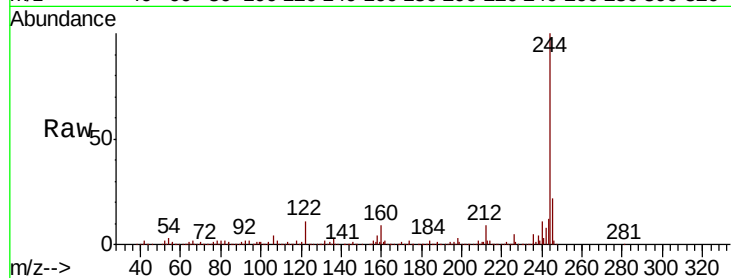
Tot Ion:244 Resp: 1140593

Ion Ratio Lower Upper

244 100

212 8.7 6.5 9.7

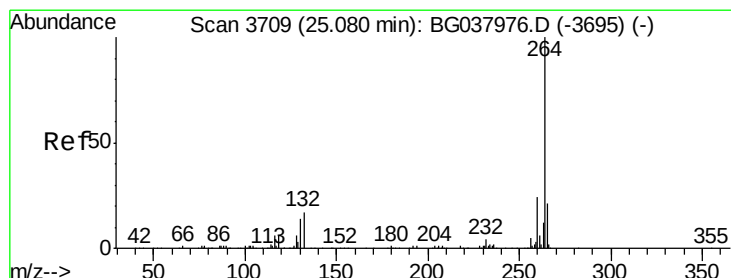
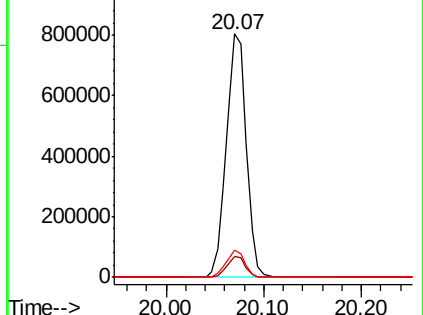
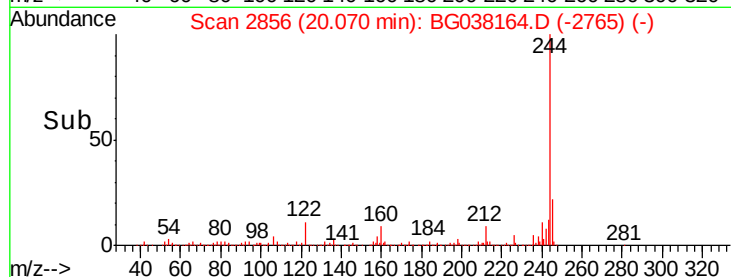
122 11.0 9.0 13.4



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# 3709

Delta R.T. 0.00 min

Lab File: BG038164.D

Acq: 27 Nov 2018 10:52

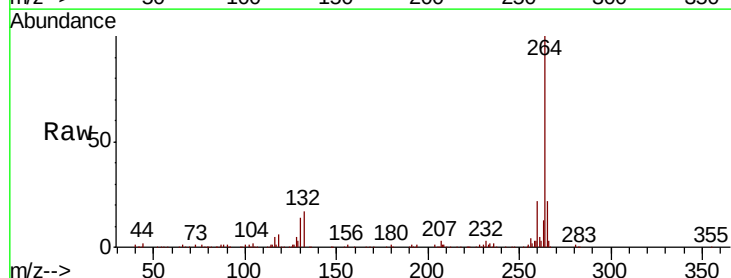
Tgt Ion:264 Resp: 266078

Ion Ratio Lower Upper

264 100

260 21.5 18.2 27.4

265 21.9 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

