

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121218\
 Data File : BG038509.D
 Acq On : 12 Dec 2018 22:04
 Operator : JU/SJ
 Sample : J6193-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-121018-B

Quant Time: Dec 13 06:11:03 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	22982	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	91073	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	60564	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	166027	20.00	ng	0.00
76) Chrysene-d12	21.72	240	191028	20.00	ng	0.00
87) Perylene-d12	25.01	264	193762	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	181500	140.07	ng	0.00
7) Phenol-d6	7.21	99	218616	122.90	ng	0.00
23) Nitrobenzene-d5	9.24	82	182309	102.27	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	148491	177.90	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	430320	97.47	ng	0.00
79) Terphenyl-d14	20.05	244	965304	109.97	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.57	88	60	0.099	ng	# 1
4) n-Nitrosodimethylamine	3.82	42	302	0.371	ng	# 1
6) Aniline	7.58	93	90	0.040	ng	# 1
9) Benzaldehyde	7.20	77	788	0.683	ng	# 1
10) Phenol	7.60	94	421	0.223	ng	# 1
11) bis(2-Chloroethyl)ether	7.58	93	90	0.060	ng	# 1
15) Benzyl Alcohol	8.38	79	2880	2.074	ng	# 58
16) 2,2'-oxybis(1-Chloropropan	8.58	45	352	0.102	ng	# 78
18) Hexachloroethane	9.17	117	66	0.099	ng	# 33
19) n-Nitroso-di-n-propylamine	9.23	70	23817	19.064	ng	# 67
22) Acetophenone	8.90	105	56	0.025	ng	# 43
24) Nitrobenzene	9.23	77	730	0.405	ng	# 39
27) 2,4-Dimethylphenol	10.25	122	54	0.041	ng	# 1
31) Naphthalene	10.93	128	2320	0.517	ng	# 90
32) Benzoic acid	10.25	122	54	10.215	ng	# 1
33) 4-Chloroaniline	10.93	127	259	0.133	ng	# 47
37) 2-Methylnaphthalene	12.54	142	707	0.221	ng	# 73
38) 1-Methylnaphthalene	12.75	142	139	0.045	ng	# 85
46) 1,1'-Biphenyl	13.54	154	632	0.124	ng	# 41
48) 2-Nitroaniline	13.32	65	557	0.446	ng	# 1
51) 2,6-Dinitrotoluene	14.70	165	7718	6.886	ng	# 19
52) Acenaphthene	14.70	154	142	0.041	ng	# 4
57) 2,4-Dinitrotoluene	14.70	165	7718	4.889	ng	# 21
58) Fluorene	16.19	166	4583	1.029	ng	# 91
59) 2,3,4,6-Tetrachlorophenol	15.32	232	239	0.180	ng	# 41
60) Diethylphthalate	15.50	149	59	0.011	ng	# 59
63) Azobenzene	16.19	77	655	0.144	ng	# 36
65) 4,6-Dinitro-2-methylphenol	16.19	198	469	0.396	ng	# 71
66) n-Nitrosodiphenylamine	16.19	169	5267	1.080	ng	# 46
67) 4-Bromophenyl-phenylether	16.19	248	9512	4.691	ng	# 1
70) Pentachlorophenol	17.12	266	59	0.047	ng	# 15
71) Phenanthrene	17.49	178	624	0.072	ng	# 60
72) Anthracene	17.49	178	624	0.073	ng	# 60
74) Di-n-butylphthalate	18.38	149	706	0.073	ng	# 77

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121218\
Data File : BG038509.D
Acq On : 12 Dec 2018 22:04
Operator : JU/SJ
Sample : J6193-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-01-121018-B

Quant Time: Dec 13 06:11:03 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

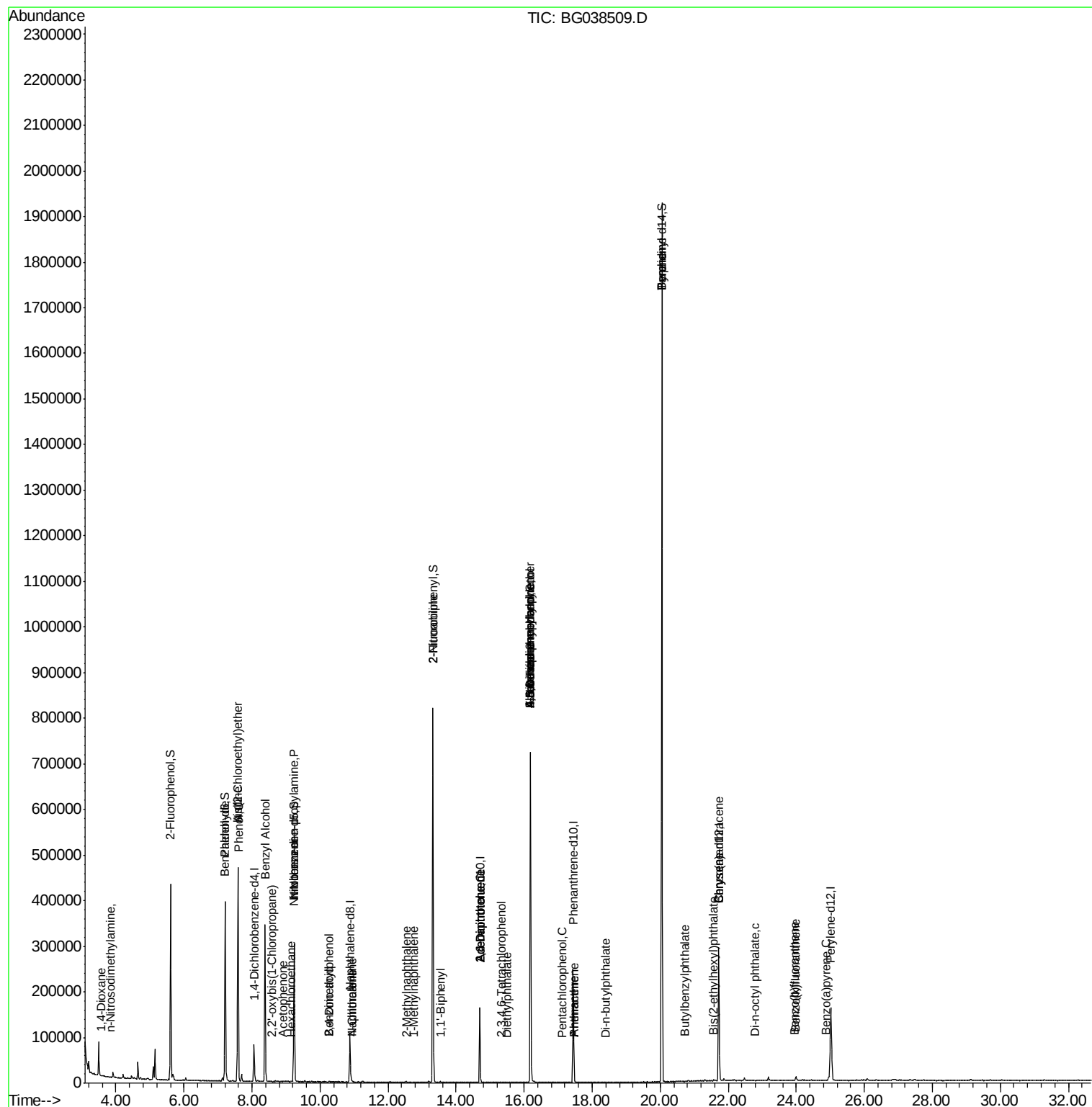
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Benzidine	20.04	184	16988	3.007	ng	# 93
78) Pyrene	20.05	202	3614	0.286	ng	# 74
80) Butylbenzylphthalate	20.73	149	174	0.035	ng	# 25
81) Benzo(a)anthracene	21.72	228	529	0.045	ng	# 51
83) Chrysene	21.72	228	529	0.047	ng	# 48
84) Bis(2-ethylhexyl)phthalate	21.57	149	855	0.122	ng	# 95
85) Di-n-octyl phthalate	22.78	149	65	0.006	ng	# 73
88) Benzo(b)fluoranthene	23.96	252	56	0.005	ng	# 59
89) Benzo(k)fluoranthene	23.99	252	64	0.006	ng	# 58
90) Benzo(a)pyrene	24.87	252	54	0.005	ng	# 60

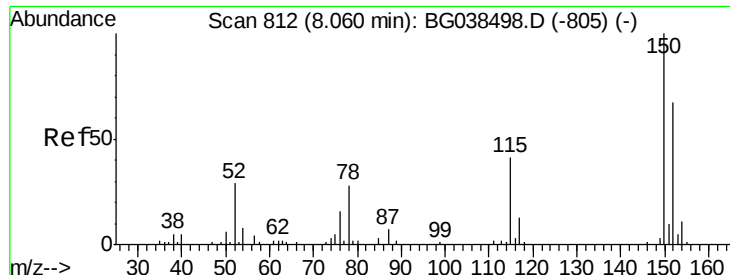
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121218\
Data File : BG038509.D
Acq On : 12 Dec 2018 22:04
Operator : JU/SJ
Sample : J6193-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-01-121018-B

Quant Time: Dec 13 06:11:03 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.06 min Scan# 846

Delta R.T. -0.00 min

Lab File: BG038509.D

Acq: 12 Dec 2018 22:04

Instrument :

BNA_G

ClientSampleId :

CL-01-121018-B

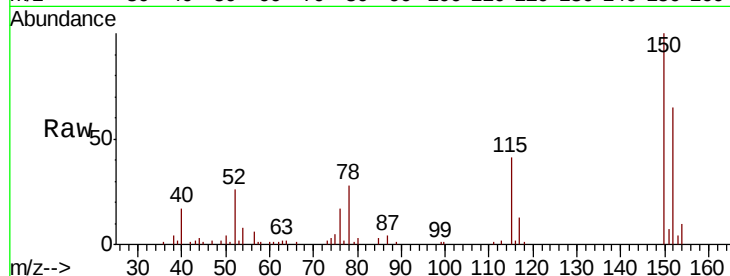
Tgt Ion: 152 Resp: 22982

Ion Ratio Lower Upper

152 100

150 154.9 119.5 179.3

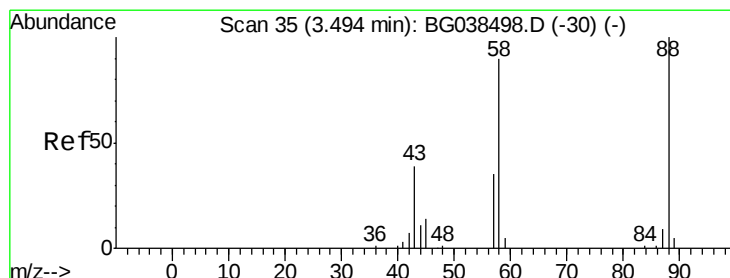
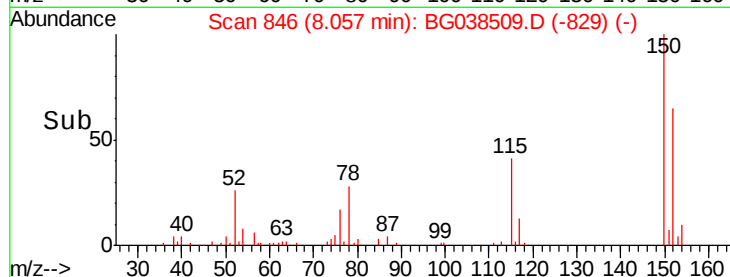
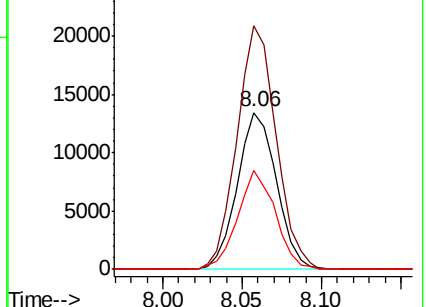
115 63.1 49.6 74.4



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



#2

1,4-Dioxane

Concen: 0.099 ng

RT: 3.57 min Scan# 82

Delta R.T. 0.07 min

Lab File: BG038509.D

Acq: 12 Dec 2018 22:04

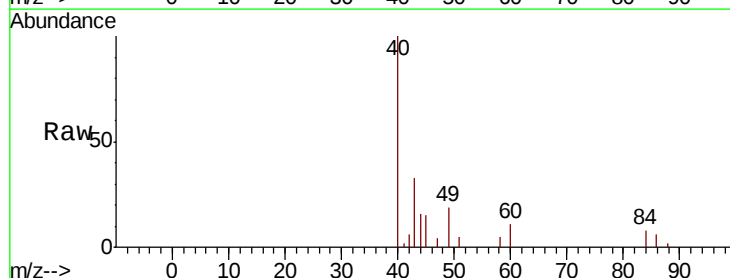
Tgt Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

58 968.3 75.7 113.5#

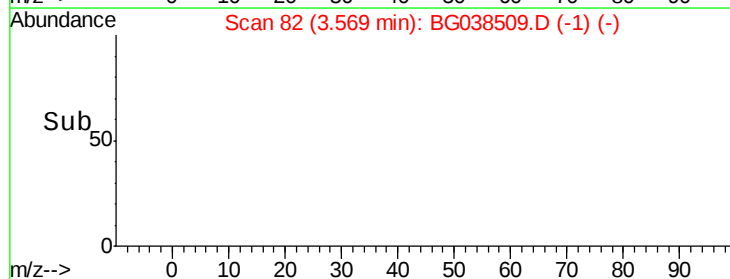
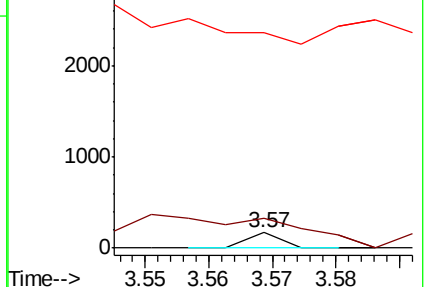
43 0.0 31.6 47.4#

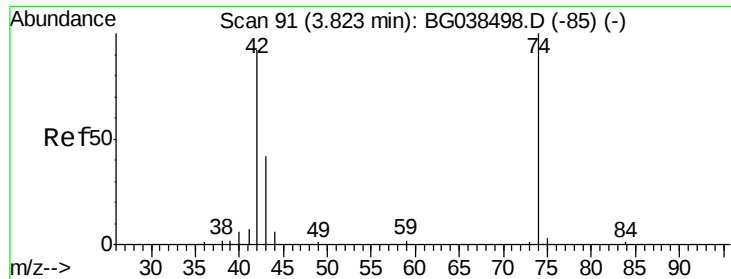


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC



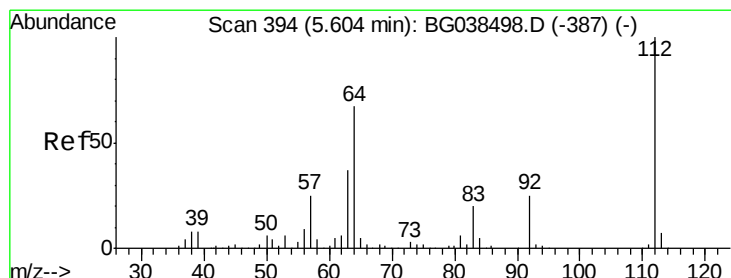
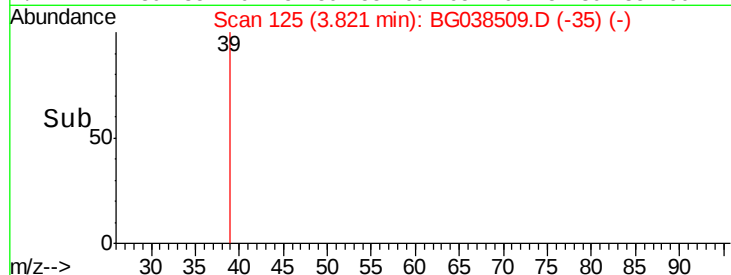
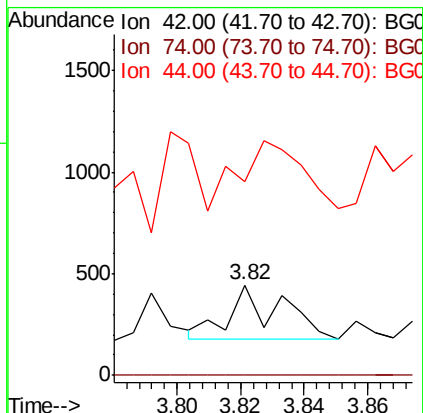
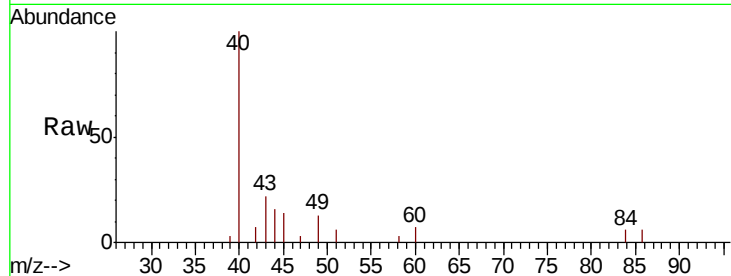


#4

n-Nitrosodimethylamine
 Concen: 0.371 ng
 RT: 3.82 min Scan# 125
 Delta R.T. -0.00 min
 Lab File: BG038509.D
 Acq: 12 Dec 2018 22:04

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-121018-B

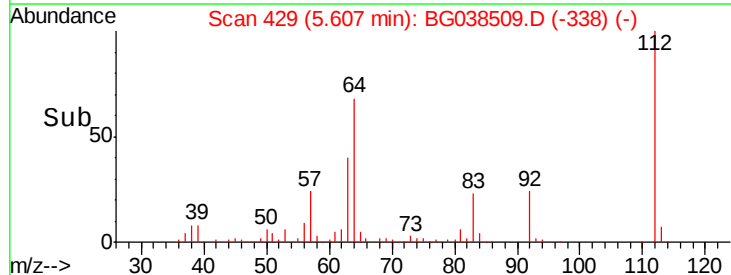
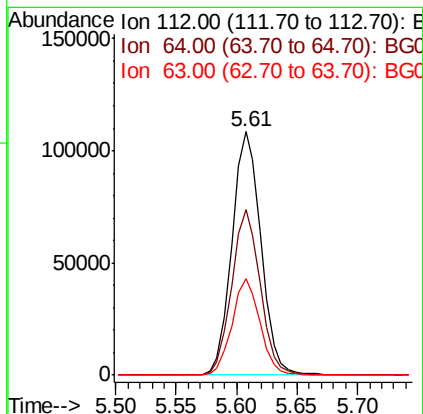
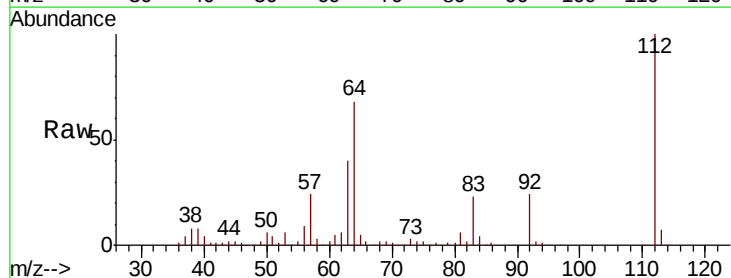
Tgt Ion: 42 Resp: 302
 Ion Ratio Lower Upper
 42 100
 74 0.0 86.7 130.1#
 44 215.8 7.8 11.8#

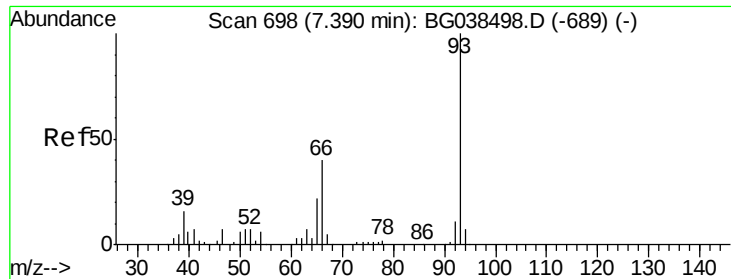


#5

2-Fluorophenol
 Concen: 140.074 ng
 RT: 5.61 min Scan# 429
 Delta R.T. 0.00 min
 Lab File: BG038509.D
 Acq: 12 Dec 2018 22:04

Tgt Ion: 112 Resp: 181500
 Ion Ratio Lower Upper
 112 100
 64 67.8 53.4 80.2
 63 39.8 29.3 43.9

