

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083018\
 Data File : BG036496.D
 Acq On : 31 Aug 2018 2:40
 Operator : JU/SJ
 Sample : PB112500BS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB112500BS

Quant Time: Aug 31 04:20:18 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 23 12:07:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	57852	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	243719	20.00	ng	-0.01
38) Acenaphthene-d10	14.69	164	163345	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	431548	20.00	ng	0.00
75) Chrysene-d12	21.70	240	454306	20.00	ng	-0.01
86) Perylene-d12	24.91	264	484203	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	442422	121.31	ng	0.00
7) Phenol-d6	7.22	99	614304	117.65	ng	0.00
23) Nitrobenzene-d5	9.22	82	358409	79.79	ng	-0.01
41) 2,4,6-Tribromophenol	16.17	330	261408	134.12	ng	0.00
44) 2-Fluorobiphenyl	13.31	172	858267	75.02	ng	-0.01
78) Terphenyl-d14	20.03	244	1513662	77.88	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.53	88	56225	33.035	ng	99
3) Pyridine	3.92	79	167622	35.086	ng	97
4) n-Nitrosodimethylamine	3.84	42	85873	40.356	ng	92
6) Aniline	7.38	93	185907	28.049	ng	95
8) 2-Chlorophenol	7.62	128	175184	44.295	ng	97
9) Benzaldehyde	7.20	77	96188	26.751	ng	99
10) Phenol	7.25	94	245872	44.996	ng	98
11) bis(2-Chloroethyl)ether	7.48	93	166386	38.408	ng	99
12) 1,3-Dichlorobenzene	7.95	146	174298	38.596	ng	98
13) 1,4-Dichlorobenzene	8.10	146	177786	38.993	ng	97
14) 1,2-Dichlorobenzene	8.42	146	169365	38.896	ng	96
15) Benzyl Alcohol	8.29	79	171760	40.805	ng	94
16) 2,2'-oxybis(1-Chloropropan	8.59	45	310595	35.552	ng	99
17) 2-Methylphenol	8.50	107	163796	45.144	ng	99
18) Hexachloroethane	9.15	117	63154	38.633	ng	94
19) n-Nitroso-di-n-propylamine	8.86	70	141210	36.185	ng	96
20) 3+4-Methylphenols	8.82	107	228445	45.097	ng	96
22) Acetophenone	8.88	105	265377	41.466	ng	97
24) Nitrobenzene	9.26	77	209178	43.185	ng	99
25) Isophorone	9.79	82	399217	44.738	ng	97
26) 2-Nitrophenol	9.97	139	90073	46.927	ng	94
27) 2,4-Dimethylphenol	10.03	122	183371	51.601	ng	97
28) bis(2-Chloroethoxy)methane	10.27	93	235561	43.012	ng	99
29) 2,4-Dichlorophenol	10.51	162	193275	49.626	ng	96
30) 1,2,4-Trichlorobenzene	10.73	180	190401	41.791	ng	98
31) Naphthalene	10.92	128	542569	44.534	ng	99
32) Benzoic acid	10.15	122	78720	31.570	ng	94
33) 4-Chloroaniline	11.02	127	111826	20.030	ng	98
34) Hexachlorobutadiene	11.20	225	125283	40.927	ng	98
35) Caprolactam	11.79	113	72419	46.678	ng	93
36) 4-Chloro-3-methylphenol	12.14	107	219709	48.551	ng	99
37) 2-Methylnaphthalene	12.52	142	428423	48.059	ng	98
39) 1,2,4,5-Tetrachlorobenzene	12.88	216	243414	42.109	ng	99
40) Hexachlorocyclopentadiene	12.87	237	293200	97.485	ng	98

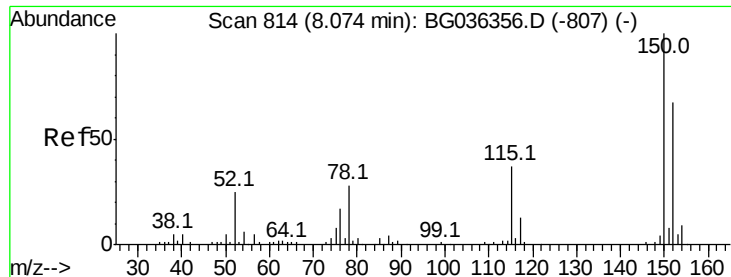
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083018\
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 QLast Update : Thu Aug 23 12:07:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.12	196	167668	47.616	ng	98
43) 2,4,5-Trichlorophenol	13.19	196	184843	49.215	ng	98
45) 1,1'-Biphenyl	13.52	154	560748	41.356	ng	98
46) 2-Chloronaphthalene	13.56	162	431327	41.670	ng	99
47) 2-Nitroaniline	13.76	65	152255	46.841	ng	95
48) Acenaphthylene	14.41	152	737034	45.560	ng	99
49) Dimethylphthalate	14.14	163	590756	44.291	ng	98
50) 2,6-Dinitrotoluene	14.26	165	129099	47.037	ng	95
51) Acenaphthene	14.75	154	444697	42.922	ng	99
52) 3-Nitroaniline	14.59	138	95002	32.121	ng	98
53) 2,4-Dinitrophenol	14.79	184	38553	37.085	ng	92
54) Dibenzofuran	15.09	168	702186	43.261	ng	99
55) 4-Nitrophenol	14.89	139	213253	88.184	ng	98
56) 2,4-Dinitrotoluene	15.04	165	181803	50.825	ng	87
57) Fluorene	15.73	166	568517	46.853	ng	97
58) 2,3,4,6-Tetrachlorophenol	15.30	232	183983	52.139	ng	96
59) Diethylphthalate	15.50	149	592346	44.067	ng	100
60) 4-Chlorophenyl-phenylether	15.73	204	321780	42.946	ng	97
61) 4-Nitroaniline	15.75	138	149736	48.380	ng	96
62) Azobenzene	16.02	77	583104	42.635	ng	97
64) 4,6-Dinitro-2-methylphenol	15.80	198	48879	25.784	ng	95
65) n-Nitrosodiphenylamine	15.94	169	528940	41.250	ng	99
66) 4-Bromophenyl-phenylether	16.62	248	216073	42.765	ng	100
67) Hexachlorobenzene	16.73	284	217150	42.031	ng	98
68) Atrazine	16.88	200	223769	46.492	ng	98
69) Pentachlorophenol	17.08	266	219465	62.503	ng	97
70) Phenanthrene	17.47	178	987435	45.030	ng	98
71) Anthracene	17.57	178	999422	45.722	ng	98
72) Carbazole	17.83	167	904550	41.436	ng	100
73) Di-n-butylphthalate	18.39	149	1032119	42.458	ng	99
74) Fluoranthene	19.48	202	1224545	45.803	ng	98
76) Benzidine	19.65	184	495643	34.196	ng	100
77) Pyrene	19.84	202	1220881	43.701	ng	98
79) Butylbenzylphthalate	20.73	149	487564	43.853	ng	93
80) Benzo(a)anthracene	21.68	228	1234894	44.868	ng	99
81) 3,3'-Dichlorobenzidine	21.59	252	270931	24.700	ng	99
82) Chrysene	21.74	228	1141029	43.738	ng	97
83) Bis(2-ethylhexyl)phthalate	21.59	149	666076	42.812	ng	99
84) Di-n-octyl phthalate	22.81	149	1140531	43.888	ng	97
85) Indeno(1,2,3-cd)pyrene	28.56	276	1432050	47.262	ng	# 95
87) Benzo(b)fluoranthene	23.89	252	1244080	46.269	ng	98
88) Benzo(k)fluoranthene	23.96	252	1207685	45.975	ng	99
89) Benzo(a)pyrene	24.76	252	1223089	47.338	ng	99
90) Dibenzo(a,h)anthracene	28.63	278	1152271	46.196	ng	98
91) Benzo(g,h,i)perylene	29.72	276	1162592	46.381	ng	98

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

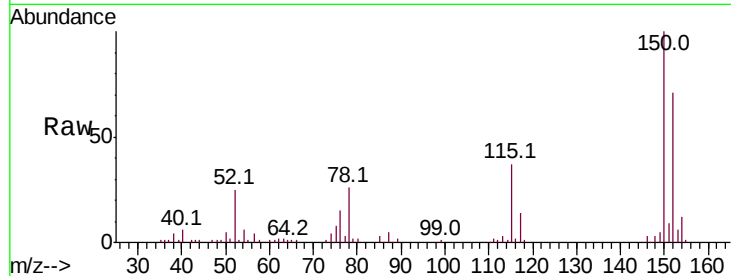


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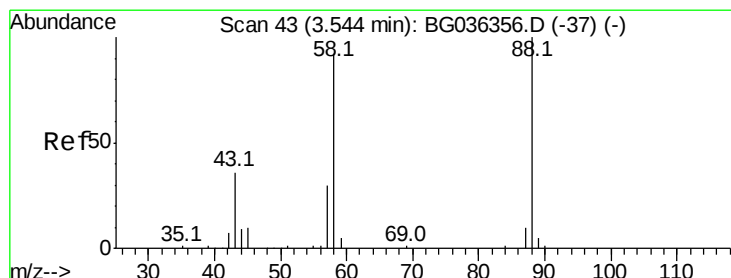
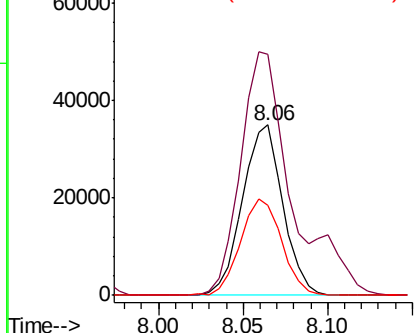
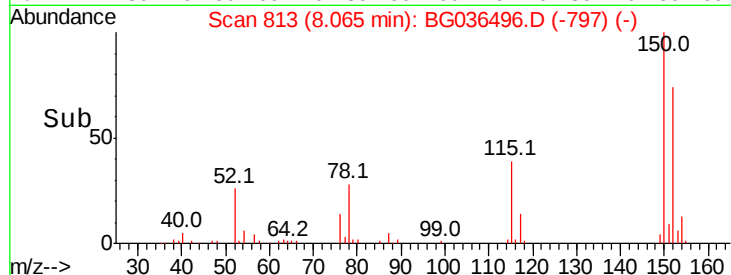
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG036496.D
Acq: 31 Aug 2018 2:40

Instrument :
BNA_G
ClientSampleId :
PB112500BS

Tot Ion:152 Resp: 57852
Ion Ratio Lower Upper
152 100
150 141.8 119.5 179.3
115 52.7 44.5 66.7



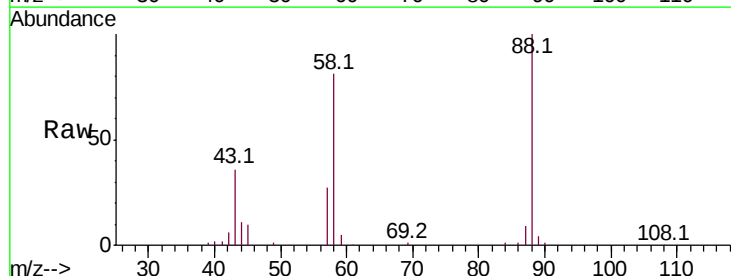
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



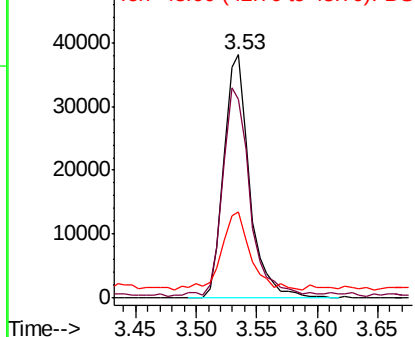
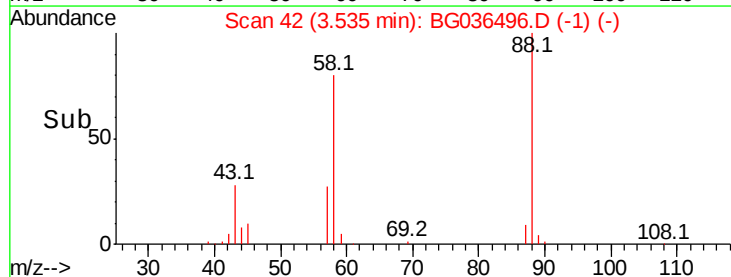
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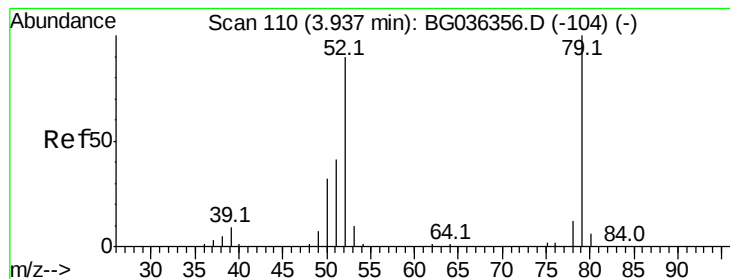
1,4-Dioxane
Concen: 33.035 ng
RT: 3.53 min Scan# 42
Delta R.T. -0.01 min
Lab File: BG036496.D
Acq: 31 Aug 2018 2:40

Tgt Ion: 88 Resp: 56225
Ion Ratio Lower Upper
88 100
58 89.8 72.6 109.0
43 35.9 29.0 43.4



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





#3

Pvridine

Concen: 35.086 ng

RT: 3.92 min Scan# 108

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Instrument :

BNA_G

ClientSampleId :

PB112500BS

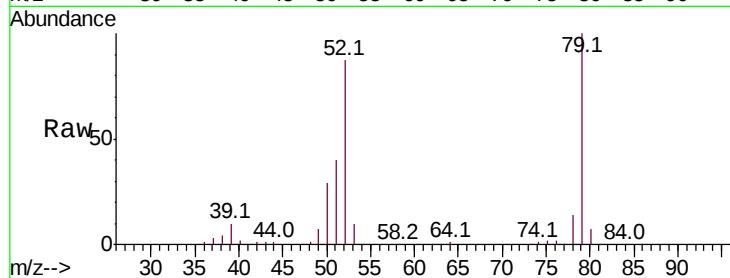
Tot Ion: 79 Resp: 167622

Ion Ratio Lower Upper

79 100

52 87.3 72.3 108.5

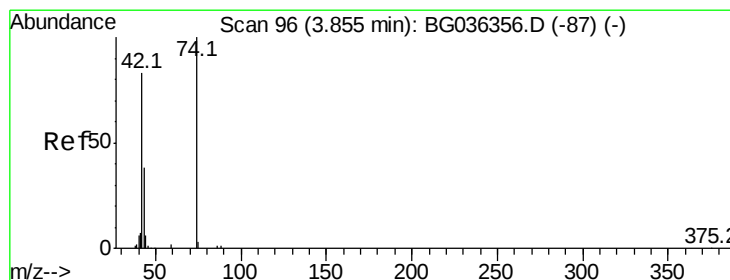
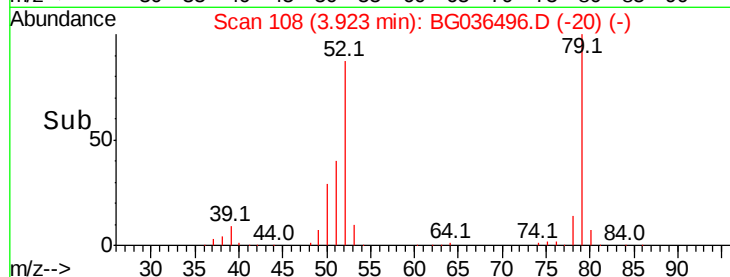
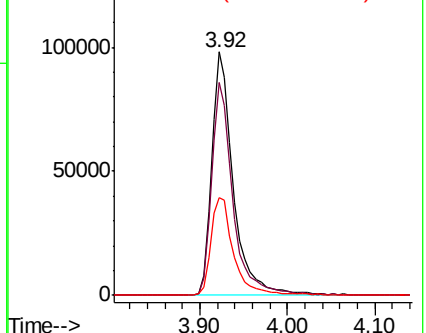
51 40.3 33.8 50.6



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 40.356 ng

RT: 3.84 min Scan# 94

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

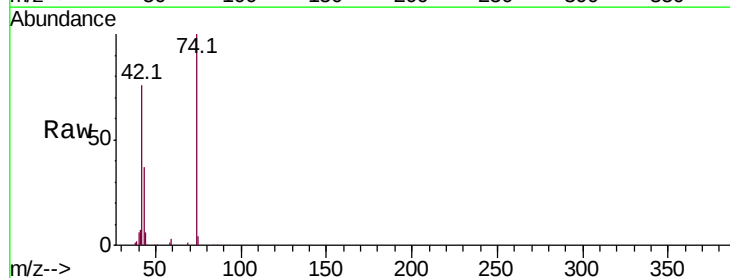
Tgt Ion: 42 Resp: 85873

Ion Ratio Lower Upper

42 100

74 130.7 96.6 145.0

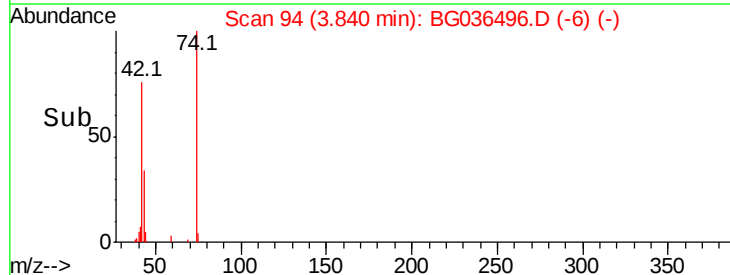
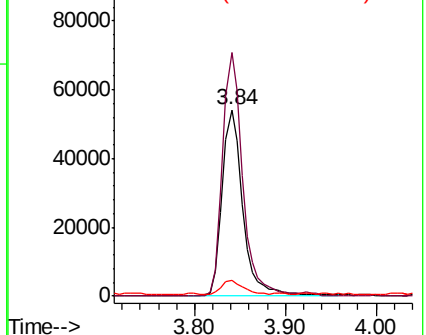
44 8.3 7.0 10.4

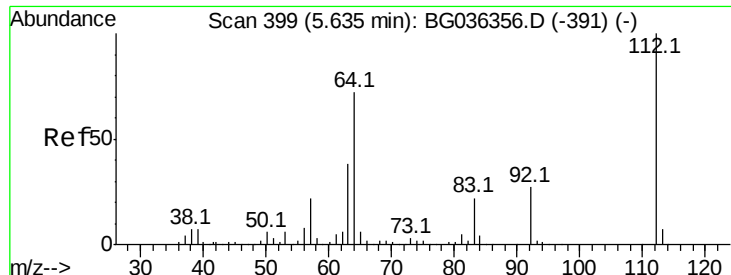


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC

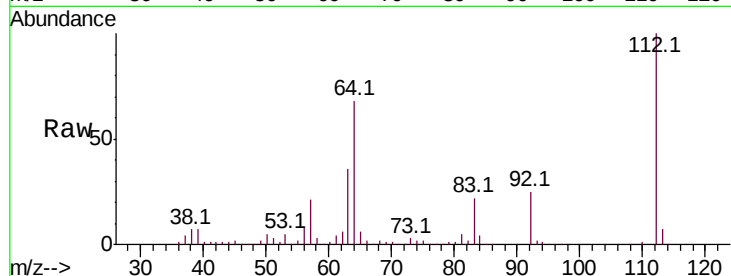




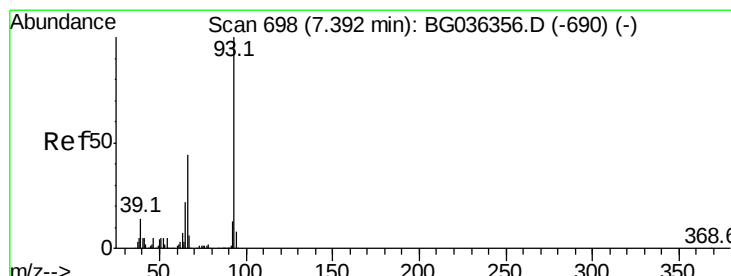
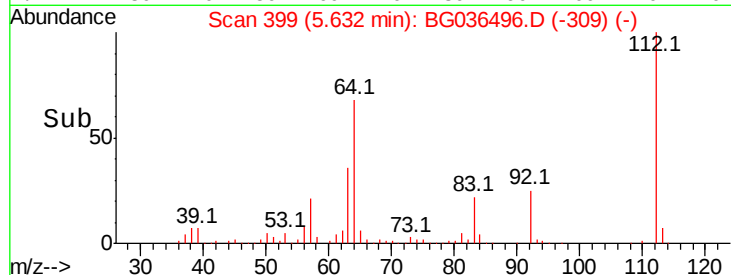
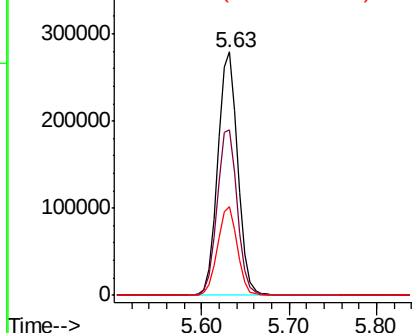
#5
 2-Fluorophenol
 Concen: 121.312 ng
 RT: 5.63 min Scan# 399
 Delta R.T. -0.00 min
 Lab File: BG036496.D
 Acq: 31 Aug 2018 2:40

Instrument :
 BNA_G
 ClientSampleId :
 PB112500BS

Tot Ion:	112	Resp:	442422
Ion	Ratio	Lower	Upper
112	100		
64	67.7	57.2	85.8
63	36.3	30.8	46.2

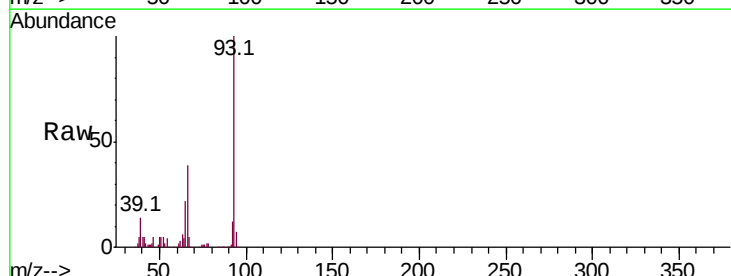


Abundance Ion 112.00 (111.70 to 112.70): BGC
 Ion 64.00 (63.70 to 64.70): BGC
 Ion 63.00 (62.70 to 63.70): BGC

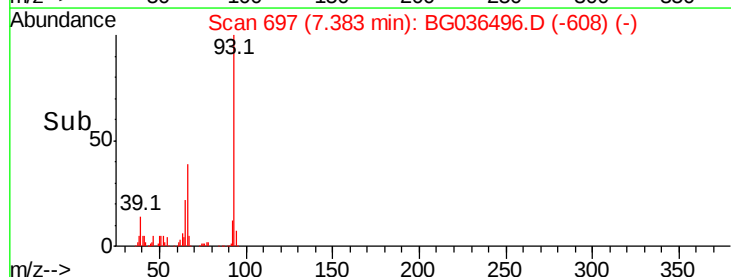
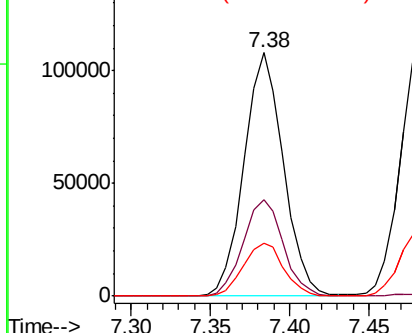


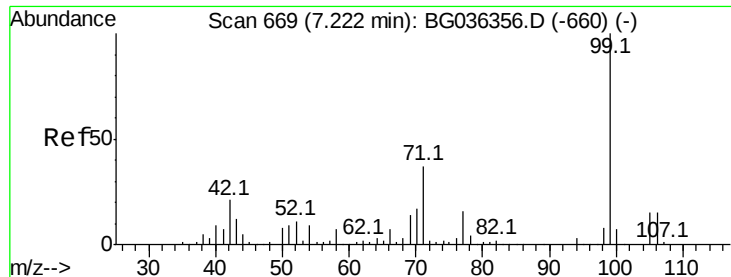
#6
 Aniline
 Concen: 28.049 ng
 RT: 7.38 min Scan# 697
 Delta R.T. -0.01 min
 Lab File: BG036496.D
 Acq: 31 Aug 2018 2:40

Tgt Ion:	93	Resp:	185907
Ion	Ratio	Lower	Upper
93	100		
66	39.5	35.0	52.4
65	21.6	17.6	26.4



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: 117.647 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Instrument :

BNA_G

ClientSampled :

PB112500BS

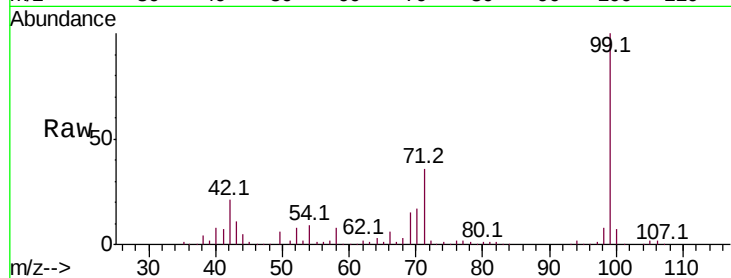
Tot Ion: 99 Resp: 614304

Ion Ratio Lower Upper

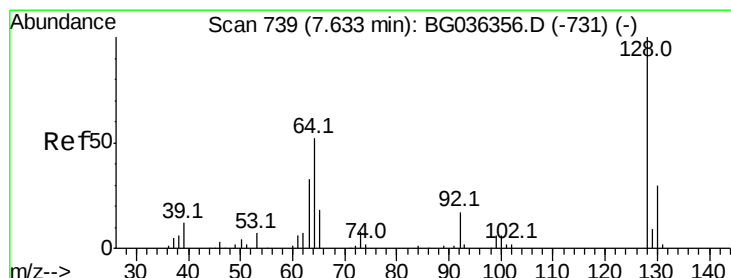
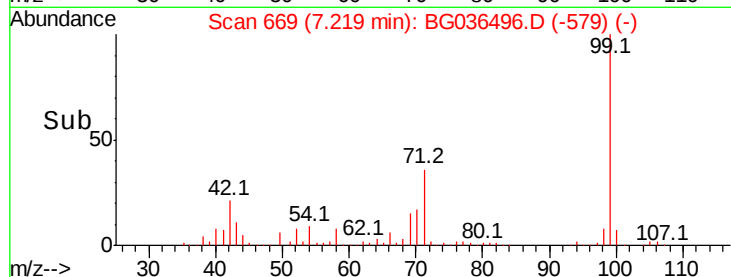
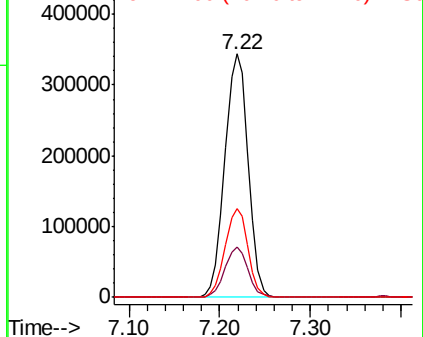
99 100

42 20.6 16.5 24.7

71 36.2 29.4 44.2



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



#8

2-Chlorophenol

Concen: 44.295 ng

RT: 7.62 min Scan# 738

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

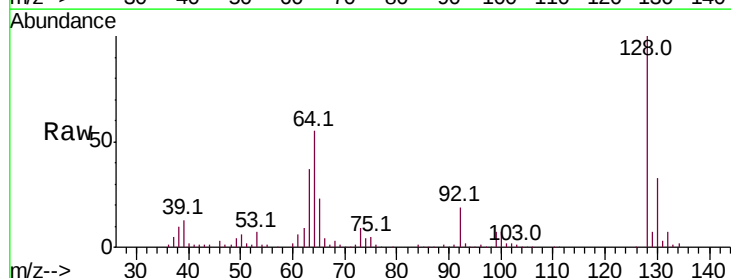
Tgt Ion: 128 Resp: 175184

Ion Ratio Lower Upper

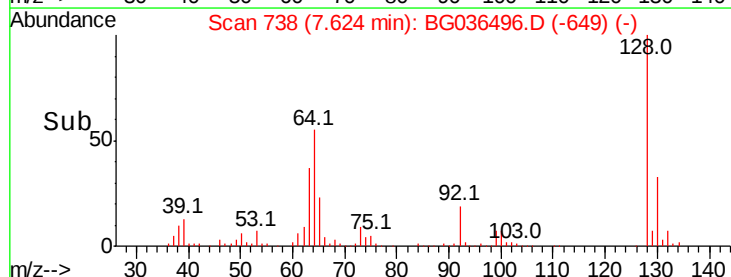
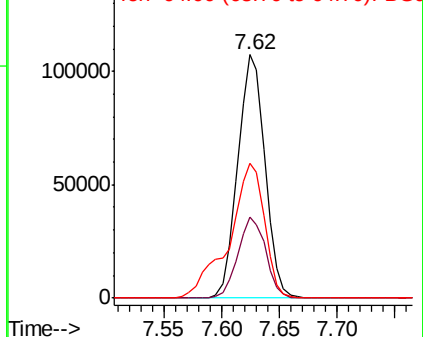
128 100

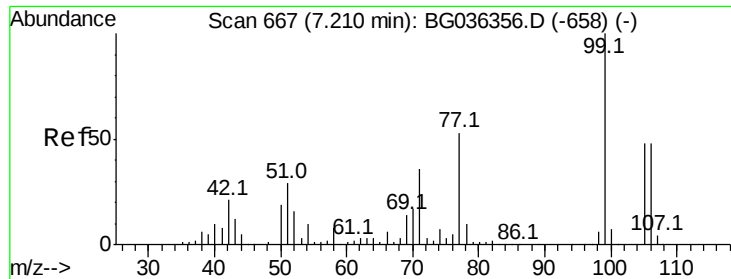
130 33.1 10.0 50.0

64 55.2 36.0 76.0



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 26.751 ng

RT: 7.20 min Scan# 665

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Instrument :

BNA_G

ClientSampleID :

PB112500BS

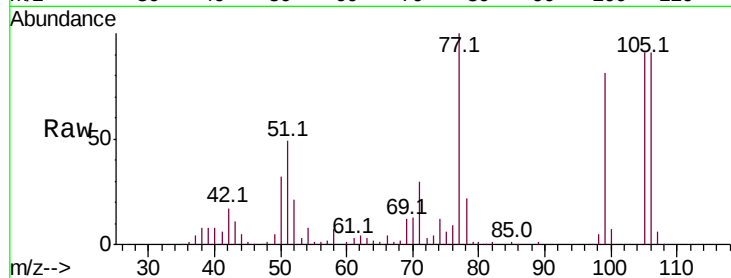
Tot Ion: 77 Resp: 96188

Ion Ratio Lower Upper

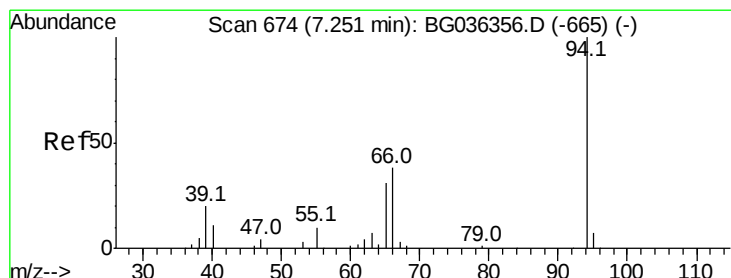
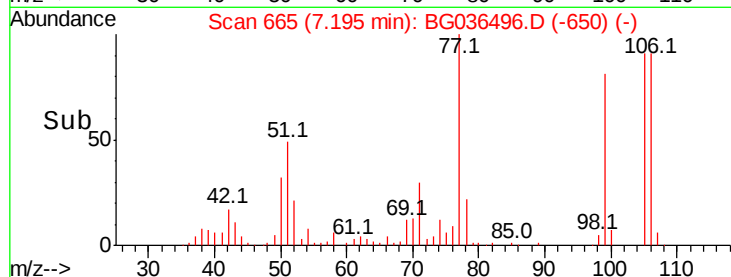
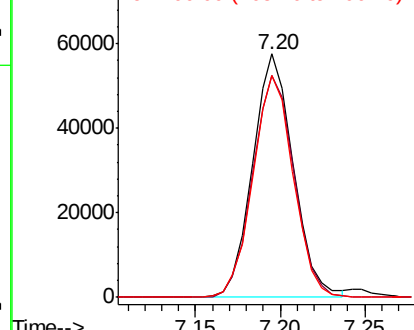
77 100

