

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121618\
 Data File : BG038646.D
 Acq On : 16 Dec 2018 18:45
 Operator : JU/SJ
 Sample : J6391-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 17 05:51:49 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	22184	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	91762	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	60486	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	144578	20.00	ng	0.00
76) Chrysene-d12	21.72	240	147419	20.00	ng	0.00
87) Perylene-d12	25.01	264	155968	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	204668	163.64	ng	0.00
7) Phenol-d6	7.21	99	279833	162.97	ng	0.00
23) Nitrobenzene-d5	9.24	82	183208	102.00	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	121782	146.09	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	410872	93.19	ng	0.00
79) Terphenyl-d14	20.04	244	655212	96.73	ng	0.00

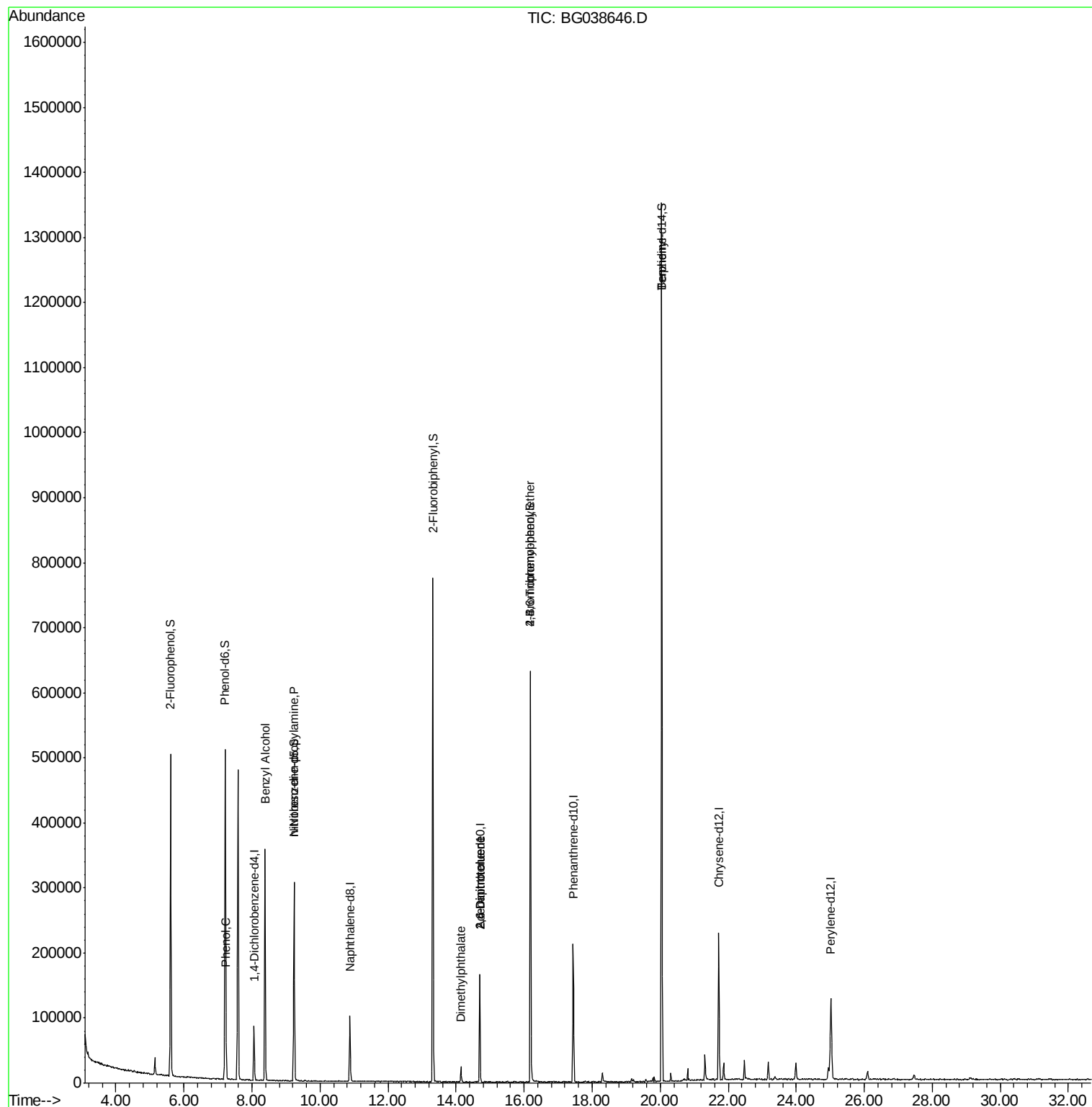
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.24	94	14614	8.011	ng	96
15) Benzyl Alcohol	8.38	79	2751	2.053	ng	# 51
19) n-Nitroso-di-n-propylamine	9.23	70	25112	20.823	ng	# 69
50) Dimethylphthalate	14.15	163	18908	3.828	ng	99
51) 2,6-Dinitrotoluene	14.70	165	7543	6.739	ng	# 19
57) 2,4-Dinitrotoluene	14.70	165	7543	4.784	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	8108	4.592	ng	# 1
77) Benzidine	20.04	184	12168	2.791	ng	97

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

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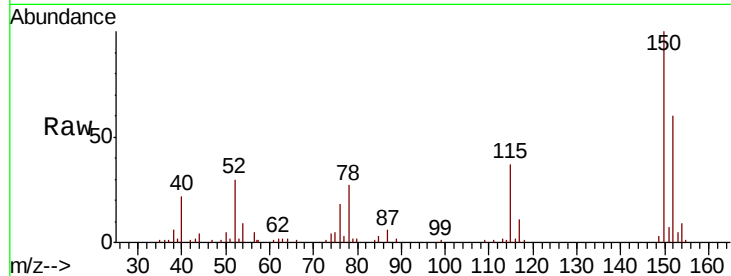


#1

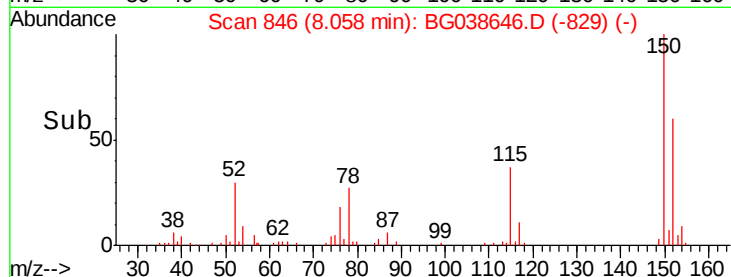
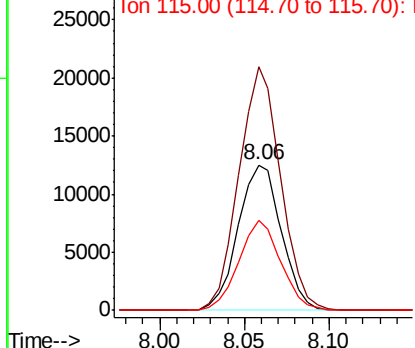
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038646.D
Acq: 16 Dec 2018 18:45

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 22184
Ion Ratio Lower Upper
152 100
150 167.7 119.5 179.3
115 61.9 49.6 74.4



