

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080718\
 Data File : BG036180.D
 Acq On : 8 Aug 2018 2:55
 Operator : JU/SJ
 Sample : PB111803BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 08 04:31:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	27737	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	91567	20.00	ng	-0.01
38) Acenaphthene-d10	14.64	164	67411	20.00	ng	-0.01
63) Phenanthrene-d10	17.38	188	201168	20.00	ng	-0.01
75) Chrysene-d12	21.64	240	224710	20.00	ng	-0.02
86) Perylene-d12	24.82	264	209484	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	238630	142.84	ng	0.00
7) Phenol-d6	7.18	99	332639	133.45	ng	-0.01
23) Nitrobenzene-d5	9.17	82	223420	101.93	ng	-0.01
41) 2,4,6-Tribromophenol	16.12	330	170973	192.42	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	524810	104.30	ng	-0.02
78) Terphenyl-d14	19.99	244	1105767	108.47	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.52	88	69	0.081	ng	# 1
3) Pyridine	4.00	79	57	0.026	ng	# 1
4) n-Nitrosodimethylamine	3.82	42	154	0.162	ng	# 1
6) Aniline	7.55	93	229	0.071	ng	# 1
8) 2-Chlorophenol	7.55	128	59	0.035	ng	# 1
9) Benzaldehyde	7.19	77	439	0.287	ng	# 5
10) Phenol	7.20	94	54	0.021	ng	# 1
11) bis(2-Chloroethyl)ether	7.55	93	229	0.116	ng	# 1
12) 1,3-Dichlorobenzene	8.33	146	68	0.033	ng	# 1
13) 1,4-Dichlorobenzene	8.33	146	68	0.033	ng	# 1
14) 1,2-Dichlorobenzene	8.33	146	68	0.034	ng	# 1
15) Benzyl Alcohol	8.32	79	3964	1.751	ng	# 41
18) Hexachloroethane	8.66	117	53	0.066	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	30251	14.412	ng	# 64
20) 3+4-Methylphenols	8.95	107	69	0.029	ng	# 24
24) Nitrobenzene	9.21	77	128	0.058	ng	# 42
25) Isophorone	9.46	82	833	0.205	ng	# 69
27) 2,4-Dimethylphenol	10.25	122	74	0.056	ng	# 1
32) Benzoic acid	10.25	122	74	0.083	ng	# 1
34) Hexachlorobutadiene	11.46	225	54	0.037	ng	# 20
40) Hexachlorocyclopentadiene	13.07	237	57	0.043	ng	# 22
45) 1,1'-Biphenyl	13.49	154	619	0.118	ng	# 43
46) 2-Chloronaphthalene	13.19	162	54	0.013	ng	# 39
47) 2-Nitroaniline	13.26	65	917	0.638	ng	# 43
50) 2,6-Dinitrotoluene	14.64	165	8315	6.913	ng	# 18
51) Acenaphthene	14.65	154	251	0.059	ng	# 5
56) 2,4-Dinitrotoluene	14.64	165	8315	4.819	ng	# 16
57) Fluorene	16.13	166	4907	0.868	ng	# 90
62) Azobenzene	15.93	77	117	0.020	ng	# 48
64) 4,6-Dinitro-2-methylphenol	16.12	198	579	0.517	ng	# 51
65) n-Nitrosodiphenylamine	16.12	169	6578	1.149	ng	# 44
66) 4-Bromophenyl-phenylether	16.12	248	13523	5.794	ng	# 1
68) Atrazine	16.75	200	57	0.024	ng	# 35
72) Carbazole	17.91	167	55	0.006	ng	# 59

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

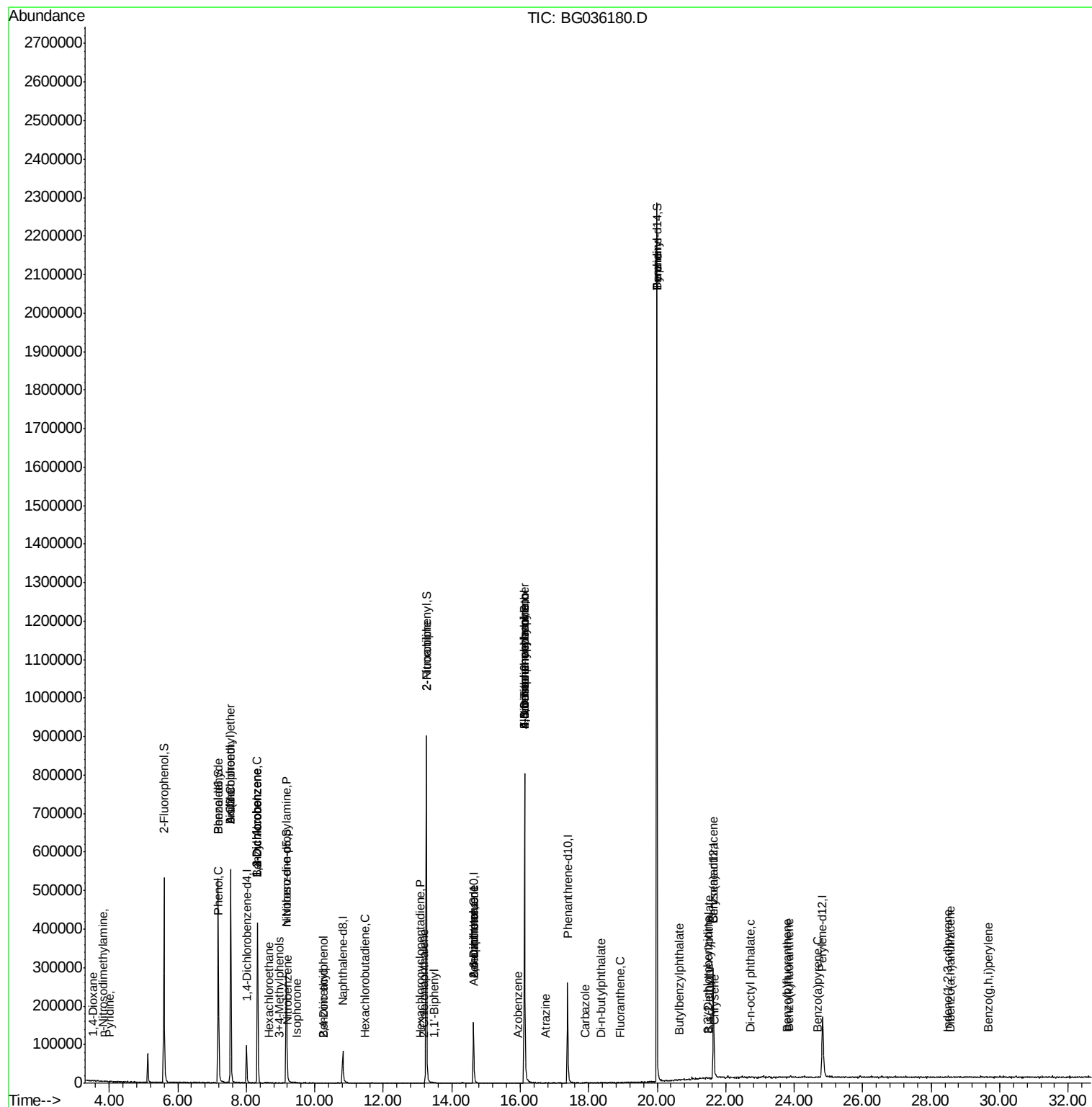
73) Di-n-butylphthalate	18.36	149	477	0.043	nq	# 78
74) Fluoranthene	18.93	202	65	0.005	nq	65
76) Benzidine	19.99	184	19207	3.251	nq	# 91
77) Pyrene	19.98	202	4548	0.320	nq	# 63
79) Butylbenzylphthalate	20.66	149	93	0.018	nq	# 20
80) Benzo(a)anthracene	21.63	228	888	0.063	nq	# 50
81) 3,3'-Dichlorobenzidine	21.48	252	55	0.011	nq	# 26
82) Chrysene	21.69	228	73	0.006	nq	# 49
83) Bis(2-ethylhexyl)phthalate	21.51	149	298	0.043	nq	# 50
84) Di-n-octyl phthalate	22.71	149	608	0.053	nq	# 1
85) Indeno(1,2,3-cd)pyrene	28.48	276	71	0.005	nq	# 53
87) Benzo(b)fluoranthene	23.81	252	74	0.006	nq	# 1
88) Benzo(k)fluoranthene	23.87	252	180	0.014	nq	# 1
89) Benzo(a)pyrene	24.69	252	356	0.030	nq	# 59
90) Dibenzo(a,h)anthracene	28.56	278	62	0.005	nq	# 58
91) Benzo(g,h,i)perylene	29.65	276	139	0.012	nq	# 56

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

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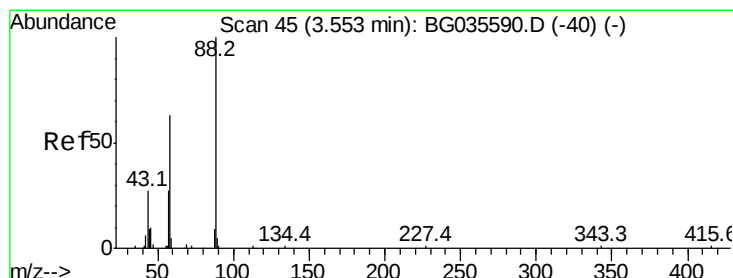
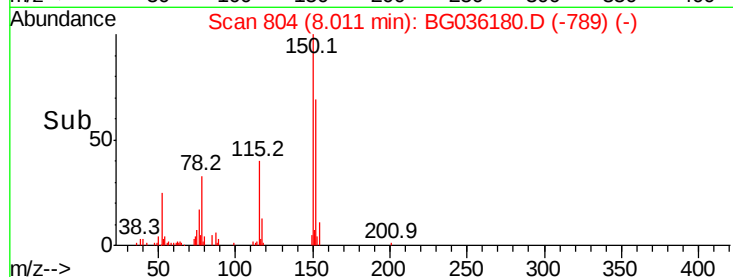
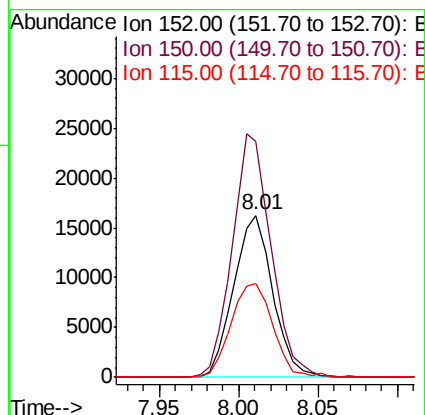
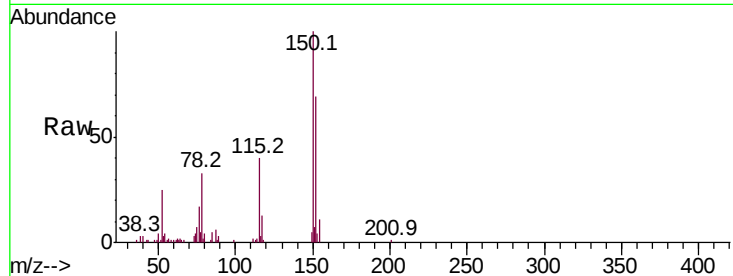


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 804
Delta R.T. -0.01 min
Lab File: BG036180.D
Acq: 8 Aug 2018 2:55

Instrument :
BNA_G
ClientSampleId :

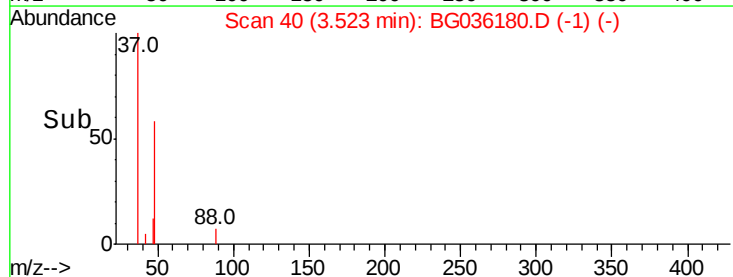
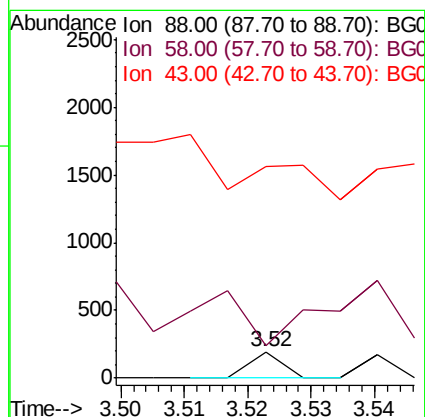
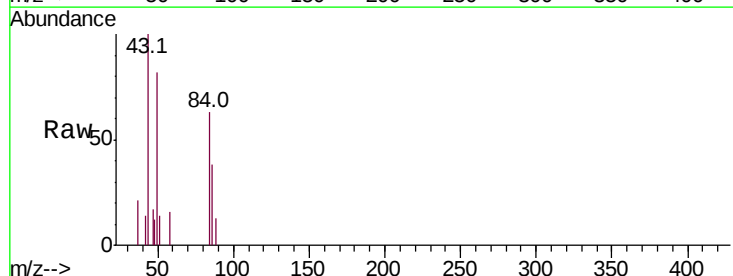
Tot Ion:152 Resp: 27737
Ion Ratio Lower Upper
152 100
150 145.7 126.6 189.8
115 58.0 53.0 79.4

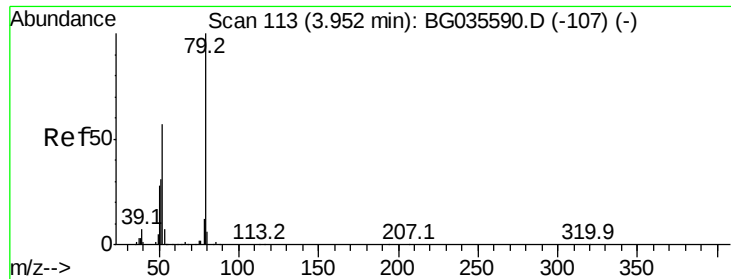


#2

1,4-Dioxane
Concen: 0.081 ng
RT: 3.52 min Scan# 40
Delta R.T. -0.00 min
Lab File: BG036180.D
Acq: 8 Aug 2018 2:55

Tgt Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
58 0.0 79.6 119.4#
43 1079.7 27.4 41.0#





#3

Pvridine

Concen: 0.026 ng

RT: 4.00 min Scan# 121

Delta R.T. 0.08 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

Instrument :

BNA_G

ClientSampled :

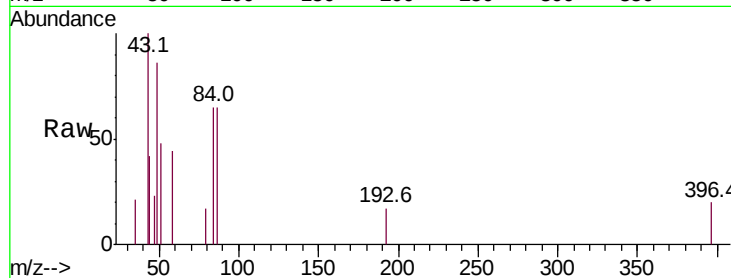
Tot Ion: 79 Resp: 57

Ion Ratio Lower Upper

79 100

52 0.0 69.9 104.9#

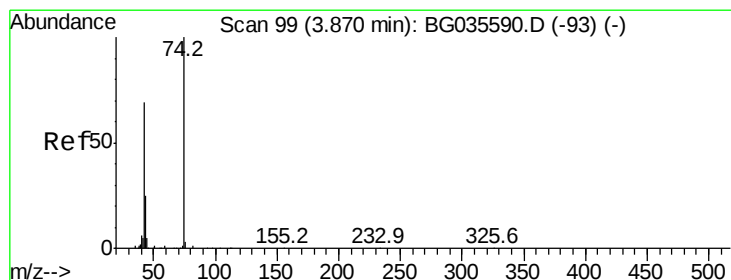
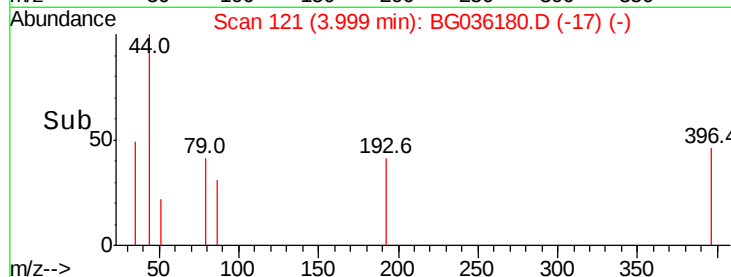
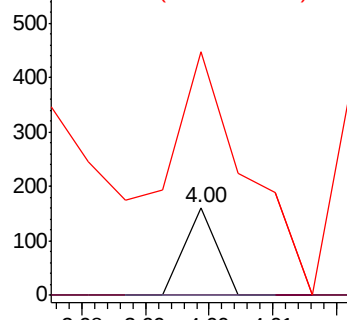
51 277.6 34.0 51.0#



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: 0.162 ng

RT: 3.82 min Scan# 91

Delta R.T. -0.01 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

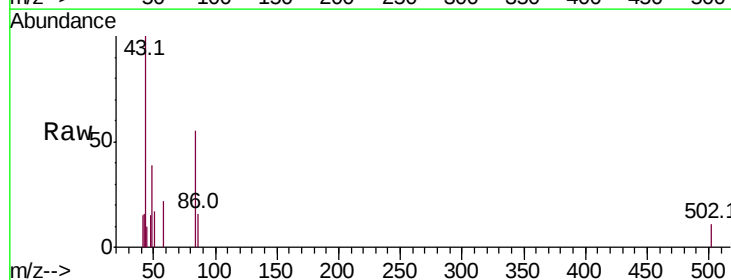
Tgt Ion: 42 Resp: 154

Ion Ratio Lower Upper

42 100

74 0.0 102.5 153.7#

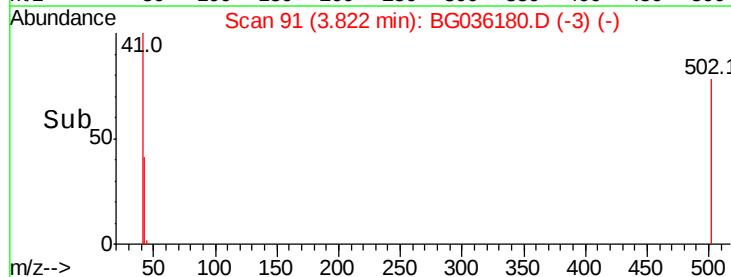
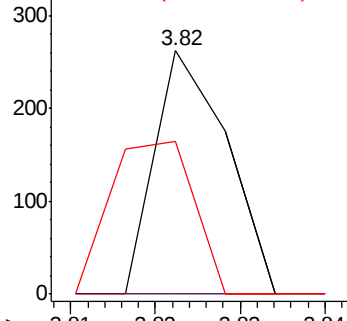
44 63.0 18.9 28.3#



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: 142.835 ng

RT: 5.60 min Scan# 393

Delta R.T. -0.01 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

Instrument :

BNA_G

ClientSampleId :

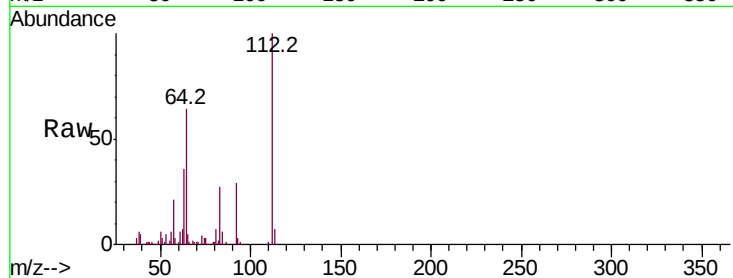
Tot Ion:112 Resp: 238630

Ion Ratio Lower Upper

112 100

64 64.1 56.3 84.5

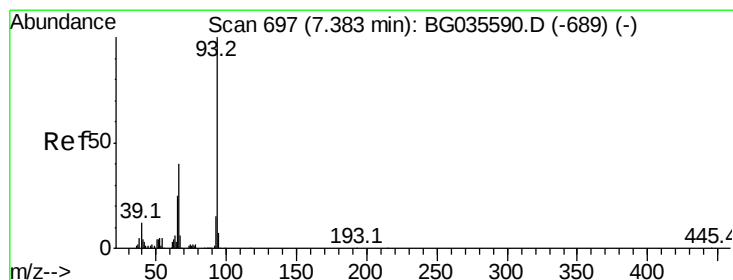
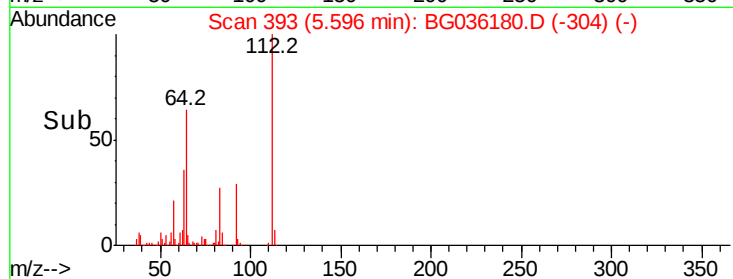
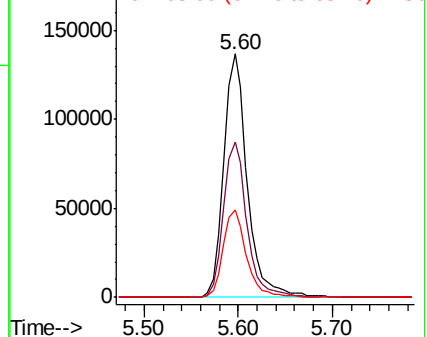
63 35.7 30.1 45.1



