

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121718\
 Data File : BG038664.D
 Acq On : 17 Dec 2018 15:44
 Operator : JU/SJ
 Sample : J6378-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P001-SD013-0612-01

Quant Time: Dec 18 02:56:56 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	20099	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	81685	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	53988	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	136340	20.00	ng	0.00
76) Chrysene-d12	21.72	240	145950	20.00	ng	0.00
87) Perylene-d12	25.02	264	160459	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	183674	162.08	ng	0.00
7) Phenol-d6	7.22	99	251055	161.38	ng	0.00
23) Nitrobenzene-d5	9.24	82	161624	101.08	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	116939	157.17	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	344082	87.43	ng	0.00
79) Terphenyl-d14	20.05	244	625273	93.24	ng	0.00

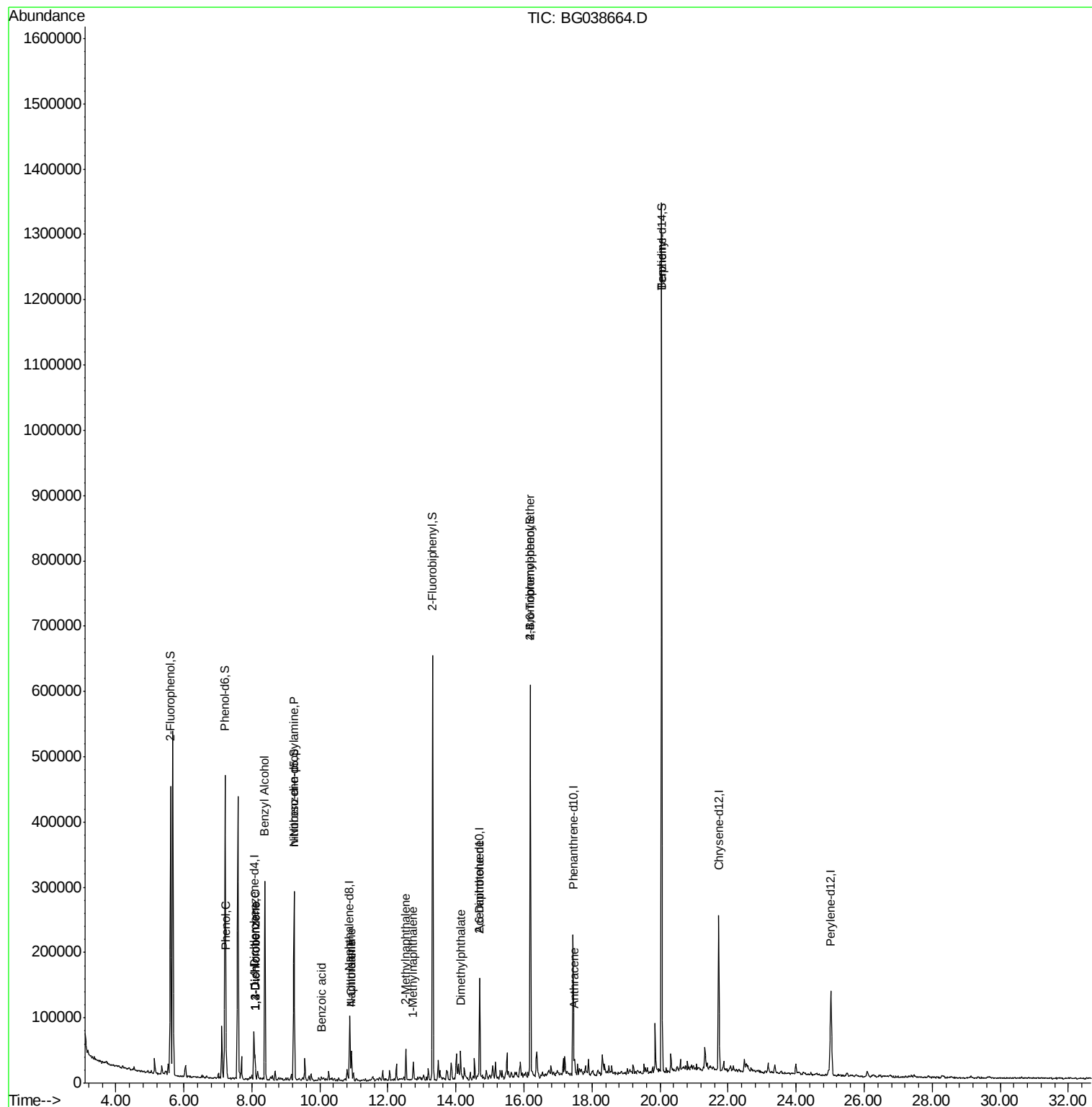
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.24	94	15518	9.389	ng	88
12) 1,3-Dichlorobenzene	8.10	146	13722	8.850	ng	96
13) 1,4-Dichlorobenzene	8.10	146	13722	8.641	ng	95
14) 1,2-Dichlorobenzene	8.10	146	13722	9.166	ng	97
15) Benzyl Alcohol	8.38	79	2837	2.336	ng	# 47
19) n-Nitroso-di-n-propylamine	9.24	70	22623	20.705	ng	# 72
31) Naphthalene	10.93	128	37209	9.245	ng	# 93
32) Benzoic acid	10.05	122	130	10.300	ng	# 73
33) 4-Chloroaniline	10.92	127	4902	2.805	ng	# 27
37) 2-Methylnaphthalene	12.53	142	23340	8.129	ng	93
38) 1-Methylnaphthalene	12.74	142	13501	4.846	ng	97
50) Dimethylphthalate	14.14	163	18103	4.106	ng	99
51) 2,6-Dinitrotoluene	14.69	165	8017	8.024	ng	# 19
67) 4-Bromophenyl-phenylether	16.19	248	7245	4.351	ng	# 1
72) Anthracene	17.49	178	14036	2.011	ng	98
77) Benzdine	20.05	184	11603	2.688	ng	# 96

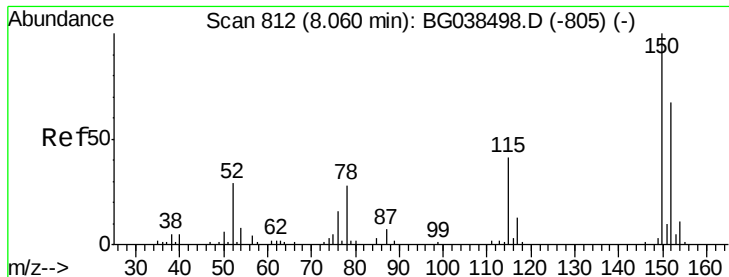
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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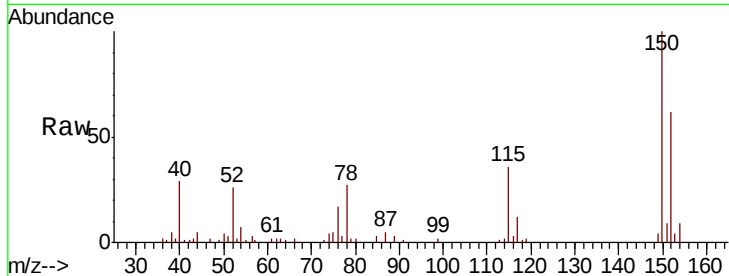


#1

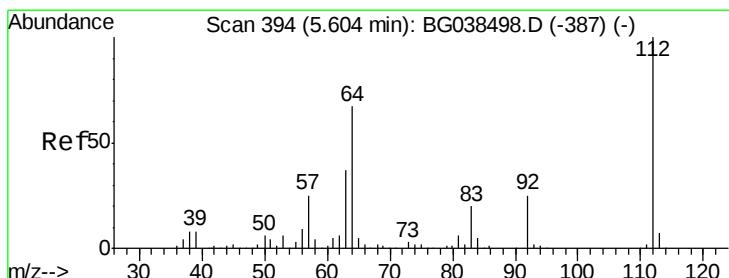
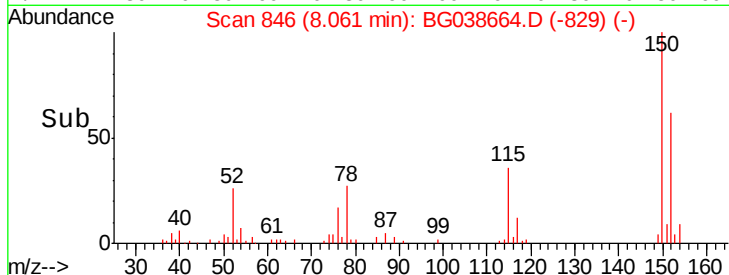
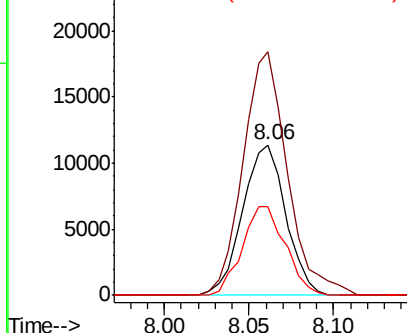
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 846
 Delta R.T. 0.00 min
 Lab File: BG038664.D
 Acq: 17 Dec 2018 15:44

Instrument :
 BNA_G
 ClientSampleId :
 P001-SD013-0612-01

Tgt Ion:152 Resp: 20099
 Ion Ratio Lower Upper
 152 100
 150 161.9 119.5 179.3
 115 59.0 49.6 74.4



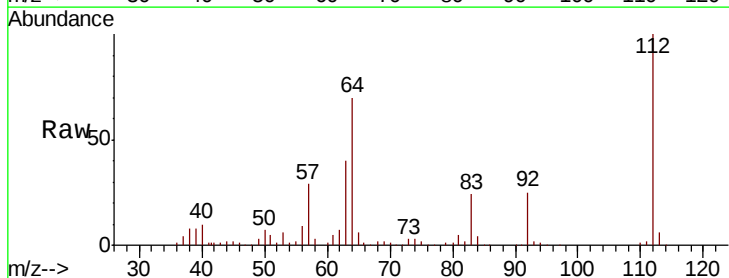
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