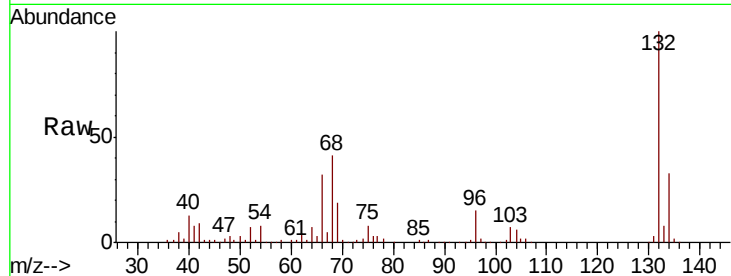




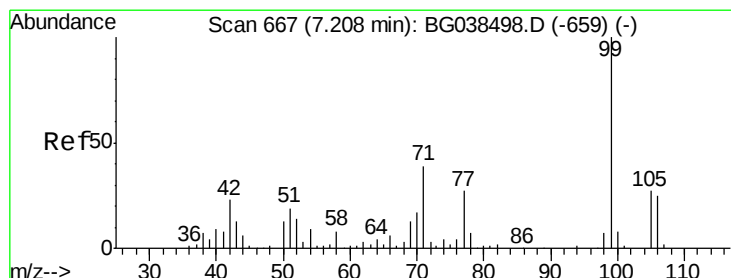
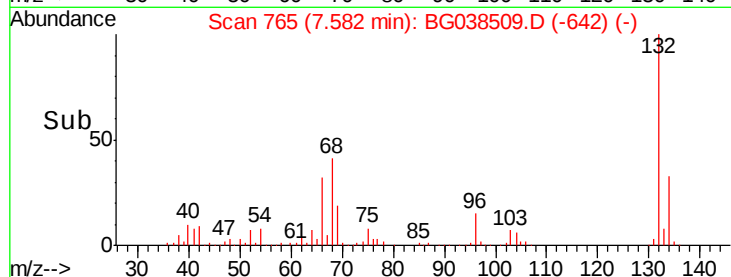
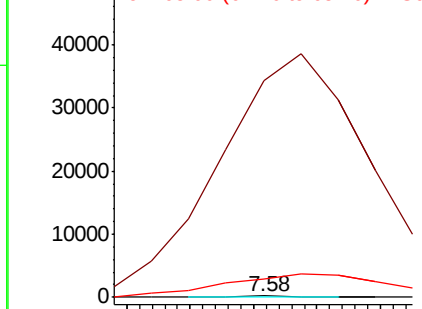
#6
 Aniline
 Concen: 0.040 ng
 RT: 7.58 min Scan# 765
 Delta R.T. 0.19 min
 Lab File: BG038509.D
 Acq: 12 Dec 2018 22:04

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-121018-B

Tgt Ion: 93 Resp: 90
 Ion Ratio Lower Upper
 93 100
 66 13468.2 31.7 47.5#
 65 1104.7 17.8 26.6#

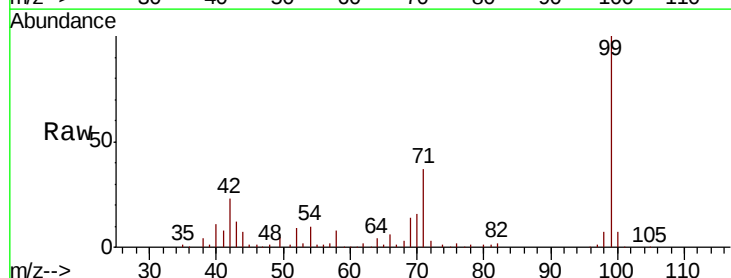


Abundance Ion 93.00 (92.70 to 93.70): BGC
 Ion 66.00 (65.70 to 66.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC

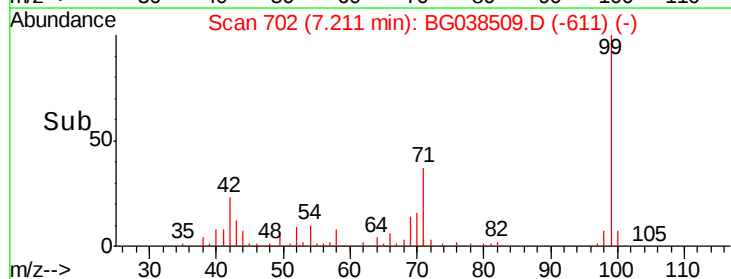
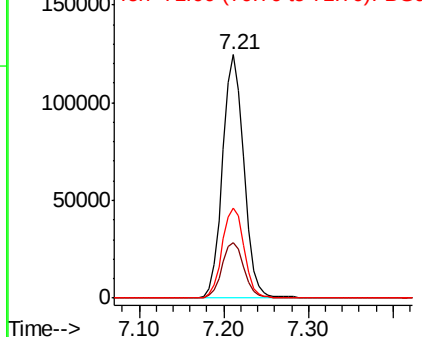


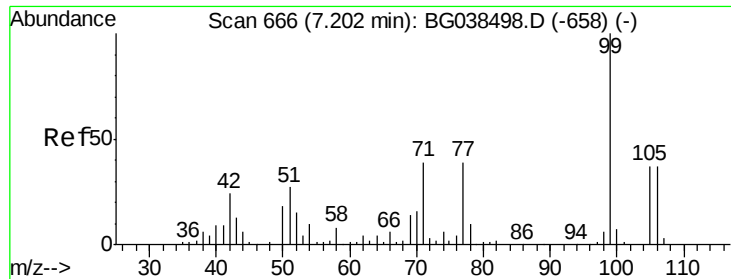
#7
 Phenol-d6
 Concen: 122.900 ng
 RT: 7.21 min Scan# 702
 Delta R.T. 0.00 min
 Lab File: BG038509.D
 Acq: 12 Dec 2018 22:04

Tgt Ion: 99 Resp: 218616
 Ion Ratio Lower Upper
 99 100
 42 22.7 18.5 27.7
 71 37.1 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





#9

Benzaldehyde

Concen: 0.683 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG038509.D

Acq: 12 Dec 2018 22:04

Instrument :

BNA_G

ClientSampleId :

CL-01-121018-B

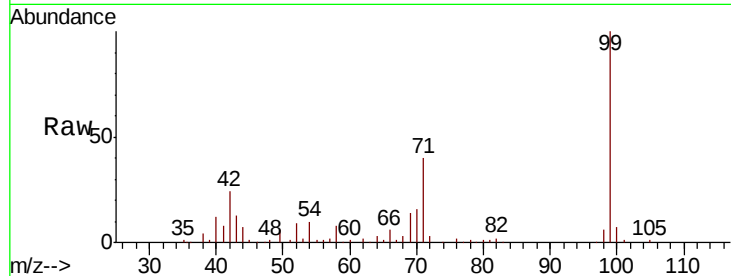
Tgt Ion: 77 Resp: 788

Ion Ratio Lower Upper

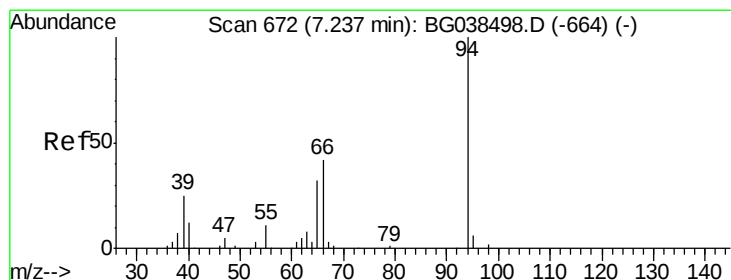
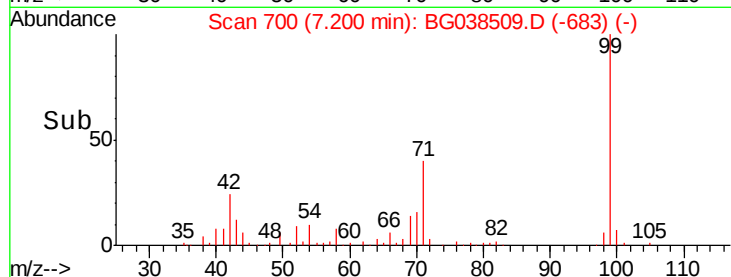
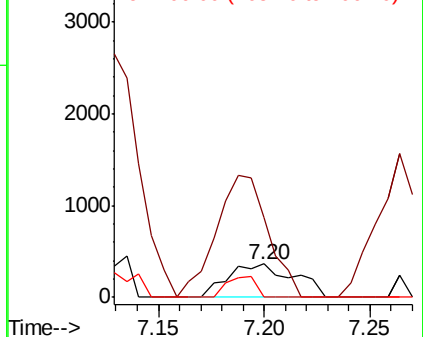
77 100

105 239.4 74.0 114.0#

106 0.0 73.9 113.9#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 0.223 ng

RT: 7.60 min Scan# 768

Delta R.T. 0.36 min

Lab File: BG038509.D

Acq: 12 Dec 2018 22:04

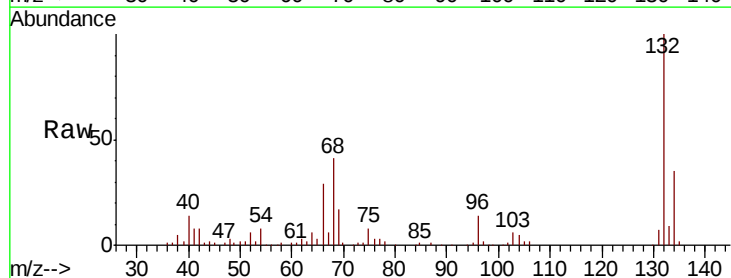
Tgt Ion: 94 Resp: 421

Ion Ratio Lower Upper

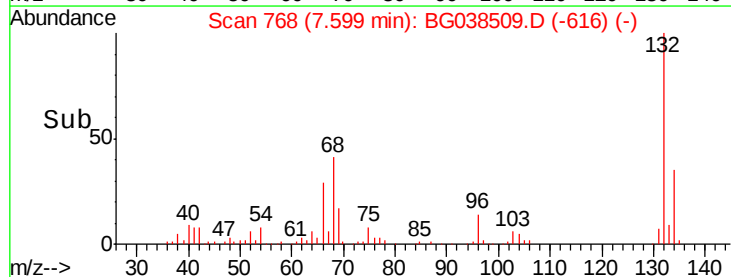
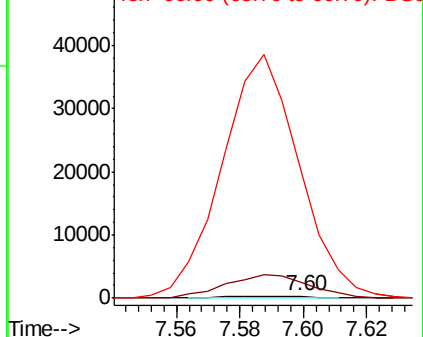
94 100

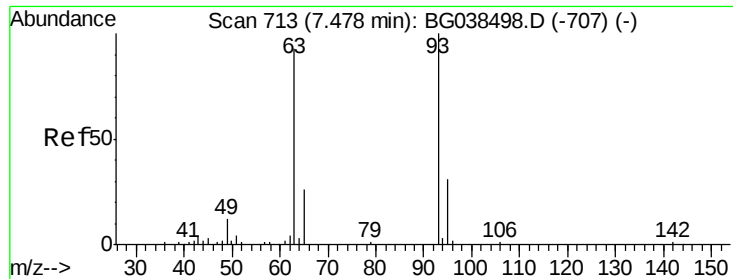
65 829.2 12.6 52.6#

66 6944.3 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

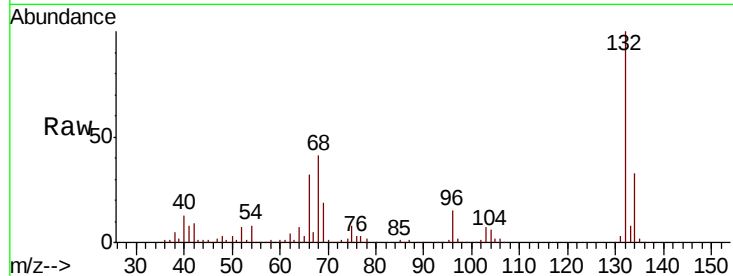




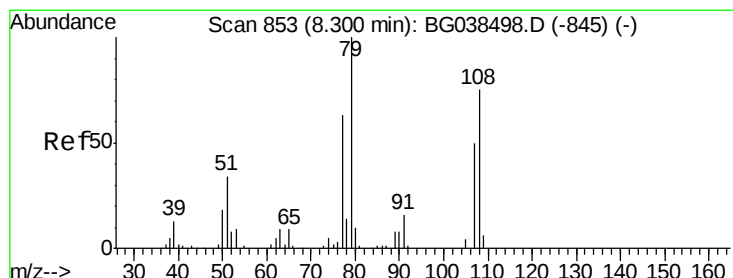
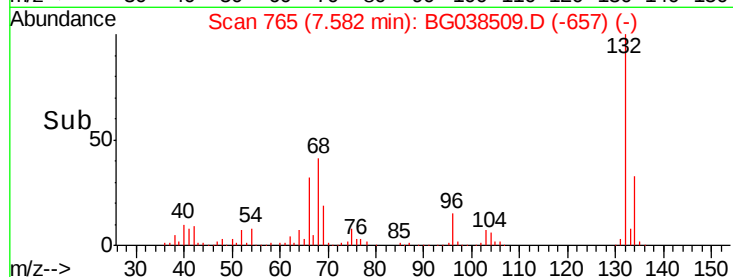
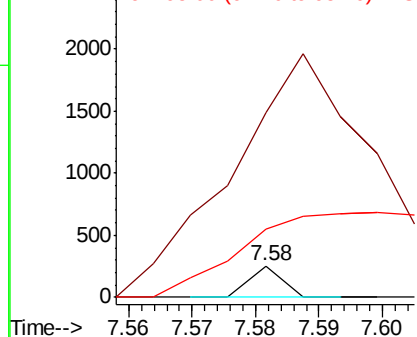
#11
bis(2-Chloroethyl)ether
Concen: 0.060 ng
RT: 7.58 min Scan# 765
Delta R.T. 0.10 min
Lab File: BG038509.D
Acq: 12 Dec 2018 22:04

Instrument :
BNA_G
ClientSampleId :
CL-01-121018-B

Tgt Ion: 93 Resp: 90
Ion Ratio Lower Upper
93 100
63 582.7 72.2 112.2#
95 217.6 11.2 51.2#

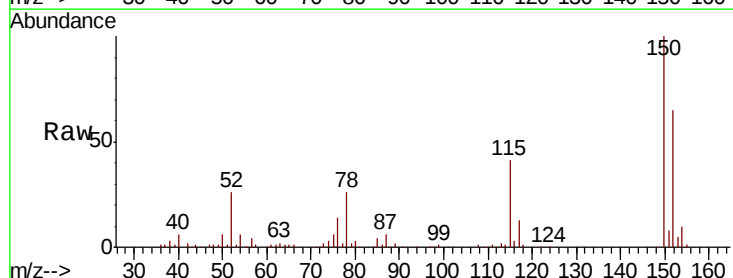


Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

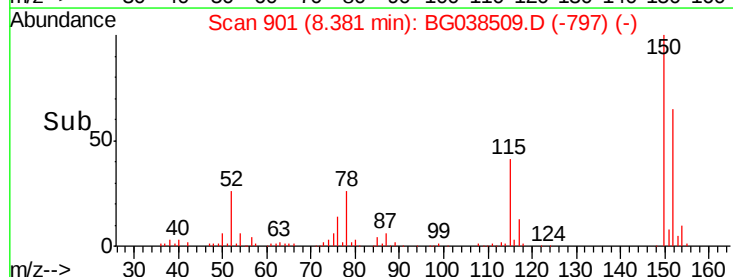
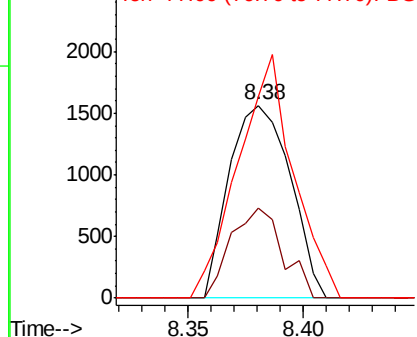


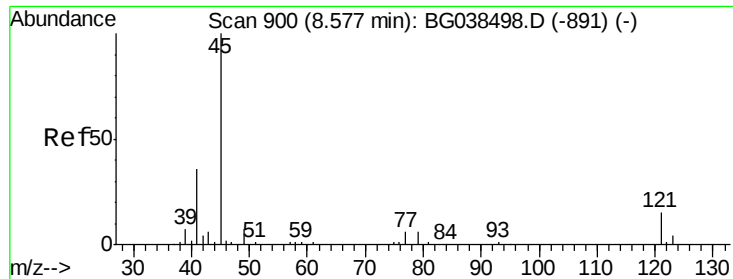
#15
Benzyl Alcohol
Concen: 2.074 ng
RT: 8.38 min Scan# 901
Delta R.T. 0.08 min
Lab File: BG038509.D
Acq: 12 Dec 2018 22:04

Tgt Ion: 79 Resp: 2880
Ion Ratio Lower Upper
79 100
108 47.0 60.2 90.4#
77 104.4 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

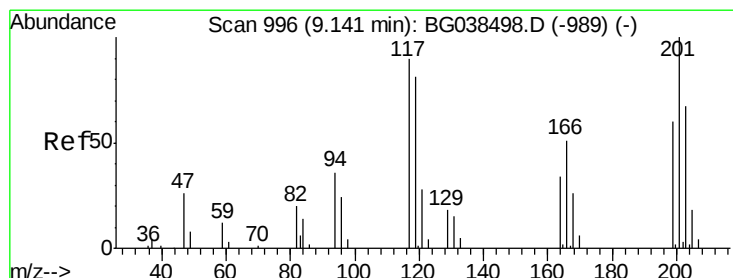
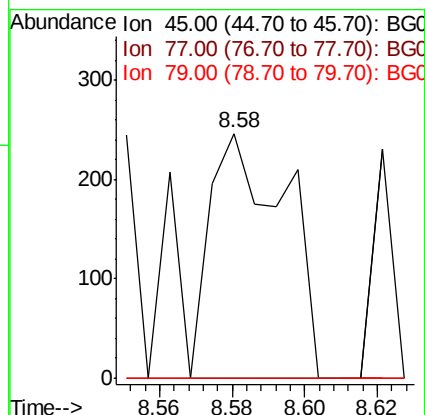
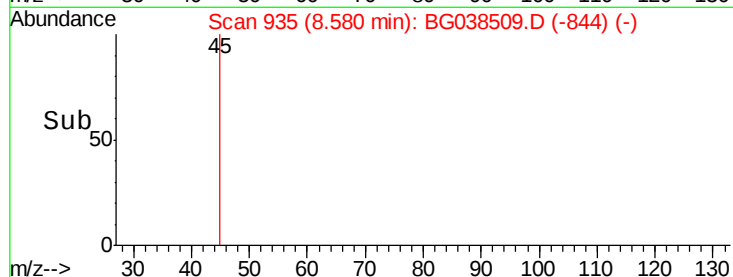
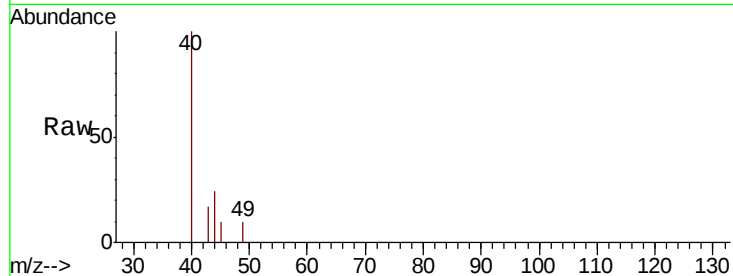




#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.102 ng
RT: 8.58 min Scan# 935
Delta R.T. 0.00 min
Lab File: BG038509.D
Acq: 12 Dec 2018 22:04

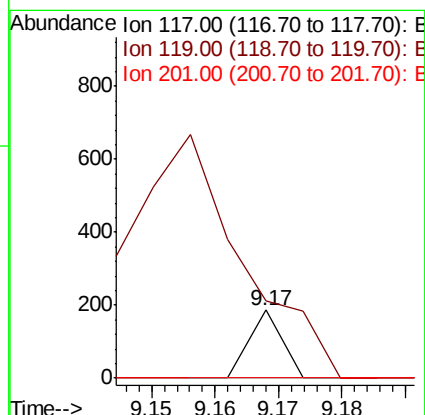
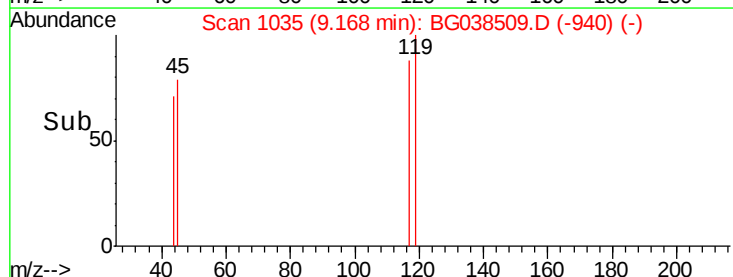
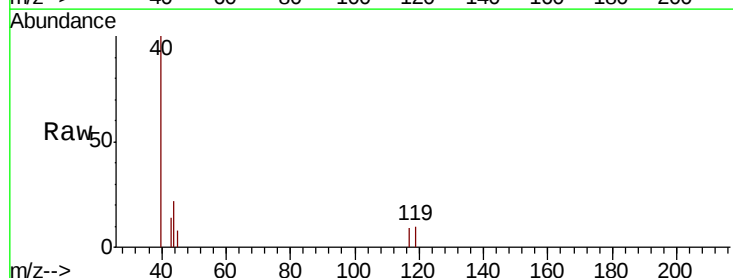
Instrument :
BNA_G
ClientSampleId :
CL-01-121018-B

