

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022520\
 Data File : BG044578.D
 Acq On : 25 Feb 2020 15:45
 Operator : CG/JU
 Sample : PB126985BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 26 04:59:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG022420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 24 16:11:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	53649	20.00	ng	0.00
21) Naphthalene-d8	10.67	136	220868	20.00	ng	0.00
39) Acenaphthene-d10	14.52	164	153571	20.00	ng	0.00
64) Phenanthrene-d10	17.26	188	382122	20.00	ng	0.00
76) Chrysene-d12	21.50	240	391816	20.00	ng	0.00
87) Perylene-d12	24.57	264	402718	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	184684	55.23	ng	0.00
7) Phenol-d6	7.05	99	142627	31.16	ng	0.00
23) Nitrobenzene-d5	9.03	82	369474	86.18	ng	0.00
42) 2,4,6-Tribromophenol	16.01	330	294388	135.19	ng	0.00
45) 2-Fluorobiphenyl	13.14	172	902919	84.19	ng	0.00
79) Terphenyl-d14	19.88	244	1684568	81.39	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.33	88	55	0.038	ng	# 1
4) n-Nitrosodimethylamine	3.65	42	354	0.229	ng	# 1
9) Benzaldehyde	7.01	77	213	0.079	ng	# 1
15) Benzyl Alcohol	8.19	79	6096	1.975	ng	# 48
16) 2,2'-oxybis(1-Chloropropan	8.42	45	70	0.014	ng	# 67
19) n-Nitroso-di-n-propylamine	9.03	70	47546	16.161	ng	# 79
22) Acetophenone	8.69	105	4085	0.737	ng	# 92
24) Nitrobenzene	9.03	77	1218	0.293	ng	# 36
25) Isophorone	9.55	82	119	0.015	ng	# 65
31) Naphthalene	10.73	128	54	0.004	ng	# 68
46) 1,1'-Biphenyl	13.35	154	2354	0.185	ng	# 88
48) 2-Nitroaniline	13.66	65	54	0.020	ng	# 1
49) Acenaphthylene	14.62	152	54	0.004	ng	# 58
51) 2,6-Dinitrotoluene	14.52	165	20343	7.442	ng	# 33
52) Acenaphthene	14.52	154	487	0.052	ng	# 5
57) 2,4-Dinitrotoluene	14.52	165	20343	5.293	ng	# 31
58) Fluorene	16.00	166	12213	1.071	ng	# 88
60) Diethylphthalate	15.33	149	352	0.029	ng	# 57
63) Azobenzene	15.81	77	447	0.043	ng	# 31
65) 4,6-Dinitro-2-methylphenol	16.00	198	851	0.360	ng	# 1
66) n-Nitrosodiphenylamine	16.00	169	9367	0.786	ng	# 47
67) 4-Bromophenyl-phenylether	16.00	248	19560	4.124	ng	# 1
71) Phenanthrene	17.30	178	135	0.006	ng	# 58
72) Anthracene	17.39	178	115	0.006	ng	# 59
73) Carbazole	17.67	167	552	0.029	ng	# 56
74) Di-n-butylphthalate	18.23	149	1370	0.058	ng	# 77
77) Benzidine	19.88	184	27081	2.018	ng	# 94
78) Pyrene	19.88	202	6381	0.224	ng	# 72
80) Butylbenzylphthalate	20.57	149	711	0.057	ng	# 51
81) Benzo(a)anthracene	21.50	228	1232	0.045	ng	# 19
82) 3,3'-Dichlorobenzidine	21.40	252	223	0.020	ng	# 25
83) Chrysene	21.55	228	55	0.002	ng	# 1
84) Bis(2-ethylhexyl)phthalate	21.40	149	1800	0.105	ng	# 59
85) Di-n-octyl phthalate	22.55	149	231	0.008	ng	# 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 24 16:11:23 2020
Response via : Initial Calibration

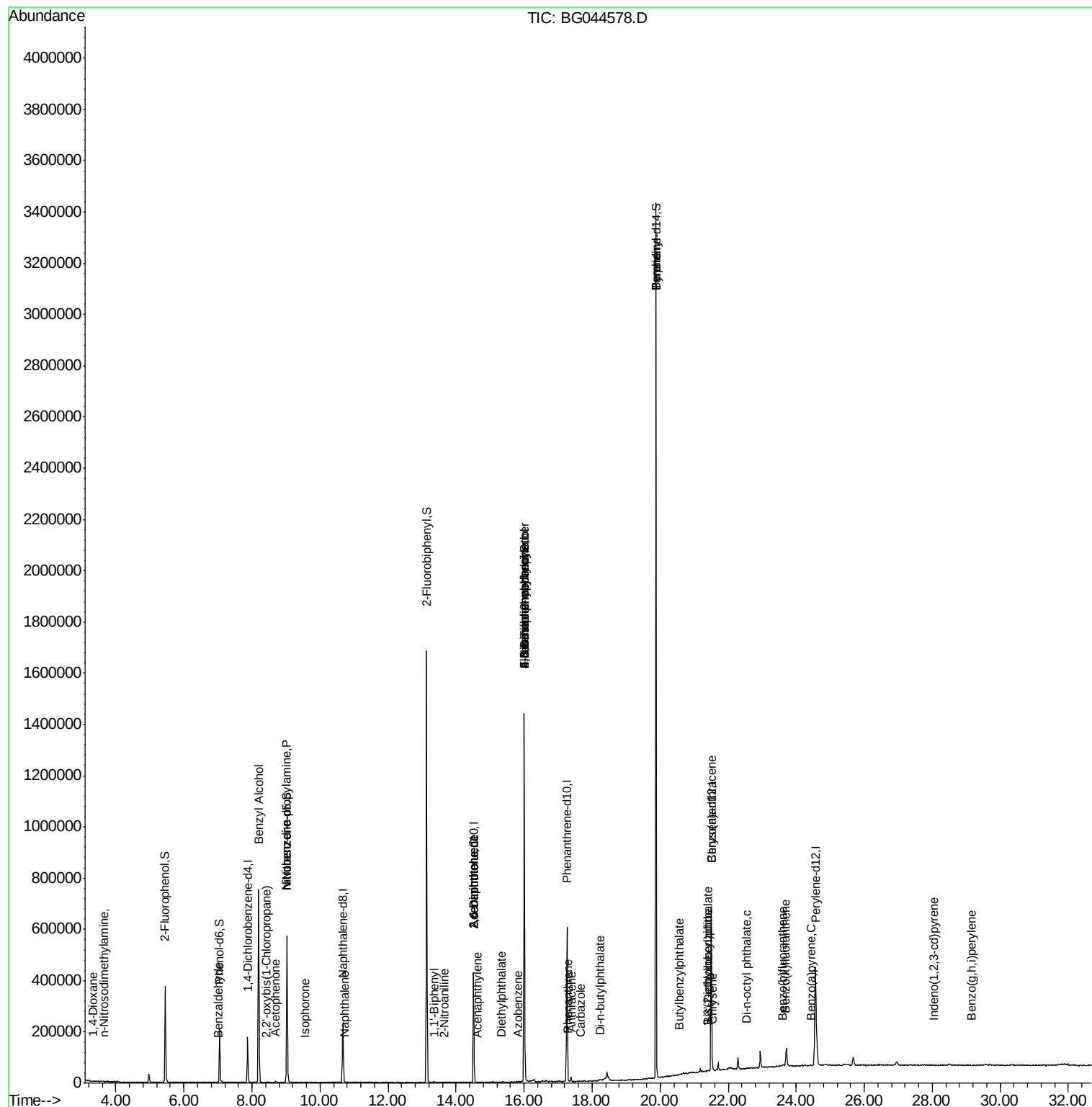
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Indeno(1,2,3-cd)pyrene	28.05	276	54	0.002	ng	# 1
88) Benzo(b)fluoranthene	23.59	252	430	0.016	ng	# 59
89) Benzo(k)fluoranthene	23.69	252	516	0.020	ng	# 1
90) Benzo(a)pyrene	24.43	252	374	0.015	ng	# 1
92) Benzo(g,h,i)perylene	29.16	276	54	0.002	ng	# 1

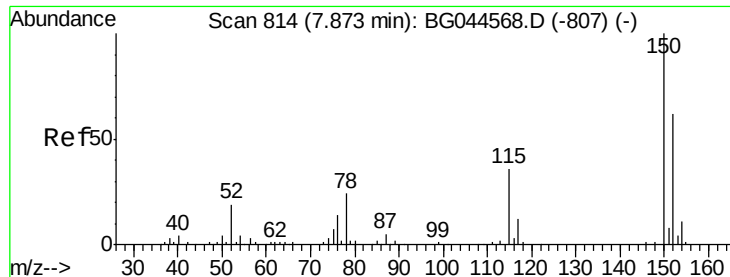
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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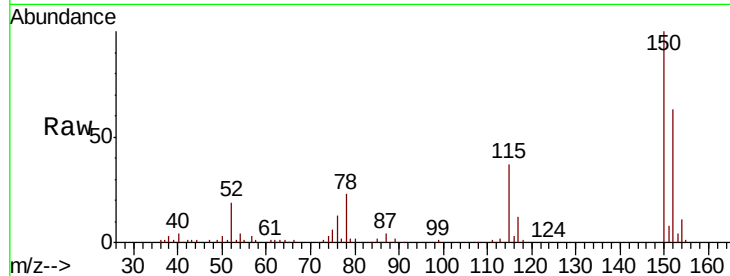


#1

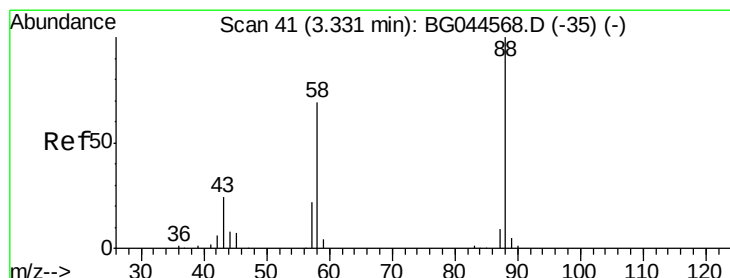
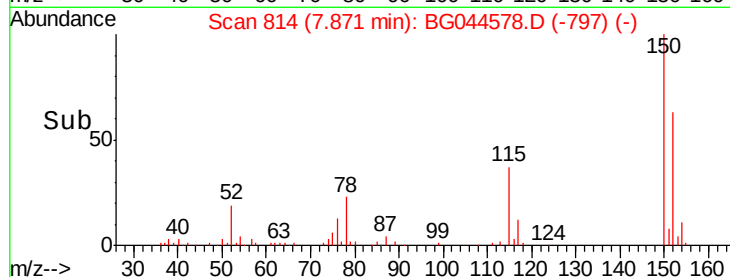
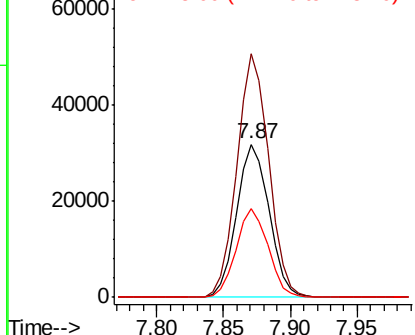
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG044578.D
Acq: 25 Feb 2020 15:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 53649
Ion Ratio Lower Upper
152 100
150 158.9 128.9 193.3
115 58.0 47.0 70.4



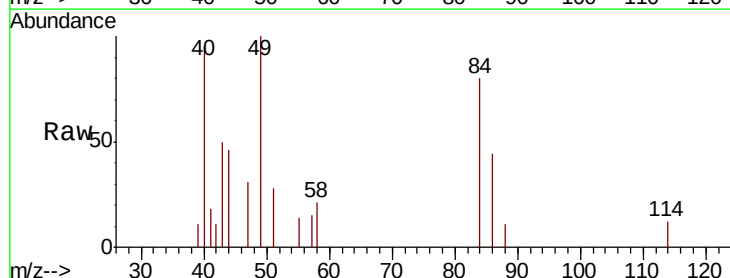
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



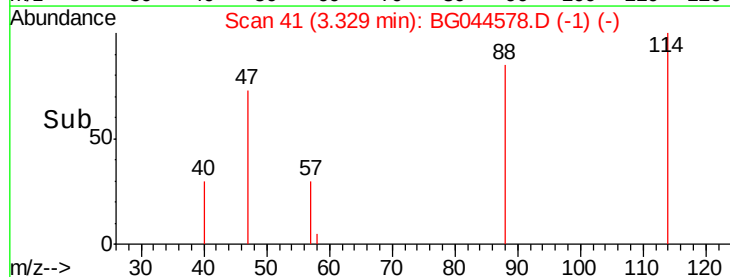
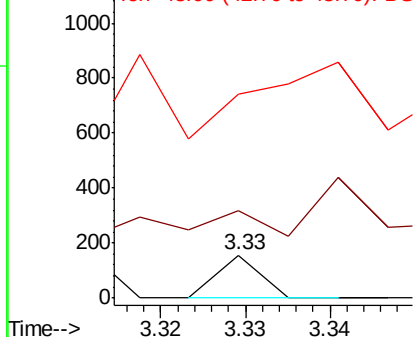
#2

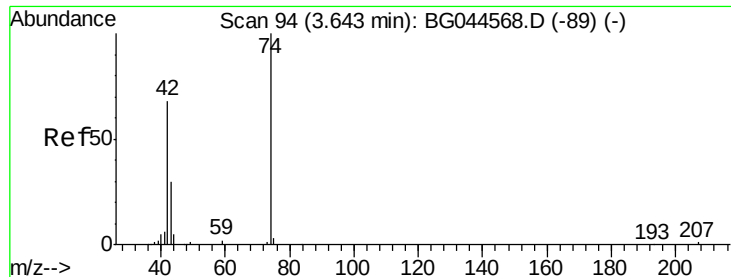
1,4-Dioxane
Concen: 0.038 ng
RT: 3.33 min Scan# 41
Delta R.T. -0.00 min
Lab File: BG044578.D
Acq: 25 Feb 2020 15:45

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
58 0.0 55.8 83.8#
43 872.7 20.6 31.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#4

n-Nitrosodimethylamine

Concen: 0.229 ng

RT: 3.65 min Scan# 96

Delta R.T. 0.01 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

Instrument :

BNA_G

ClientSampleId :

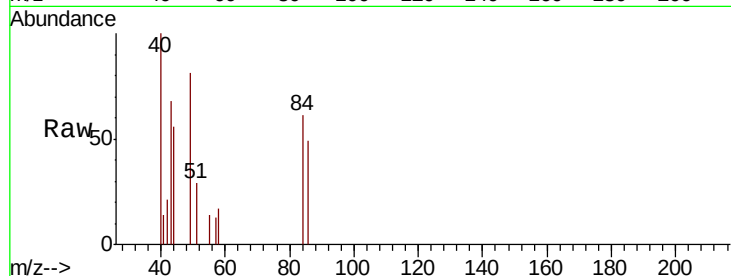
Tot Ion: 42 Resp: 354

Ion Ratio Lower Upper

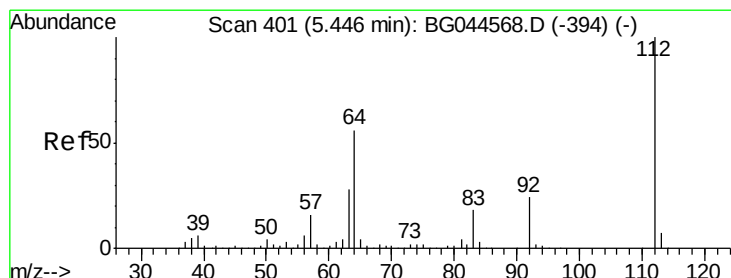
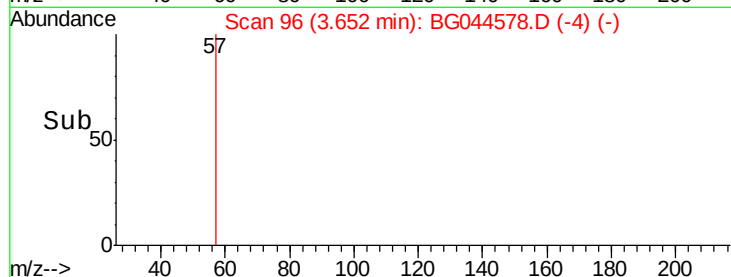
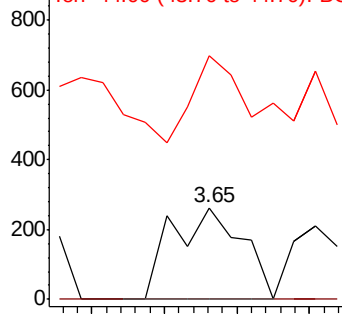
42 100