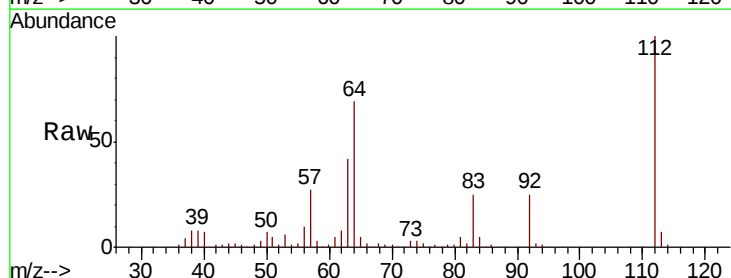
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



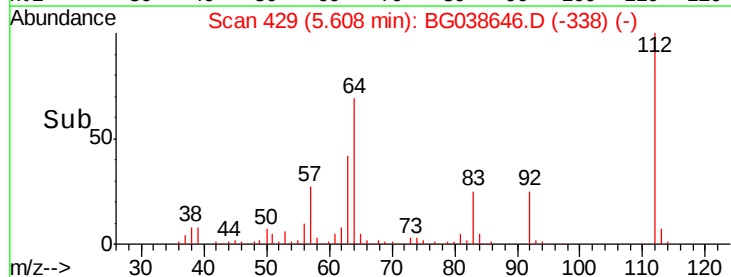
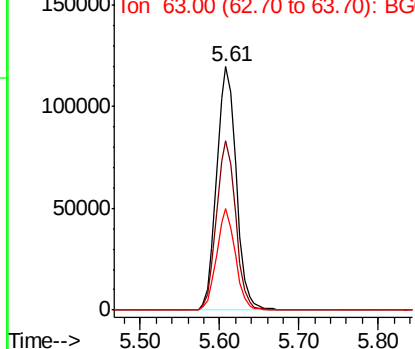
#5

2-Fluorophenol
Concen: 163.636 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038646.D
Acq: 16 Dec 2018 18:45

Tgt Ion:112 Resp: 204668
Ion Ratio Lower Upper
112 100
64 69.5 53.4 80.2
63 41.6 29.3 43.9



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: 162.974 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038646.D

Acq: 16 Dec 2018 18:45

Instrument :

BNA_G

ClientSampleId :

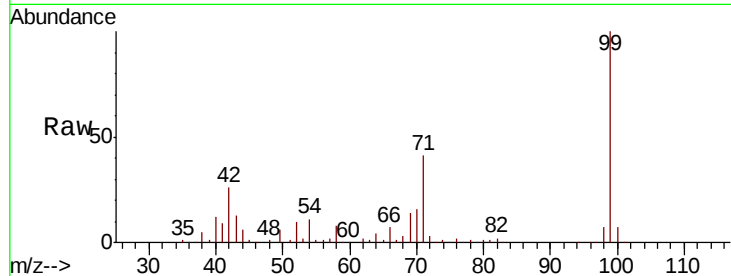
Tot Ion: 99 Resp: 279833

Ion Ratio Lower Upper

99 100

42 25.6 18.5 27.7

71 41.1 31.1 46.7

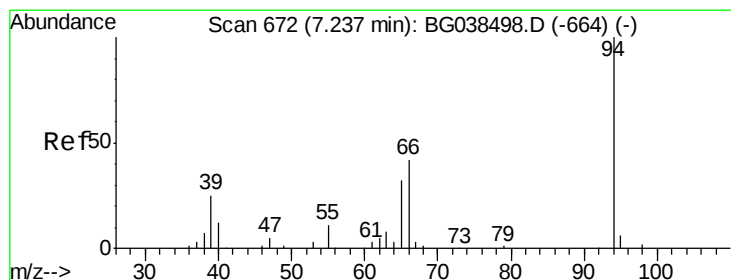
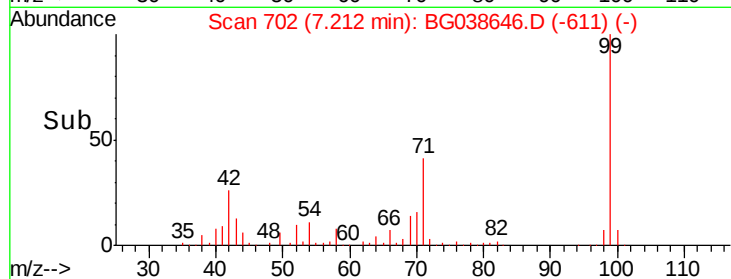
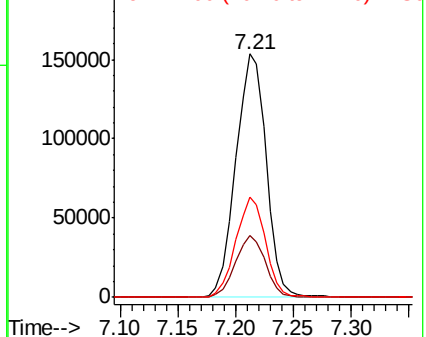


Abundance

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: 8.011 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.00 min

Lab File: BG038646.D

Acq: 16 Dec 2018 18:45

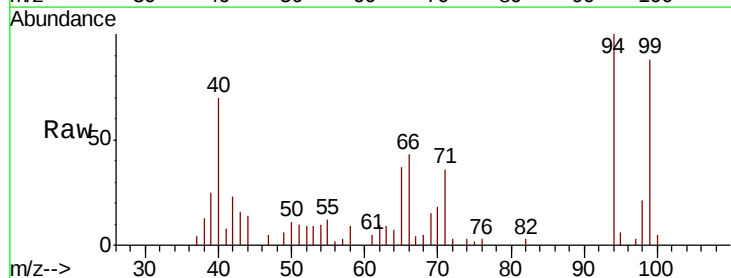
Tgt Ion: 94 Resp: 14614

Ion Ratio Lower Upper

94 100

65 37.0 12.6 52.6

66 42.9 24.1 64.1

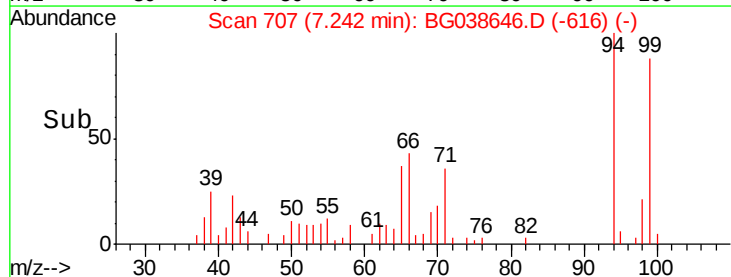
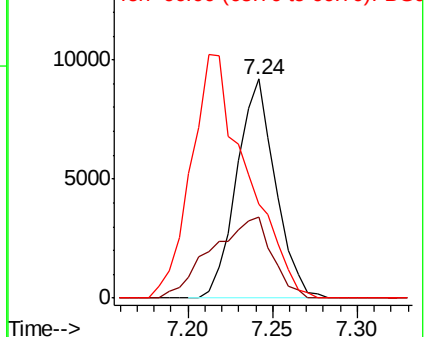