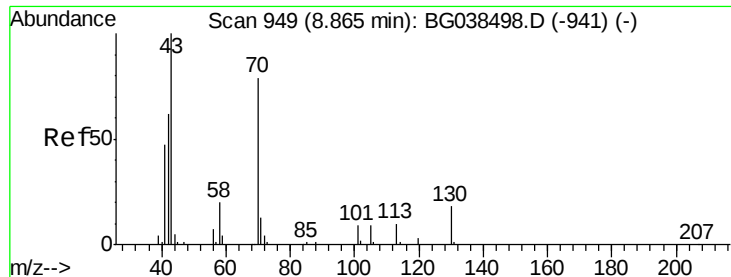
Tgt Ion: 45 Resp: 352
Ion Ratio Lower Upper
45 100
77 0.0 0.0 28.2
79 0.0 0.0 27.2



#18
Hexachloroethane
Concen: 0.099 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.03 min
Lab File: BG038509.D
Acq: 12 Dec 2018 22:04

Tgt Ion: 117 Resp: 66
Ion Ratio Lower Upper
117 100
119 113.4 73.8 110.8#
201 0.0 89.4 134.0#

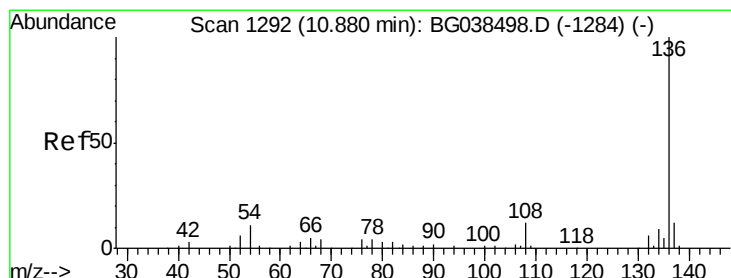
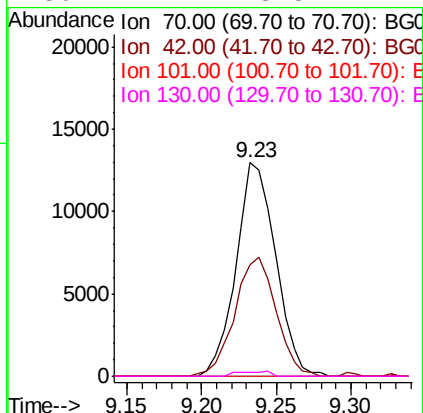
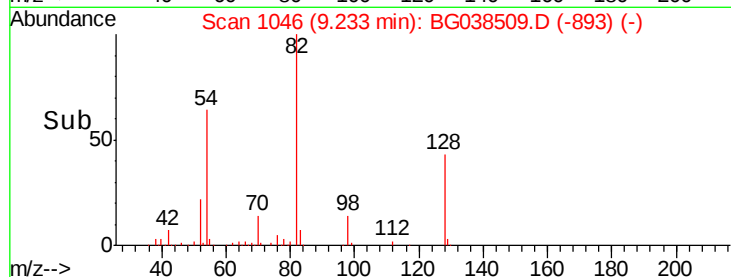
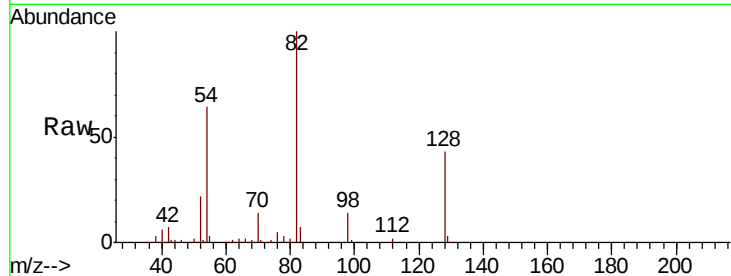




#19
n-Nitroso-di-n-propylamine
Concen: 19.064 ng
RT: 9.23 min Scan# 1046
Delta R.T. 0.37 min
Lab File: BG038509.D
Acq: 12 Dec 2018 22:04

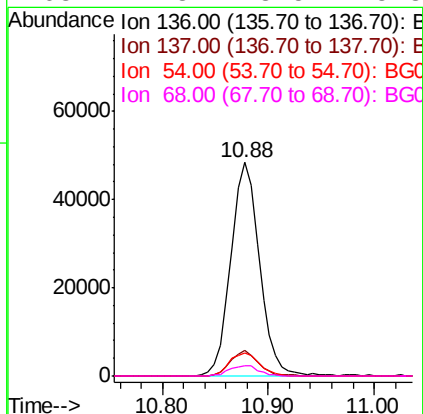
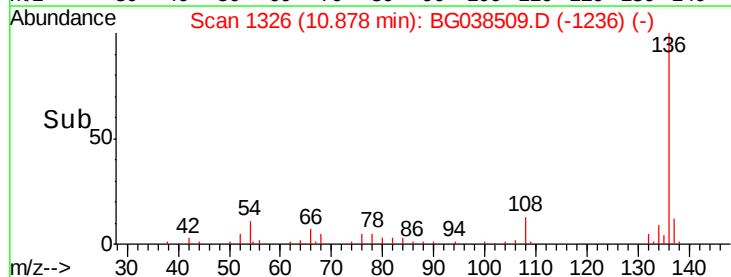
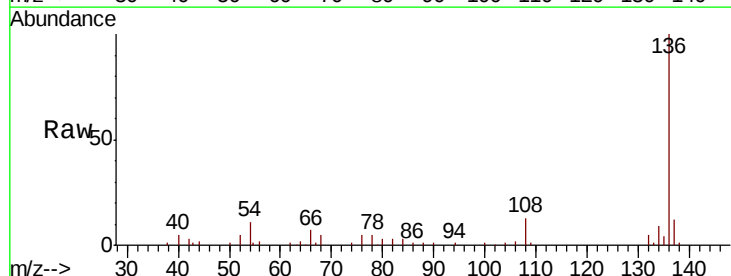
Instrument :
BNA_G
ClientSampleId :
CL-01-121018-B

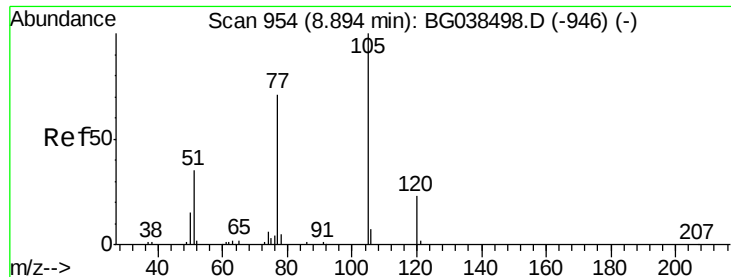
Tgt Ion: 70 Resp: 23817
Ion Ratio Lower Upper
70 100
42 52.4 63.6 95.4#
101 0.0 9.2 13.8#
130 1.7 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG038509.D
Acq: 12 Dec 2018 22:04

Tgt Ion: 136 Resp: 91073
Ion Ratio Lower Upper
136 100
137 12.2 9.3 13.9
54 11.6 8.5 12.7
68 4.8 3.5 5.3

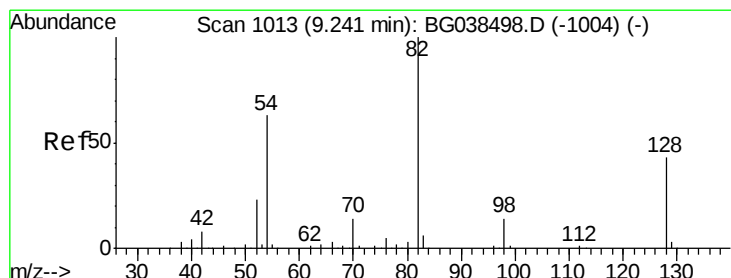
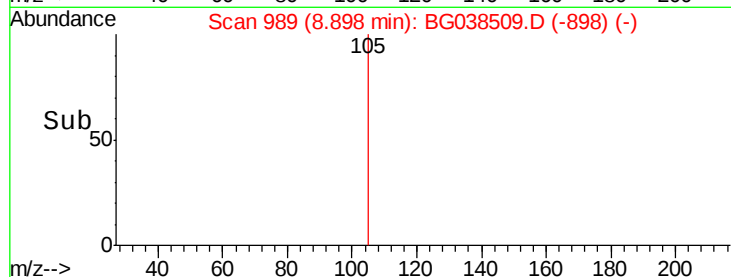
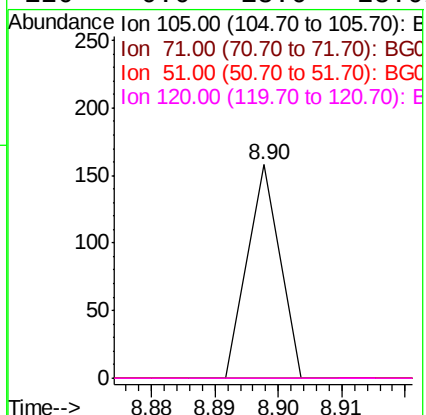
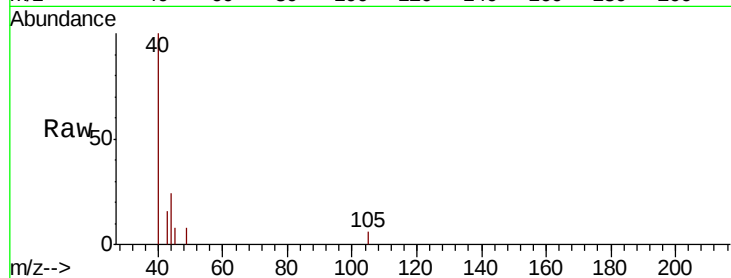




#22
Acetophenone
Concen: 0.025 ng
RT: 8.90 min Scan# 989
Delta R.T. 0.00 min
Lab File: BG038509.D
Acq: 12 Dec 2018 22:04

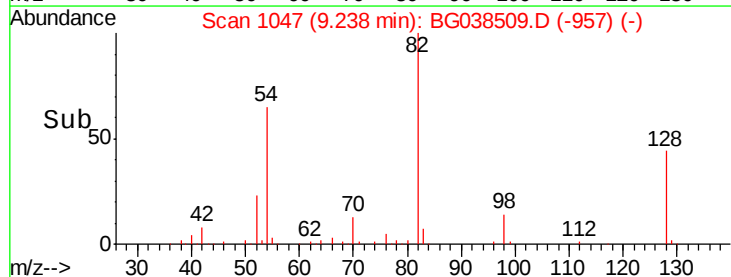
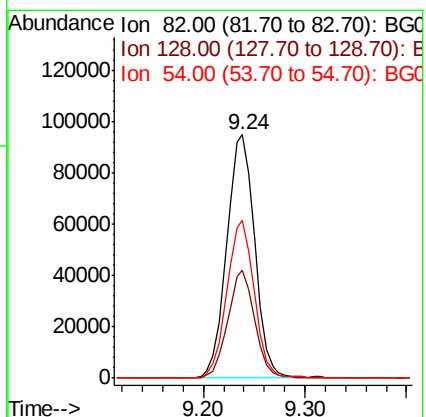
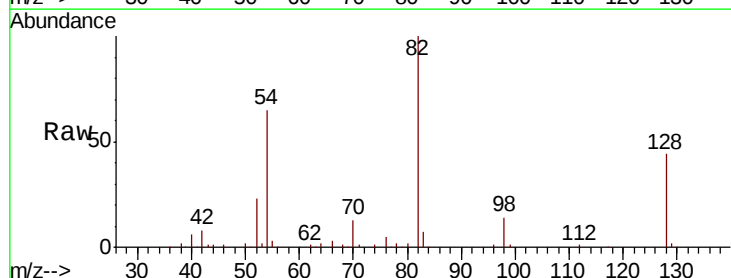
Instrument :
BNA_G
ClientSampleId :
CL-01-121018-B

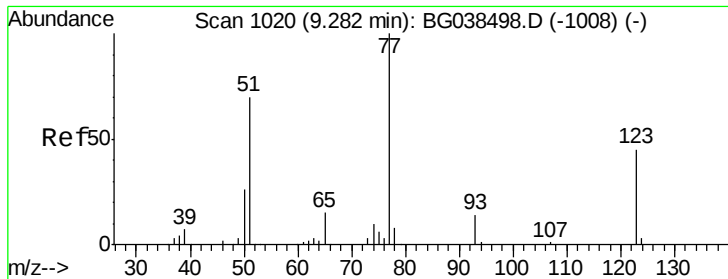
Tgt Ion: 105 Resp: 56
Ion Ratio Lower Upper
105 100
71 0.0 0.4 0.6#
51 0.0 30.6 46.0#
120 0.0 18.6 28.0#



#23
Nitrobenzene-d5
Concen: 102.266 ng
RT: 9.24 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BG038509.D
Acq: 12 Dec 2018 22:04

Tgt Ion: 82 Resp: 182309
Ion Ratio Lower Upper
82 100
128 44.5 34.6 52.0
54 64.6 50.6 76.0

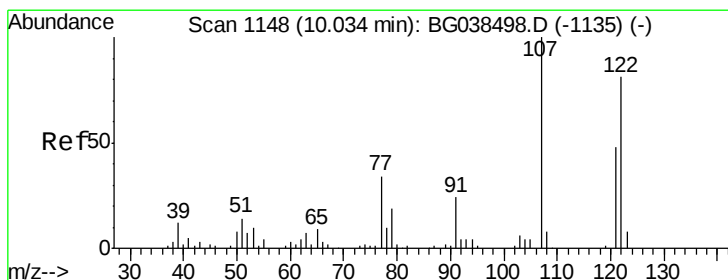
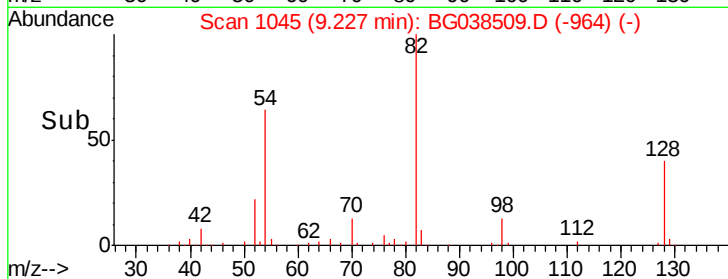
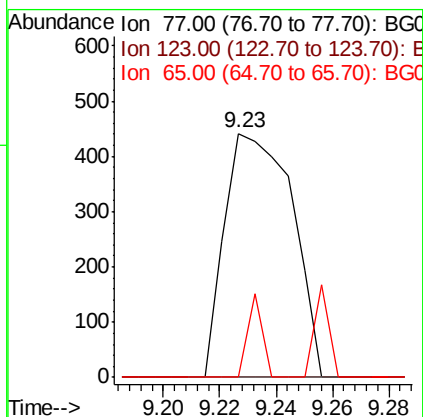
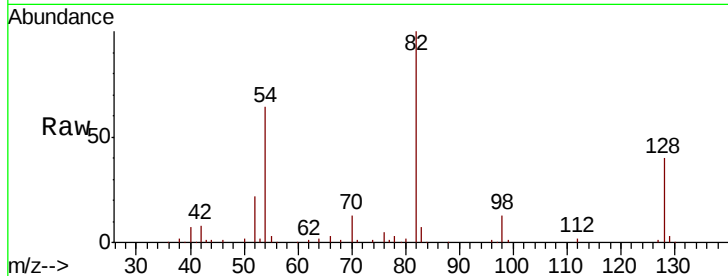




#24
 Nitrobenzene
 Concen: 0.405 ng
 RT: 9.23 min Scan# 1045
 Delta R.T. -0.06 min
 Lab File: BG038509.D
 Acq: 12 Dec 2018 22:04

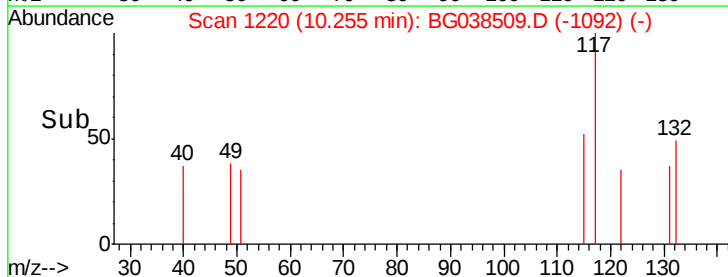
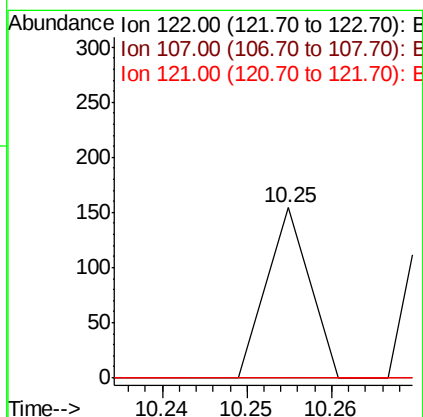
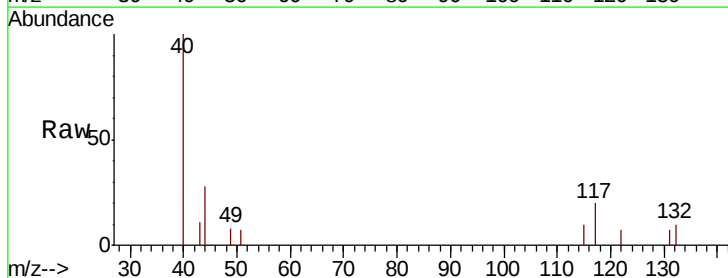
Instrument :
 BNA_G
 ClientSampleId :
 CL-01-121018-B

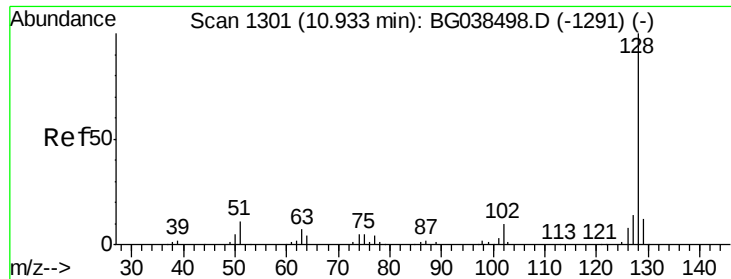
Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	35.9	53.9#
65	0.0	12.0	18.0#



#27
 2,4-Dimethylphenol
 Concen: 0.041 ng
 RT: 10.25 min Scan# 1220
 Delta R.T. 0.22 min
 Lab File: BG038509.D
 Acq: 12 Dec 2018 22:04

Tgt Ion	Ratio	Lower	Upper
122	100		
107	0.0	98.4	147.6#
121	0.0	47.2	70.8#

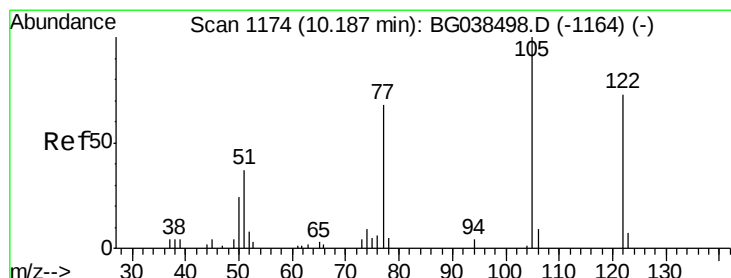
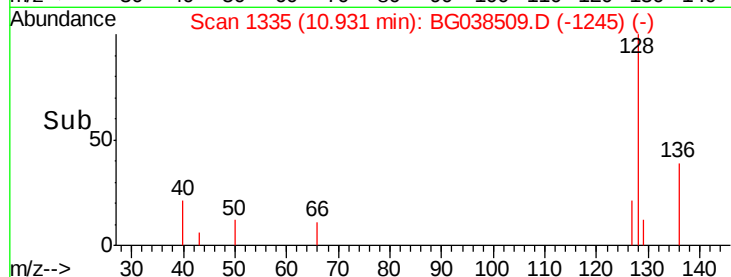
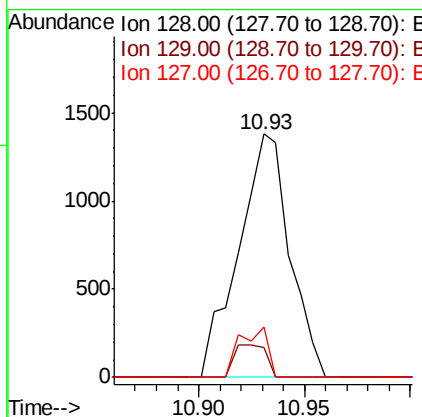
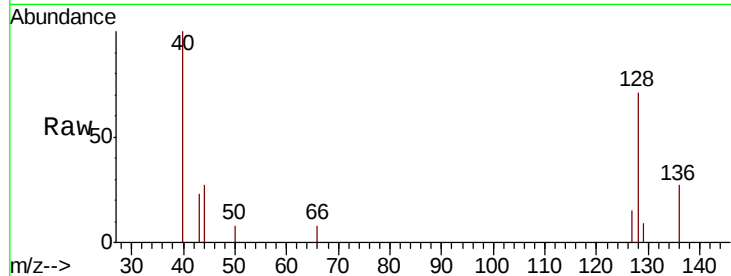