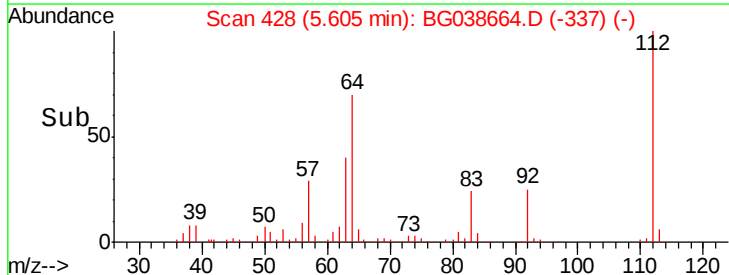
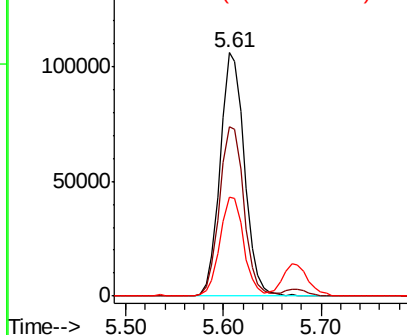
#5

2-Fluorophenol
 Concen: 162.085 ng
 RT: 5.61 min Scan# 428
 Delta R.T. 0.00 min
 Lab File: BG038664.D
 Acq: 17 Dec 2018 15:44

Tgt Ion:112 Resp: 183674
 Ion Ratio Lower Upper
 112 100
 64 69.6 53.4 80.2
 63 40.5 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: 161.381 ng

RT: 7.22 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038664.D

Acq: 17 Dec 2018 15:44

Instrument :

BNA_G

ClientSampleId :

P001-SD013-0612-01

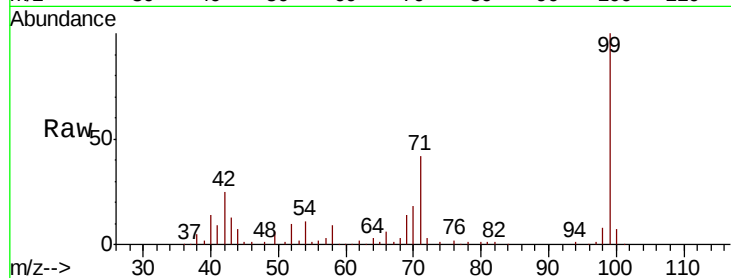
Tgt Ion: 99 Resp: 251055

Ion Ratio Lower Upper

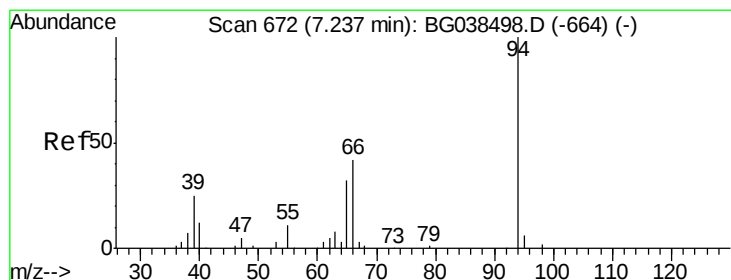
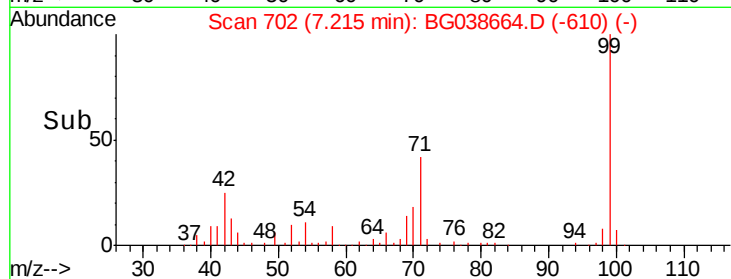
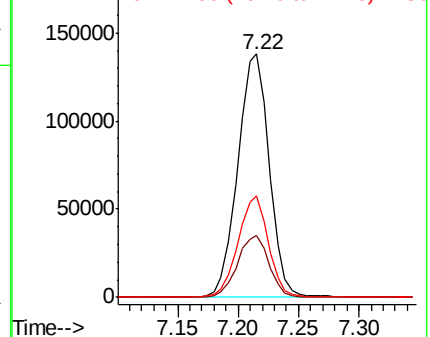
99 100

42 25.2 18.5 27.7

71 41.6 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: 9.389 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG038664.D

Acq: 17 Dec 2018 15:44

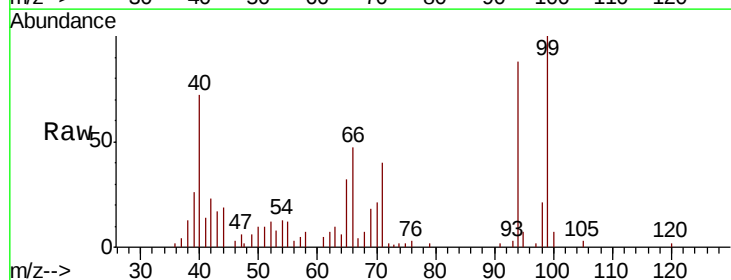
Tgt Ion: 94 Resp: 15518

Ion Ratio Lower Upper

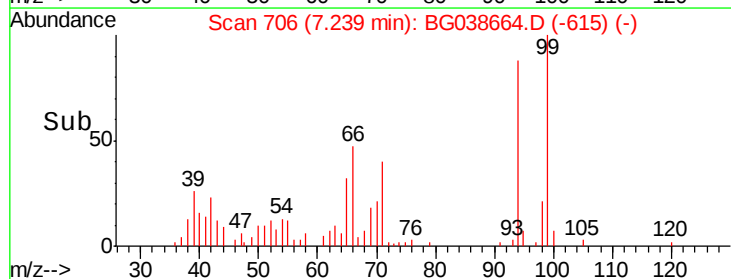
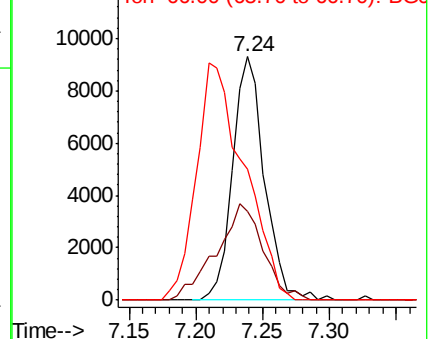
94 100

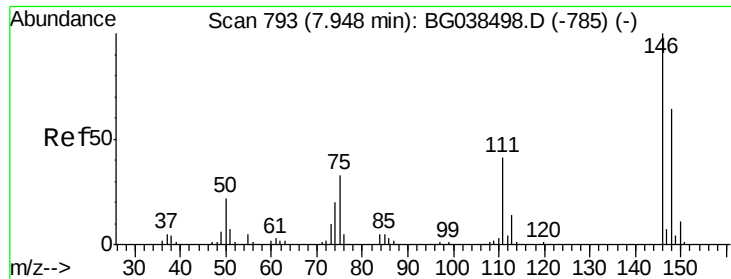
65 36.6 12.6 52.6

66 53.9 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

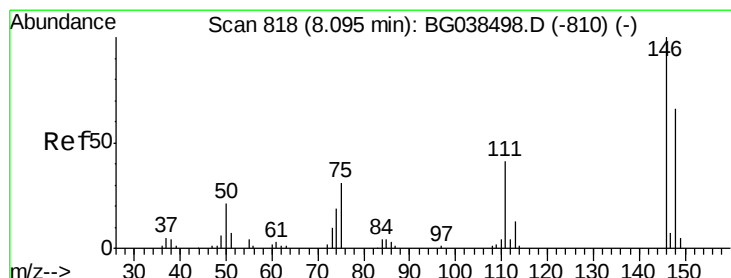
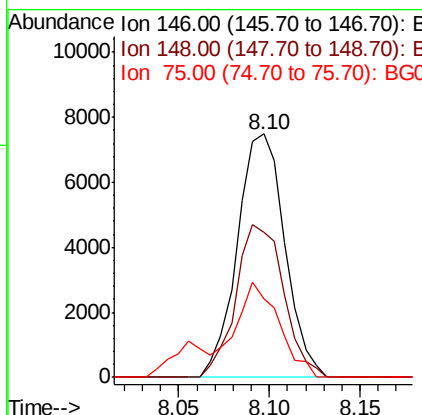
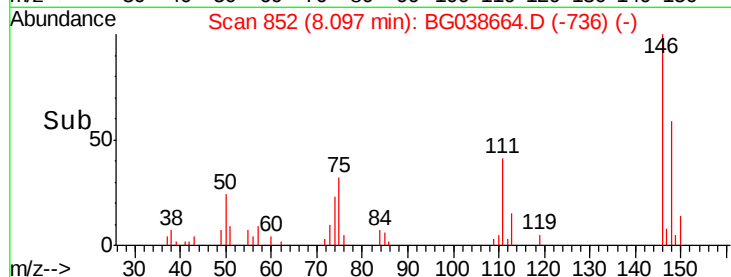
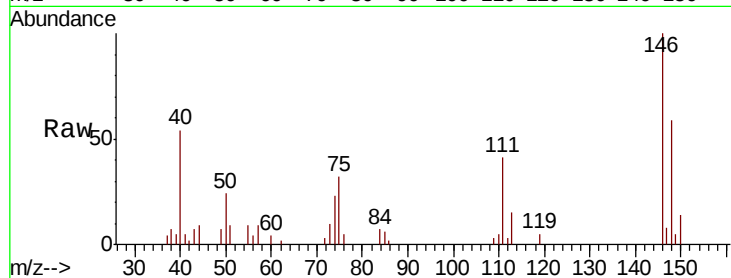




#12
 1,3-Dichlorobenzene
 Concen: 8.850 ng
 RT: 8.10 min Scan# 852
 Delta R.T. 0.15 min
 Lab File: BG038664.D
 Acq: 17 Dec 2018 15:44

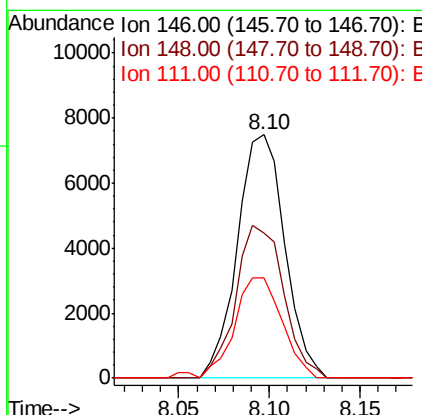
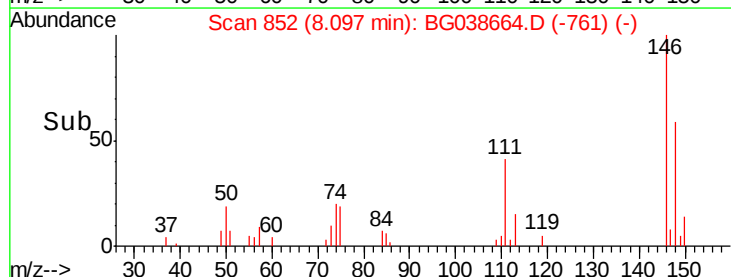
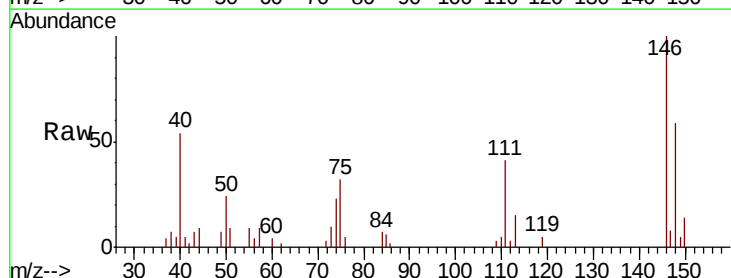
Instrument :
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 P001-SD013-0612-01