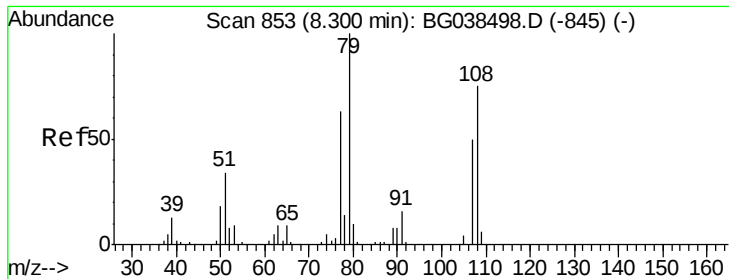
Abundance

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





#15

Benzyl Alcohol

Concen: 2.053 ng

RT: 8.38 min Scan# 901

Delta R.T. 0.08 min

Lab File: BG038646.D

Acq: 16 Dec 2018 18:45

Instrument :

BNA_G

ClientSampleId :

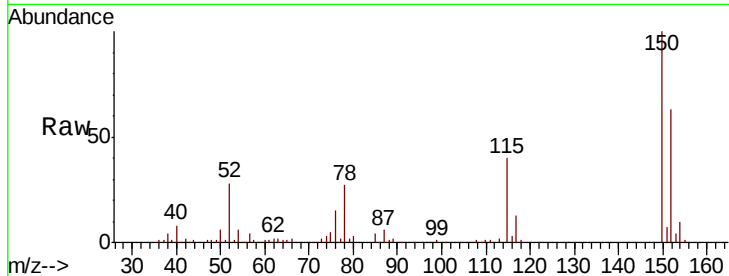
Tot Ion: 79 Resp: 2751

Ion Ratio Lower Upper

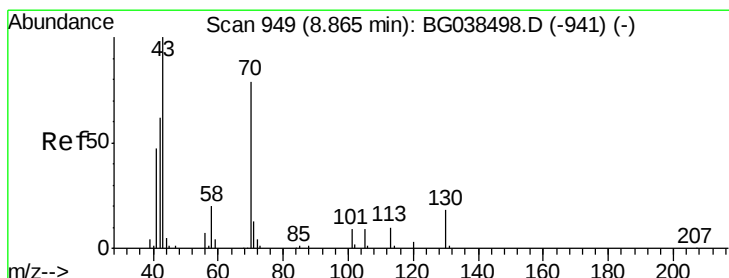
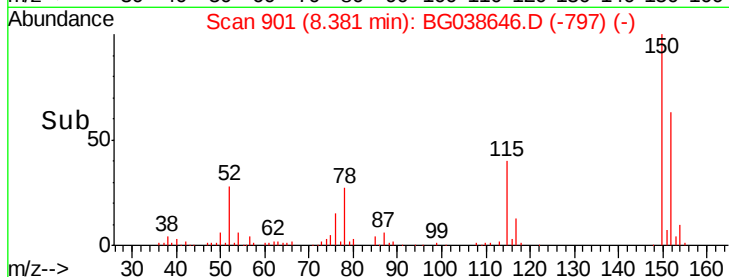
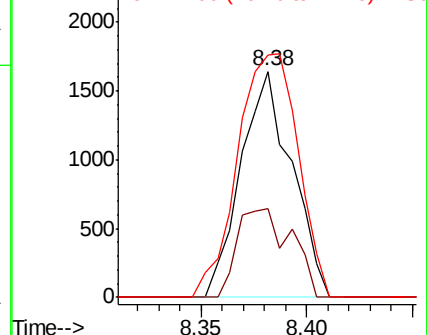
79 100

108 39.4 60.2 90.4#

77 107.2 50.7 76.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 20.823 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038646.D

Acq: 16 Dec 2018 18:45

Tgt Ion: 70 Resp: 25112

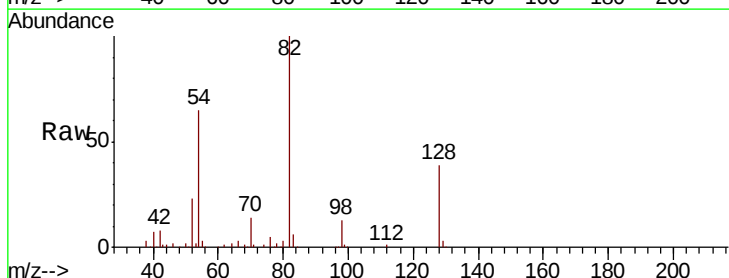
Ion Ratio Lower Upper

70 100

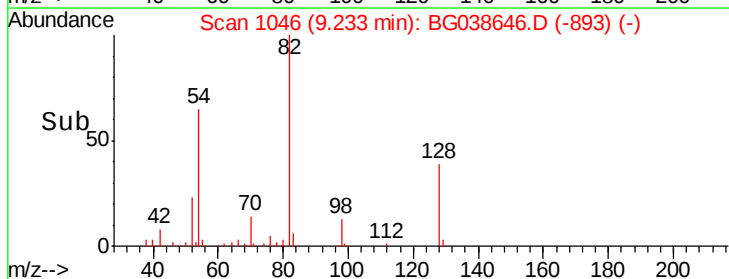
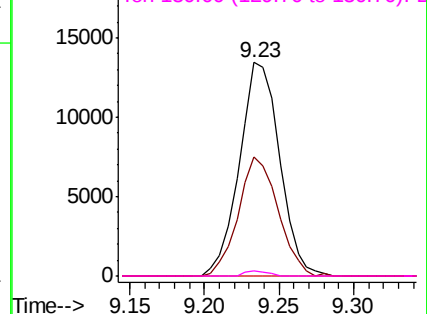
42 55.5 63.6 95.4#