74 0.0 117.6 176.4#

44 265.4 6.3 9.5#



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: 55.233 ng

RT: 5.45 min Scan# 402

Delta R.T. 0.00 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

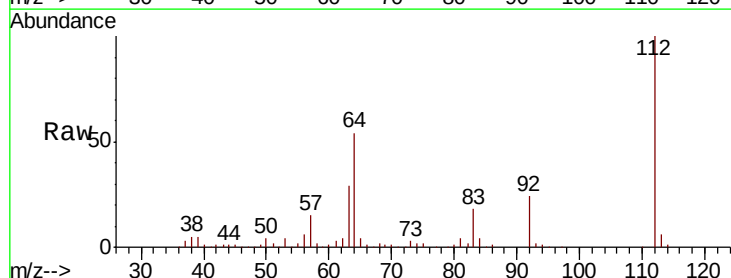
Tgt Ion: 112 Resp: 184684

Ion Ratio Lower Upper

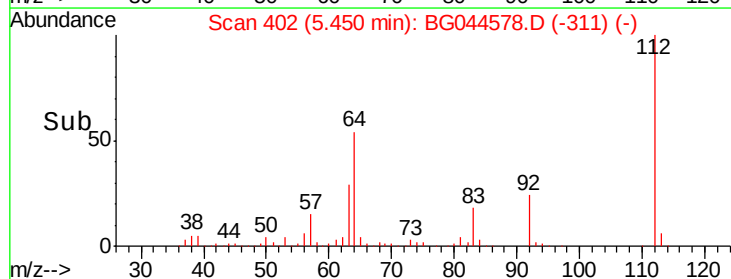
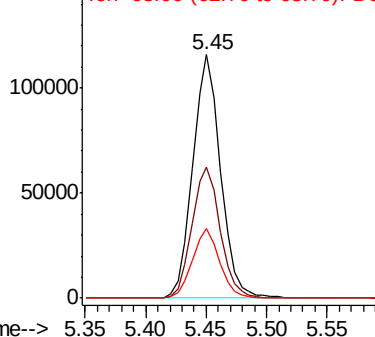
112 100

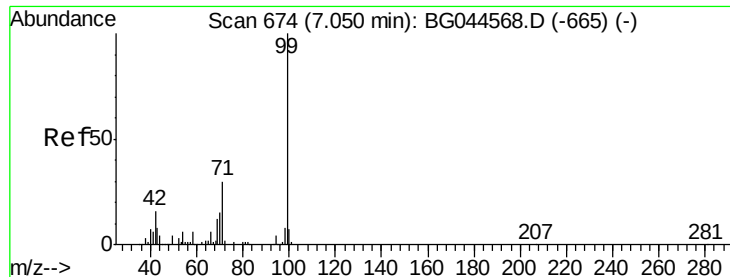
64 54.0 44.8 67.2

63 28.8 22.3 33.5



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





#7

Phenol-d6

Concen: 31.162 ng

RT: 7.05 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

Instrument :

BNA_G

ClientSampled :

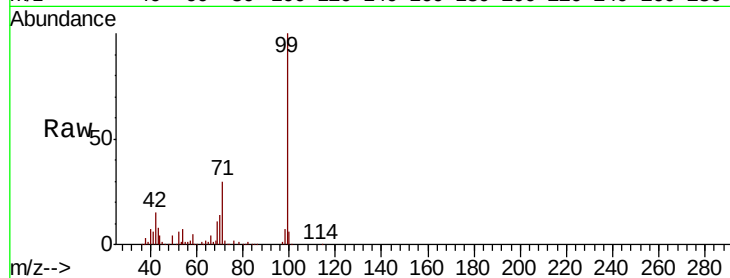
Tot Ion: 99 Resp: 142627

Ion Ratio Lower Upper

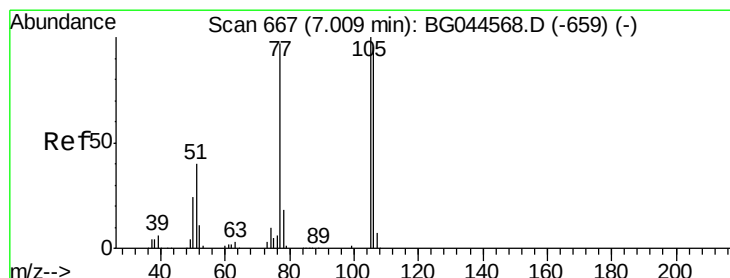
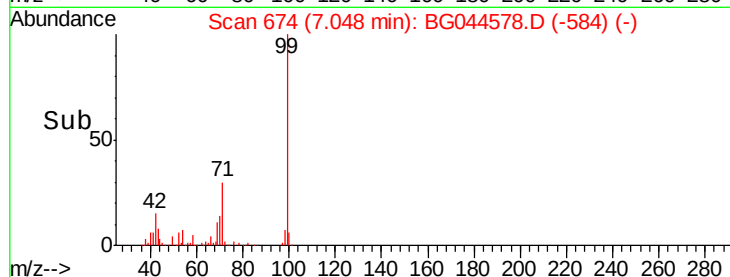
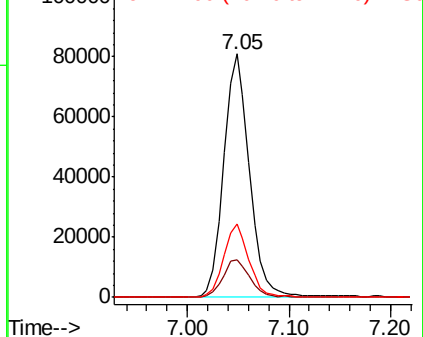
99 100

42 15.4 12.8 19.2

71 29.9 24.4 36.6



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#9

Benzaldehyde

Concen: 0.079 ng

RT: 7.01 min Scan# 667

Delta R.T. -0.00 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

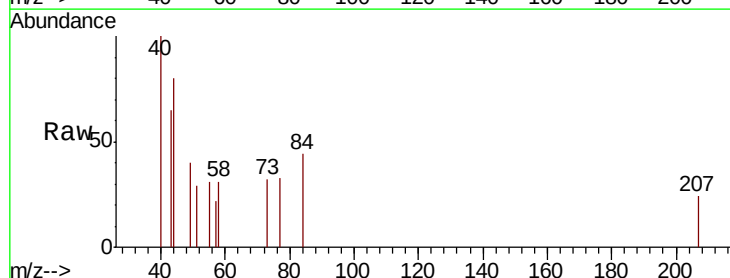
Tgt Ion: 77 Resp: 213

Ion Ratio Lower Upper

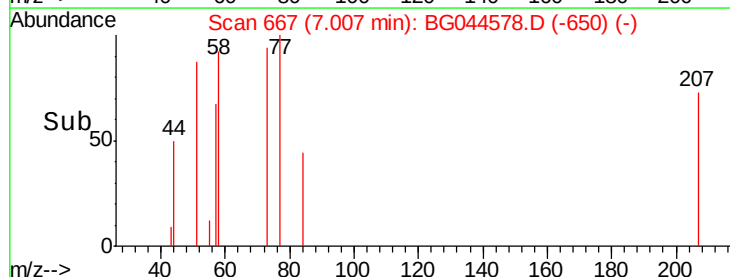
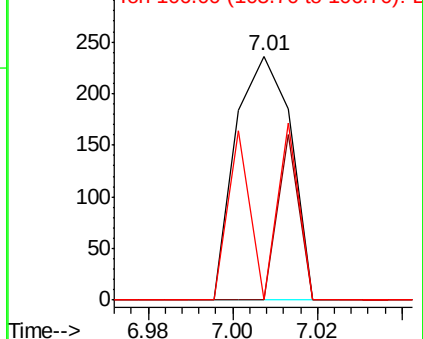
77 100

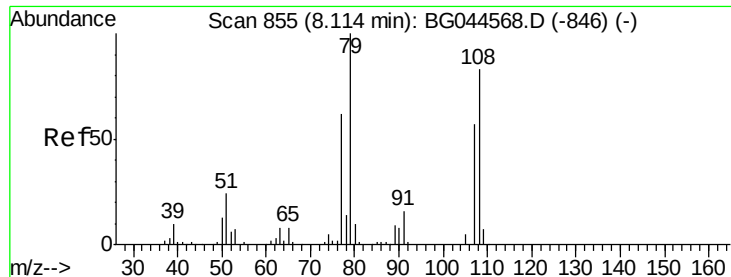
105 0.0 83.6 123.6#

106 0.0 78.2 118.2#



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





#15

Benzyl Alcohol

Concen: 1.975 ng

RT: 8.19 min Scan# 869

Delta R.T. 0.08 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

Instrument :

BNA_G

ClientSampleId :

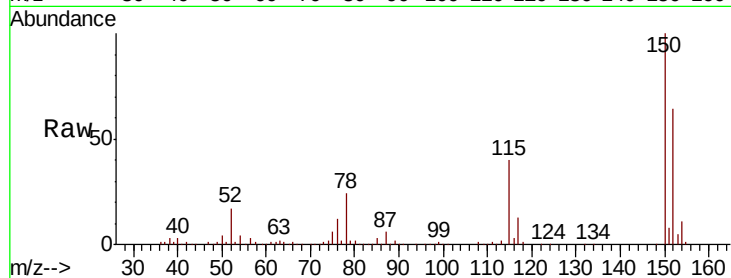
Tot Ion: 79 Resp: 6096

Ion Ratio Lower Upper

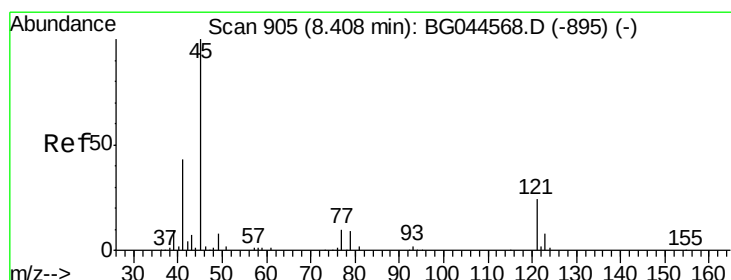
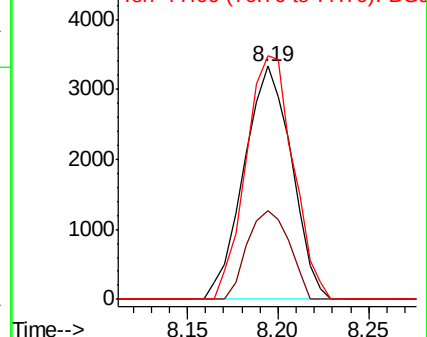
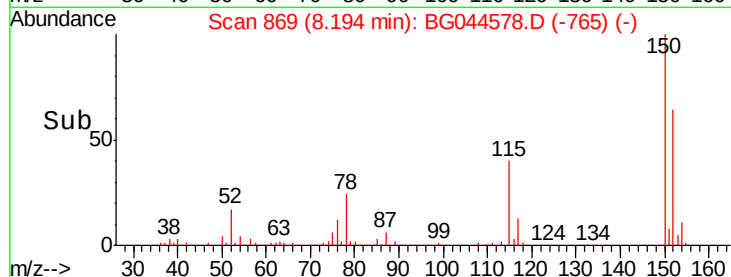
79 100

108 38.2 66.0 99.0#

77 104.4 49.6 74.4#



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.014 ng

RT: 8.42 min Scan# 908

Delta R.T. 0.02 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

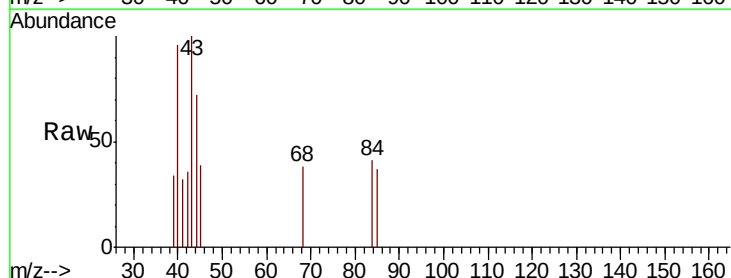
Tgt Ion: 45 Resp: 70

Ion Ratio Lower Upper

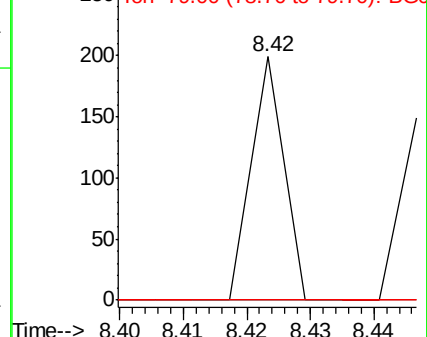
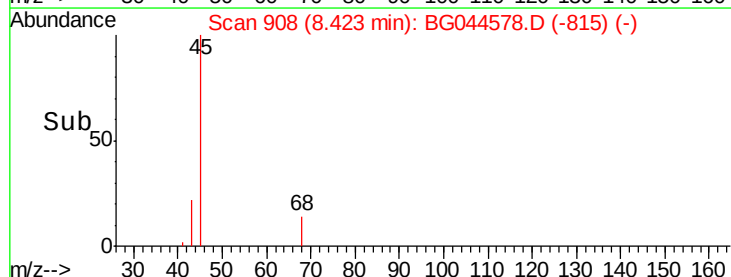
45 100

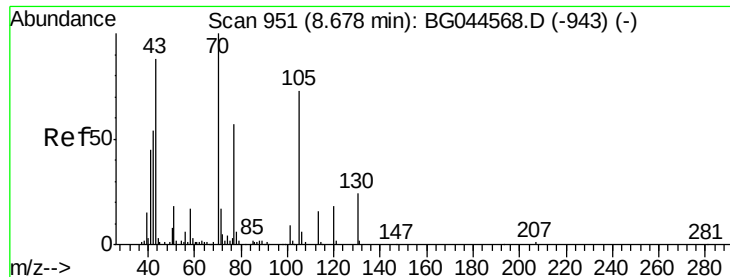
77 0.0 0.0 34.4

79 0.0 0.0 32.3



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





#19

n-Nitroso-di-n-propylamine

Concen: 16.161 ng

RT: 9.03 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 47546

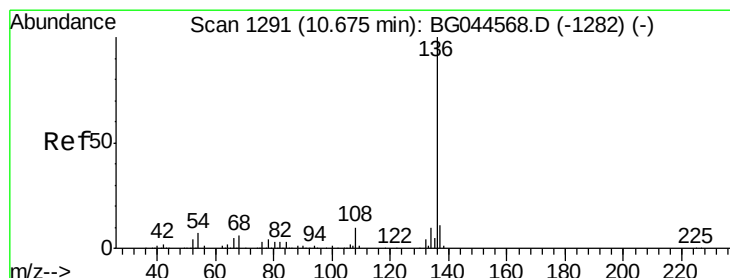
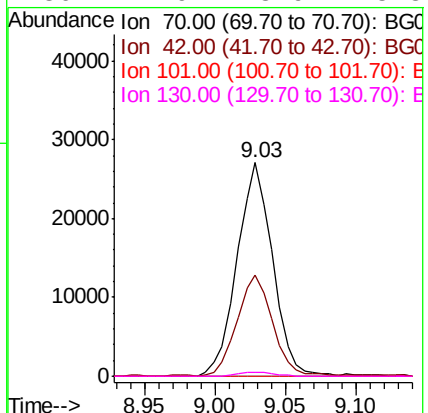
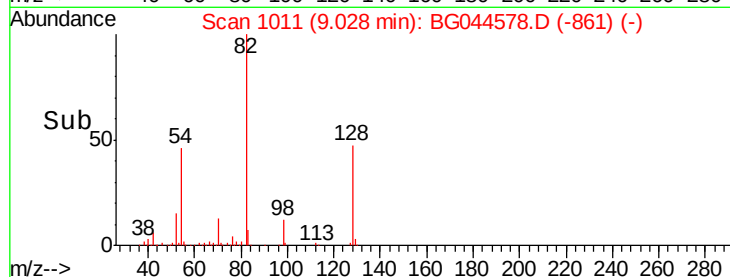
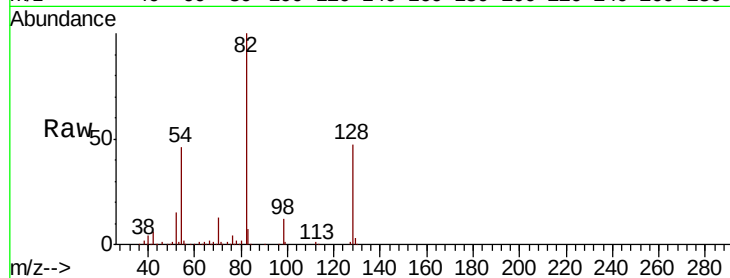
Ion Ratio Lower Upper

70 100

42 47.5 43.4 65.0

101 0.0 7.5 11.3#

130 1.9 18.9 28.3#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.67 min Scan# 1291