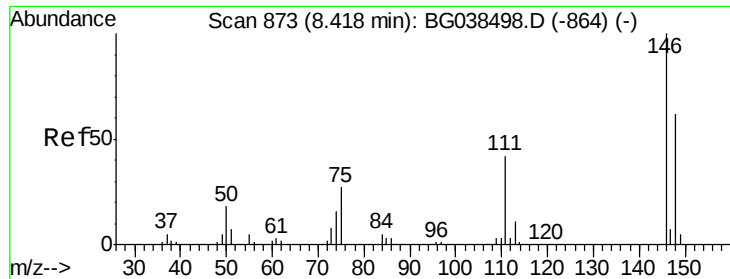
Tgt Ion:146 Resp: 13722
 Ion Ratio Lower Upper
 146 100
 148 59.4 51.4 77.0
 75 32.4 26.1 39.1



#13
 1,4-Dichlorobenzene
 Concen: 8.641 ng
 RT: 8.10 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: BG038664.D
 Acq: 17 Dec 2018 15:44

Tgt Ion:146 Resp: 13722
 Ion Ratio Lower Upper
 146 100
 148 59.4 52.4 78.6
 111 41.0 33.0 49.4

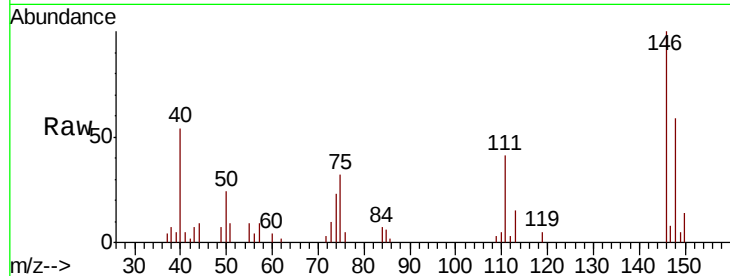




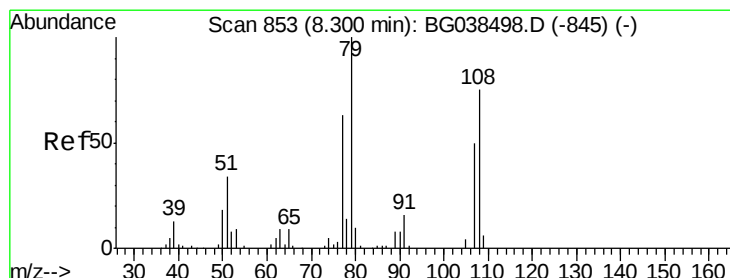
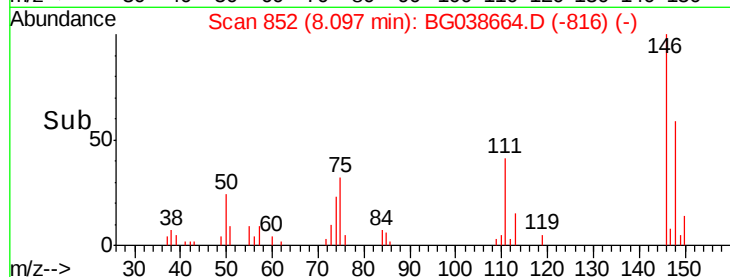
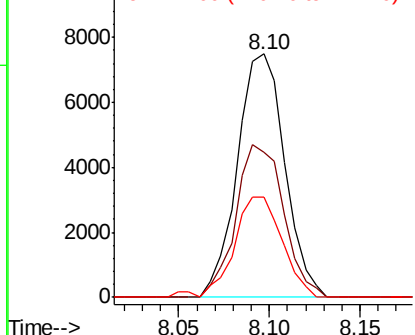
#14
 1,2-Dichlorobenzene
 Concen: 9.166 ng
 RT: 8.10 min Scan# 852
 Delta R.T. -0.32 min
 Lab File: BG038664.D
 Acq: 17 Dec 2018 15:44

Instrument :
 BNA_G
 ClientSampleId :
 P001-SD013-0612-01

Tgt Ion:146 Resp: 13722
 Ion Ratio Lower Upper
 146 100
 148 59.4 49.4 74.0
 111 41.0 33.8 50.6

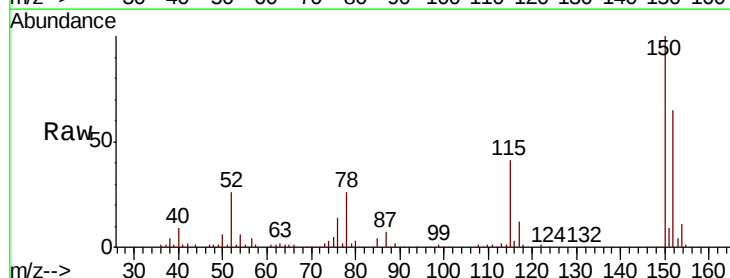


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

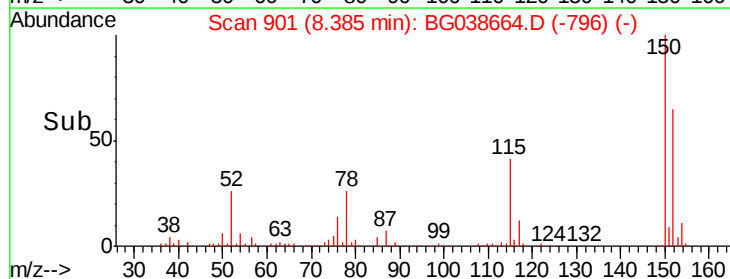
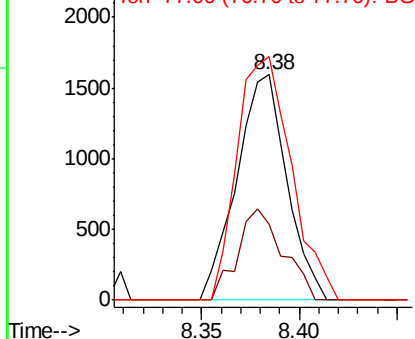


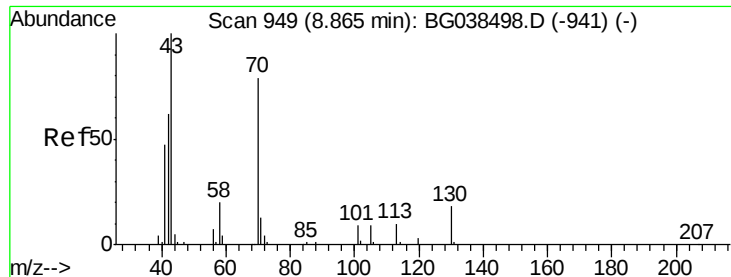
#15
 Benzyl Alcohol
 Concen: 2.336 ng
 RT: 8.38 min Scan# 901
 Delta R.T. 0.08 min
 Lab File: BG038664.D
 Acq: 17 Dec 2018 15:44

Tgt Ion: 79 Resp: 2837
 Ion Ratio Lower Upper
 79 100
 108 33.9 60.2 90.4#
 77 108.1 50.7 76.1#



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

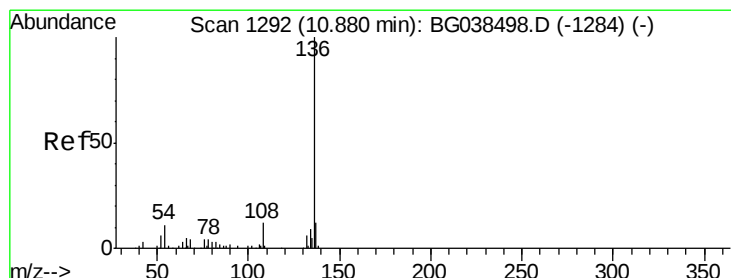
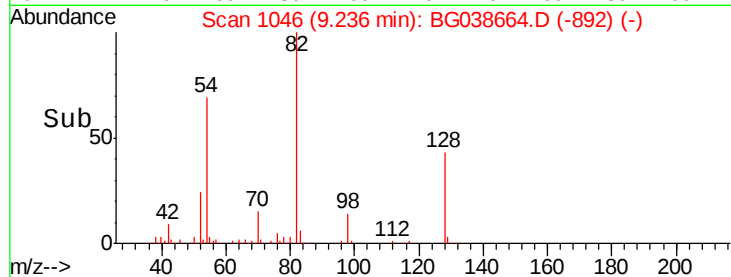
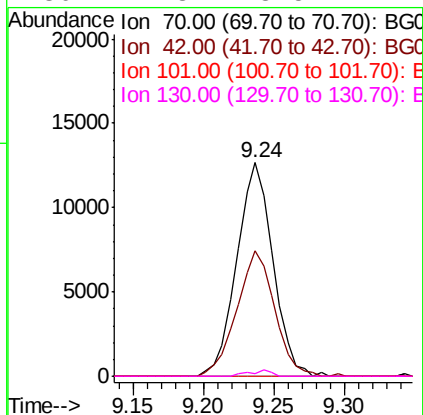
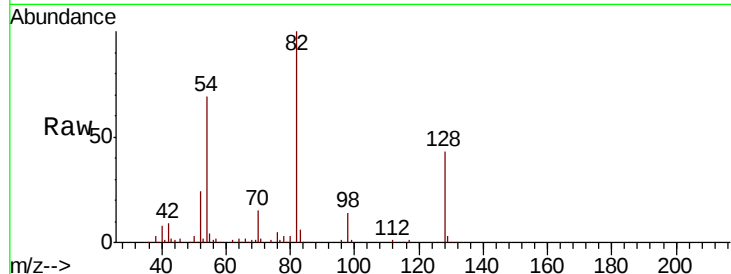




#19
n-Nitroso-di-n-propylamine
Concen: 20.705 ng
RT: 9.24 min Scan# 1046
Delta R.T. 0.37 min
Lab File: BG038664.D
Acq: 17 Dec 2018 15:44