#31
Naphthalene
Concen: 0.517 ng
RT: 10.93 min Scan# 1335
Delta R.T. -0.00 min
Lab File: BG038509.D
Acq: 12 Dec 2018 22:04

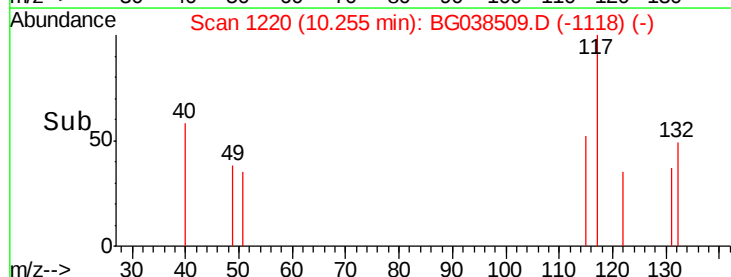
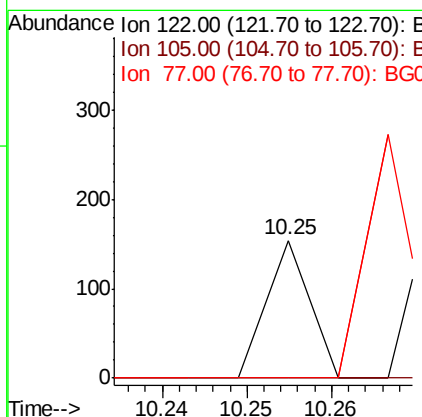
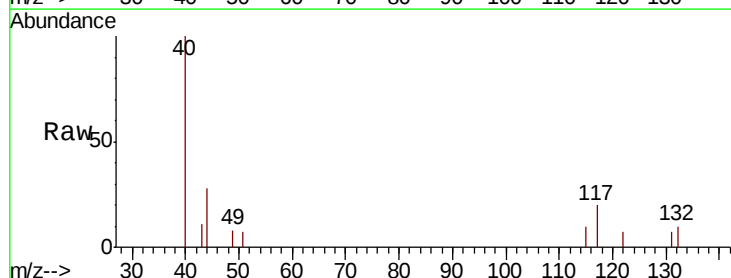
Instrument :
BNA_G
ClientSampleId :
CL-01-121018-B

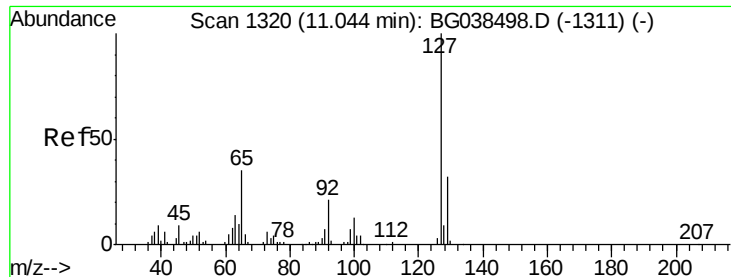
Tgt Ion:128 Resp: 2320
Ion Ratio Lower Upper
128 100
129 12.4 9.5 14.3
127 20.5 10.9 16.3#



#32
Benzoic acid
Concen: 10.215 ng
RT: 10.25 min Scan# 1220
Delta R.T. 0.07 min
Lab File: BG038509.D
Acq: 12 Dec 2018 22:04

Tgt Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 0.0 116.7 156.7#
77 0.0 72.5 112.5#

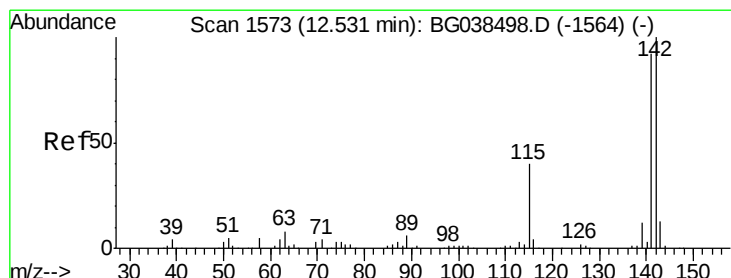
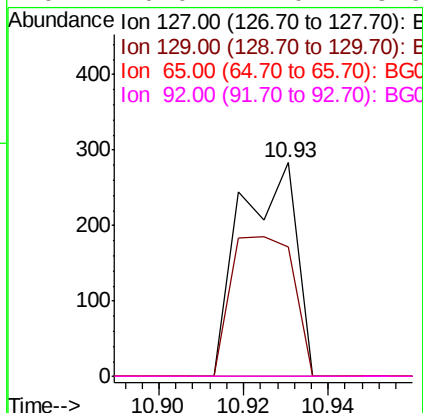
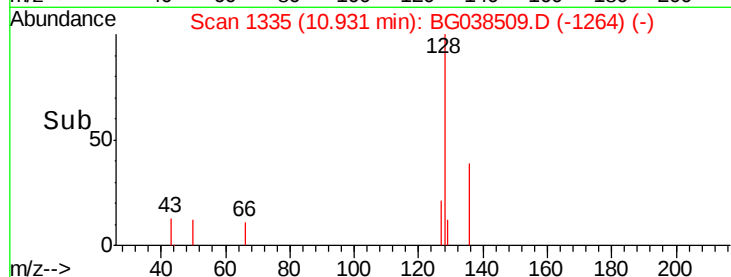
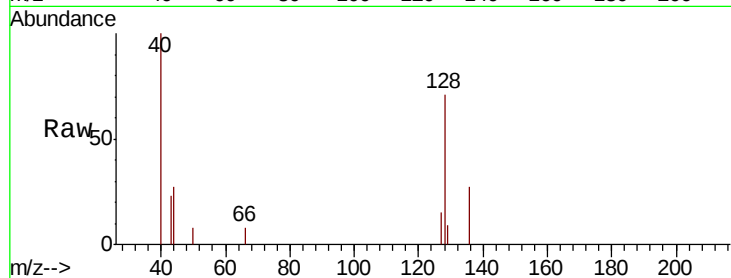




#33
4-Chloroaniline
Concen: 0.133 ng
RT: 10.93 min Scan# 1335
Delta R.T. -0.11 min
Lab File: BG038509.D
Acq: 12 Dec 2018 22:04

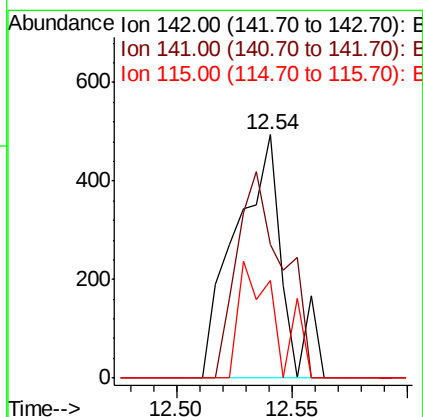
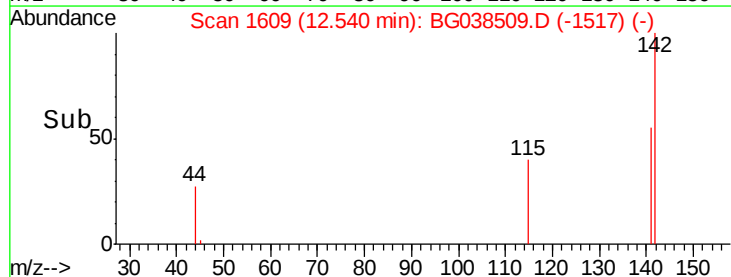
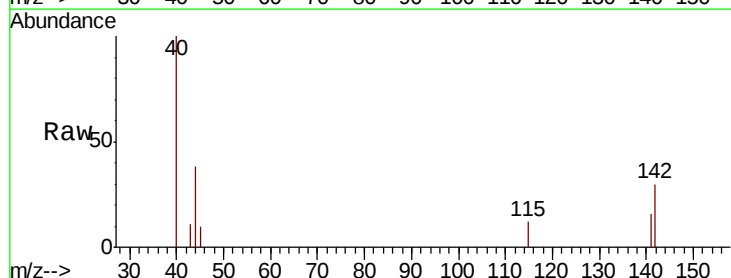
Instrument :
BNA_G
ClientSampleId :
CL-01-121018-B

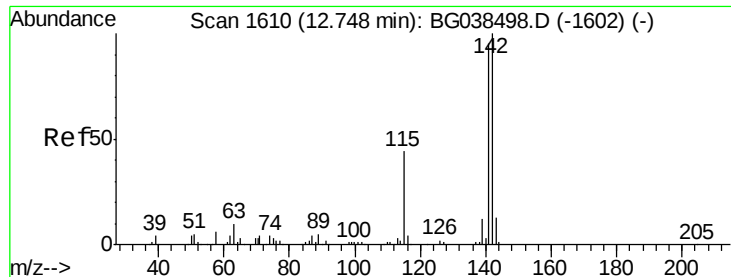
Tgt Ion	Ratio	Lower	Upper
127	100		
129	60.4	25.8	38.8#
65	0.0	27.8	41.6#
92	0.0	17.0	25.6#



#37
2-Methylnaphthalene
Concen: 0.221 ng
RT: 12.54 min Scan# 1609
Delta R.T. 0.01 min
Lab File: BG038509.D
Acq: 12 Dec 2018 22:04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	54.9	73.5	110.3#
115	40.3	31.7	47.5

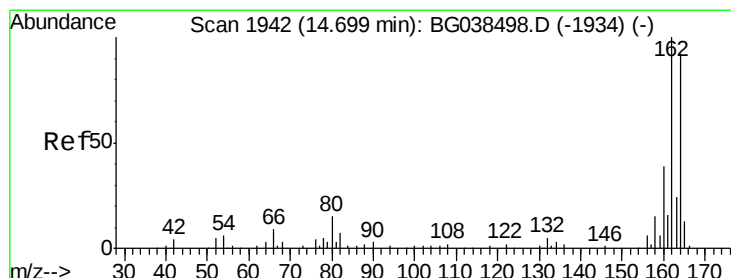
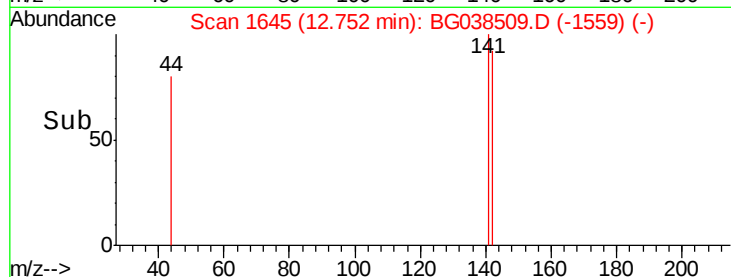
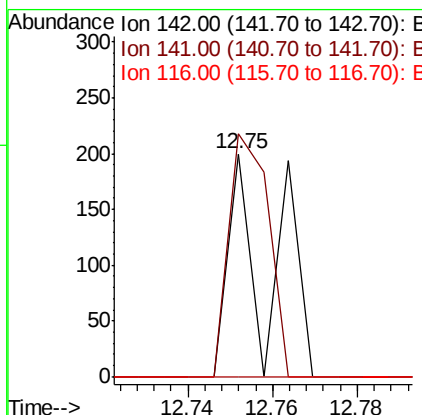
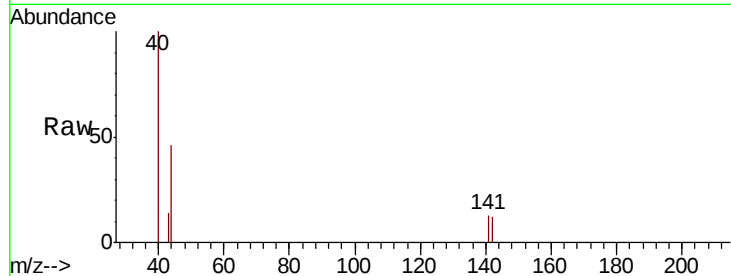




#38
1-Methylnaphthalene
Concen: 0.045 ng
RT: 12.75 min Scan# 1645
Delta R.T. 0.00 min
Lab File: BG038509.D
Acq: 12 Dec 2018 22:04

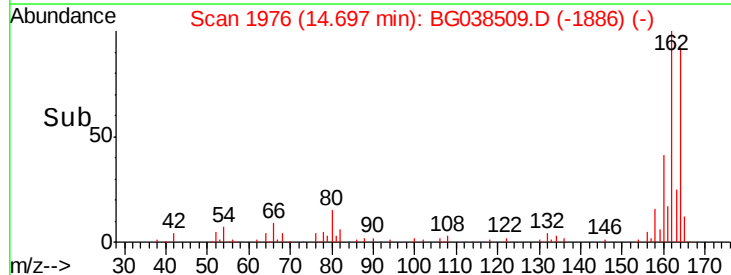
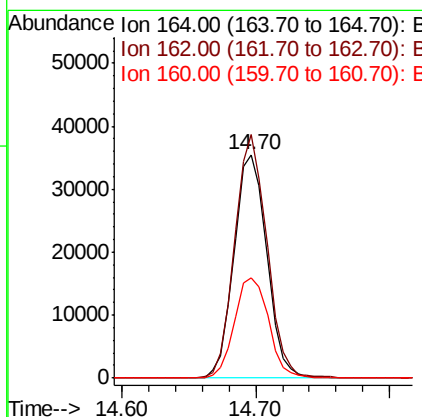
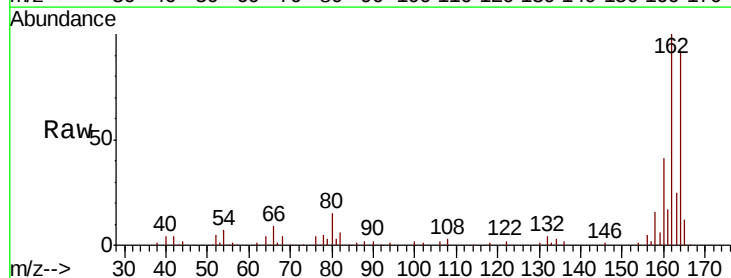
Instrument :
BNA_G
ClientSampleId :
CL-01-121018-B

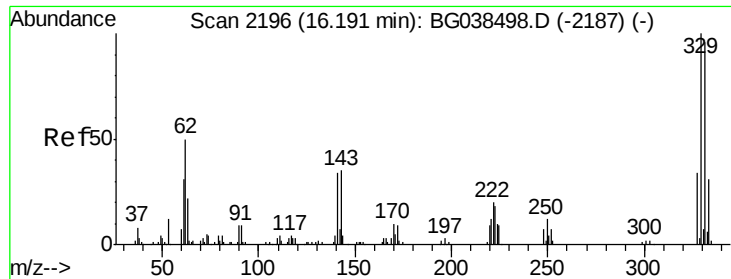
Tgt Ion:142 Resp: 139
Ion Ratio Lower Upper
142 100
141 109.0 75.8 113.8
116 0.0 3.6 5.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.70 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BG038509.D
Acq: 12 Dec 2018 22:04

Tgt Ion:164 Resp: 60564
Ion Ratio Lower Upper
164 100
162 109.0 86.6 130.0
160 45.1 34.2 51.2

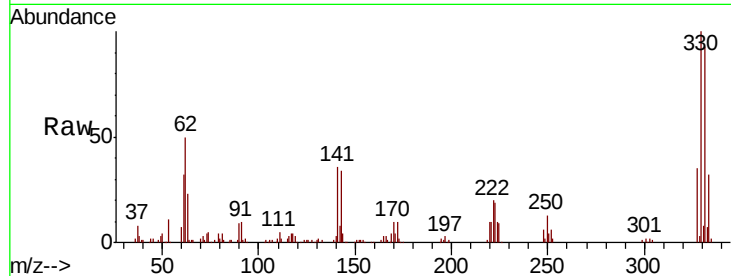




#42
 2,4,6-Tribromophenol
 Concen: 177.902 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. -0.00 min
 Lab File: BG038509.D
 Acq: 12 Dec 2018 22:04

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-121018-B

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.0	76.9	115.3
141	36.2	28.8	43.2

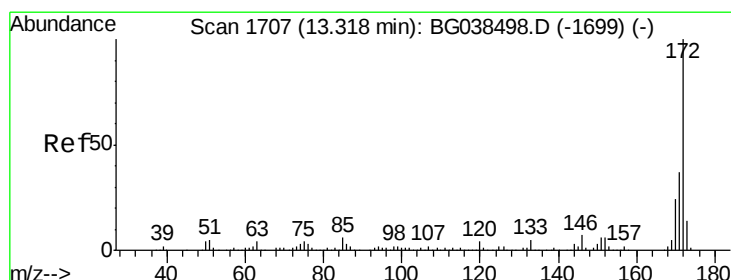
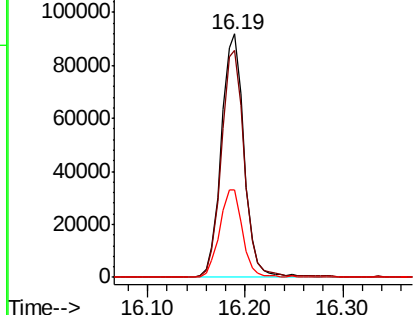
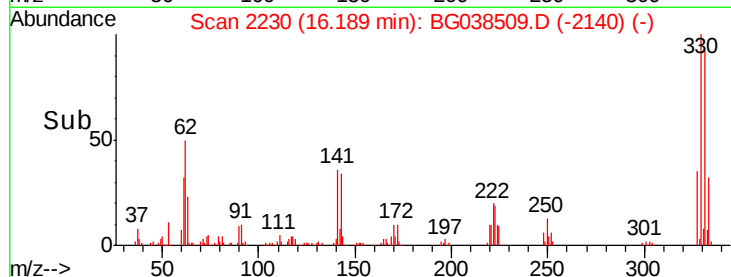


Abundance

Ion 329.80 (329.50 to 330.50): E

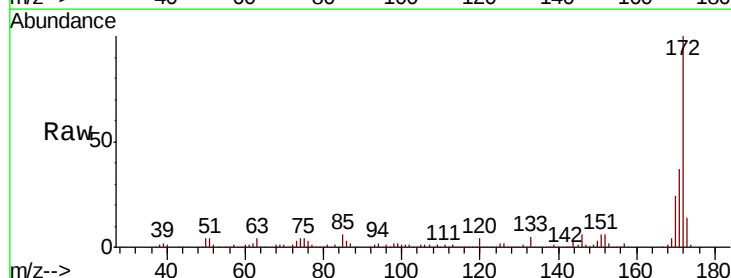
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 97.473 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG038509.D
 Acq: 12 Dec 2018 22:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.8	44.6
170	23.8	19.5	29.3

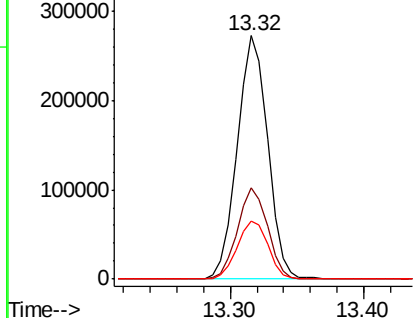
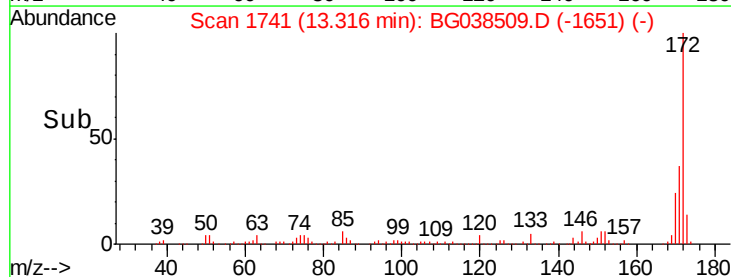