Delta R.T. -0.00 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

Tgt Ion: 136 Resp: 220868

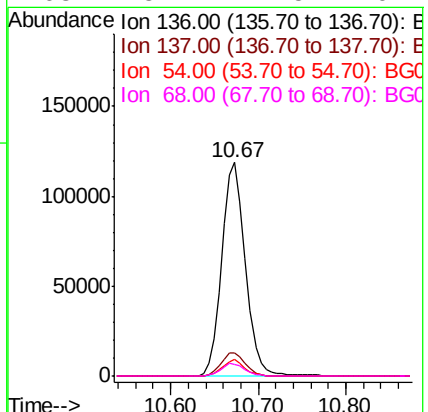
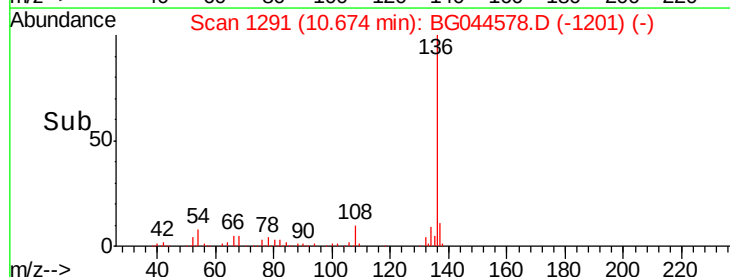
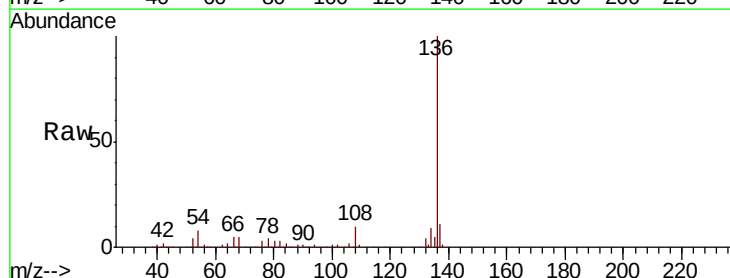
Ion Ratio Lower Upper

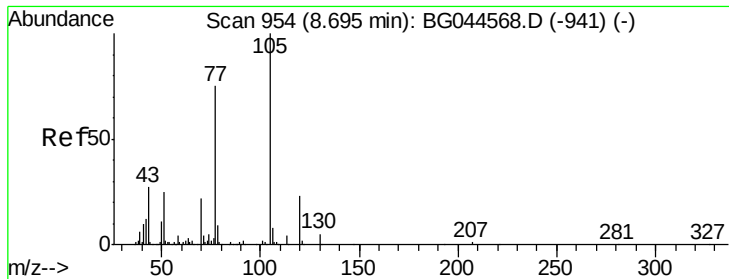
136 100

137 10.9 8.8 13.2

54 7.7 5.7 8.5

68 5.4 4.5 6.7

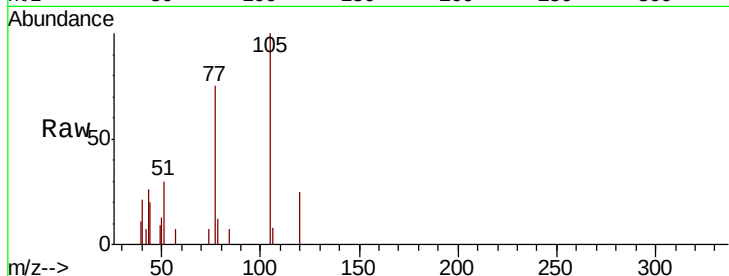




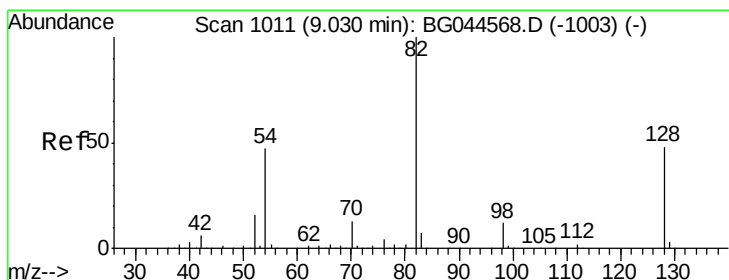
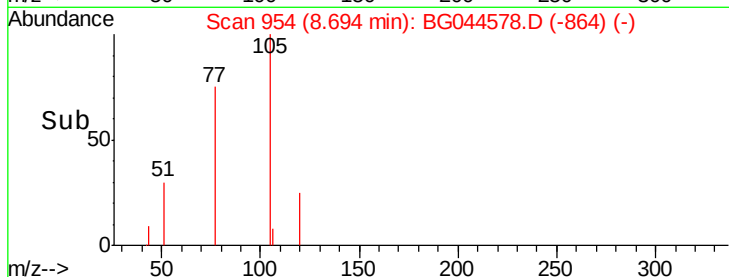
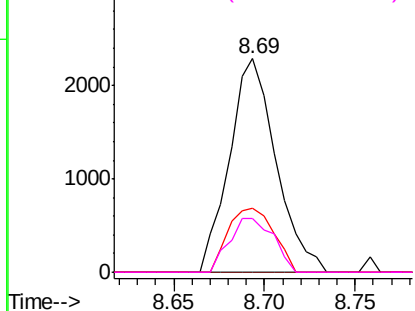
#22
Acetophenone
Concen: 0.737 ng
RT: 8.69 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG044578.D
Acq: 25 Feb 2020 15:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
105	100		
71	0.0	2.8	4.2#
51	30.1	19.9	29.9#
120	25.3	18.6	28.0

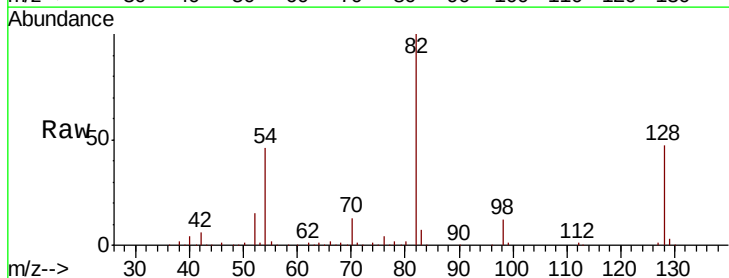


Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

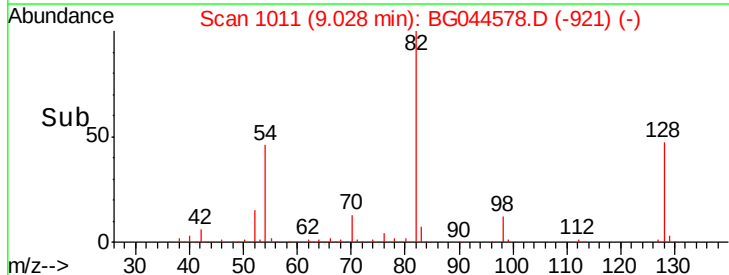
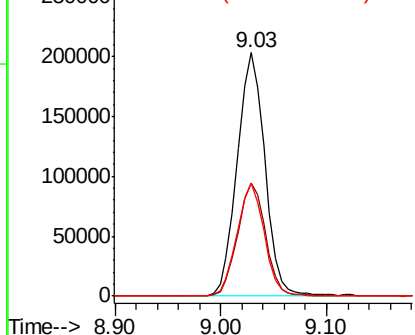


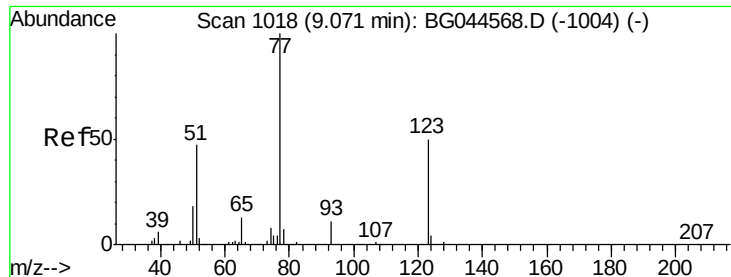
#23
Nitrobenzene-d5
Concen: 86.181 ng
RT: 9.03 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BG044578.D
Acq: 25 Feb 2020 15:45

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.7	38.1	57.1
54	46.3	37.5	56.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

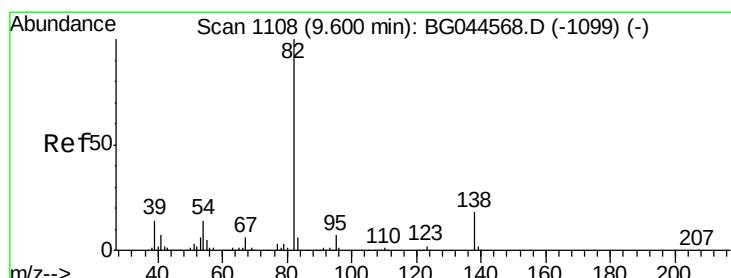
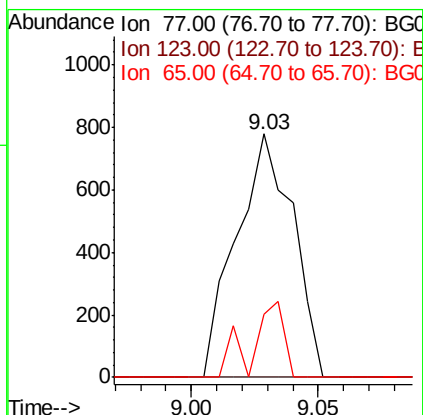
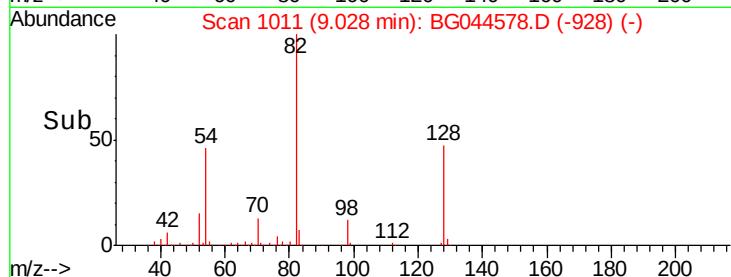
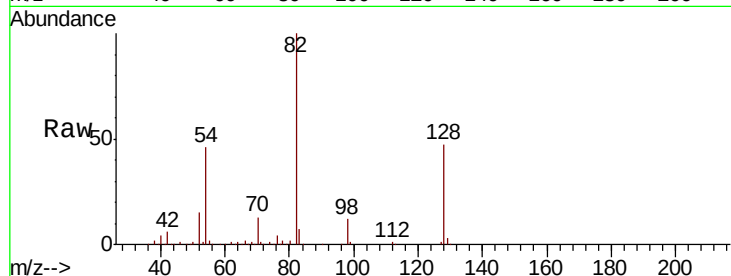




#24
Nitrobenzene
Concen: 0.293 ng
RT: 9.03 min Scan# 1011
Delta R.T. -0.04 min
Lab File: BG044578.D
Acq: 25 Feb 2020 15:45

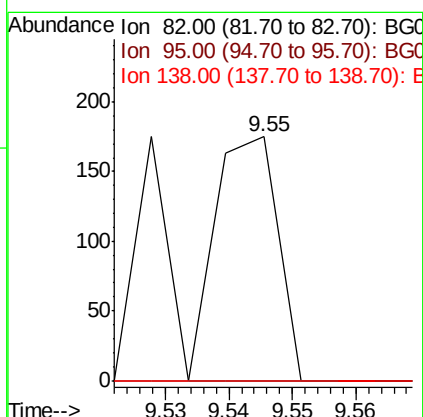
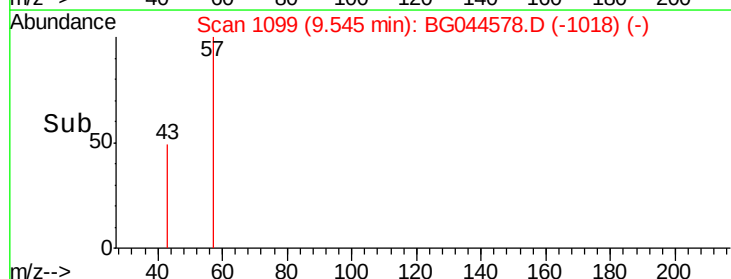
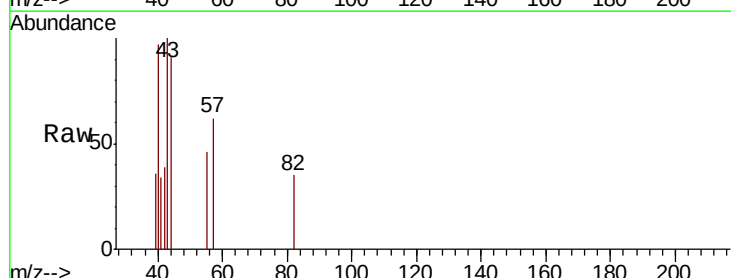
Instrument :
BNA_G
ClientSampled :

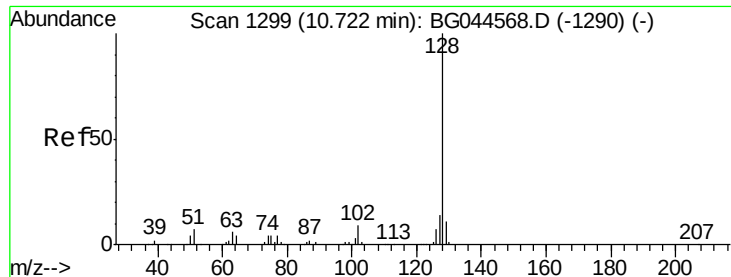
Tot Ion: 77 Resp: 1218
Ion Ratio Lower Upper
77 100
123 0.0 40.1 60.1#
65 25.8 10.4 15.6#



#25
Isophorone
Concen: 0.015 ng
RT: 9.55 min Scan# 1099
Delta R.T. -0.05 min
Lab File: BG044578.D
Acq: 25 Feb 2020 15:45

Tgt Ion: 82 Resp: 119
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.7 22.1#

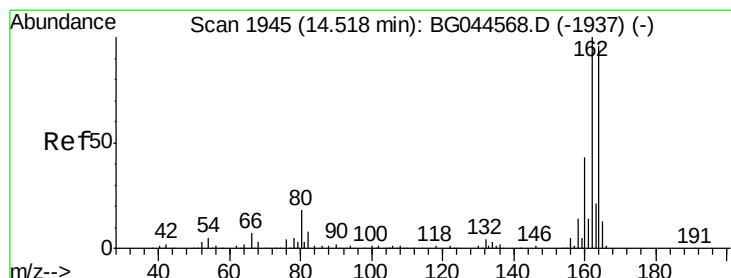
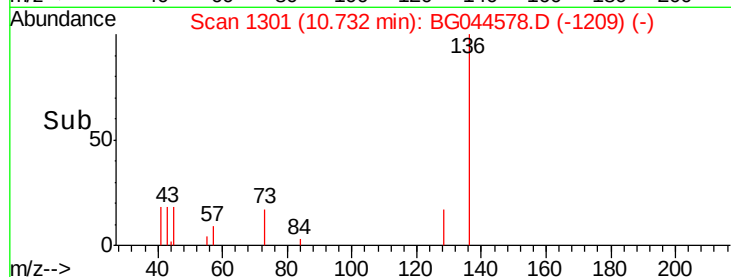
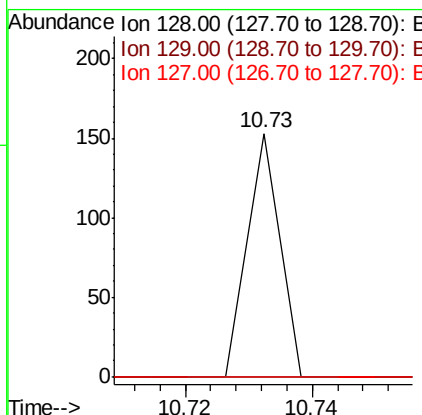
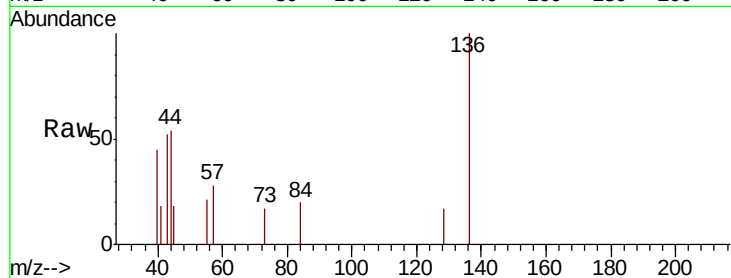




#31
Naphthalene
Concen: 0.004 ng
RT: 10.73 min Scan# 1301
Delta R.T. 0.01 min
Lab File: BG044578.D
Acq: 25 Feb 2020 15:45