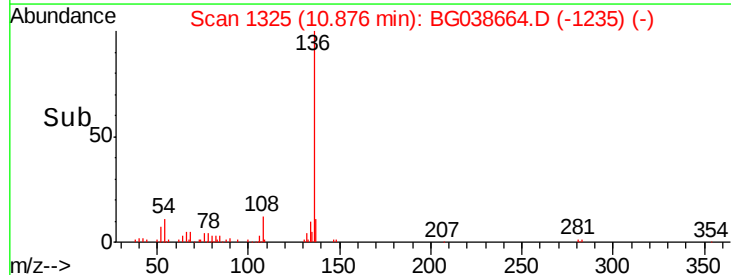
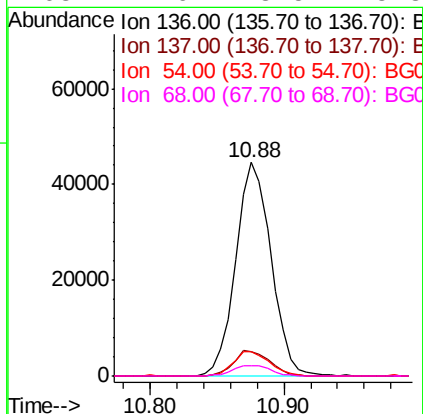
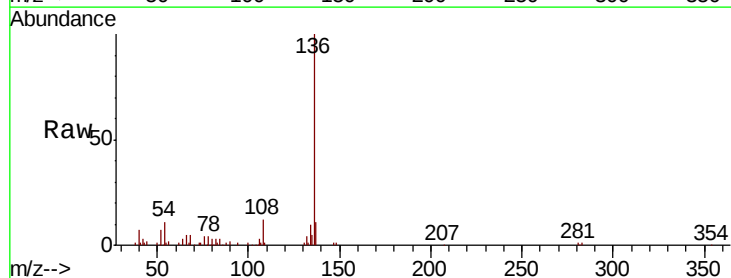
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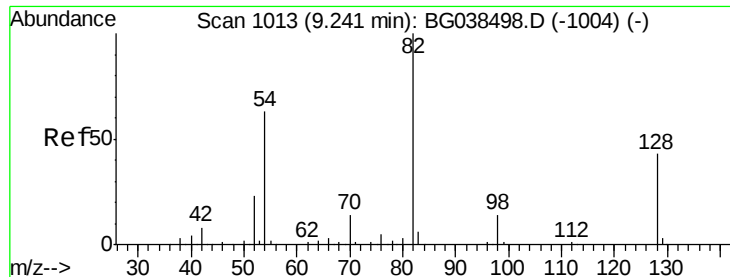
Tgt Ion: 70 Resp: 22623
Ion Ratio Lower Upper
70 100
42 58.9 63.6 95.4#
101 0.0 9.2 13.8#
130 1.3 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BG038664.D
Acq: 17 Dec 2018 15:44

Tgt Ion: 136 Resp: 81685
Ion Ratio Lower Upper
136 100
137 11.4 9.3 13.9
54 11.2 8.5 12.7
68 4.6 3.5 5.3





#23

Nitrobenzene-d5

Concen: 101.082 ng

RT: 9.24 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BG038664.D

Acq: 17 Dec 2018 15:44

Instrument :

BNA_G

ClientSampleId :

P001-SD013-0612-01

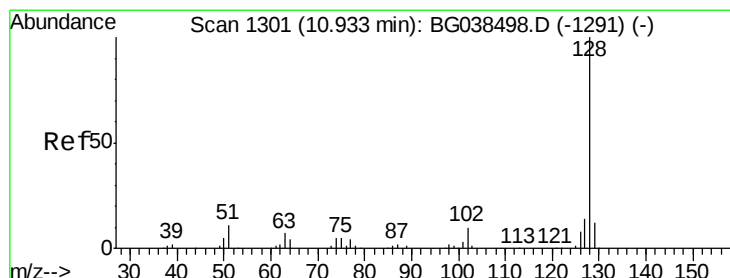
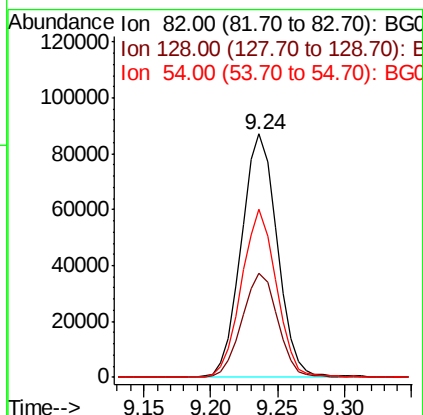
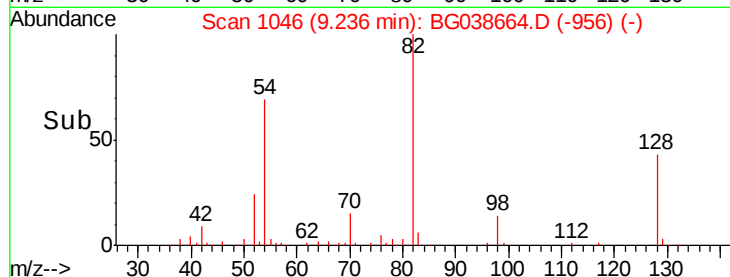
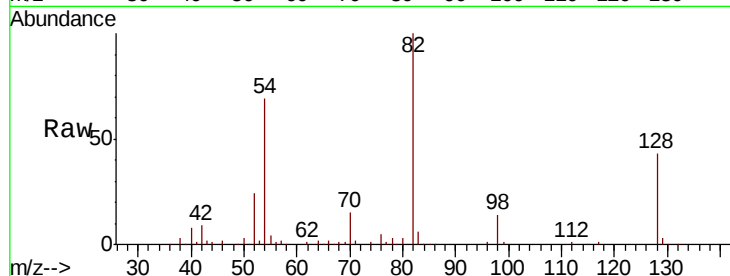
Tgt Ion: 82 Resp: 161624

Ion Ratio Lower Upper

82 100

128 42.5 34.6 52.0

54 68.9 50.6 76.0



#31

Naphthalene

Concen: 9.245 ng

RT: 10.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BG038664.D

Acq: 17 Dec 2018 15:44

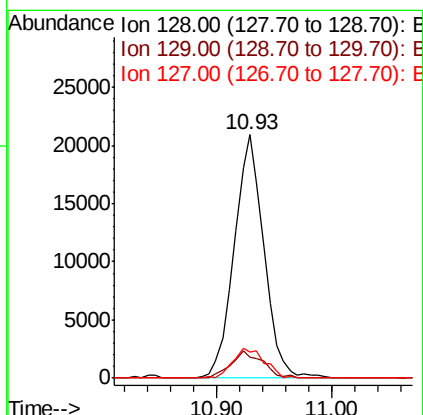
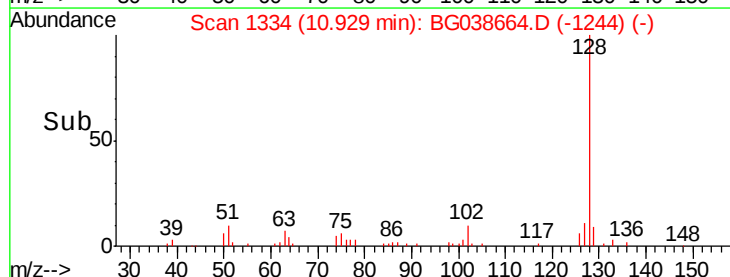
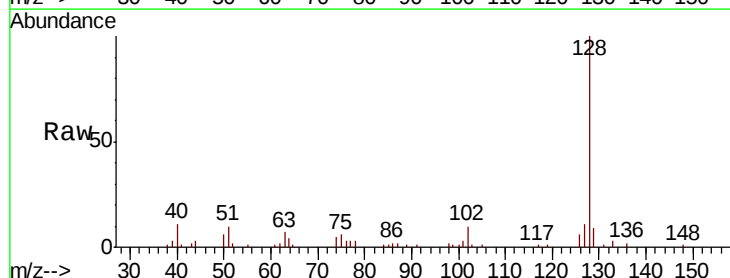
Tgt Ion: 128 Resp: 37209

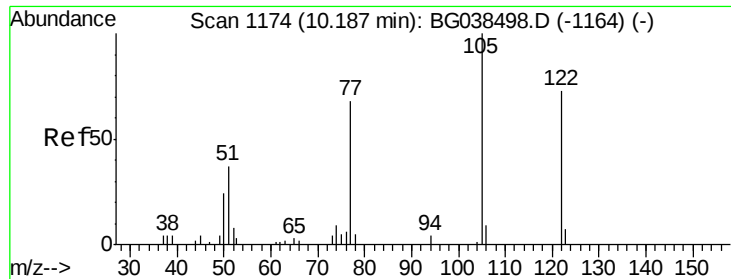
Ion Ratio Lower Upper

128 100

129 8.6 9.5 14.3#

127 10.9 10.9 16.3

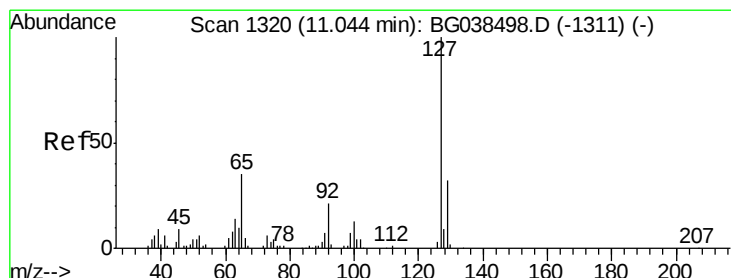
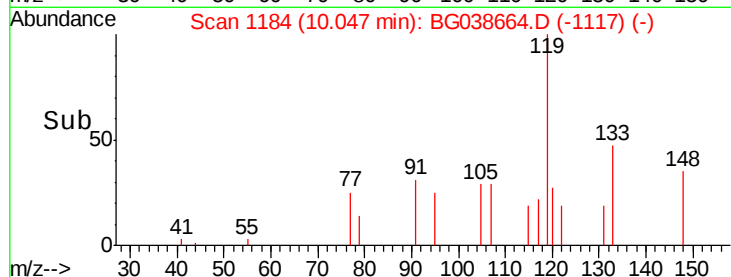
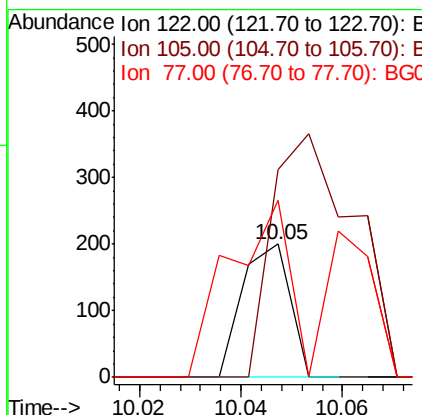
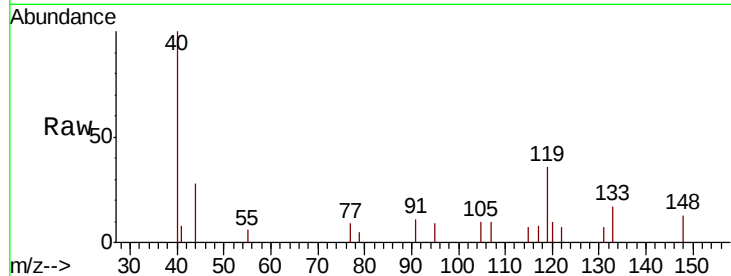