105 91.0 70.5 110.5

106 91.1 69.8 109.8



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: 44.996 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

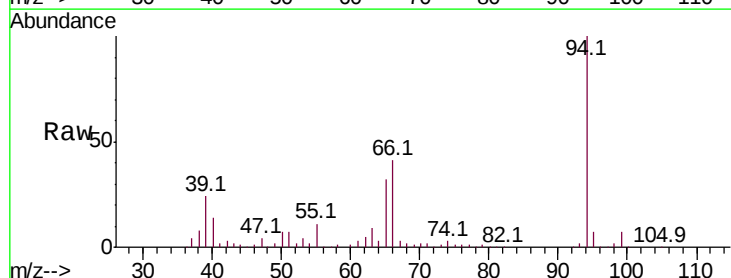
Tgt Ion: 94 Resp: 245872

Ion Ratio Lower Upper

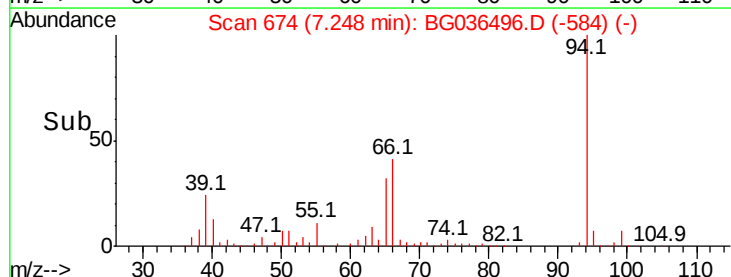
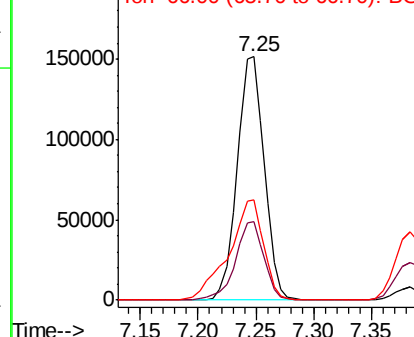
94 100

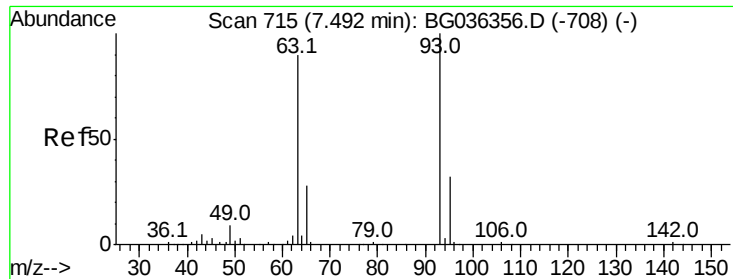
65 32.5 11.5 51.5

66 41.3 19.5 59.5



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

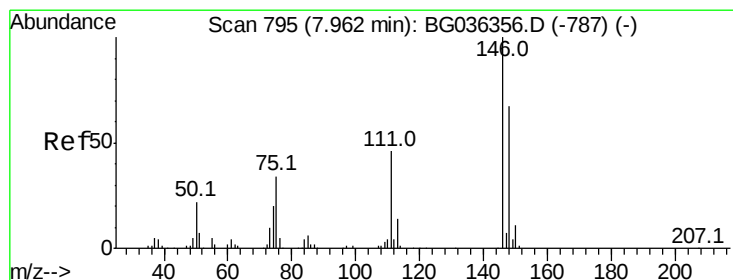
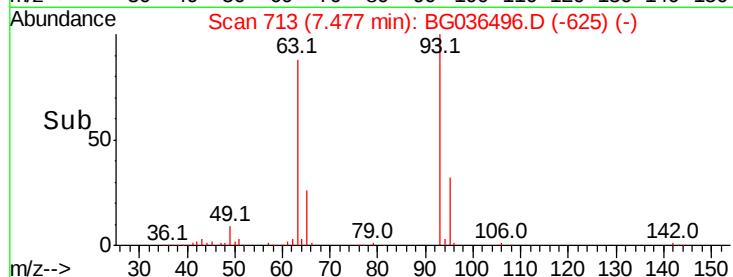
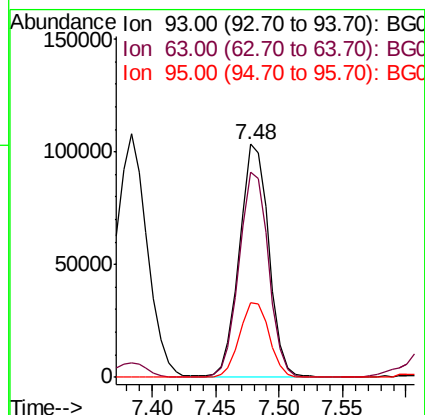
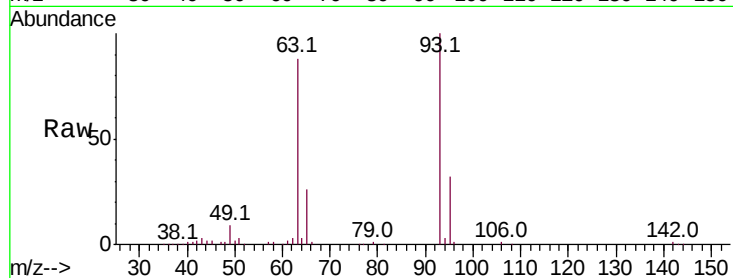




#11
bis(2-Chloroethyl)ether
Concen: 38.408 ng
RT: 7.48 min Scan# 713
Delta R.T. -0.01 min
Lab File: BG036496.D
Acq: 31 Aug 2018 2:40

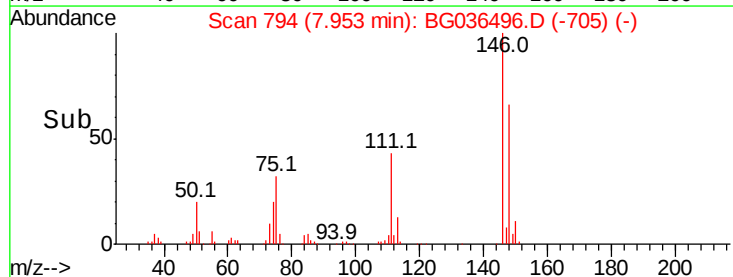
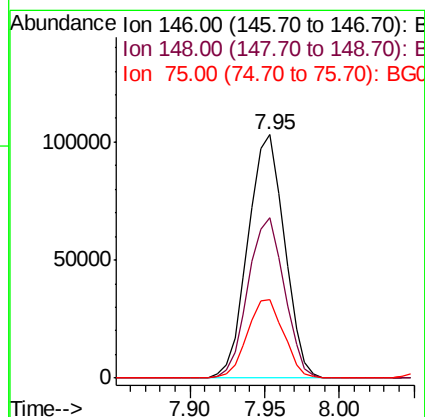
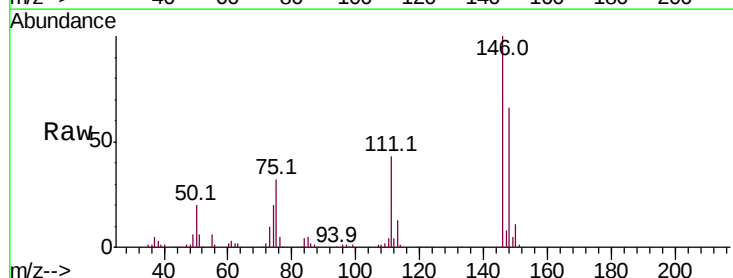
Instrument :
BNA_G
ClientSampleId :
PB112500BS

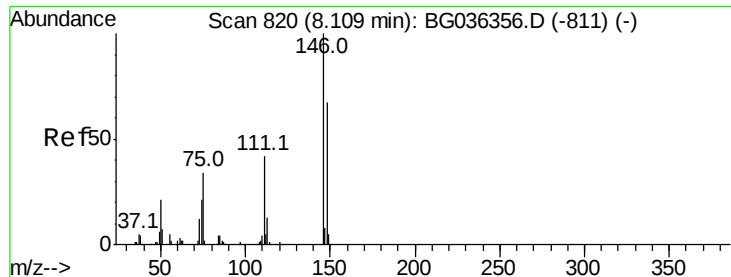
Tot Ion: 93 Resp: 166386
Ion Ratio Lower Upper
93 100
63 88.3 69.9 109.9
95 31.8 11.7 51.7



#12
1,3-Dichlorobenzene
Concen: 38.596 ng
RT: 7.95 min Scan# 794
Delta R.T. -0.01 min
Lab File: BG036496.D
Acq: 31 Aug 2018 2:40

Tgt Ion: 146 Resp: 174298
Ion Ratio Lower Upper
146 100
148 65.9 53.8 80.6
75 32.4 27.2 40.8





#13

1,4-Dichlorobenzene

Concen: 38.993 ng

RT: 8.10 min Scan# 819

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Instrument :

BNA_G

ClientSampleId :

PB112500BS

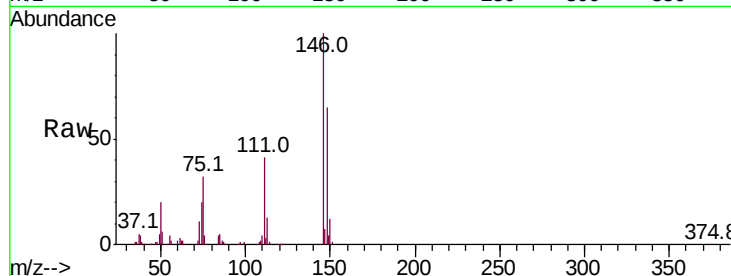
Tot Ion:146 Resp: 177786

Ion Ratio Lower Upper

146 100

148 65.0 53.9 80.9

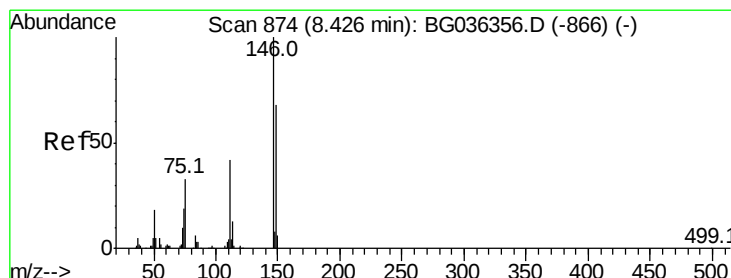
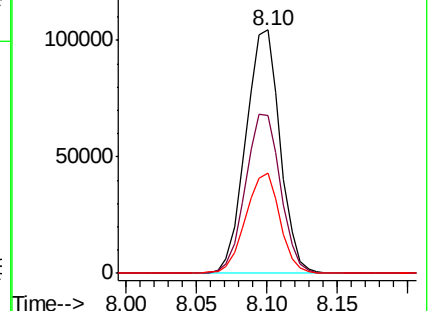
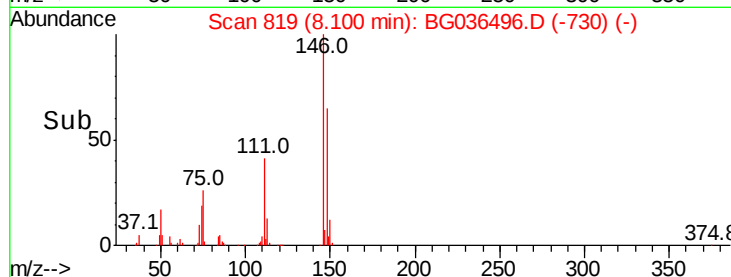
111 40.9 33.8 50.6



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



#14

1,2-Dichlorobenzene

Concen: 38.896 ng

RT: 8.42 min Scan# 873

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

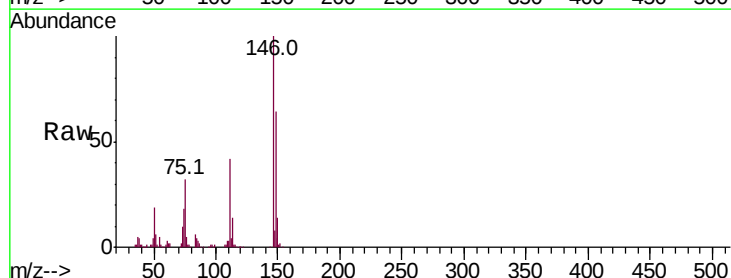
Tgt Ion:146 Resp: 169365

Ion Ratio Lower Upper

146 100

148 64.2 55.0 82.6

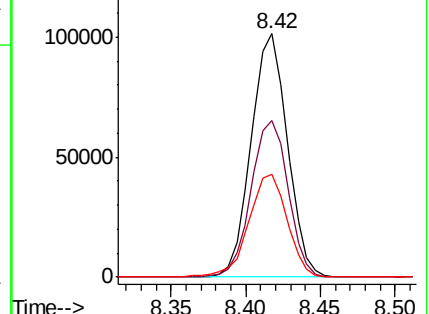
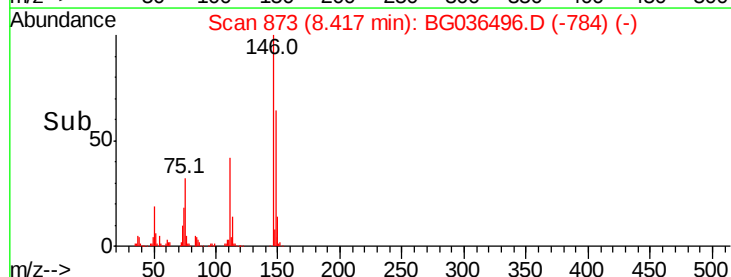
111 42.2 34.6 51.8

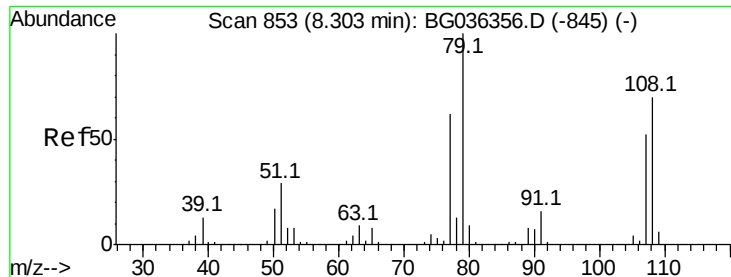


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 40.805 ng

RT: 8.29 min Scan# 852

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Instrument :

BNA_G

ClientSampleId :

PB112500BS

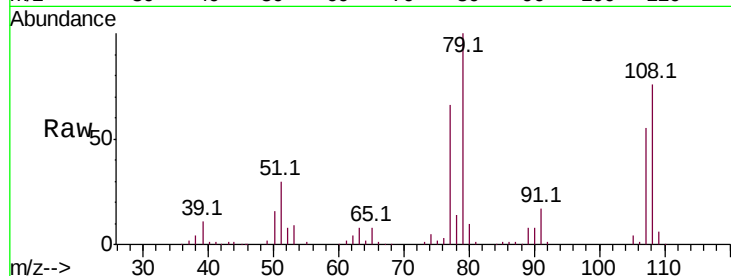
Tot Ion: 79 Resp: 171760

Ion Ratio Lower Upper

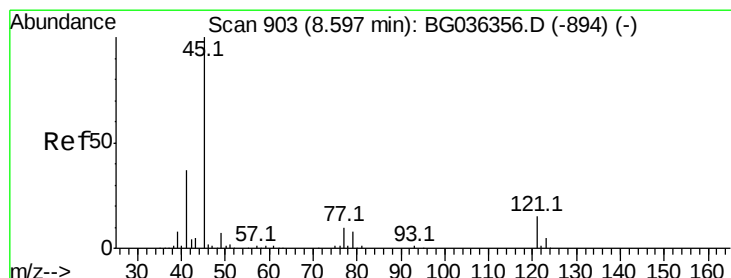
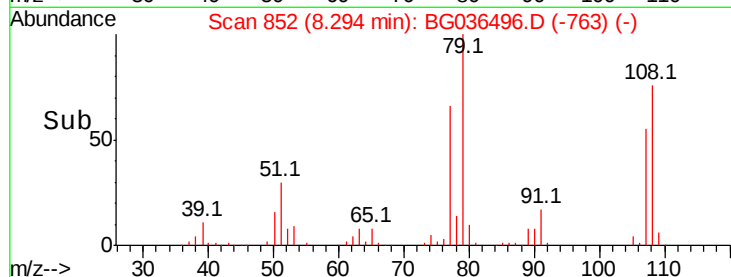
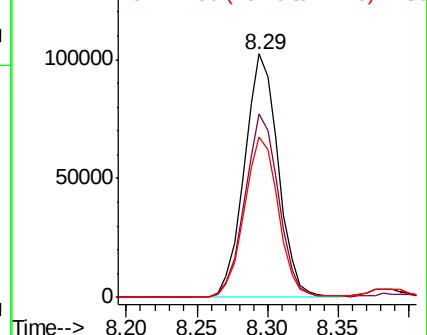
79 100

108 75.6 55.9 83.9

77 65.9 50.0 75.0



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: 35.552 ng

RT: 8.59 min Scan# 902

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

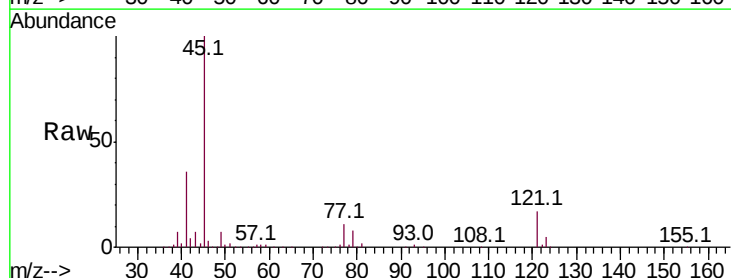
Tgt Ion: 45 Resp: 310595

Ion Ratio Lower Upper

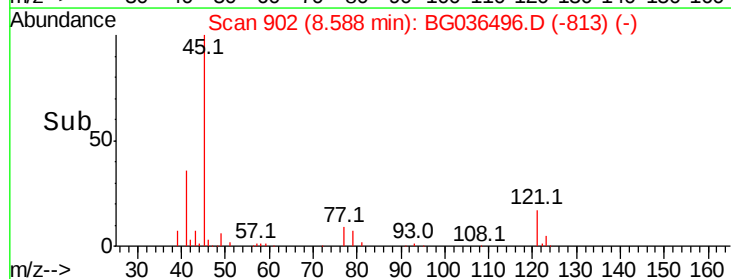
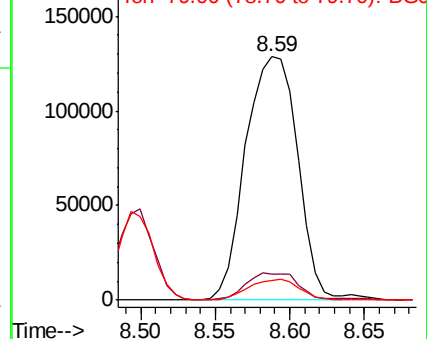
45 100

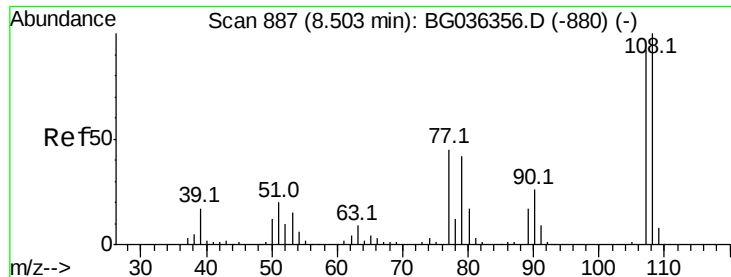
77 10.6 0.0 30.5

79 8.3 0.0 27.9



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC





#17

2-Methylphenol

Concen: 45.144 ng

RT: 8.50 min Scan# 887

Delta R.T. -0.00 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Instrument :

BNA_G

ClientSampleId :

PB112500BS

Tot Ion:107 Resp: 163796

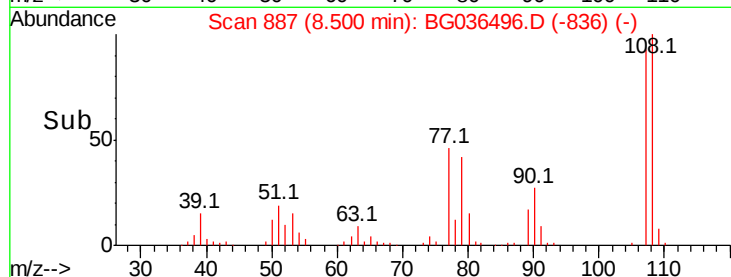
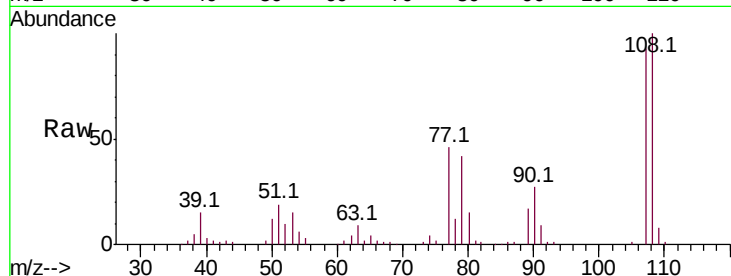
Ion Ratio Lower Upper

107 100

108 108.0 86.7 130.1

77 49.4 39.0 58.4

79 45.2 36.6 54.8

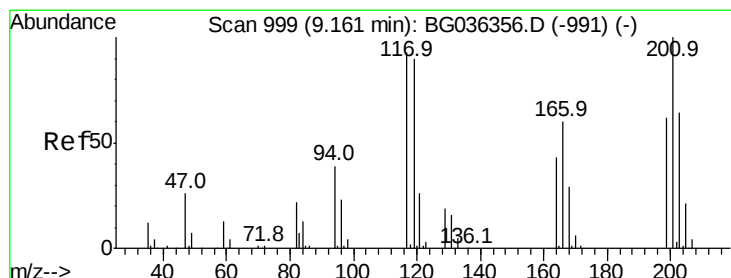
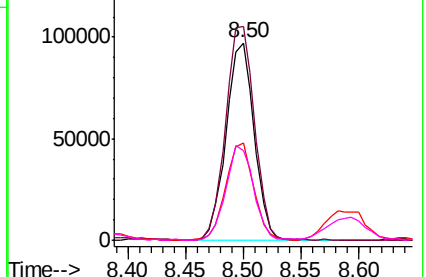


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 38.633 ng

RT: 9.15 min Scan# 997

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

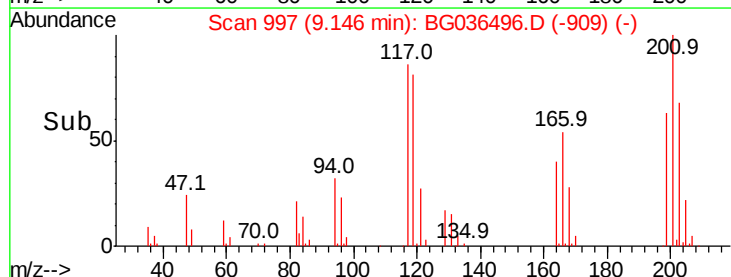
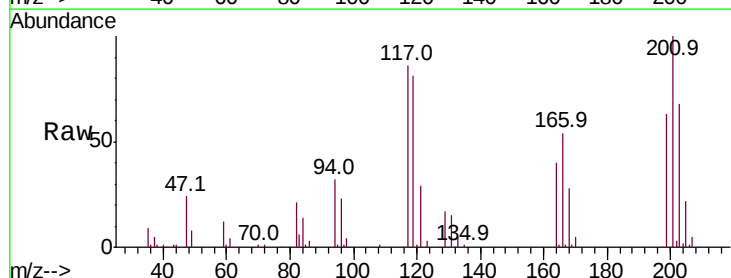
Tgt Ion:117 Resp: 63154

Ion Ratio Lower Upper

117 100

119 93.4 76.8 115.2

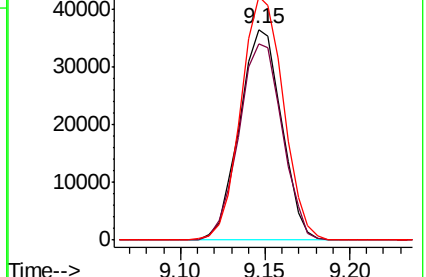
201 115.6 85.7 128.5

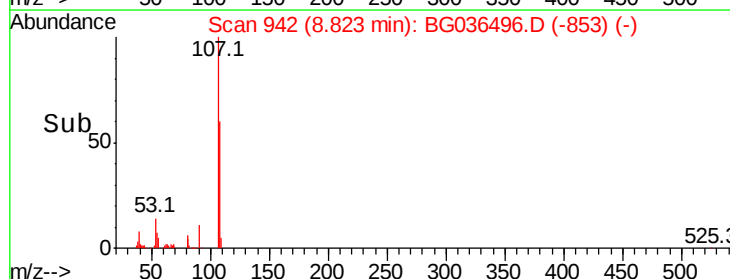
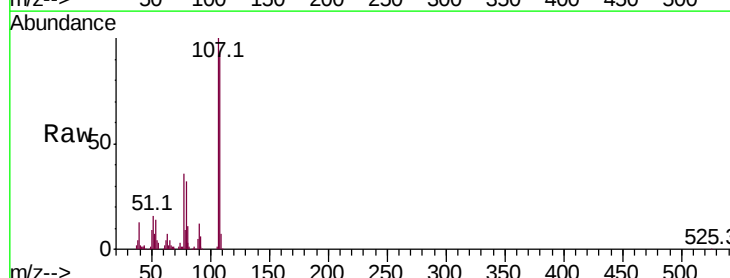
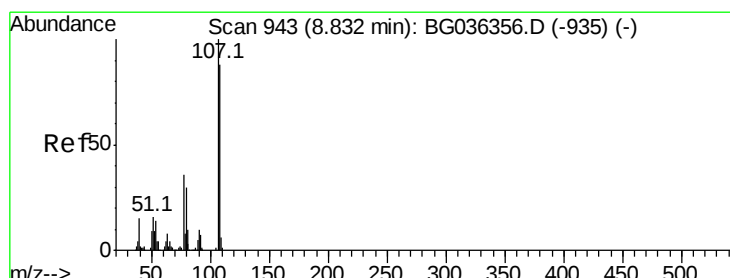
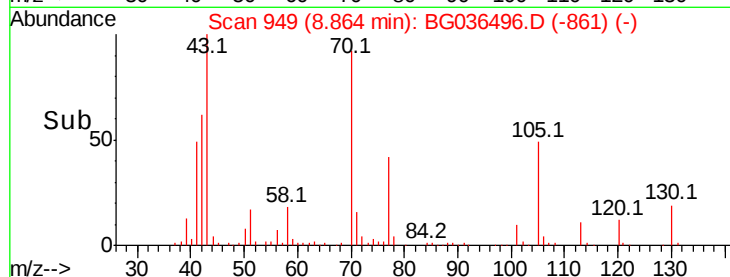
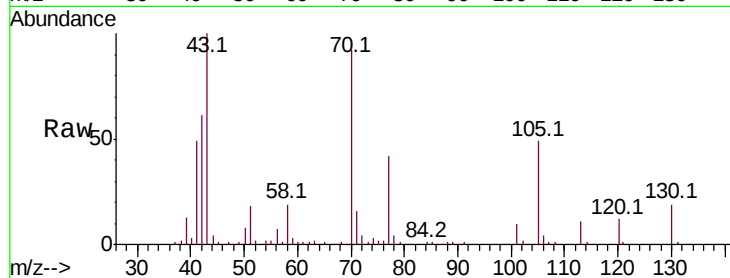
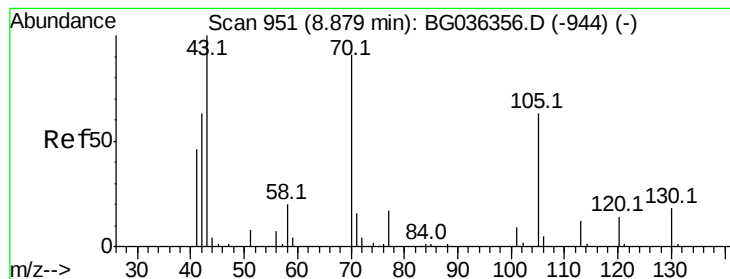


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 36.185 ng

RT: 8.86 min Scan# 949

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Instrument :

BNA_G

ClientSampleId :

PB112500BS

Tot Ion: 70 Resp: 141210

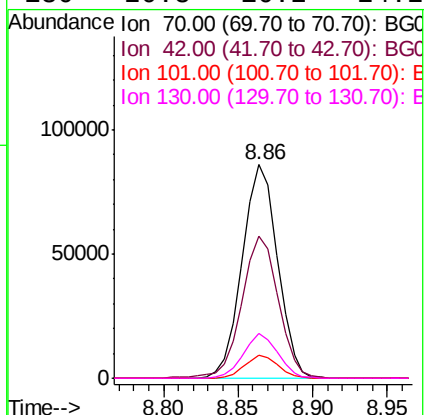
Ion Ratio Lower Upper

70 100

42 66.7 56.2 84.4

101 11.0 7.8 11.6

130 20.8 16.2 24.2



#20

3+4-Methylphenols

Concen: 45.097 ng

RT: 8.82 min Scan# 942

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Tgt Ion:107 Resp: 228445

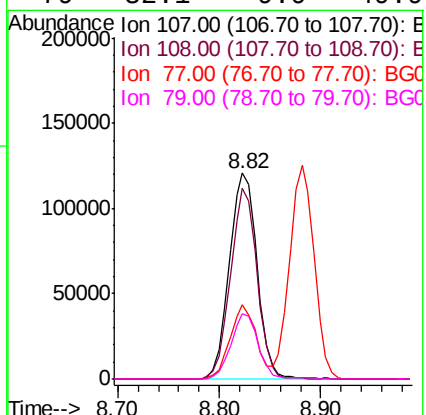
Ion Ratio Lower Upper

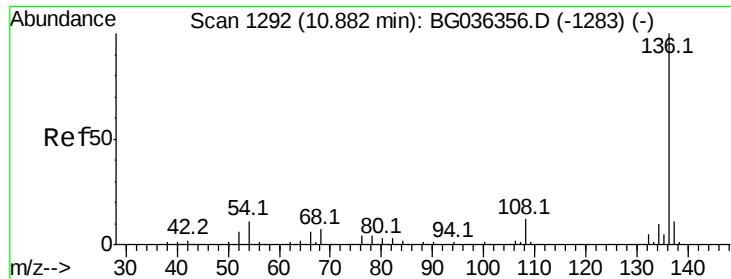
107 100

108 92.6 68.0 108.0

77 36.2 15.6 55.6

79 32.1 9.9 49.9

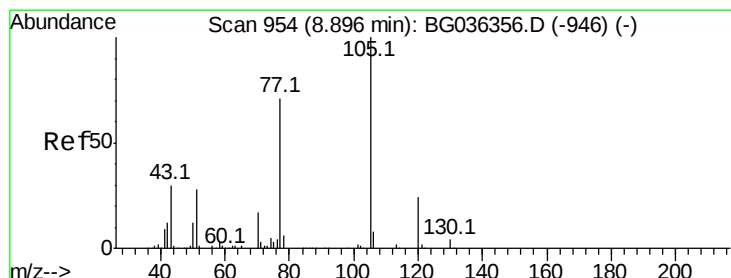
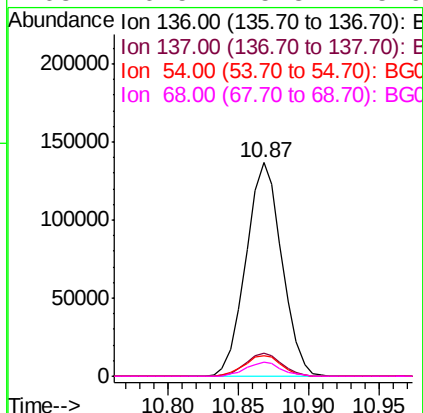
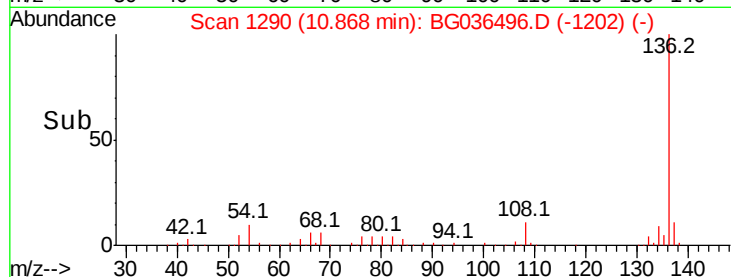
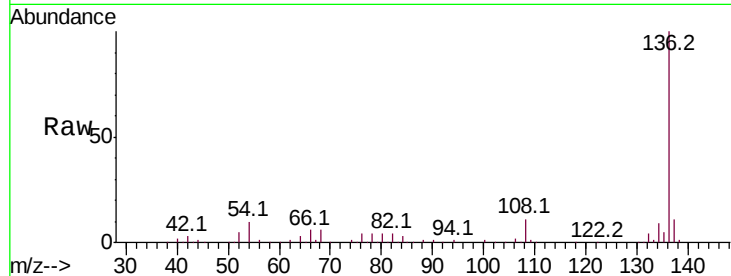