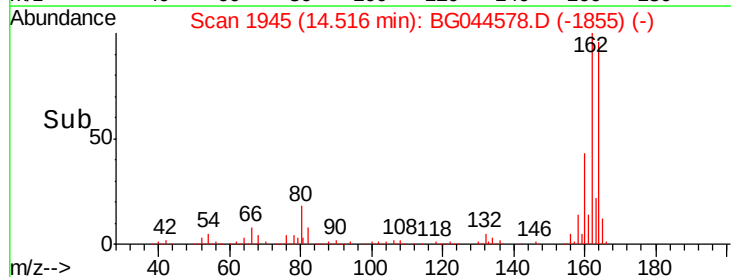
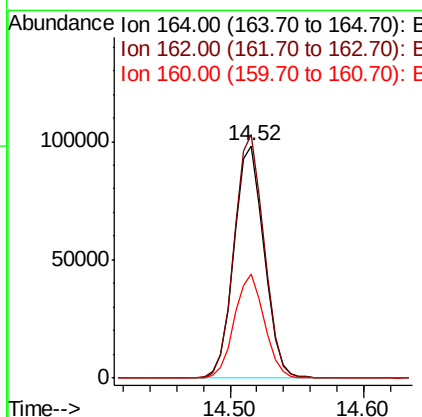
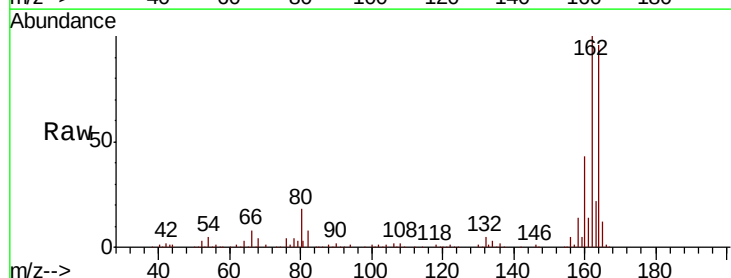
Instrument :
BNA_G
ClientSampleId :

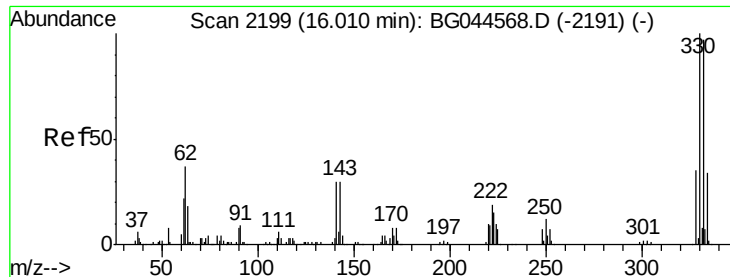
Tot Ion	Ratio	Lower	Upper
128	100		
129	0.0	9.0	13.6#
127	0.0	11.0	16.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.52 min Scan# 1945
Delta R.T. -0.00 min
Lab File: BG044578.D
Acq: 25 Feb 2020 15:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	83.6	125.4
160	44.5	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 135.194 ng

RT: 16.01 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

Instrument :

BNA_G

ClientSampleId :

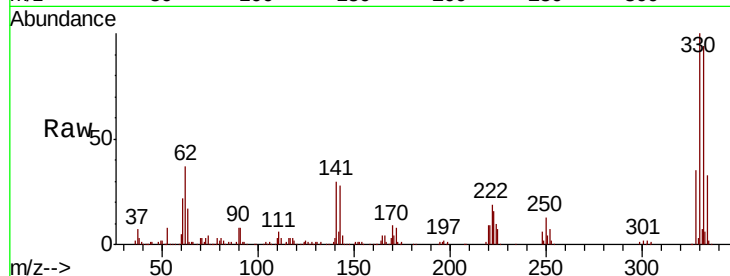
Tot Ion:330 Resp: 294388

Ion Ratio Lower Upper

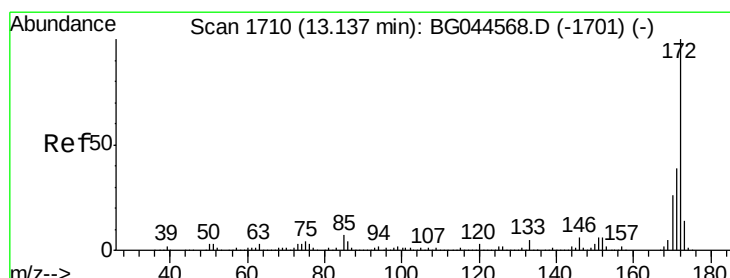
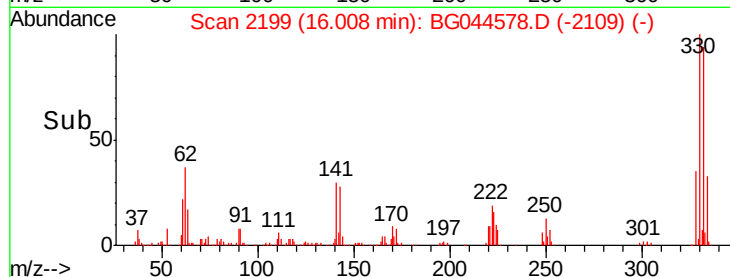
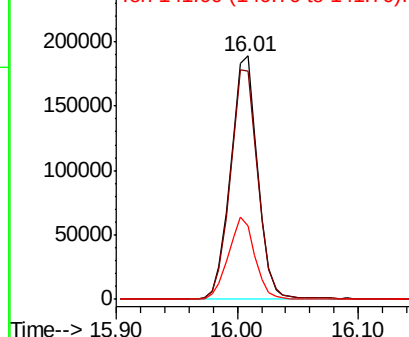
330 100

332 96.3 77.4 116.0

141 33.4 26.1 39.1



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



#45

2-Fluorobiphenyl

Concen: 84.194 ng

RT: 13.14 min Scan# 1710

Delta R.T. -0.00 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

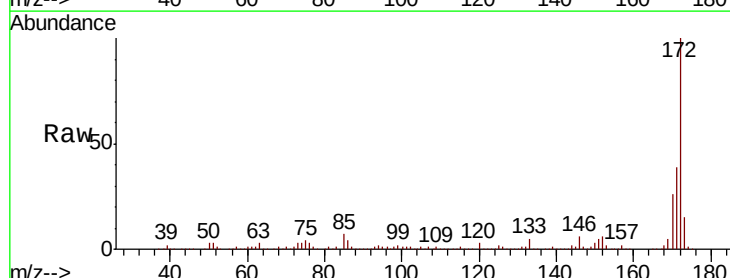
Tgt Ion:172 Resp: 902919

Ion Ratio Lower Upper

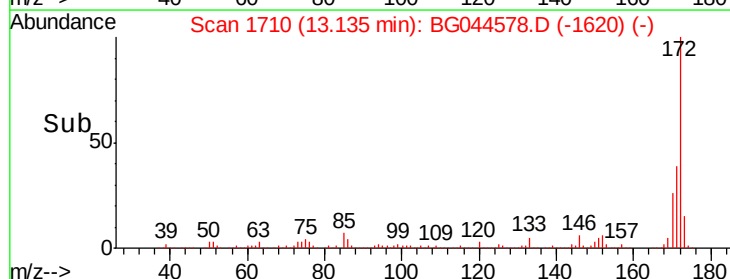
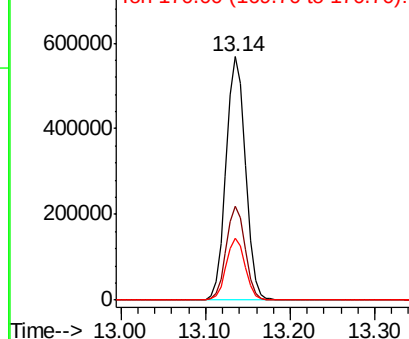
172 100

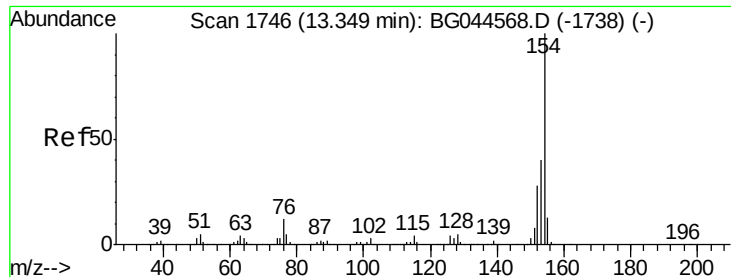
171 38.6 31.3 46.9

170 25.5 21.0 31.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

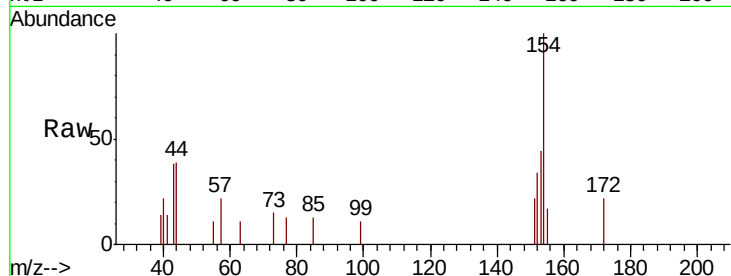




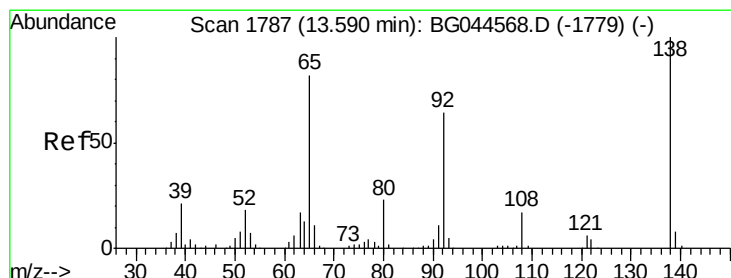
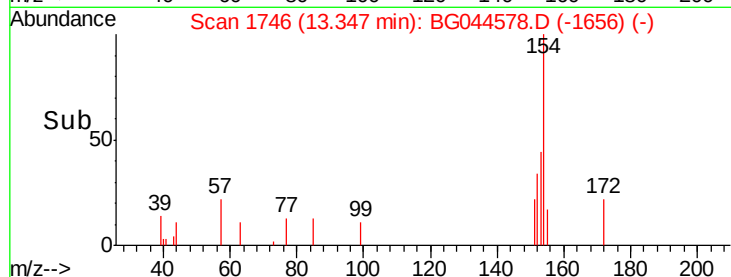
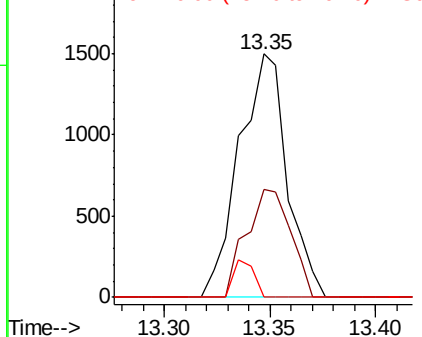
#46
 1,1'-Biphenyl
 Concen: 0.185 ng
 RT: 13.35 min Scan# 1746
 Delta R.T. -0.00 min
 Lab File: BG044578.D
 Acq: 25 Feb 2020 15:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
154	100		
153	44.5	20.2	60.2
76	0.0	0.0	31.8

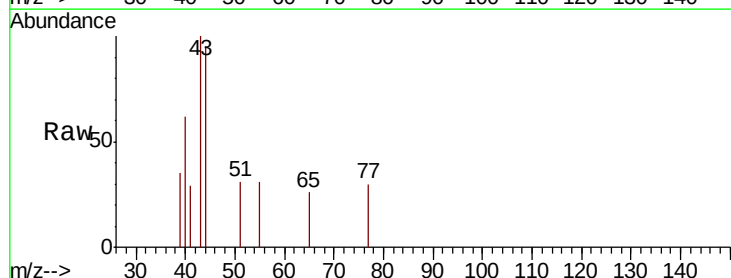


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

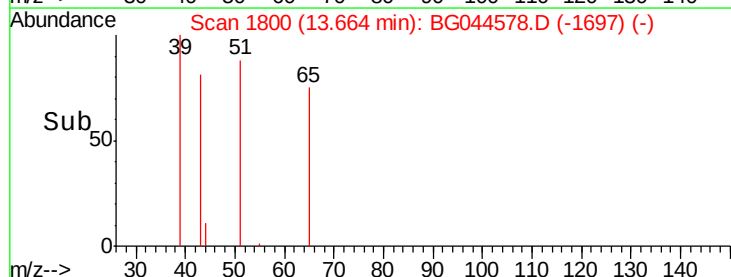
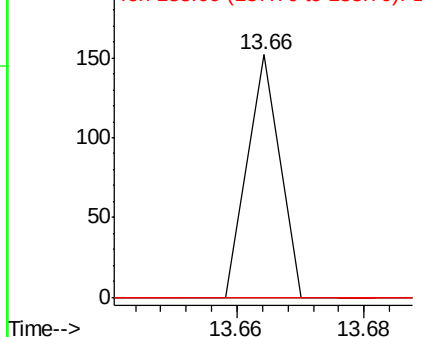


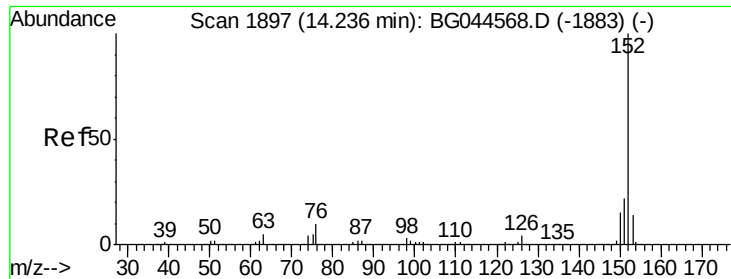
#48
 2-Nitroaniline
 Concen: 0.020 ng
 RT: 13.66 min Scan# 1800
 Delta R.T. 0.07 min
 Lab File: BG044578.D
 Acq: 25 Feb 2020 15:45

Tgt Ion	Ratio	Lower	Upper
65	100		
92	0.0	62.2	93.2#
138	0.0	97.6	146.4#



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





#49

Acenaphthylene

Concen: 0.004 ng

RT: 14.62 min Scan# 1963

Delta R.T. 0.39 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

Instrument :

BNA_G

ClientSampleId :

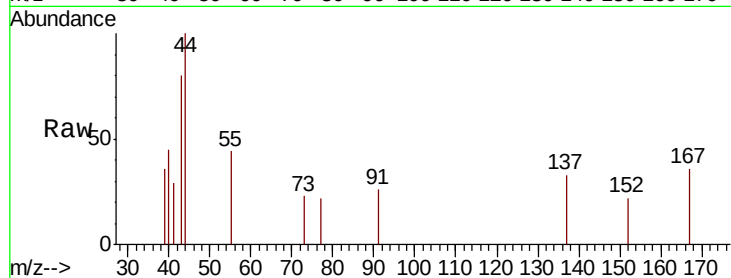
Tot Ion:152 Resp: 54

Ion Ratio Lower Upper

152 100

151 0.0 17.7 26.5#

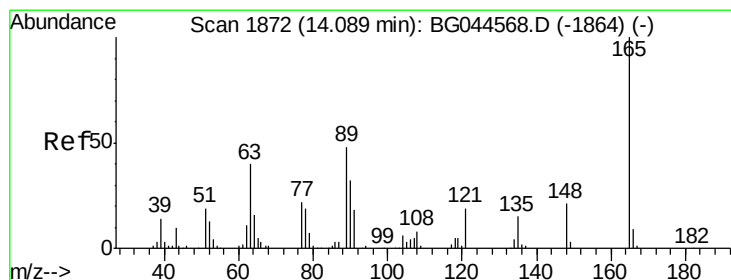
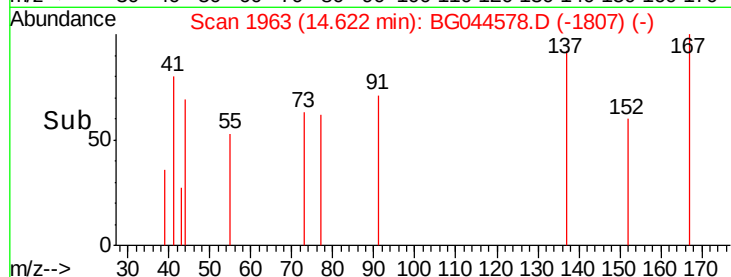
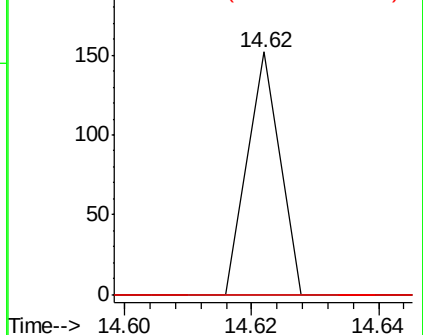
153 0.0 11.3 16.9#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#51