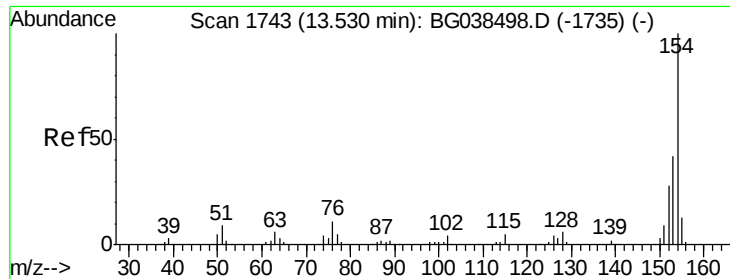
Abundance

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

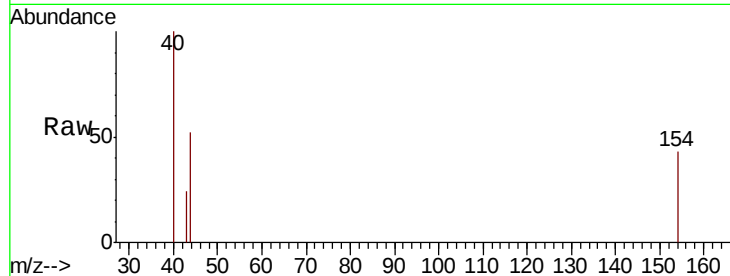




#46
1,1'-Biphenyl
Concen: 0.124 ng
RT: 13.54 min Scan# 1779
Delta R.T. 0.01 min
Lab File: BG038509.D
Acq: 12 Dec 2018 22:04

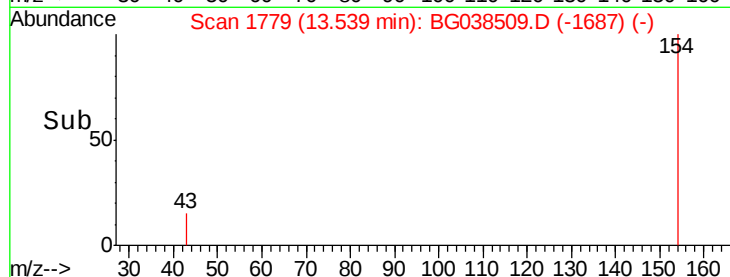
Instrument :
BNA_G
ClientSampleId :
CL-01-121018-B

Tgt Ion: 154 Resp: 632
Ion Ratio Lower Upper
154 100
153 0.0 22.1 62.1#
76 0.0 0.0 31.2

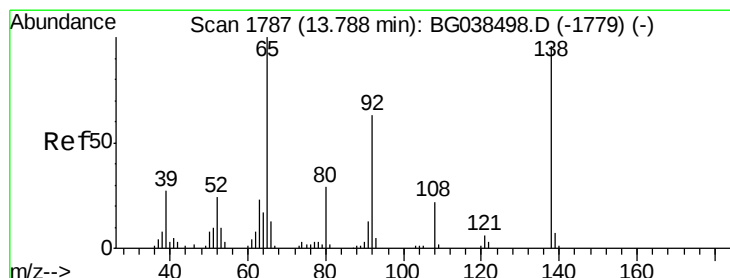


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BGC

13.54

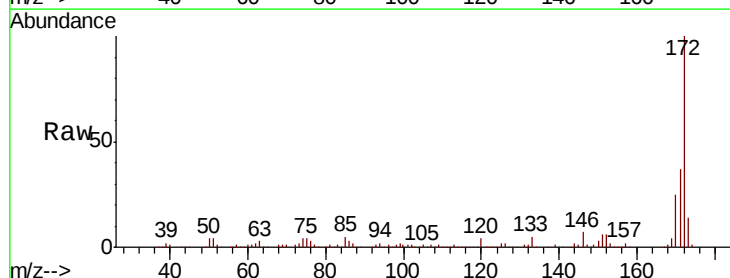


Time-->



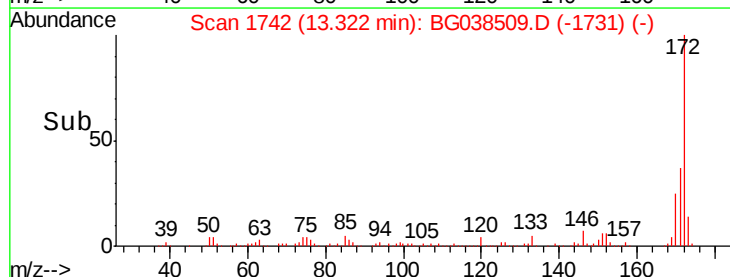
#48
2-Nitroaniline
Concen: 0.446 ng
RT: 13.32 min Scan# 1742
Delta R.T. -0.47 min
Lab File: BG038509.D
Acq: 12 Dec 2018 22:04

Tgt Ion: 65 Resp: 557
Ion Ratio Lower Upper
65 100
92 183.1 50.0 75.0#
138 0.0 76.9 115.3#

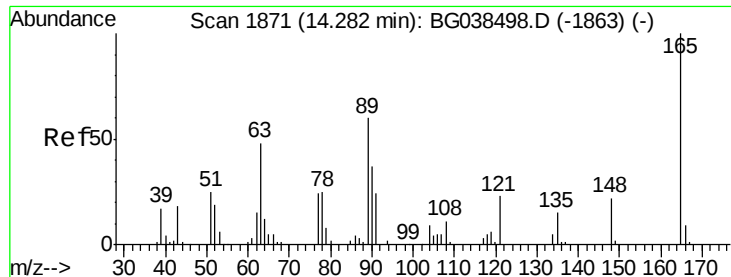


Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): E

13.32



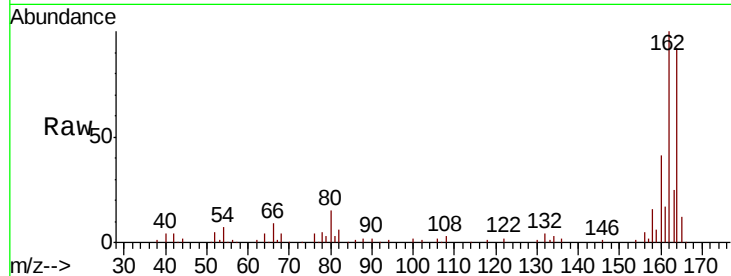
Time-->



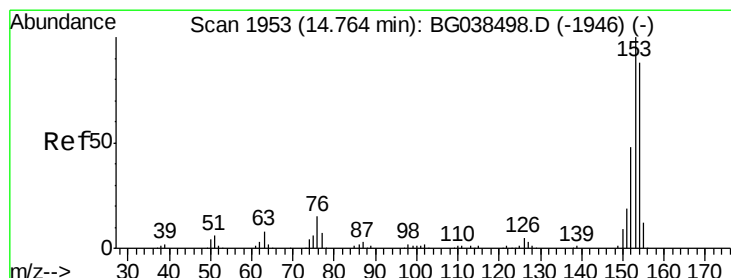
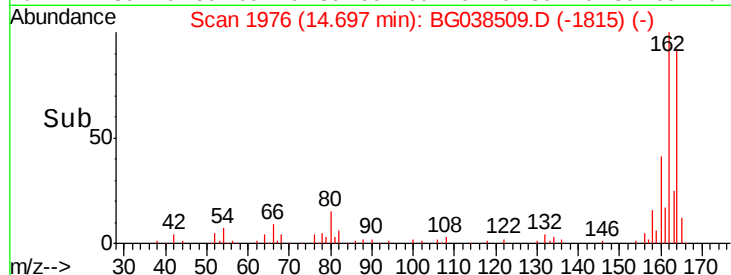
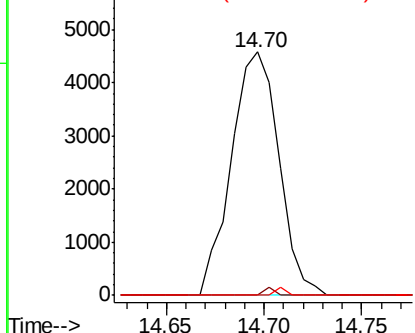
#51
 2,6-Dinitrotoluene
 Concen: 6.886 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. 0.41 min
 Lab File: BG038509.D
 Acq: 12 Dec 2018 22:04

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-121018-B

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

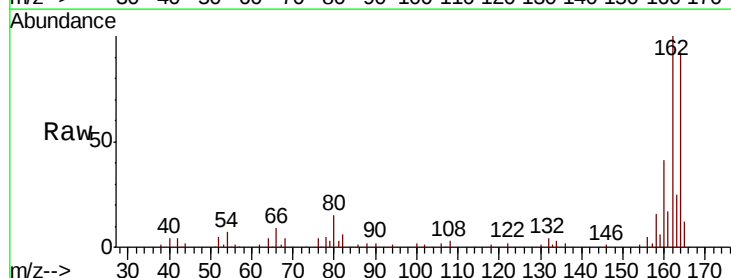


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGO
 Ion 89.00 (88.70 to 89.70): BGO

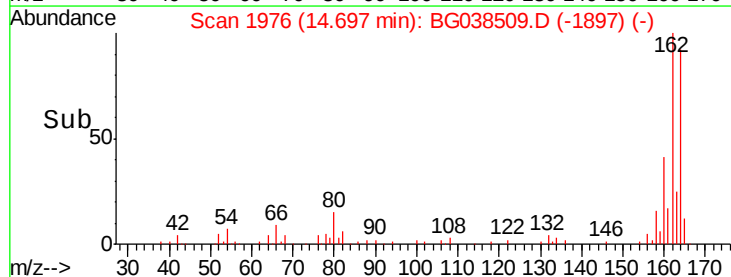
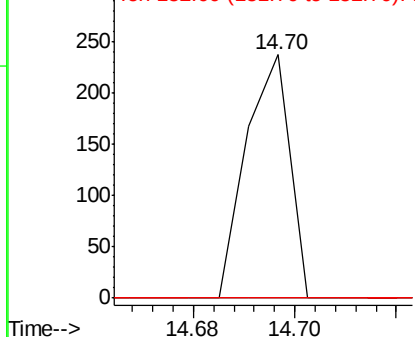


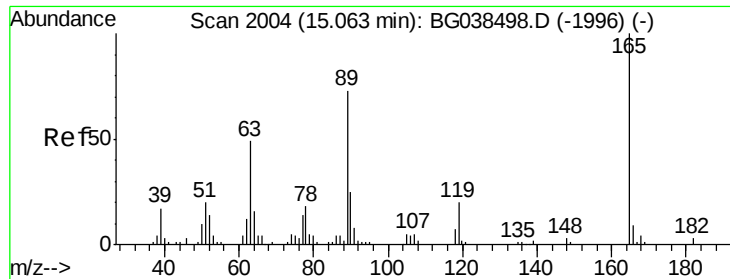
#52
 Acenaphthene
 Concen: 0.041 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.07 min
 Lab File: BG038509.D
 Acq: 12 Dec 2018 22:04

Tgt Ion	Ratio	Lower	Upper
154	100		
153	0.0	90.6	136.0#
152	0.0	43.5	65.3#



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E

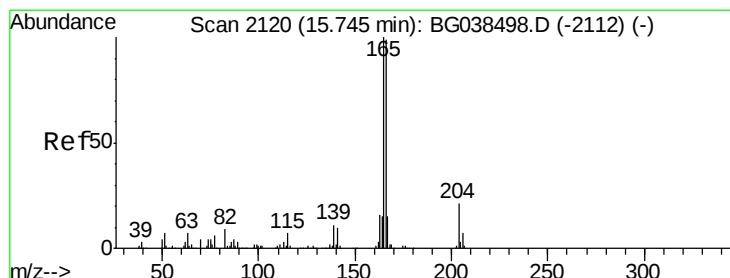
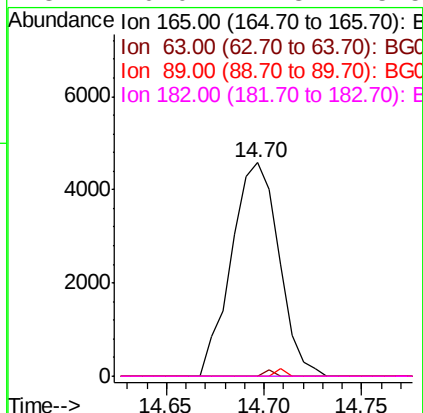
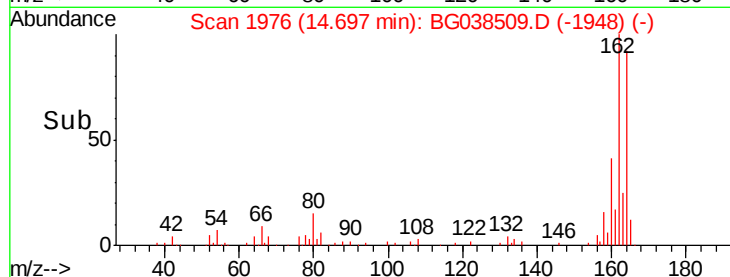
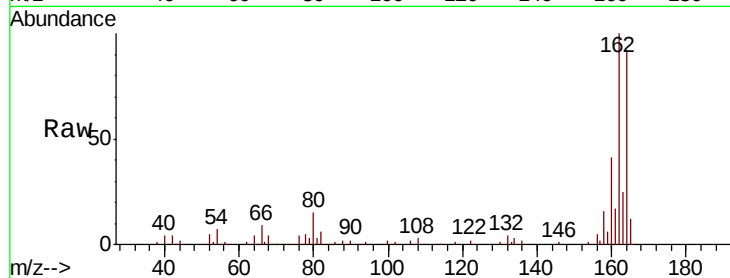




#57
2,4-Dinitrotoluene
Concen: 4.889 ng
RT: 14.70 min Scan# 1976
Delta R.T. -0.37 min
Lab File: BG038509.D
Acq: 12 Dec 2018 22:04

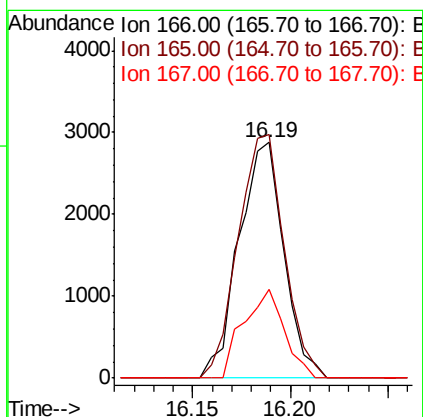
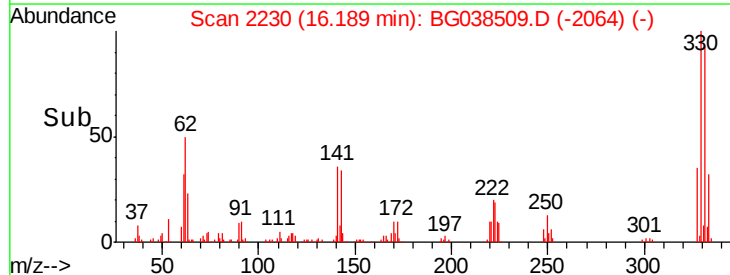
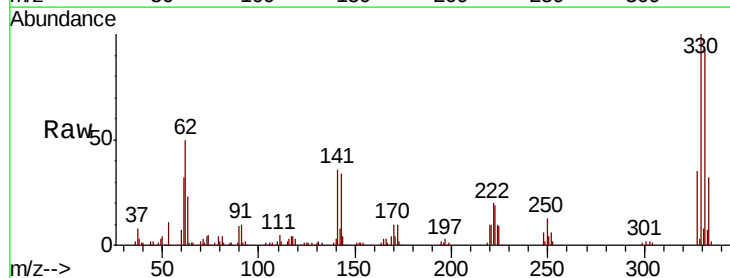
Instrument :
BNA_G
ClientSampleId :
CL-01-121018-B

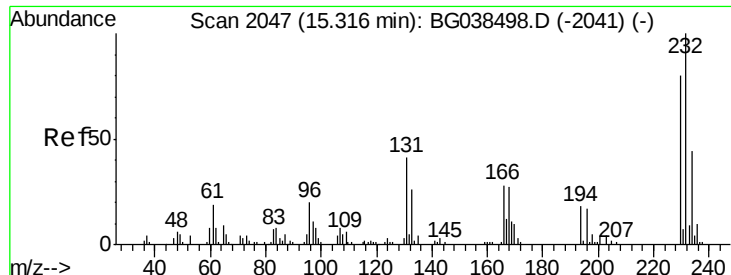
Tgt Ion:	165	Resp:	7718
Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	0.0	58.0	87.0#
182	0.0	2.3	3.5#



#58
Fluorene
Concen: 1.029 ng
RT: 16.19 min Scan# 2230
Delta R.T. 0.44 min
Lab File: BG038509.D
Acq: 12 Dec 2018 22:04

Tgt Ion:	166	Resp:	4583
Ion	Ratio	Lower	Upper
166	100		
165	103.4	80.6	120.8
167	37.6	12.0	18.0#

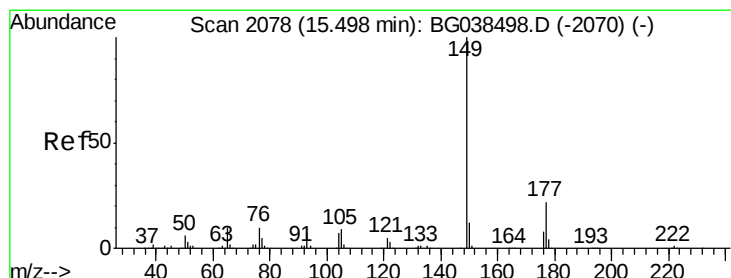
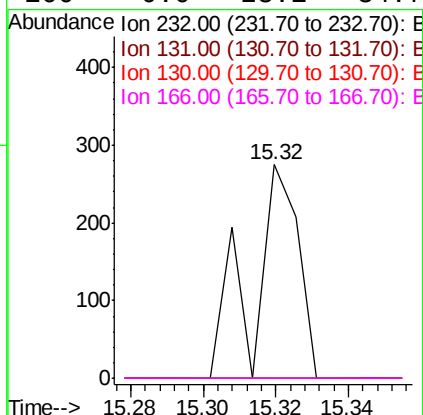
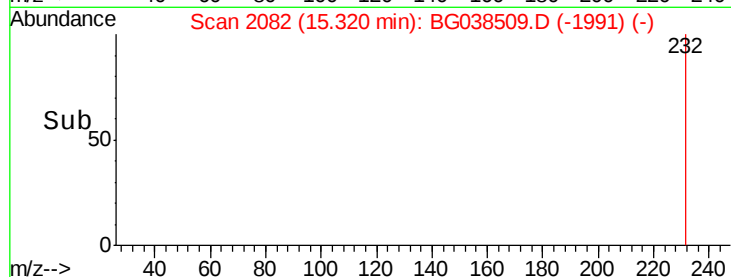
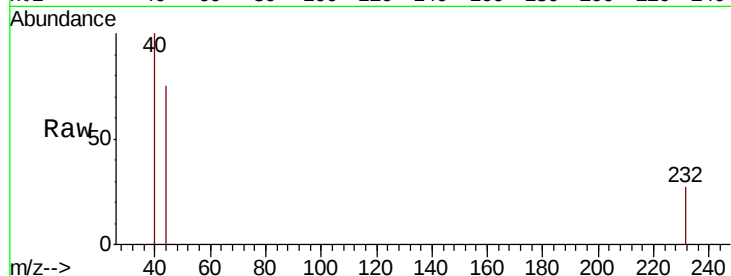




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 0.180 ng
 RT: 15.32 min Scan# 2082
 Delta R.T. 0.00 min
 Lab File: BG038509.D
 Acq: 12 Dec 2018 22:04

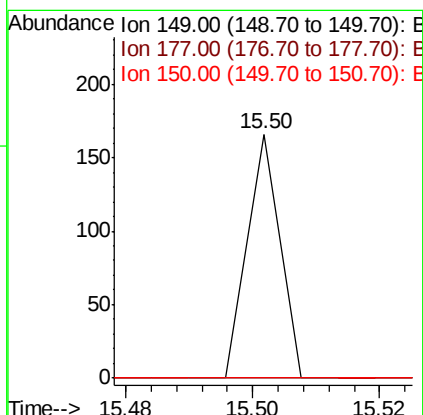
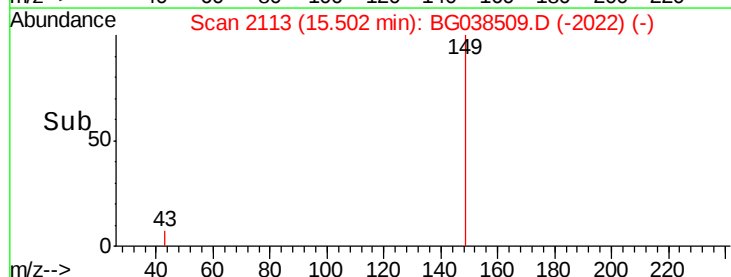
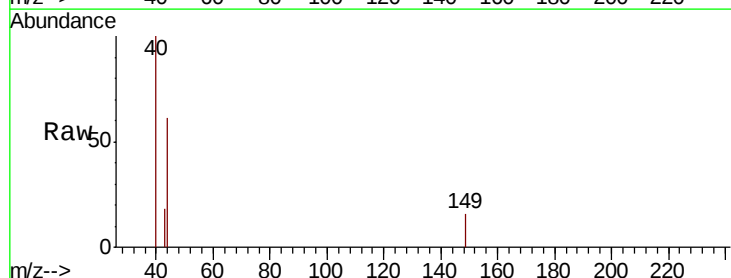
Instrument :
 BNA_G
 ClientSampleId :
 CL-01-121018-B