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BG036496.D
Acq: 31 Aug 2018 2:40

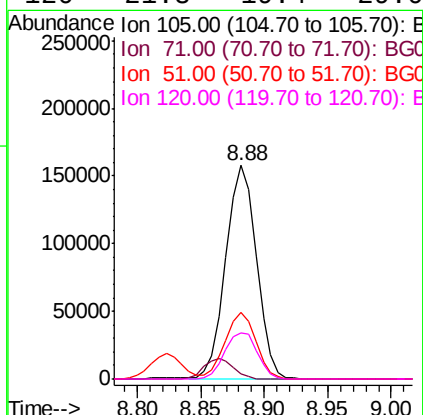
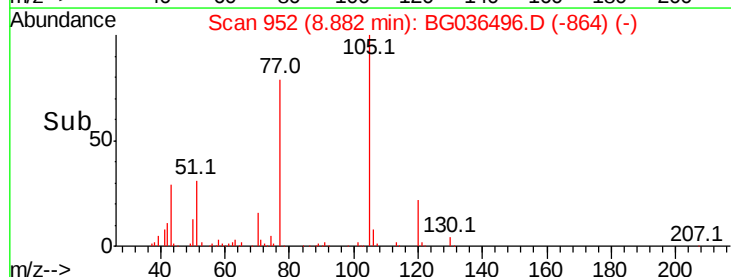
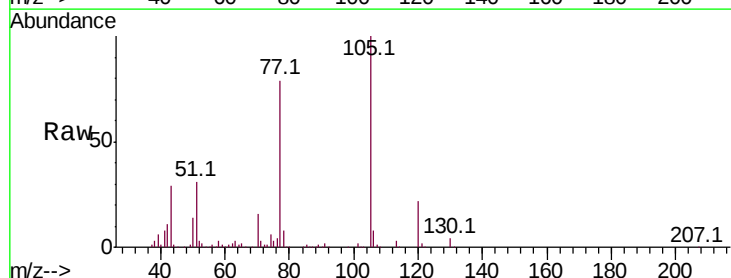
Instrument :
BNA_G
ClientSampleId :
PB112500BS

Tot Ion:	136	Resp:	243719
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	9.7	9.2	13.8
68	6.5	5.8	8.6



#22
Acetophenone
Concen: 41.466 ng
RT: 8.88 min Scan# 952
Delta R.T. -0.01 min
Lab File: BG036496.D
Acq: 31 Aug 2018 2:40

Tgt Ion:	105	Resp:	265377
Ion	Ratio	Lower	Upper
105	100		
71	2.5	2.4	3.6
51	31.1	25.9	38.9
120	21.8	19.4	29.0

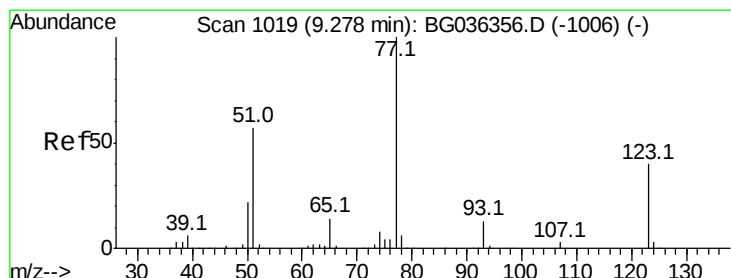
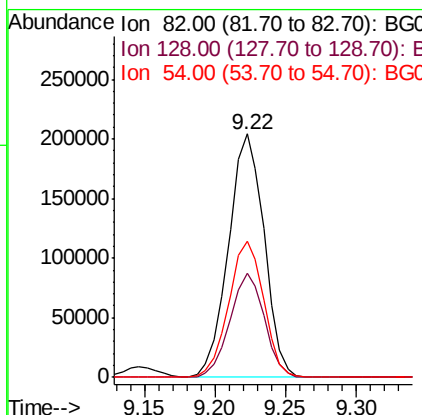
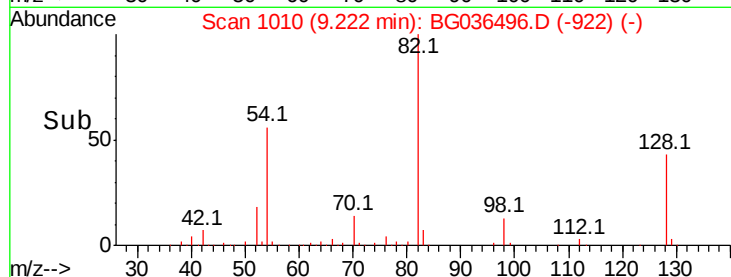
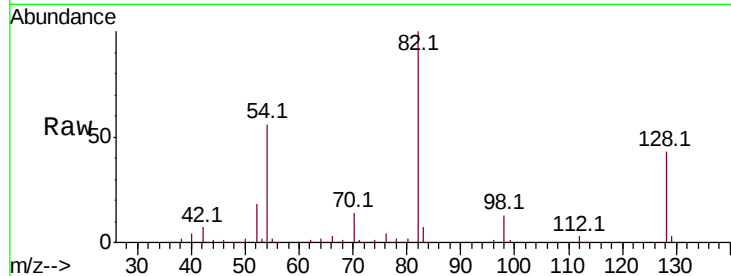




#23
 Nitrobenzene-d5
 Concen: 79.789 ng
 RT: 9.22 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: BG036496.D
 Acq: 31 Aug 2018 2:40

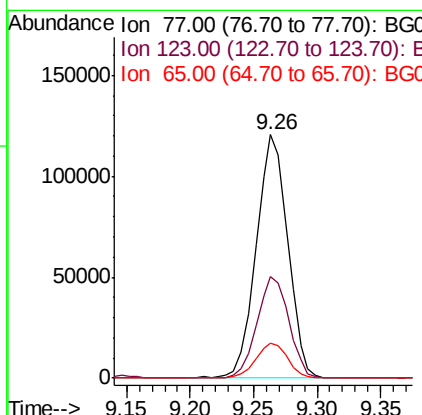
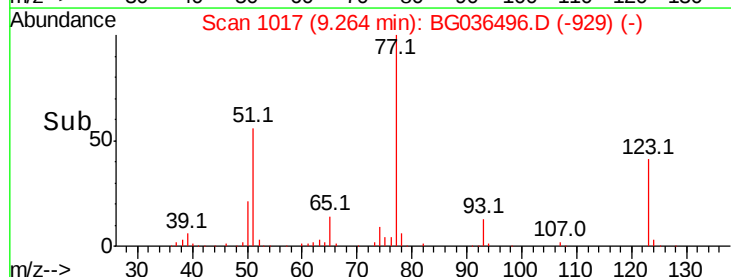
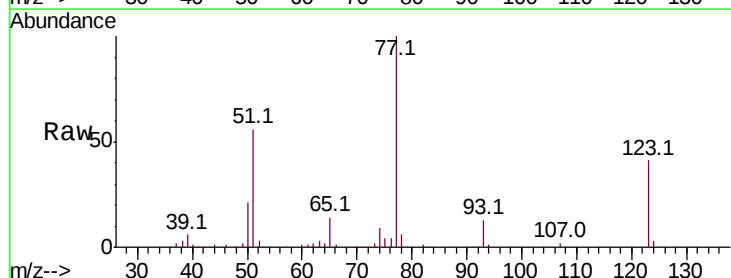
Instrument :
 BNA_G
 ClientSampleId :
 PB112500BS

Tot Ion	82	Resp	358409
Ion Ratio	Lower	Upper	
82	100		
128	42.6	33.3	49.9
54	56.0	45.1	67.7



#24
 Nitrobenzene
 Concen: 43.185 ng
 RT: 9.26 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: BG036496.D
 Acq: 31 Aug 2018 2:40

Tgt Ion	77	Resp	209178
Ion Ratio	Lower	Upper	
77	100		
123	41.5	32.4	48.6
65	14.3	11.5	17.3





#25

Isophorone

Concen: 44.738 ng

RT: 9.79 min Scan# 1106

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Instrument :

BNA_G

ClientSampleId :

PB112500BS

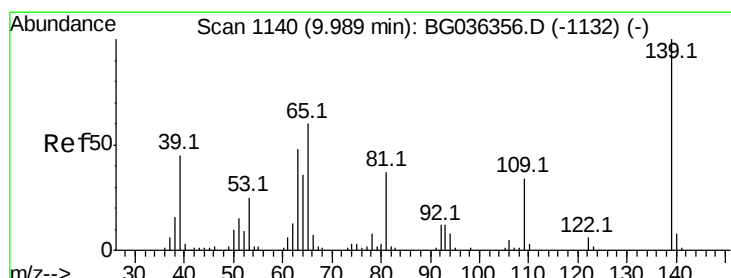
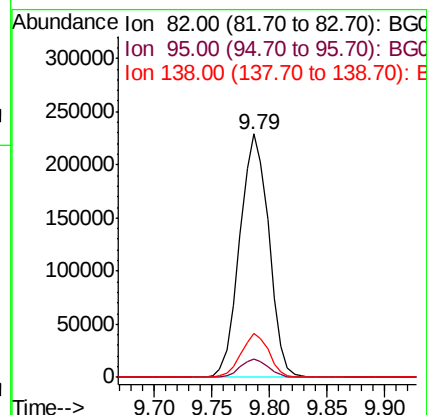
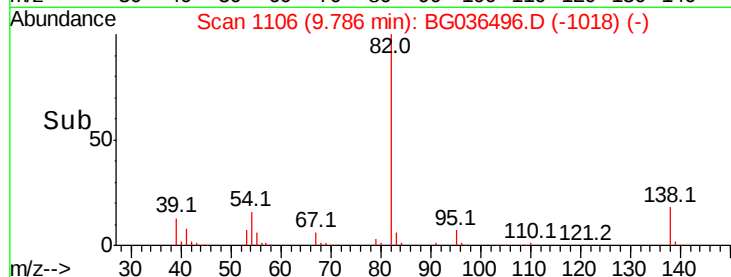
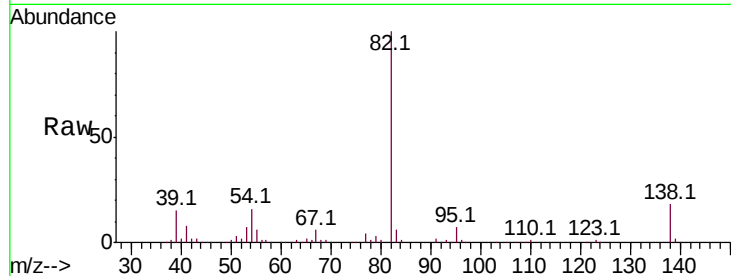
Tot Ion: 82 Resp: 399217

Ion Ratio Lower Upper

82 100

95 7.4 5.8 8.8

138 18.0 12.9 19.3



#26

2-Nitrophenol

Concen: 46.927 ng

RT: 9.97 min Scan# 1138

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

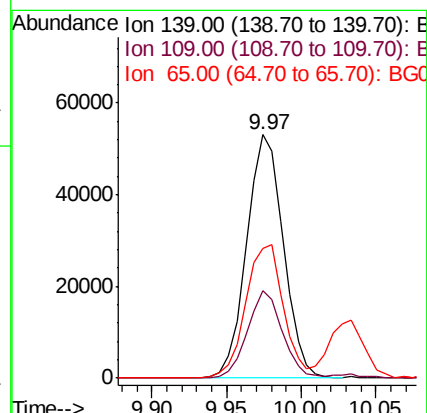
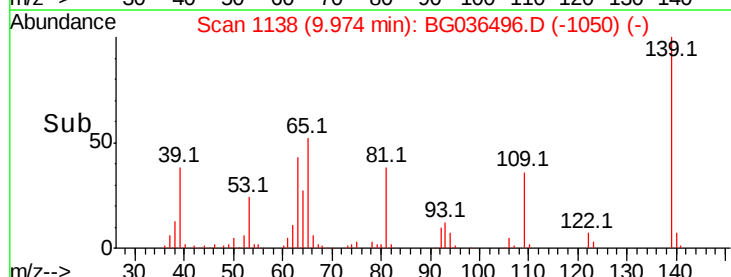
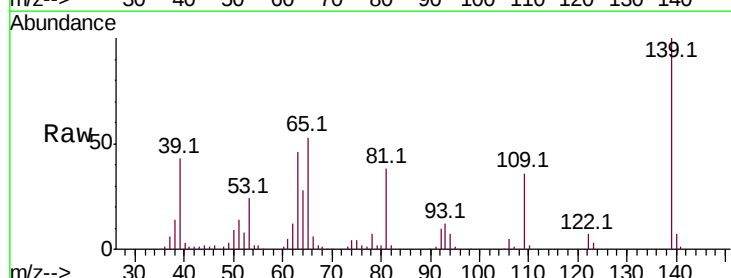
Tgt Ion:139 Resp: 90073

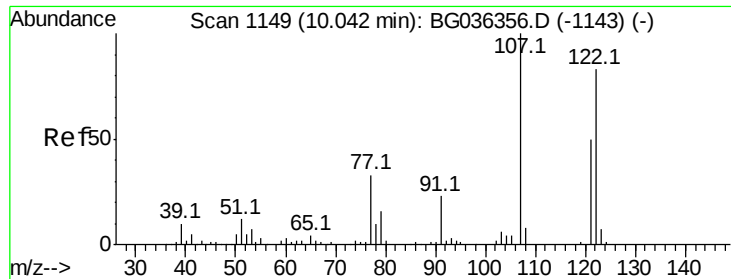
Ion Ratio Lower Upper

139 100

109 35.8 27.4 41.0

65 53.4 47.8 71.6

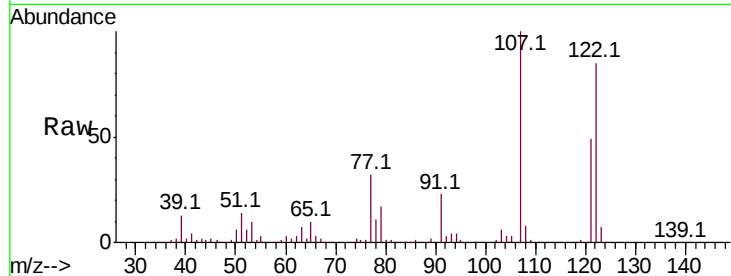




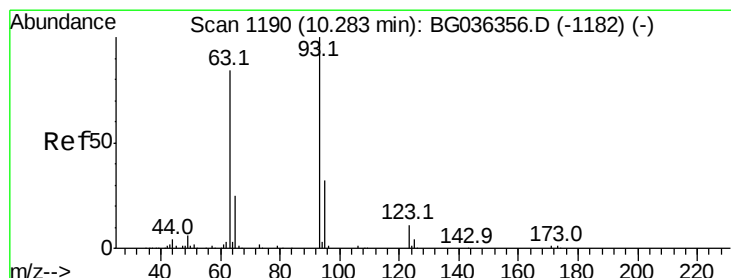
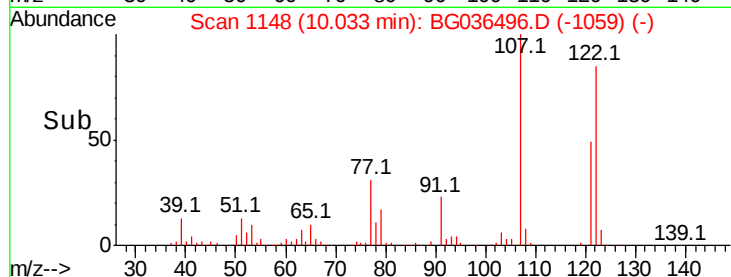
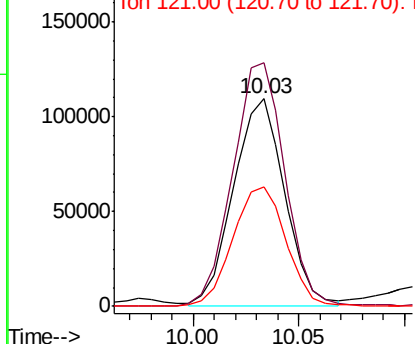
#27
 2,4-Dimethylphenol
 Concen: 51.601 ng
 RT: 10.03 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BG036496.D
 Acq: 31 Aug 2018 2:40

Instrument :
 BNA_G
 ClientSampleId :
 PB112500BS

Tot Ion:122 Resp: 183371
 Ion Ratio Lower Upper
 122 100
 107 117.3 96.0 144.0
 121 57.6 48.2 72.4

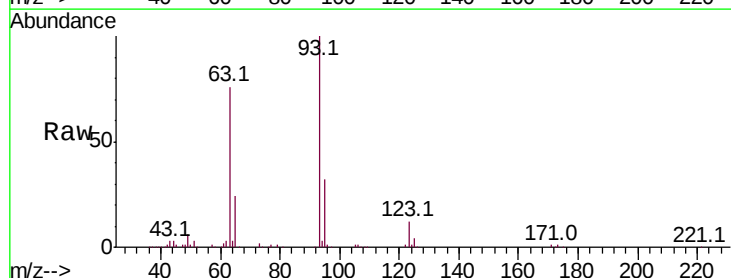


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

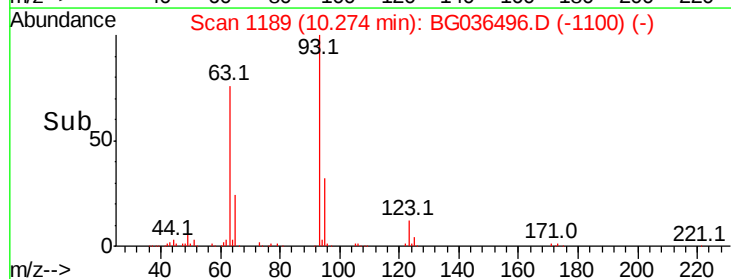
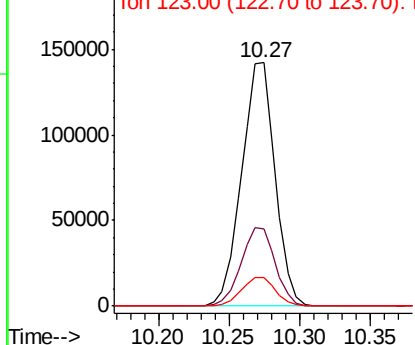


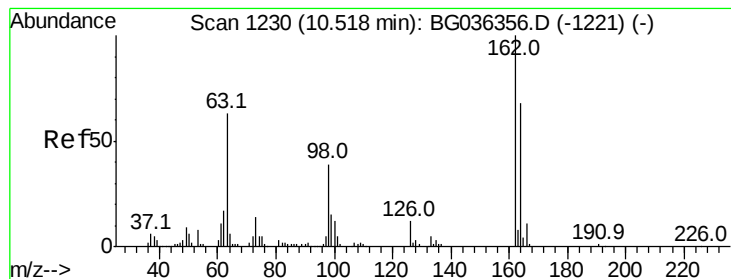
#28
 bis(2-Chloroethoxy)methane
 Concen: 43.012 ng
 RT: 10.27 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BG036496.D
 Acq: 31 Aug 2018 2:40

Tgt Ion: 93 Resp: 235561
 Ion Ratio Lower Upper
 93 100
 95 31.7 25.2 37.8
 123 11.6 8.6 12.8



Abundance Ion 93.00 (92.70 to 93.70): BGC
 Ion 95.00 (94.70 to 95.70): BGC
 Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 49.626 ng

RT: 10.51 min Scan# 1229

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Instrument :

BNA_G

ClientSampleId :

PB112500BS

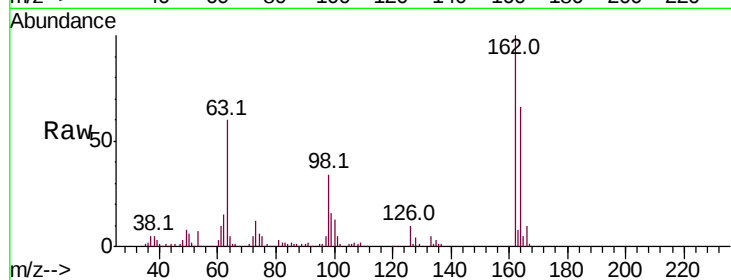
Tot Ion:162 Resp: 193275

Ion Ratio Lower Upper

162 100

164 66.2 47.6 87.6

98 34.4 19.2 59.2

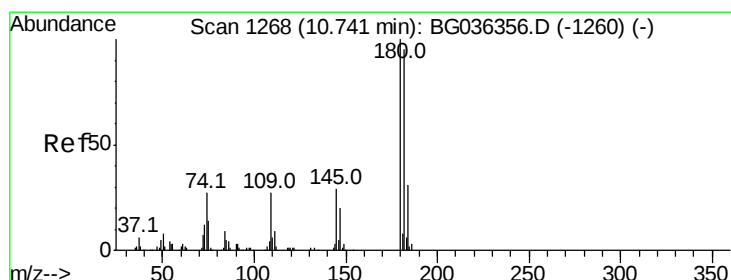
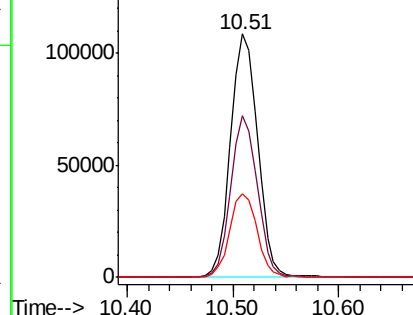
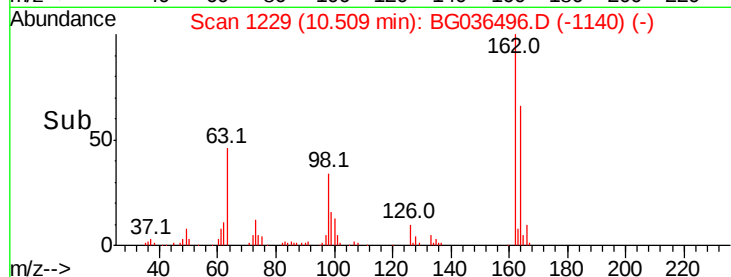


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B



#30

1,2,4-Trichlorobenzene

Concen: 41.791 ng

RT: 10.73 min Scan# 1266

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

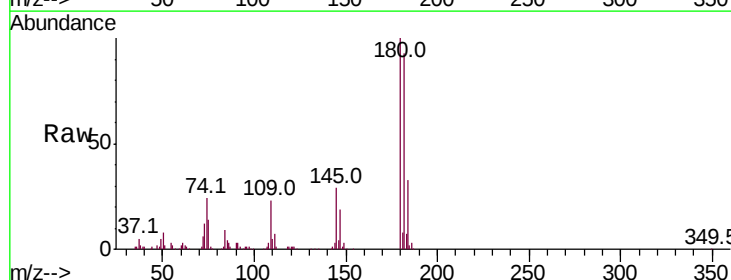
Tgt Ion:180 Resp: 190401

Ion Ratio Lower Upper

180 100

182 92.8 76.0 114.0

145 28.9 22.9 34.3

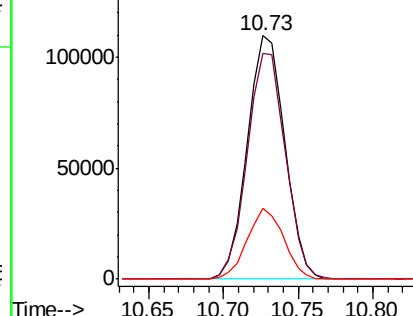
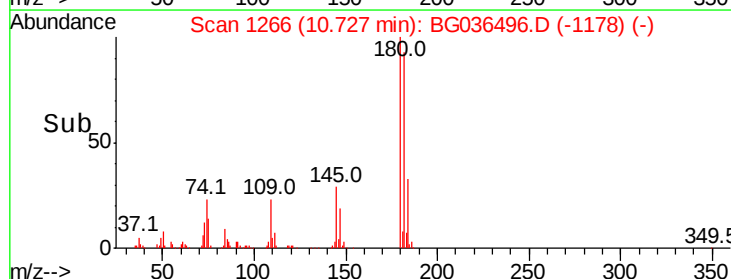


Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

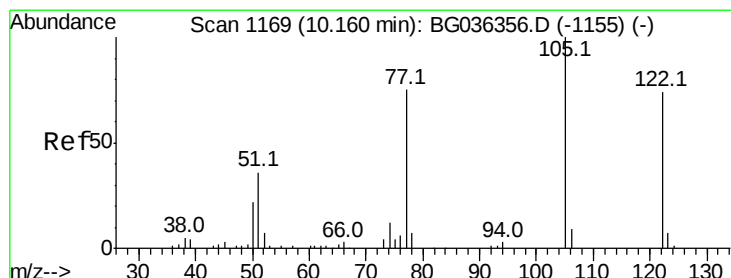
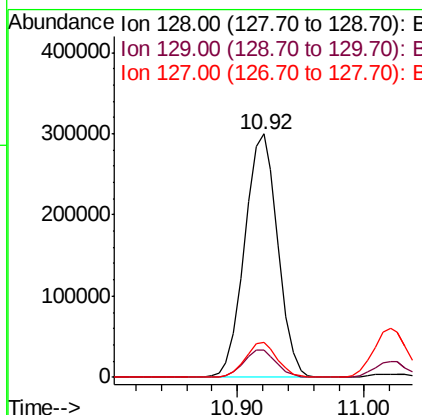
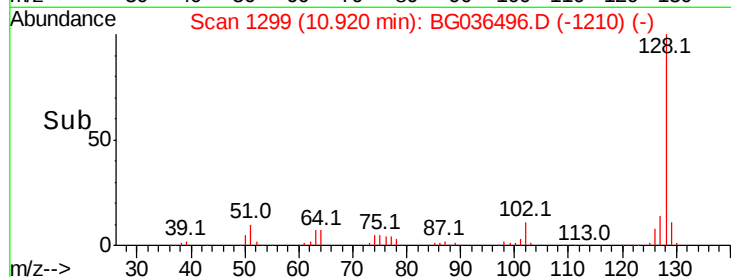
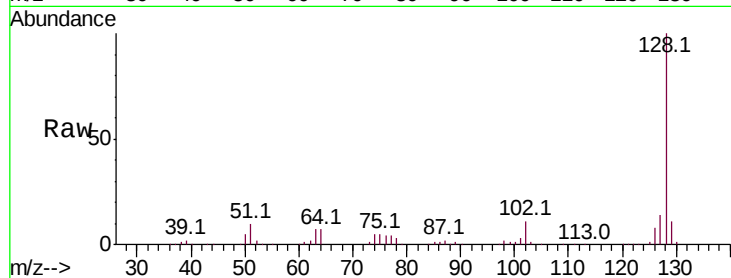




#31
Naphthalene
Concen: 44.534 ng
RT: 10.92 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BG036496.D
Acq: 31 Aug 2018 2:40

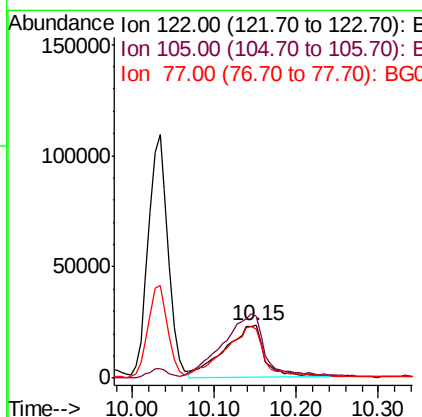
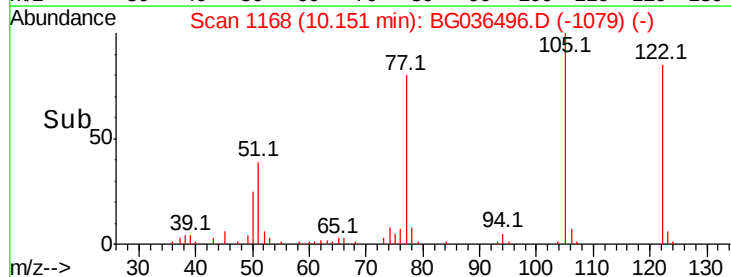
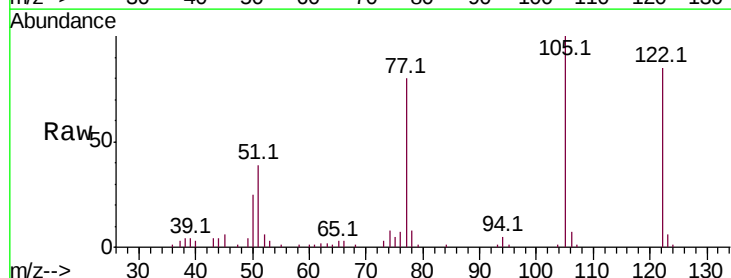
Instrument :
BNA_G
ClientSampleId :
PB112500BS

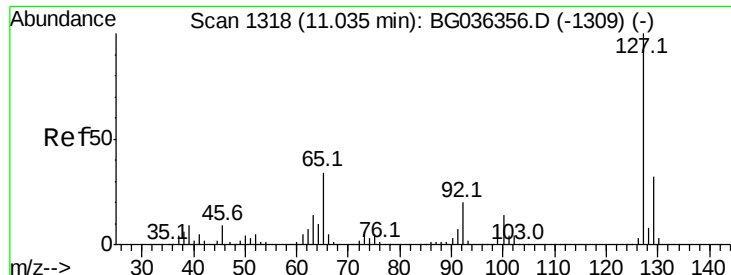
Tot Ion:128 Resp: 542569
Ion Ratio Lower Upper
128 100
129 11.2 9.4 14.2
127 14.2 11.0 16.4



#32
Benzoic acid
Concen: 31.570 ng
RT: 10.15 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BG036496.D
Acq: 31 Aug 2018 2:40

Tgt Ion:122 Resp: 78720
Ion Ratio Lower Upper
122 100
105 117.6 108.1 148.1
77 93.8 76.3 116.3