2,6-Dinitrotoluene

Concen: 7.442 ng

RT: 14.52 min Scan# 1945

Delta R.T. 0.43 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

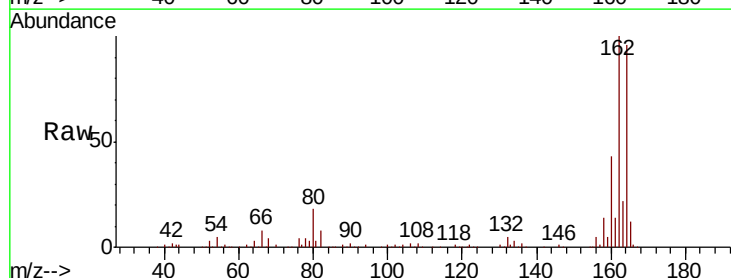
Tgt Ion:165 Resp: 20343

Ion Ratio Lower Upper

165 100

63 1.7 35.8 53.6#

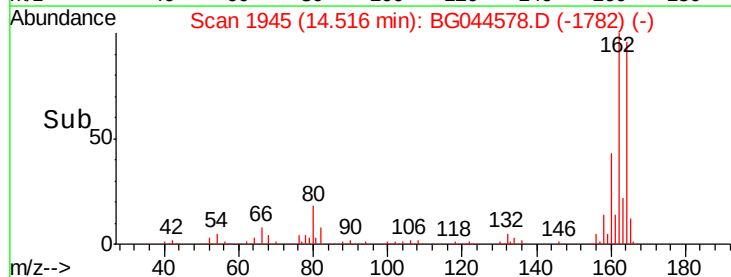
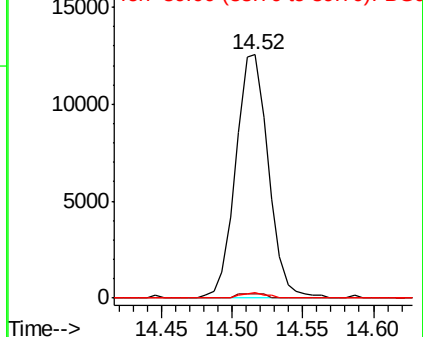
89 2.1 38.7 58.1#

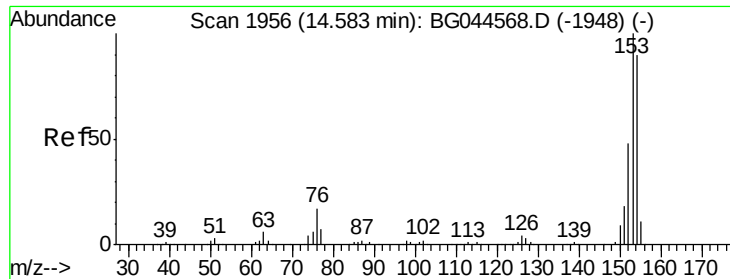


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0





#52

Acenaphthene

Concen: 0.052 ng

RT: 14.52 min Scan# 1945

Delta R.T. -0.07 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

Instrument :

BNA_G

ClientSampleId :

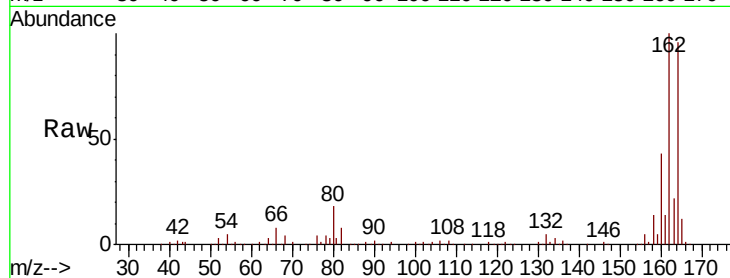
Tot Ion:154 Resp: 487

Ion Ratio Lower Upper

154 100

153 0.0 89.4 134.0#

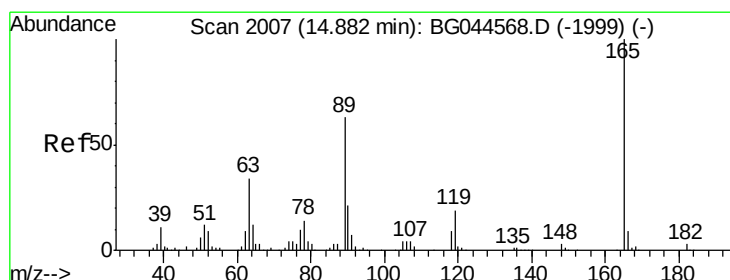
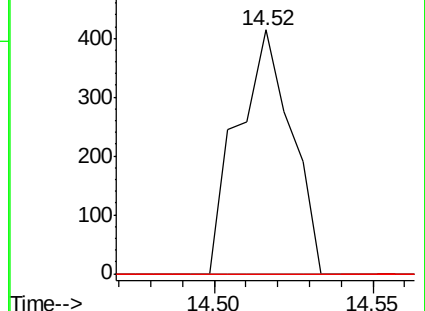
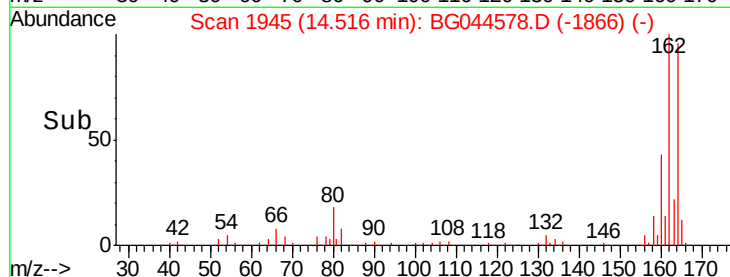
152 0.0 43.0 64.4#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

2,4-Dinitrotoluene

Concen: 5.293 ng

RT: 14.52 min Scan# 1945

Delta R.T. -0.37 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

Tgt Ion:165 Resp: 20343

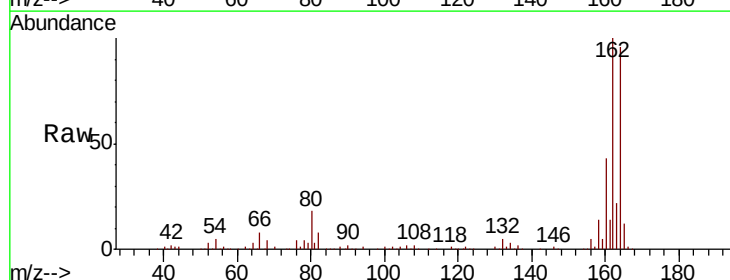
Ion Ratio Lower Upper

165 100

63 1.7 27.5 41.3#

89 2.1 50.0 75.0#

182 0.0 2.3 3.5#

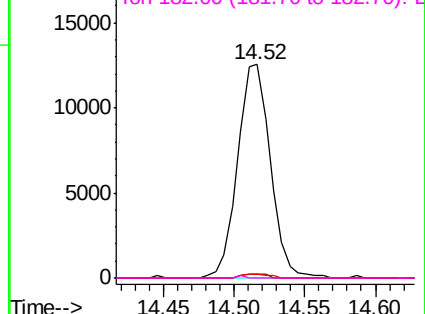
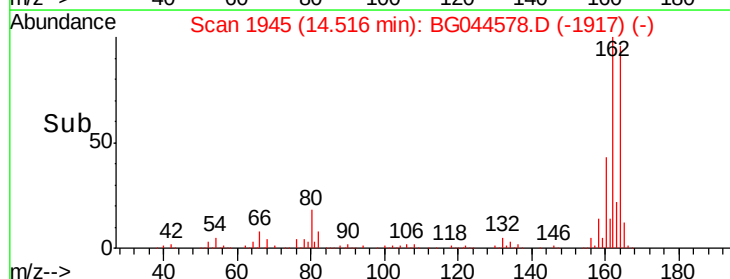


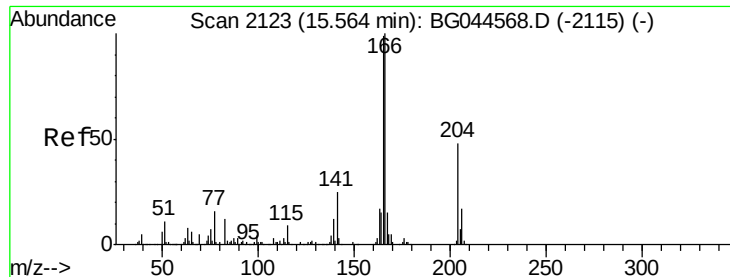
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 1.071 ng

RT: 16.00 min Scan# 2198

Delta R.T. 0.44 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

Instrument :

BNA_G

ClientSampleId :

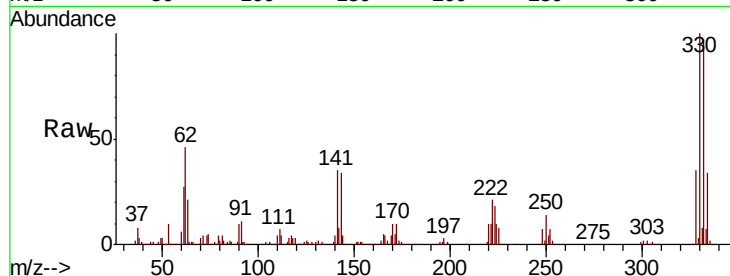
Tot Ion:166 Resp: 12213

Ion Ratio Lower Upper

166 100

165 106.2 79.2 118.8

167 34.2 11.7 17.5#

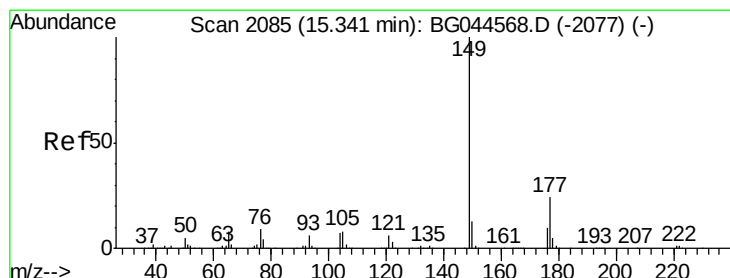
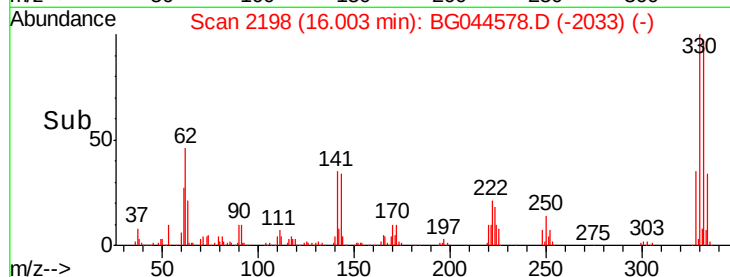
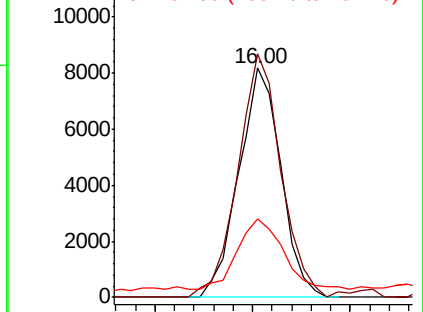


Abundance

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



#60

Diethylphthalate

Concen: 0.029 ng

RT: 15.33 min Scan# 2084

Delta R.T. -0.01 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

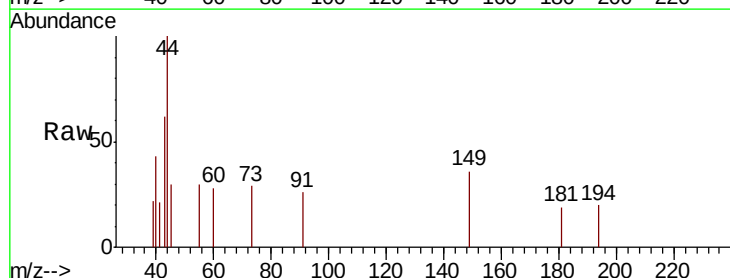
Tgt Ion:149 Resp: 352

Ion Ratio Lower Upper

149 100

177 0.0 19.2 28.8#

150 0.0 10.2 15.4#

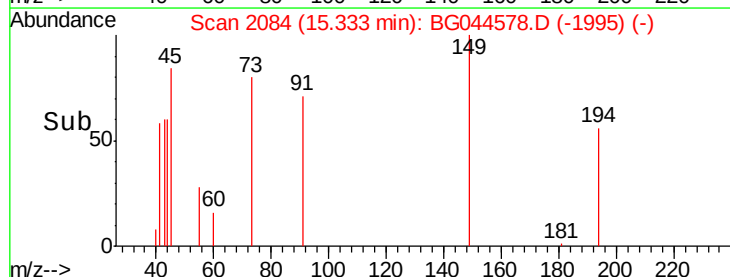
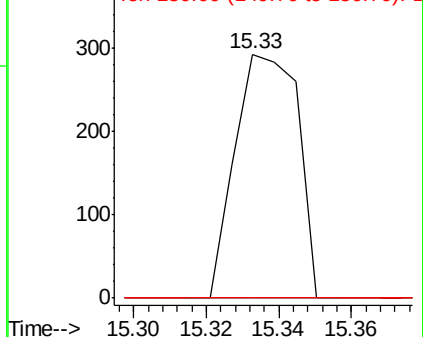


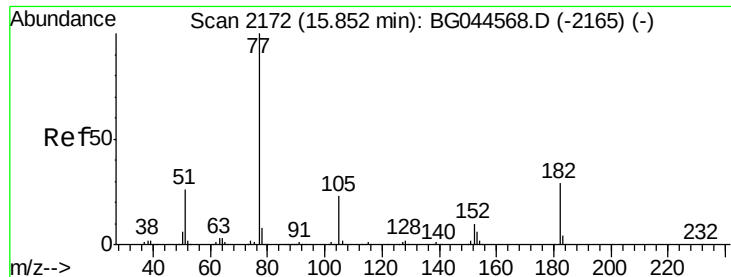
Abundance

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





#63

Azobenzene

Concen: 0.043 ng

RT: 15.81 min Scan# 2165

Delta R.T. -0.04 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 77 Resp: 447

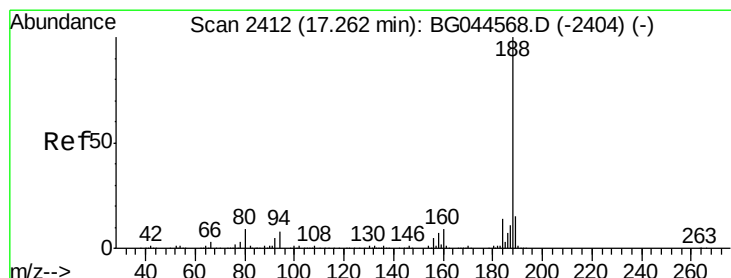
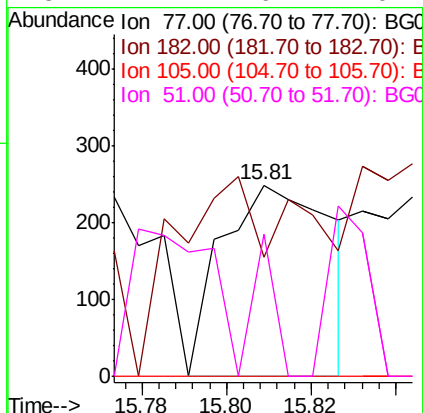
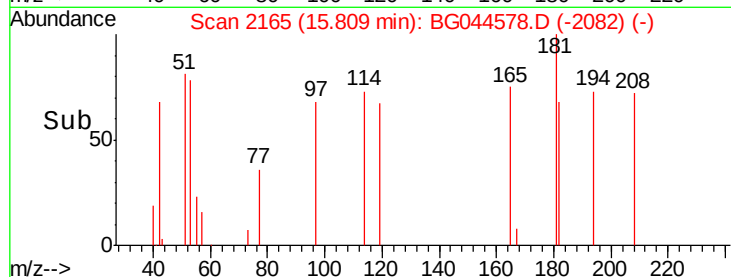
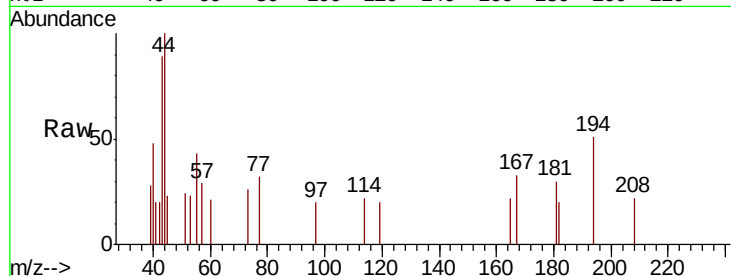
Ion Ratio Lower Upper