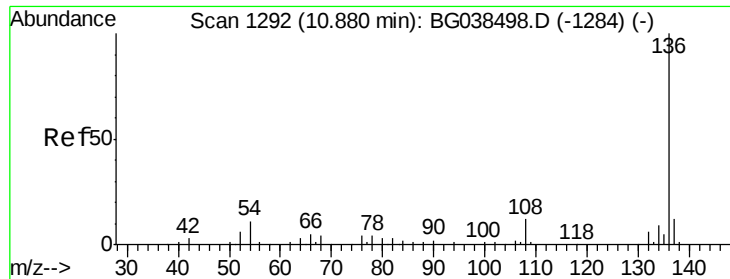
101 0.0 9.2 13.8#

130 2.4 18.5 27.7#



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

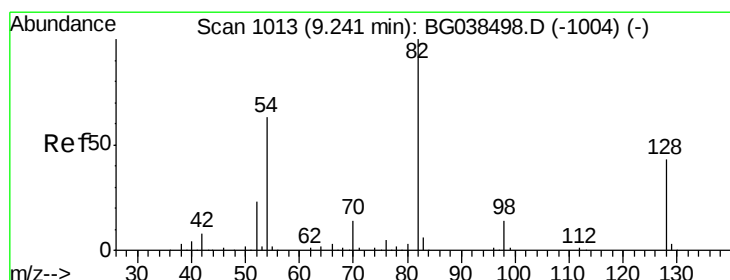
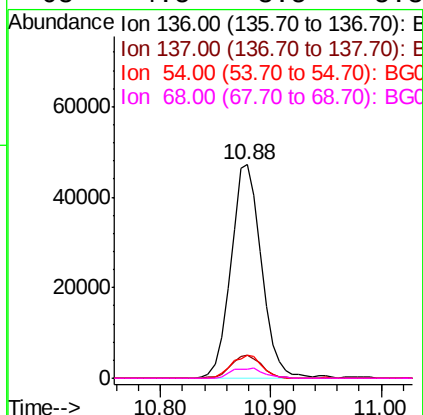
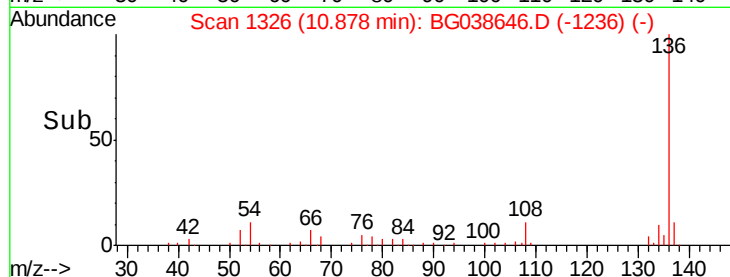
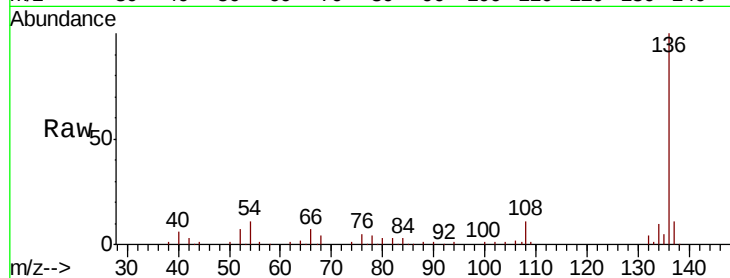




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG038646.D
Acq: 16 Dec 2018 18:45

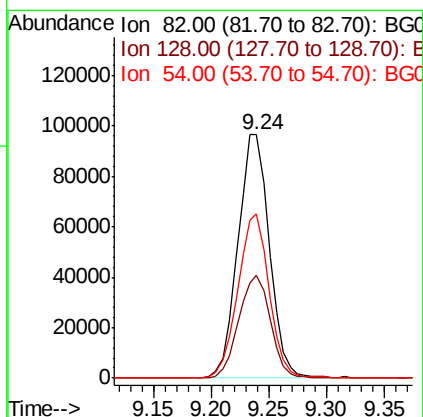
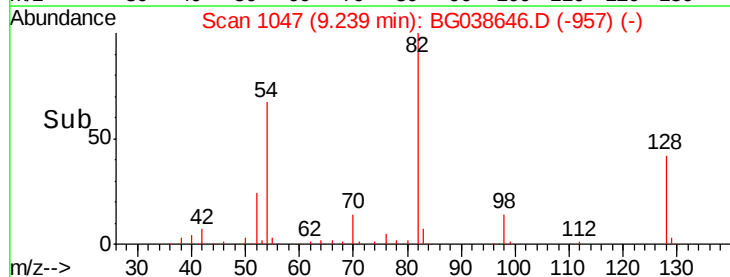
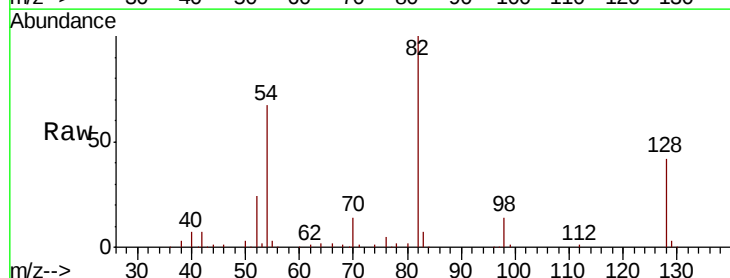
Instrument :
BNA_G
ClientSampleId :

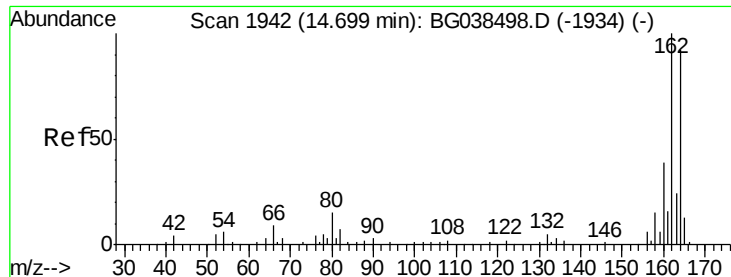
Tot Ion:136	Resp:	91762
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.3 13.9
54	11.0	8.5 12.7
68	4.5	3.5 5.3



#23
Nitrobenzene-d5
Concen: 101.998 ng
RT: 9.24 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BG038646.D
Acq: 16 Dec 2018 18:45

Tgt Ion: 82	Resp:	183208
Ion Ratio	Lower	Upper
82	100	
128	42.1	34.6 52.0
54	67.3	50.6 76.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG038646.D

Acq: 16 Dec 2018 18:45

Instrument :

BNA_G

ClientSampleId :

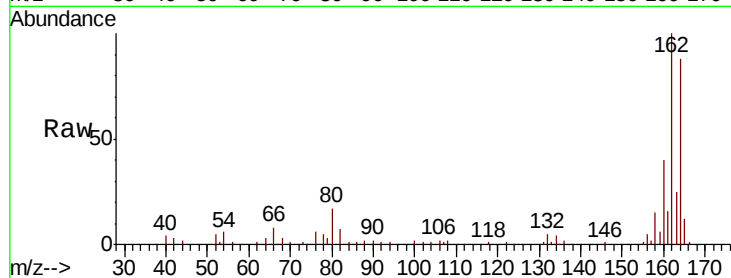
Tot Ion:164 Resp: 60486

Ion Ratio Lower Upper

164 100

162 113.1 86.6 130.0

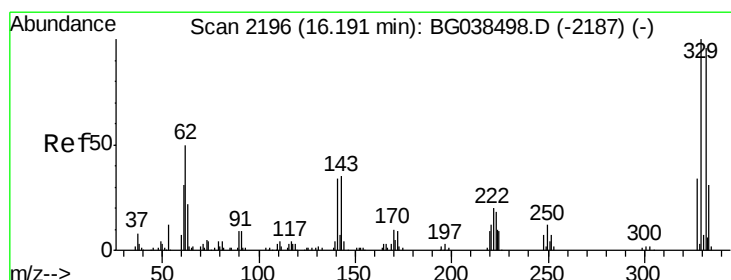
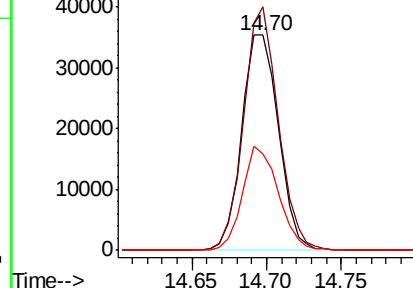
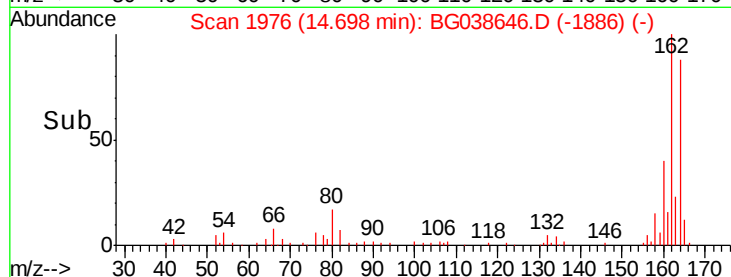
160 44.8 34.2 51.2