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: 0.071 ng

RT: 7.55 min Scan# 725

Delta R.T. 0.19 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

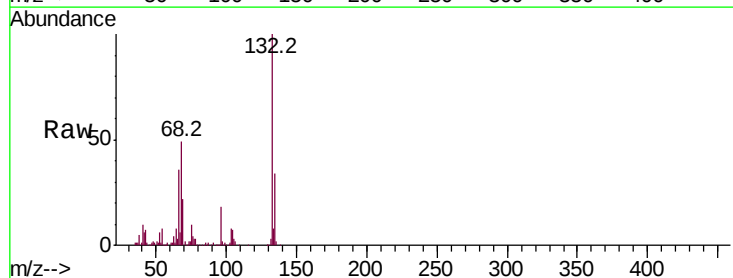
Tgt Ion: 93 Resp: 229

Ion Ratio Lower Upper

93 100

66 19546.0 33.7 50.5#

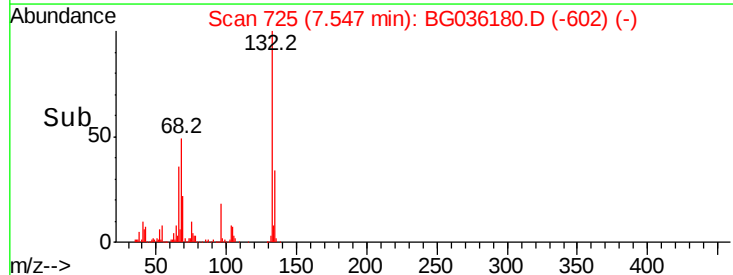
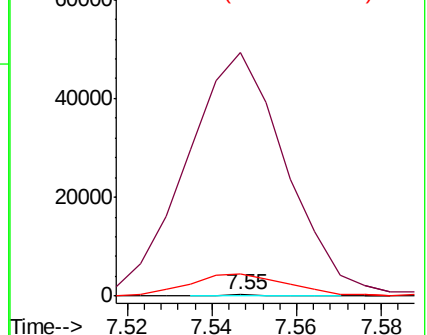
65 1734.1 16.1 24.1#



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: 133.450 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

Instrument :

BNA_G

ClientSampleId :

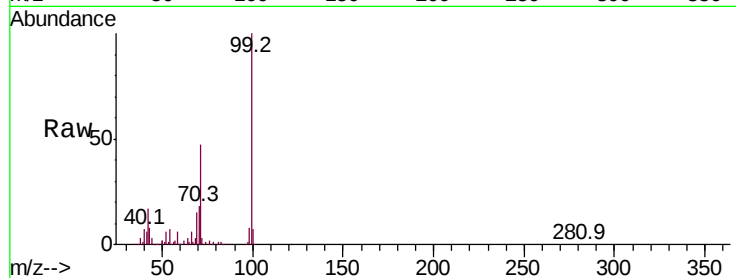
Tot Ion: 99 Resp: 332639

Ion Ratio Lower Upper

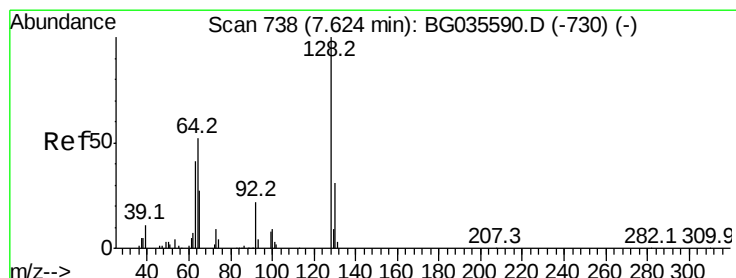
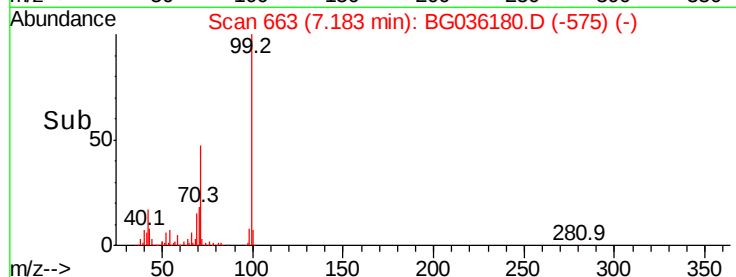
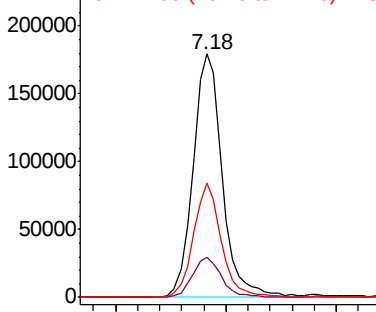
99 100

42 16.7 14.1 21.1

71 47.0 26.1 39.1#



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: 0.035 ng

RT: 7.55 min Scan# 725

Delta R.T. -0.05 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

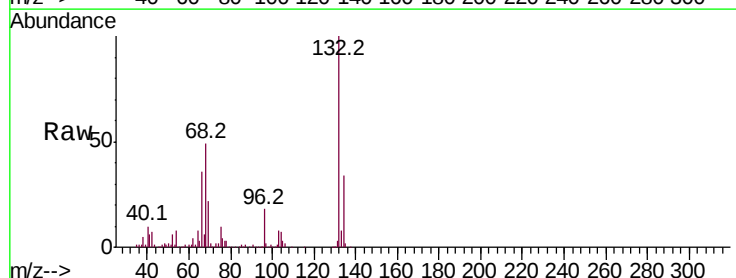
Tgt Ion: 128 Resp: 59

Ion Ratio Lower Upper

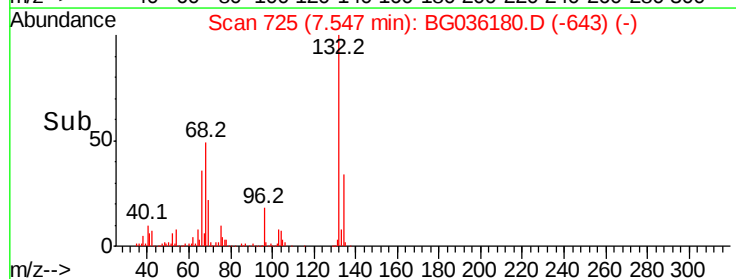
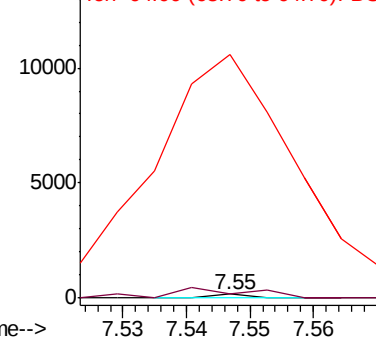
128 100

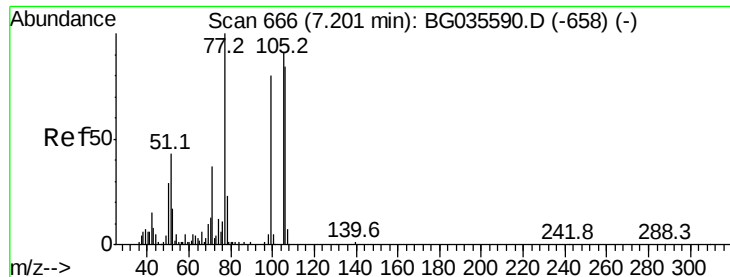
130 102.4 14.0 54.0#

64 6297.0 37.7 77.7#



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: 0.287 ng

RT: 7.19 min Scan# 664

Delta R.T. 0.02 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

Instrument :

BNA_G

ClientSampleId :

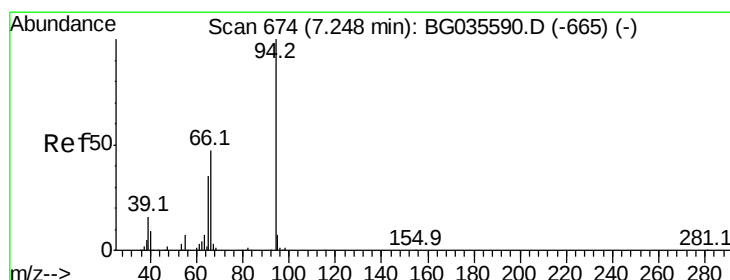
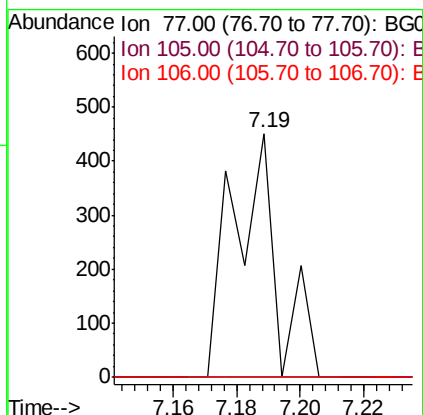
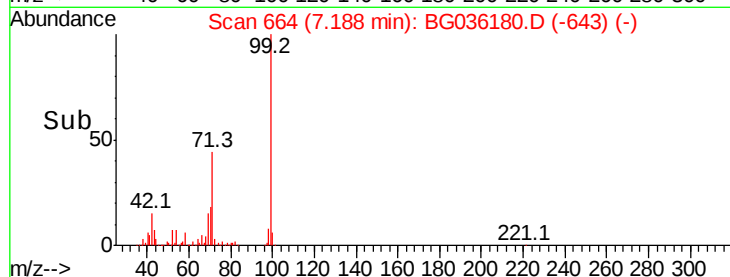
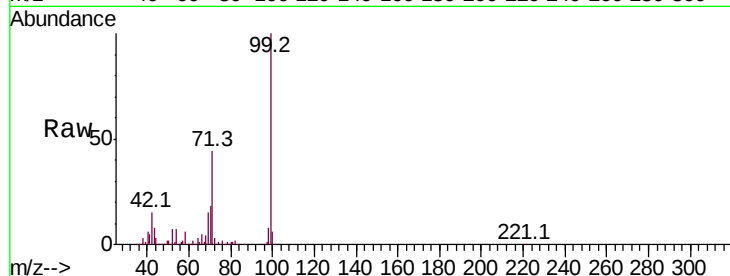
Tot Ion: 77 Resp: 439

Ion Ratio Lower Upper

77 100

105 0.0 71.3 111.3#

106 0.0 64.2 104.2#



#10

Phenol

Concen: 0.021 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.02 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

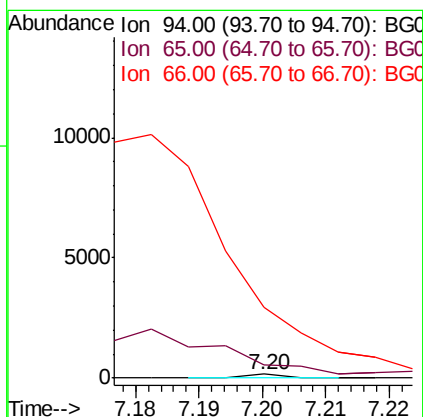
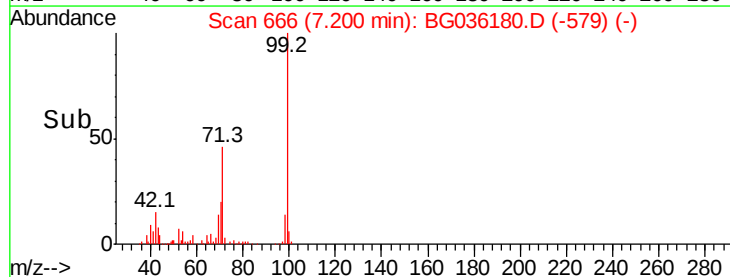
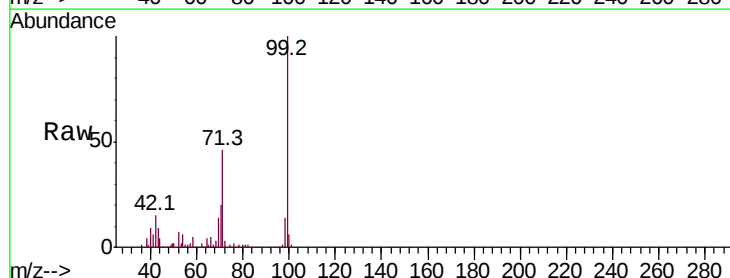
Tgt Ion: 94 Resp: 54

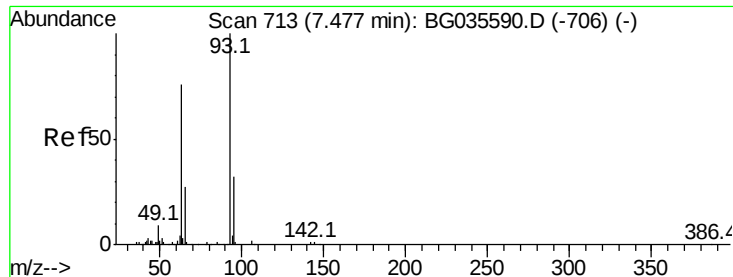
Ion Ratio Lower Upper

94 100

65 352.6 11.9 51.9#

66 1921.7 22.2 62.2#

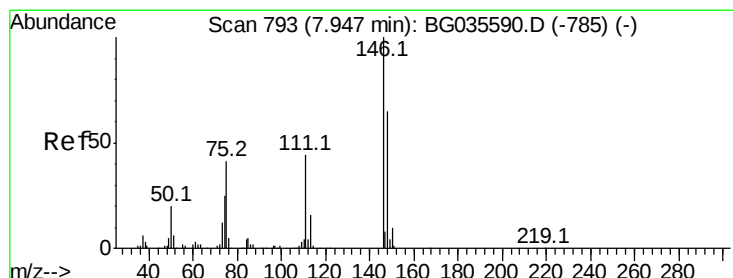
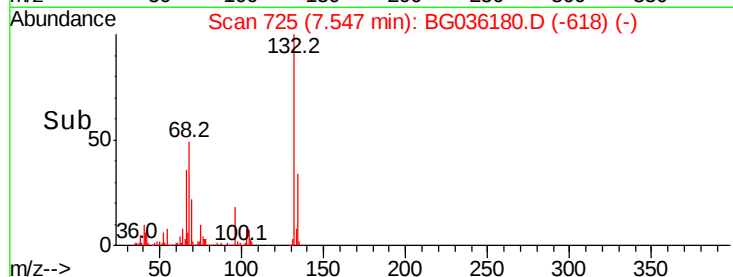
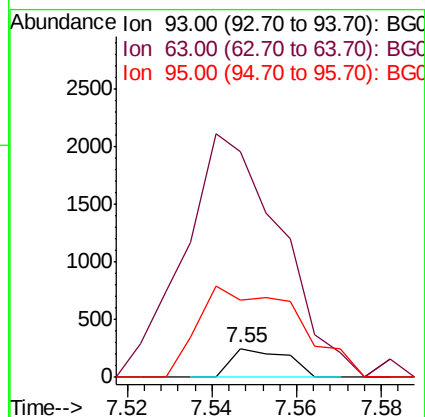
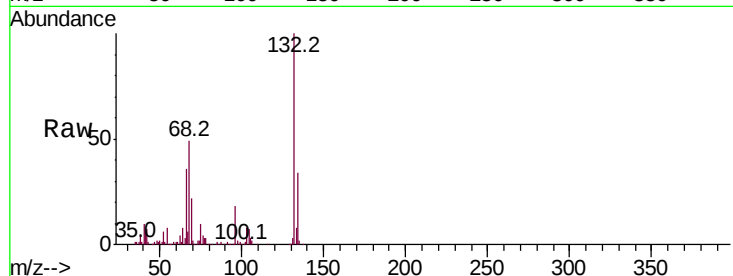




#11
 bis(2-Chloroethyl)ether
 Concen: 0.116 ng
 RT: 7.55 min Scan# 725
 Delta R.T. 0.10 min
 Lab File: BG036180.D
 Acq: 8 Aug 2018 2:55

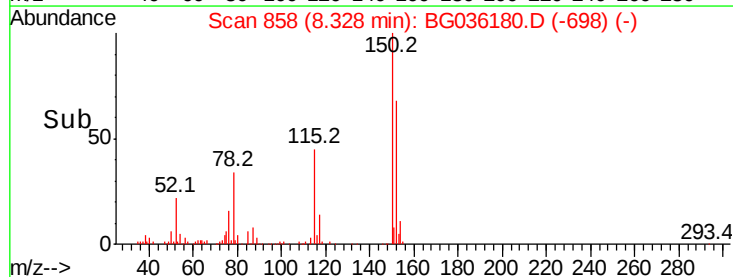
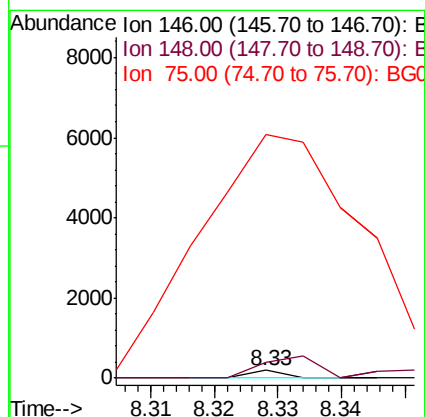
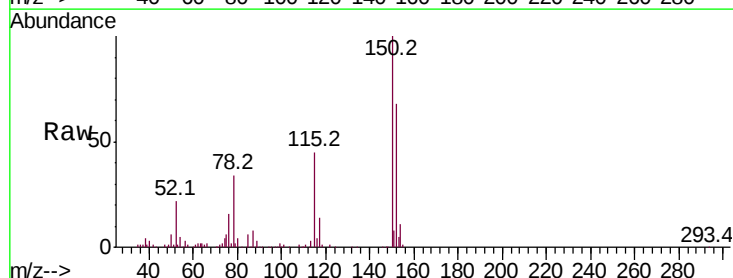
Instrument :
 BNA_G
 ClientSampleId :

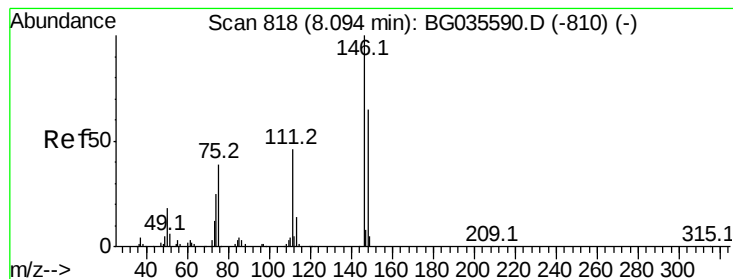
Tot Ion: 93 Resp: 229
 Ion Ratio Lower Upper
 93 100
 63 775.8 67.1 107.1#
 95 267.1 11.5 51.5#



#12
 1,3-Dichlorobenzene
 Concen: 0.033 ng
 RT: 8.33 min Scan# 858
 Delta R.T. 0.41 min
 Lab File: BG036180.D
 Acq: 8 Aug 2018 2:55

Tgt Ion: 146 Resp: 68
 Ion Ratio Lower Upper
 146 100
 148 199.0 51.4 77.2#
 75 3132.5 26.6 39.8#





#13

1,4-Dichlorobenzene

Concen: 0.033 ng

RT: 8.33 min Scan# 858

Delta R.T. 0.26 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

Instrument :

BNA_G

ClientSampled :

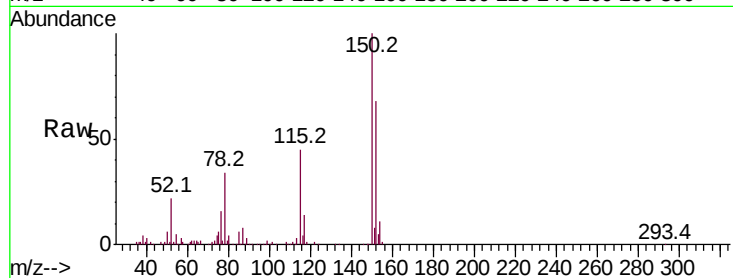
Tot Ion:146 Resp: 68

Ion Ratio Lower Upper

146 100

148 199.0 53.7 80.5#

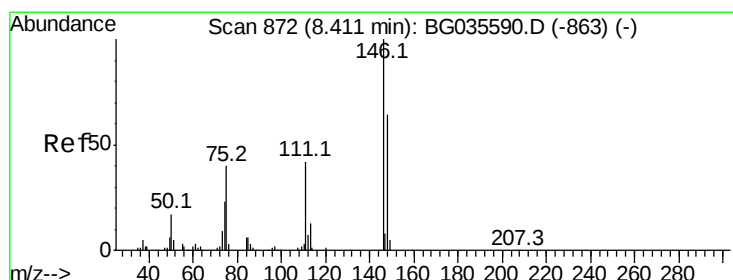
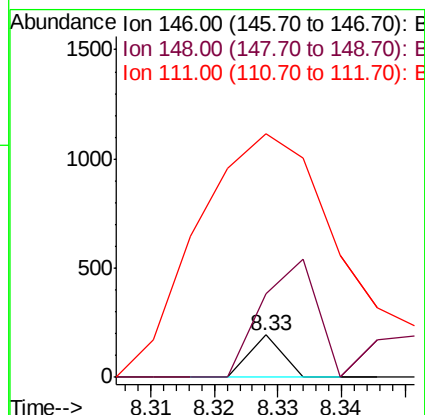
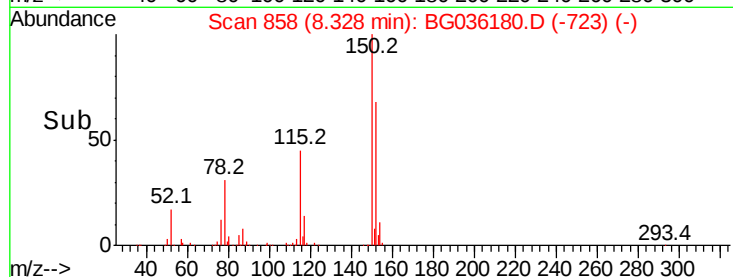
111 574.7 35.2 52.8#