77 100

182 62.7 9.4 49.4#

105 0.0 3.4 43.4#

51 74.7 6.4 46.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.26 min Scan# 2412

Delta R.T. -0.00 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

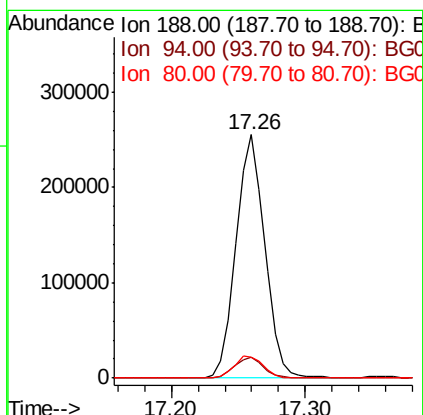
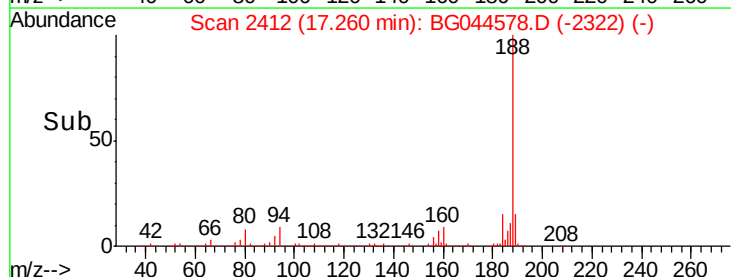
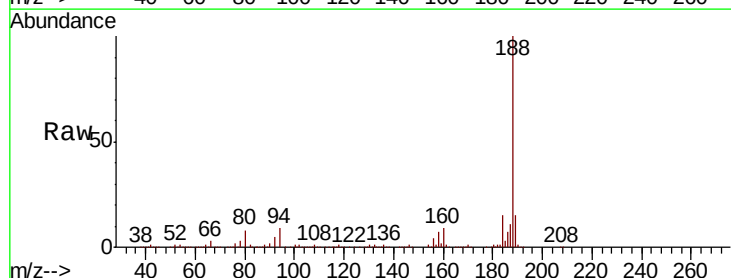
Tgt Ion: 188 Resp: 382122

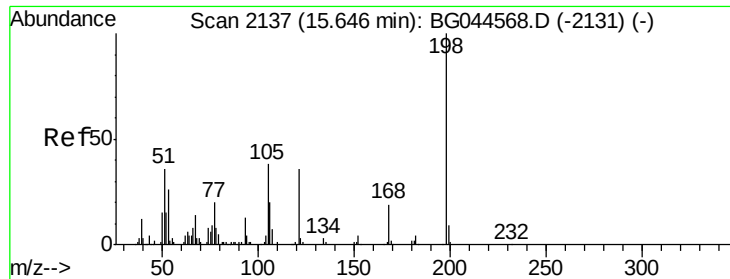
Ion Ratio Lower Upper

188 100

94 8.6 6.7 10.1

80 8.5 7.6 11.4





#65

4,6-Dinitro-2-methylphenol

Concen: 0.360 ng

RT: 16.00 min Scan# 2198

Delta R.T. 0.36 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

Instrument :

BNA_G

ClientSampleId :

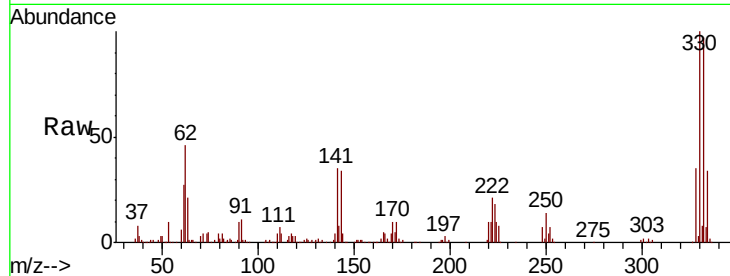
Tot Ion:198 Resp: 851

Ion Ratio Lower Upper

198 100

51 144.1 17.0 57.0#

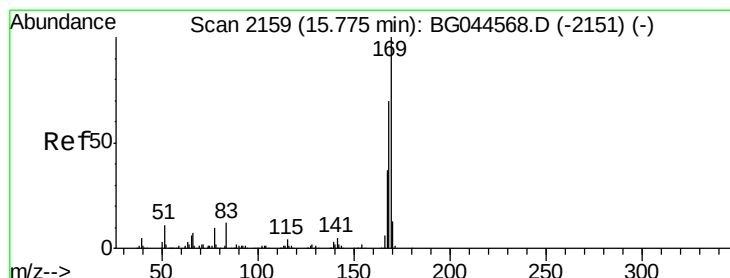
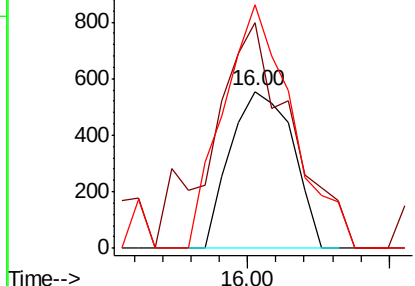
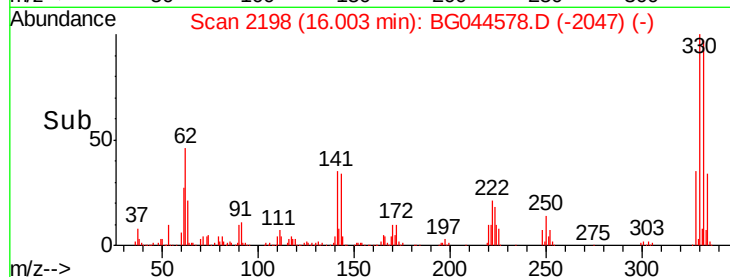
105 155.1 18.4 58.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 0.786 ng

RT: 16.00 min Scan# 2198

Delta R.T. 0.23 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

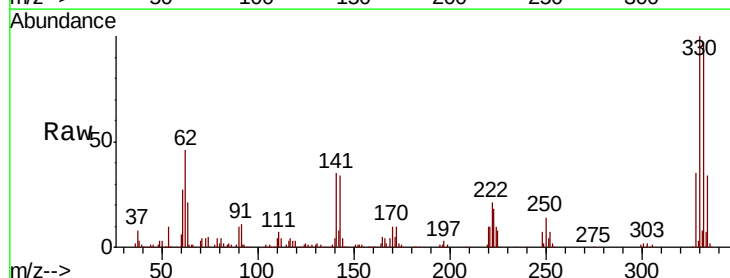
Tgt Ion:169 Resp: 9367

Ion Ratio Lower Upper

169 100

168 8.3 56.1 84.1#

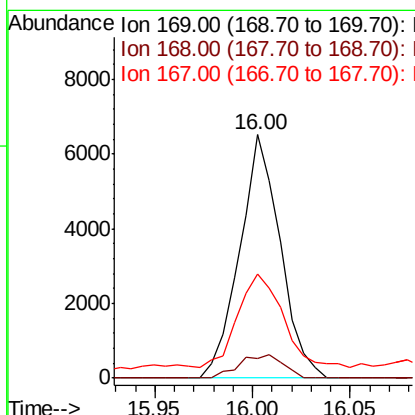
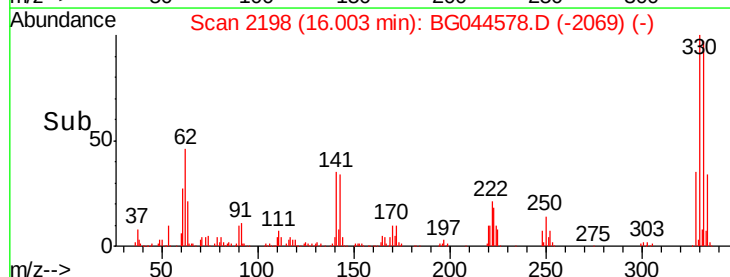
167 43.0 29.4 44.0

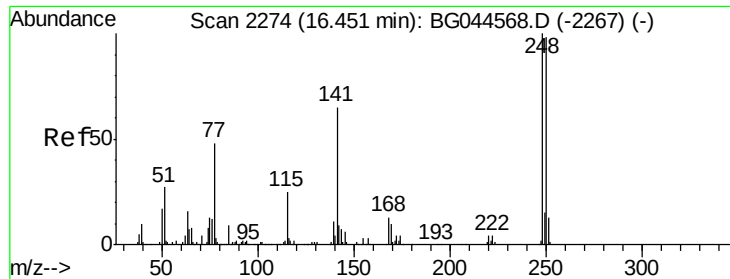


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

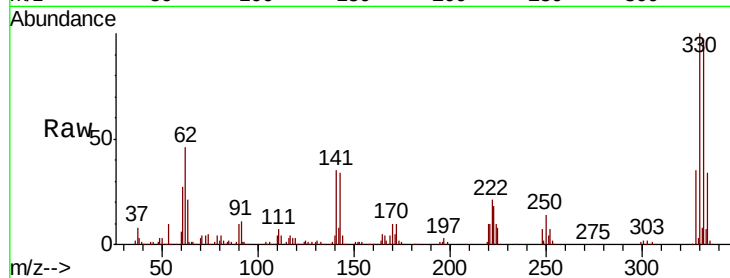




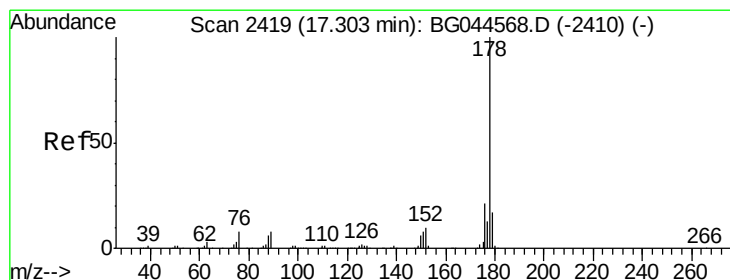
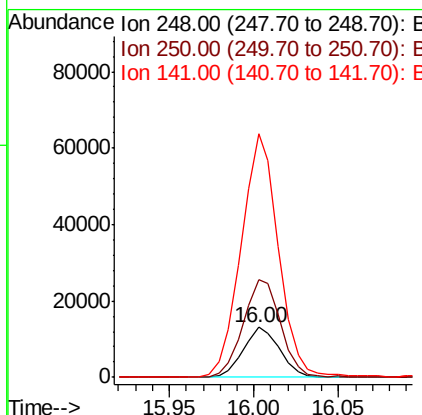
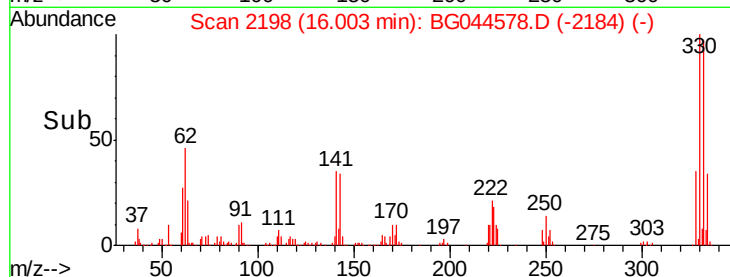
#67
4-Bromophenyl-phenylether
Concen: 4.124 ng
RT: 16.00 min Scan# 2198
Delta R.T. -0.45 min
Lab File: BG044578.D
Acq: 25 Feb 2020 15:45

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 19560
Ion Ratio Lower Upper
248 100
250 194.4 78.7 118.1#
141 486.5 52.3 78.5#

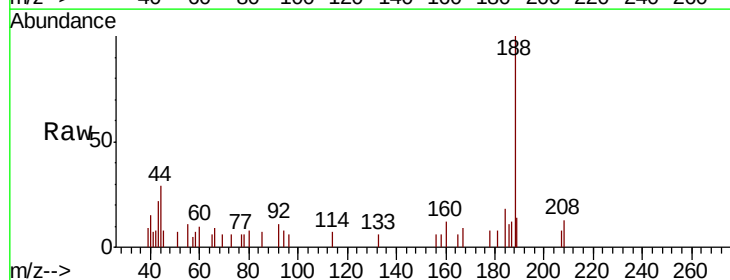


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

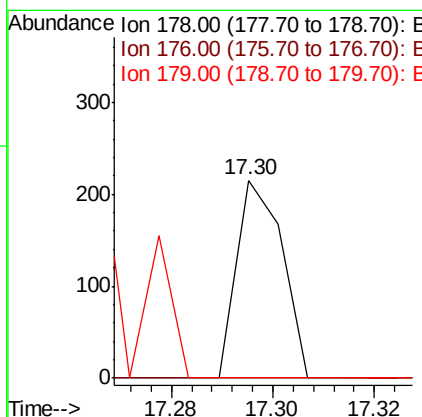
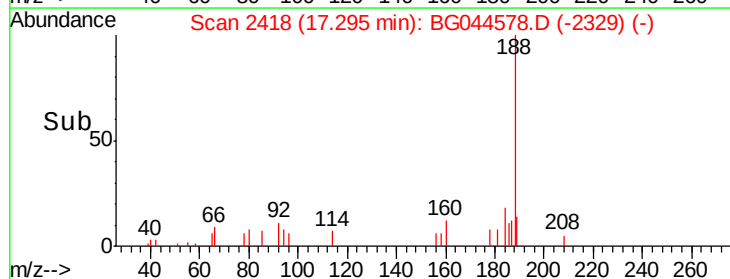


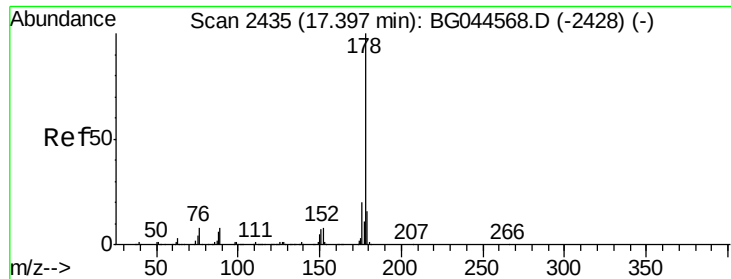
#71
Phenanthrene
Concen: 0.006 ng
RT: 17.30 min Scan# 2418
Delta R.T. -0.01 min
Lab File: BG044578.D
Acq: 25 Feb 2020 15:45

Tgt Ion:178 Resp: 135
Ion Ratio Lower Upper
178 100
176 0.0 16.6 25.0#
179 0.0 13.3 19.9#



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





#72

Anthracene

Concen: 0.006 ng

RT: 17.39 min Scan# 2434

Delta R.T. -0.01 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

Instrument :

BNA_G

ClientSampleId :

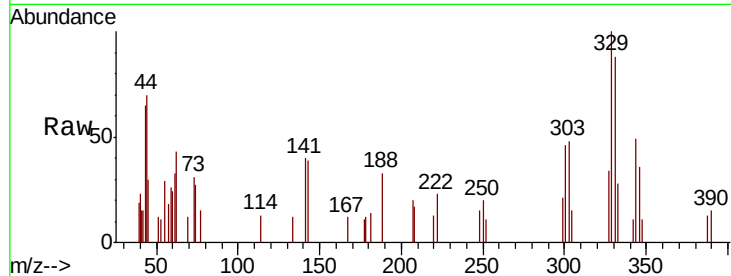
Tot Ion:178 Resp: 115

Ion Ratio Lower Upper

178 100

176 0.0 15.9 23.9#

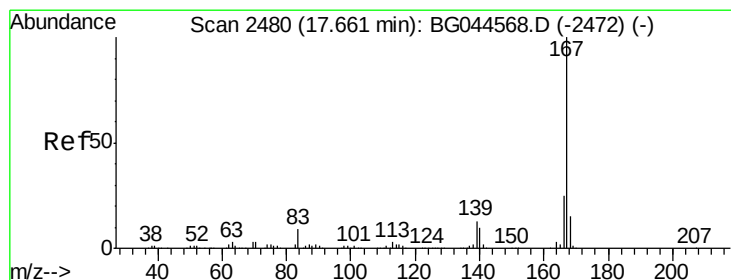
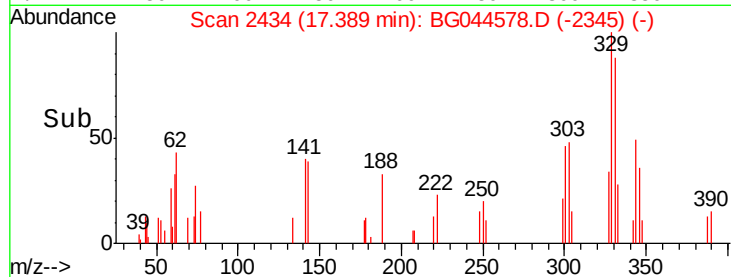
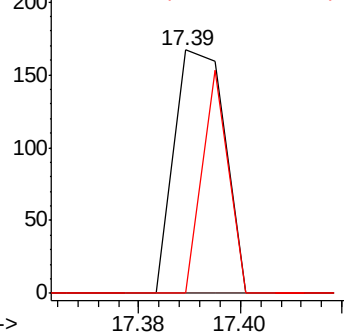
179 0.0 13.1 19.7#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 0.029 ng