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: 146.091 ng

RT: 16.19 min Scan# 2230

Delta R.T. -0.00 min

Lab File: BG038646.D

Acq: 16 Dec 2018 18:45

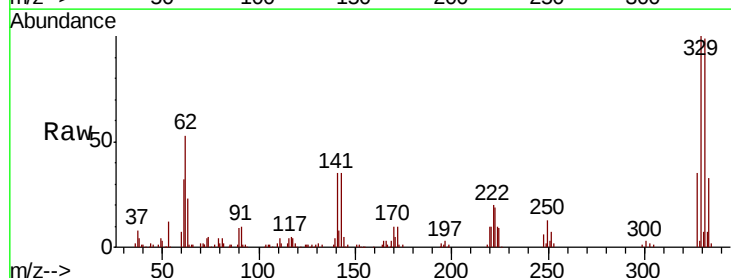
Tgt Ion:330 Resp: 121782

Ion Ratio Lower Upper

330 100

332 95.9 76.9 115.3

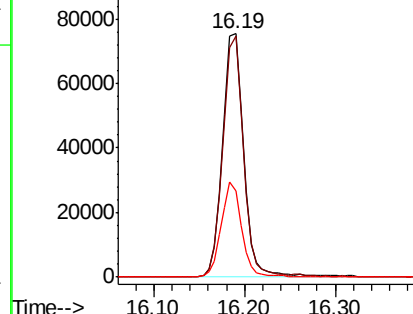
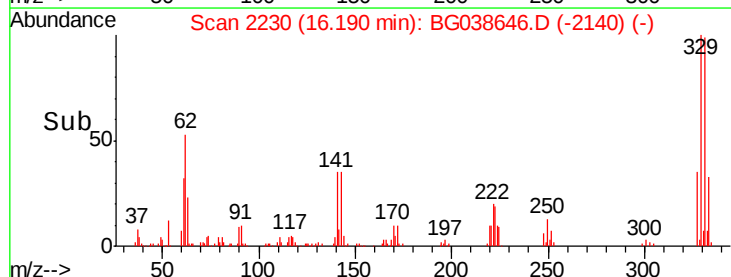
141 37.5 28.8 43.2

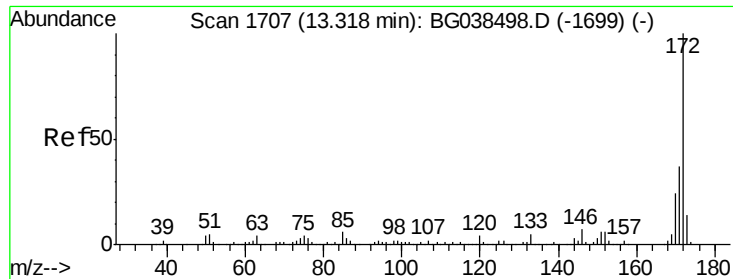


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

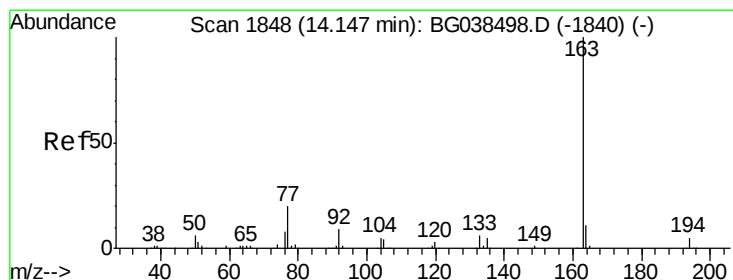
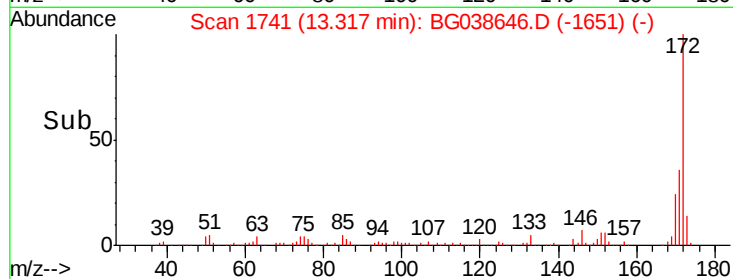
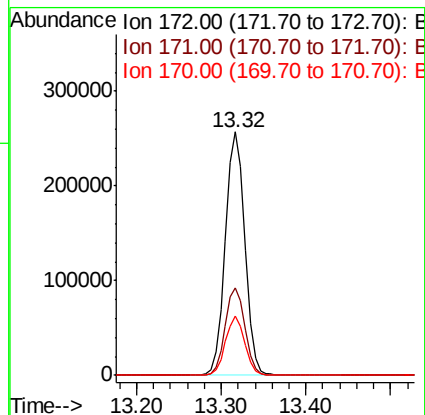
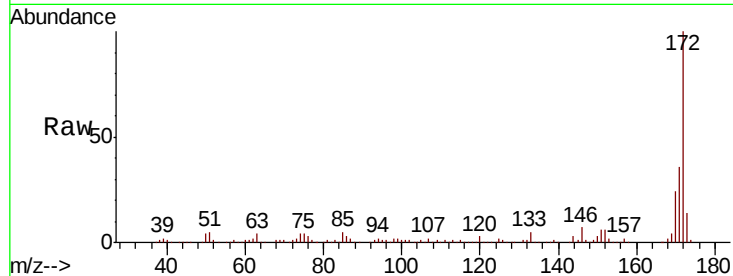




#45
2-Fluorobiphenyl
Concen: 93.188 ng
RT: 13.32 min Scan# 1741
Delta R.T. -0.00 min
Lab File: BG038646.D
Acq: 16 Dec 2018 18:45

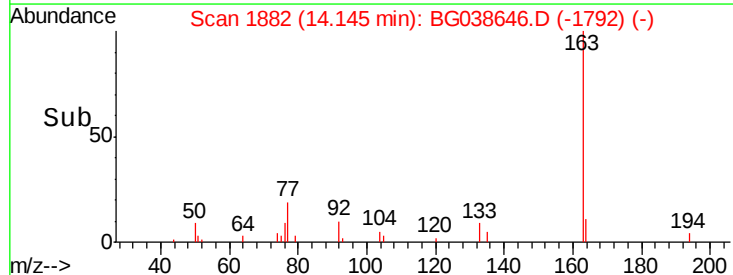
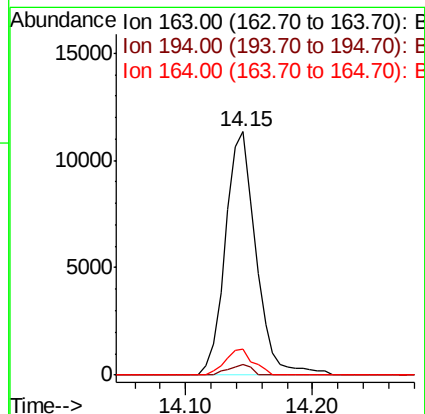
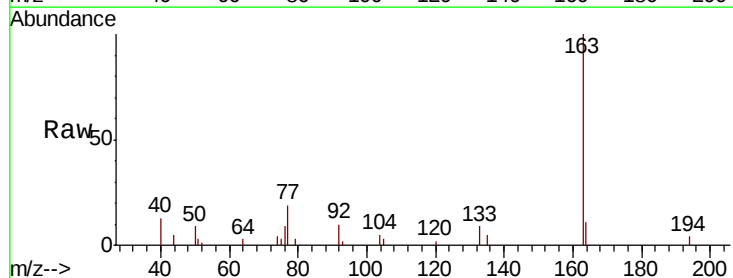
Instrument :
BNA_G
ClientSampleId :