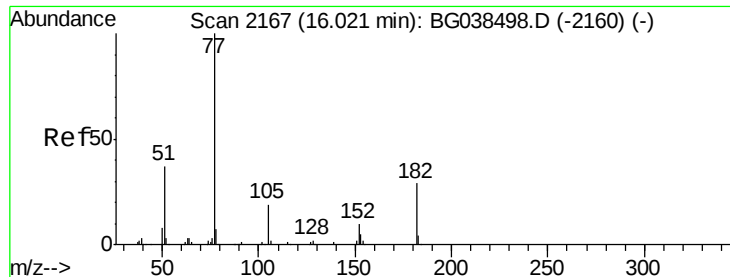
Tgt Ion	Ratio	Lower	Upper
232	100		
131	0.0	33.0	49.4#
130	0.0	2.0	3.0#
166	0.0	23.1	34.7#



#60
 Diethylphthalate
 Concen: 0.011 ng
 RT: 15.50 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: BG038509.D
 Acq: 12 Dec 2018 22:04

Tgt Ion	Ratio	Lower	Upper
149	100		
177	0.0	17.7	26.5#
150	0.0	9.9	14.9#





#63

Azobenzene

Concen: 0.144 ng

RT: 16.19 min Scan# 2230

Delta R.T. 0.17 min

Lab File: BG038509.D

Acq: 12 Dec 2018 22:04

Instrument :

BNA_G

ClientSampleId :

CL-01-121018-B

Tgt Ion: 77 Resp: 655

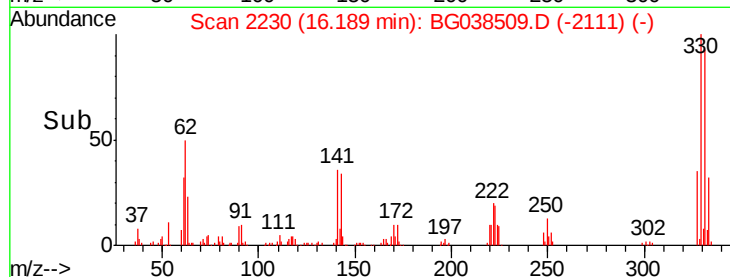
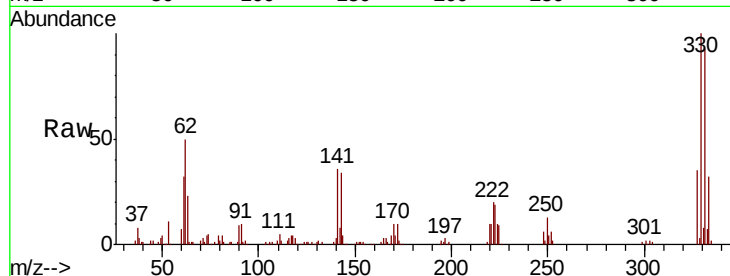
Ion Ratio Lower Upper

77 100

182 0.0 8.7 48.7#

105 71.9 0.0 38.7#

51 63.2 16.6 56.6#

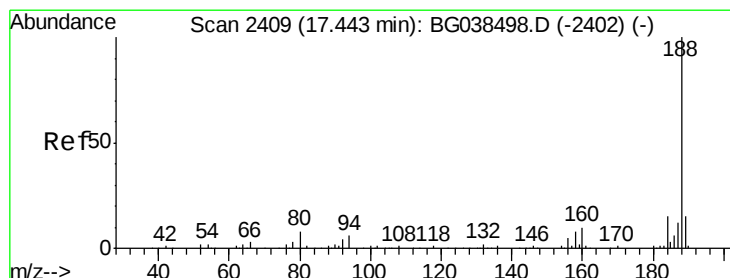
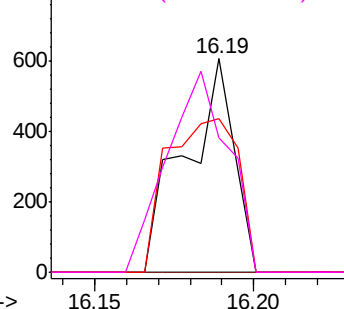


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.44 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG038509.D

Acq: 12 Dec 2018 22:04

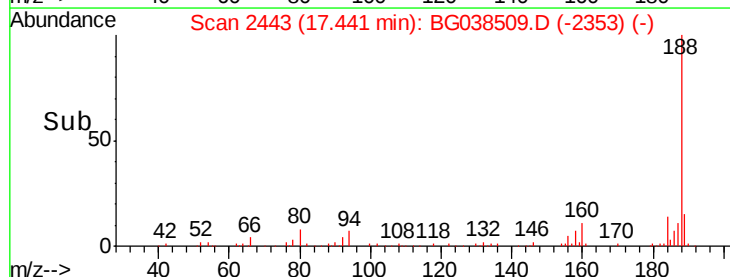
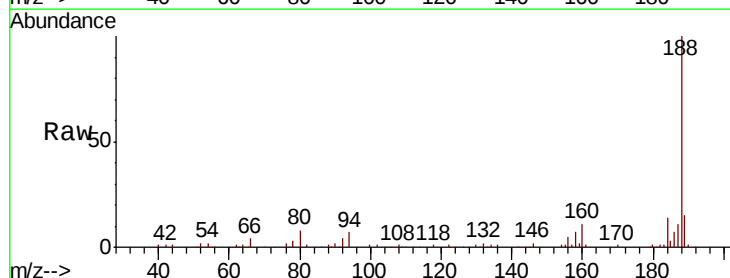
Tgt Ion: 188 Resp: 166027

Ion Ratio Lower Upper

188 100

94 7.0 5.1 7.7

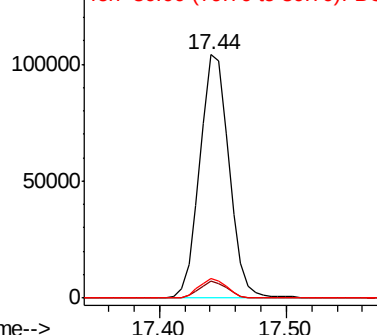
80 7.9 6.1 9.1

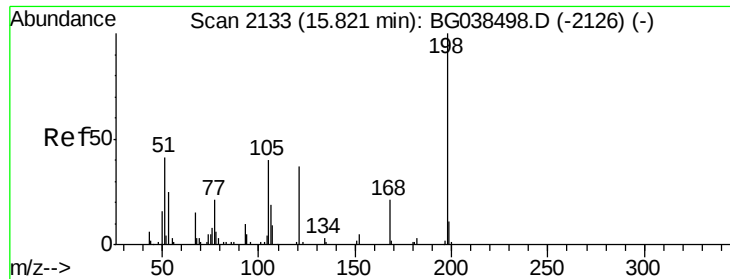


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

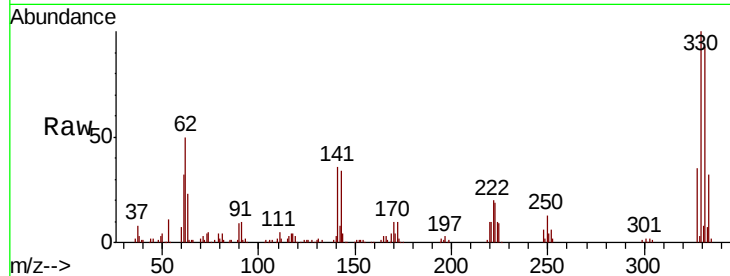




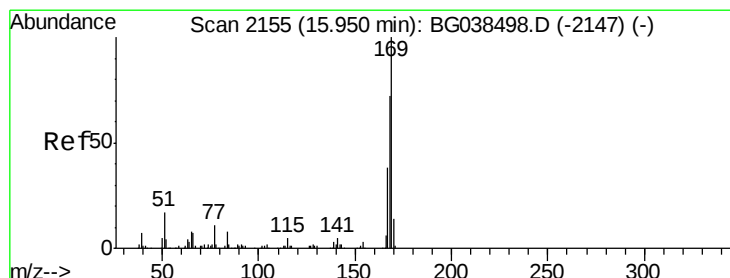
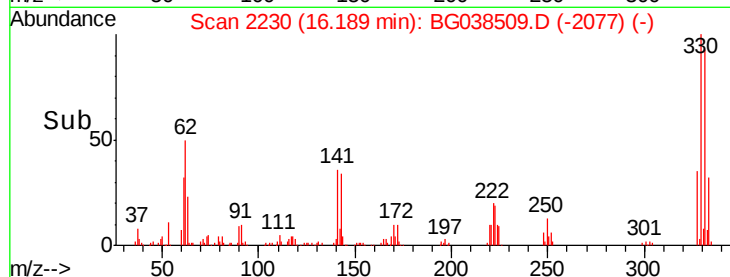
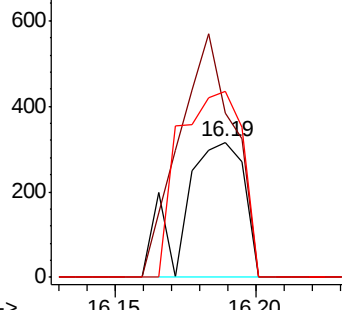
#65
 4,6-Dinitro-2-methylphenol
 Concen: 0.396 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. 0.37 min
 Lab File: BG038509.D
 Acq: 12 Dec 2018 22:04

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-121018-B

Tgt Ion:198 Resp: 469
 Ion Ratio Lower Upper
 198 100
 51 24.0 28.6 68.6#
 105 27.3 20.4 60.4

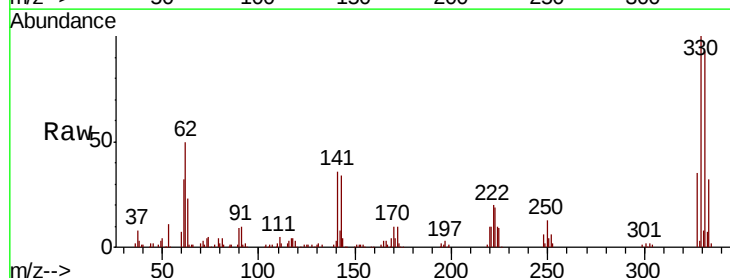


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

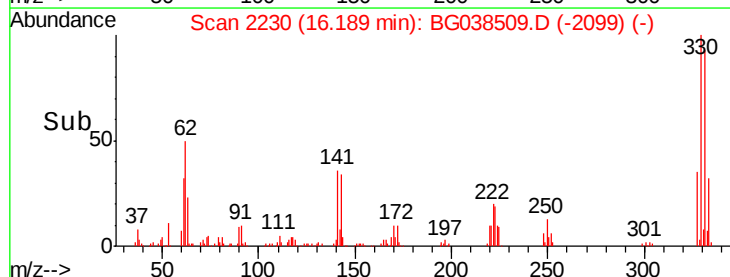
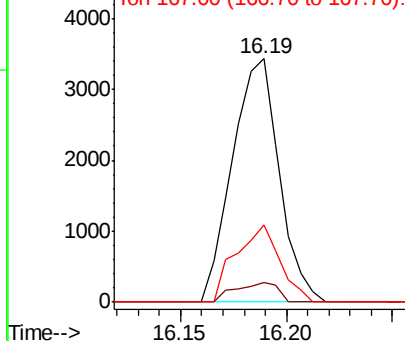


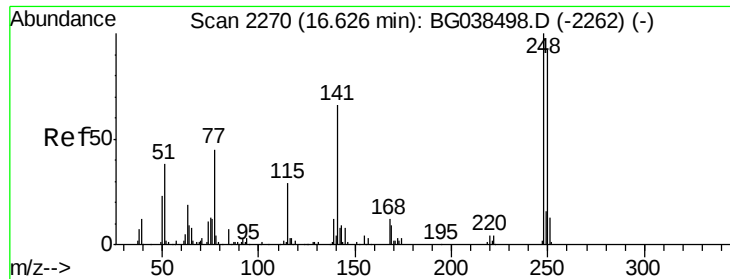
#66
 n-Nitrosodiphenylamine
 Concen: 1.080 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. 0.24 min
 Lab File: BG038509.D
 Acq: 12 Dec 2018 22:04

Tgt Ion:169 Resp: 5267
 Ion Ratio Lower Upper
 169 100
 168 8.0 57.5 86.3#
 167 31.5 30.2 45.2



Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

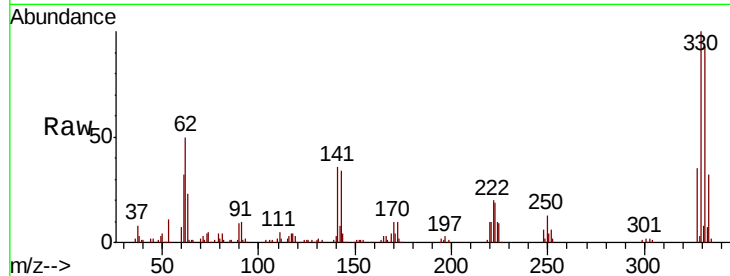




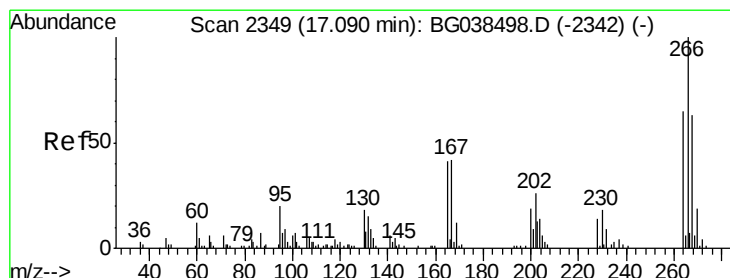
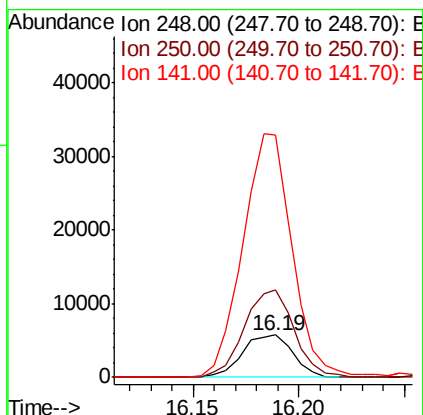
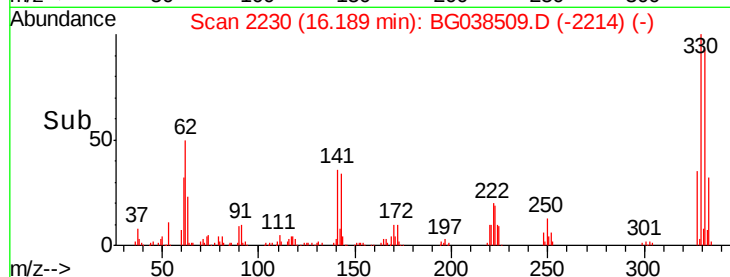
#67
 4-Bromophenyl-phenylether
 Concen: 4.691 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. -0.44 min
 Lab File: BG038509.D
 Acq: 12 Dec 2018 22:04

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-121018-B

Tgt Ion:248 Resp: 9512
 Ion Ratio Lower Upper
 248 100
 250 208.4 73.4 110.2#
 141 446.1 52.9 79.3#

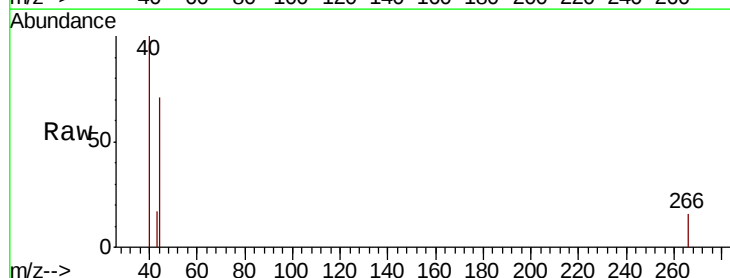


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

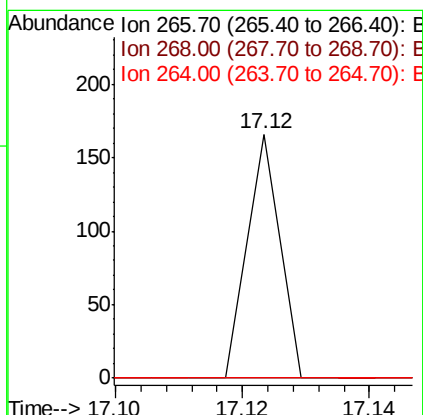
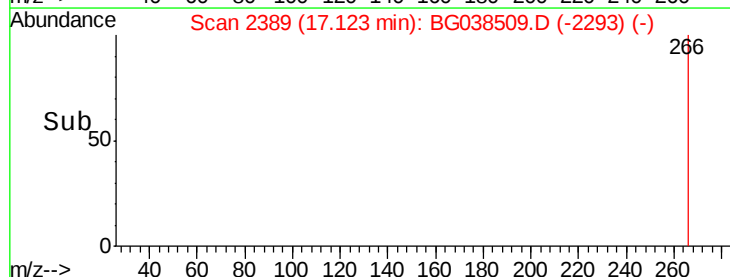


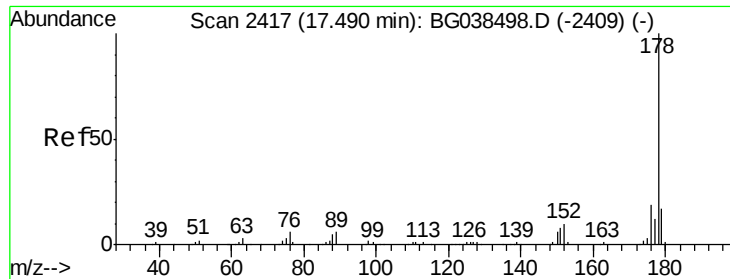
#70
 Pentachlorophenol
 Concen: 0.047 ng
 RT: 17.12 min Scan# 2389
 Delta R.T. 0.03 min
 Lab File: BG038509.D
 Acq: 12 Dec 2018 22:04

Tgt Ion:266 Resp: 59
 Ion Ratio Lower Upper
 266 100
 268 0.0 55.0 82.6#
 264 0.0 56.7 85.1#



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 0.072 ng

RT: 17.49 min Scan# 2451

Delta R.T. -0.00 min

Lab File: BG038509.D

Acq: 12 Dec 2018 22:04

Instrument :

BNA_G

ClientSampleId :

CL-01-121018-B

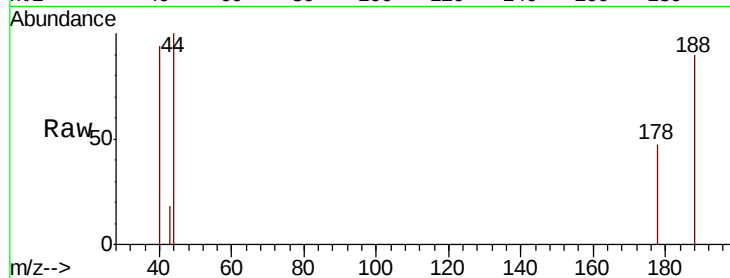
Tgt Ion:178 Resp: 624

Ion Ratio Lower Upper

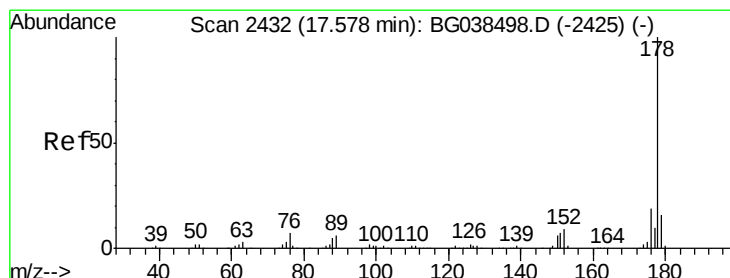
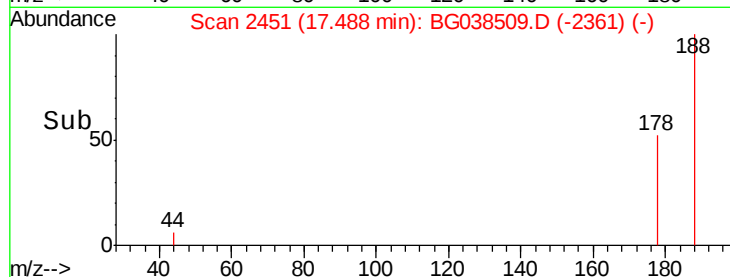
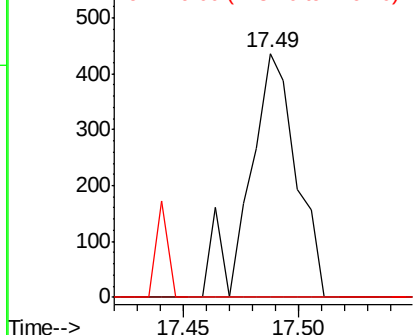
178 100