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



#14

1,2-Dichlorobenzene

Concen: 0.034 ng

RT: 8.33 min Scan# 858

Delta R.T. -0.05 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

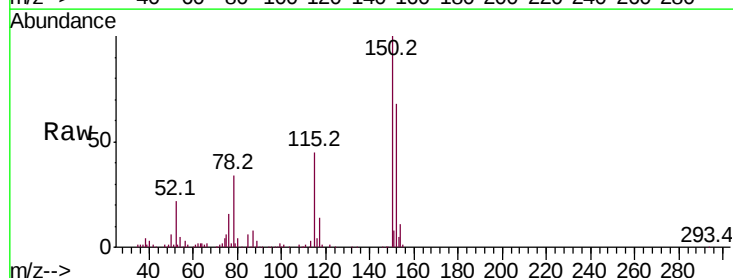
Tgt Ion:146 Resp: 68

Ion Ratio Lower Upper

146 100

148 199.0 49.3 73.9#

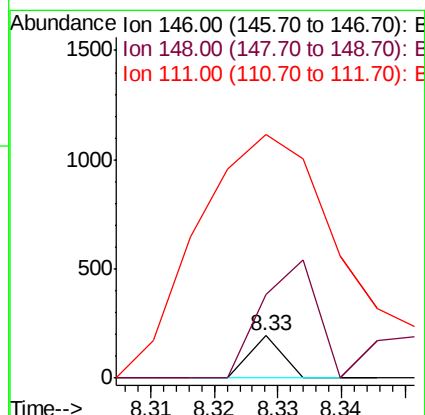
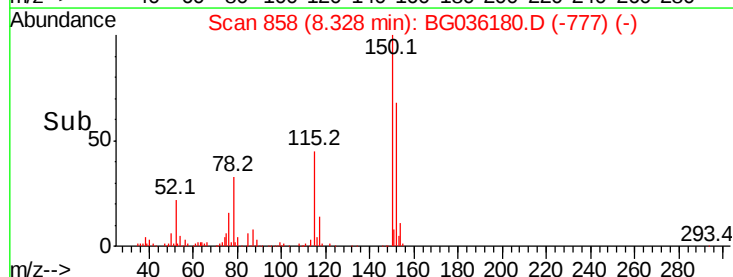
111 574.7 34.3 51.5#

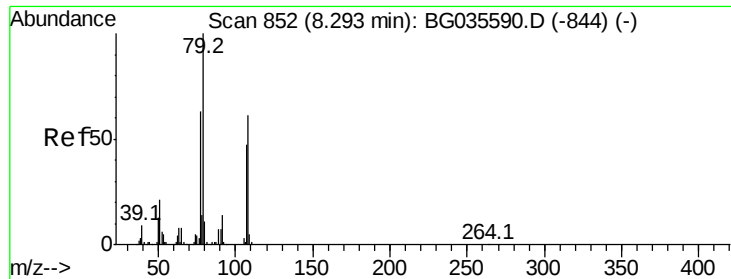


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 1.751 ng

RT: 8.32 min Scan# 857

Delta R.T. 0.06 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

Instrument :

BNA_G

ClientSampleId :

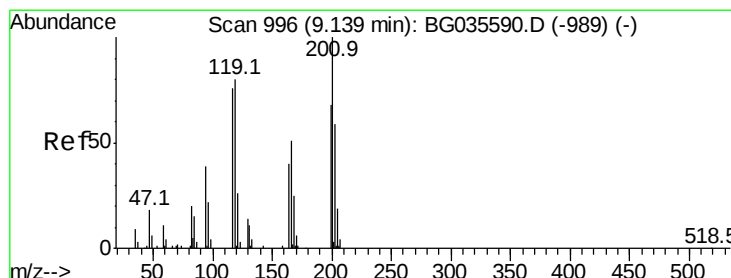
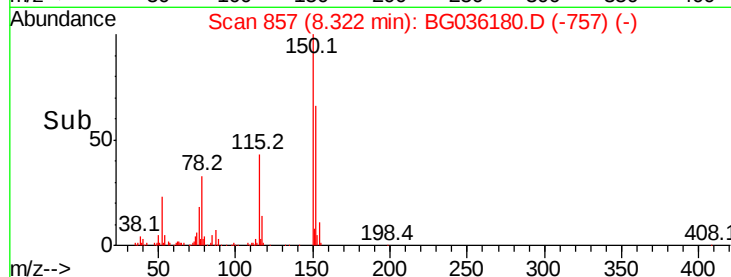
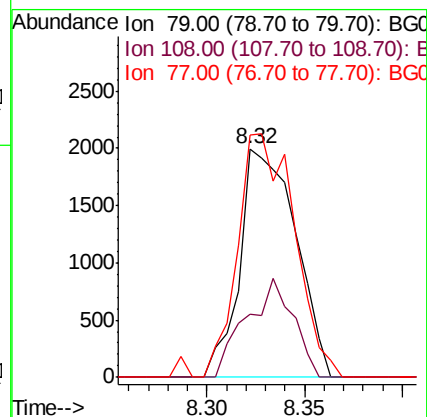
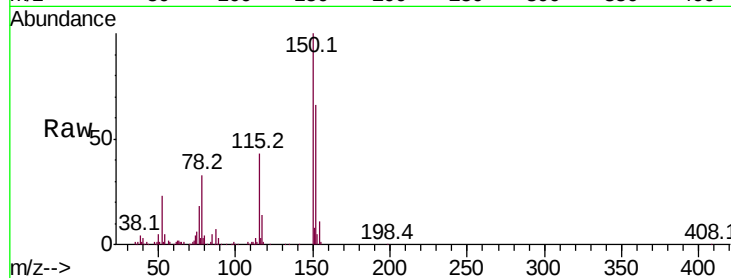
Tot Ion: 79 Resp: 3964

Ion Ratio Lower Upper

79 100

108 27.5 57.2 85.8#

77 106.2 46.1 69.1#



#18

Hexachloroethane

Concen: 0.066 ng

RT: 8.66 min Scan# 914

Delta R.T. -0.45 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

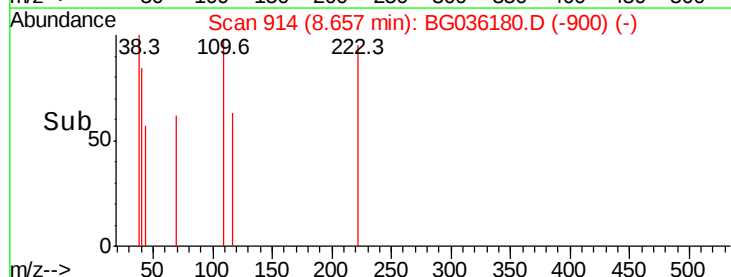
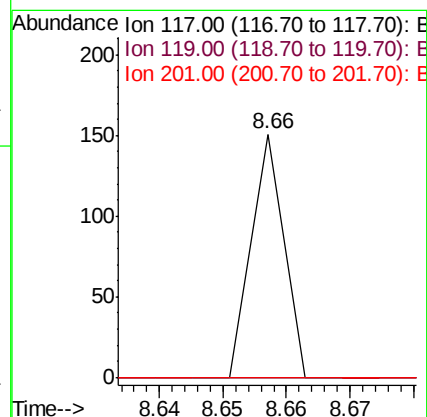
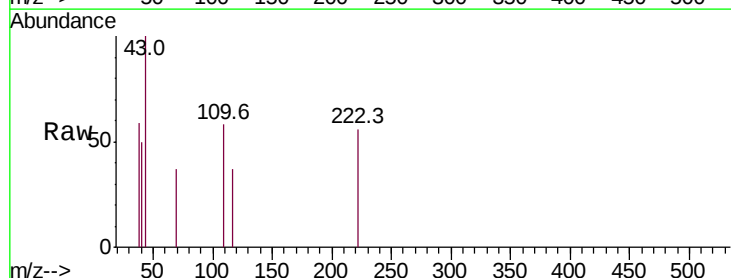
Tgt Ion: 117 Resp: 53

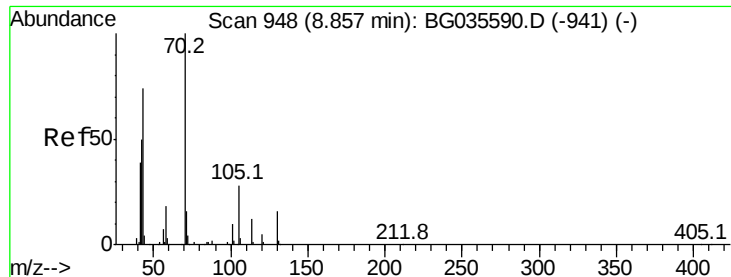
Ion Ratio Lower Upper

117 100

119 0.0 76.7 115.1#

201 0.0 95.7 143.5#

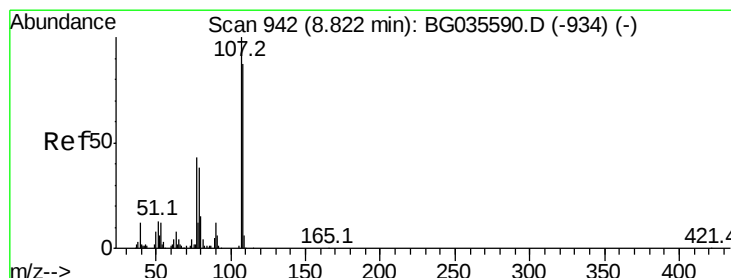
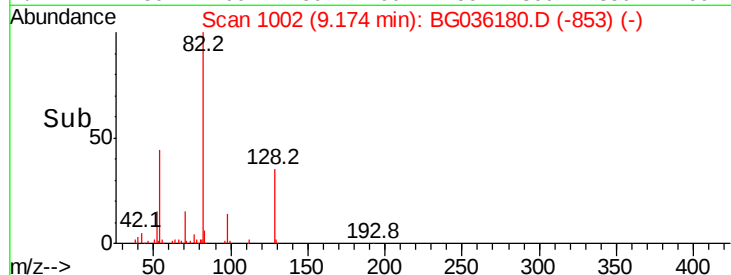
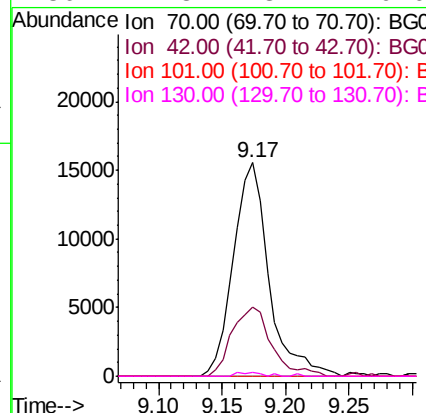
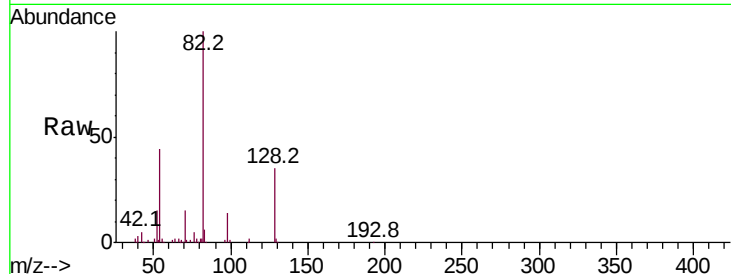




#19
n-Nitroso-di-n-propylamine
Concen: 14.412 ng
RT: 9.17 min Scan# 1002
Delta R.T. 0.34 min
Lab File: BG036180.D
Acq: 8 Aug 2018 2:55

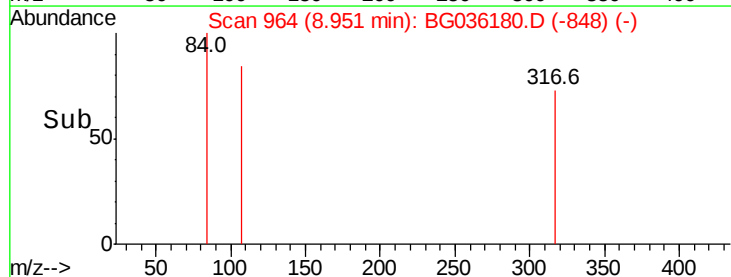
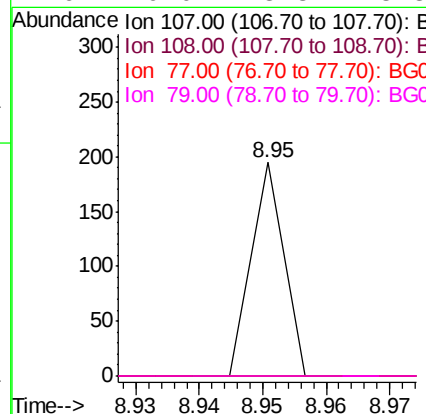
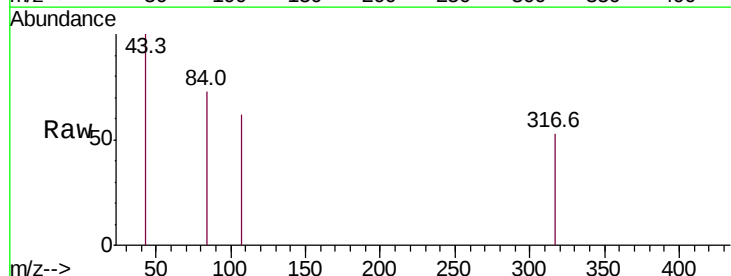
Instrument :
BNA_G
ClientSampleId :

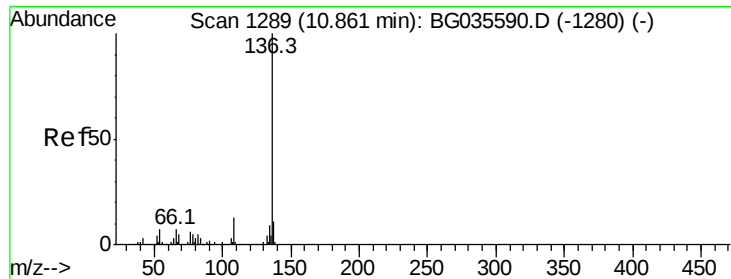
Tot Ion: 70 Resp: 30251
Ion Ratio Lower Upper
70 100
42 32.3 49.1 73.7#
101 0.0 8.5 12.7#
130 1.8 13.4 20.0#



#20
3+4-Methylphenols
Concen: 0.029 ng
RT: 8.95 min Scan# 964
Delta R.T. 0.15 min
Lab File: BG036180.D
Acq: 8 Aug 2018 2:55

Tgt Ion: 107 Resp: 69
Ion Ratio Lower Upper
107 100
108 0.0 61.6 101.6#
77 0.0 13.9 53.9#
79 0.0 8.8 48.8#

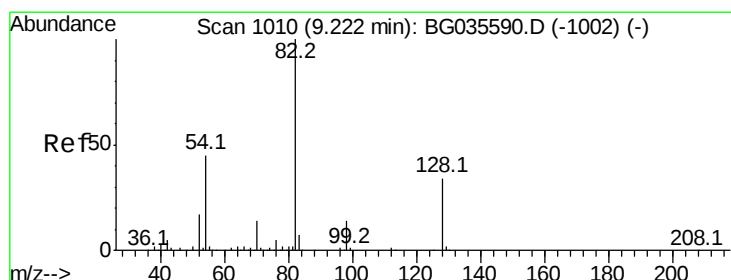
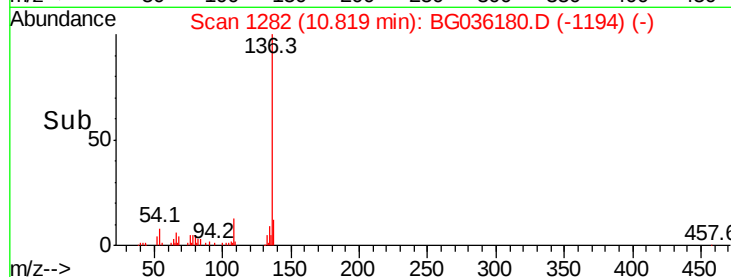
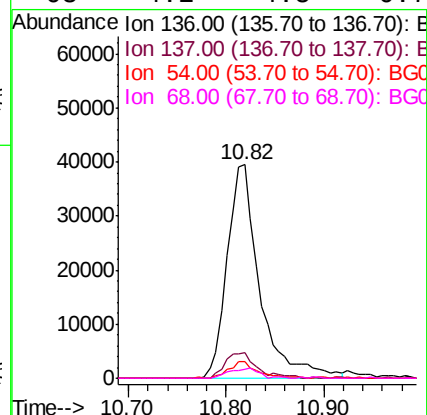
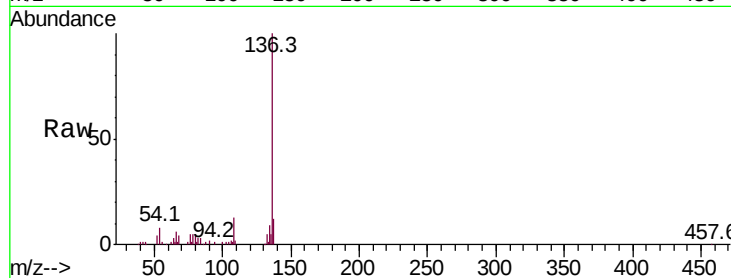




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BG036180.D
Acq: 8 Aug 2018 2:55

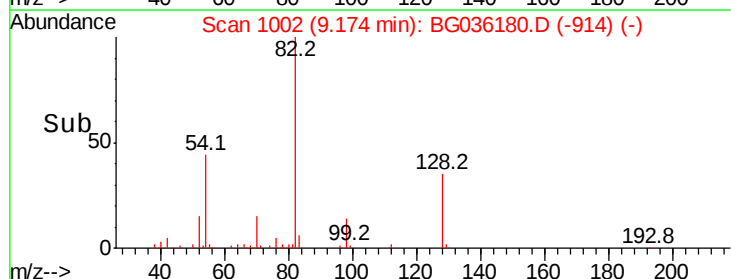
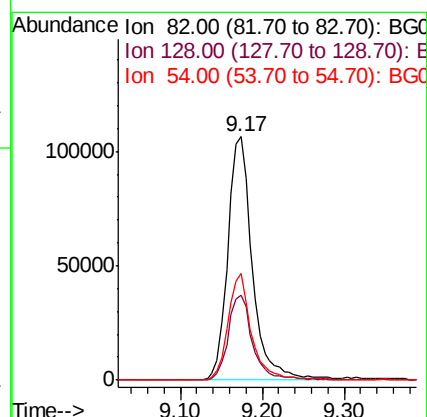
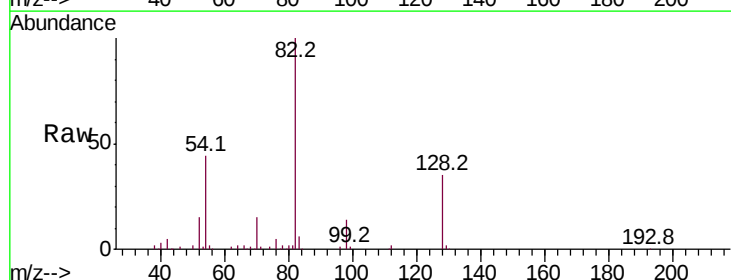
Instrument :
BNA_G
ClientSampleId :

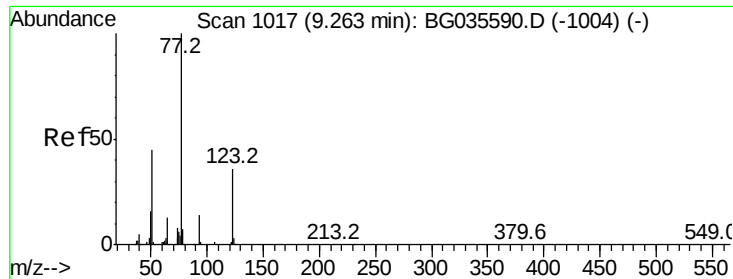
Tot Ion:	136	Resp:	91567
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.2	13.8
54	7.7	10.3	15.5#
68	4.2	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 101.929 ng
RT: 9.17 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BG036180.D
Acq: 8 Aug 2018 2:55

Tgt Ion:	82	Resp:	223420
Ion	Ratio	Lower	Upper
82	100		
128	34.8	29.7	44.5
54	44.0	43.1	64.7

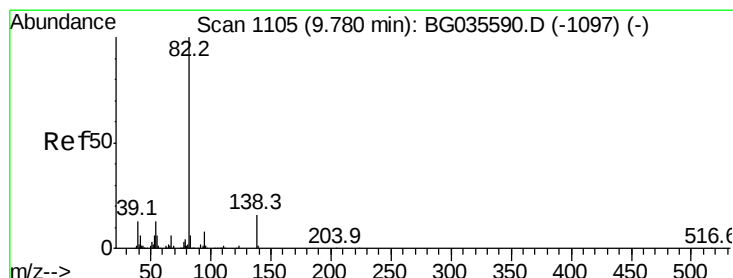
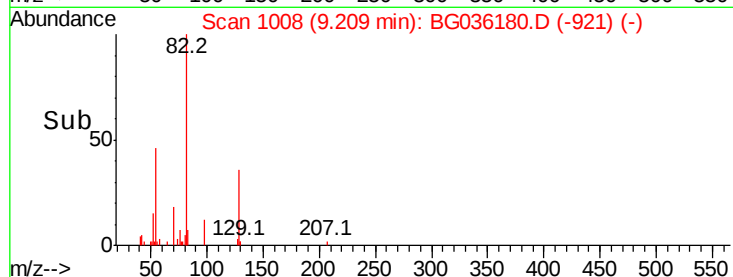
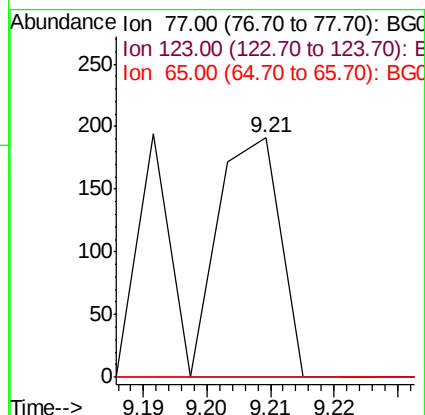
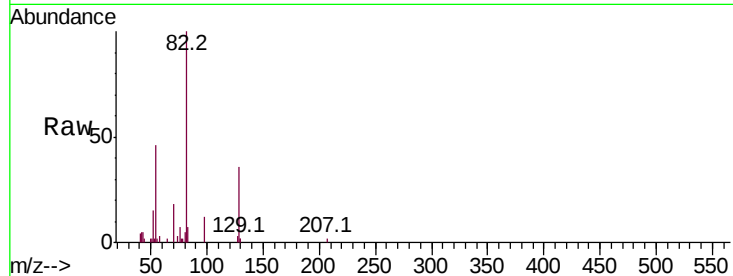




#24
Nitrobenzene
Concen: 0.058 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BG036180.D
Acq: 8 Aug 2018 2:55