#32
Benzoic acid
Concen: 10.300 ng
RT: 10.05 min Scan# 1184
Delta R.T. -0.14 min
Lab File: BG038664.D
Acq: 17 Dec 2018 15:44

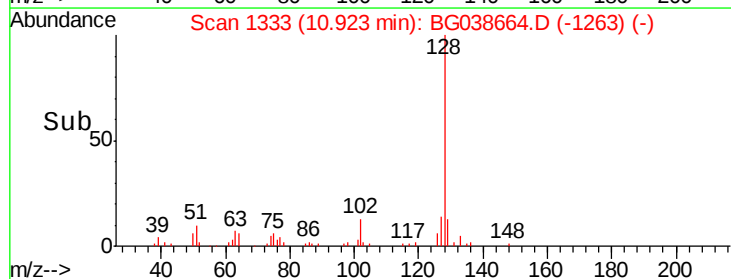
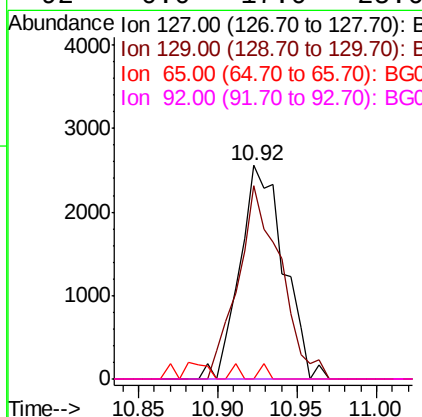
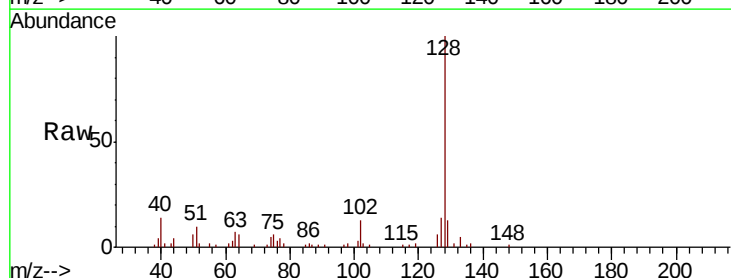
Instrument :
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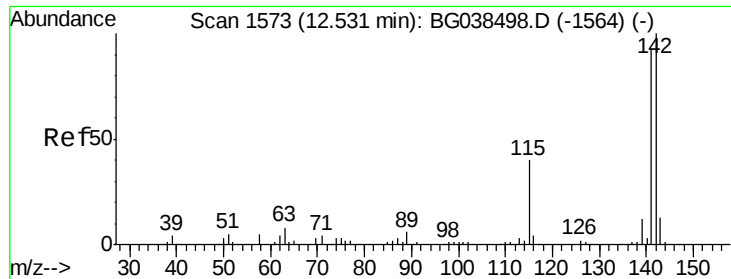
Tgt Ion:122 Resp: 130
Ion Ratio Lower Upper
122 100
105 156.5 116.7 156.7
77 133.0 72.5 112.5#



#33
4-Chloroaniline
Concen: 2.805 ng
RT: 10.92 min Scan# 1333
Delta R.T. -0.12 min
Lab File: BG038664.D
Acq: 17 Dec 2018 15:44

Tgt Ion:127 Resp: 4902
Ion Ratio Lower Upper
127 100
129 90.6 25.8 38.8#
65 0.0 27.8 41.6#
92 0.0 17.0 25.6#

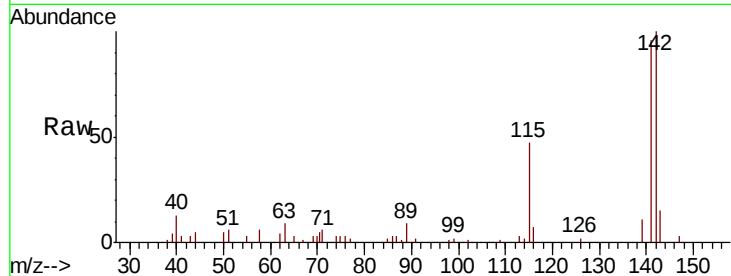




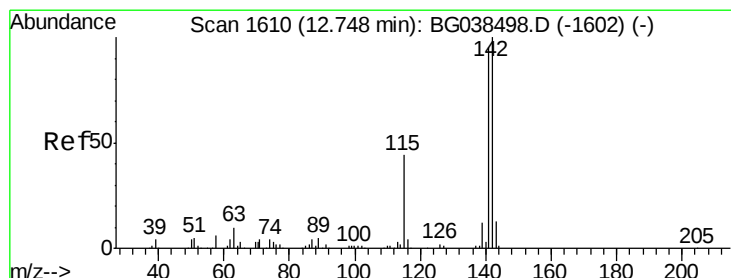
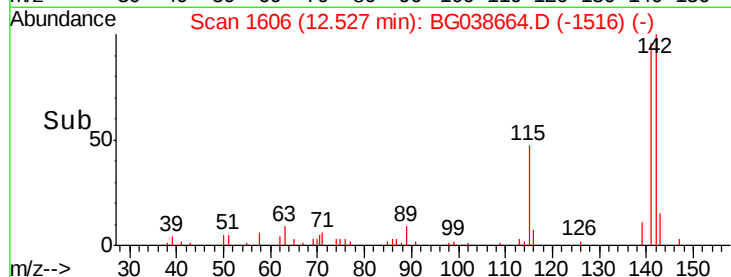
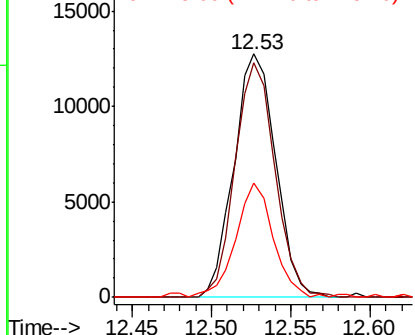
#37
2-Methylnaphthalene
Concen: 8.129 ng
RT: 12.53 min Scan# 1606
Delta R.T. -0.00 min
Lab File: BG038664.D
Acq: 17 Dec 2018 15:44

Instrument :
BNA_G
ClientSampleId :
P001-SD013-0612-01

Tgt Ion:142 Resp: 23340
Ion Ratio Lower Upper
142 100
141 96.4 73.5 110.3
115 47.0 31.7 47.5

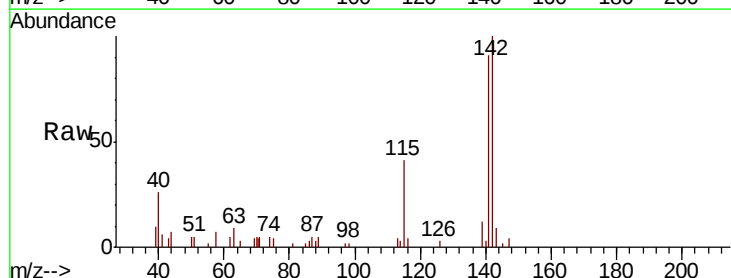


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

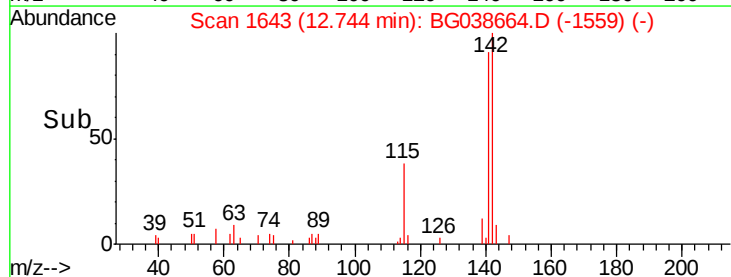
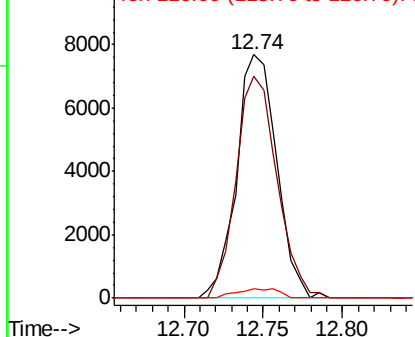


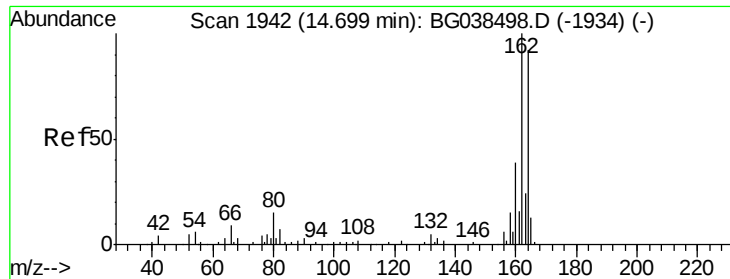
#38
1-Methylnaphthalene
Concen: 4.846 ng
RT: 12.74 min Scan# 1643
Delta R.T. -0.00 min
Lab File: BG038664.D
Acq: 17 Dec 2018 15:44

Tgt Ion:142 Resp: 13501
Ion Ratio Lower Upper
142 100
141 91.4 75.8 113.8
116 3.9 3.6 5.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.00 min

Lab File: BG038664.D

Acq: 17 Dec 2018 15:44

Instrument :

BNA_G

ClientSampleId :