176 0.0 15.1 22.7#

179 0.0 13.2 19.8#



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



#72

Anthracene

Concen: 0.073 ng

RT: 17.49 min Scan# 2451

Delta R.T. -0.09 min

Lab File: BG038509.D

Acq: 12 Dec 2018 22:04

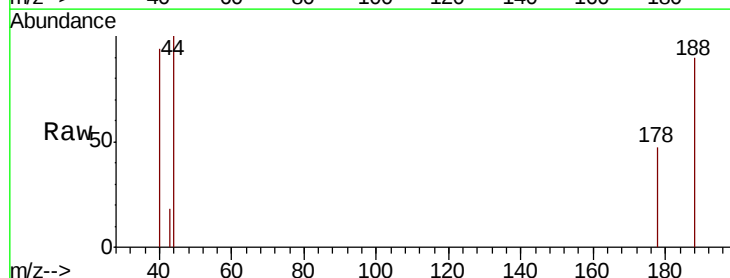
Tgt Ion:178 Resp: 624

Ion Ratio Lower Upper

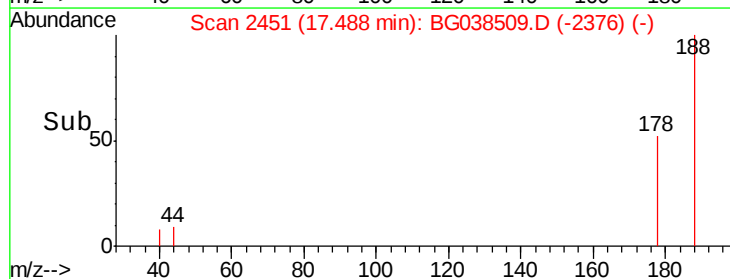
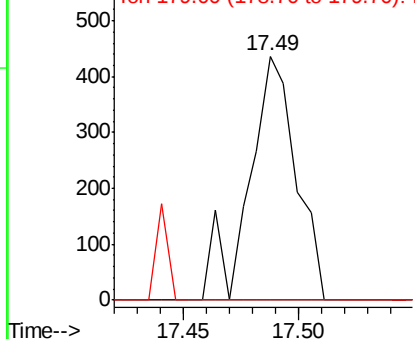
178 100

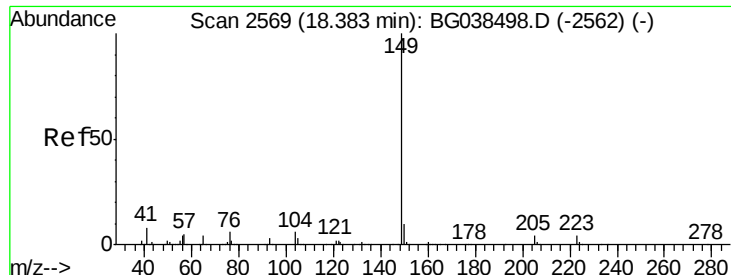
176 0.0 15.1 22.7#

179 0.0 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

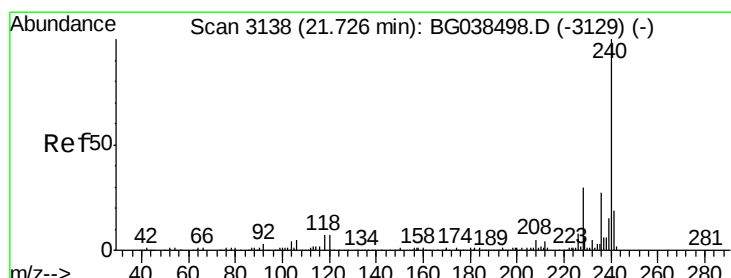
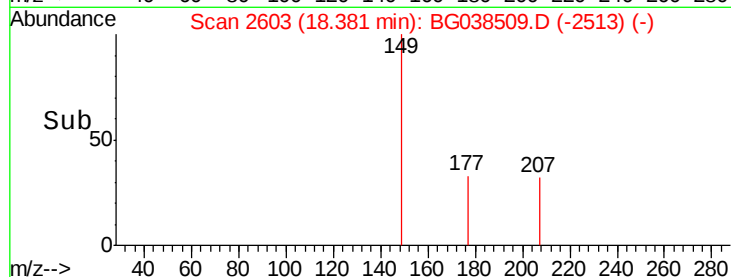
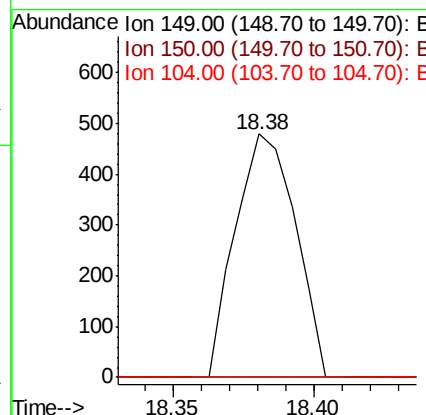
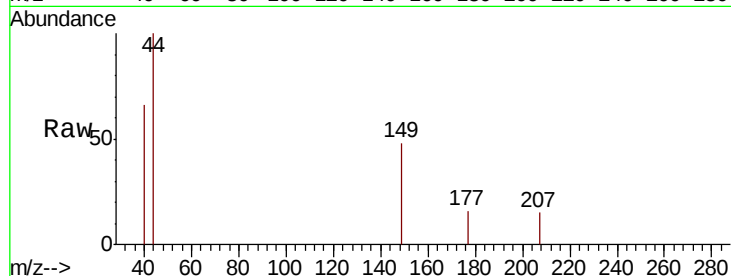




#74
Di-n-butylphthalate
Concen: 0.073 ng
RT: 18.38 min Scan# 2603
Delta R.T. -0.00 min
Lab File: BG038509.D
Acq: 12 Dec 2018 22:04

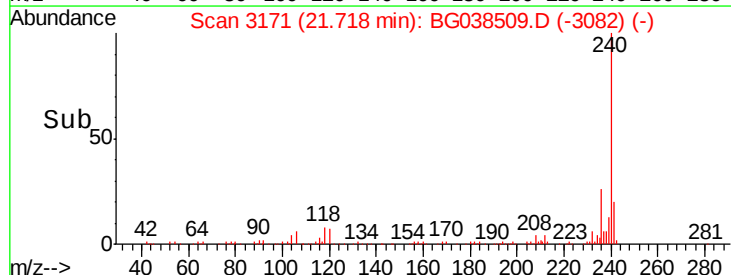
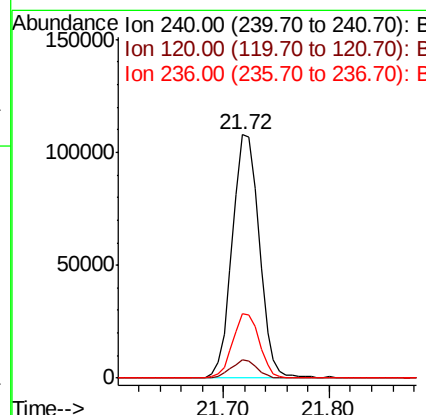
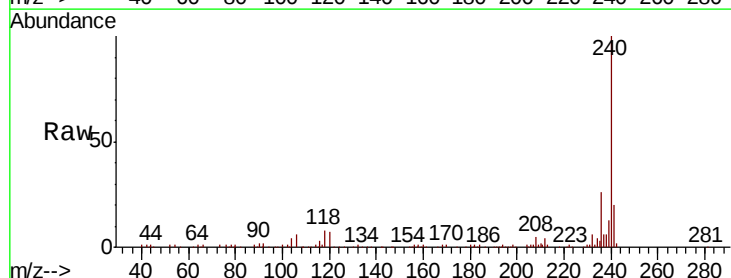
Instrument :
BNA_G
ClientSampleId :
CL-01-121018-B

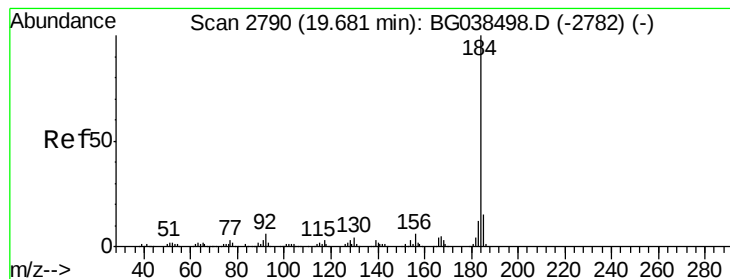
Tgt Ion:149 Resp: 706
Ion Ratio Lower Upper
149 100
150 0.0 7.6 11.4#
104 0.0 5.0 7.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038509.D
Acq: 12 Dec 2018 22:04

Tgt Ion:240 Resp: 191028
Ion Ratio Lower Upper
240 100
120 7.4 5.3 7.9
236 26.5 21.4 32.2





#77

Benzidine

Concen: 3.007 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038509.D

Acq: 12 Dec 2018 22:04

Instrument :

BNA_G

ClientSampleId :

CL-01-121018-B

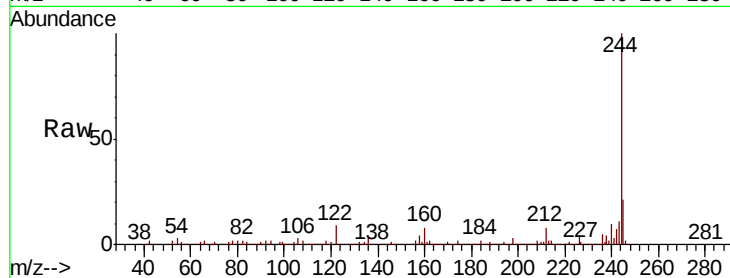
Tgt Ion:184 Resp: 16988

Ion Ratio Lower Upper

184 100

185 16.6 12.2 18.2

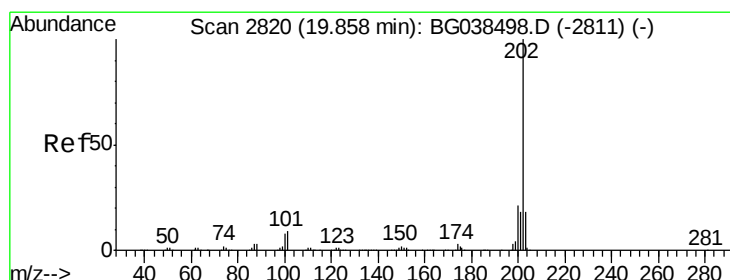
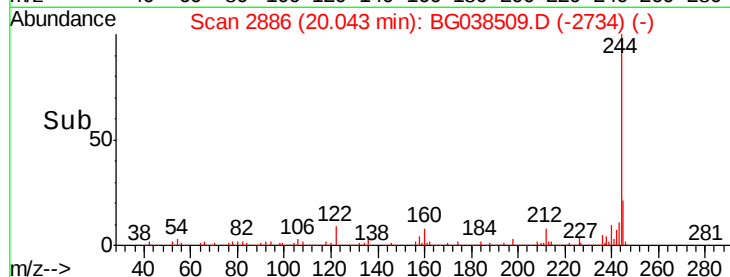
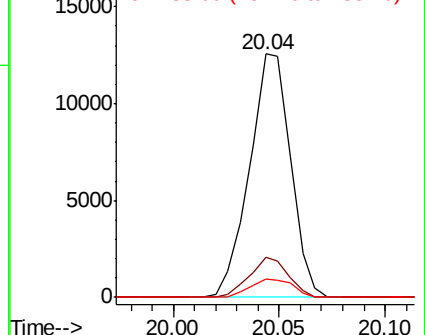
183 7.5 9.6 14.4#



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



#78

Pyrene

Concen: 0.286 ng

RT: 20.05 min Scan# 2887

Delta R.T. 0.19 min

Lab File: BG038509.D

Acq: 12 Dec 2018 22:04

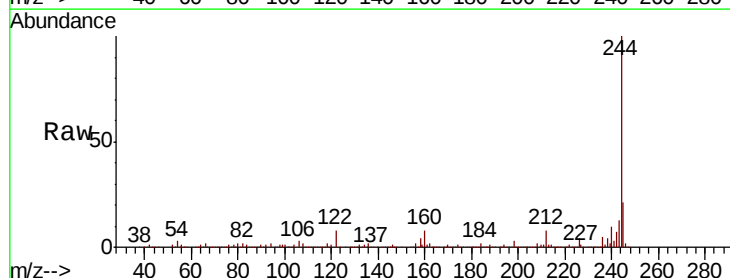
Tgt Ion:202 Resp: 3614

Ion Ratio Lower Upper

202 100

200 41.0 16.6 25.0#

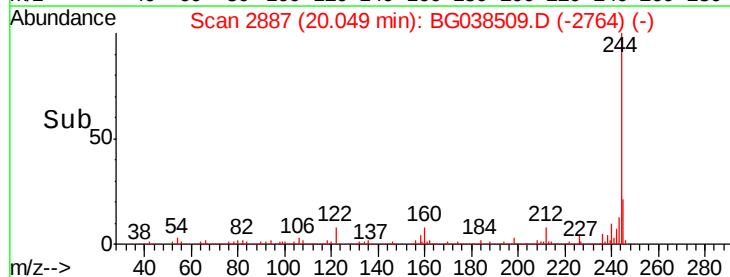
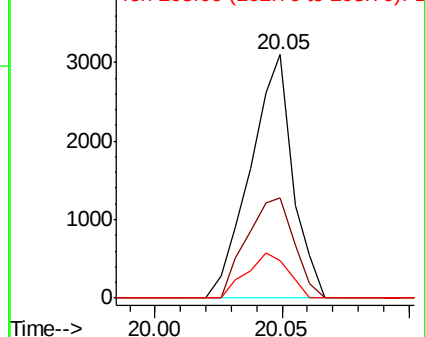
203 15.7 14.6 21.8

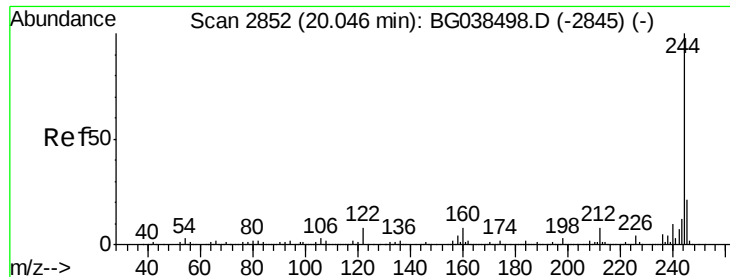


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 109.975 ng

RT: 20.05 min Scan# 2887

Delta R.T. 0.00 min

Lab File: BG038509.D

Acq: 12 Dec 2018 22:04

Instrument :

BNA_G

ClientSampleId :

CL-01-121018-B

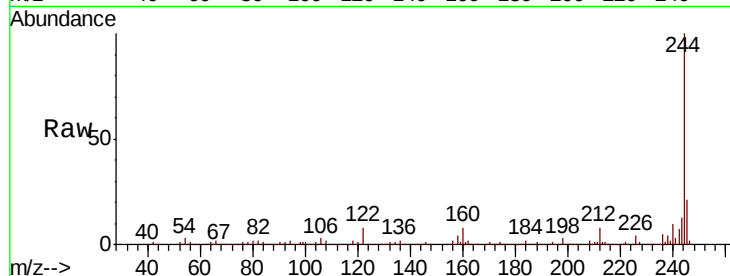
Tgt Ion:244 Resp: 965304

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

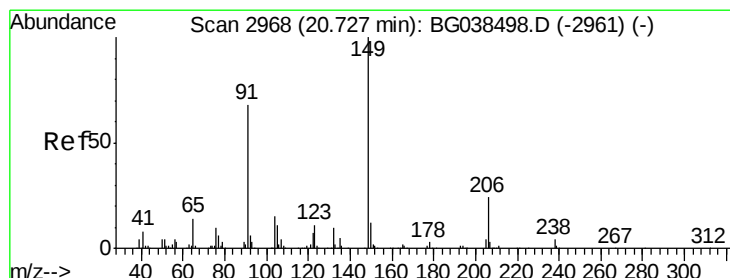
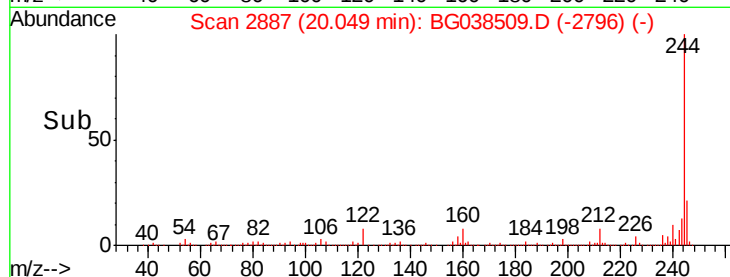
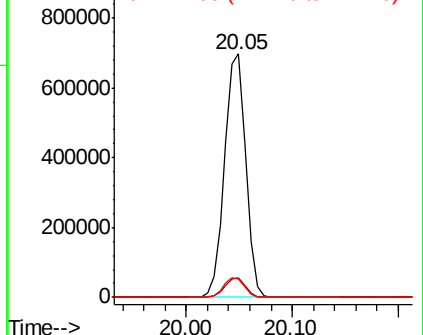
122 7.6 6.3 9.5



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



#80

Butylbenzylphthalate

Concen: 0.035 ng

RT: 20.73 min Scan# 3003

Delta R.T. 0.00 min

Lab File: BG038509.D

Acq: 12 Dec 2018 22:04

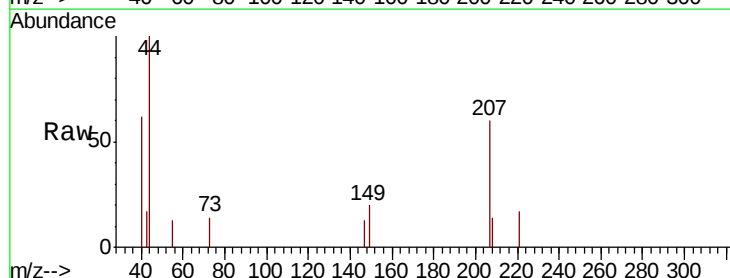
Tgt Ion:149 Resp: 174

Ion Ratio Lower Upper

149 100

91 0.0 54.5 81.7#

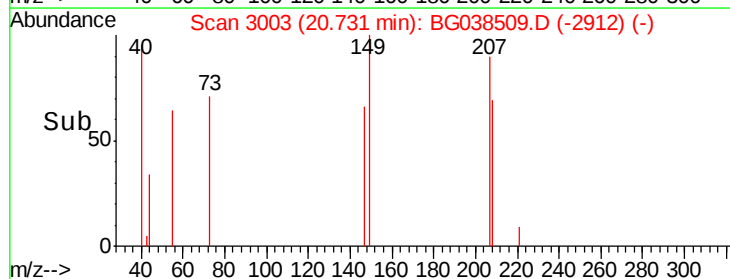
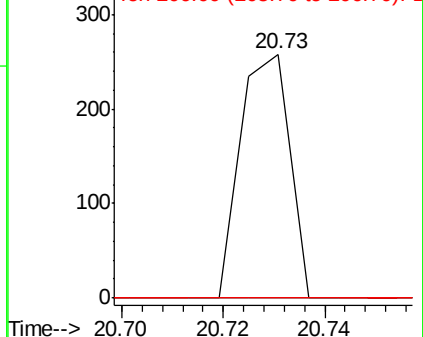
206 0.0 19.0 28.6#

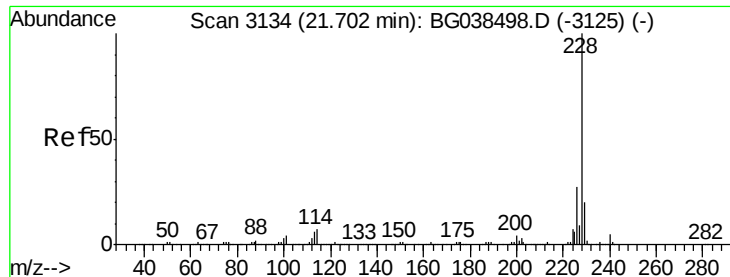


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.045 ng

RT: 21.72 min Scan# 3171

Delta R.T. 0.02 min

Lab File: BG038509.D

Acq: 12 Dec 2018 22:04

Instrument :

BNA_G

ClientSampleId :