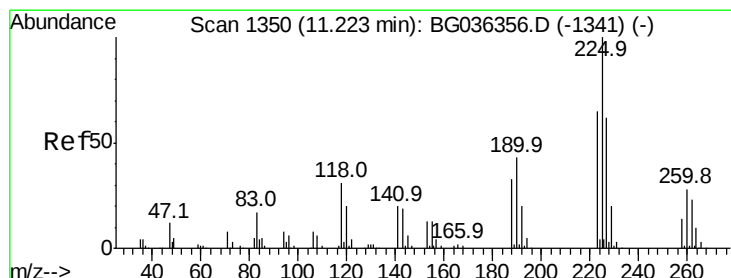
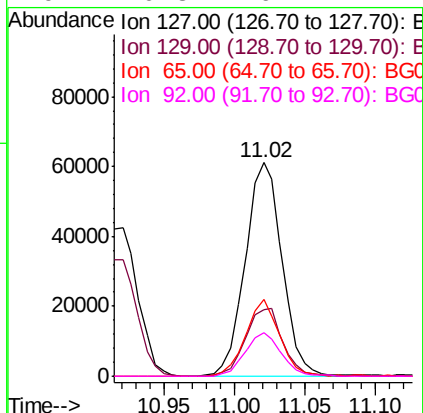
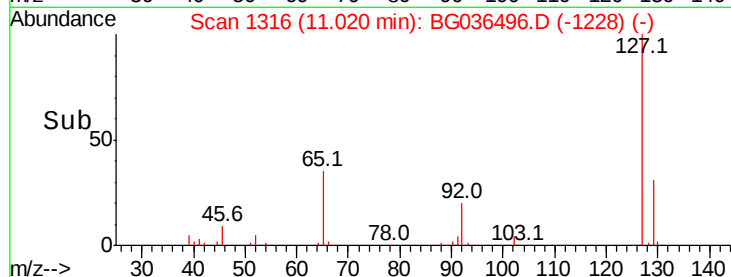
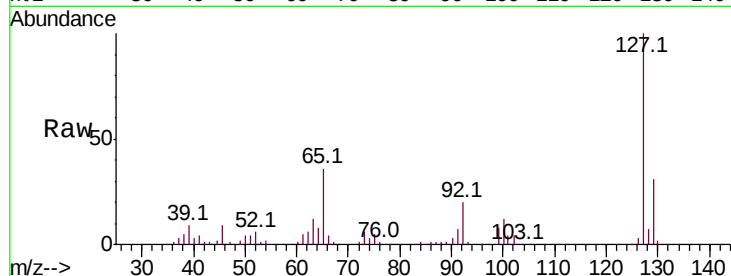




#33
4-Chloroaniline
Concen: 20.030 ng
RT: 11.02 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG036496.D
Acq: 31 Aug 2018 2:40

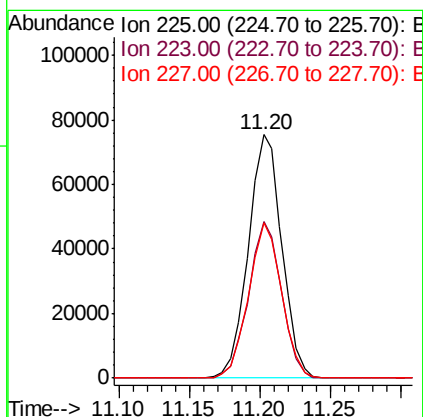
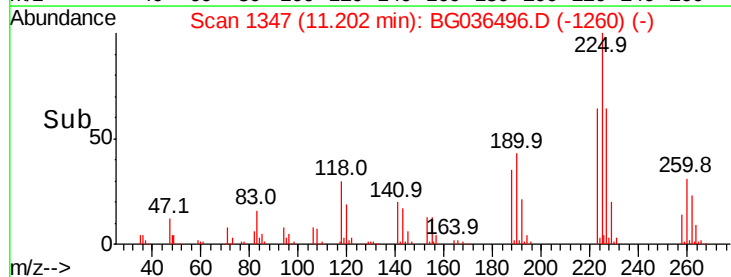
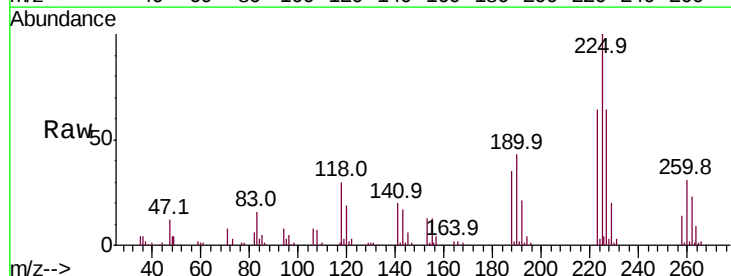
Instrument :
BNA_G
ClientSampleId :
PB112500BS

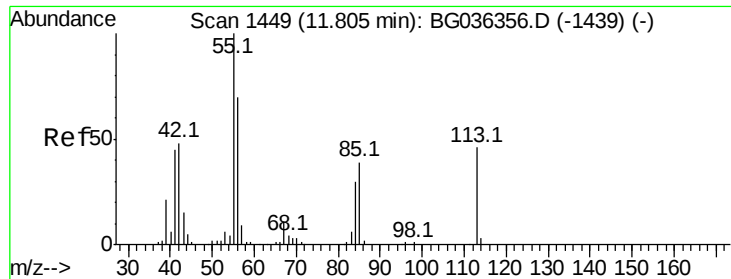
Tot Ion:	127	Resp:	111826
Ion	Ratio	Lower	Upper
127	100		
129	30.9	25.9	38.9
65	35.9	27.5	41.3
92	20.3	16.2	24.2



#34
Hexachlorobutadiene
Concen: 40.927 ng
RT: 11.20 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BG036496.D
Acq: 31 Aug 2018 2:40

Tgt Ion:	225	Resp:	125283
Ion	Ratio	Lower	Upper
225	100		
223	64.1	51.8	77.8
227	64.0	49.8	74.6





#35

Caprolactam

Concen: 46.678 ng

RT: 11.79 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Instrument :

BNA_G

ClientSampleId :

PB112500BS

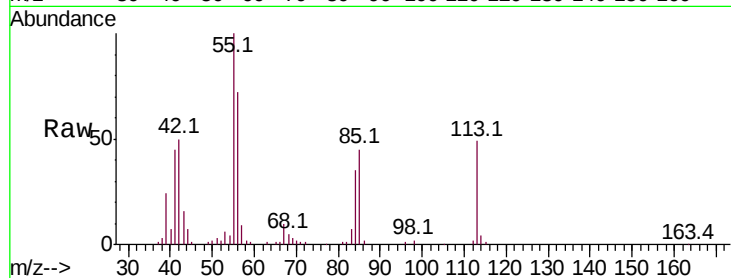
Tot Ion:113 Resp: 72419

Ion Ratio Lower Upper

113 100

55 203.7 197.7 237.7

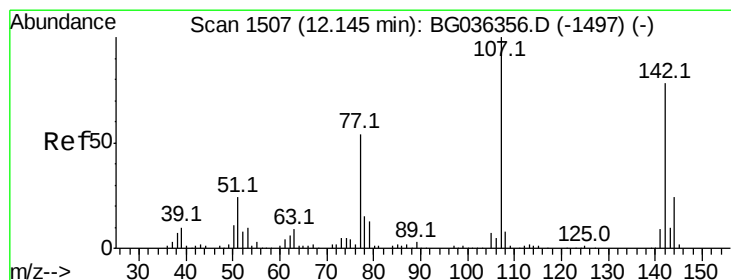
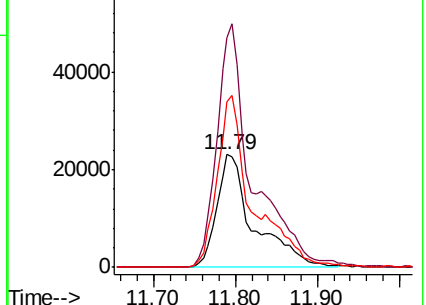
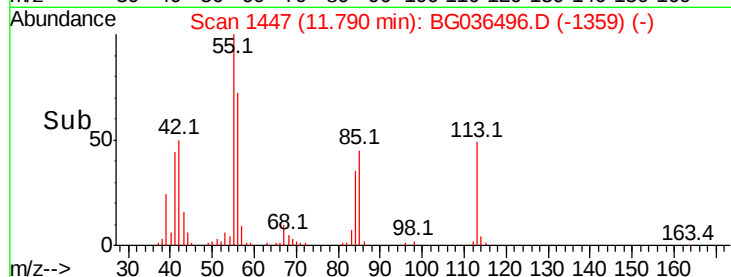
56 146.1 131.7 171.7



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#36

4-Chloro-3-methylphenol

Concen: 48.551 ng

RT: 12.14 min Scan# 1506

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

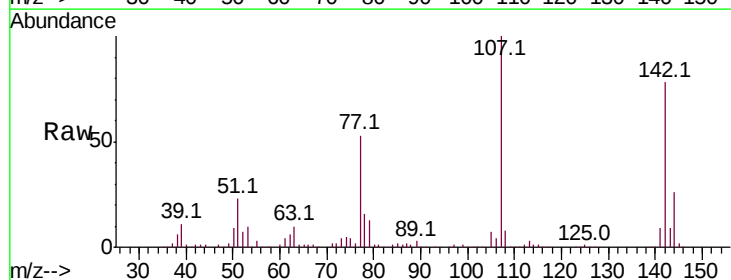
Tgt Ion:107 Resp: 219709

Ion Ratio Lower Upper

107 100

144 25.8 19.5 29.3

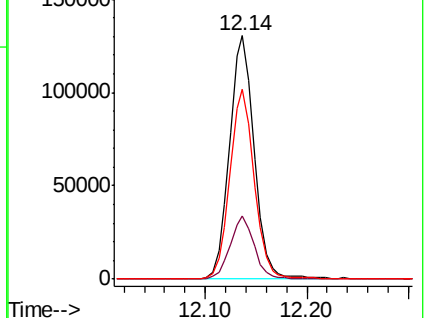
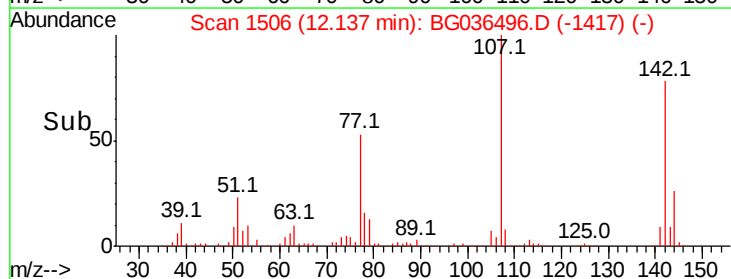
142 78.0 62.4 93.6

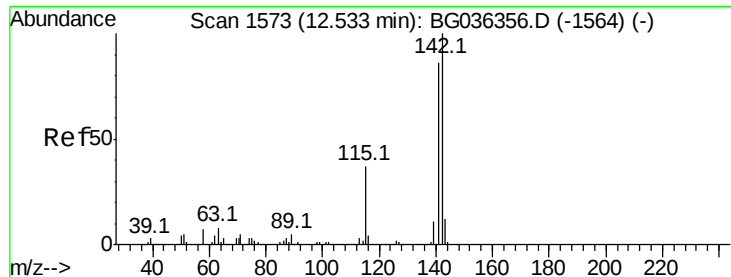


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 48.059 ng

RT: 12.52 min Scan# 1571

Delta R.T. -0.01 min

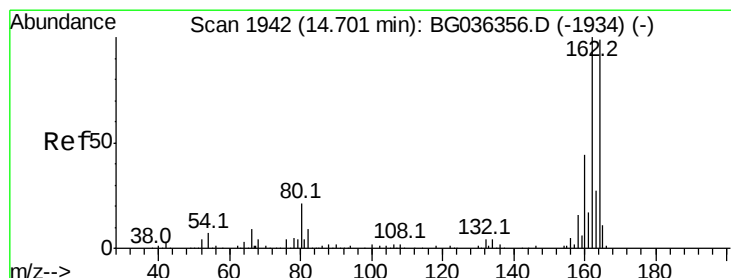
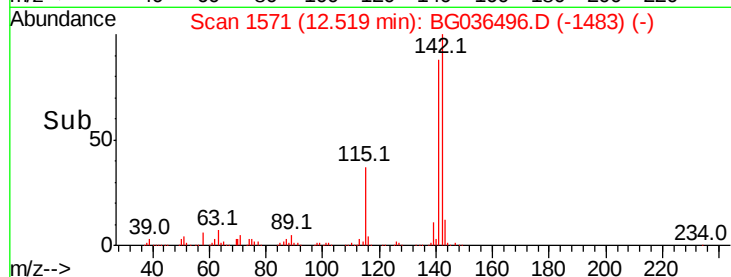
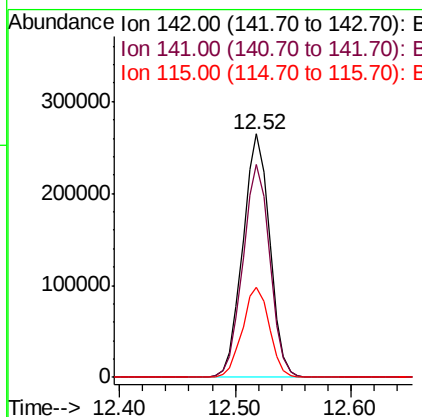
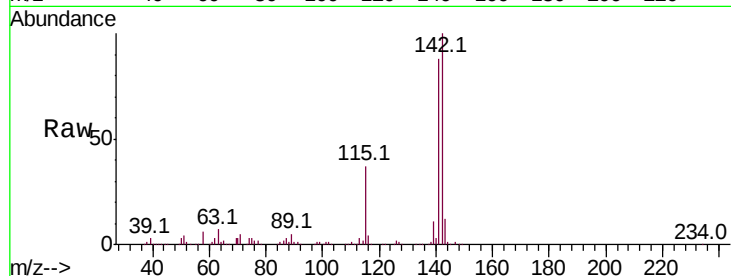
Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Instrument :
BNA_G
ClientSampleId :
PB112500BS

Tot Ion:142 Resp: 428423

Ion	Ratio	Lower	Upper
142	100		
141	87.6	68.5	102.7
115	37.0	29.8	44.8



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1940

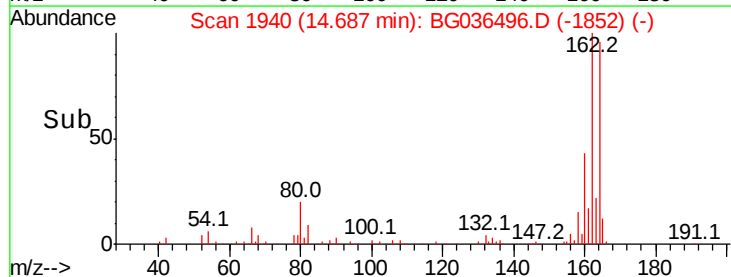
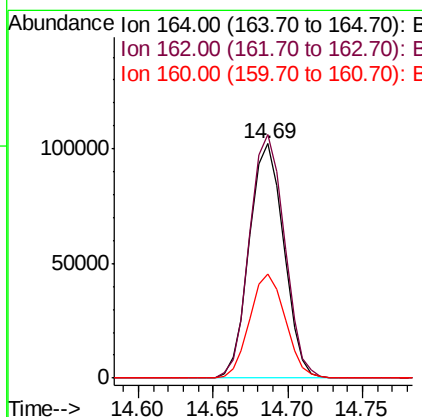
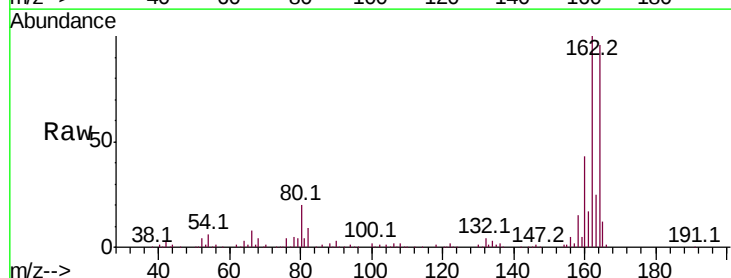
Delta R.T. -0.01 min

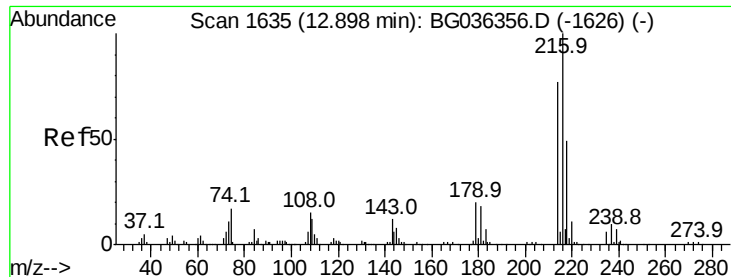
Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Tgt Ion:164 Resp: 163345

Ion	Ratio	Lower	Upper
164	100		
162	103.8	80.7	121.1
160	44.3	35.3	52.9





#39

1,2,4,5-Tetrachlorobenzene

Concen: 42.109 ng

RT: 12.88 min Scan# 1633

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Instrument :

BNA_G

ClientSampleId :

PB112500BS

Tot Ion:216 Resp: 243414

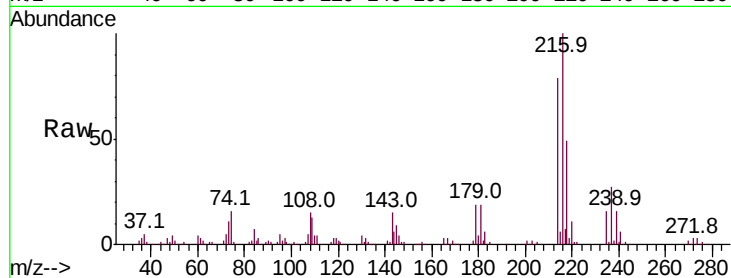
Ion Ratio Lower Upper

216 100

214 77.3 61.0 91.6

179 19.1 15.7 23.5

108 17.7 13.1 19.7

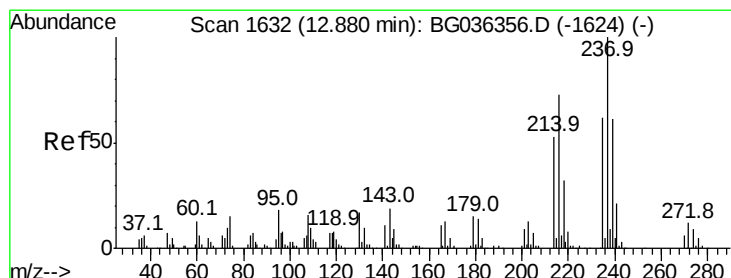
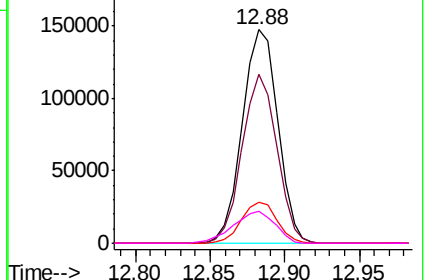
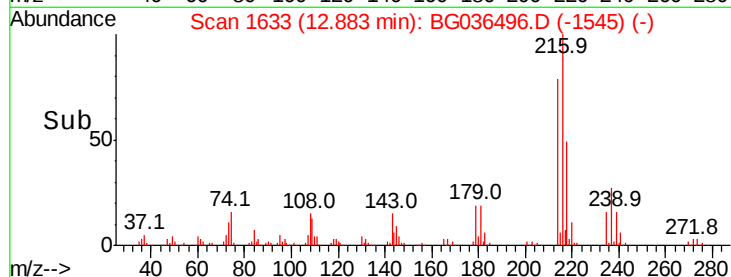


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 97.485 ng

RT: 12.87 min Scan# 1630

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

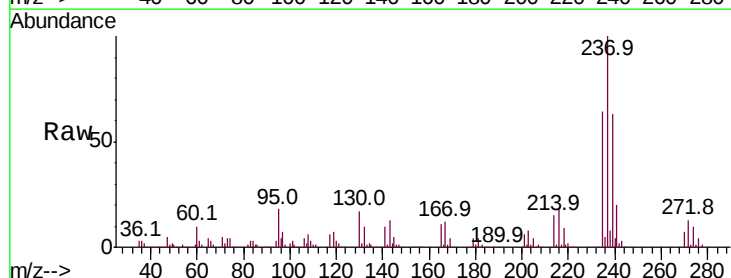
Tgt Ion:237 Resp: 293200

Ion Ratio Lower Upper

237 100

235 63.6 42.2 82.2

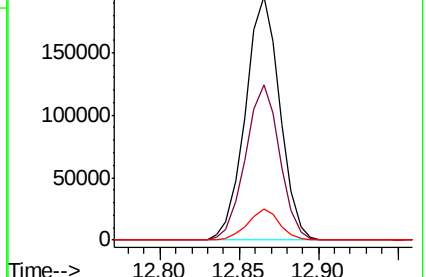
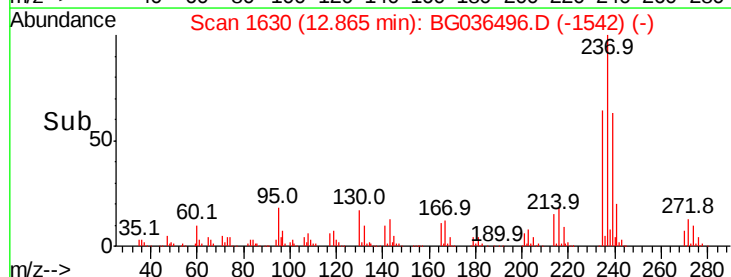
272 12.9 0.0 32.1

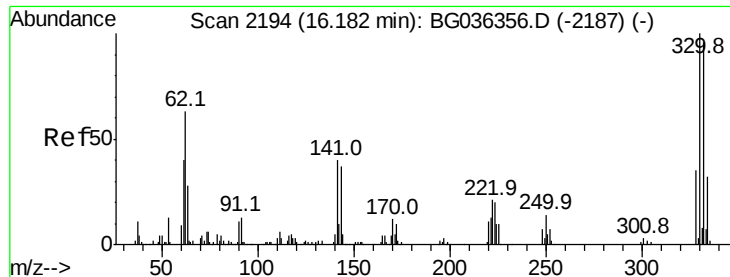


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

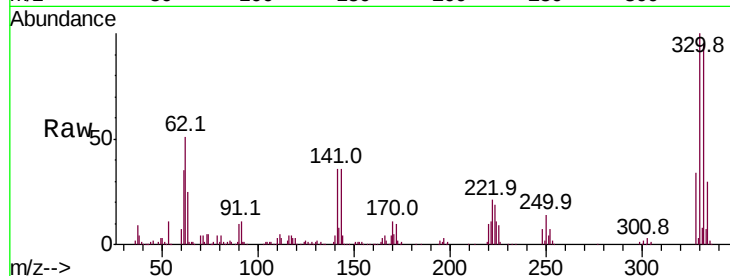




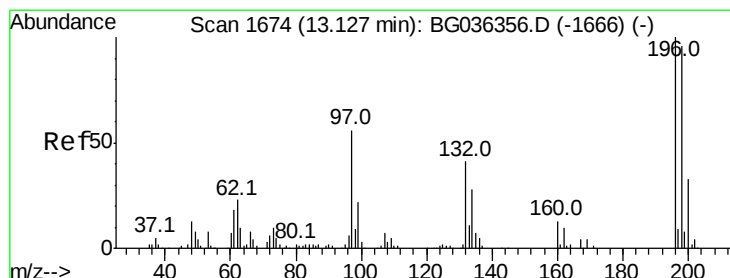
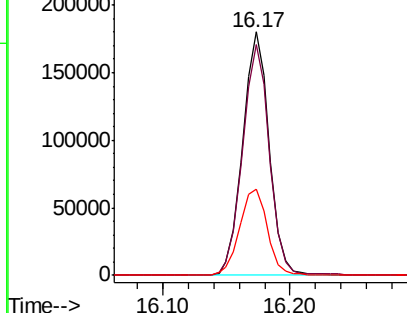
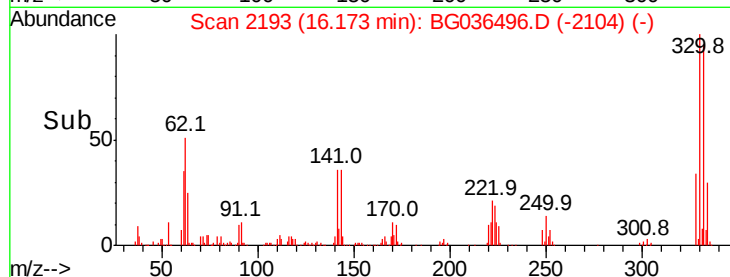
#41
 2,4,6-Tribromophenol
 Concen: 134.119 ng
 RT: 16.17 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BG036496.D
 Acq: 31 Aug 2018 2:40

Instrument :
 BNA_G
 ClientSampleId :
 PB112500BS

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	75.4	113.2
141	37.2	30.7	46.1

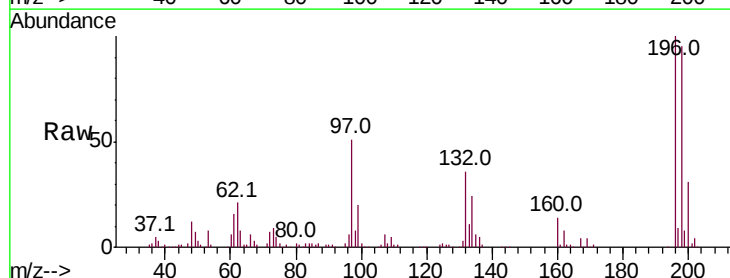


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

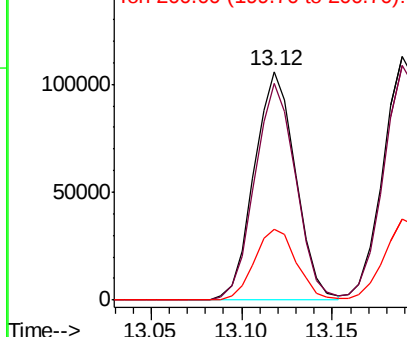
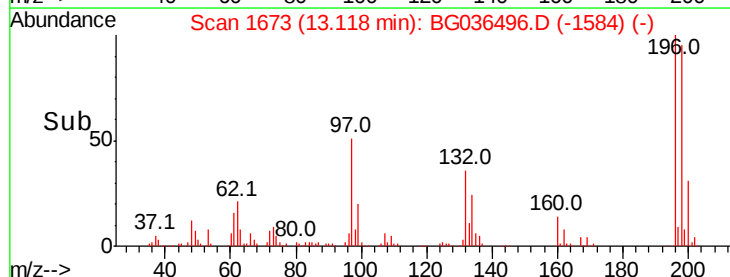


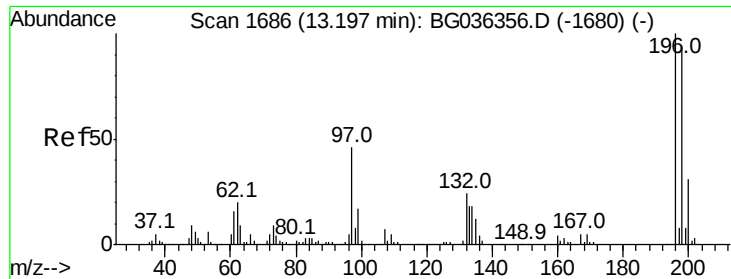
#42
 2,4,6-Trichlorophenol
 Concen: 47.616 ng
 RT: 13.12 min Scan# 1673
 Delta R.T. -0.01 min
 Lab File: BG036496.D
 Acq: 31 Aug 2018 2:40

Tgt Ion	Ratio	Lower	Upper
196	100		
198	94.8	77.2	115.8
200	31.3	26.3	39.5



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

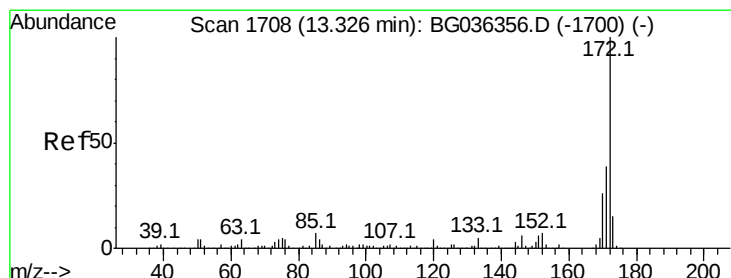
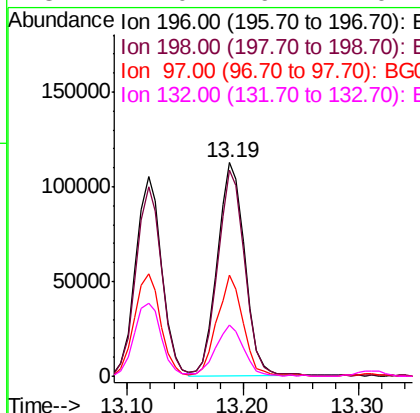
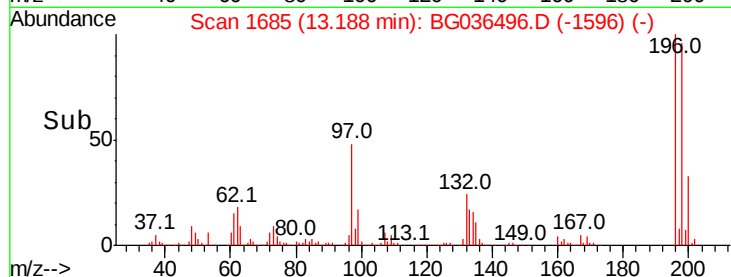
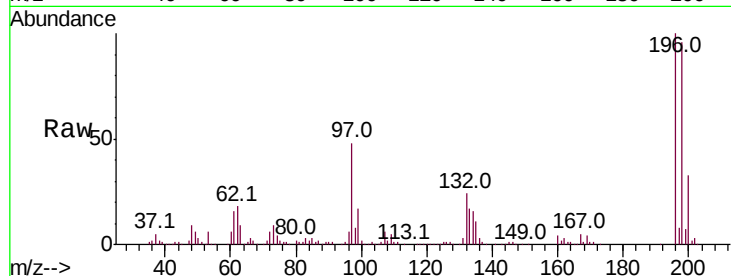




#43
 2,4,5-Trichlorophenol
 Concen: 49.215 ng
 RT: 13.19 min Scan# 1685
 Delta R.T. -0.01 min
 Lab File: BG036496.D
 Acq: 31 Aug 2018 2:40

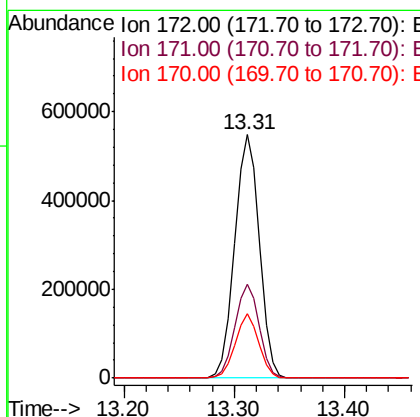
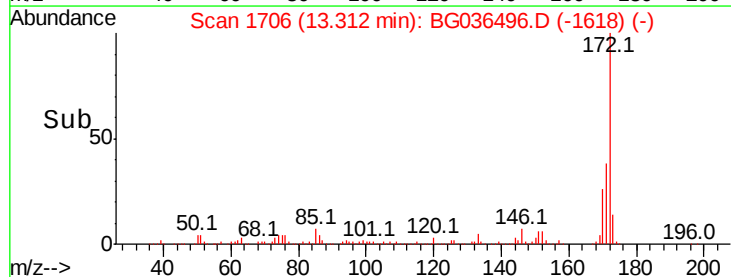
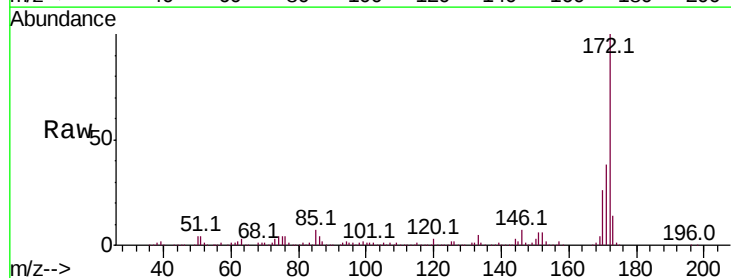
Instrument :
 BNA_G
 ClientSampleId :
 PB112500BS

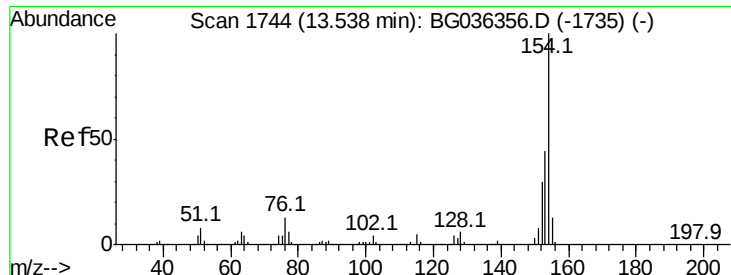
Tot Ion:	196	Resp:	184843
Ion	Ratio	Lower	Upper
196	100		
198	96.3	75.6	113.4
97	47.7	37.2	55.8
132	24.0	19.4	29.2



#44
 2-Fluorobiphenyl
 Concen: 75.022 ng
 RT: 13.31 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: BG036496.D
 Acq: 31 Aug 2018 2:40