P001-SD013-0612-01

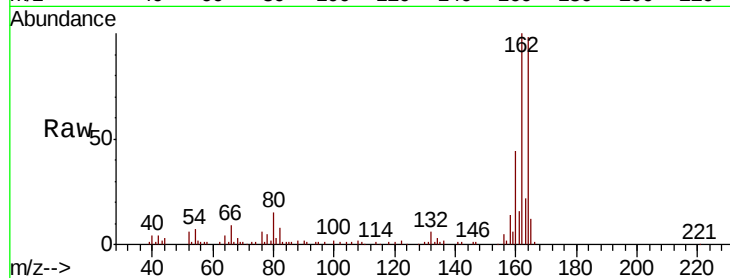
Tgt Ion:164 Resp: 53988

Ion Ratio Lower Upper

164 100

162 102.3 86.6 130.0

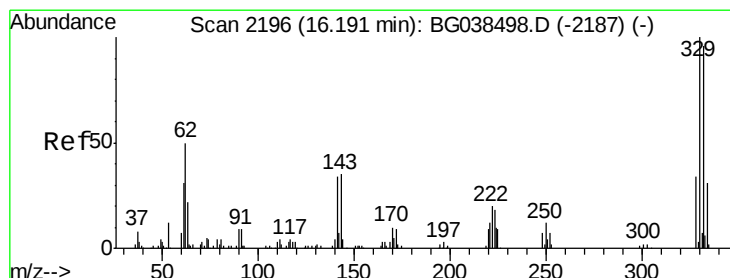
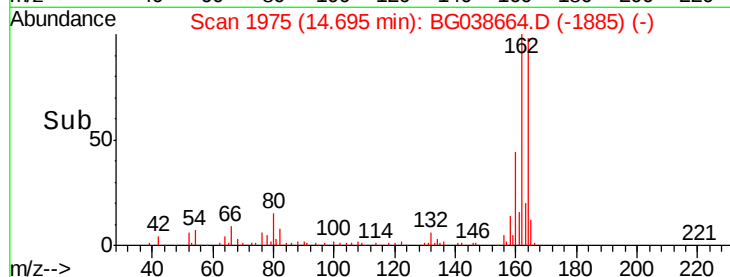
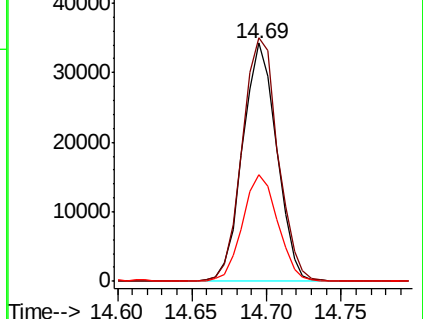
160 44.8 34.2 51.2



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: 157.165 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG038664.D

Acq: 17 Dec 2018 15:44

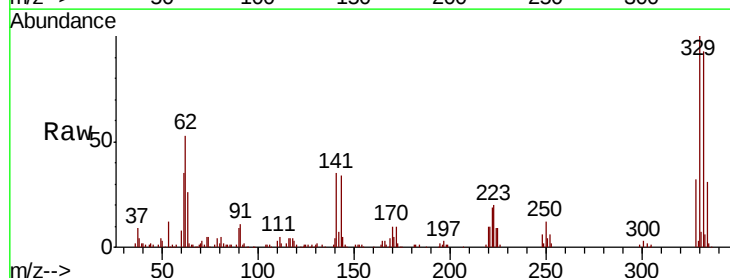
Tgt Ion:330 Resp: 116939

Ion Ratio Lower Upper

330 100

332 95.0 76.9 115.3

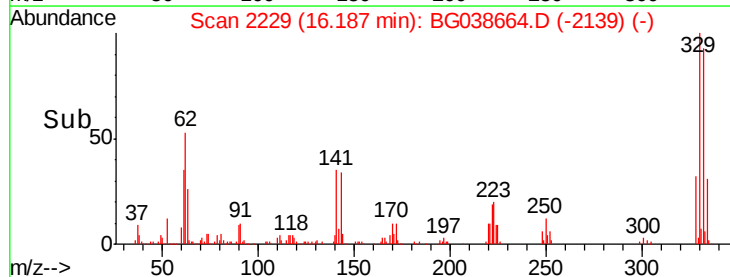
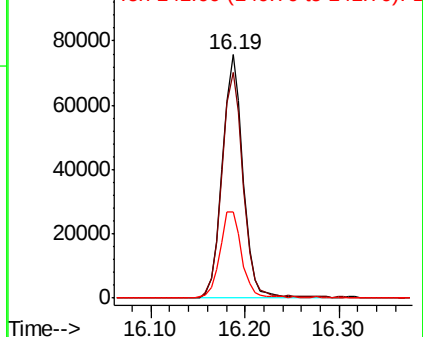
141 37.9 28.8 43.2

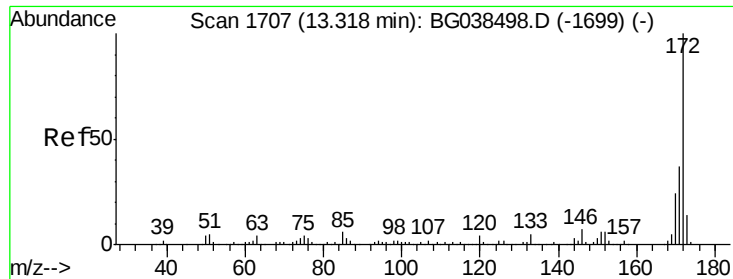


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

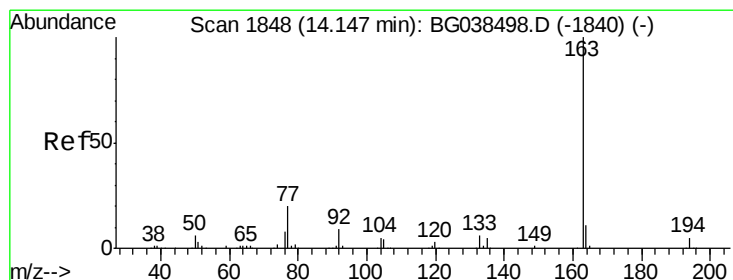
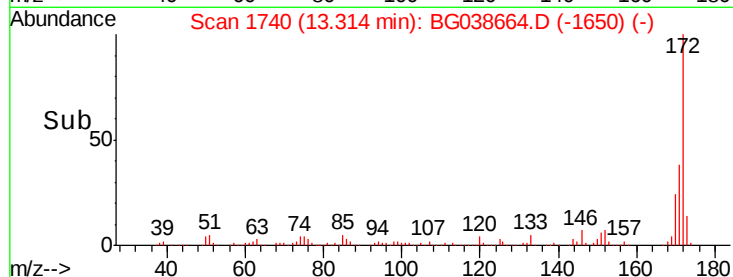
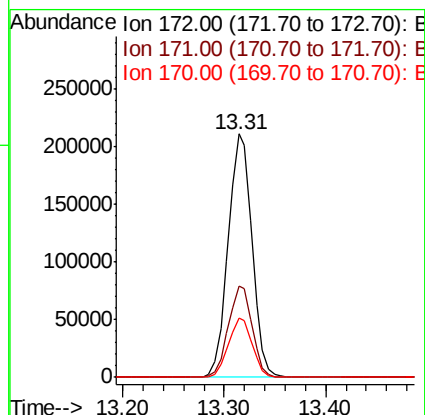
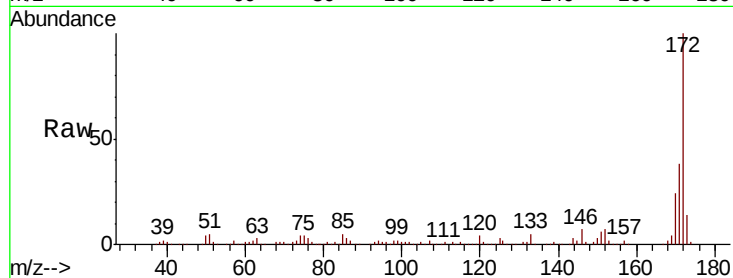




#45
 2-Fluorobiphenyl
 Concen: 87.432 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: BG038664.D
 Acq: 17 Dec 2018 15:44

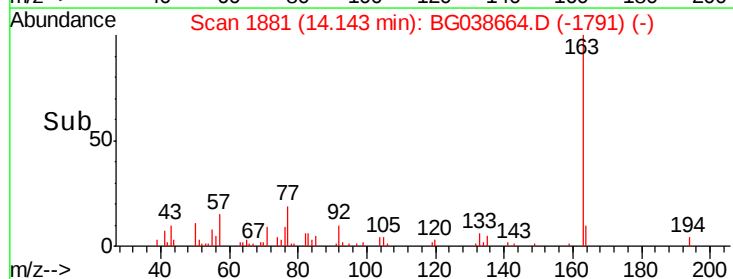
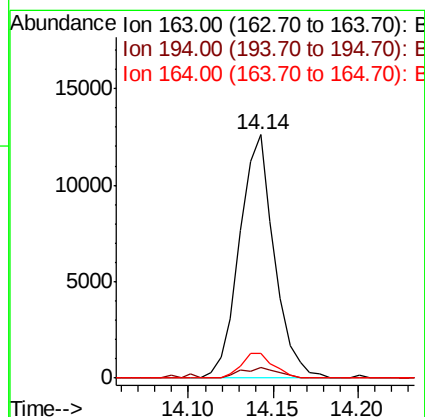
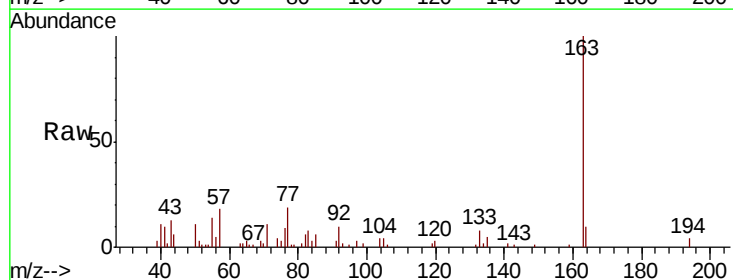
Instrument :
 BNA_G
 ClientSampleId :
 P001-SD013-0612-01

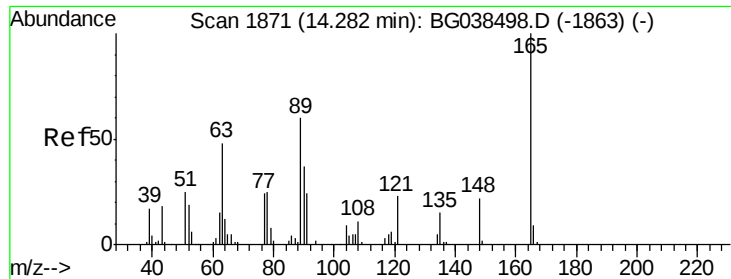
Tgt Ion:172 Resp: 344082
 Ion Ratio Lower Upper
 172 100
 171 37.5 29.8 44.6
 170 24.3 19.5 29.3