CL-01-121018-B

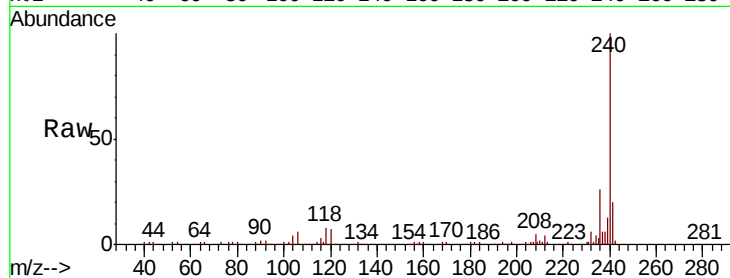
Tgt Ion:228 Resp: 529

Ion Ratio Lower Upper

228 100

226 0.0 21.8 32.8#

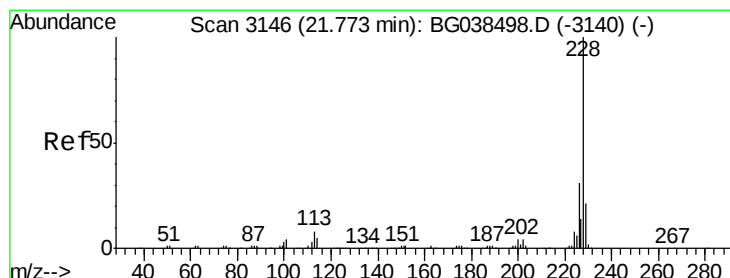
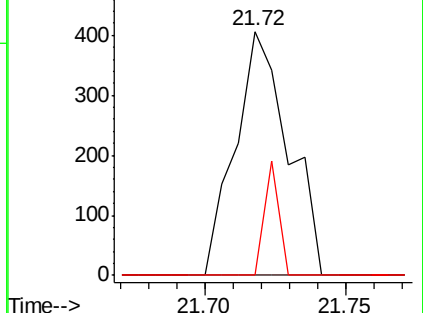
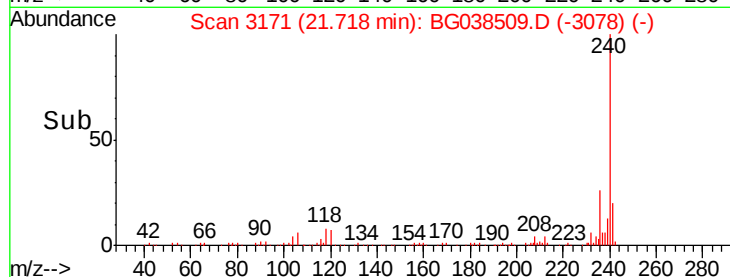
229 0.0 15.8 23.6#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 0.047 ng

RT: 21.72 min Scan# 3171

Delta R.T. -0.06 min

Lab File: BG038509.D

Acq: 12 Dec 2018 22:04

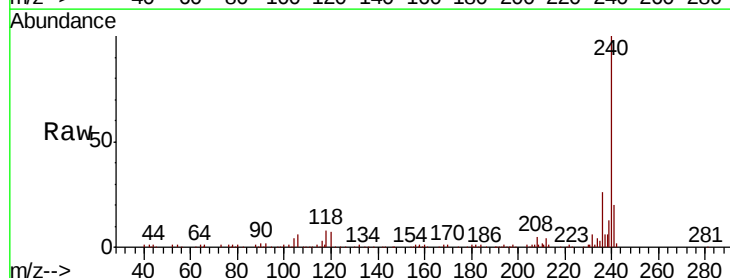
Tgt Ion:228 Resp: 529

Ion Ratio Lower Upper

228 100

226 0.0 25.0 37.4#

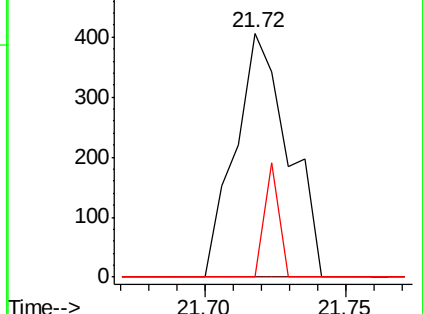
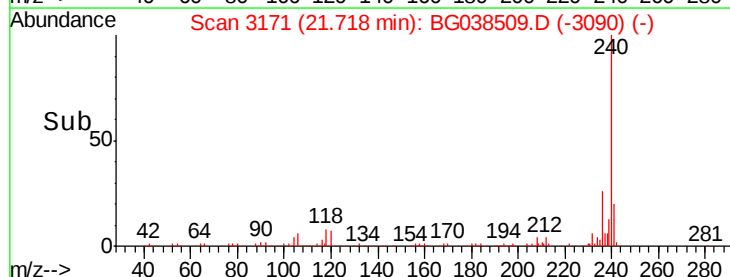
229 0.0 16.5 24.7#

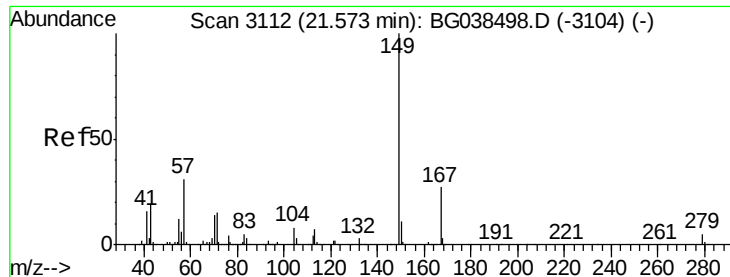


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

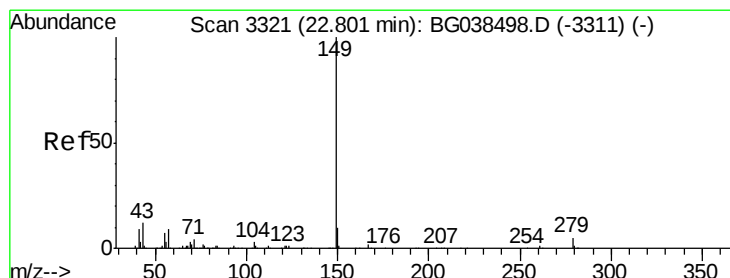
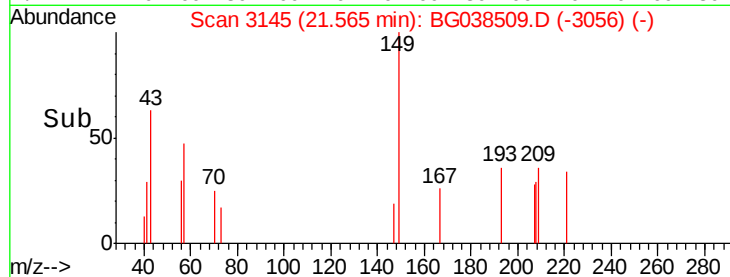
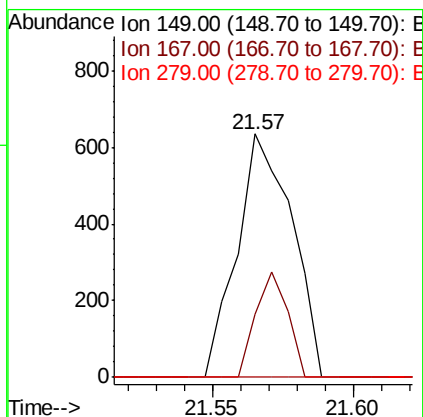
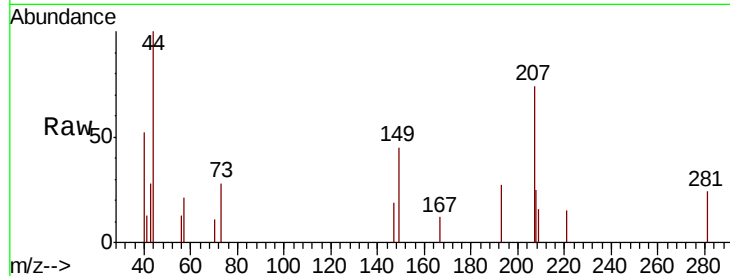




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.122 ng
 RT: 21.57 min Scan# 3145
 Delta R.T. -0.01 min
 Lab File: BG038509.D
 Acq: 12 Dec 2018 22:04

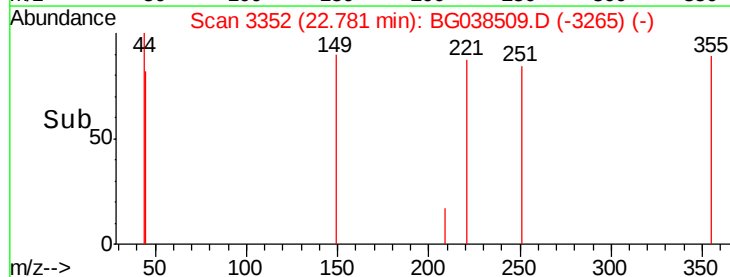
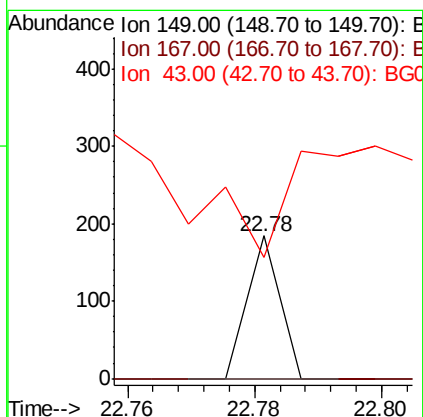
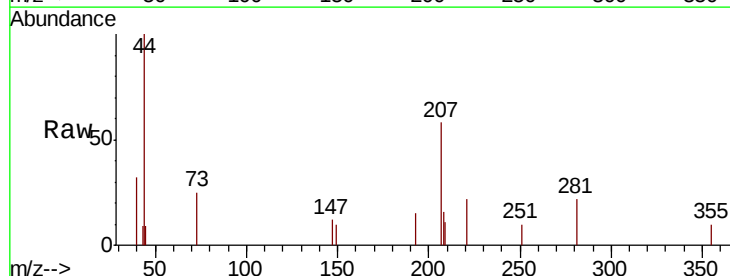
Instrument :
 BNA_G
 ClientSampleId :
 CL-01-121018-B

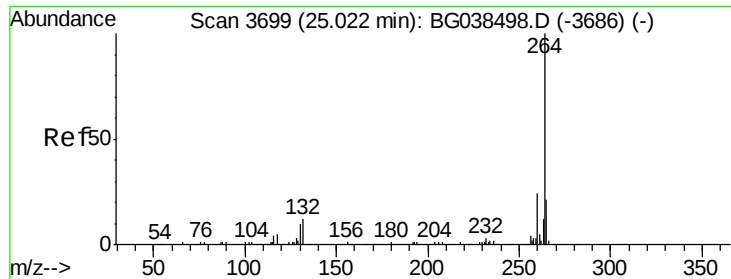
Tgt Ion:149 Resp: 855
 Ion Ratio Lower Upper
 149 100
 167 26.1 21.9 32.9
 279 0.0 4.2 6.2#



#85
 Di-n-octyl phthalate
 Concen: 0.006 ng
 RT: 22.78 min Scan# 3352
 Delta R.T. -0.02 min
 Lab File: BG038509.D
 Acq: 12 Dec 2018 22:04

Tgt Ion:149 Resp: 65
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.2 1.8#
 43 0.0 9.3 13.9#

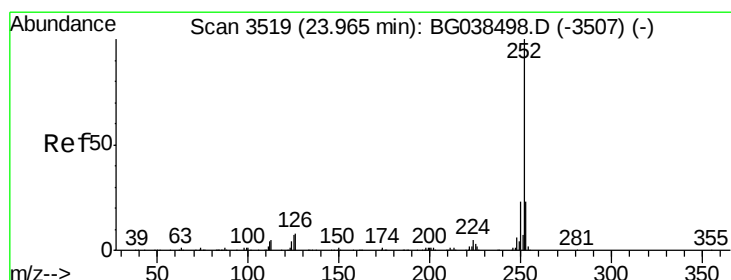
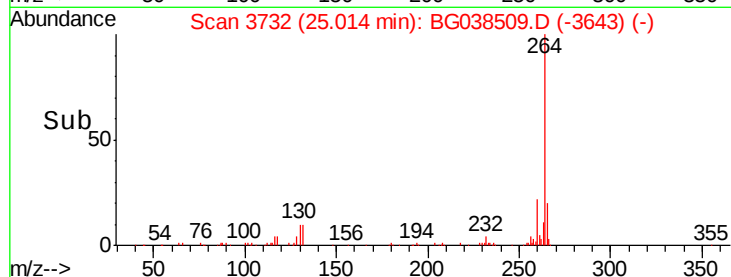
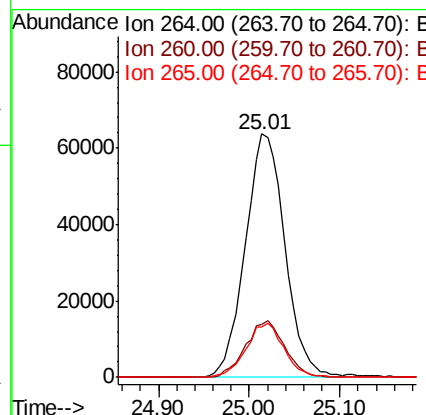
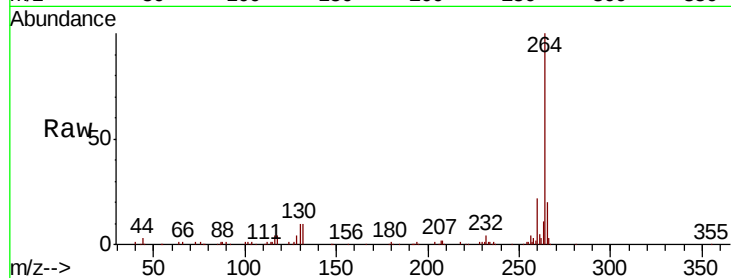




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.01 min Scan# 3732
Delta R.T. -0.01 min
Lab File: BG038509.D
Acq: 12 Dec 2018 22:04

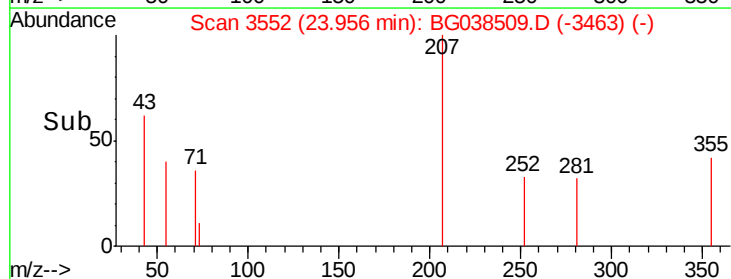
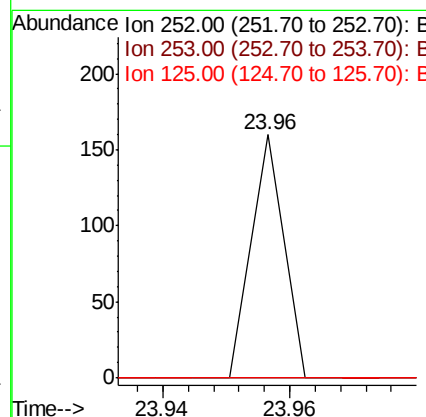
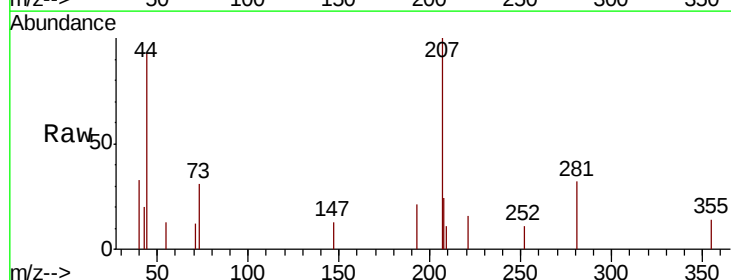
Instrument :
BNA_G
ClientSampleId :
CL-01-121018-B

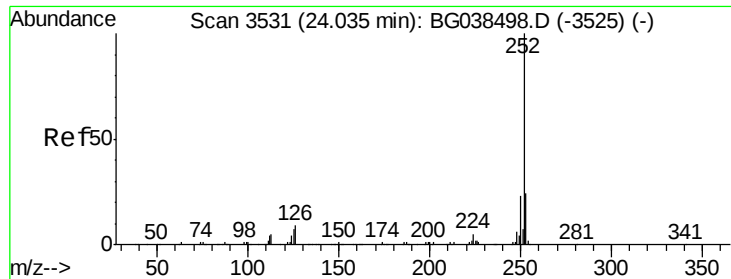
Tgt Ion:264 Resp: 193762
Ion Ratio Lower Upper
264 100
260 21.9 18.9 28.3
265 20.5 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 0.005 ng
RT: 23.96 min Scan# 3552
Delta R.T. -0.01 min
Lab File: BG038509.D
Acq: 12 Dec 2018 22:04

Tgt Ion:252 Resp: 56
Ion Ratio Lower Upper
252 100
253 0.0 18.1 27.1#
125 0.0 5.5 8.3#





#89

Benzo(k)fluoranthene

Concen: 0.006 ng

RT: 23.99 min Scan# 3557

Delta R.T. -0.05 min

Lab File: BG038509.D

Acq: 12 Dec 2018 22:04

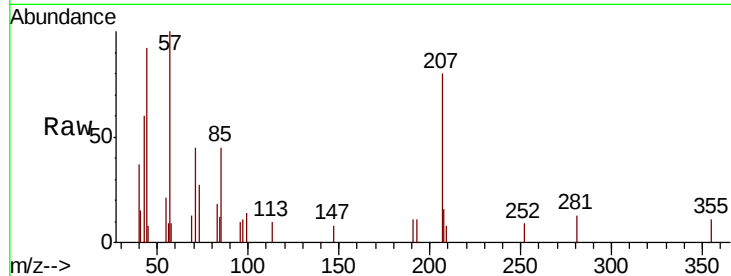
Instrument :

BNA_G

ClientSampleId :

CL-01-121018-B

Tgt Ion:	252	Resp:	64
Ion Ratio	Lower	Upper	
252	100		
253	0.0	18.9	28.3#
125	0.0	5.4	8.2#

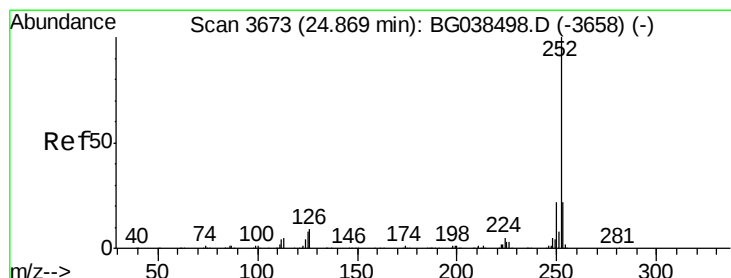
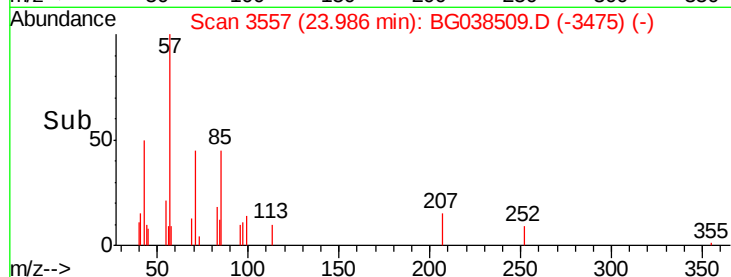
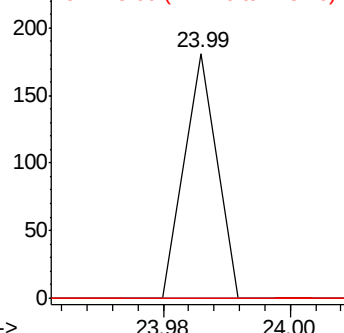


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 0.005 ng

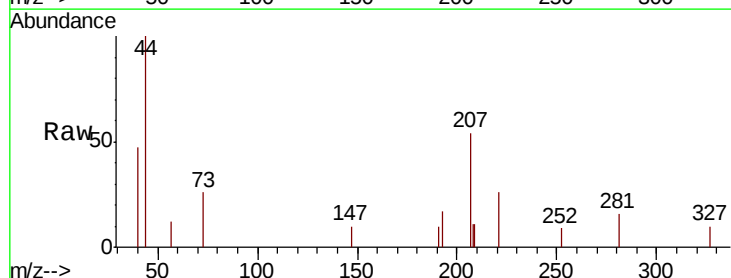
RT: 24.87 min Scan# 3707

Delta R.T. -0.00 min

Lab File: BG038509.D

Acq: 12 Dec 2018 22:04

Tgt Ion:	252	Resp:	54
Ion Ratio	Lower	Upper	
252	100		
253	0.0	17.4	26.0#
125	0.0	6.4	9.6#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