RT: 17.67 min Scan# 2482

Delta R.T. 0.01 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

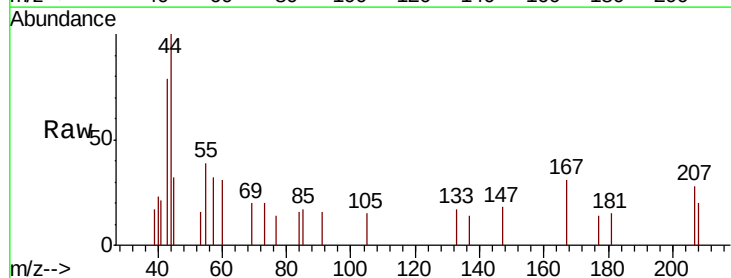
Tgt Ion:167 Resp: 552

Ion Ratio Lower Upper

167 100

166 0.0 19.7 29.5#

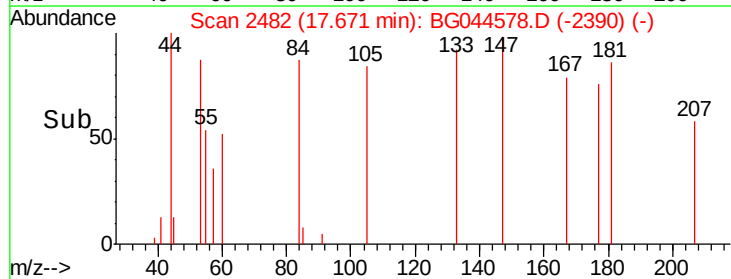
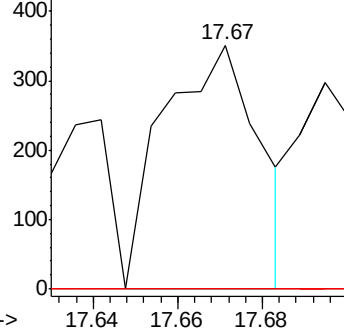
139 0.0 10.6 15.8#

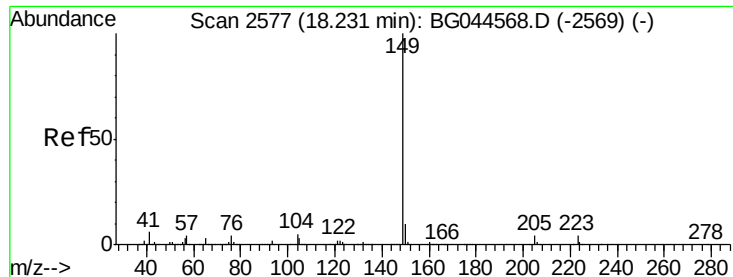


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

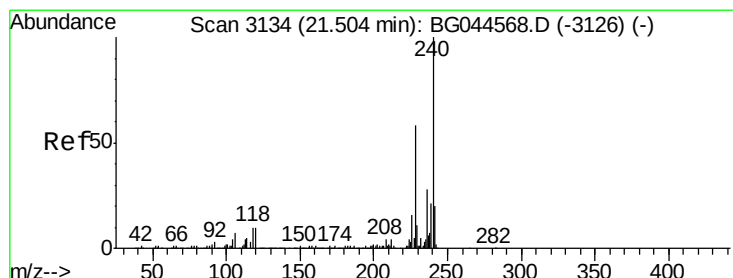
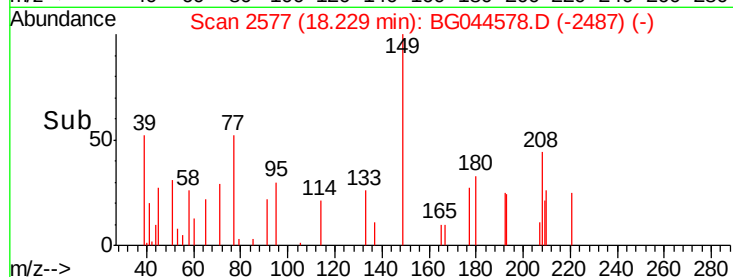
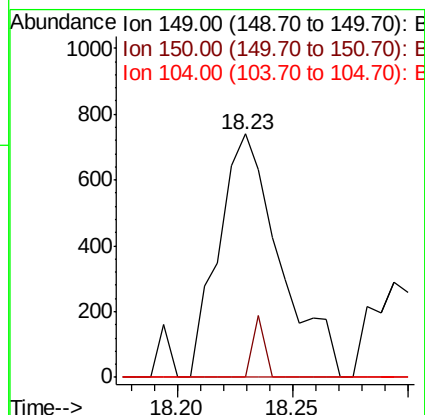
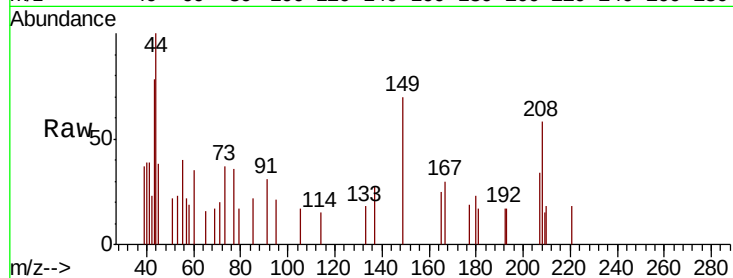




#74
Di-n-butylphthalate
Concen: 0.058 ng
RT: 18.23 min Scan# 2577
Delta R.T. -0.00 min
Lab File: BG044578.D
Acq: 25 Feb 2020 15:45

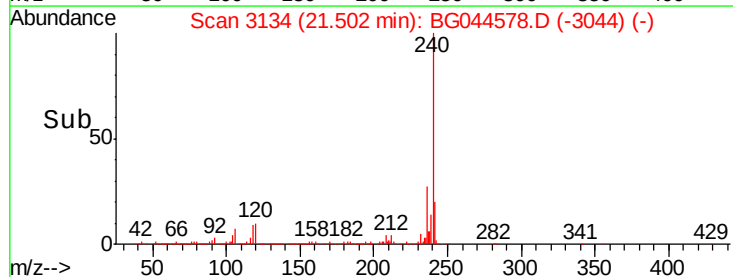
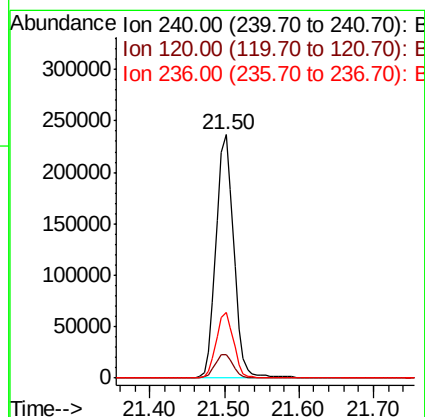
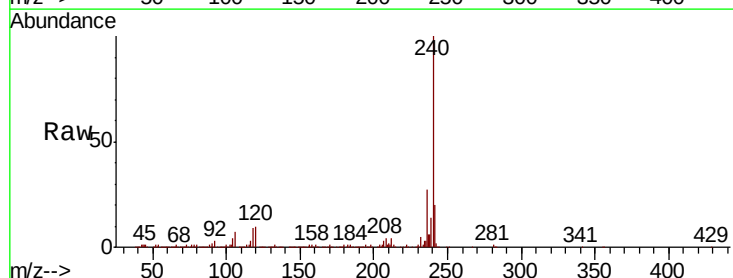
Instrument :
BNA_G
ClientSampleId :

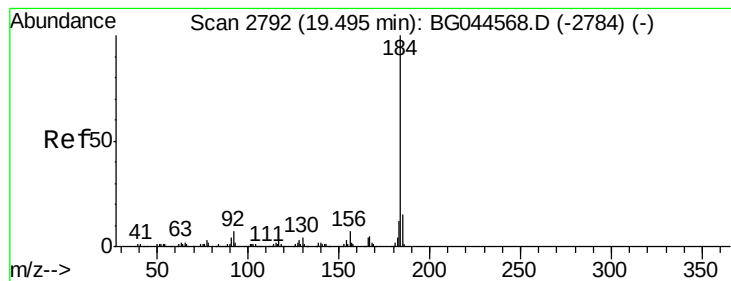
Tot Ion:149 Resp: 1370
Ion Ratio Lower Upper
149 100
150 0.0 7.8 11.8#
104 0.0 4.0 6.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.50 min Scan# 3134
Delta R.T. -0.00 min
Lab File: BG044578.D
Acq: 25 Feb 2020 15:45

Tgt Ion:240 Resp: 391816
Ion Ratio Lower Upper
240 100
120 9.6 8.3 12.5
236 26.9 22.3 33.5





#77

Benzidine

Concen: 2.018 ng

RT: 19.88 min Scan# 2858

Delta R.T. 0.39 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

Instrument :

BNA_G

ClientSampled :

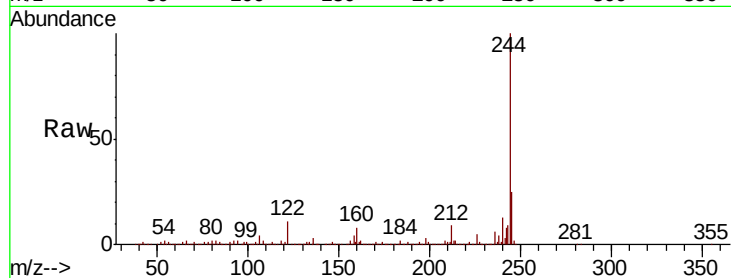
Tot Ion:184 Resp: 27081

Ion Ratio Lower Upper

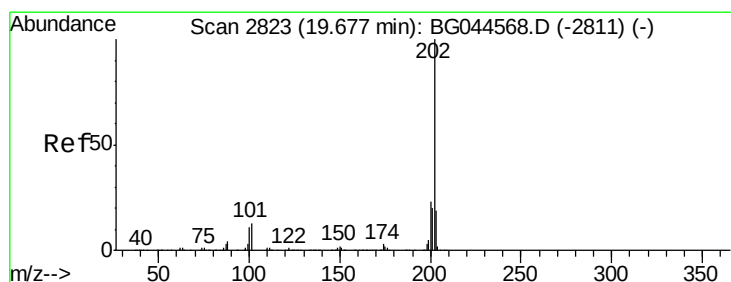
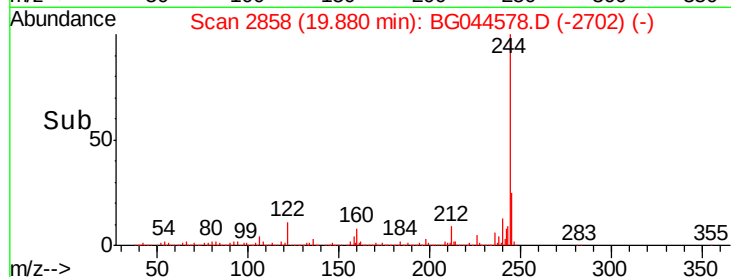
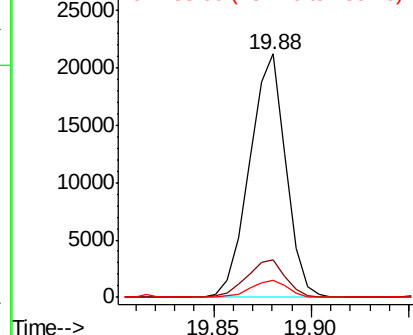
184 100

185 15.4 12.2 18.4

183 6.8 9.9 14.9#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 0.224 ng

RT: 19.88 min Scan# 2858

Delta R.T. 0.20 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

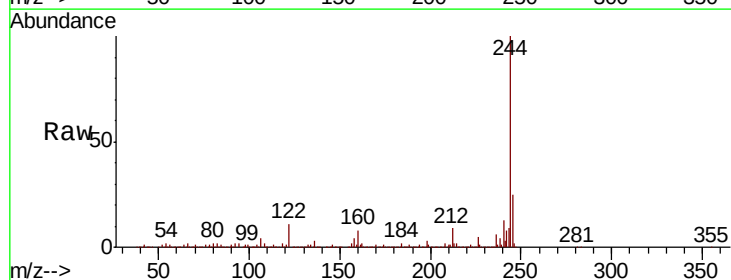
Tgt Ion:202 Resp: 6381

Ion Ratio Lower Upper

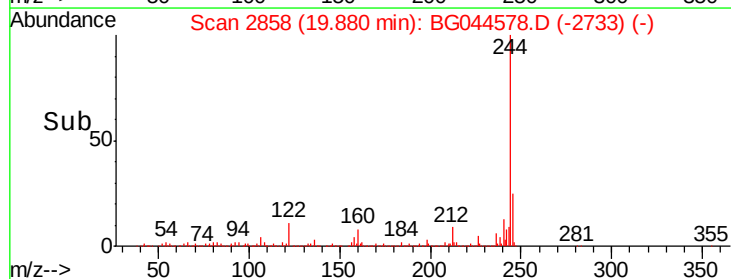
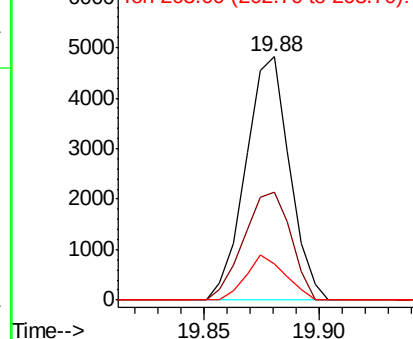
202 100

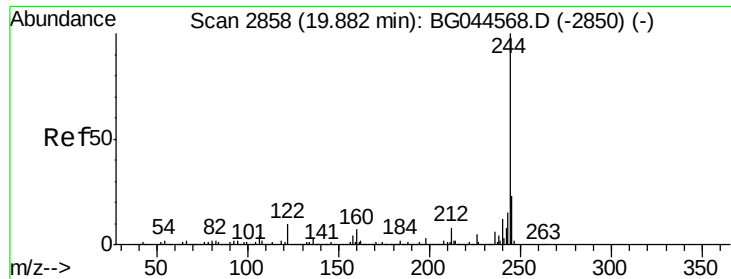
200 44.4 18.6 28.0#

203 14.9 15.3 22.9#



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





#79

Terphenyl-d14

Concen: 81.390 ng

RT: 19.88 min Scan# 2858

Delta R.T. -0.00 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

Instrument :

BNA_G

ClientSampleId :

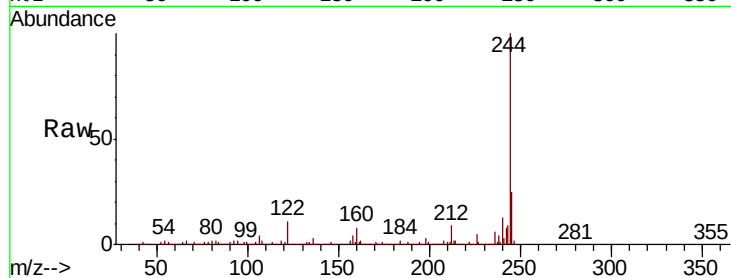
Tot Ion:244 Resp: 1684568

Ion Ratio Lower Upper

244 100

212 8.6 6.5 9.7

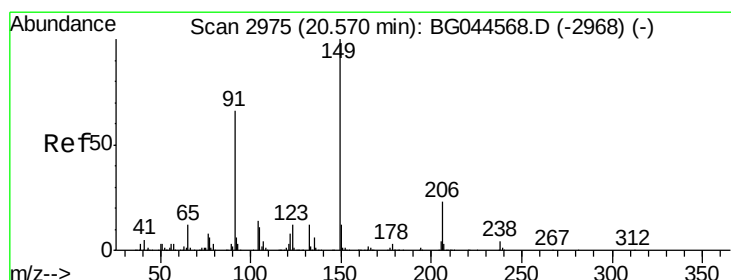
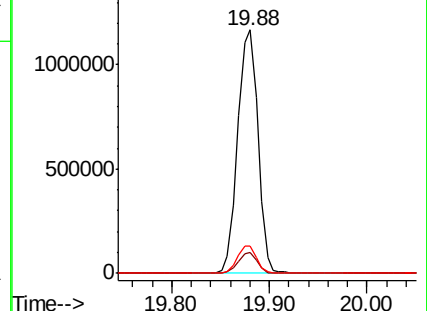
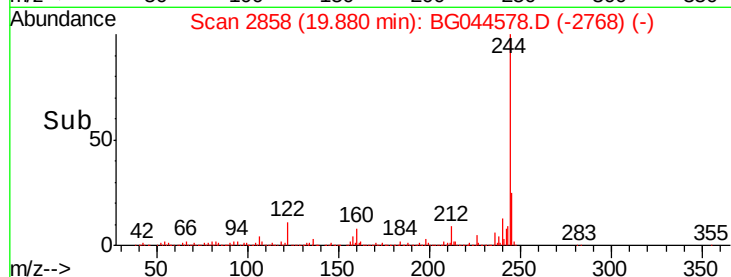
122 11.4 8.2 12.4