#50
 Dimethylphthalate
 Concen: 4.106 ng
 RT: 14.14 min Scan# 1881
 Delta R.T. -0.00 min
 Lab File: BG038664.D
 Acq: 17 Dec 2018 15:44

Tgt Ion:163 Resp: 18103
 Ion Ratio Lower Upper
 163 100
 194 4.2 3.7 5.5
 164 10.4 8.6 12.8

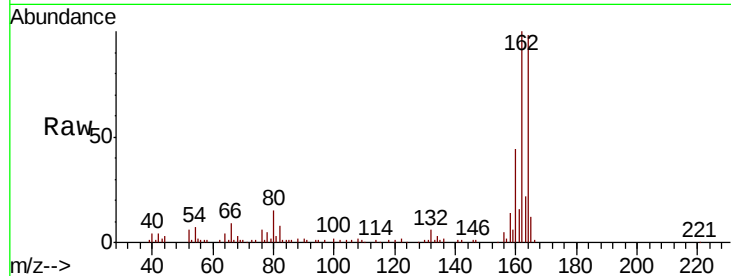




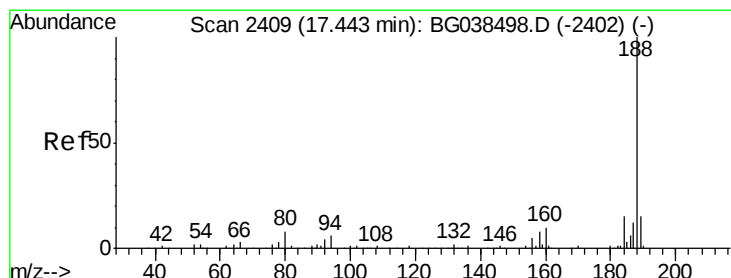
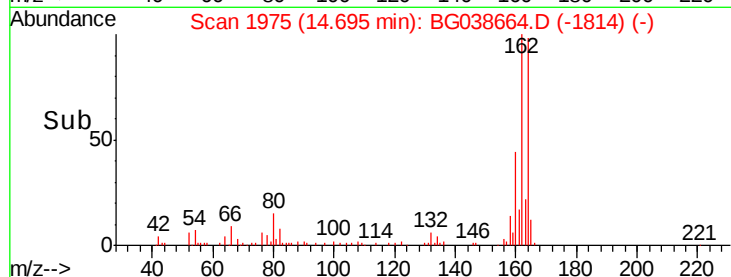
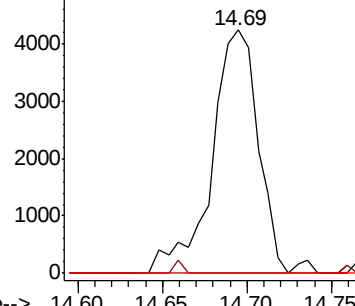
#51
 2,6-Dinitrotoluene
 Concen: 8.024 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038664.D
 Acq: 17 Dec 2018 15:44

Instrument :
 BNA_G
 ClientSampleId :
 P001-SD013-0612-01

Tgt Ion:165 Resp: 8017
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.6#
 89 0.0 47.9 71.9#

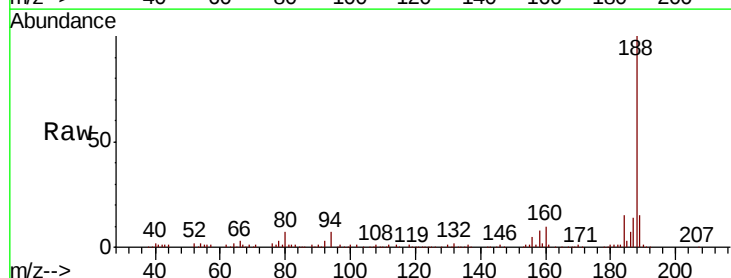


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

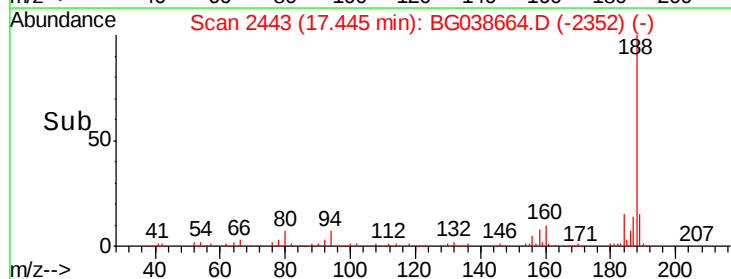
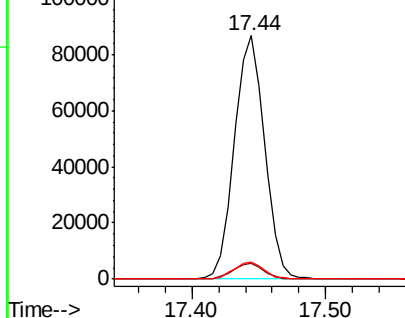


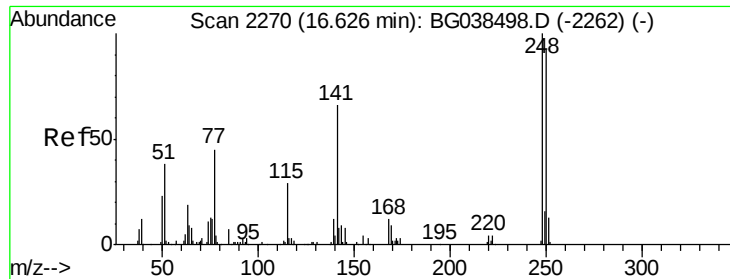
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BG038664.D
 Acq: 17 Dec 2018 15:44

Tgt Ion:188 Resp: 136340
 Ion Ratio Lower Upper
 188 100
 94 6.6 5.1 7.7
 80 6.8 6.1 9.1



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

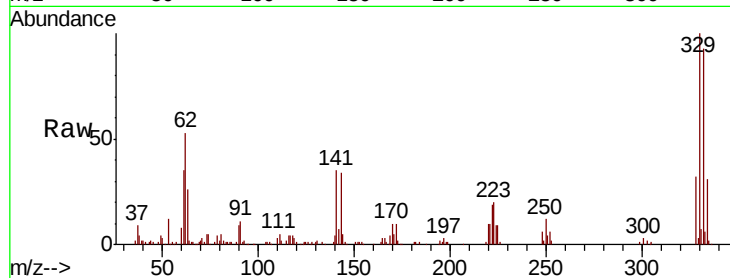




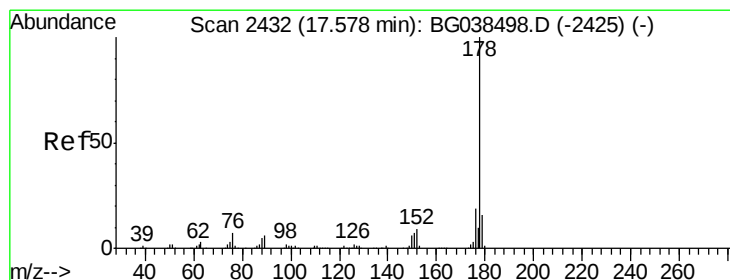
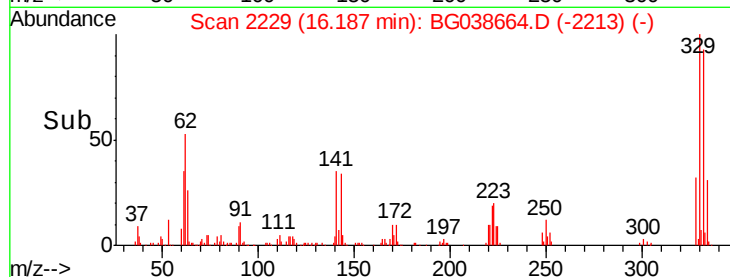
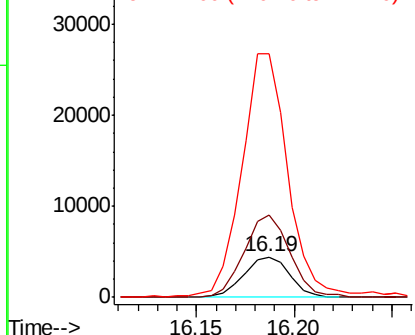
#67
4-Bromophenyl-phenylether
Concen: 4.351 ng
RT: 16.19 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038664.D
Acq: 17 Dec 2018 15:44

Instrument :
BNA_G
ClientSampleId :
P001-SD013-0612-01

Tgt Ion:248 Resp: 7245
Ion Ratio Lower Upper
248 100
250 206.2 73.4 110.2#
141 463.4 52.9 79.3#

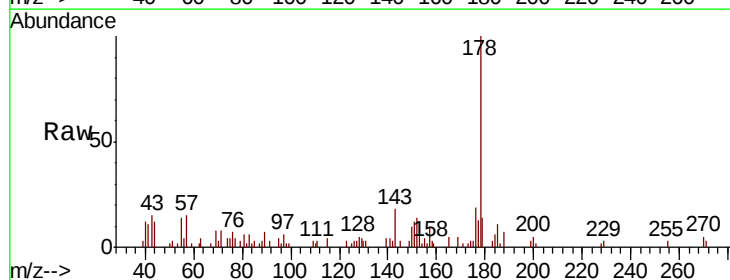


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

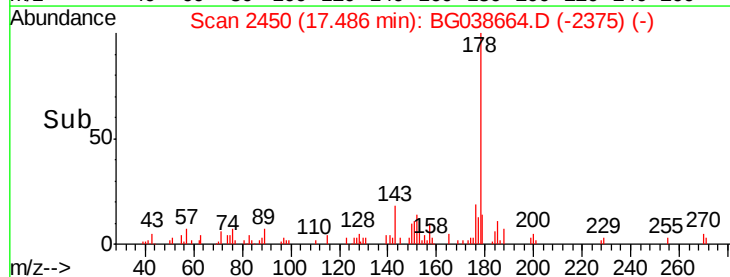
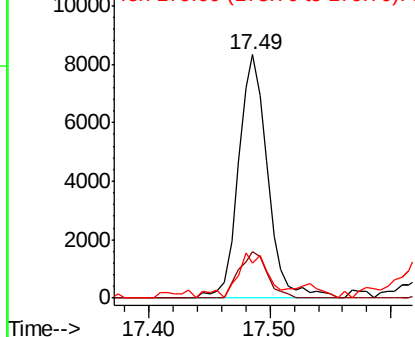