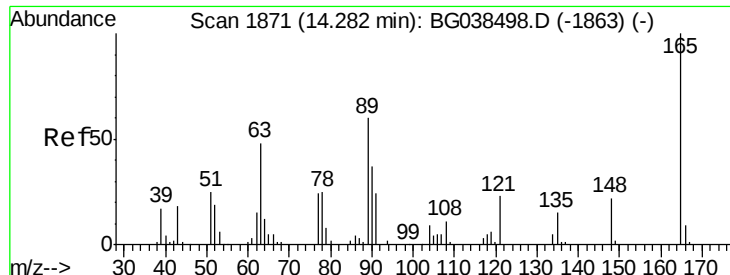
Tot Ion:172 Resp: 410872
Ion Ratio Lower Upper
172 100
171 36.0 29.8 44.6
170 24.1 19.5 29.3



#50
Dimethylphthalate
Concen: 3.828 ng
RT: 14.15 min Scan# 1882
Delta R.T. -0.00 min
Lab File: BG038646.D
Acq: 16 Dec 2018 18:45

Tgt Ion:163 Resp: 18908
Ion Ratio Lower Upper
163 100
194 4.1 3.7 5.5
164 10.6 8.6 12.8

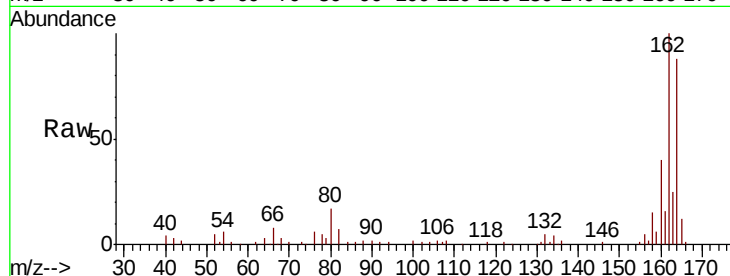




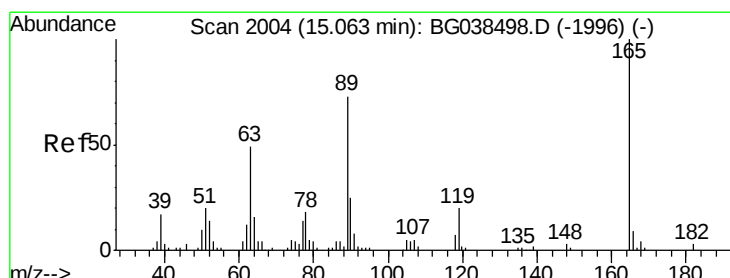
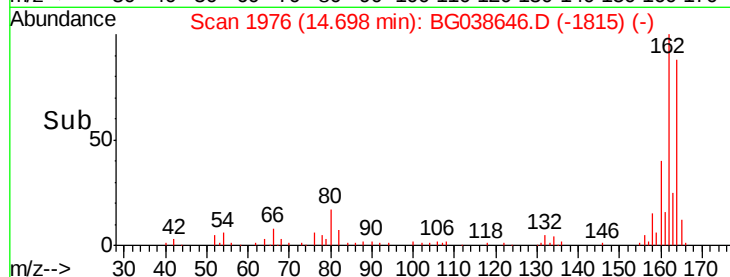
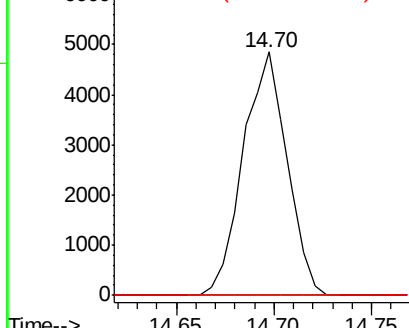
#51
 2,6-Dinitrotoluene
 Concen: 6.739 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. 0.42 min
 Lab File: BG038646.D
 Acq: 16 Dec 2018 18:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 7543
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.6#
 89 0.0 47.9 71.9#

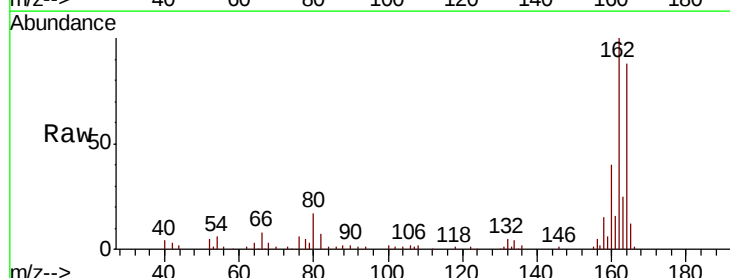


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

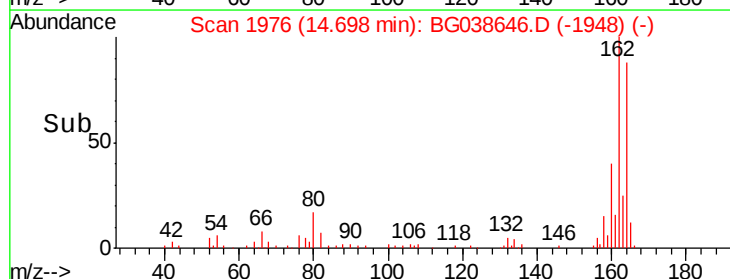
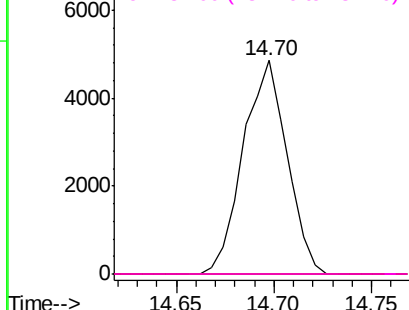


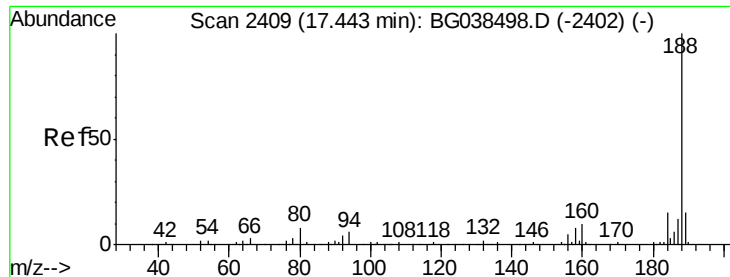
#57
 2,4-Dinitrotoluene
 Concen: 4.784 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.37 min
 Lab File: BG038646.D
 Acq: 16 Dec 2018 18:45

Tgt Ion:165 Resp: 7543
 Ion Ratio Lower Upper
 165 100
 63 0.0 39.0 58.4#
 89 0.0 58.0 87.0#
 182 0.0 2.3 3.5#