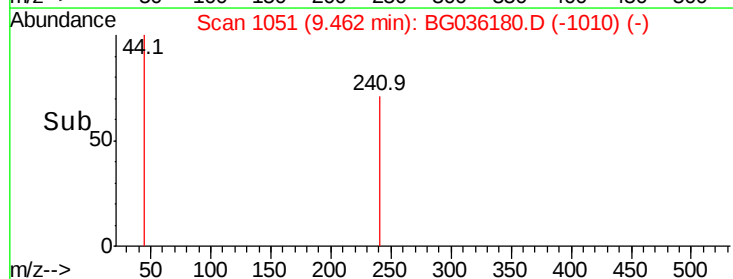
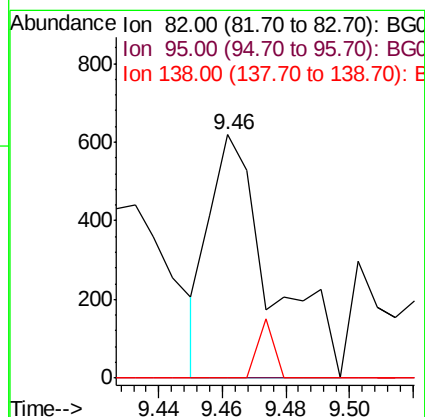
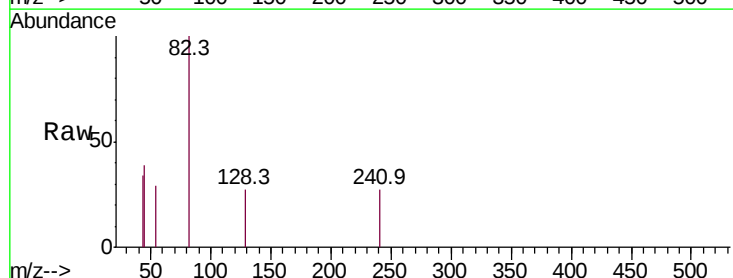
Instrument :
BNA_G
ClientSampleId :

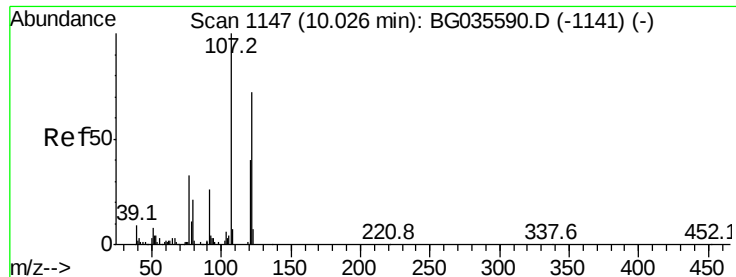
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.0	49.6#
65	0.0	13.0	19.6#



#25
Isophorone
Concen: 0.205 ng
RT: 9.46 min Scan# 1051
Delta R.T. -0.29 min
Lab File: BG036180.D
Acq: 8 Aug 2018 2:55

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.2	9.2#
138	0.0	12.1	18.1#

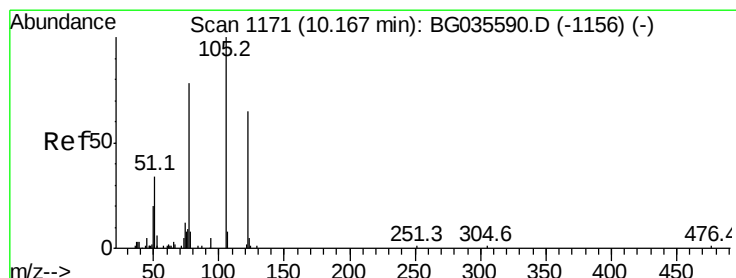
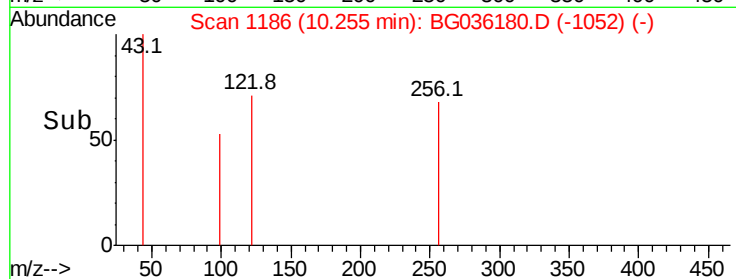
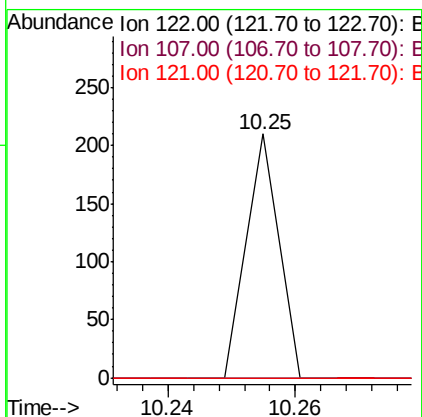
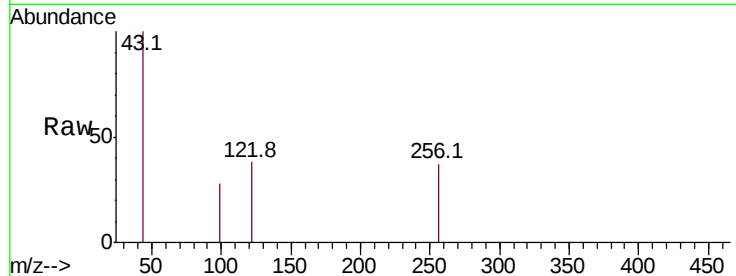




#27
2,4-Dimethylphenol
Concen: 0.056 ng
RT: 10.25 min Scan# 1186
Delta R.T. 0.26 min
Lab File: BG036180.D
Acq: 8 Aug 2018 2:55

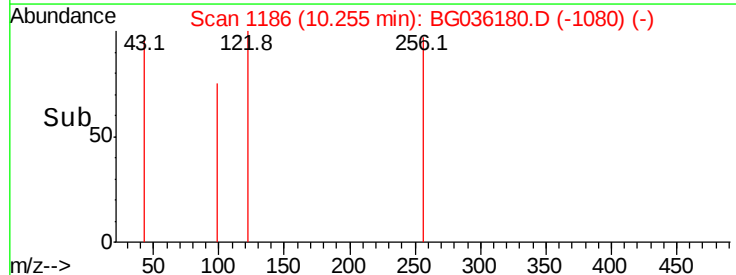
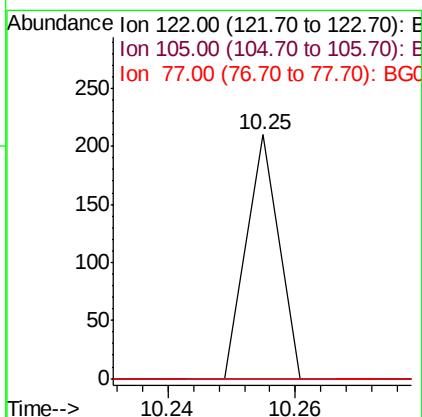
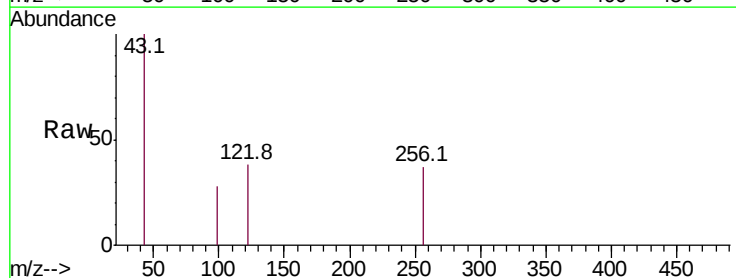
Instrument :
BNA_G
ClientSampleId :

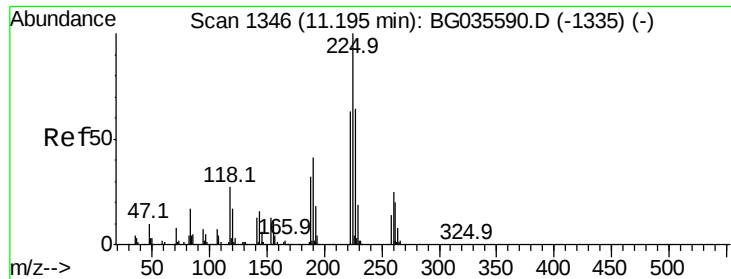
Tot Ion	Ratio	Lower	Upper
122	100		
107	0.0	100.2	150.2#
121	0.0	44.4	66.6#



#32
Benzoic acid
Concen: 0.083 ng
RT: 10.25 min Scan# 1186
Delta R.T. 0.09 min
Lab File: BG036180.D
Acq: 8 Aug 2018 2:55

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#

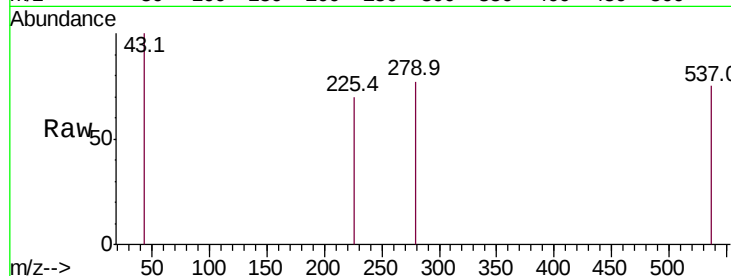




#34
Hexachlorobutadiene
Concen: 0.037 ng
RT: 11.46 min Scan# 1391
Delta R.T. 0.30 min
Lab File: BG036180.D
Acq: 8 Aug 2018 2:55

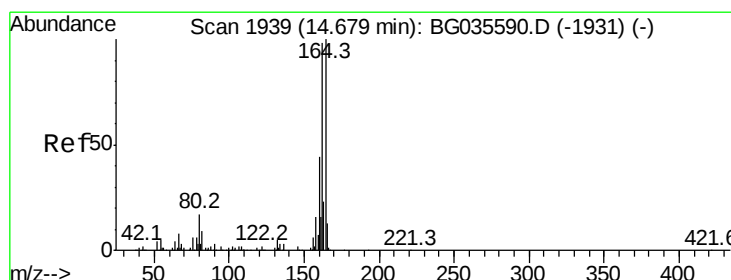
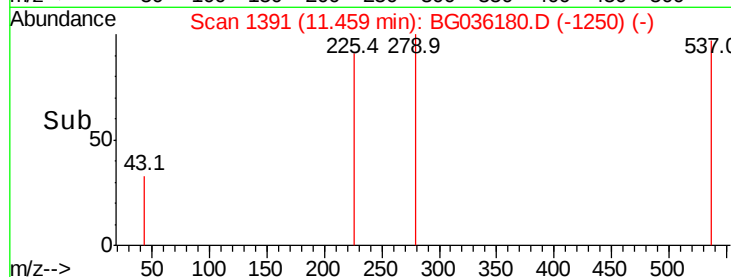
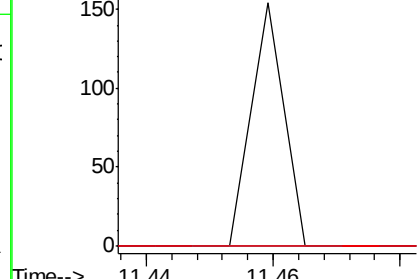
Instrument :
BNA_G
ClientSampleId :

Tot Ion:225 Resp: 54
Ion Ratio Lower Upper
225 100
223 0.0 49.7 74.5#
227 0.0 48.1 72.1#



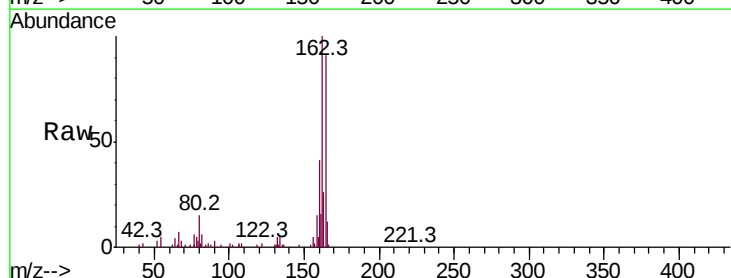
Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

11.46



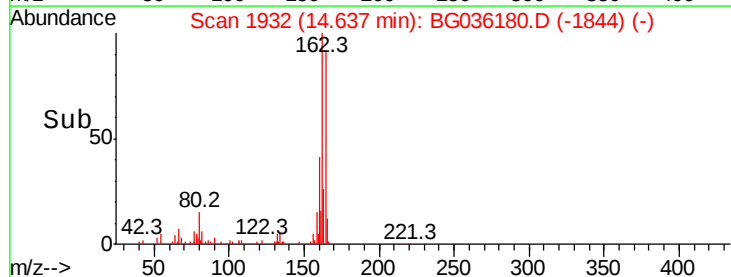
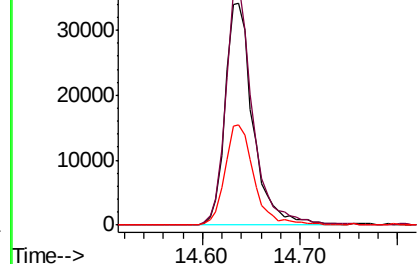
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BG036180.D
Acq: 8 Aug 2018 2:55

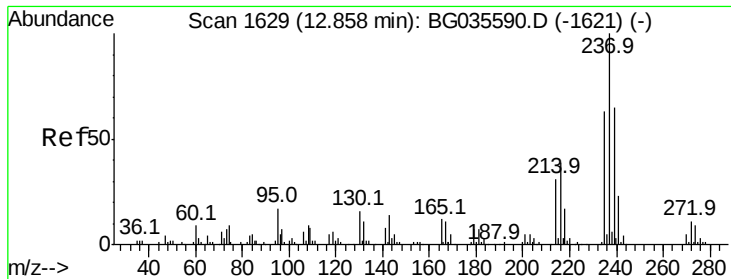
Tgt Ion:164 Resp: 67411
Ion Ratio Lower Upper
164 100
162 110.0 78.8 118.2
160 45.2 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

14.64





#40

Hexachlorocyclopentadiene

Concen: 0.043 ng

RT: 13.07 min Scan# 1665

Delta R.T. 0.24 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

Instrument :

BNA_G

ClientSampleId :

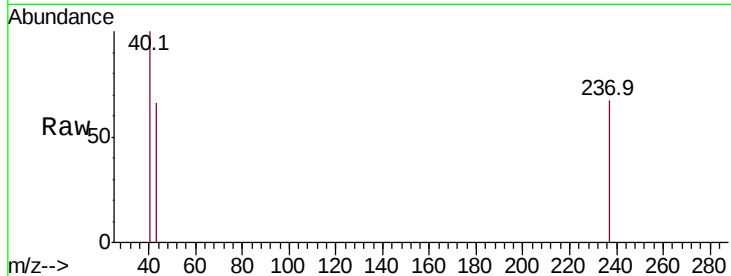
Tot Ion:237 Resp: 57

Ion Ratio Lower Upper

237 100

235 0.0 50.4 90.4#

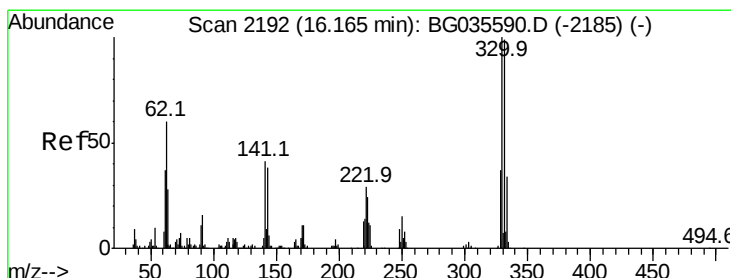
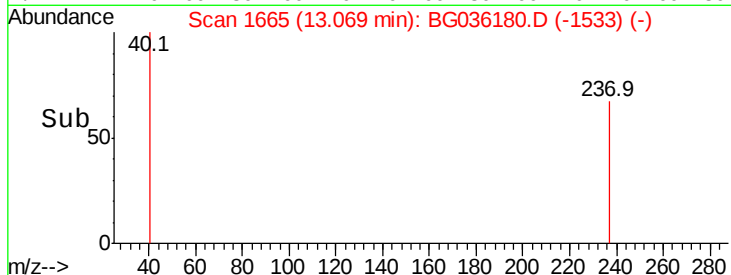
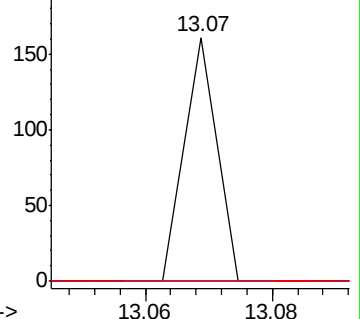
272 0.0 0.0 31.8



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: 192.424 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

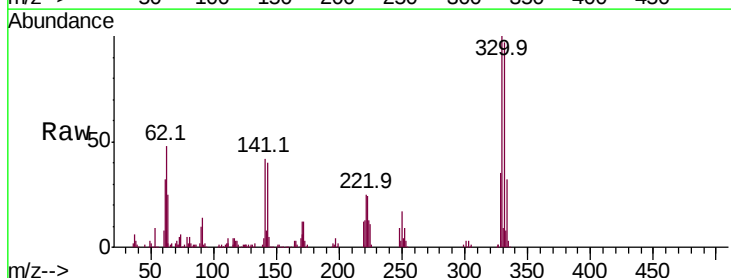
Tgt Ion:330 Resp: 170973

Ion Ratio Lower Upper

330 100

332 94.3 77.0 115.6

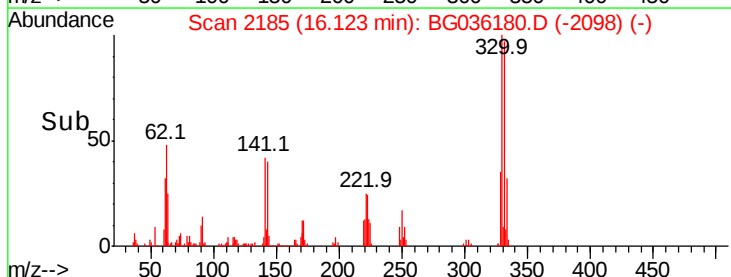
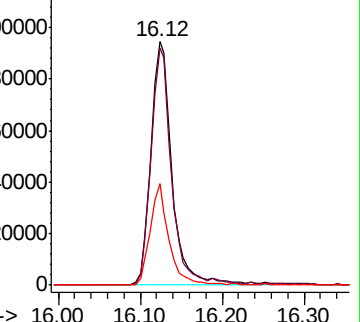
141 36.5 25.2 37.8

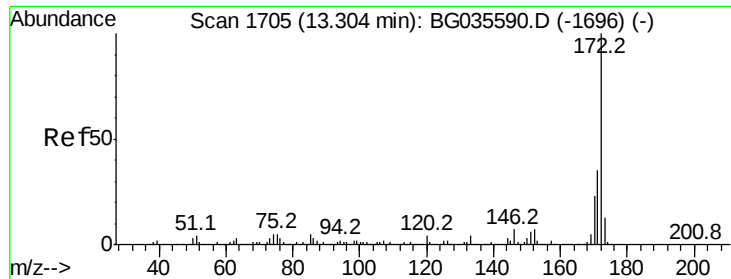


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

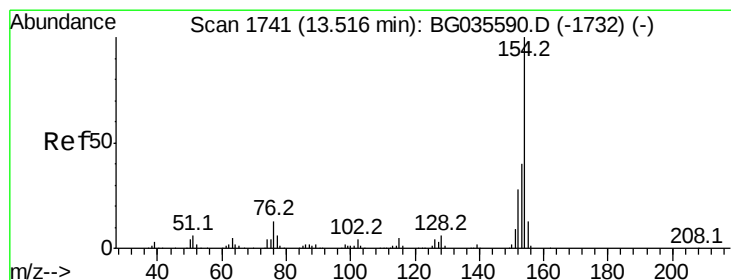
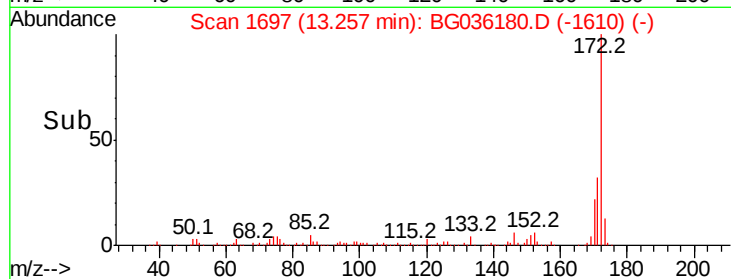
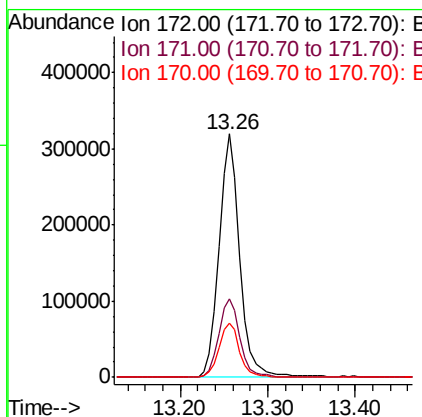
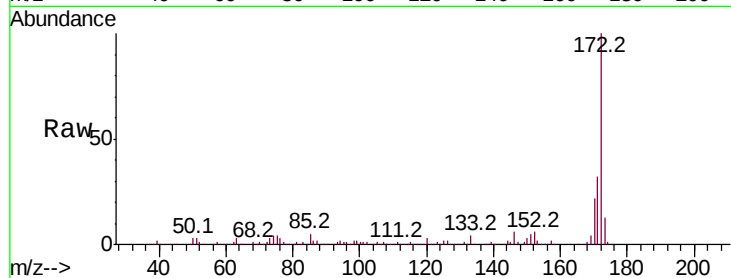




#44
2-Fluorobiphenyl
Concen: 104.302 ng
RT: 13.26 min Scan# 1697
Delta R.T. -0.02 min
Lab File: BG036180.D
Acq: 8 Aug 2018 2:55