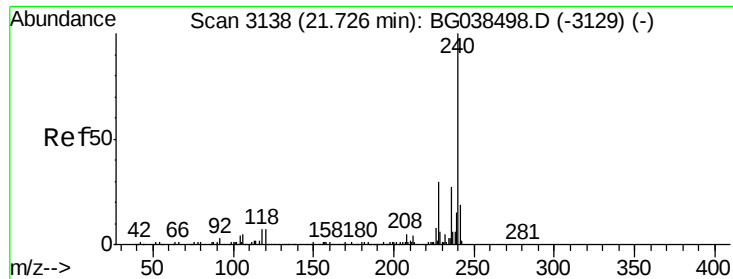
#72
Anthracene
Concen: 2.011 ng
RT: 17.49 min Scan# 2450
Delta R.T. -0.09 min
Lab File: BG038664.D
Acq: 17 Dec 2018 15:44

Tgt Ion:178 Resp: 14036
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 14.4 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

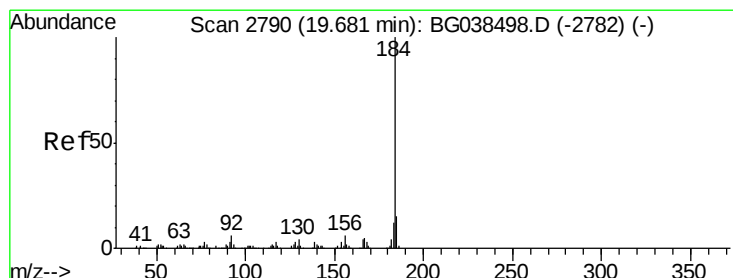
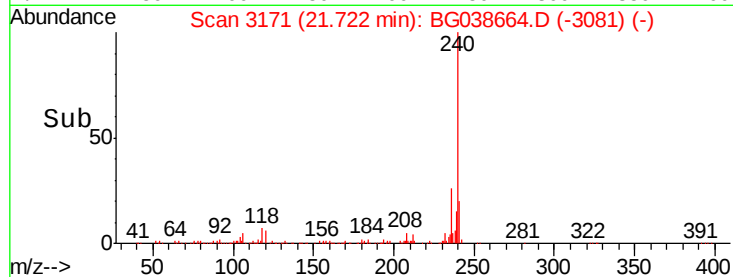
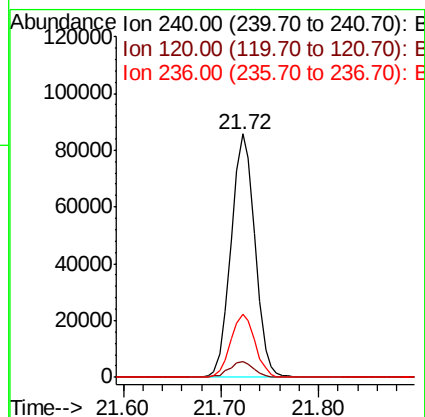
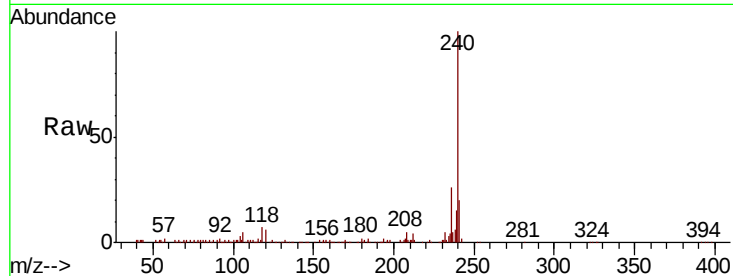




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.00 min
Lab File: BG038664.D
Acq: 17 Dec 2018 15:44

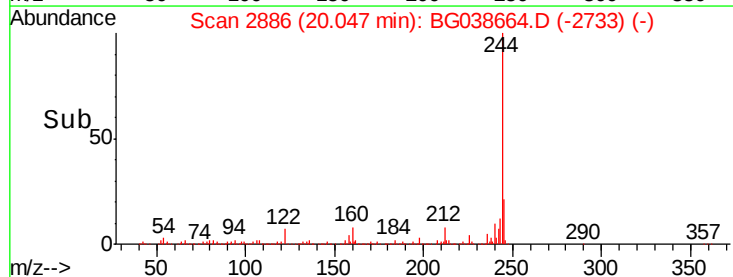
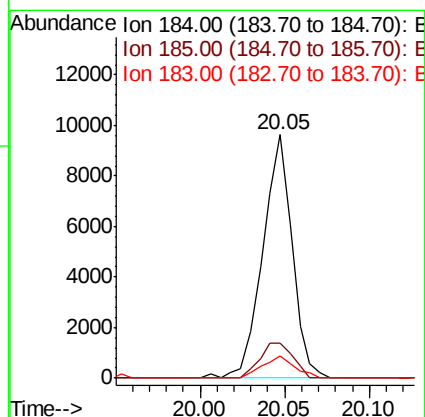
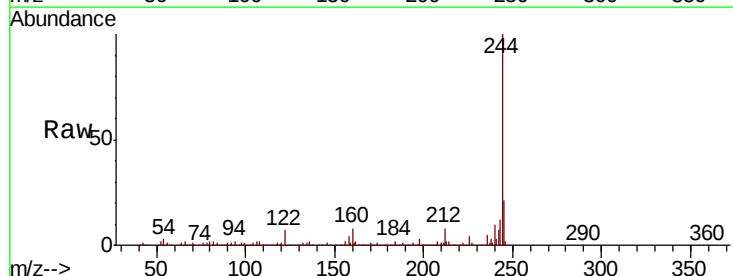
Instrument :
BNA_G
ClientSampleId :
P001-SD013-0612-01

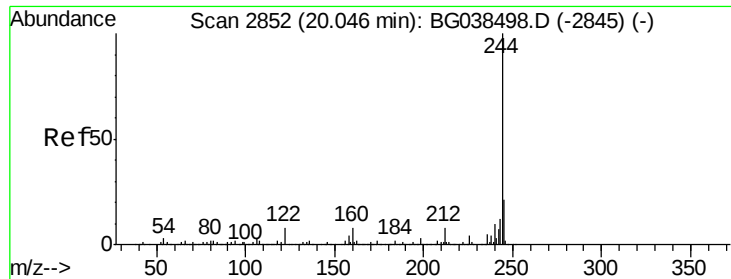
Tgt Ion:240 Resp: 145950
Ion Ratio Lower Upper
240 100
120 6.4 5.3 7.9
236 26.0 21.4 32.2



#77
Benzidine
Concen: 2.688 ng
RT: 20.05 min Scan# 2886
Delta R.T. 0.37 min
Lab File: BG038664.D
Acq: 17 Dec 2018 15:44

Tgt Ion:184 Resp: 11603
Ion Ratio Lower Upper
184 100
185 14.2 12.2 18.2
183 9.3 9.6 14.4#





#79

Terphenyl-d14

Concen: 93.238 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG038664.D

Acq: 17 Dec 2018 15:44

Instrument :

BNA_G

ClientSampleId :

P001-SD013-0612-01

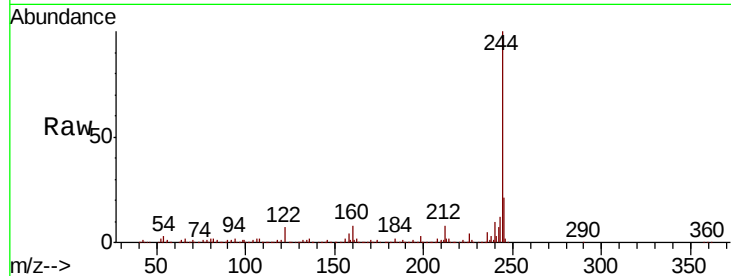
Tgt Ion:244 Resp: 625273

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

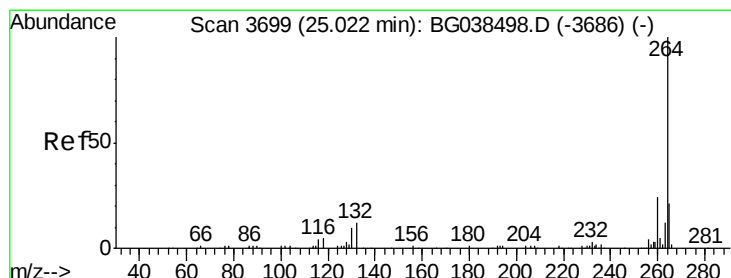
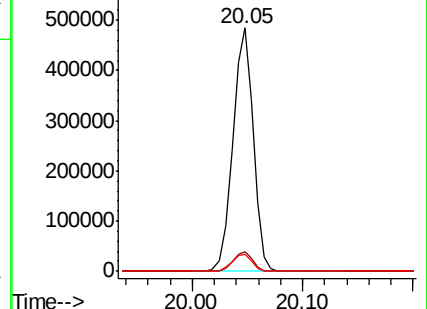
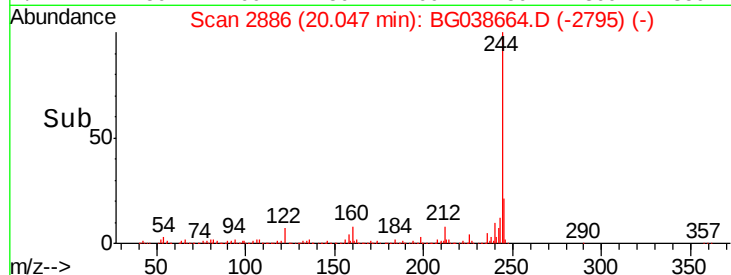
122 7.0 6.3 9.5



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: 25.02 min Scan# 3733

Delta R.T. 0.00 min

Lab File: BG038664.D

Acq: 17 Dec 2018 15:44

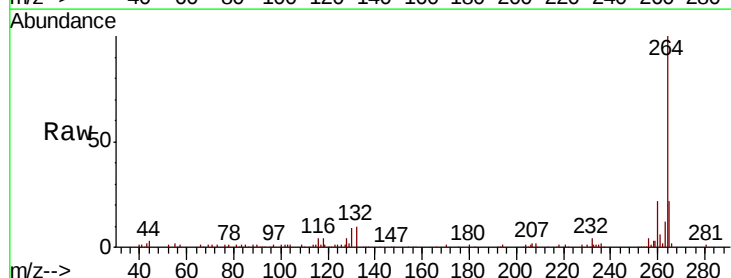
Tgt Ion:264 Resp: 160459

Ion Ratio Lower Upper

264 100

260 22.2 18.9 28.3

265 21.7 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