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

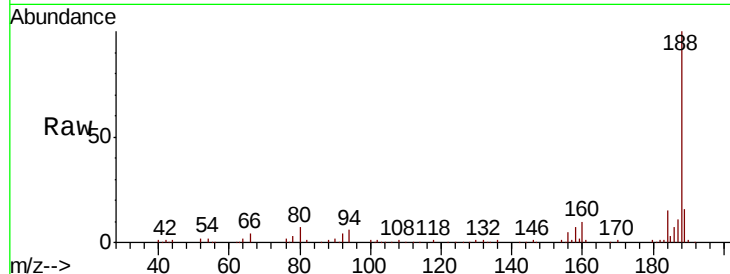




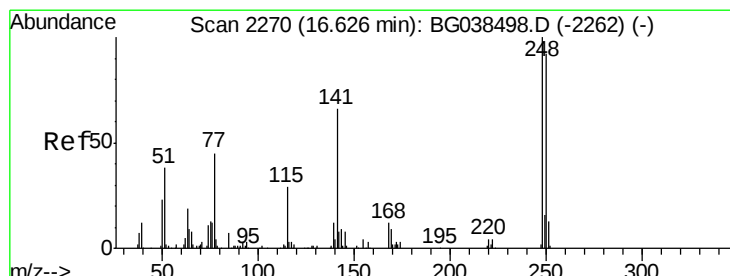
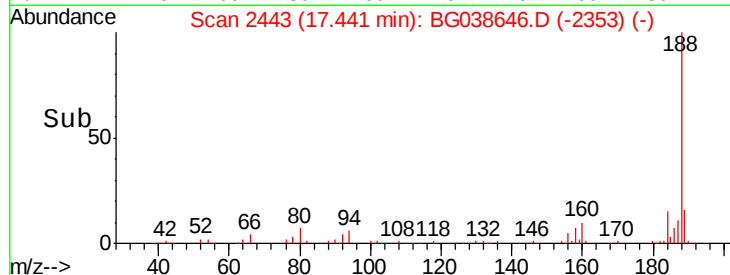
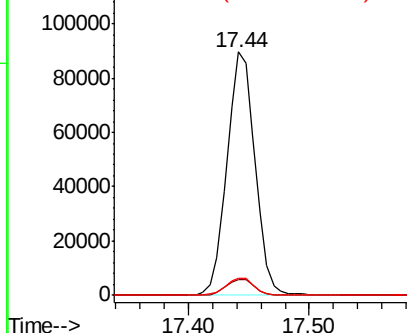
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG038646.D
 Acq: 16 Dec 2018 18:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 144578
 Ion Ratio Lower Upper
 188 100
 94 6.3 5.1 7.7
 80 7.2 6.1 9.1

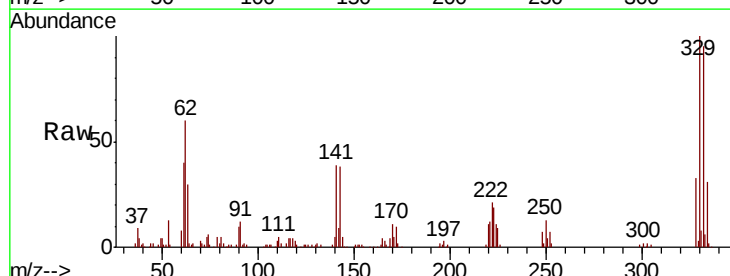


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

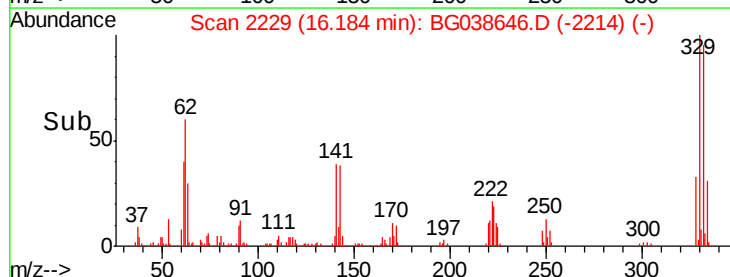
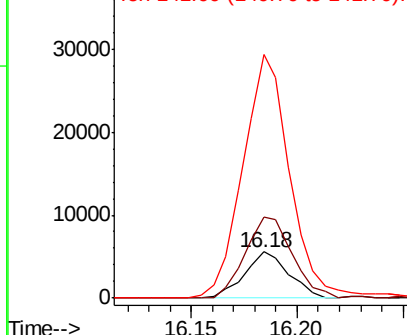


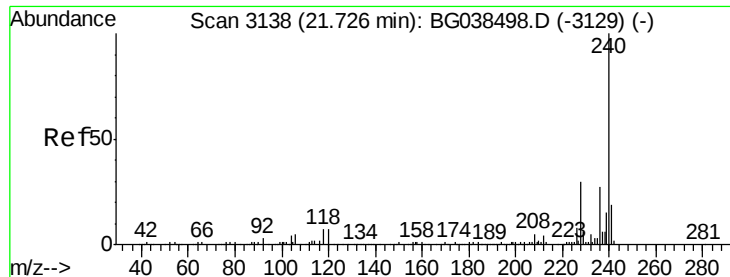
#67
 4-Bromophenyl-phenylether
 Concen: 4.592 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038646.D
 Acq: 16 Dec 2018 18:45

Tgt Ion:248 Resp: 8108
 Ion Ratio Lower Upper
 248 100
 250 174.8 73.4 110.2#
 141 411.3 52.9 79.3#



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: 21.72 min Scan# 3171

Delta R.T. -0.01 min

Lab File: BG038646.D

Acq: 16 Dec 2018 18:45

Instrument :

BNA_G

ClientSampled :

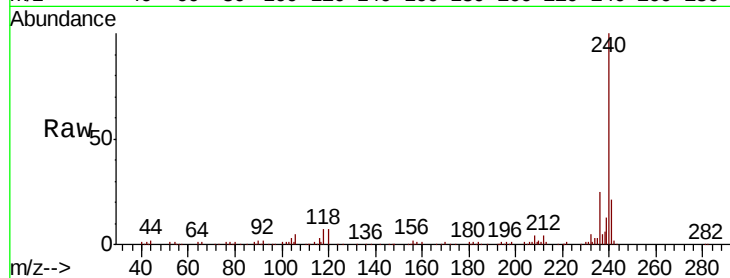
Tot Ion:240 Resp: 147419

Ion Ratio Lower Upper

240 100

120 6.6 5.3 7.9

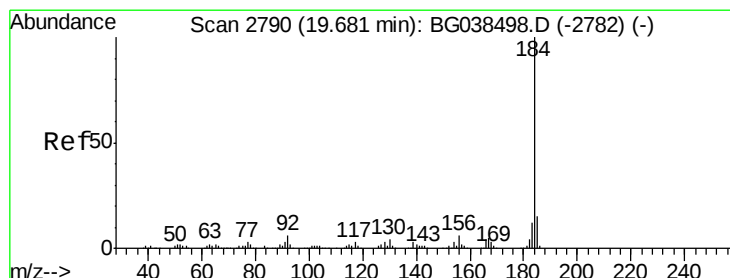
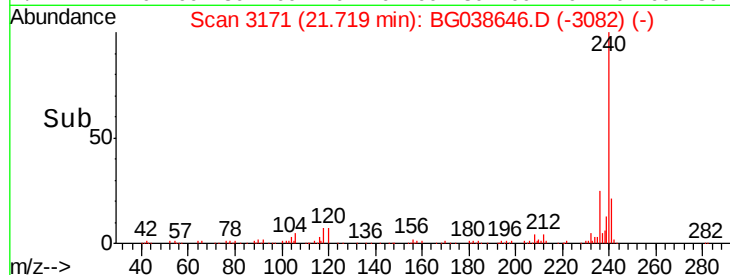
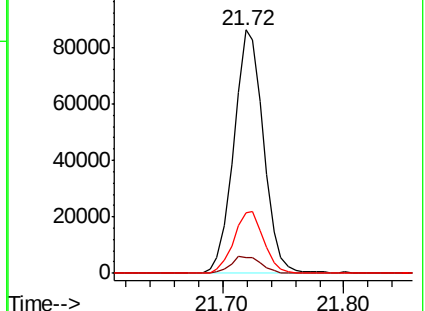
236 25.0 21.4 32.2