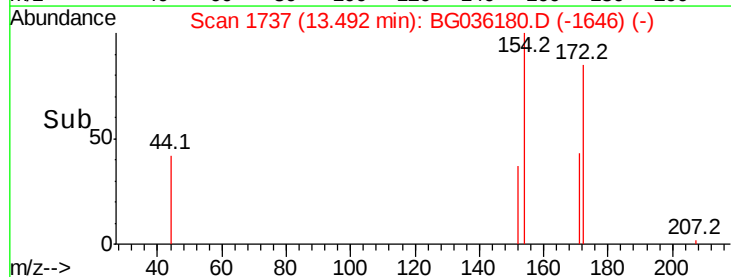
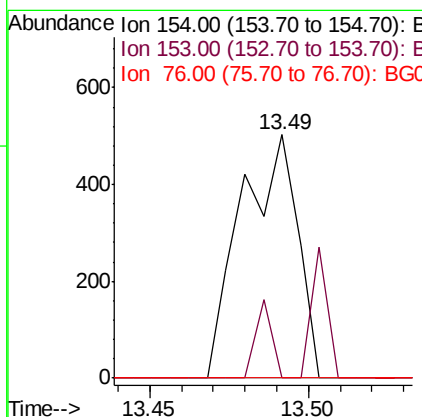
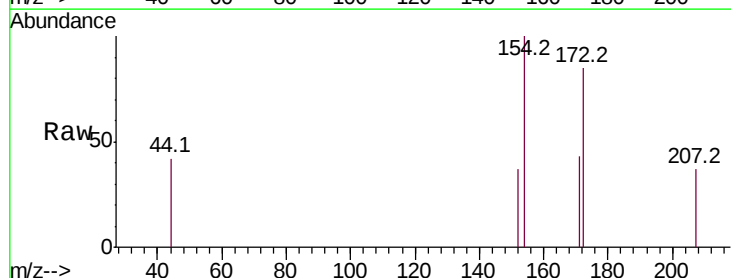
Instrument :
BNA_G
ClientSampleId :

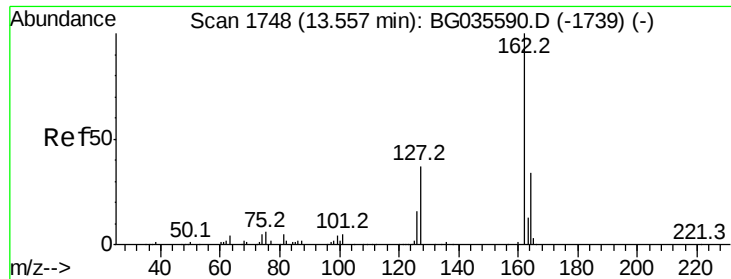
Tot Ion	Ratio	Lower	Upper
172	100		
171	32.2	30.0	45.0
170	22.3	19.5	29.3



#45
1,1'-Biphenyl
Concen: 0.118 ng
RT: 13.49 min Scan# 1737
Delta R.T. 0.00 min
Lab File: BG036180.D
Acq: 8 Aug 2018 2:55

Tgt Ion	Ratio	Lower	Upper
154	100		
153	0.0	19.8	59.8#
76	0.0	0.0	31.9

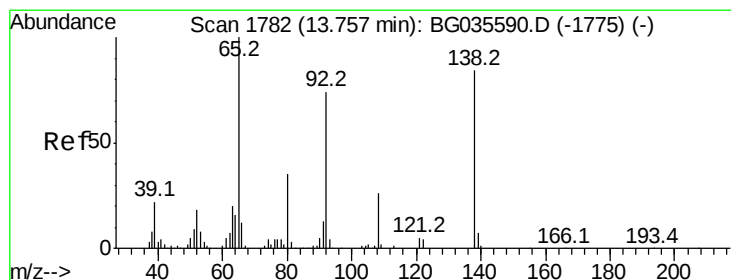
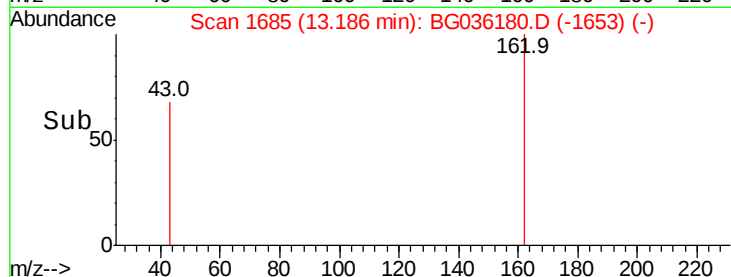
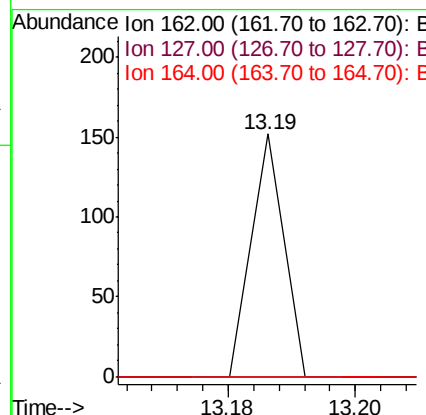
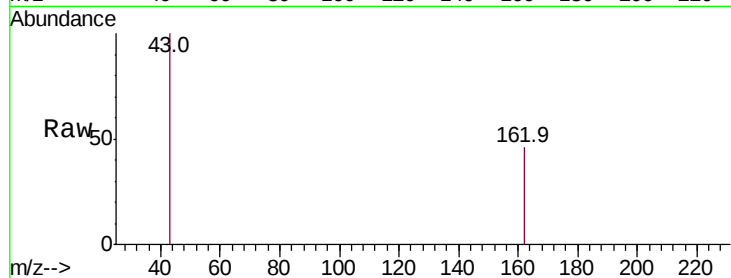




#46
2-Chloronaphthalene
Concen: 0.013 ng
RT: 13.19 min Scan# 1685
Delta R.T. -0.34 min
Lab File: BG036180.D
Acq: 8 Aug 2018 2:55

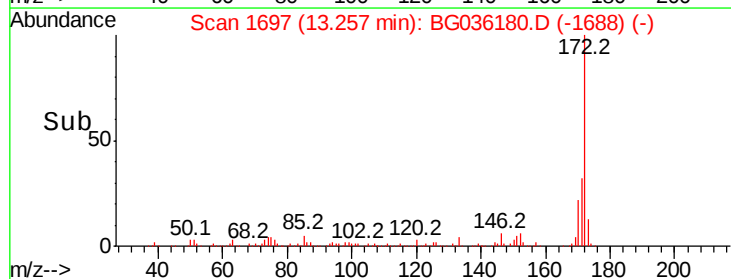
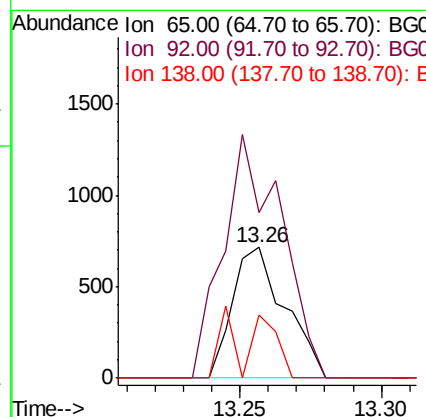
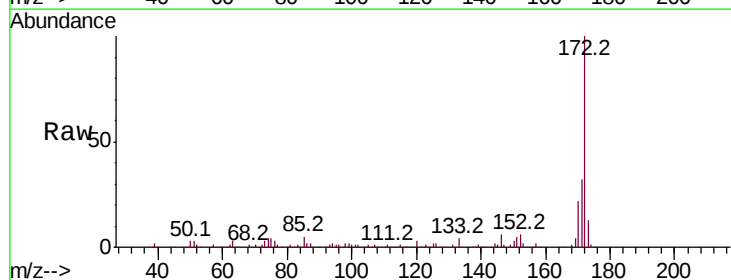
Instrument :
BNA_G
ClientSampleId :

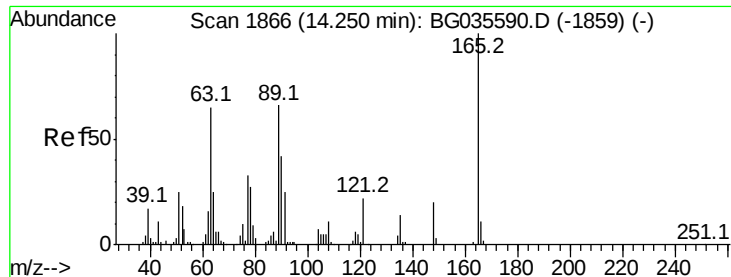
Tot Ion	Ratio	Lower	Upper
162	100		
127	0.0	30.7	46.1#
164	0.0	26.0	39.0#



#47
2-Nitroaniline
Concen: 0.638 ng
RT: 13.26 min Scan# 1697
Delta R.T. -0.48 min
Lab File: BG036180.D
Acq: 8 Aug 2018 2:55

Tgt Ion	Ratio	Lower	Upper
65	100		
92	126.9	54.6	82.0#
138	48.0	72.9	109.3#

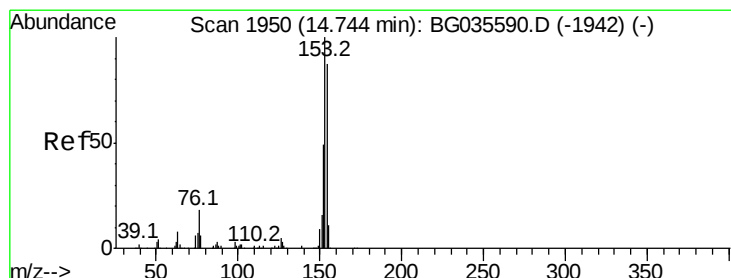
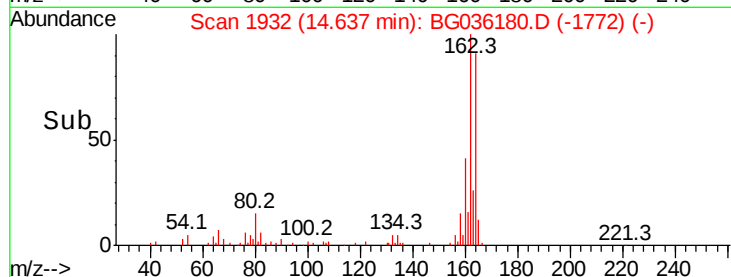
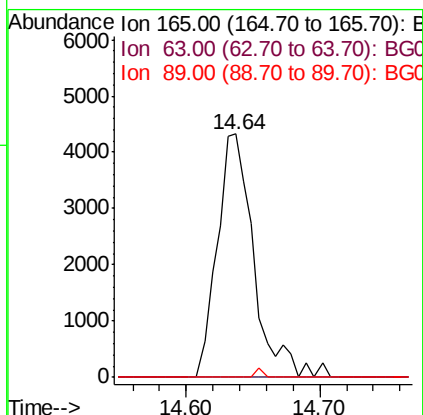
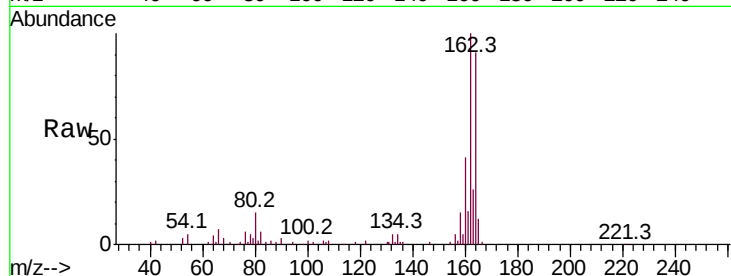




#50
2,6-Dinitrotoluene
Concen: 6.913 ng
RT: 14.64 min Scan# 1932
Delta R.T. 0.41 min
Lab File: BG036180.D
Acq: 8 Aug 2018 2:55

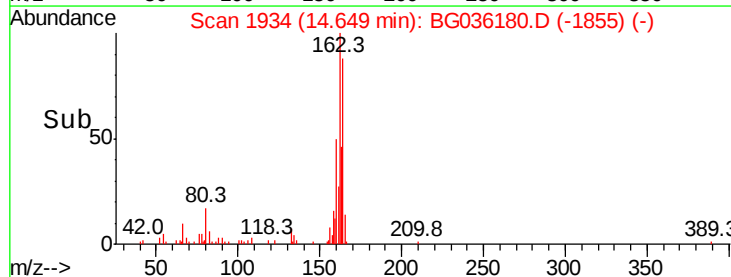
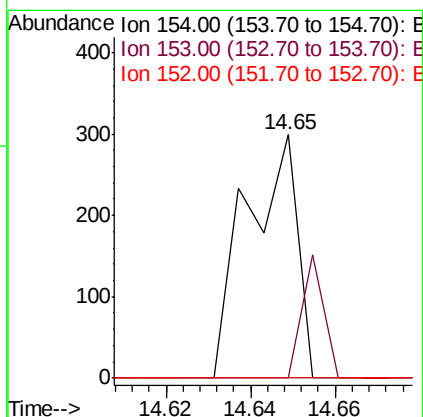
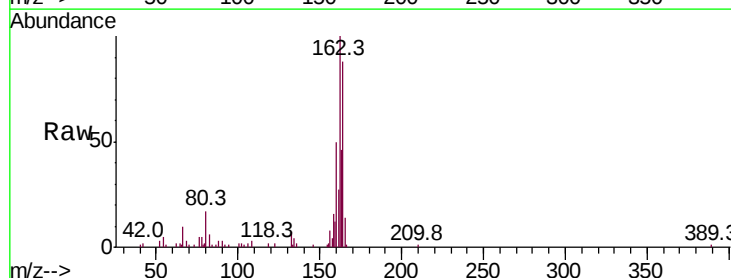
Instrument :
BNA_G
ClientSampleId :

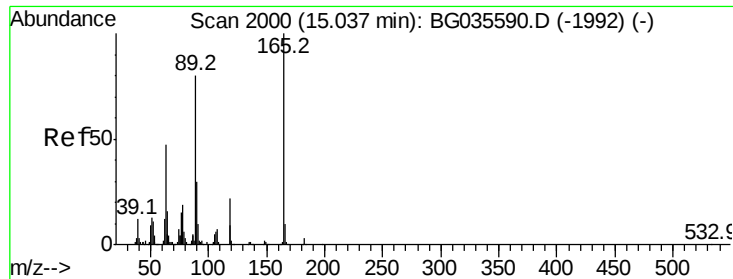
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#



#51
Acenaphthene
Concen: 0.059 ng
RT: 14.65 min Scan# 1934
Delta R.T. -0.07 min
Lab File: BG036180.D
Acq: 8 Aug 2018 2:55

Tgt Ion	Ratio	Lower	Upper
154	100		
153	0.0	90.4	135.6#
152	0.0	41.6	62.4#

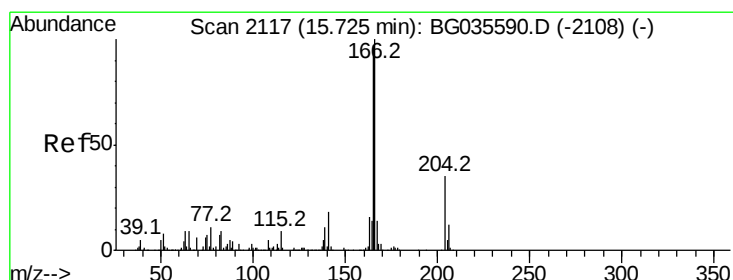
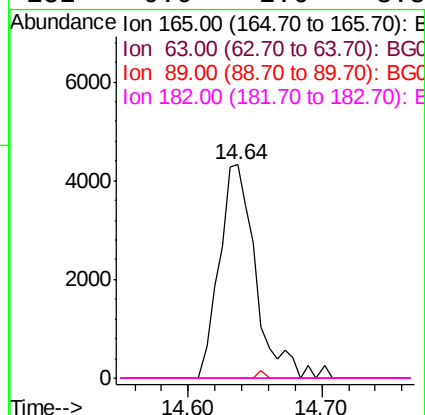
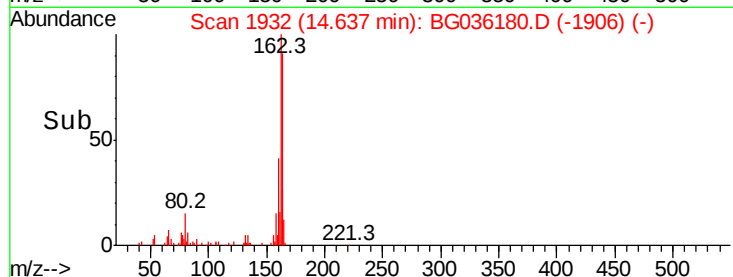
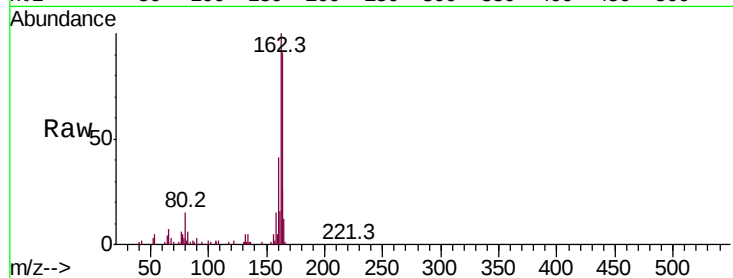




#56
2,4-Dinitrotoluene
Concen: 4.819 ng
RT: 14.64 min Scan# 1932
Delta R.T. -0.38 min
Lab File: BG036180.D
Acq: 8 Aug 2018 2:55

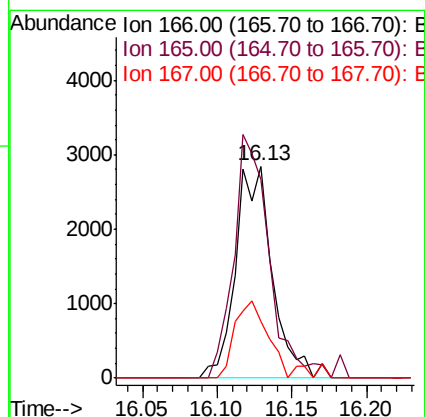
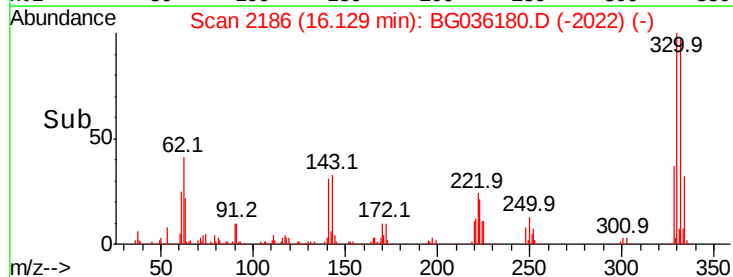
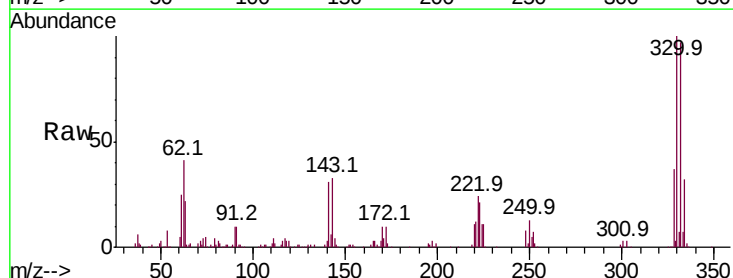
Instrument :
BNA_G
ClientSampleId :

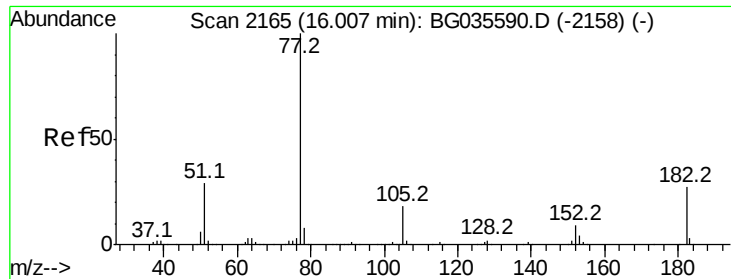
Tot Ion:165 Resp: 8315
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#



#57
Fluorene
Concen: 0.868 ng
RT: 16.13 min Scan# 2186
Delta R.T. 0.43 min
Lab File: BG036180.D
Acq: 8 Aug 2018 2:55

Tgt Ion:166 Resp: 4907
Ion Ratio Lower Upper
166 100
165 93.7 80.6 121.0
167 27.1 10.4 15.6#





#62

Azobenzene

Concen: 0.020 ng

RT: 15.93 min Scan# 2152

Delta R.T. -0.05 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

Instrument :

BNA_G

ClientSampled :

Tot Ion: 77 Resp: 117

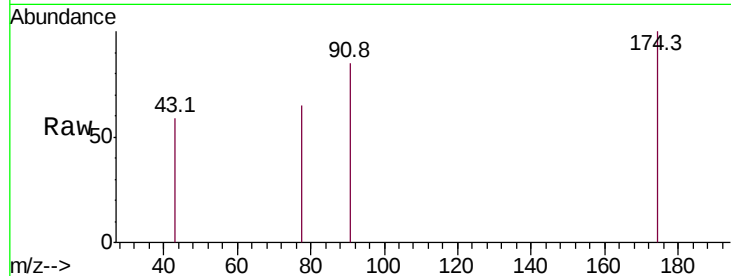
Ion Ratio Lower Upper

77 100

182 0.0 7.4 47.4#

105 0.0 0.3 40.3#

51 0.0 11.6 51.6#

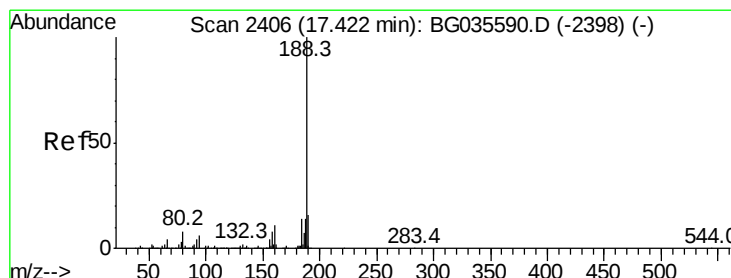
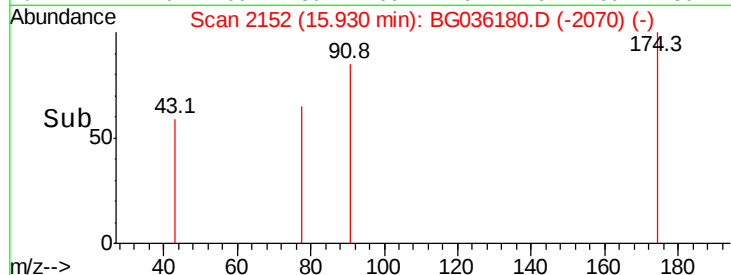
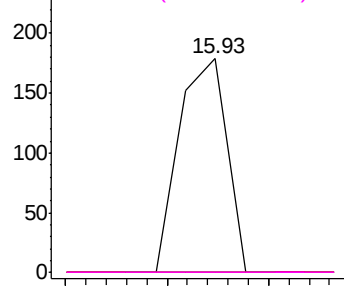