Tgt Ion:	172	Resp:	858267
Ion	Ratio	Lower	Upper
172	100		
171	38.5	31.3	46.9
170	26.3	21.0	31.6

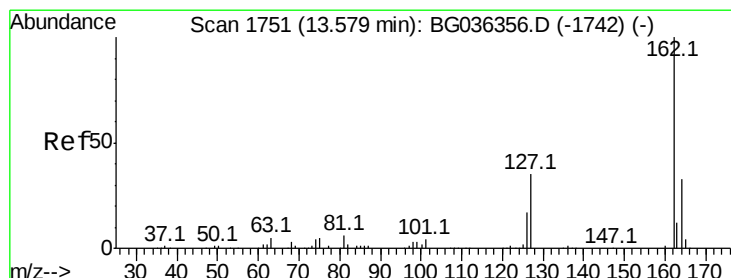
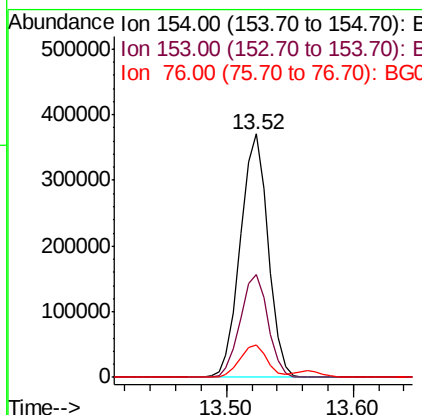
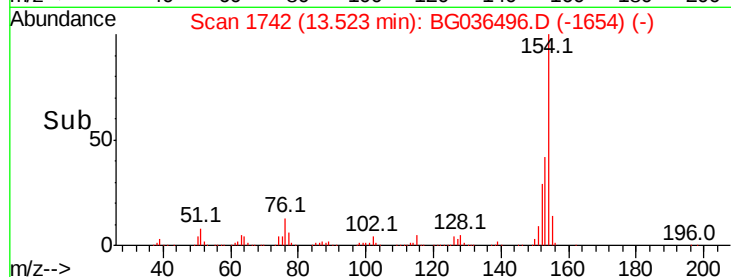
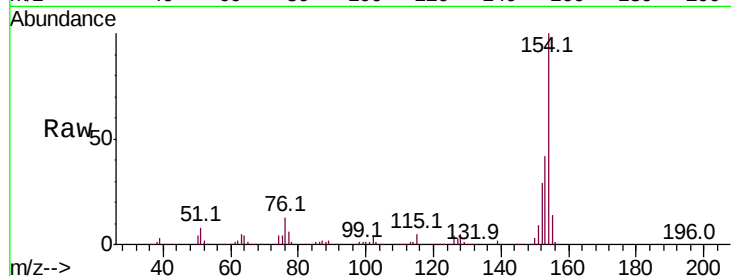




#45
 1,1'-Biphenyl
 Concen: 41.356 ng
 RT: 13.52 min Scan# 1742
 Delta R.T. -0.01 min
 Lab File: BG036496.D
 Acq: 31 Aug 2018 2:40

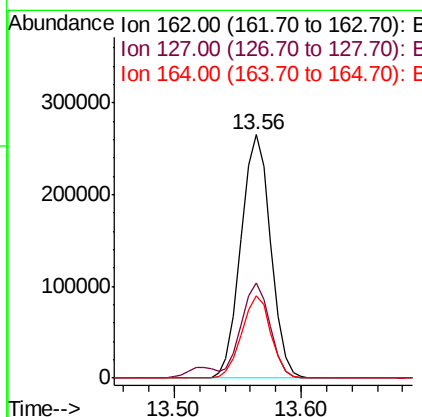
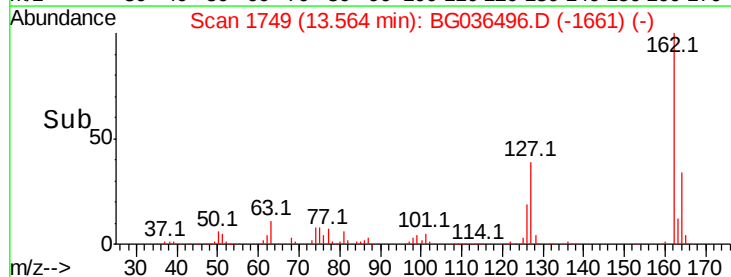
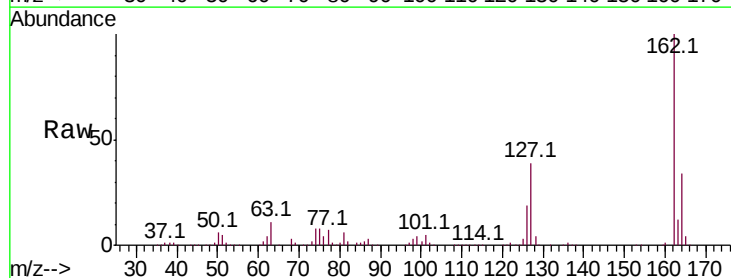
Instrument :
 BNA_G
 ClientSampleId :
 PB112500BS

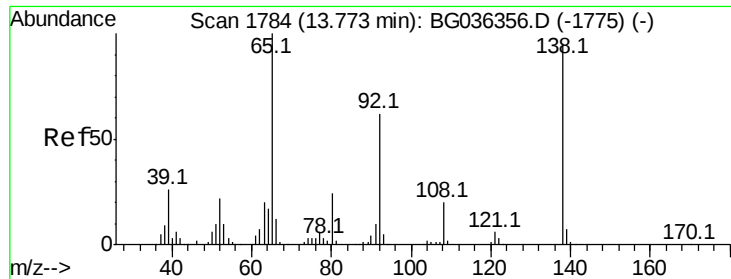
Tot Ion:	154	Resp:	560748
Ion	Ratio	Lower	Upper
154	100		
153	42.5	24.0	64.0
76	13.2	0.0	32.9



#46
 2-Chloronaphthalene
 Concen: 41.670 ng
 RT: 13.56 min Scan# 1749
 Delta R.T. -0.01 min
 Lab File: BG036496.D
 Acq: 31 Aug 2018 2:40

Tgt Ion:	162	Resp:	431327
Ion	Ratio	Lower	Upper
162	100		
127	38.9	30.7	46.1
164	33.8	26.7	40.1

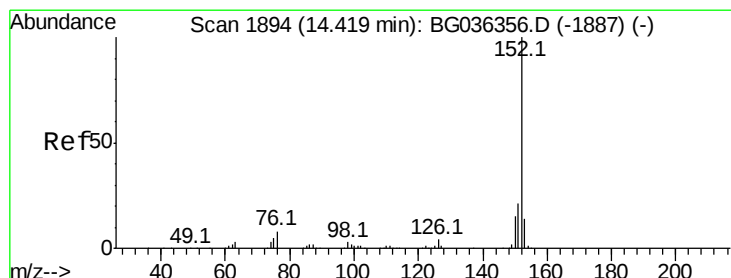
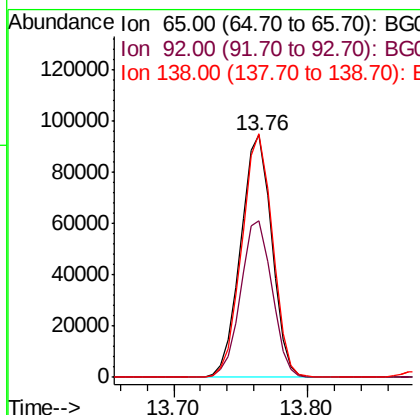
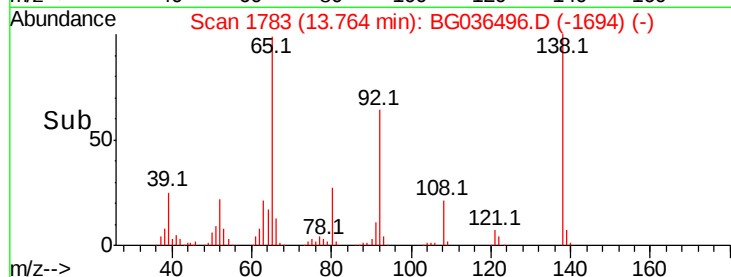
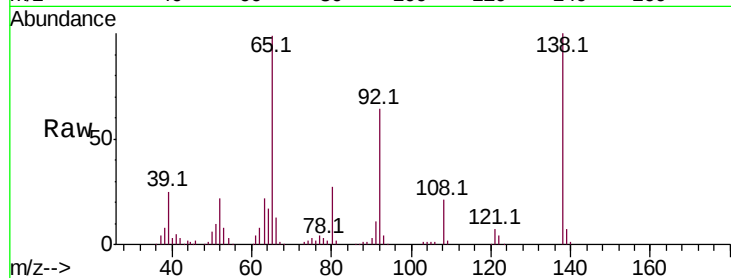




#47
2-Nitroaniline
Concen: 46.841 ng
RT: 13.76 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BG036496.D
Acq: 31 Aug 2018 2:40

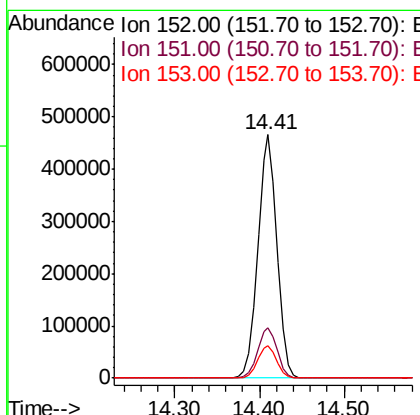
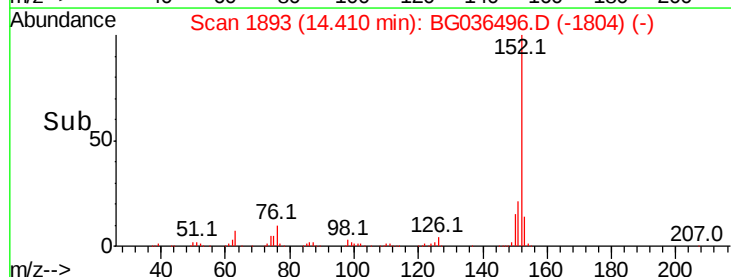
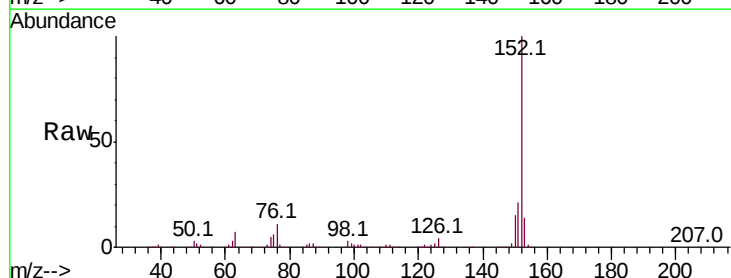
Instrument :
BNA_G
ClientSampleId :
PB112500BS

Tot Ion: 65 Resp: 152255
Ion Ratio Lower Upper
65 100
92 64.8 49.9 74.9
138 100.7 76.2 114.4



#48
Acenaphthylene
Concen: 45.560 ng
RT: 14.41 min Scan# 1893
Delta R.T. -0.01 min
Lab File: BG036496.D
Acq: 31 Aug 2018 2:40

Tgt Ion: 152 Resp: 737034
Ion Ratio Lower Upper
152 100
151 20.7 16.9 25.3
153 13.5 11.2 16.8





#49

Dimethylphthalate

Concen: 44.291 ng

RT: 14.14 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Instrument :

BNA_G

ClientSampled :

PB112500BS

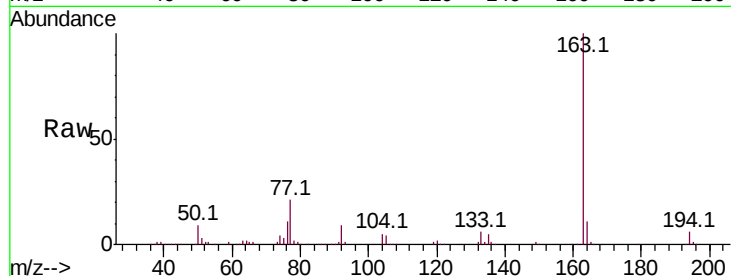
Tot Ion:163 Resp: 590756

Ion Ratio Lower Upper

163 100

194 5.6 4.0 6.0

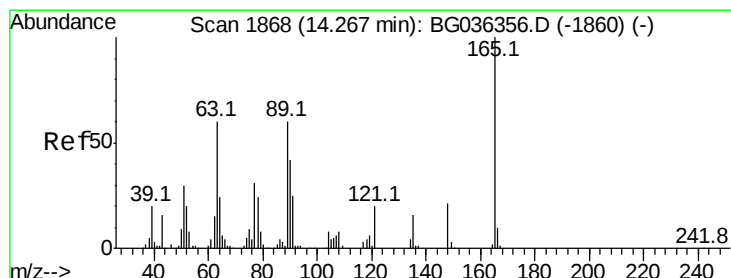
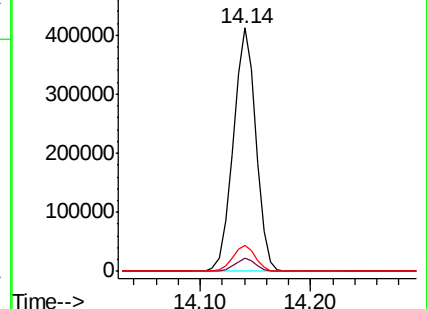
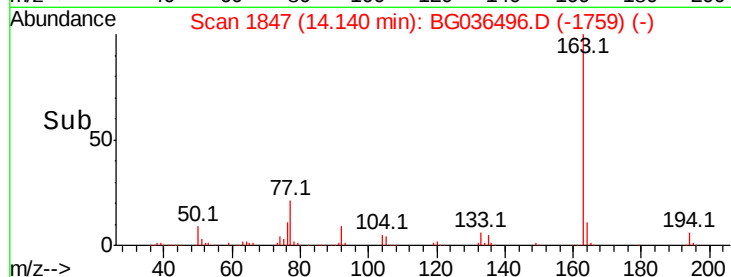
164 10.7 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 47.037 ng

RT: 14.26 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

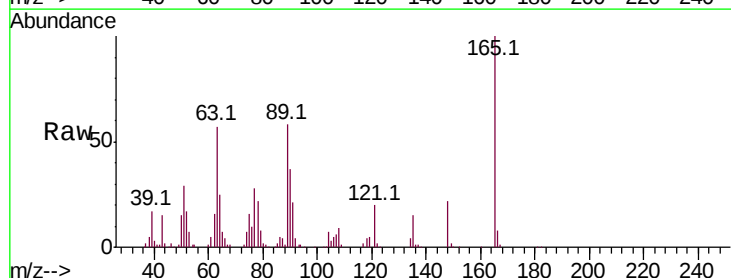
Tgt Ion:165 Resp: 129099

Ion Ratio Lower Upper

165 100

63 57.4 50.1 75.1

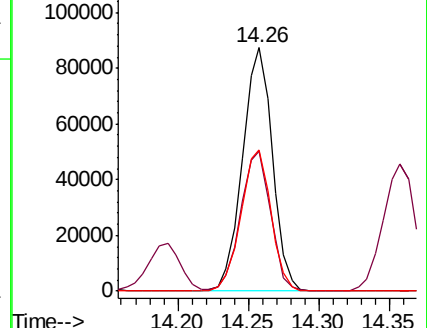
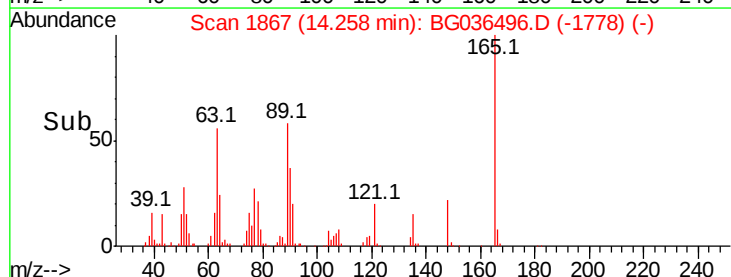
89 57.9 47.8 71.6

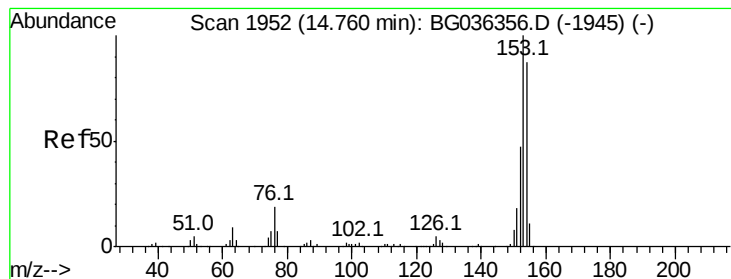


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 42.922 ng

RT: 14.75 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Instrument :

BNA_G

ClientSampleId :

PB112500BS

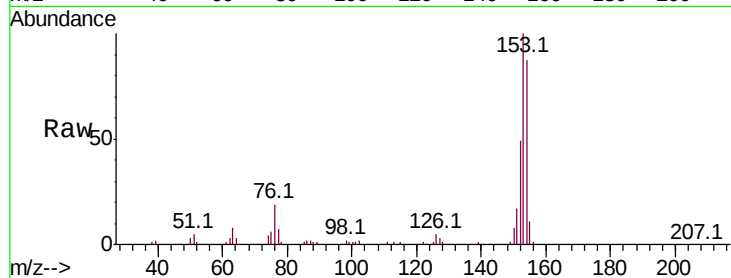
Tot Ion:154 Resp: 444697

Ion Ratio Lower Upper

154 100

153 115.1 91.8 137.6

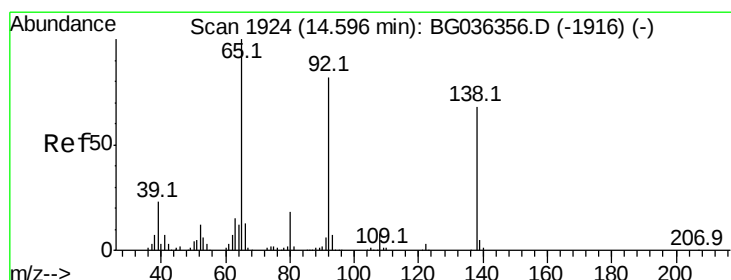
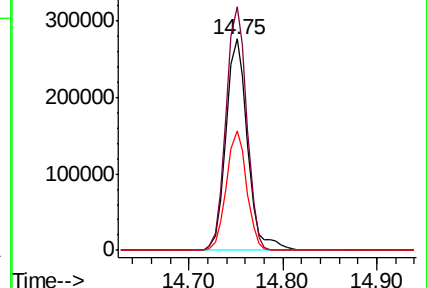
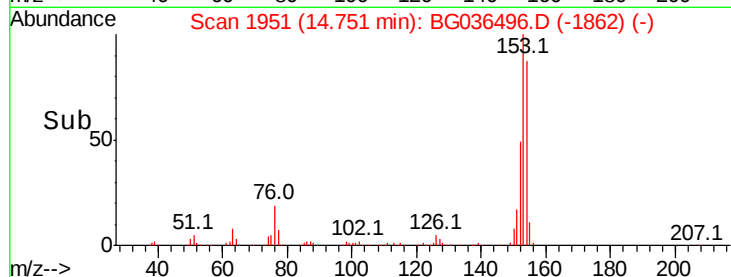
152 56.6 43.5 65.3



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



#52

3-Nitroaniline

Concen: 32.121 ng

RT: 14.59 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

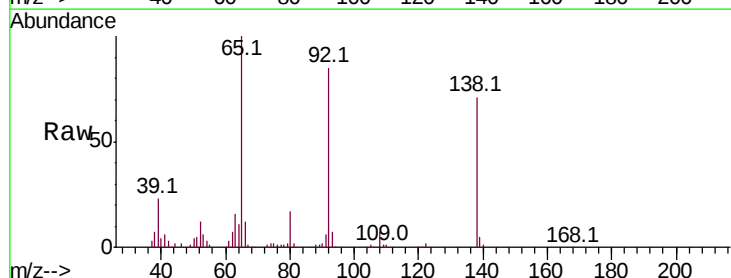
Tgt Ion:138 Resp: 95002

Ion Ratio Lower Upper

138 100

108 10.4 9.4 14.2

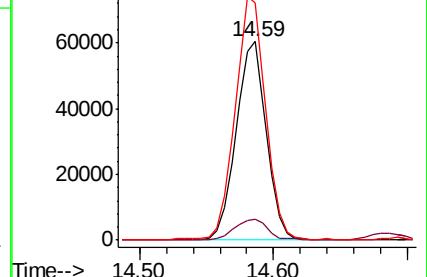
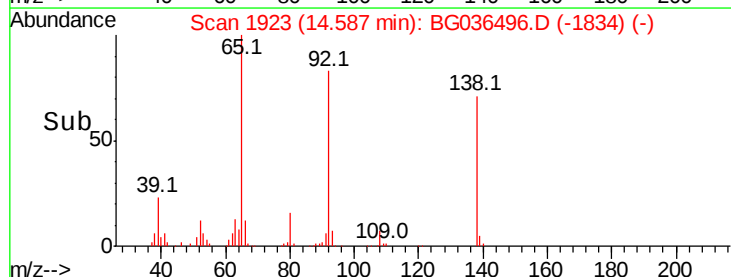
92 119.3 96.8 145.2

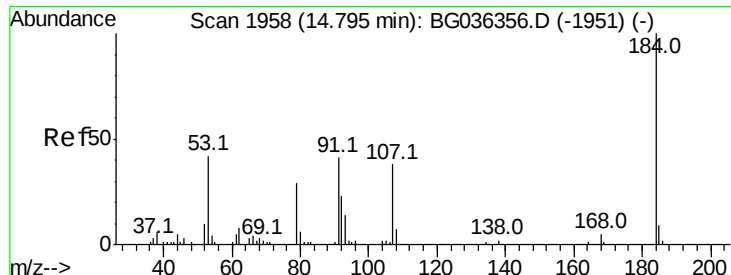


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

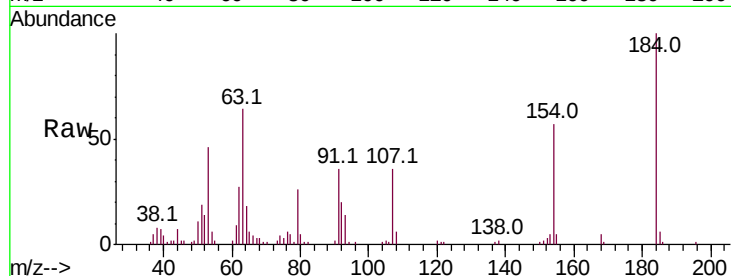




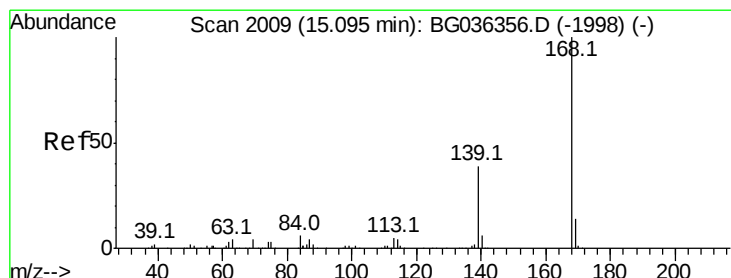
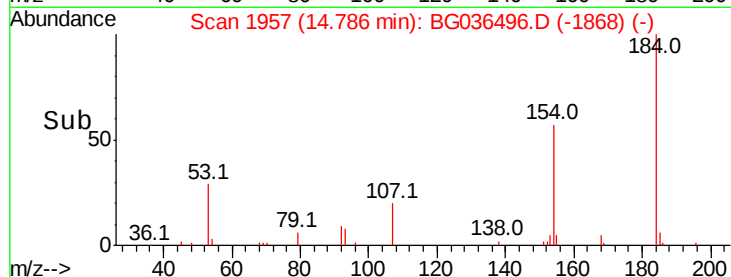
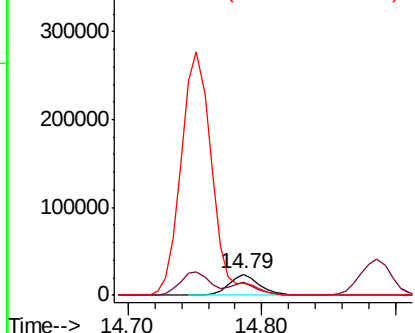
#53
 2,4-Dinitrophenol
 Concen: 37.085 ng
 RT: 14.79 min Scan# 1957
 Delta R.T. -0.01 min
 Lab File: BG036496.D
 Acq: 31 Aug 2018 2:40

Instrument :
 BNA_G
 ClientSampleId :
 PB112500BS

Tot Ion:184 Resp: 38553
 Ion Ratio Lower Upper
 184 100
 63 64.2 47.3 70.9
 154 56.7 51.1 76.7

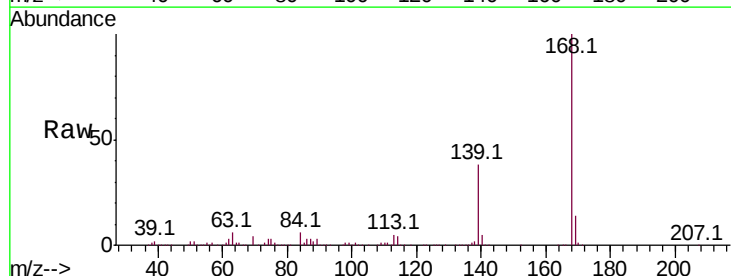


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

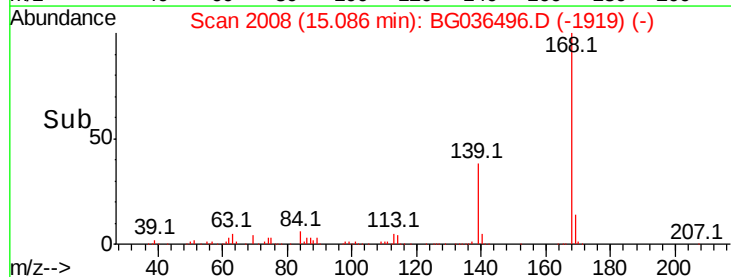
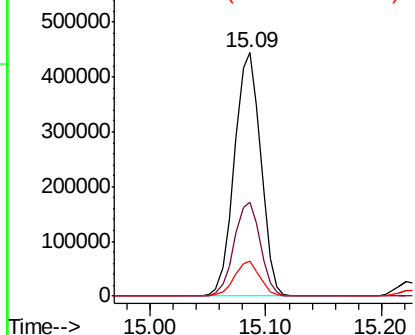


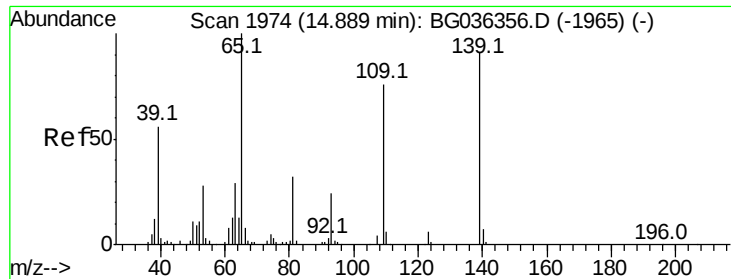
#54
 Dibenzofuran
 Concen: 43.261 ng
 RT: 15.09 min Scan# 2008
 Delta R.T. -0.01 min
 Lab File: BG036496.D
 Acq: 31 Aug 2018 2:40

Tgt Ion:168 Resp: 702186
 Ion Ratio Lower Upper
 168 100
 139 38.3 31.0 46.6
 169 14.2 11.1 16.7



Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 88.184 ng

RT: 14.89 min Scan# 1974

Delta R.T. -0.00 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Instrument :

BNA_G

ClientSampleId :

PB112500BS

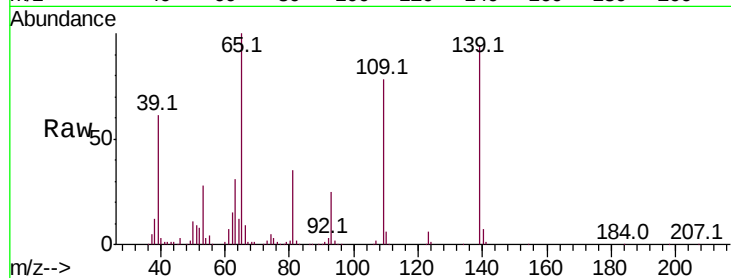
Tot Ion:139 Resp: 213253

Ion Ratio Lower Upper

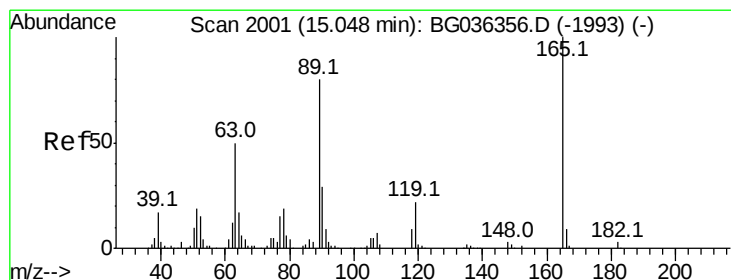
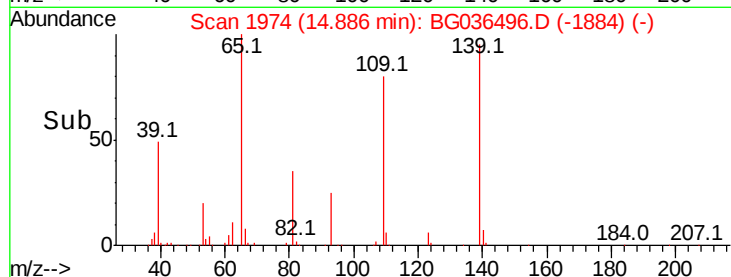
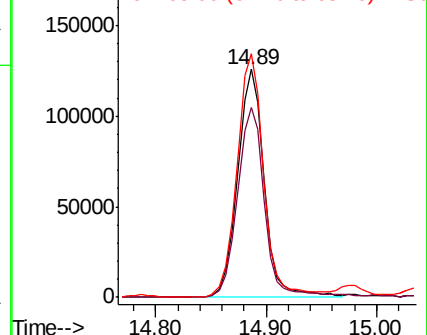
139 100

109 83.3 63.9 103.9

65 106.8 90.0 130.0



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC



#56

2,4-Dinitrotoluene

Concen: 50.825 ng

RT: 15.04 min Scan# 2001

Delta R.T. -0.00 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Tgt Ion:165 Resp: 181803

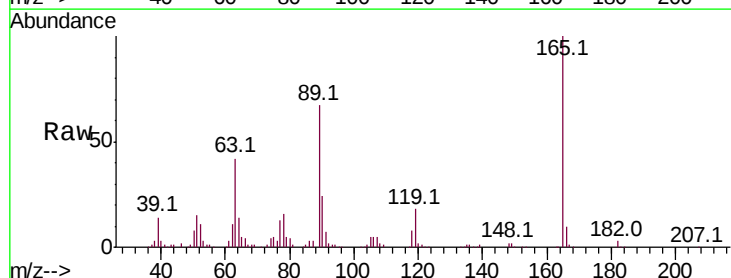
Ion Ratio Lower Upper

165 100

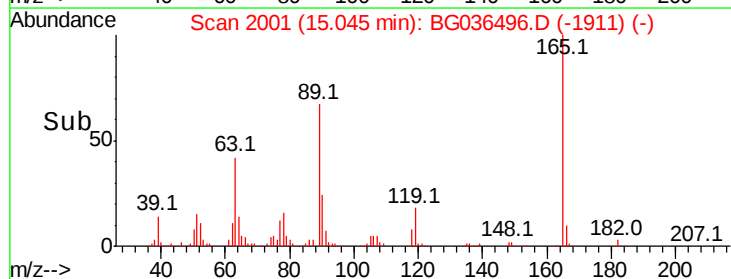
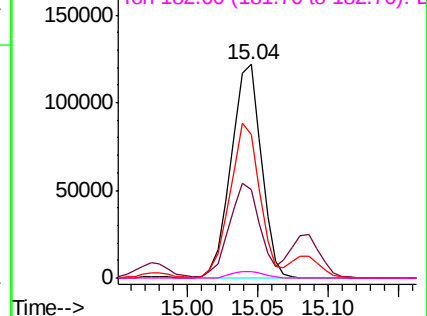
63 41.5 40.1 60.1