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: 2.791 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038646.D

Acq: 16 Dec 2018 18:45

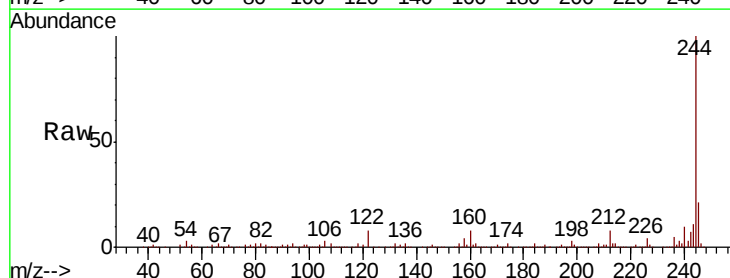
Tgt Ion:184 Resp: 12168

Ion Ratio Lower Upper

184 100

185 16.1 12.2 18.2

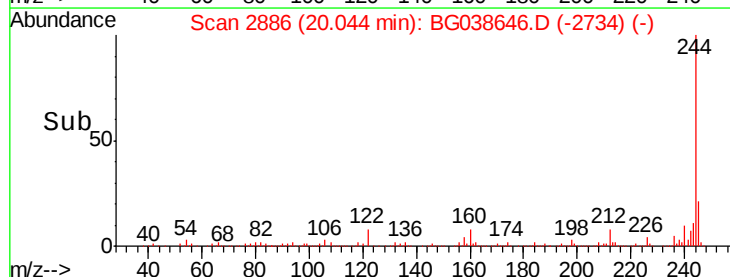
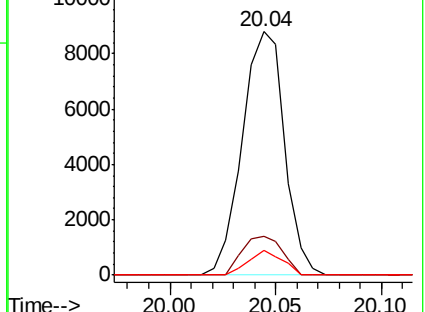
183 10.4 9.6 14.4

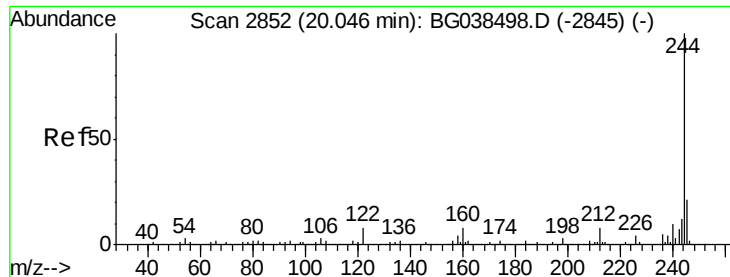


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 96.728 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038646.D

Acq: 16 Dec 2018 18:45

Instrument :

BNA_G

ClientSampleId :

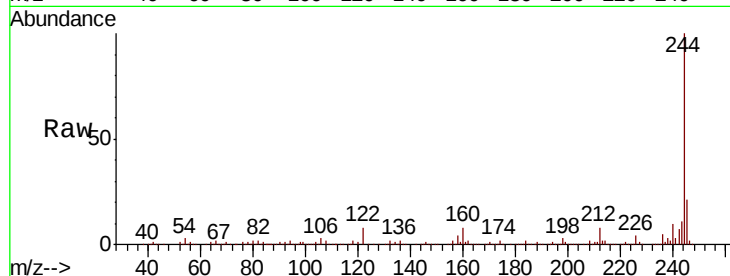
Tot Ion:244 Resp: 655212

Ion Ratio Lower Upper

244 100

212 8.5 6.2 9.2

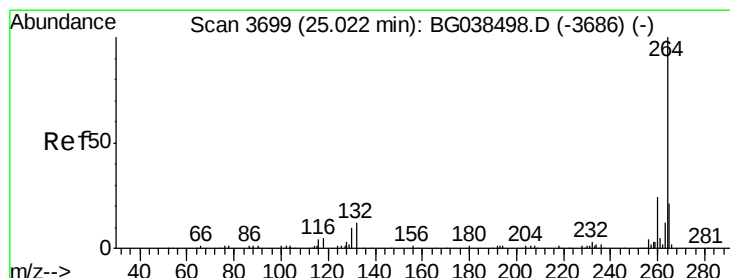
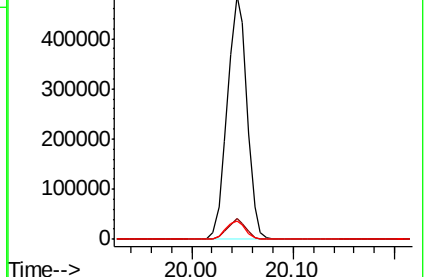
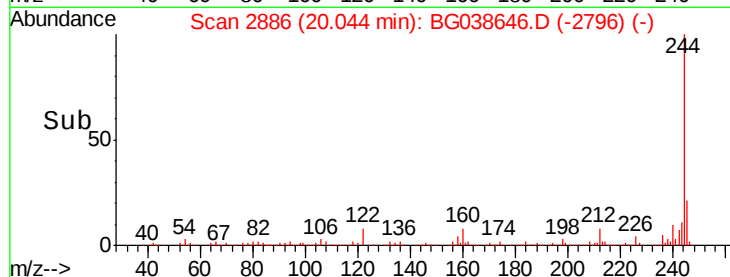
122 7.7 6.3 9.5



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: 25.01 min Scan# 3732

Delta R.T. -0.01 min

Lab File: BG038646.D

Acq: 16 Dec 2018 18:45

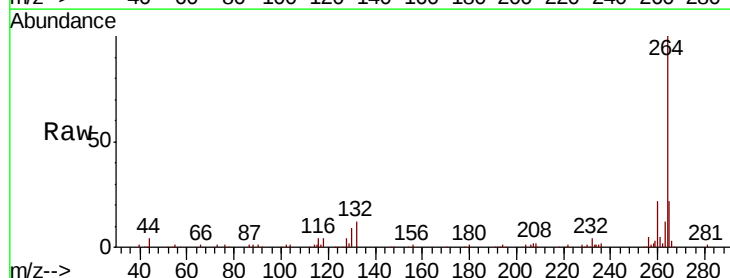
Tgt Ion:264 Resp: 155968

Ion Ratio Lower Upper

264 100

260 22.2 18.9 28.3

265 21.6 17.0 25.4



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