Abundance Ion 77.00 (76.70 to 77.70): BG

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: 17.38 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

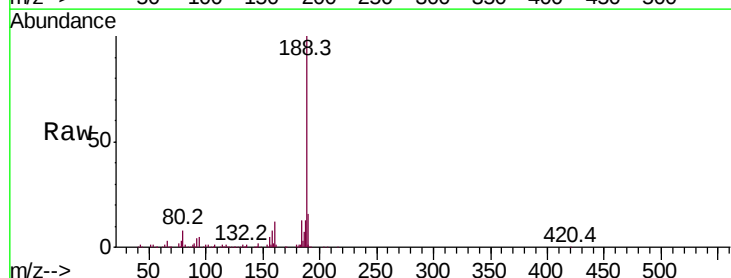
Tgt Ion: 188 Resp: 201168

Ion Ratio Lower Upper

188 100

94 5.4 6.9 10.3#

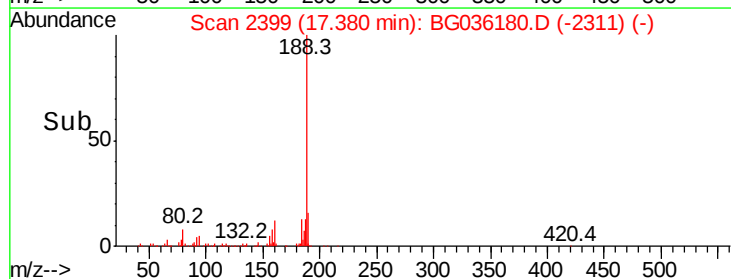
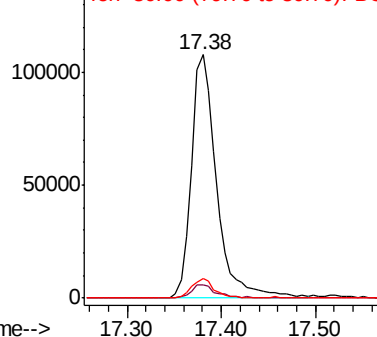
80 8.1 7.7 11.5

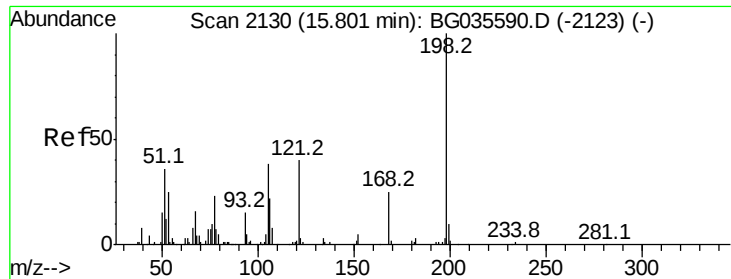


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

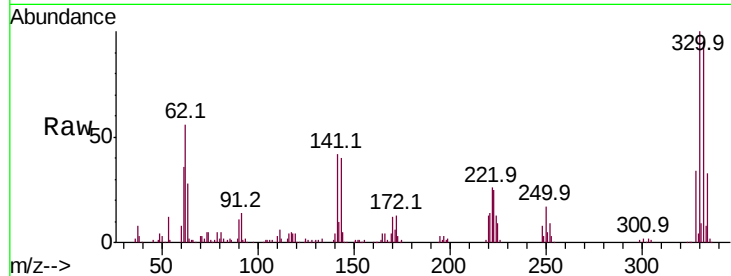




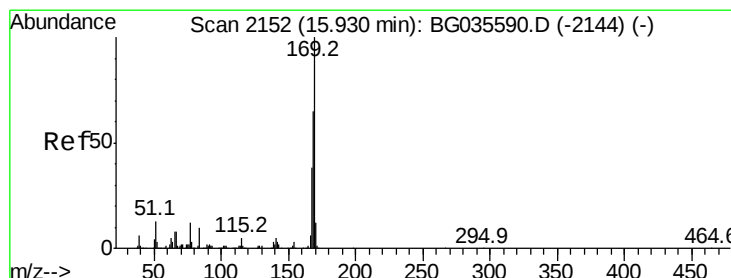
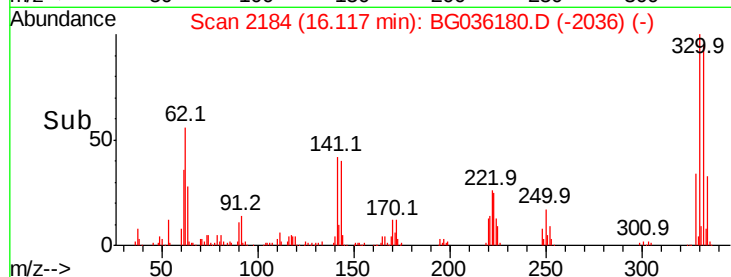
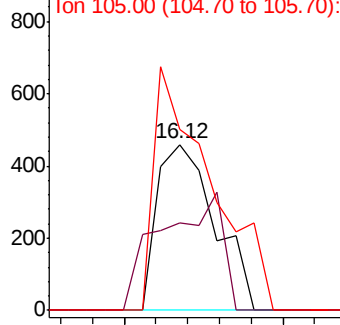
#64
4,6-Dinitro-2-methylphenol
Concen: 0.517 ng
RT: 16.12 min Scan# 2184
Delta R.T. 0.34 min
Lab File: BG036180.D
Acq: 8 Aug 2018 2:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:198 Resp: 579
Ion Ratio Lower Upper
198 100
51 53.0 30.6 70.6
105 109.1 23.8 63.8#

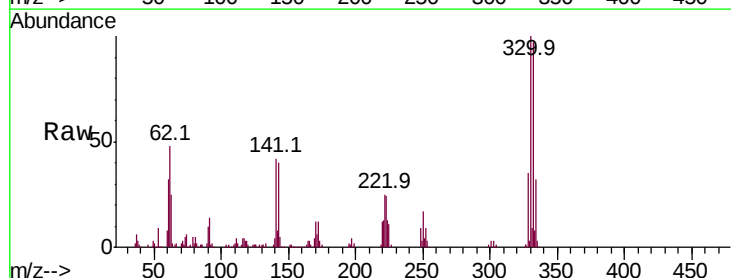


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG0
Ion 105.00 (104.70 to 105.70): E

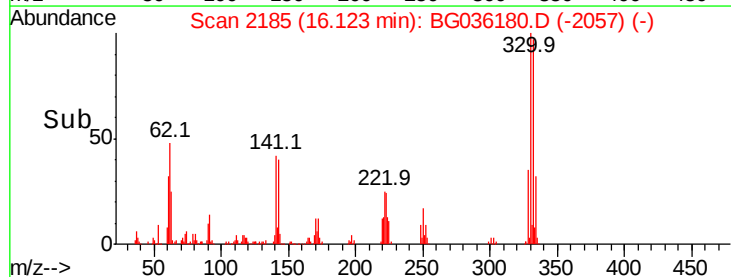
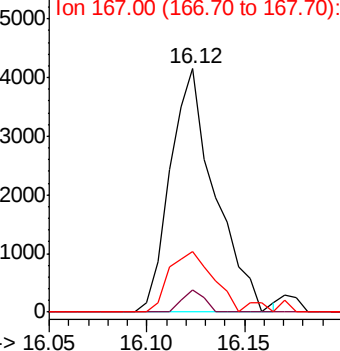


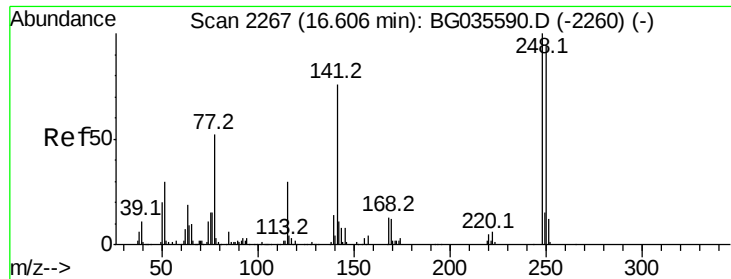
#65
n-Nitrosodiphenylamine
Concen: 1.149 ng
RT: 16.12 min Scan# 2185
Delta R.T. 0.22 min
Lab File: BG036180.D
Acq: 8 Aug 2018 2:55

Tgt Ion:169 Resp: 6578
Ion Ratio Lower Upper
169 100
168 8.8 55.7 83.5#
167 25.1 30.1 45.1#



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

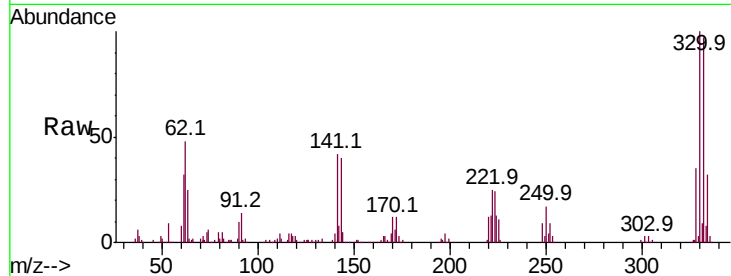




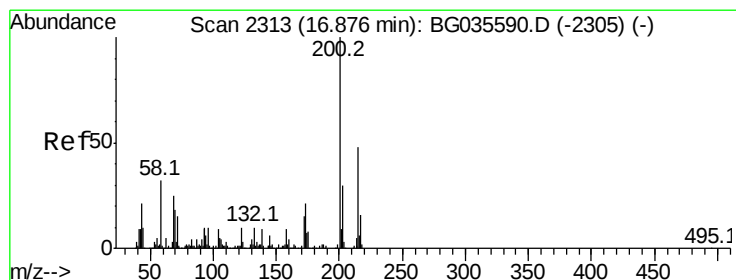
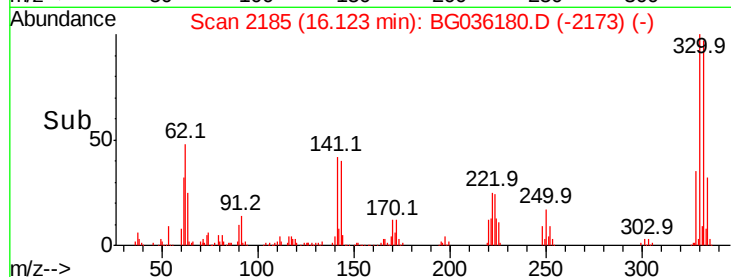
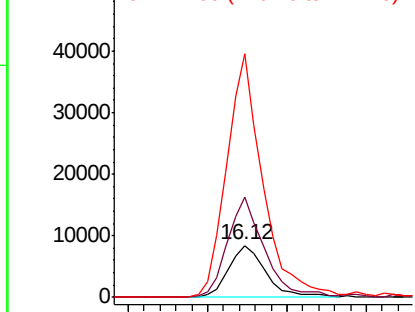
#66
4-Bromophenyl-phenylether
Concen: 5.794 ng
RT: 16.12 min Scan# 2185
Delta R.T. -0.46 min
Lab File: BG036180.D
Acq: 8 Aug 2018 2:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 13523
Ion Ratio Lower Upper
248 100
250 193.0 77.1 115.7#
141 467.8 50.8 76.2#

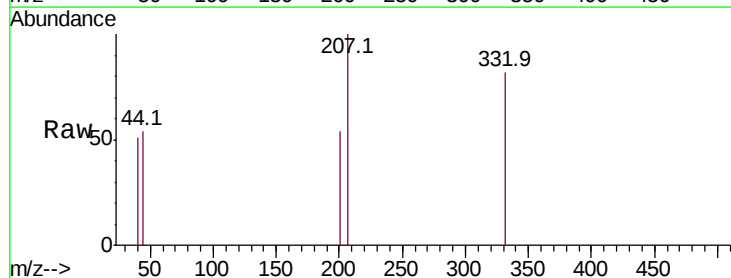


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

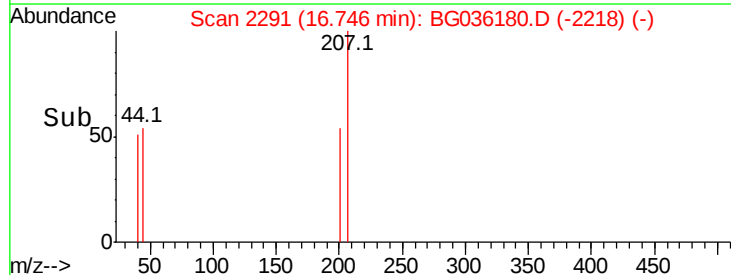
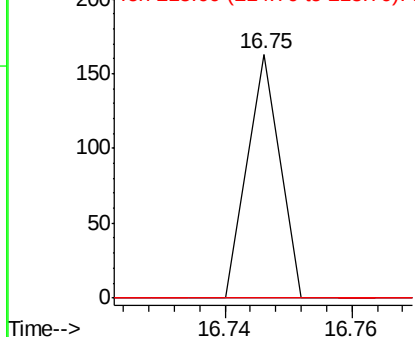


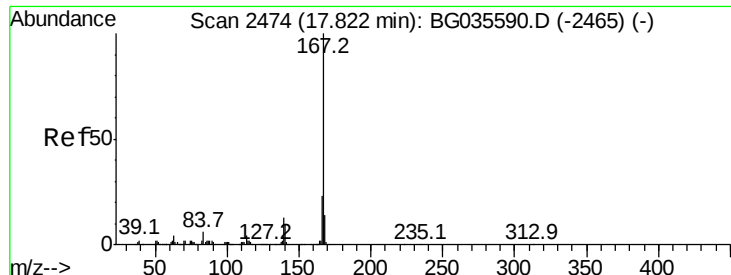
#68
Atrazine
Concen: 0.024 ng
RT: 16.75 min Scan# 2291
Delta R.T. -0.10 min
Lab File: BG036180.D
Acq: 8 Aug 2018 2:55

Tgt Ion:200 Resp: 57
Ion Ratio Lower Upper
200 100
173 0.0 5.2 45.2#
215 0.0 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





#72

Carbazole

Concen: 0.006 ng

RT: 17.91 min Scan# 2489

Delta R.T. 0.11 min

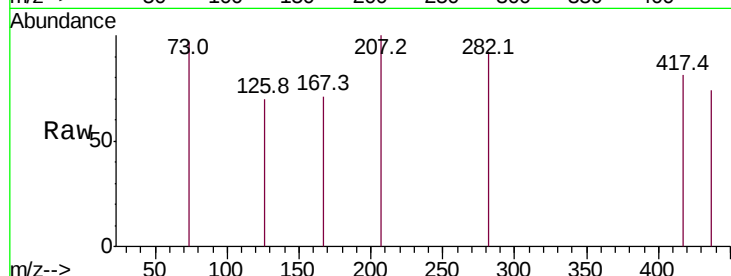
Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

Instrument :

BNA_G

ClientSampleId :



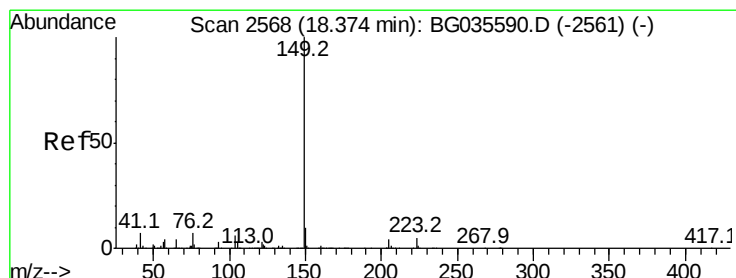
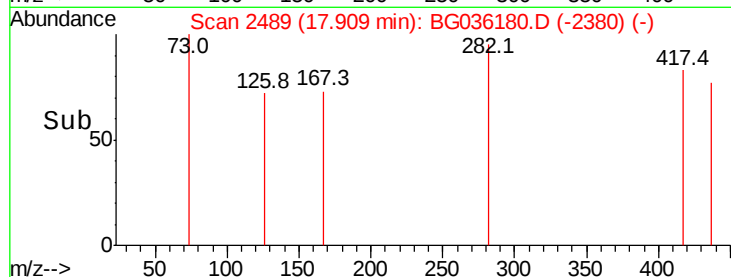
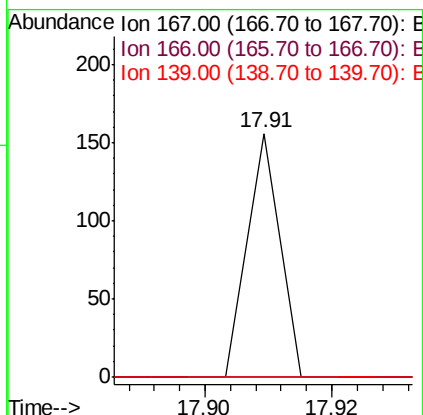
Tot Ion:167 Resp: 55

Ion Ratio Lower Upper

167 100

166 0.0 18.2 27.4#

139 0.0 9.4 14.2#



#73

Di-n-butylphthalate

Concen: 0.043 ng

RT: 18.36 min Scan# 2566

Delta R.T. 0.01 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

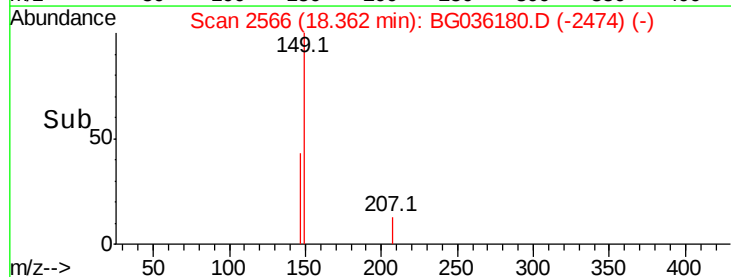
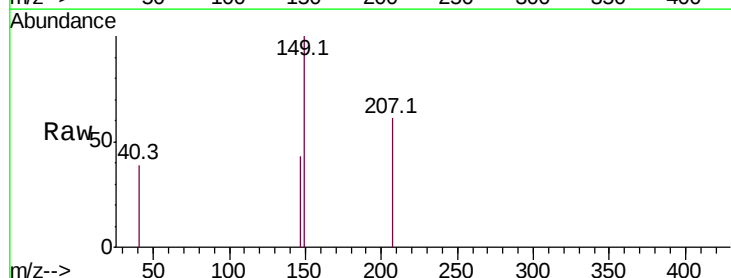
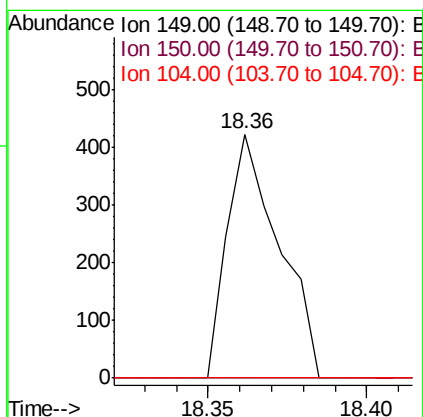
Tgt Ion:149 Resp: 477

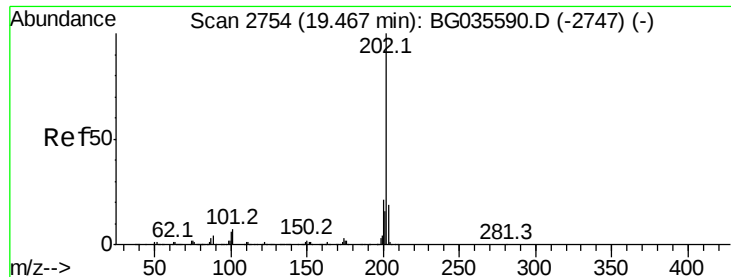
Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

104 0.0 3.9 5.9#





#74

Fluoranthene

Concen: 0.005 ng

RT: 18.93 min Scan# 2662

Delta R.T. -0.52 min

Lab File: BG036180.D

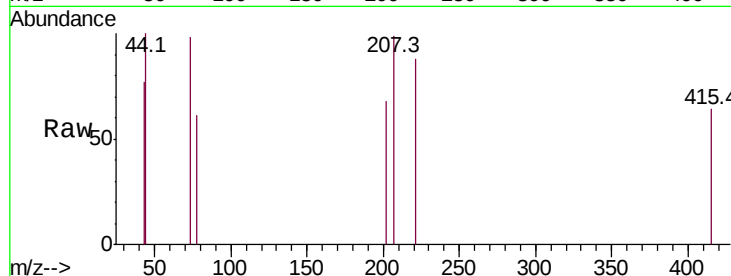
Acq: 8 Aug 2018 2:55

Instrument :

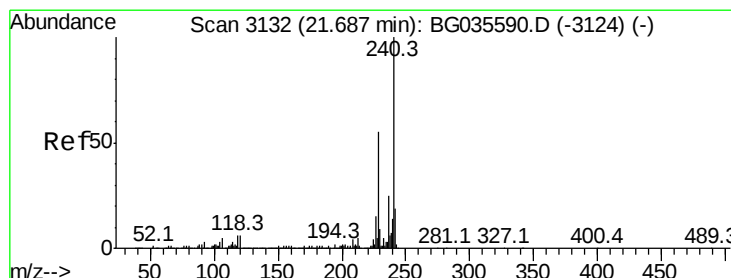
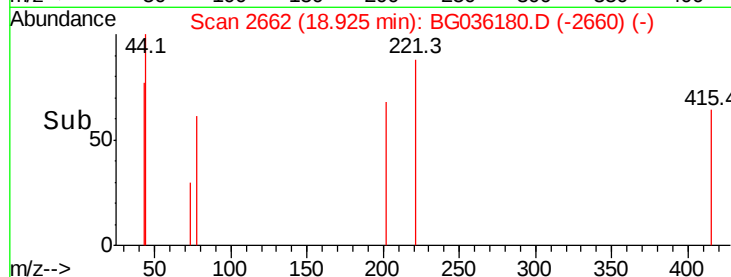
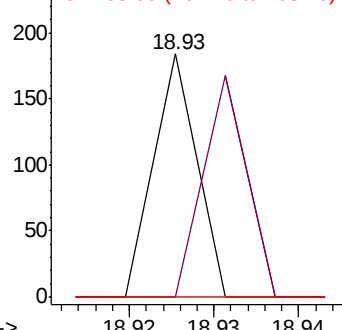
BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	65
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	28.9
203	0.0	0.0	37.5