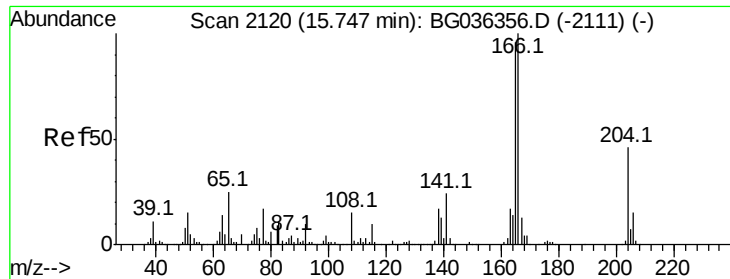
89 67.1 63.7 95.5

182 3.0 2.5 3.7



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 46.853 ng

RT: 15.73 min Scan# 2118

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Instrument :

BNA_G

ClientSampleId :

PB112500BS

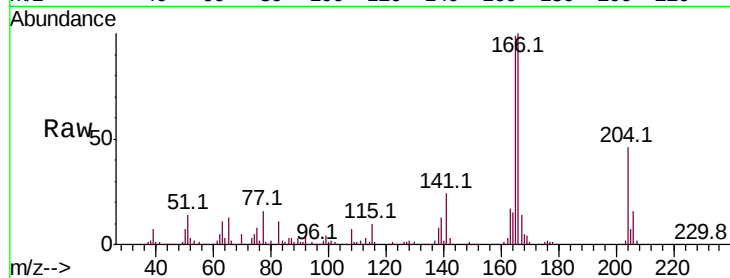
Tot Ion:166 Resp: 568517

Ion Ratio Lower Upper

166 100

165 99.2 77.0 115.4

167 14.2 10.6 16.0

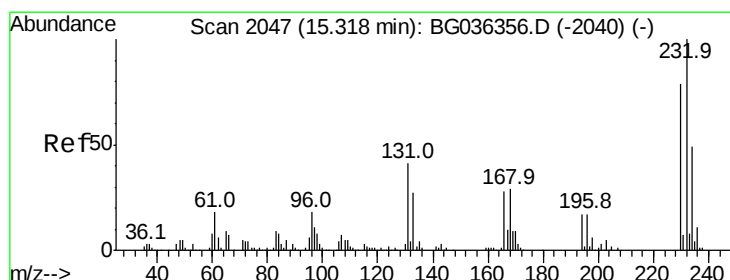
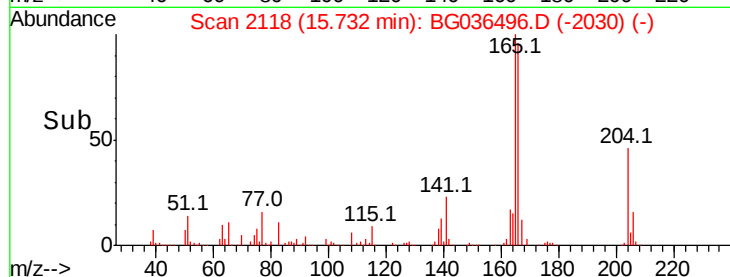
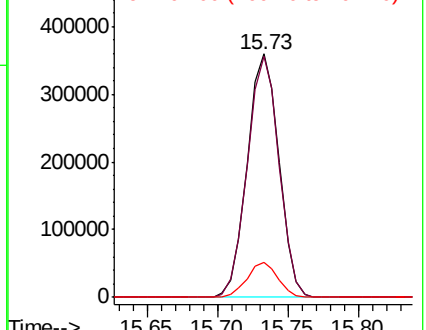


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 52.139 ng

RT: 15.30 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Tgt Ion:232 Resp: 183983

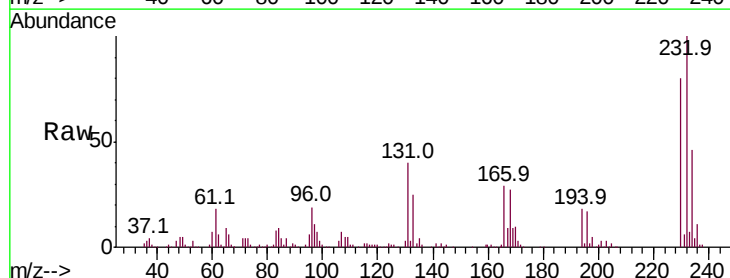
Ion Ratio Lower Upper

232 100

131 38.5 33.8 50.8

130 2.4 2.1 3.1

166 28.0 22.3 33.5



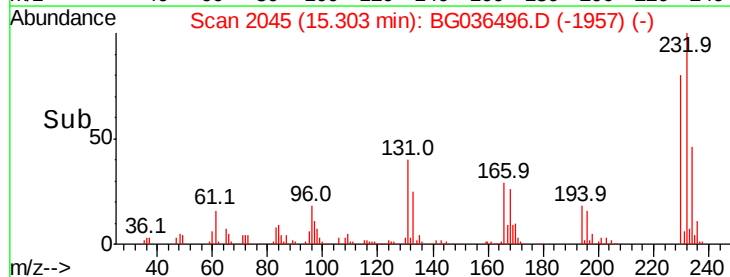
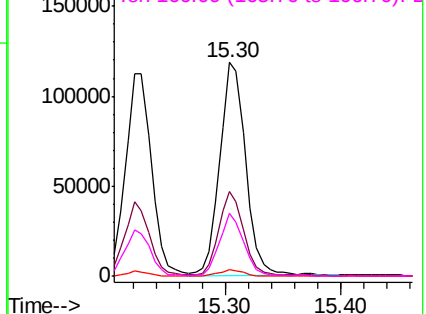
Abundance

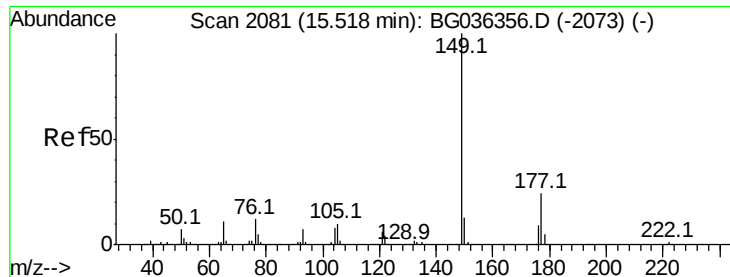
Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

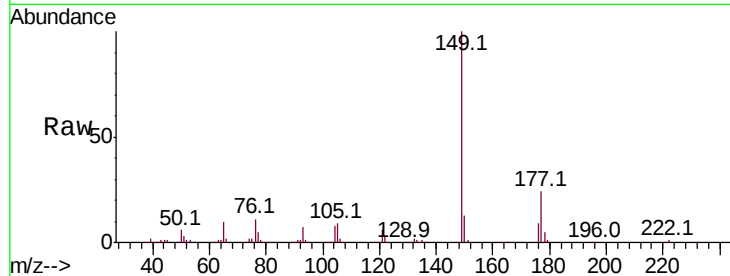




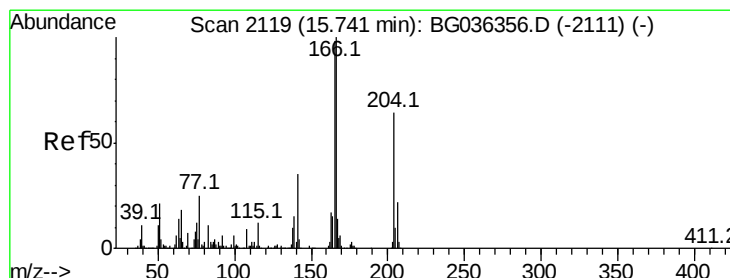
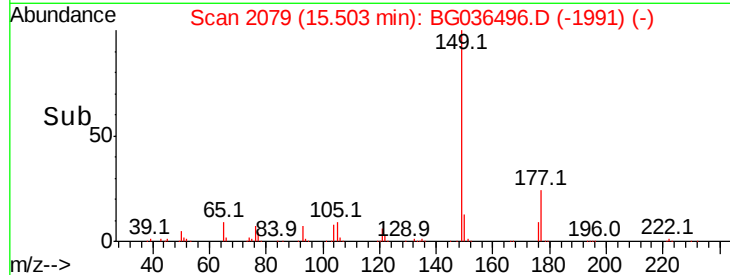
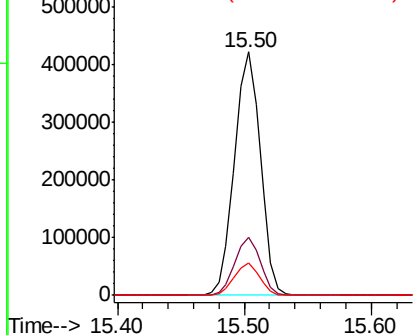
#59
Diethylphthalate
Concen: 44.067 ng
RT: 15.50 min Scan# 2079
Delta R.T. -0.01 min
Lab File: BG036496.D
Acq: 31 Aug 2018 2:40

Instrument :
BNA_G
ClientSampled :
PB112500BS

Tot Ion:149 Resp: 592346
Ion Ratio Lower Upper
149 100
177 24.1 19.1 28.7
150 13.3 10.7 16.1

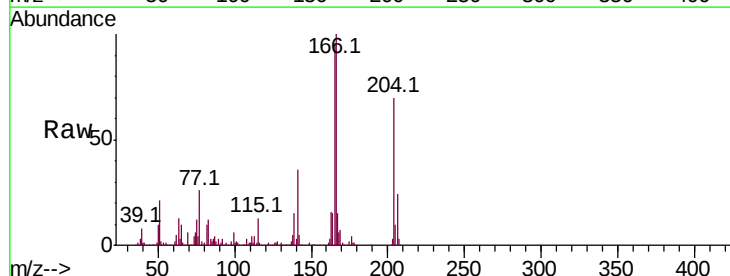


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

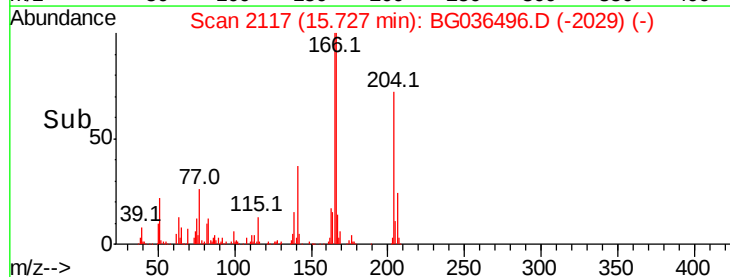
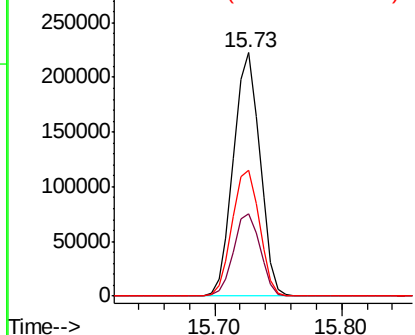


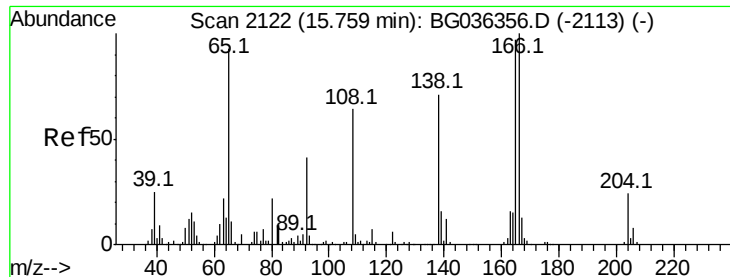
#60
4-Chlorophenyl-phenylether
Concen: 42.946 ng
RT: 15.73 min Scan# 2117
Delta R.T. -0.01 min
Lab File: BG036496.D
Acq: 31 Aug 2018 2:40

Tgt Ion:204 Resp: 321780
Ion Ratio Lower Upper
204 100
206 33.8 27.0 40.4
141 51.7 43.8 65.6



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 48.380 ng

RT: 15.75 min Scan# 2121

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Instrument :

BNA_G

ClientSampleId :

PB112500BS

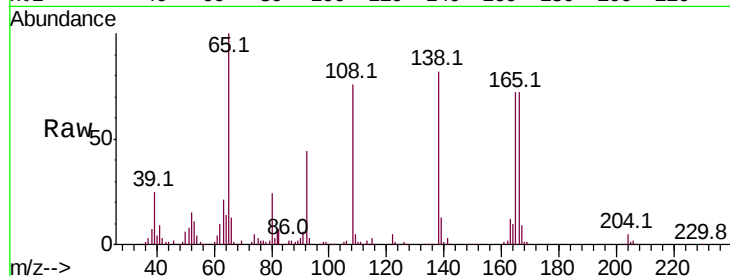
Tot Ion:138 Resp: 149736

Ion Ratio Lower Upper

138 100

92 54.1 38.5 78.5

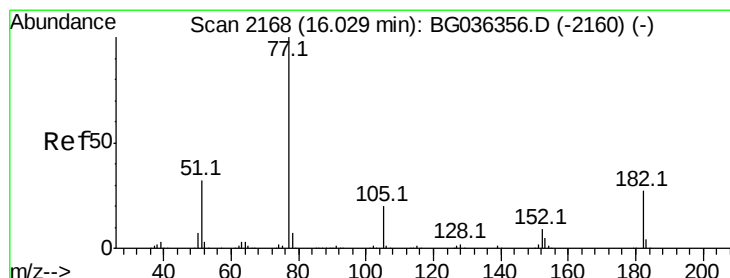
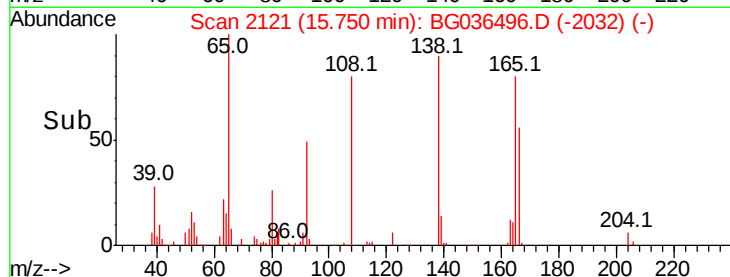
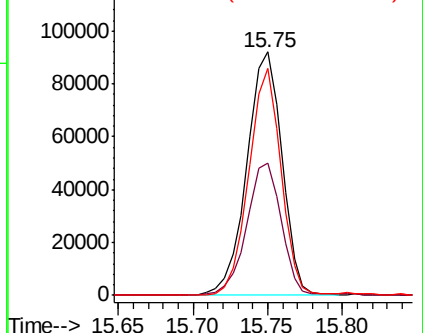
108 93.4 70.3 110.3



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 42.635 ng

RT: 16.02 min Scan# 2167

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Tgt Ion: 77 Resp: 583104

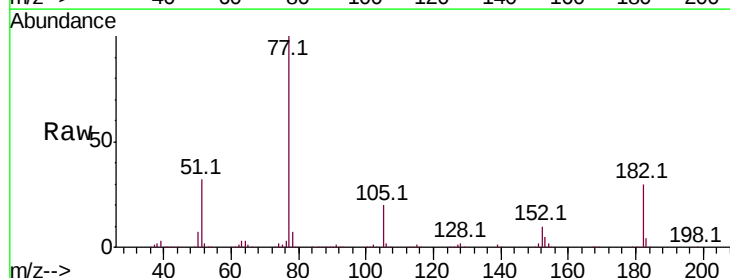
Ion Ratio Lower Upper

77 100

182 30.0 6.7 46.7

105 20.2 0.0 39.8

51 31.9 12.4 52.4

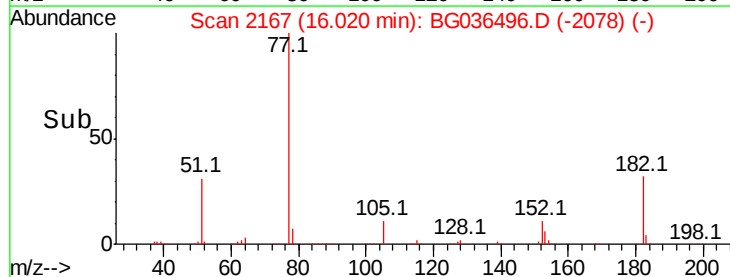
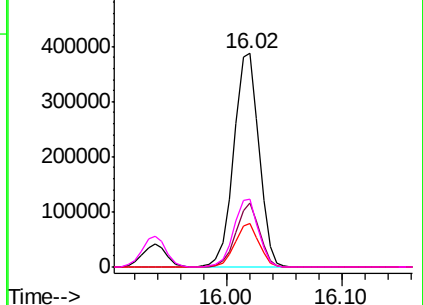


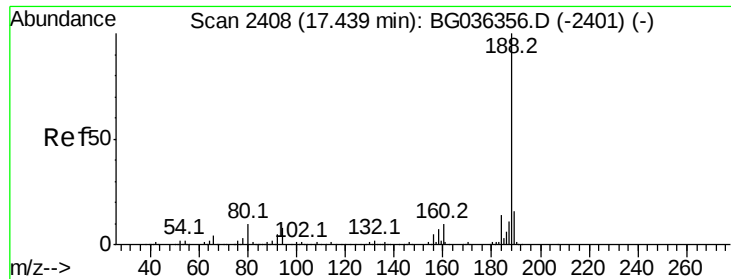
Abundance Ion 77.00 (76.70 to 77.70): BG

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BG





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2407

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Instrument :

BNA_G

ClientSampleId :

PB112500BS

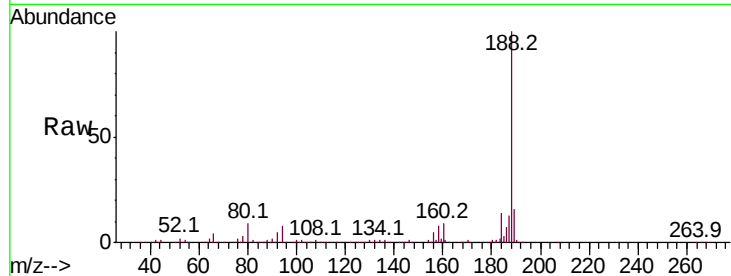
Tot Ion:188 Resp: 431548

Ion Ratio Lower Upper

188 100

94 8.3 6.7 10.1

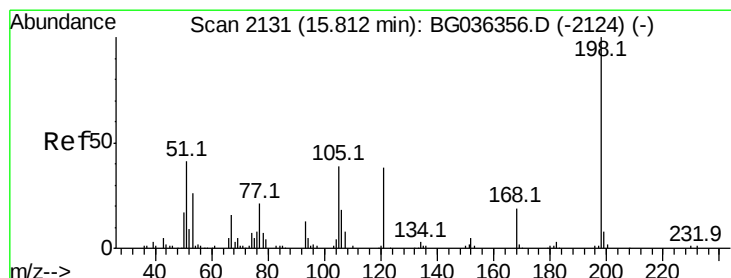
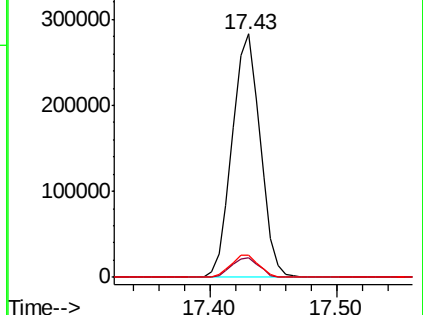
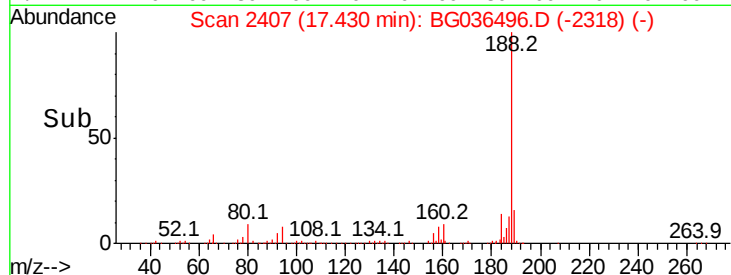
80 9.2 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#64

4,6-Dinitro-2-methylphenol

Concen: 25.784 ng

RT: 15.80 min Scan# 2130

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

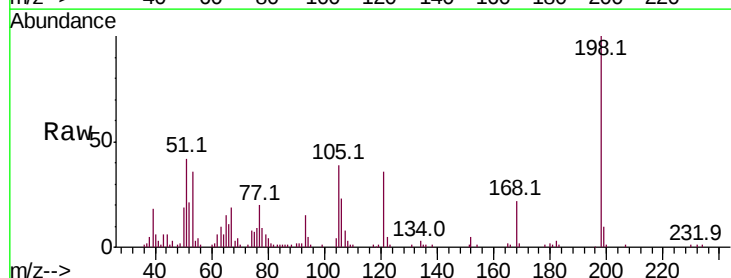
Tgt Ion:198 Resp: 48879

Ion Ratio Lower Upper

198 100

51 41.7 26.5 66.5

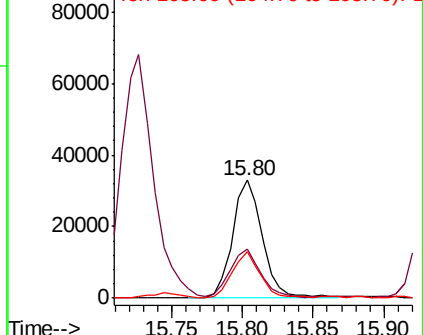
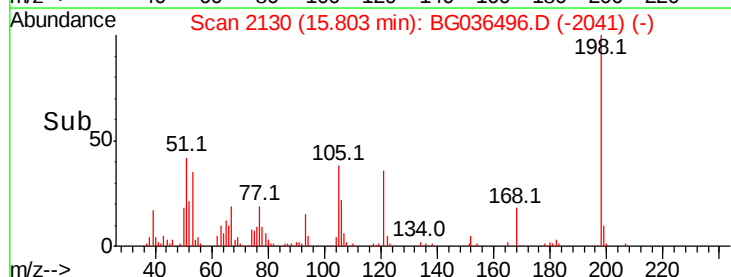
105 39.0 20.2 60.2

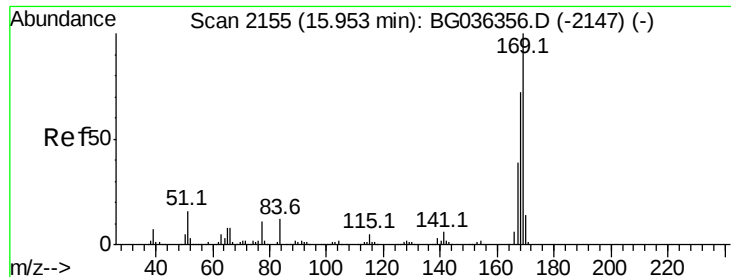


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 41.250 ng

RT: 15.94 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Instrument :

BNA_G

ClientSampleId :

PB112500BS

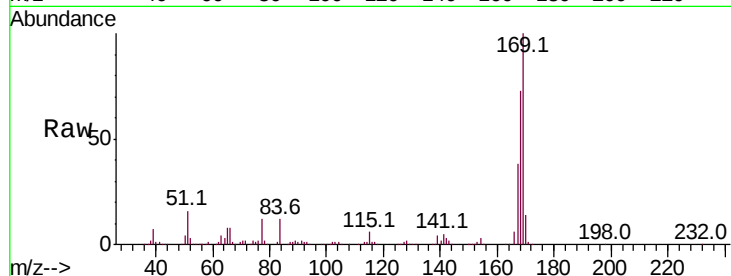
Tot Ion:169 Resp: 528940

Ion Ratio Lower Upper

169 100

168 72.6 57.6 86.4

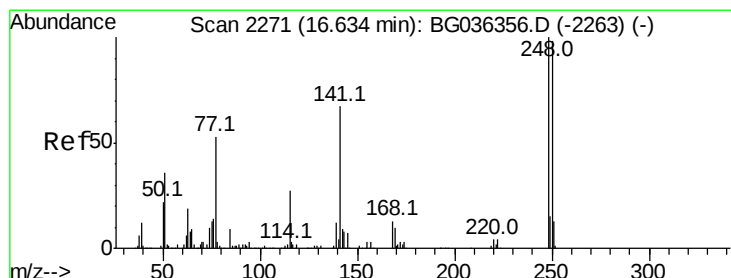
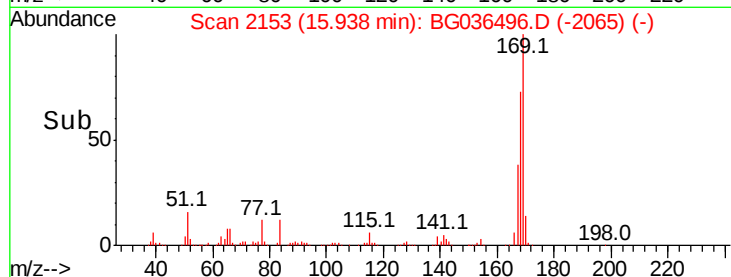
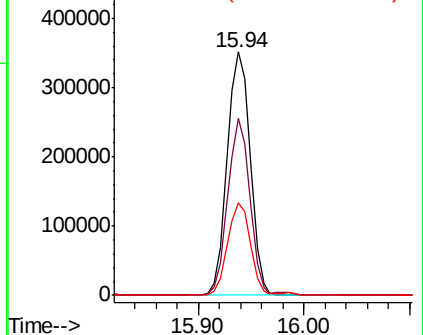
167 38.0 31.0 46.4



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



#66

4-Bromophenyl-phenylether

Concen: 42.765 ng

RT: 16.62 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

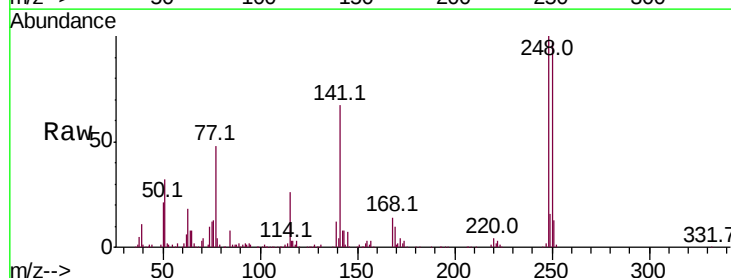
Tgt Ion:248 Resp: 216073

Ion Ratio Lower Upper

248 100

250 97.0 78.1 117.1

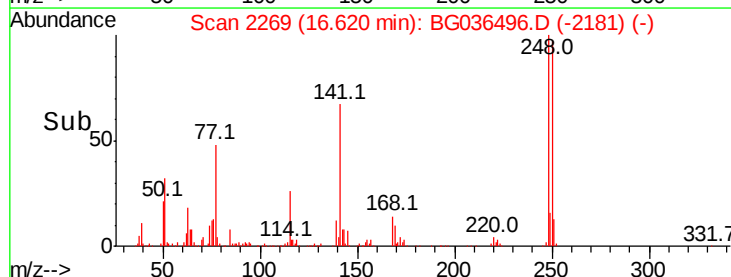
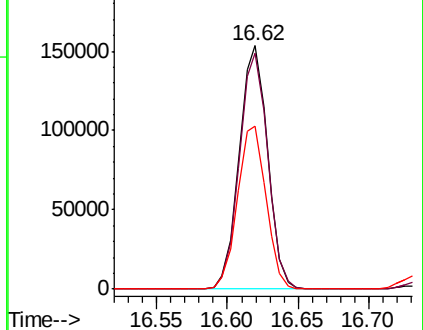
141 66.9 53.7 80.5



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

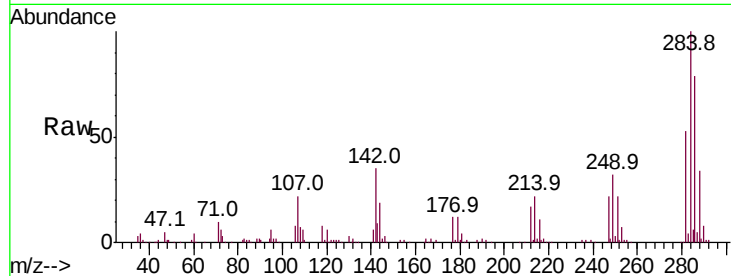




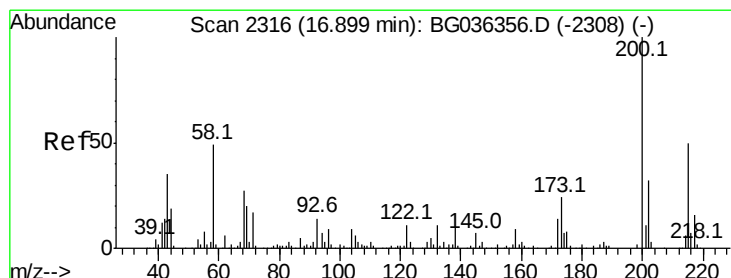
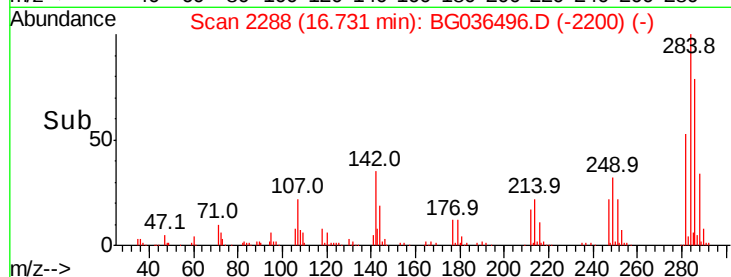
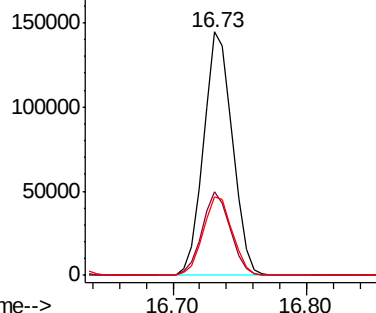
#67
Hexachlorobenzene
Concen: 42.031 ng
RT: 16.73 min Scan# 2288
Delta R.T. -0.01 min
Lab File: BG036496.D
Acq: 31 Aug 2018 2:40

Instrument :
BNA_G
ClientSampleId :
PB112500BS

Tot Ion	Ratio	Lower	Upper
284	100		
142	34.6	27.8	41.6
249	32.4	27.4	41.2

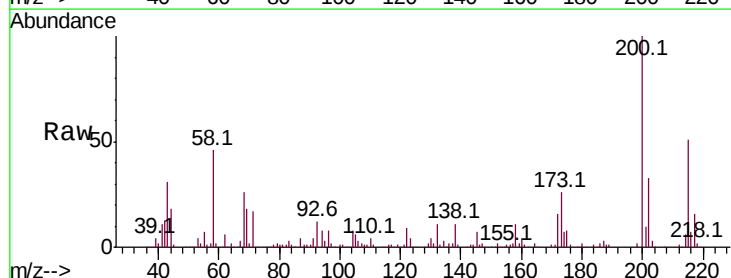


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

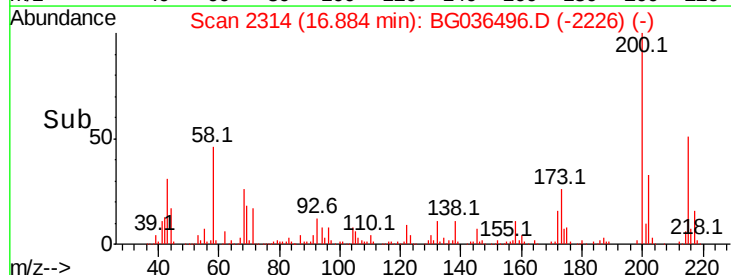
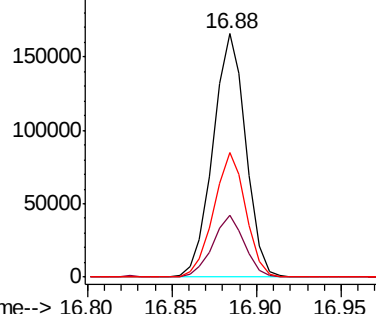


#68
Atrazine
Concen: 46.492 ng
RT: 16.88 min Scan# 2314
Delta R.T. -0.01 min
Lab File: BG036496.D
Acq: 31 Aug 2018 2:40

Tgt Ion	Ratio	Lower	Upper
200	100		
173	25.6	3.9	43.9
215	51.3	30.4	70.4



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

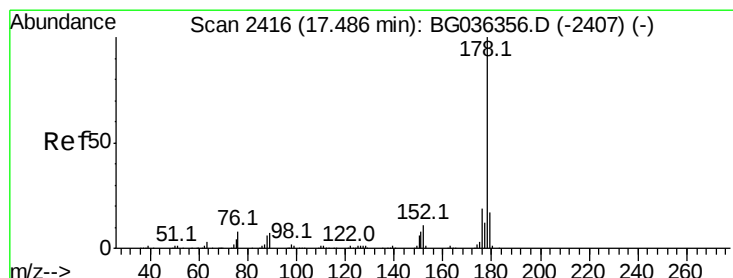
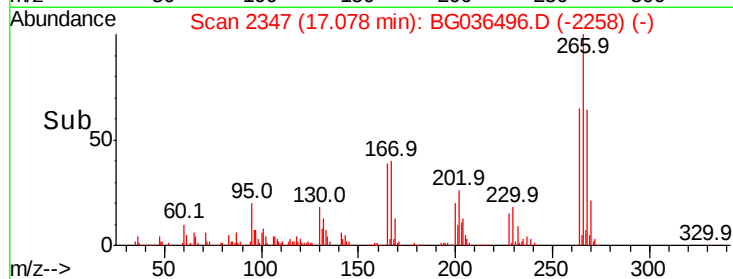
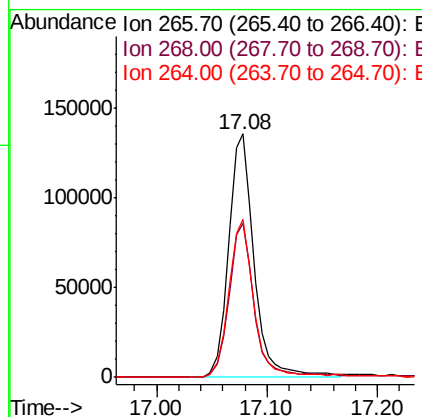
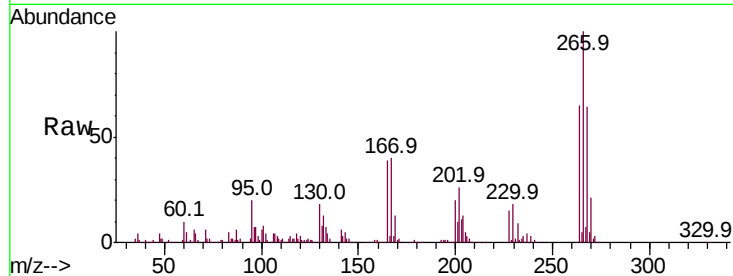




#69
 Pentachlorophenol
 Concen: 62.503 ng
 RT: 17.08 min Scan# 2347
 Delta R.T. -0.01 min
 Lab File: BG036496.D
 Acq: 31 Aug 2018 2:40

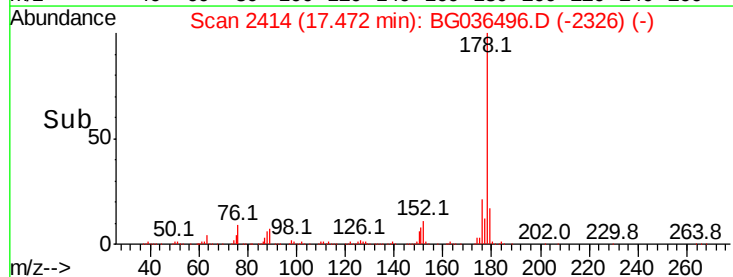
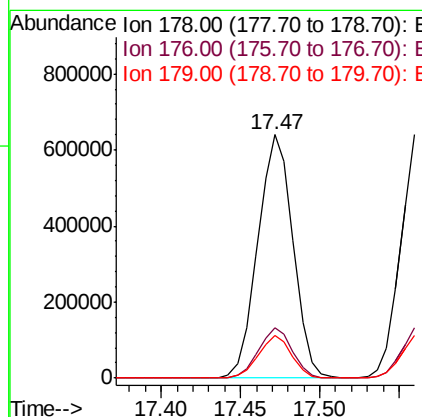
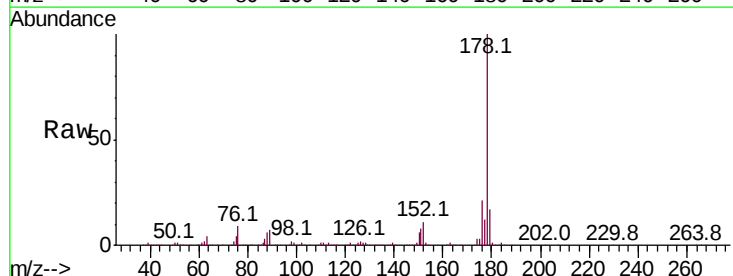
Instrument :
 BNA_G
 ClientSampleId :
 PB112500BS

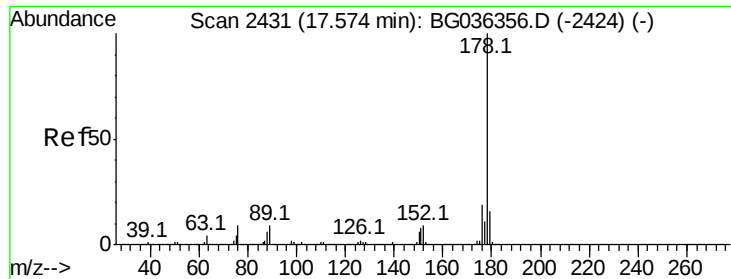
Tot Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.4	77.2
264	64.6	48.9	73.3



#70
 Phenanthrene
 Concen: 45.030 ng
 RT: 17.47 min Scan# 2414
 Delta R.T. -0.01 min
 Lab File: BG036496.D
 Acq: 31 Aug 2018 2:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.4	23.2
179	17.3	13.4	20.2

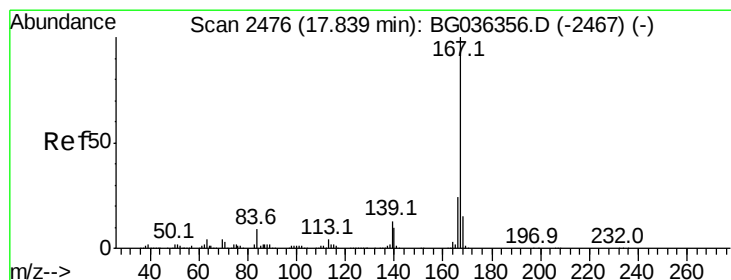
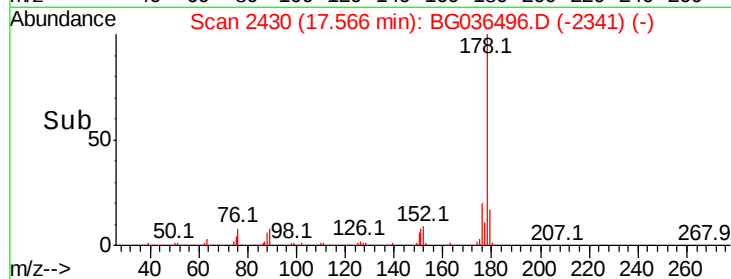
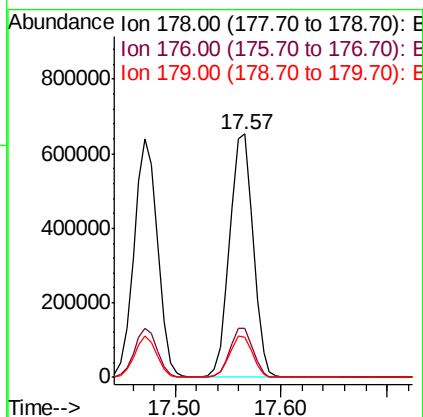
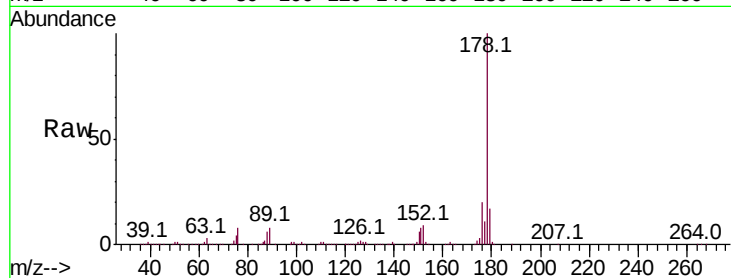




#71
 Anthracene
 Concen: 45.722 ng
 RT: 17.57 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BG036496.D
 Acq: 31 Aug 2018 2:40

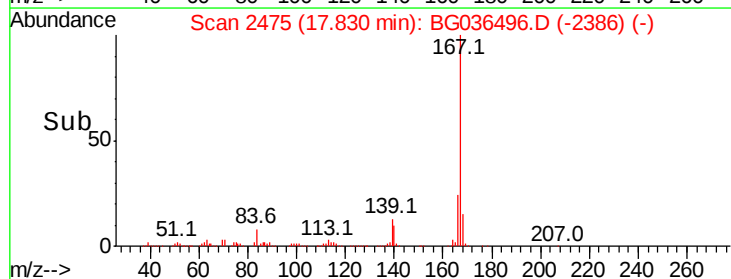
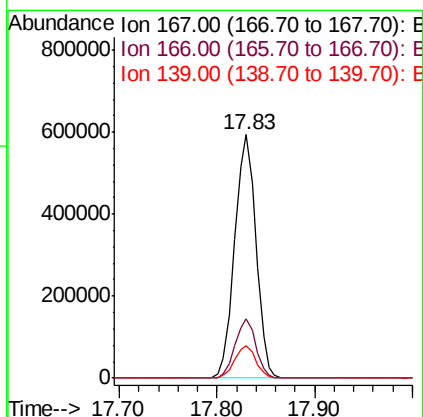
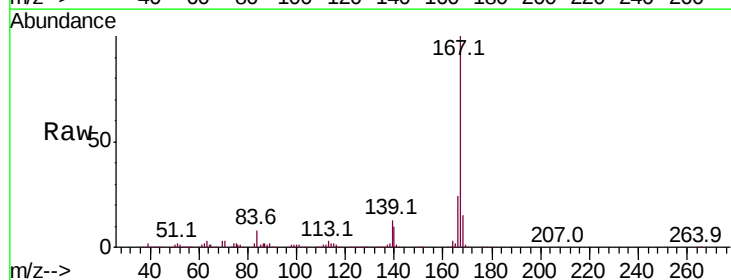
Instrument :
 BNA_G
 ClientSampleId :
 PB112500BS

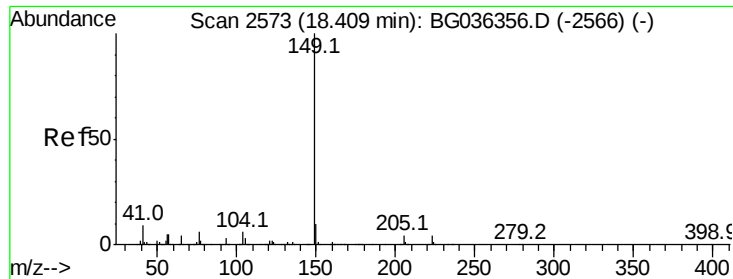
Tot Ion:178 Resp: 999422
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.4 23.2
 179 16.6 13.0 19.4



#72
 Carbazole
 Concen: 41.436 ng
 RT: 17.83 min Scan# 2475
 Delta R.T. -0.01 min
 Lab File: BG036496.D
 Acq: 31 Aug 2018 2:40

Tgt Ion:167 Resp: 904550
 Ion Ratio Lower Upper
 167 100
 166 24.1 19.5 29.3
 139 13.5 10.7 16.1





#73

Di-n-butylphthalate

Concen: 42.458 ng

RT: 18.39 min Scan# 2570

Delta R.T. -0.02 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Instrument :

BNA_G

ClientSampleId :

PB112500BS

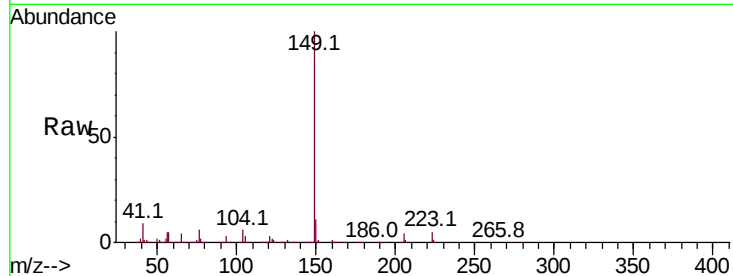
Tot Ion:149 Resp: 1032119

Ion Ratio Lower Upper

149 100

150 10.5 8.1 12.1

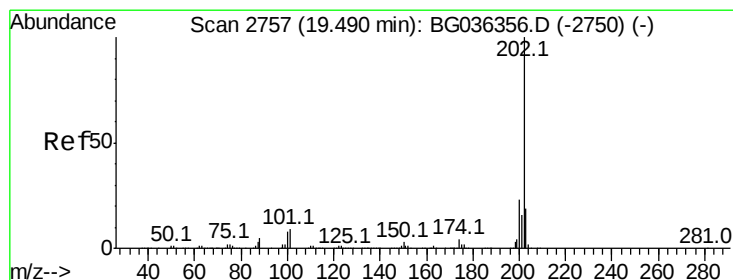
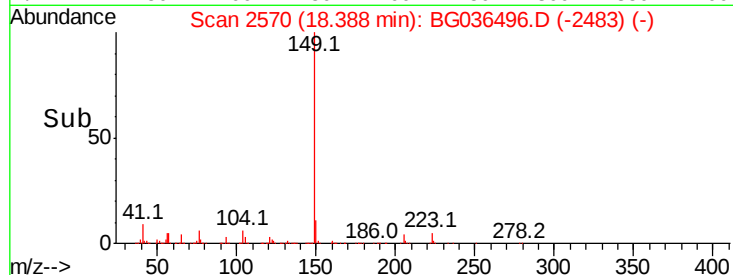
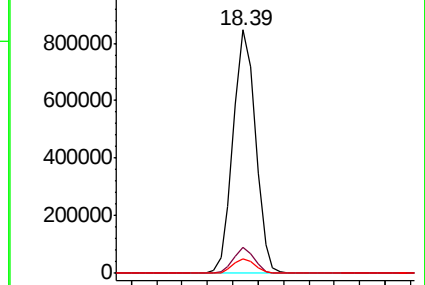
104 6.2 4.6 6.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 45.803 ng

RT: 19.48 min Scan# 2755

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

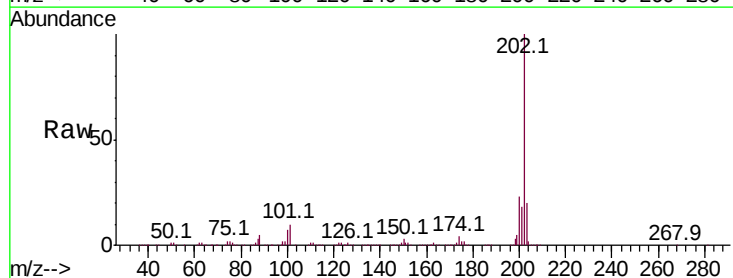
Tgt Ion:202 Resp: 1224545

Ion Ratio Lower Upper

202 100

101 9.7 0.0 29.4

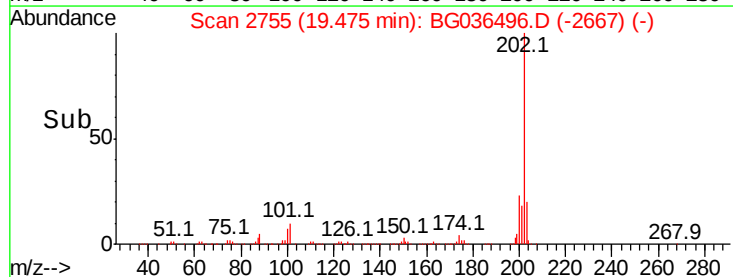
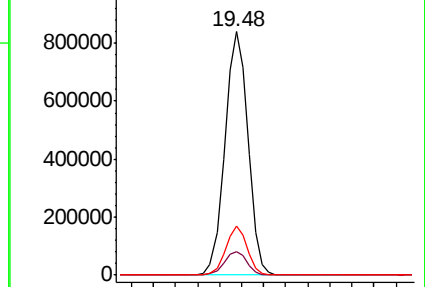
203 20.3 0.0 38.9

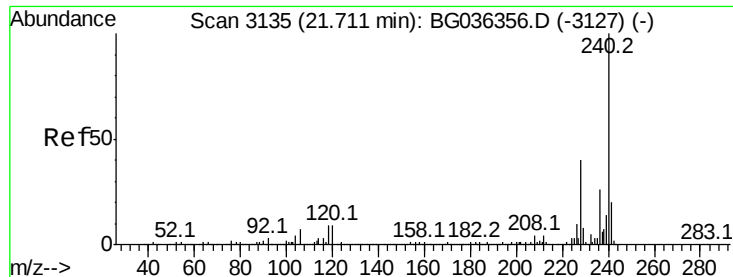


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3133

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Instrument :

BNA_G

ClientSampleId :

PB112500BS

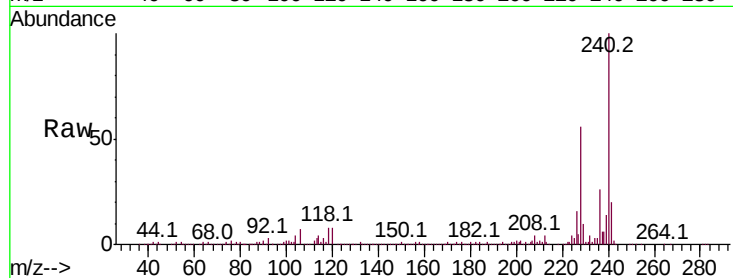
Tot Ion:240 Resp: 454306

Ion Ratio Lower Upper

240 100

120 8.2 6.9 10.3

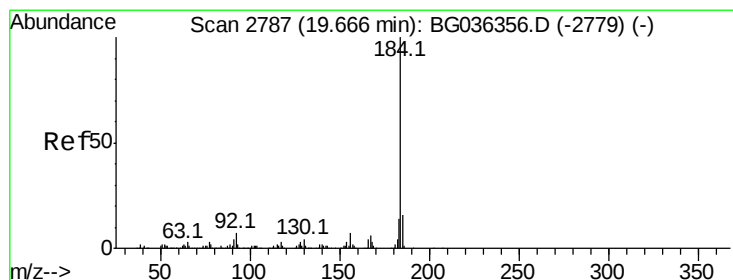
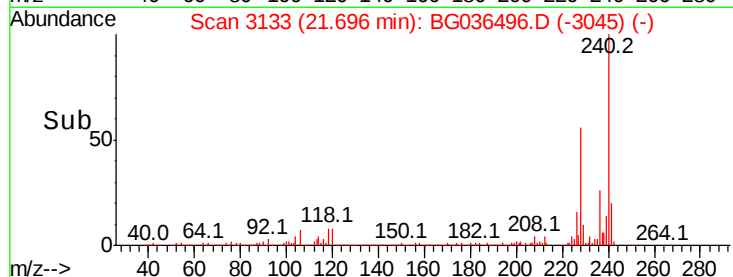
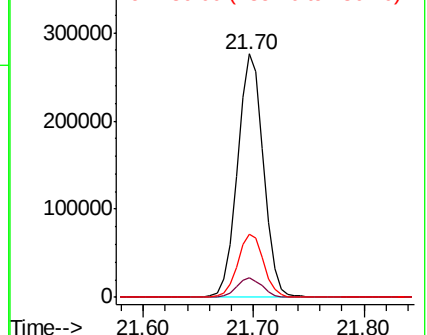
236 26.1 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 34.196 ng

RT: 19.65 min Scan# 2785

Delta R.T. -0.01 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

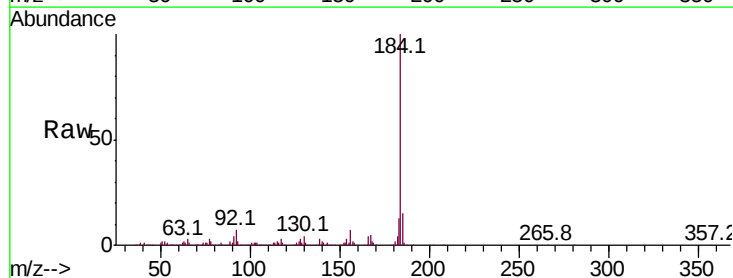
Tgt Ion:184 Resp: 495643

Ion Ratio Lower Upper

184 100

185 15.5 12.6 18.8

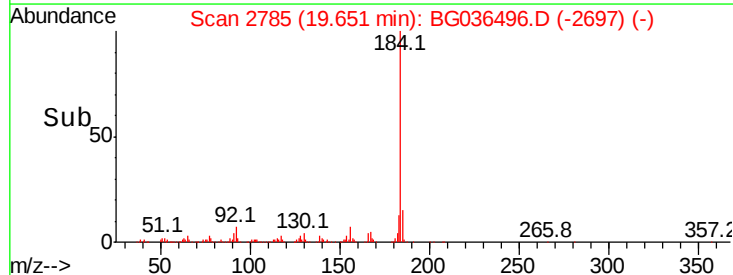
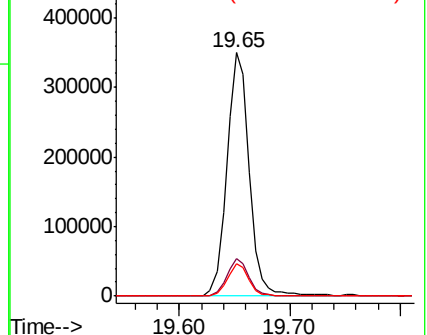
183 13.4 10.9 16.3

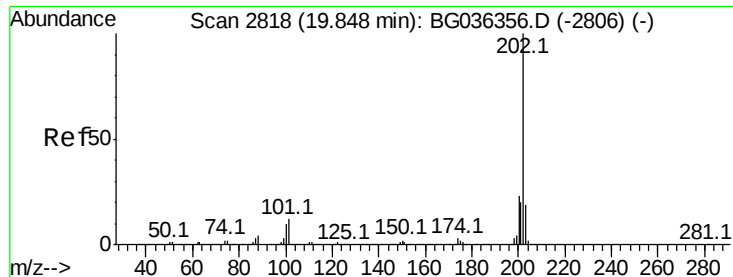


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

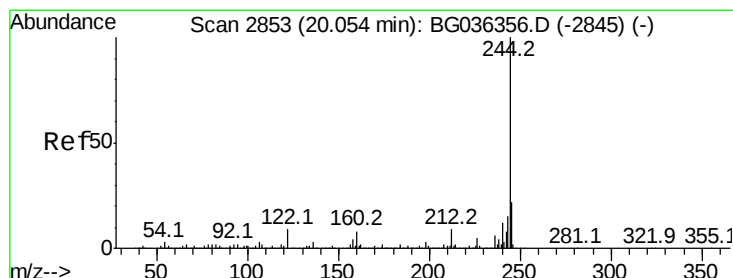
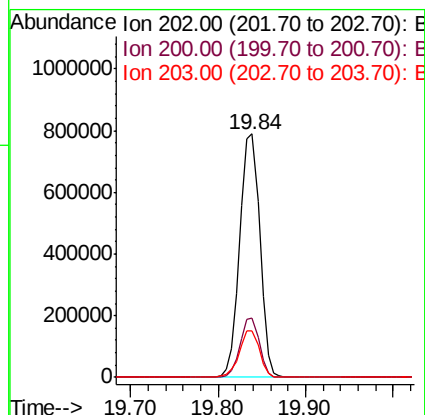
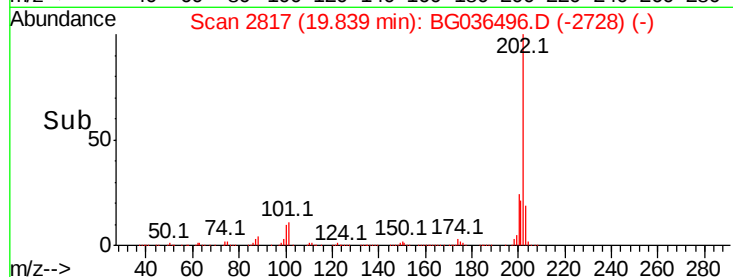
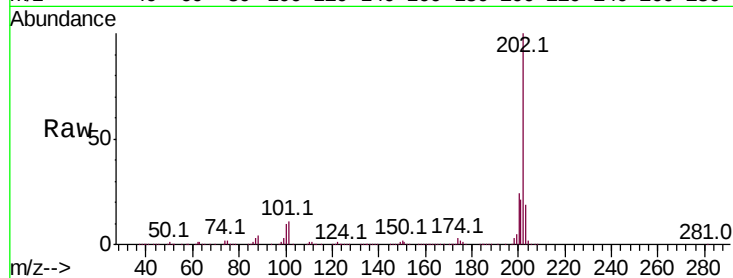




#77
Pvrene
Concen: 43.701 ng
RT: 19.84 min Scan# 2817
Delta R.T. -0.01 min
Lab File: BG036496.D
Acq: 31 Aug 2018 2:40

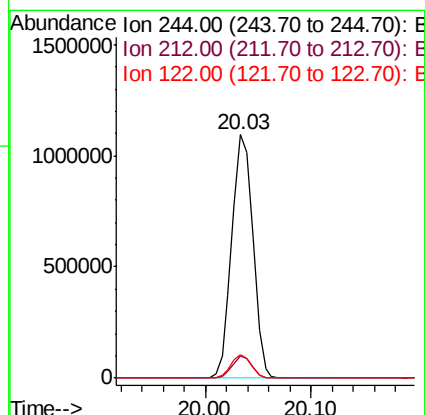
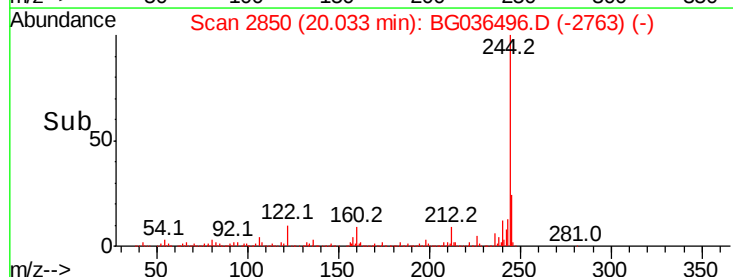
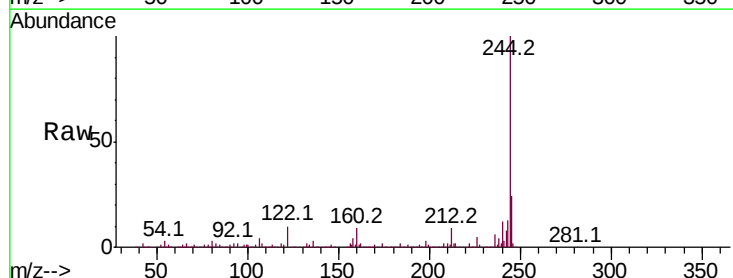
Instrument :
BNA_G
ClientSampleId :
PB112500BS

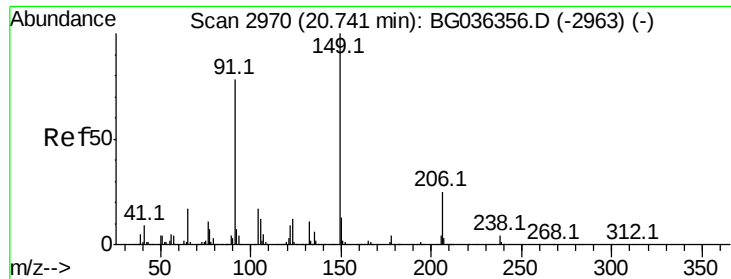
Tot Ion:202 Resp: 1220881
Ion Ratio Lower Upper
202 100
200 24.2 18.3 27.5
203 19.3 15.1 22.7



#78
Terphenyl-d14
Concen: 77.876 ng
RT: 20.03 min Scan# 2850
Delta R.T. -0.02 min
Lab File: BG036496.D
Acq: 31 Aug 2018 2:40

Tgt Ion:244 Resp: 1513662
Ion Ratio Lower Upper
244 100
212 9.0 7.0 10.6
122 9.6 7.1 10.7

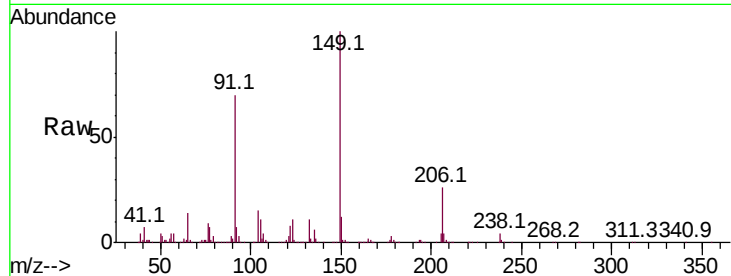




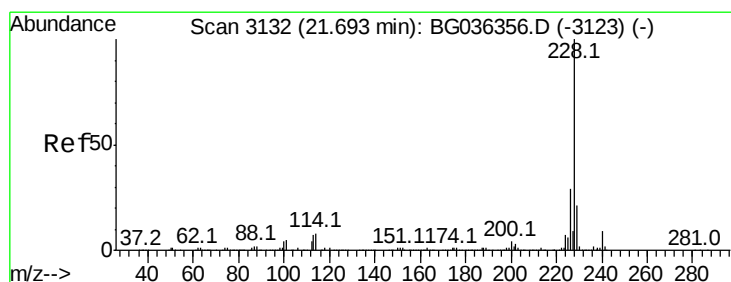
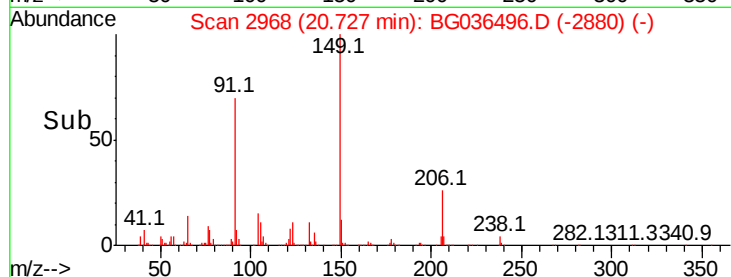
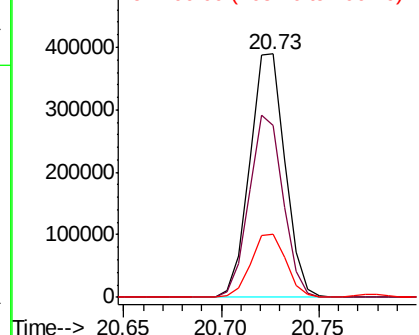
#79
 Butylbenzylphthalate
 Concen: 43.853 ng
 RT: 20.73 min Scan# 2968
 Delta R.T. -0.01 min
 Lab File: BG036496.D
 Acq: 31 Aug 2018 2:40

Instrument :
 BNA_G
 ClientSampleID :
 PB112500BS

Tot Ion	Ratio	Lower	Upper
149	100		
91	70.4	62.0	93.0
206	25.9	19.6	29.4

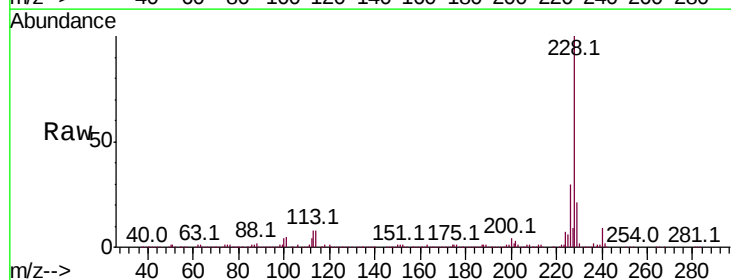


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BG
 Ion 206.00 (205.70 to 206.70): E