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

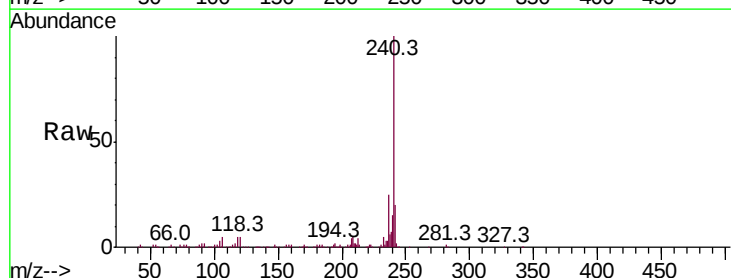
RT: 21.64 min Scan# 3124

Delta R.T. -0.02 min

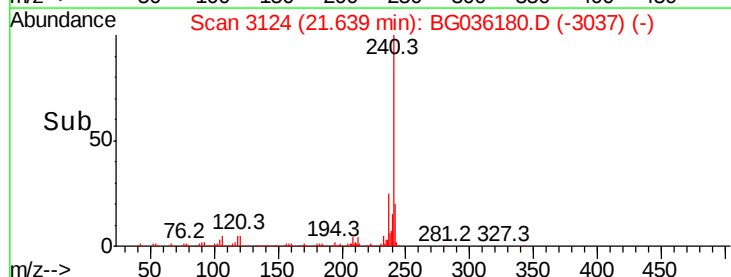
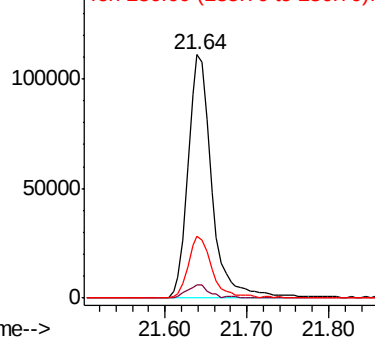
Lab File: BG036180.D

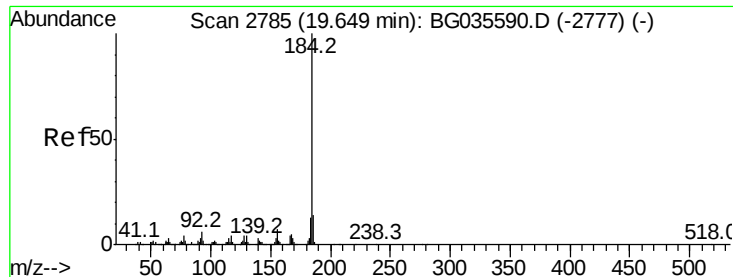
Acq: 8 Aug 2018 2:55

Tgt Ion:	240	Resp:	224710
Ion	Ratio	Lower	Upper
240	100		
120	5.3	6.8	10.2#
236	25.3	20.9	31.3



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: 3.251 ng

RT: 19.99 min Scan# 2843

Delta R.T. 0.36 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

Instrument :

BNA_G

ClientSampleId :

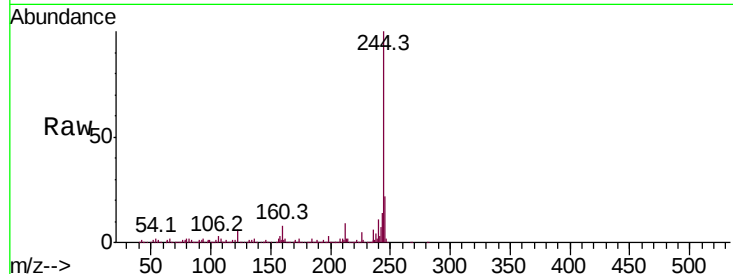
Tot Ion:184 Resp: 19207

Ion Ratio Lower Upper

184 100

185 16.4 11.1 16.7

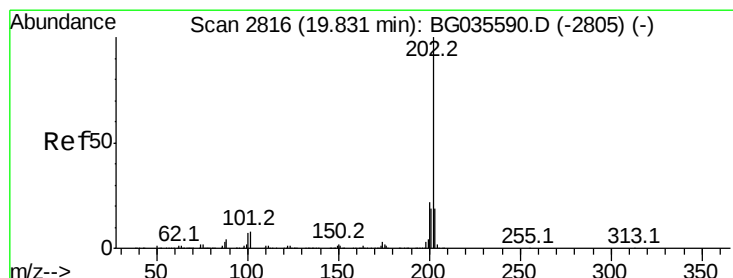
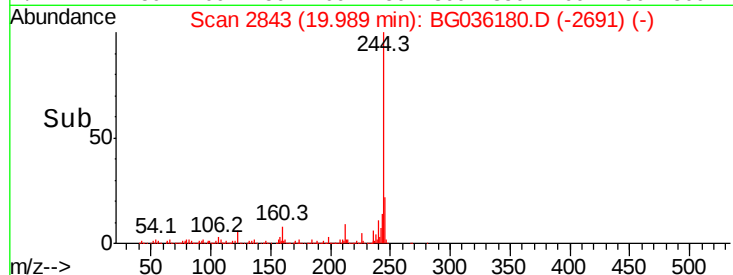
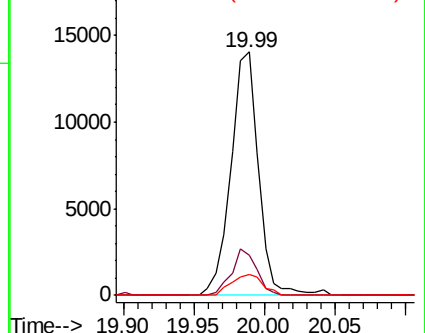
183 8.8 10.6 16.0#



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

Pyrene

Concen: 0.320 ng

RT: 19.98 min Scan# 2842

Delta R.T. 0.17 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

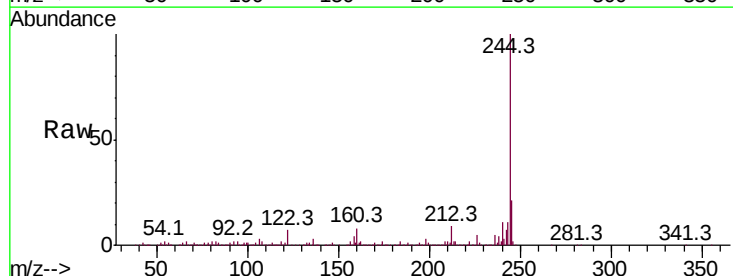
Tgt Ion:202 Resp: 4548

Ion Ratio Lower Upper

202 100

200 48.4 16.9 25.3#

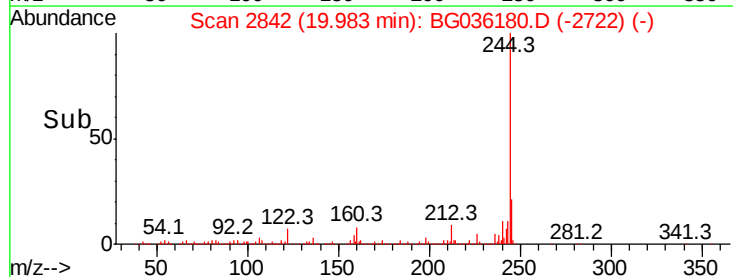
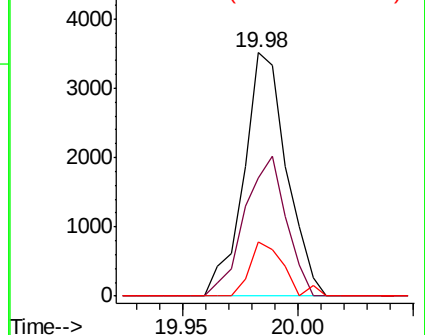
203 22.1 13.9 20.9#

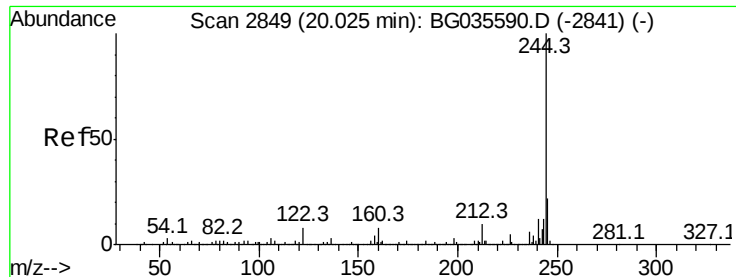


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 108.471 ng

RT: 19.99 min Scan# 2843

Delta R.T. -0.01 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

Instrument :

BNA_G

ClientSampleId :

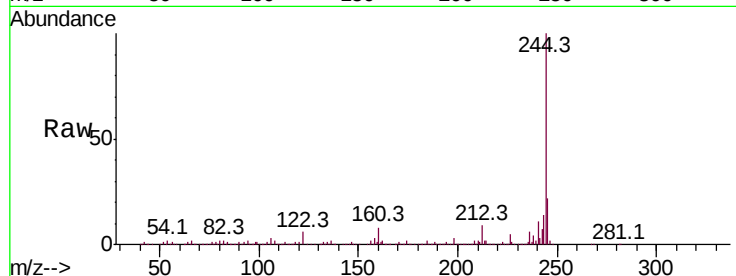
Tot Ion:244 Resp: 1105767

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

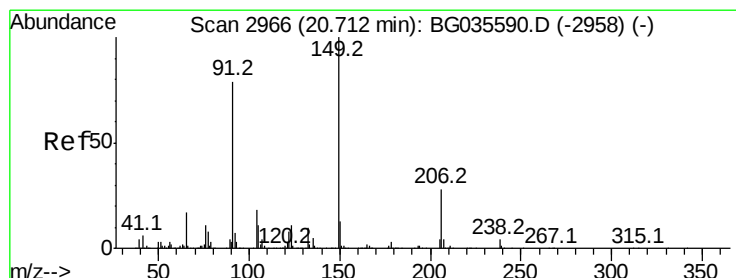
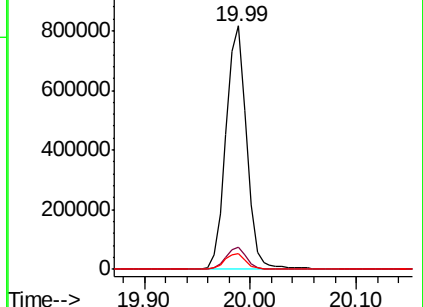
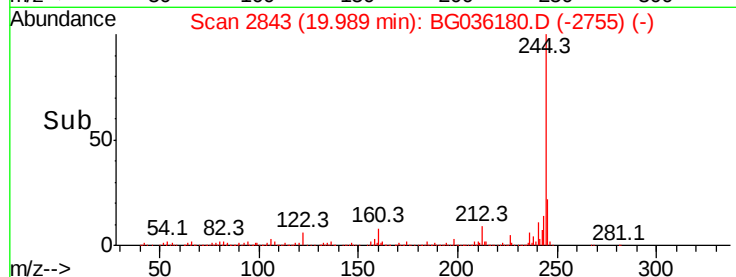
122 6.4 7.0 10.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 0.018 ng

RT: 20.66 min Scan# 2958

Delta R.T. -0.02 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

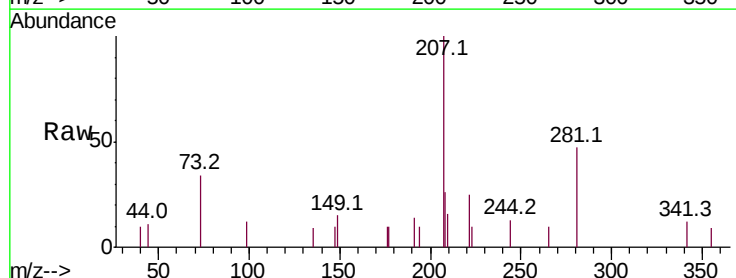
Tgt Ion:149 Resp: 93

Ion Ratio Lower Upper

149 100

91 0.0 62.2 93.2#

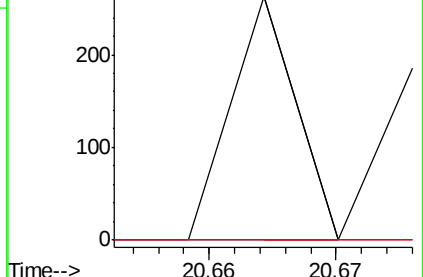
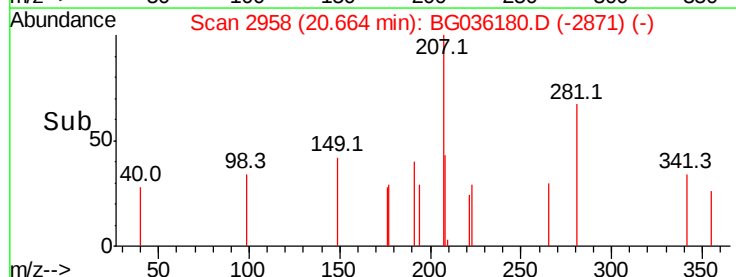
206 0.0 18.6 27.8#

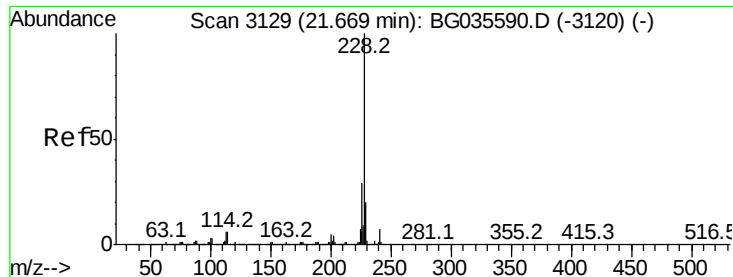


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.063 ng

RT: 21.63 min Scan# 3123

Delta R.T. -0.01 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

Instrument :

BNA_G

ClientSampleId :

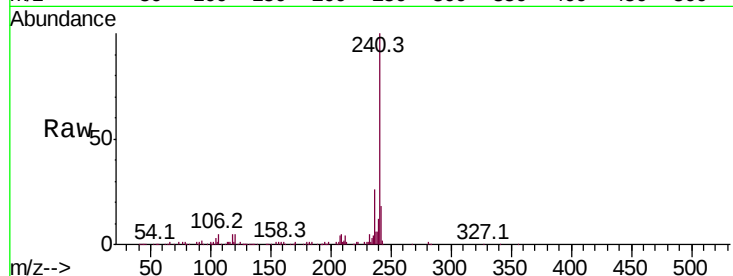
Tot Ion:228 Resp: 888

Ion Ratio Lower Upper

228 100

226 0.0 22.7 34.1#

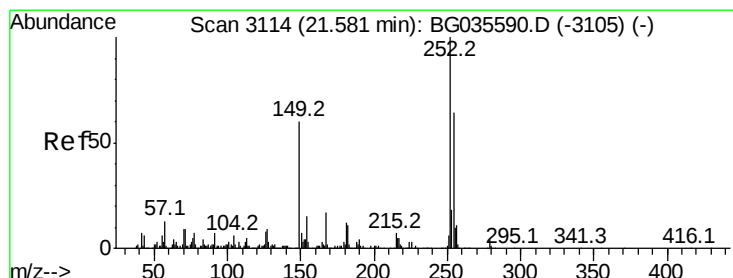
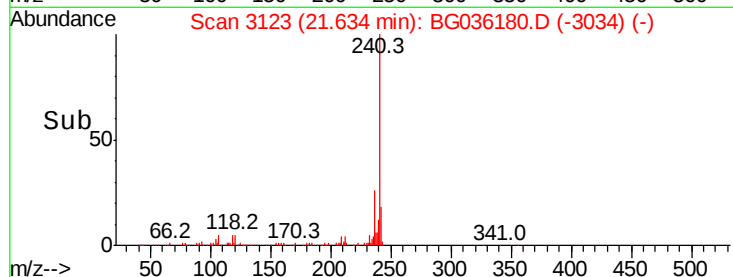
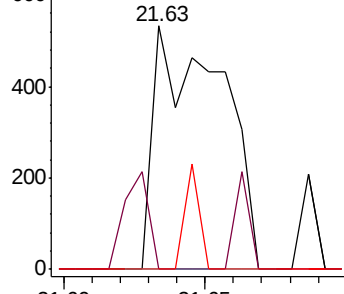
229 0.0 16.2 24.2#



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: 0.011 ng

RT: 21.48 min Scan# 3097

Delta R.T. -0.08 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

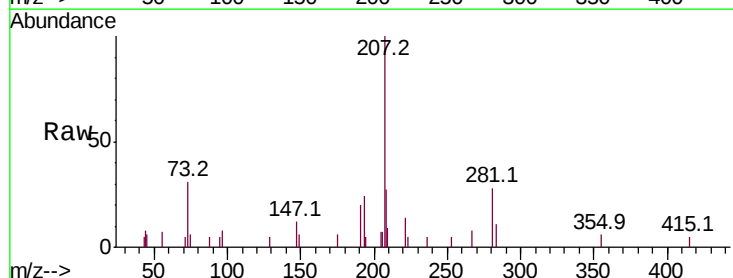
Tgt Ion:252 Resp: 55

Ion Ratio Lower Upper

252 100

254 0.0 50.8 76.2#

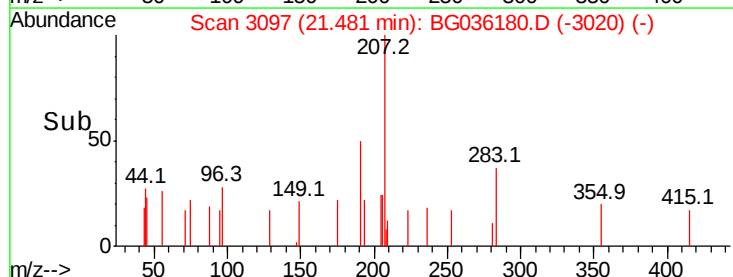
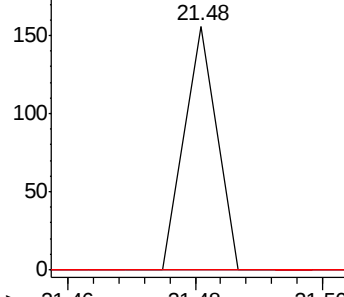
126 0.0 7.4 11.2#

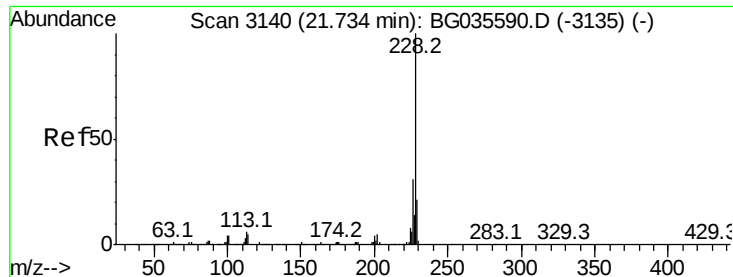


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 0.006 ng

RT: 21.69 min Scan# 3132

Delta R.T. -0.02 min

Lab File: BG036180.D

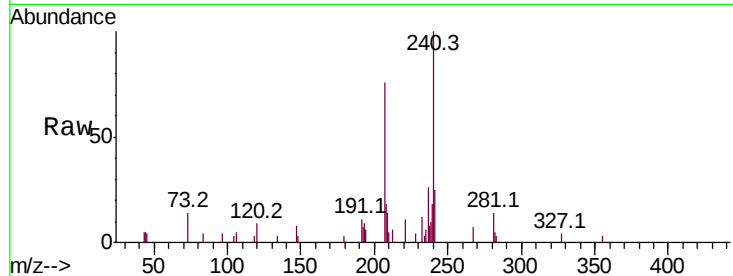
Acq: 8 Aug 2018 2:55

Instrument :

BNA_G

ClientSampled :

Tot Ion:	228	Resp:	73
Ion	Ratio	Lower	Upper
228	100		
226	0.0	24.9	37.3#
229	0.0	15.0	22.4#



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

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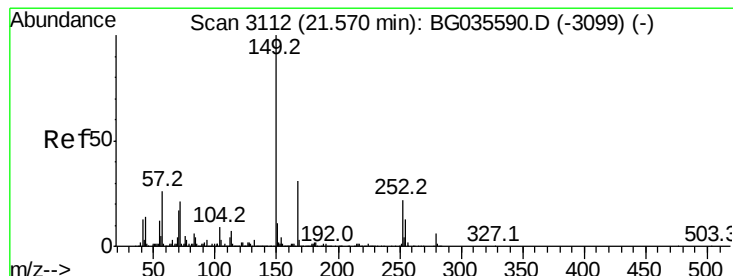
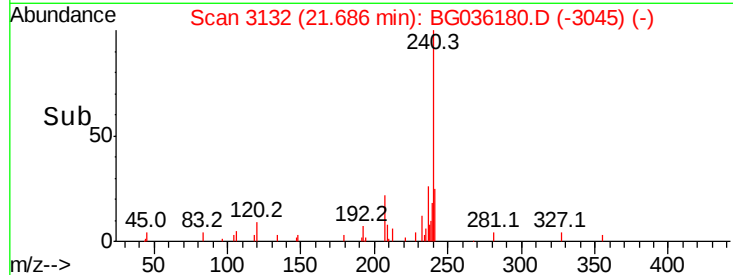
21.70

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21.70



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.043 ng

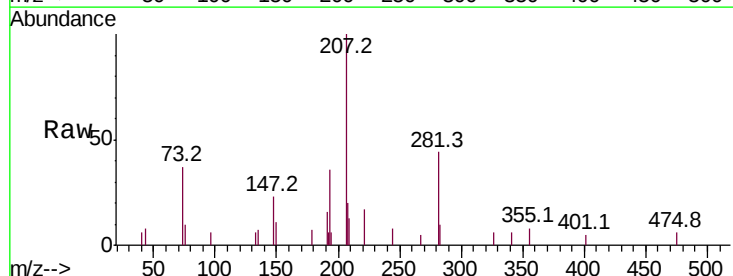
RT: 21.51 min Scan# 3102

Delta R.T. -0.03 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

Tgt Ion:	149	Resp:	298
Ion	Ratio	Lower	Upper
149	100		
167	0.0	24.3	36.5#
279	0.0	4.0	6.0#



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

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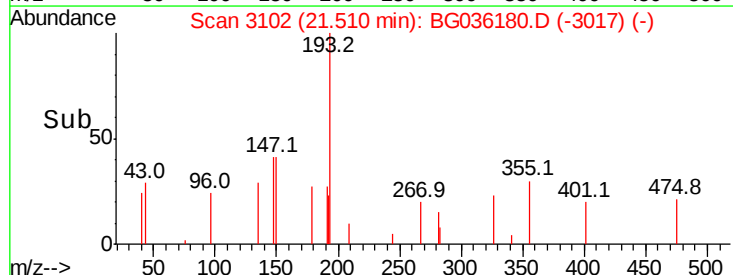
21.51