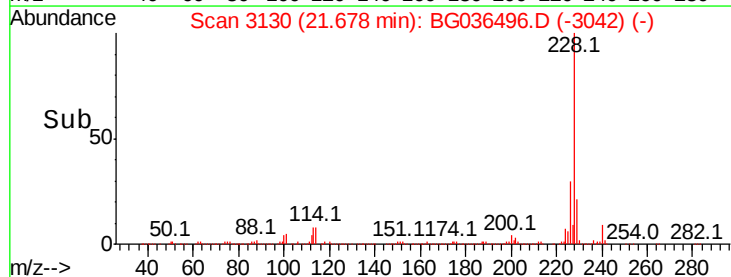
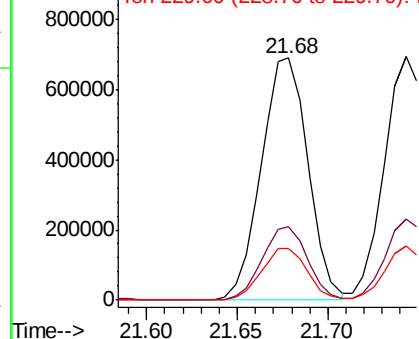


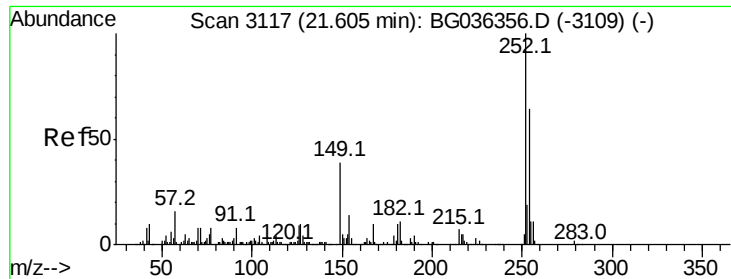
#80
 Benzo(a)anthracene
 Concen: 44.868 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BG036496.D
 Acq: 31 Aug 2018 2:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.4	35.2
229	21.5	17.1	25.7



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

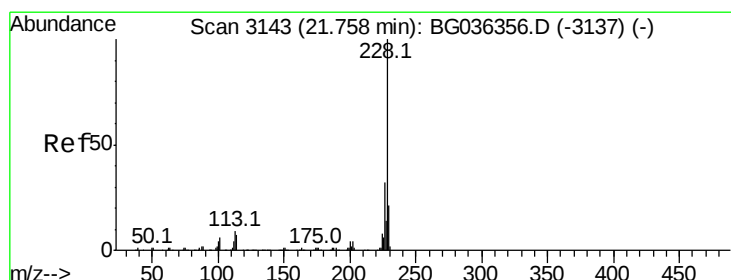
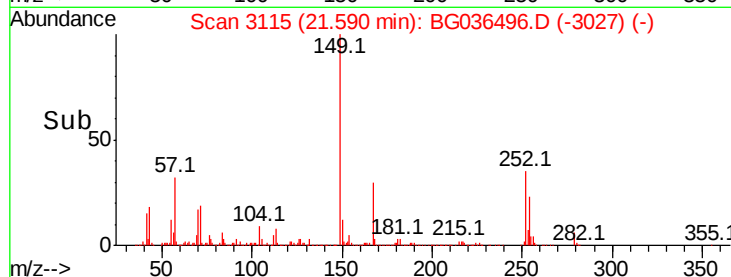
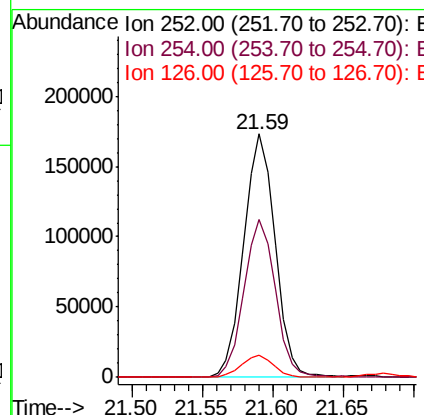
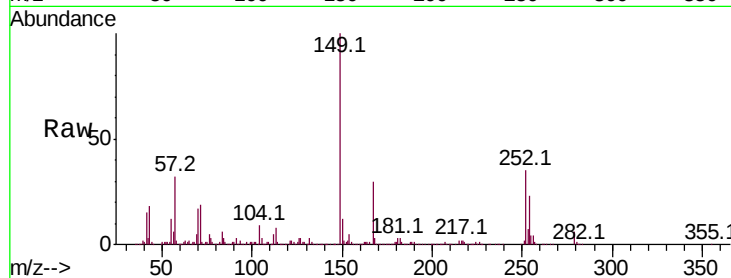




#81
 3,3'-Dichlorobenzidine
 Concen: 24.700 ng
 RT: 21.59 min Scan# 3115
 Delta R.T. -0.01 min
 Lab File: BG036496.D
 Acq: 31 Aug 2018 2:40

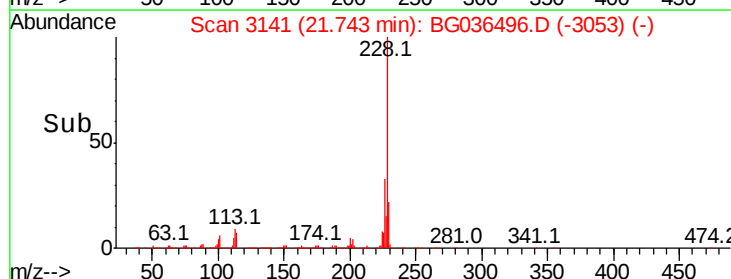
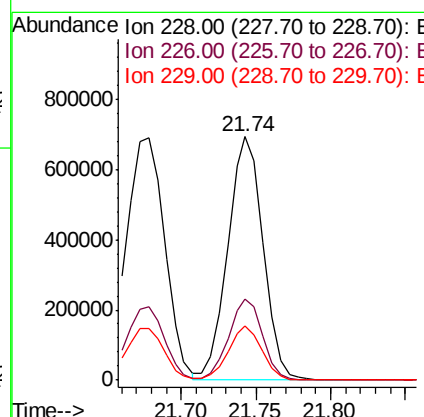
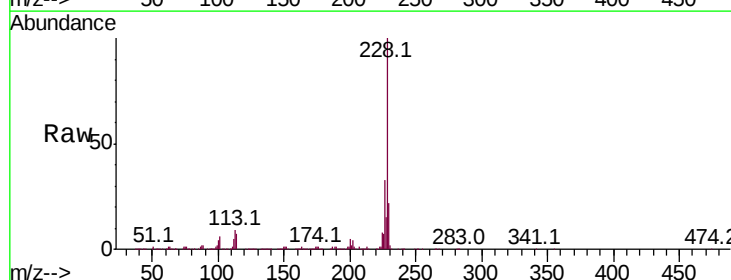
Instrument :
 BNA_G
 ClientSampleId :
 PB112500BS

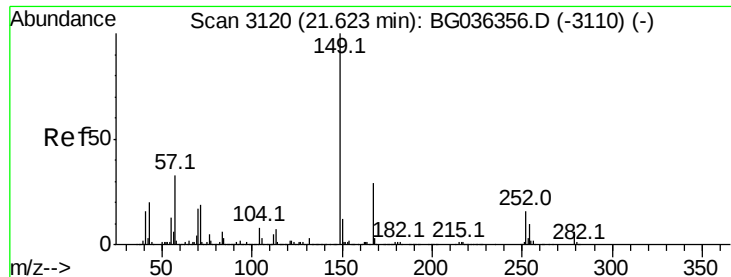
Tot Ion:252 Resp: 270931
 Ion Ratio Lower Upper
 252 100
 254 64.7 51.0 76.4
 126 9.0 7.4 11.0



#82
 Chrysene
 Concen: 43.738 ng
 RT: 21.74 min Scan# 3141
 Delta R.T. -0.01 min
 Lab File: BG036496.D
 Acq: 31 Aug 2018 2:40

Tgt Ion:228 Resp: 1141029
 Ion Ratio Lower Upper
 228 100
 226 33.3 25.5 38.3
 229 22.3 16.9 25.3





#83

Bis(2-ethylhexyl)phthalate

Concen: 42.812 ng

RT: 21.59 min Scan# 3115

Delta R.T. -0.03 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Instrument :

BNA_G

ClientSampleId :

PB112500BS

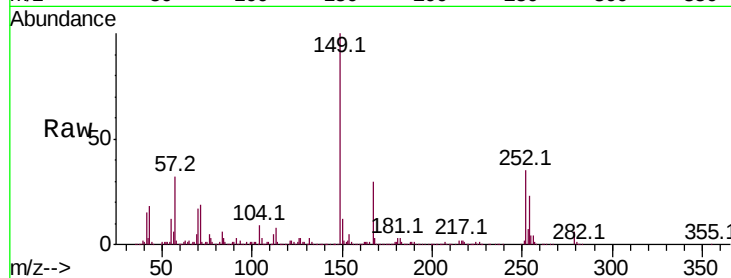
Tot Ion:149 Resp: 666076

Ion	Ratio	Lower	Upper
149	100		
167	30.0	23.4	35.0
279	5.6	4.6	7.0

149 100

167 30.0 23.4 35.0

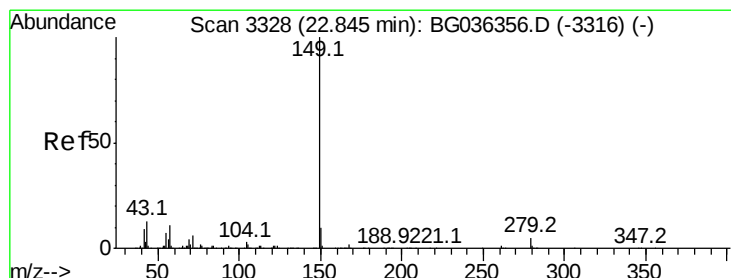
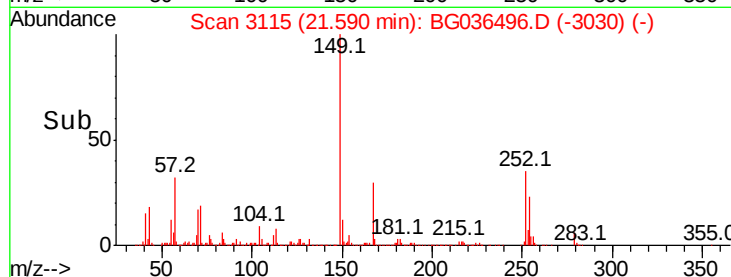
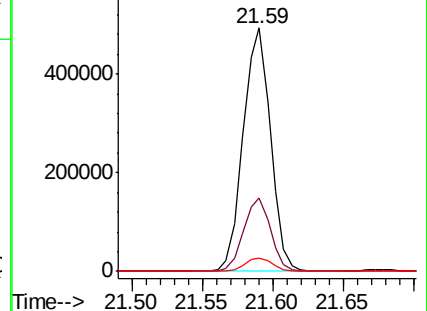
279 5.6 4.6 7.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 43.888 ng

RT: 22.81 min Scan# 3322

Delta R.T. -0.04 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

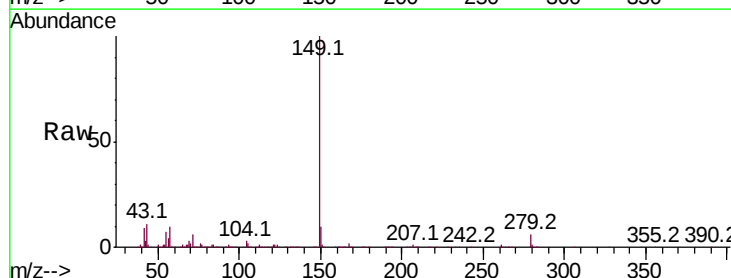
Tgt Ion:149 Resp: 1140531

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	11.1	10.0	15.0

149 100

167 1.7 1.3 1.9

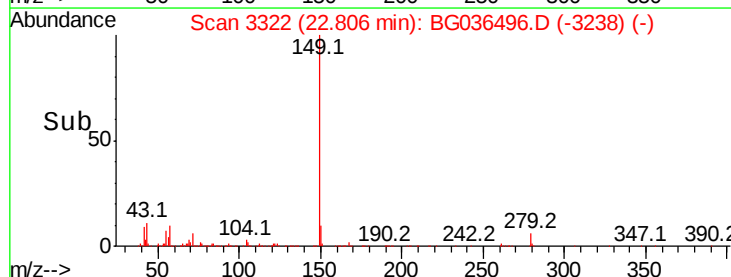
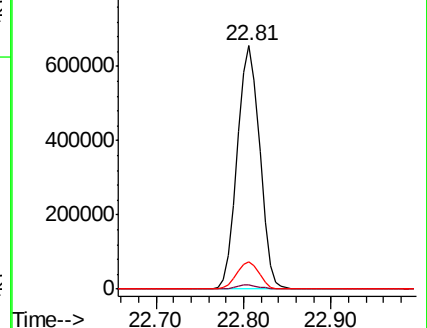
43 11.1 10.0 15.0

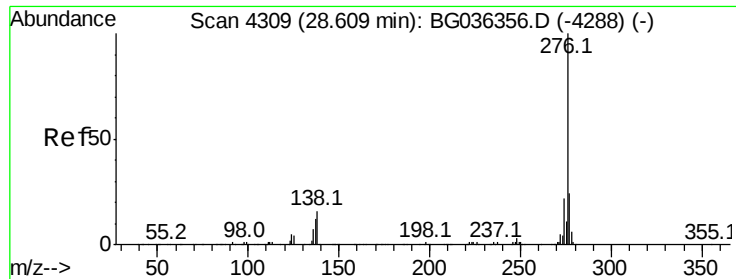


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BG

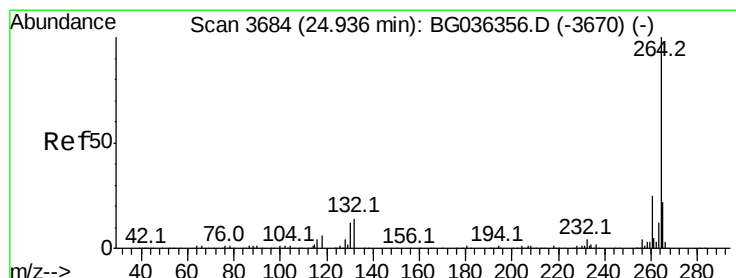
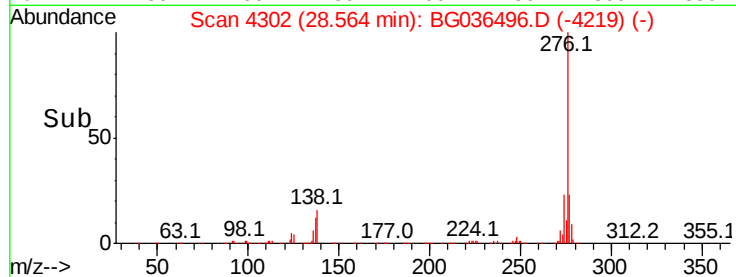
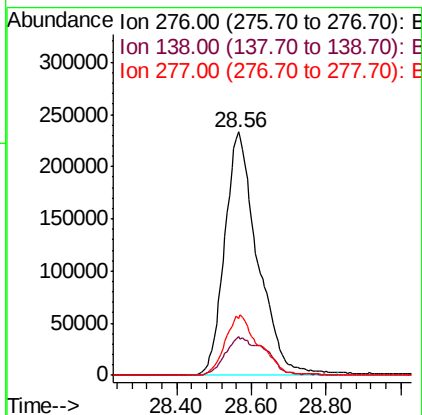
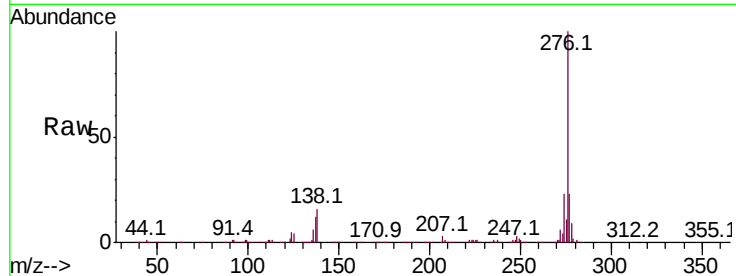




#85
Indeno(1,2,3-cd)pyrene
Concen: 47.262 ng
RT: 28.56 min Scan# 4302
Delta R.T. -0.04 min
Lab File: BG036496.D
Acq: 31 Aug 2018 2:40

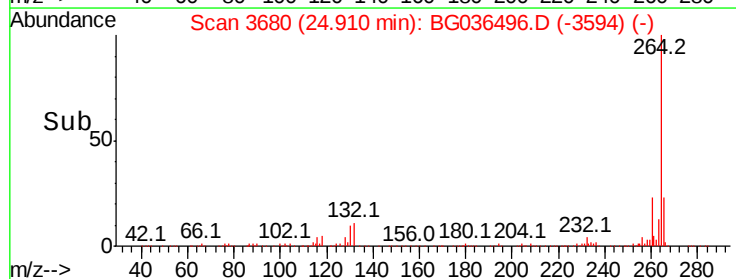
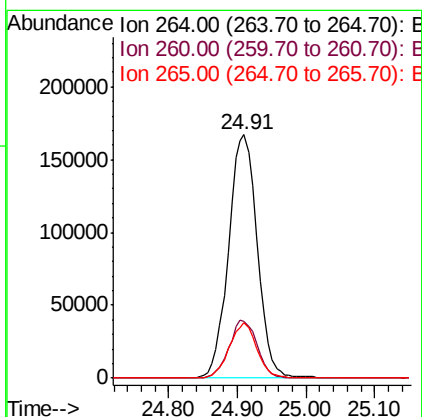
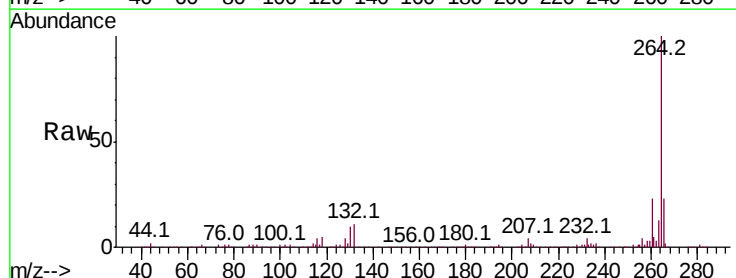
Instrument :
BNA_G
ClientSampleId :
PB112500BS

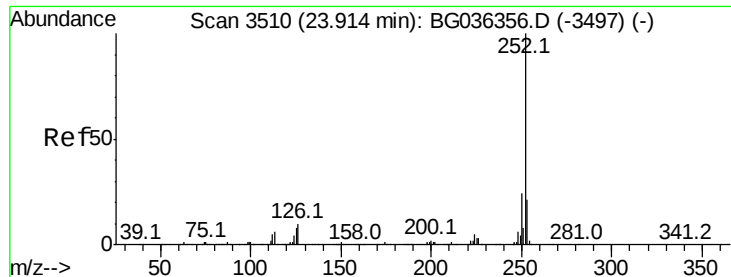
Tot Ion:276 Resp: 1432050
Ion Ratio Lower Upper
276 100
138 19.2 10.6 15.8#
277 25.4 20.6 30.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.91 min Scan# 3680
Delta R.T. -0.03 min
Lab File: BG036496.D
Acq: 31 Aug 2018 2:40

Tgt Ion:264 Resp: 484203
Ion Ratio Lower Upper
264 100
260 23.1 19.6 29.4
265 22.6 17.4 26.0





#87

Benzo(b)fluoranthene

Concen: 46.269 ng

RT: 23.89 min Scan# 3507

Delta R.T. -0.02 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Instrument :

BNA_G

ClientSampleId :

PB112500BS

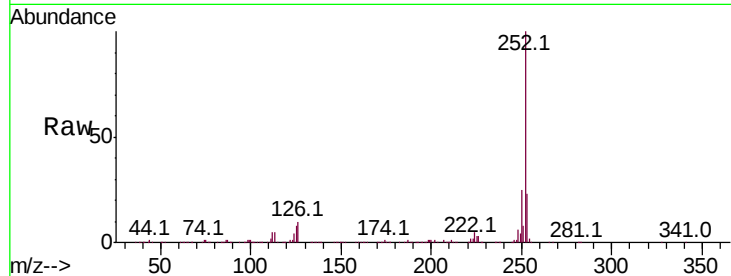
Tot Ion:252 Resp: 1244080

Ion Ratio Lower Upper

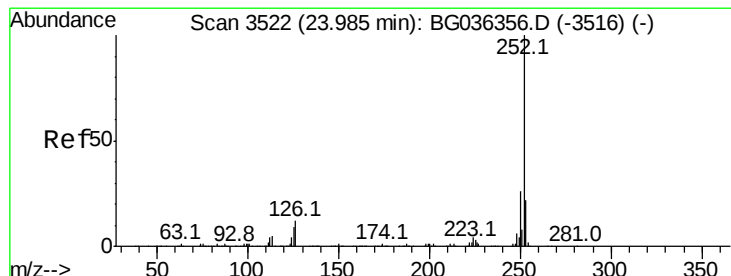
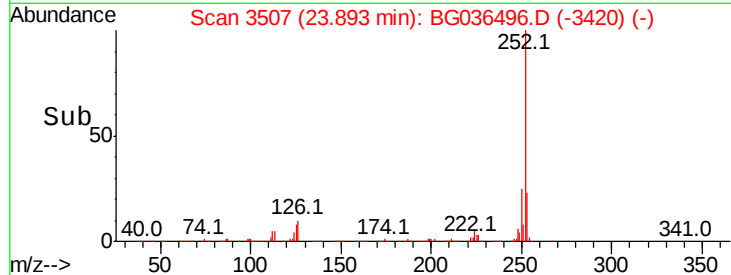
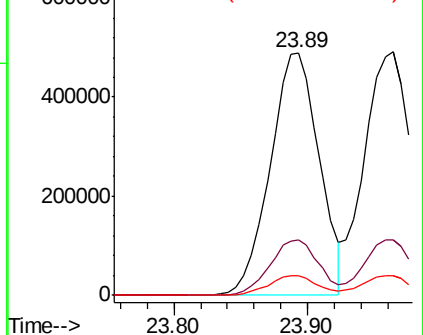
252 100

253 22.9 17.1 25.7

125 8.1 6.6 10.0



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



#88

Benzo(k)fluoranthene

Concen: 45.975 ng

RT: 23.96 min Scan# 3519

Delta R.T. -0.02 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

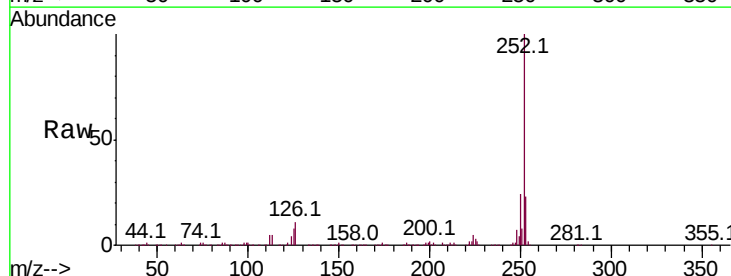
Tgt Ion:252 Resp: 1207685

Ion Ratio Lower Upper

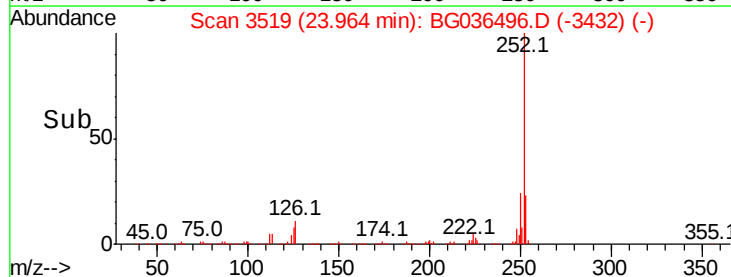
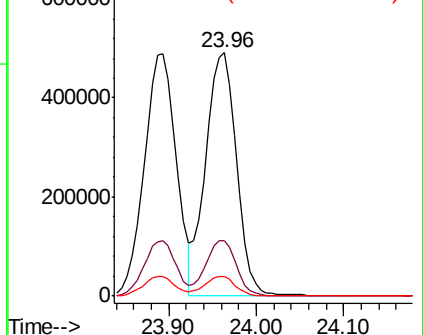
252 100

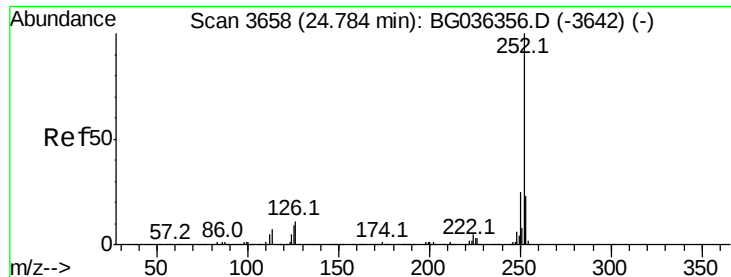
253 22.7 18.0 27.0

125 8.1 7.0 10.6



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





#89

Benzo(a)pyrene

Concen: 47.338 ng

RT: 24.76 min Scan# 3655

Delta R.T. -0.02 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Instrument :

BNA_G

ClientSampleId :

PB112500BS

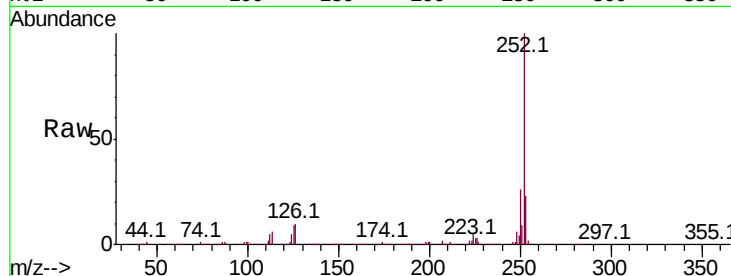
Tot Ion:252 Resp: 1223089

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	8.8	7.3	10.9

252 100

253 22.9 18.2 27.2

125 8.8 7.3 10.9

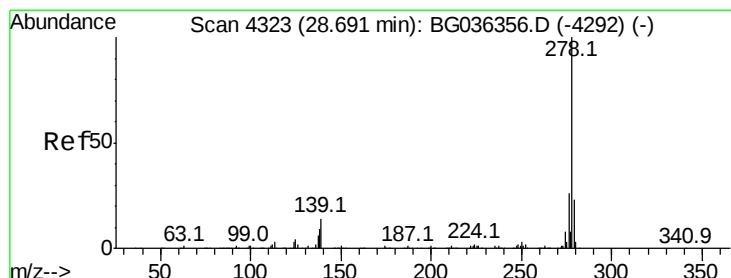
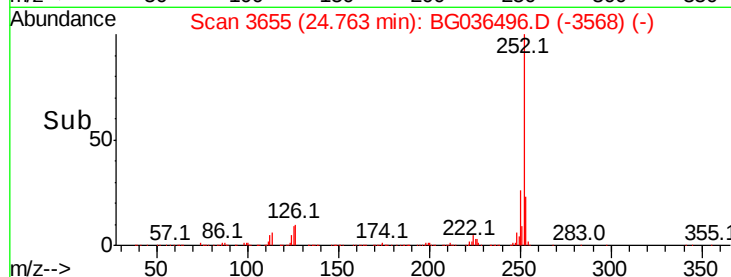
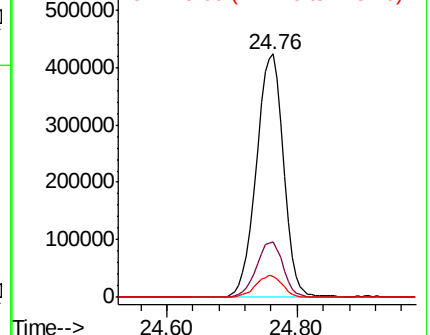


Abundance

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

Dibenzo(a,h)anthracene

Concen: 46.196 ng

RT: 28.63 min Scan# 4313

Delta R.T. -0.06 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

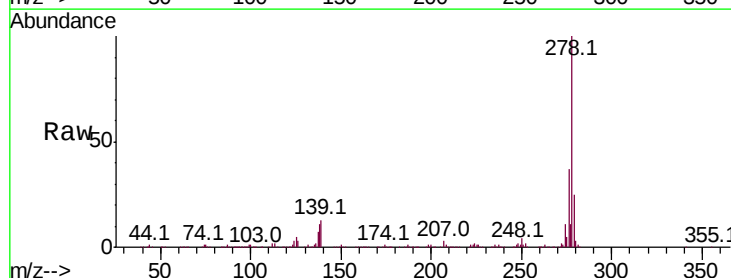
Tgt Ion:278 Resp: 1152271

Ion	Ratio	Lower	Upper
278	100		
139	13.1	11.0	16.4
279	24.6	18.7	28.1

278 100

139 13.1 11.0 16.4

279 24.6 18.7 28.1

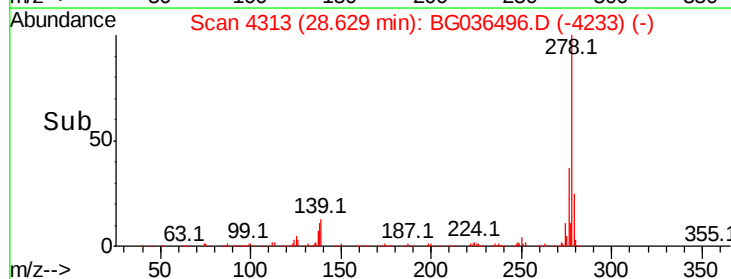
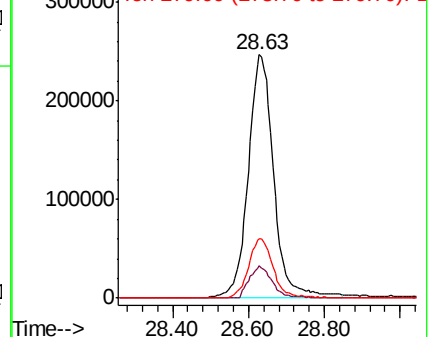


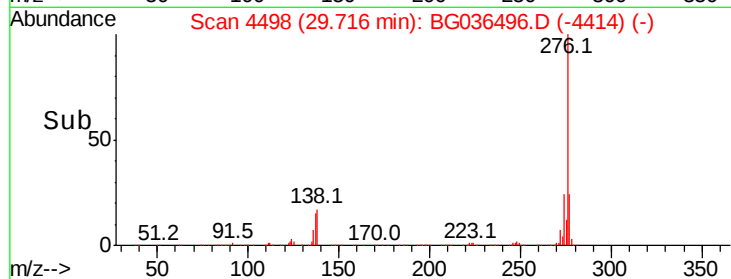
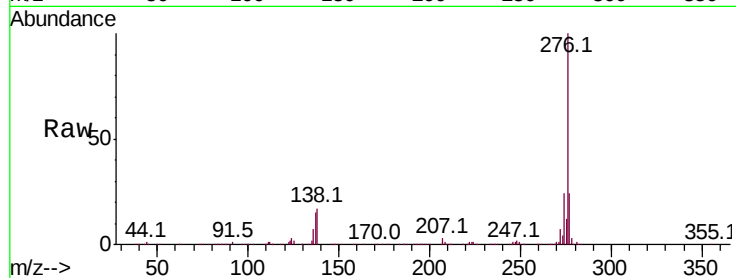
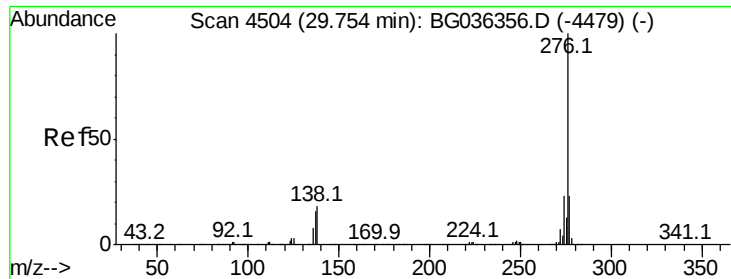
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 46.381 ng

RT: 29.72 min Scan# 4498

Delta R.T. -0.04 min

Lab File: BG036496.D

Acq: 31 Aug 2018 2:40

Instrument :

BNA_G

ClientSampleId :

PB112500BS

Tot Ion:276 Resp: 1162592

Ion Ratio Lower Upper

276 100

277 23.7 18.4 27.6

138 16.7 14.6 22.0