21.51

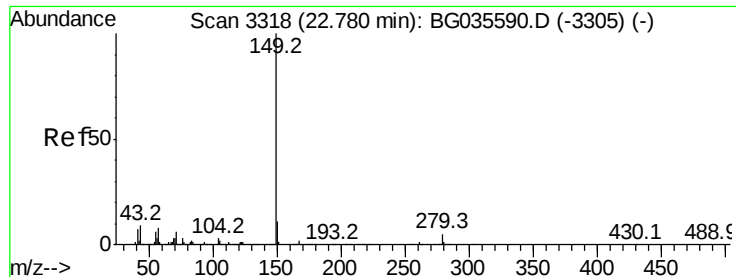
21.51

21.51

21.51



Time-->



#84

Di-n-octyl phthalate

Concen: 0.053 ng

RT: 22.71 min Scan# 3307

Delta R.T. -0.03 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

Instrument :

BNA_G

ClientSampled :

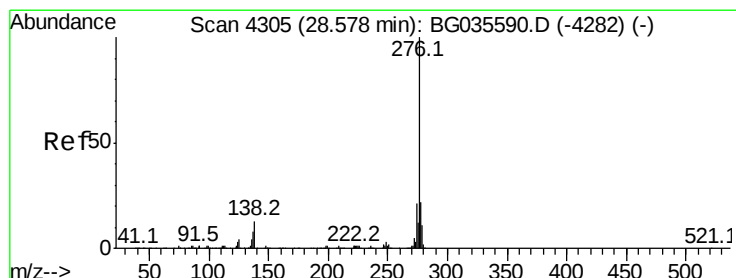
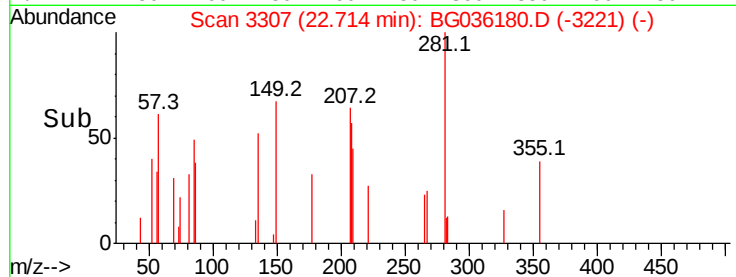
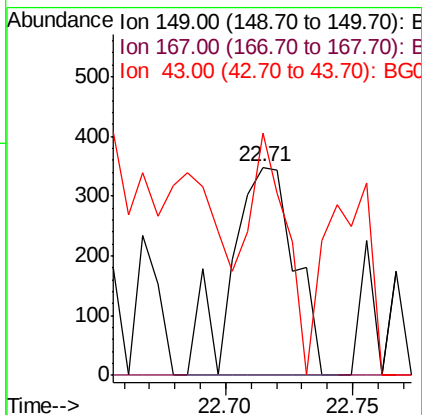
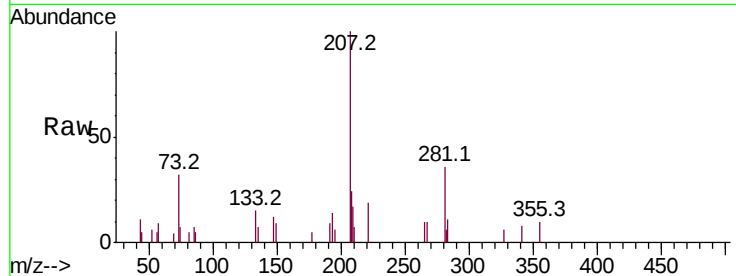
Tot Ion:149 Resp: 608

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.0#

43 68.1 8.9 13.3#



#85

Indeno(1,2,3-cd)pyrene

Concen: 0.005 ng

RT: 28.48 min Scan# 4289

Delta R.T. -0.02 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

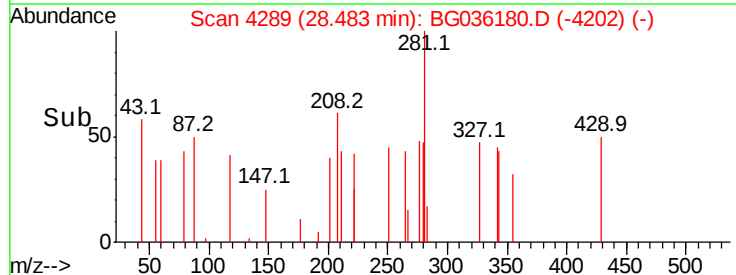
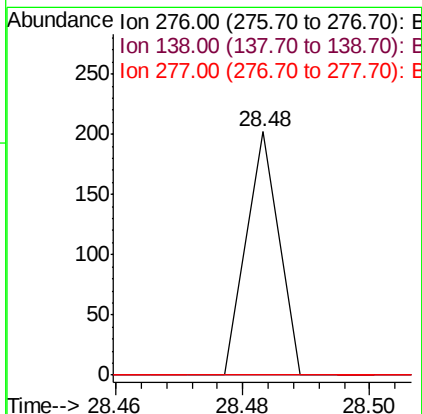
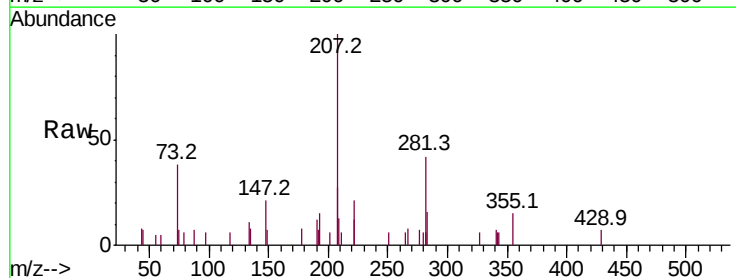
Tgt Ion:276 Resp: 71

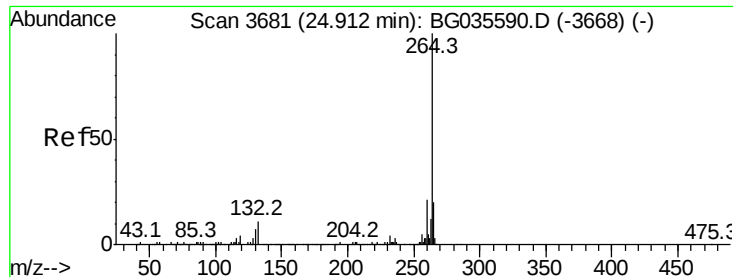
Ion Ratio Lower Upper

276 100

138 0.0 16.0 24.0#

277 0.0 20.0 30.0#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 24.82 min Scan# 3666

Delta R.T. -0.04 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

Instrument :

BNA_G

ClientSampleId :

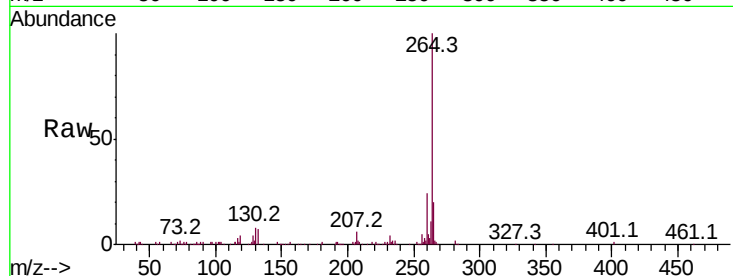
Tot Ion:264 Resp: 209484

Ion Ratio Lower Upper

264 100

260 23.6 17.4 26.0

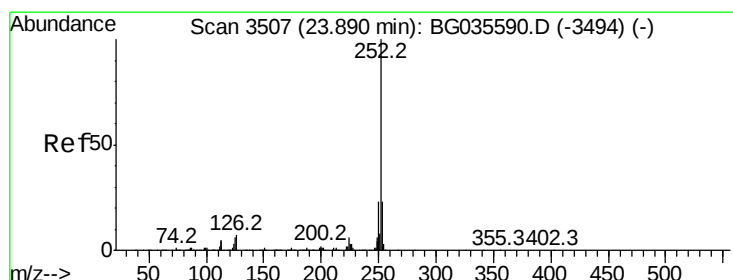
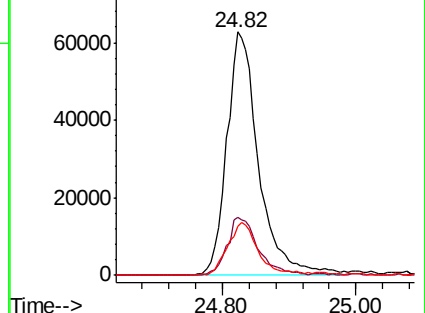
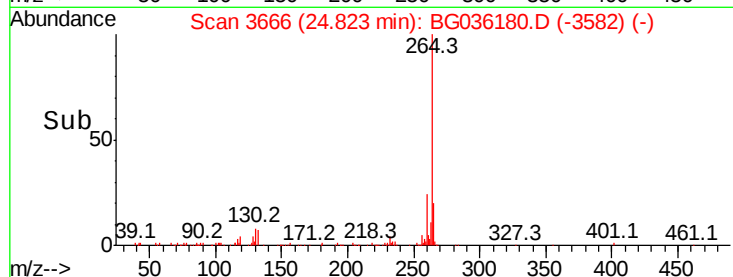
265 20.3 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 0.006 ng

RT: 23.81 min Scan# 3493

Delta R.T. -0.04 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

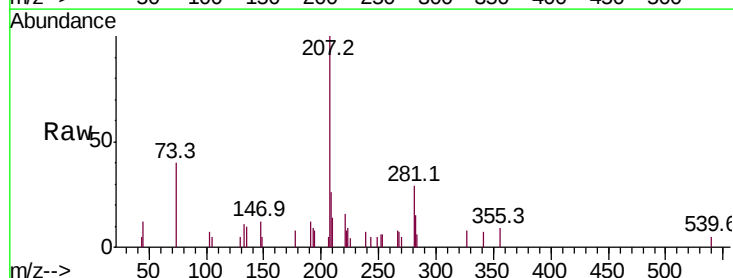
Tgt Ion:252 Resp: 74

Ion Ratio Lower Upper

252 100

253 100.5 18.2 27.4#

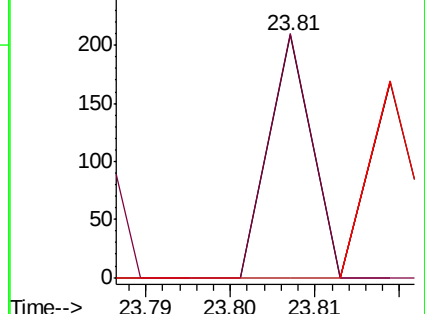
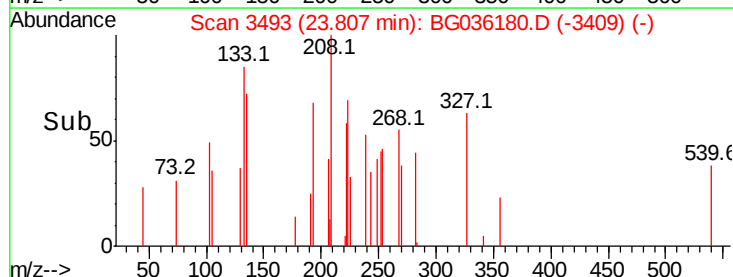
125 0.0 7.2 10.8#

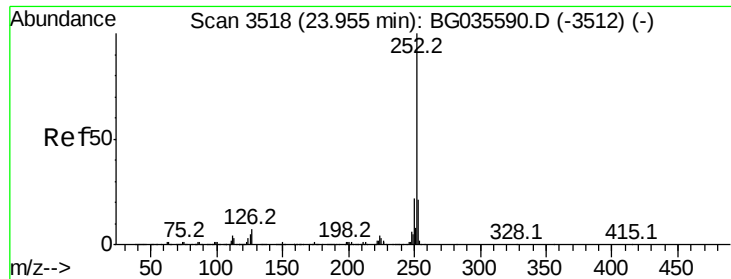


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

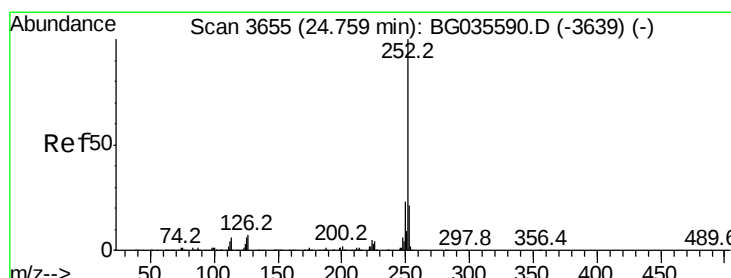
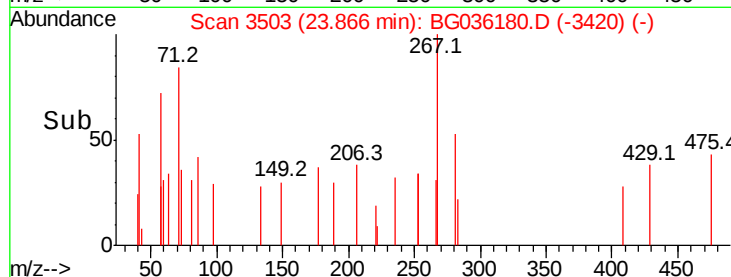
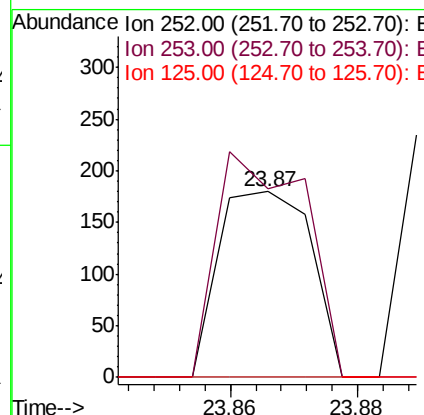
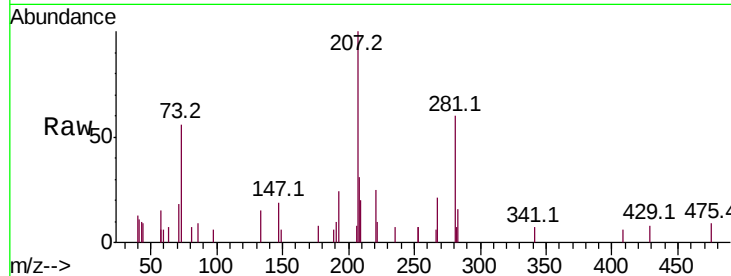




#88
Benzo(k)fluoranthene
Concen: 0.014 ng
RT: 23.87 min Scan# 3503
Delta R.T. -0.04 min
Lab File: BG036180.D
Acq: 8 Aug 2018 2:55

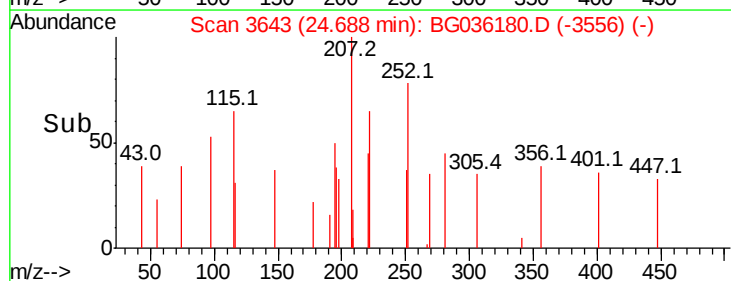
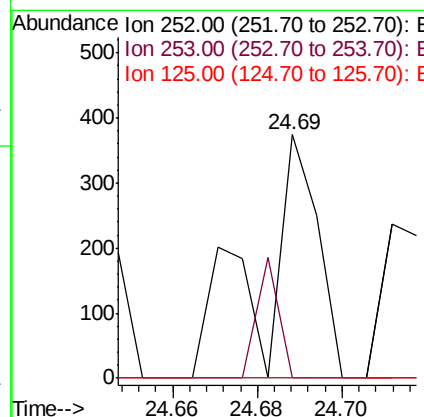
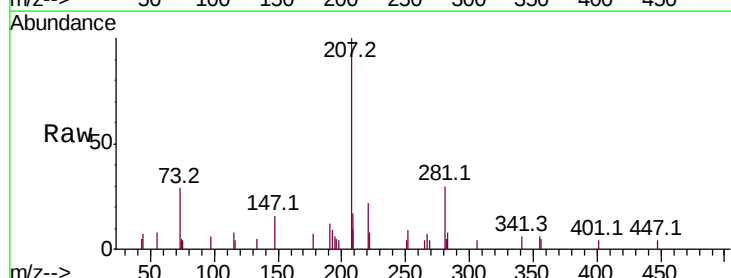
Instrument :
BNA_G
ClientSampleId :

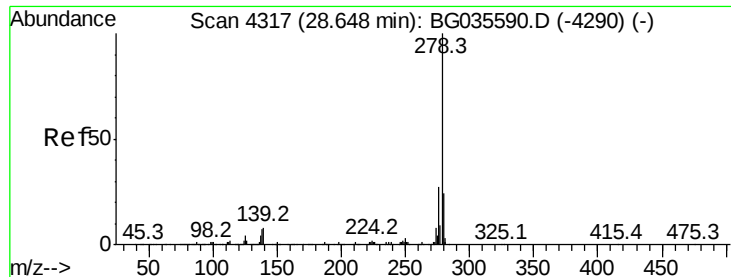
Tot Ion:252 Resp: 180
Ion Ratio Lower Upper
252 100
253 101.1 17.4 26.2#
125 0.0 6.6 9.8#



#89
Benzo(a)pyrene
Concen: 0.030 ng
RT: 24.69 min Scan# 3643
Delta R.T. -0.02 min
Lab File: BG036180.D
Acq: 8 Aug 2018 2:55

Tgt Ion:252 Resp: 356
Ion Ratio Lower Upper
252 100
253 0.0 18.3 27.5#
125 0.0 7.3 10.9#





#90

Dibenzo(a,h)anthracene

Concen: 0.005 ng

RT: 28.56 min Scan# 4302

Delta R.T. -0.01 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

Instrument :

BNA_G

ClientSampled :

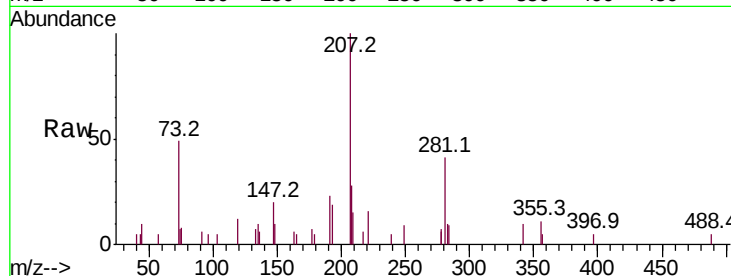
Tot Ion:278 Resp: 62

Ion	Ratio	Lower	Upper
278	100		
139	0.0	9.8	14.6#
279	0.0	18.4	27.6#

278 100

139 0.0 9.8 14.6#

279 0.0 18.4 27.6#

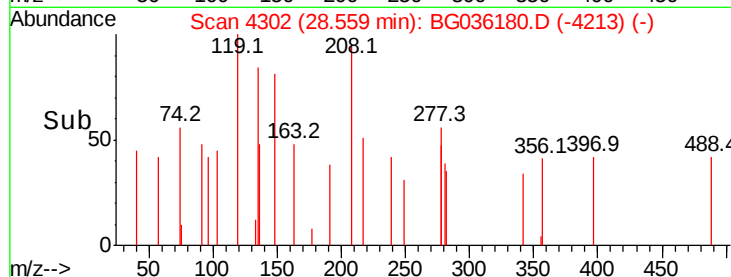


Abundance Ion 278.00 (277.70 to 278.70): E

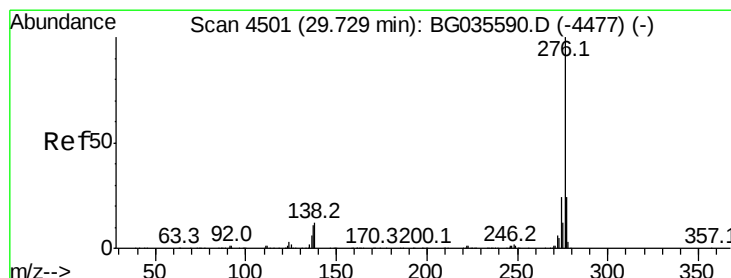
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

28.56



Time--> 28.54 28.56



#91

Benzo(g,h,i)perylene

Concen: 0.012 ng

RT: 29.65 min Scan# 4488

Delta R.T. 0.02 min

Lab File: BG036180.D

Acq: 8 Aug 2018 2:55

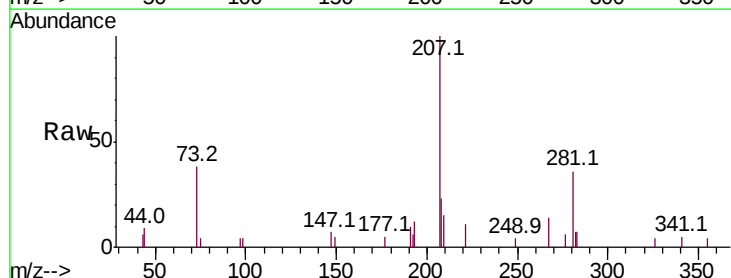
Tgt Ion:276 Resp: 139

Ion	Ratio	Lower	Upper
276	100		
277	0.0	18.3	27.5#
138	0.0	13.9	20.9#

276 100

277 0.0 18.3 27.5#

138 0.0 13.9 20.9#

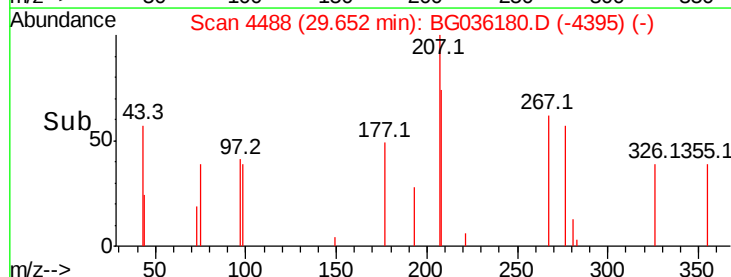


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

29.65



Time--> 29.62 29.64 29.66