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



#80

Butylbenzylphthalate

Concen: 0.057 ng

RT: 20.57 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

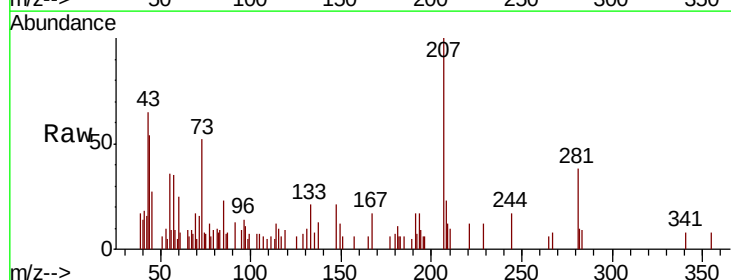
Tgt Ion:149 Resp: 711

Ion Ratio Lower Upper

149 100

91 105.5 52.7 79.1#

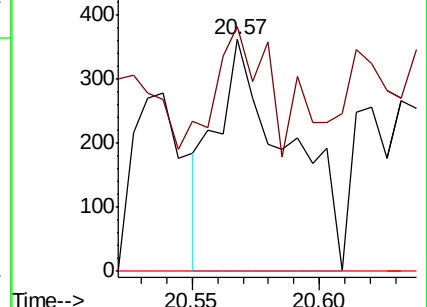
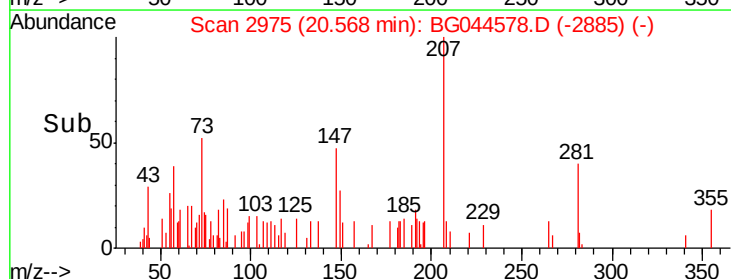
206 0.0 18.6 28.0#

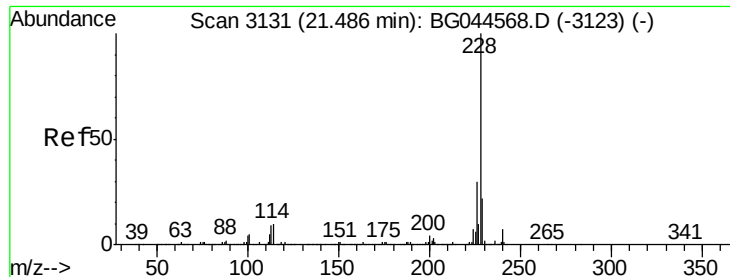


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

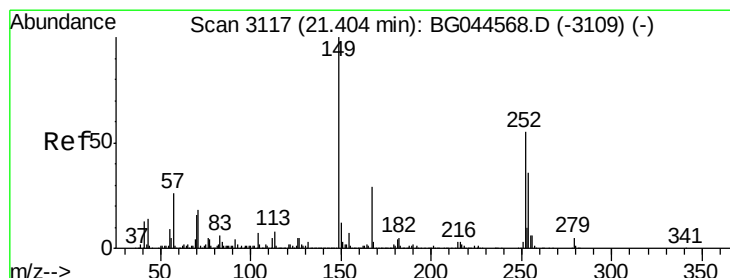
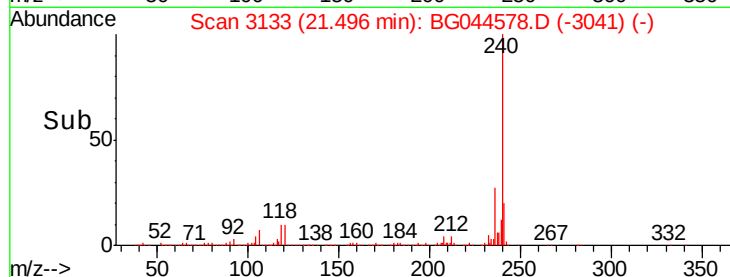
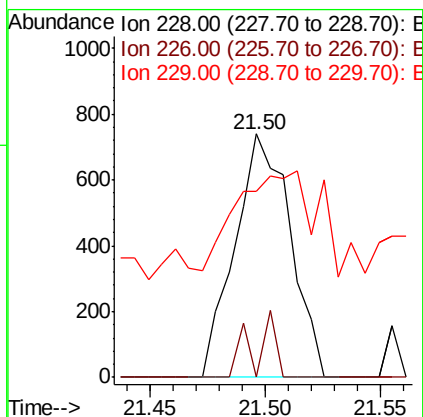
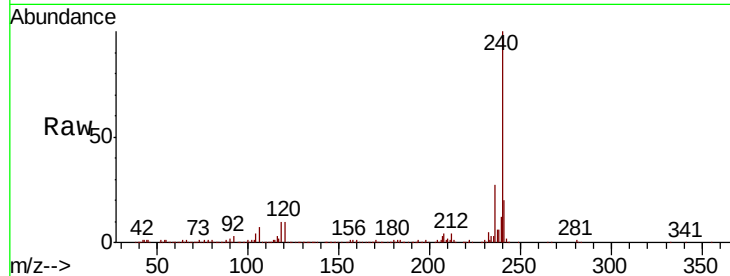




#81
Benzo(a)anthracene
Concen: 0.045 ng
RT: 21.50 min Scan# 3133
Delta R.T. 0.01 min
Lab File: BG044578.D
Acq: 25 Feb 2020 15:45

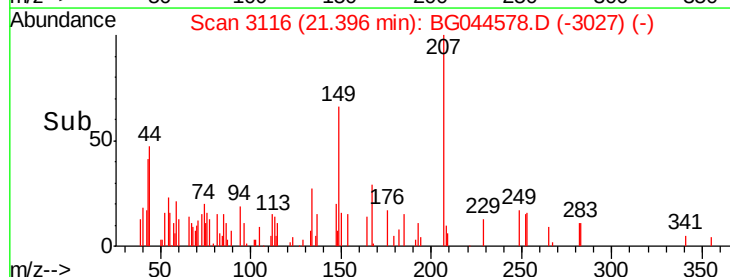
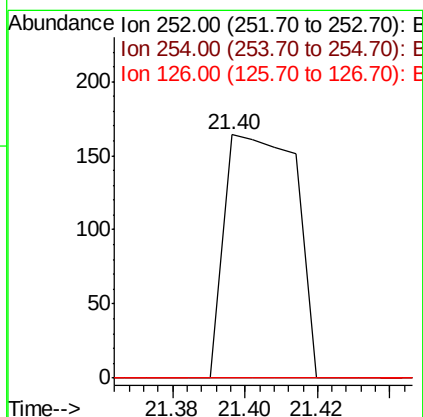
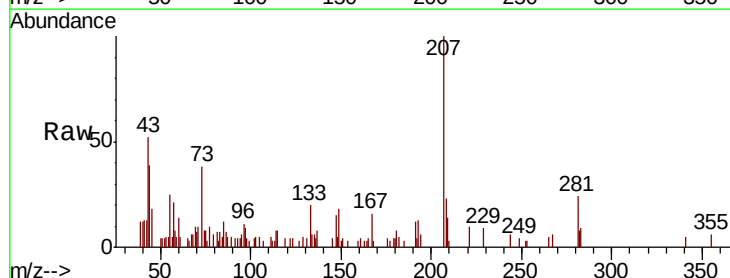
Instrument :
BNA_G
ClientSampled :

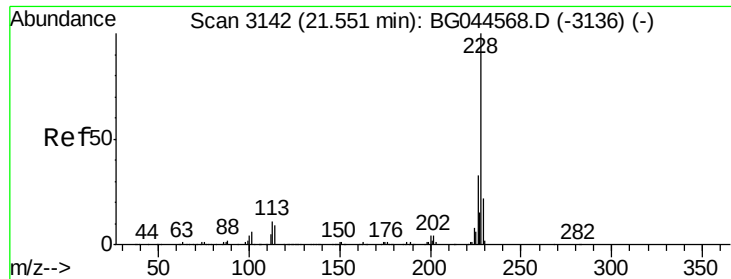
Tot Ion:228 Resp: 1232
Ion Ratio Lower Upper
228 100
226 0.0 23.8 35.8#
229 76.4 17.2 25.8#



#82
3,3'-Dichlorobenzidine
Concen: 0.020 ng
RT: 21.40 min Scan# 3116
Delta R.T. -0.01 min
Lab File: BG044578.D
Acq: 25 Feb 2020 15:45

Tgt Ion:252 Resp: 223
Ion Ratio Lower Upper
252 100
254 0.0 51.5 77.3#
126 0.0 7.8 11.6#

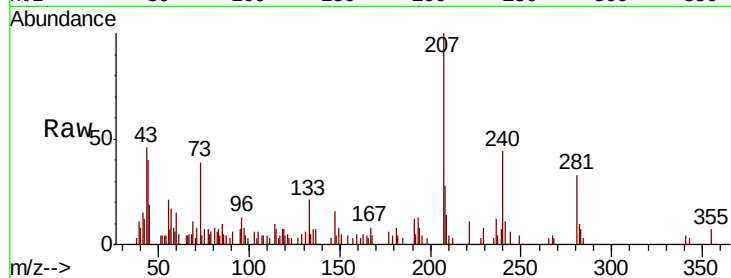




#83
 Chrysene
 Concen: 0.002 ng
 RT: 21.55 min Scan# 3143
 Delta R.T. 0.00 min
 Lab File: BG044578.D
 Acq: 25 Feb 2020 15:45

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
228	100		
226	0.0	26.1	39.1#
229	275.0	17.2	25.8#

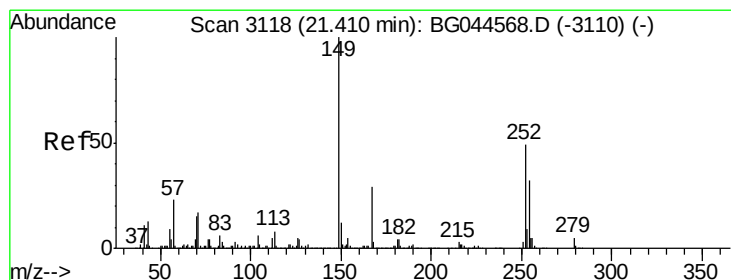
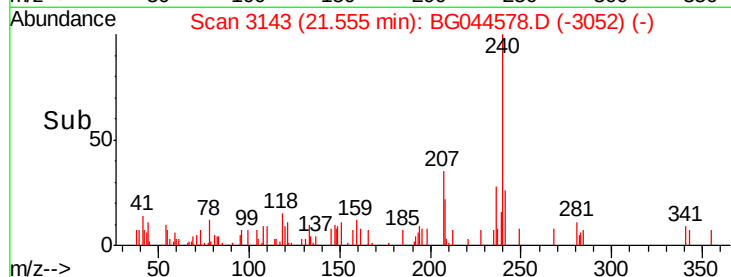
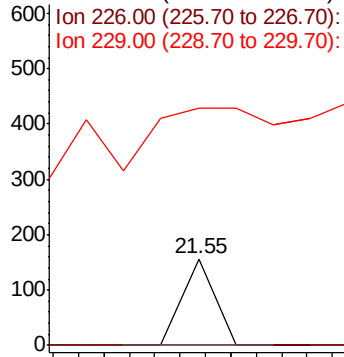


Abundance

Ion 228.00 (227.70 to 228.70): E

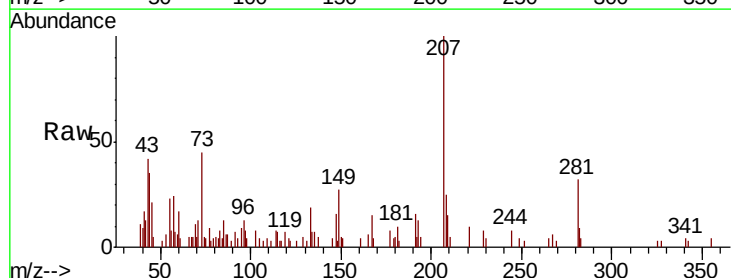
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.105 ng
 RT: 21.40 min Scan# 3117
 Delta R.T. -0.01 min
 Lab File: BG044578.D
 Acq: 25 Feb 2020 15:45

Tgt Ion	Ratio	Lower	Upper
149	100		
167	53.5	23.4	35.0#
279	0.0	4.2	6.4#

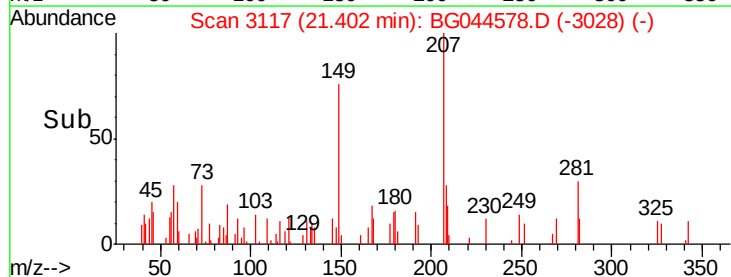
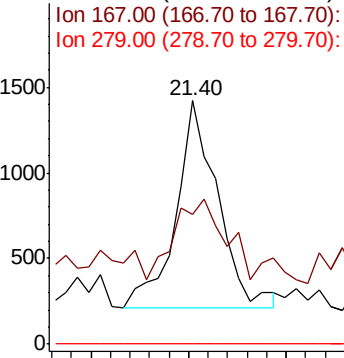


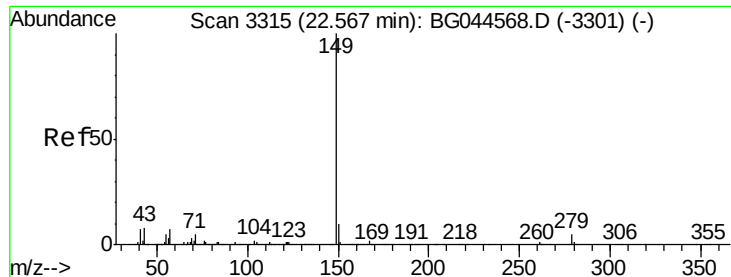
Abundance

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





#85

Di-n-octyl phthalate

Concen: 0.008 ng

RT: 22.55 min Scan# 3313

Delta R.T. -0.01 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

Instrument :

BNA_G

ClientSampled :

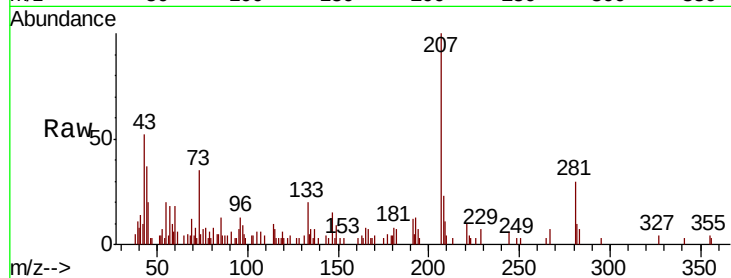
Tot Ion:149 Resp: 231

Ion Ratio Lower Upper

149 100

167 115.6 1.3 1.9#

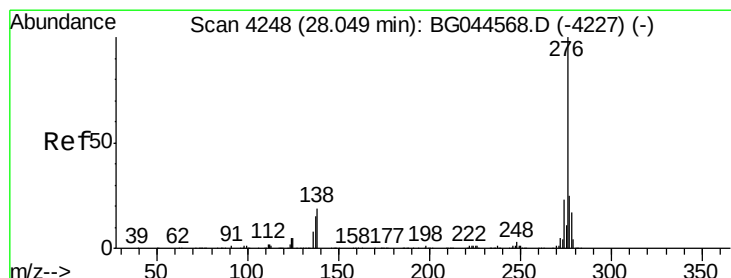
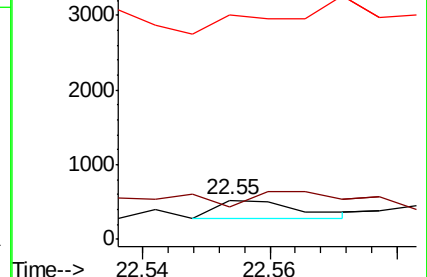
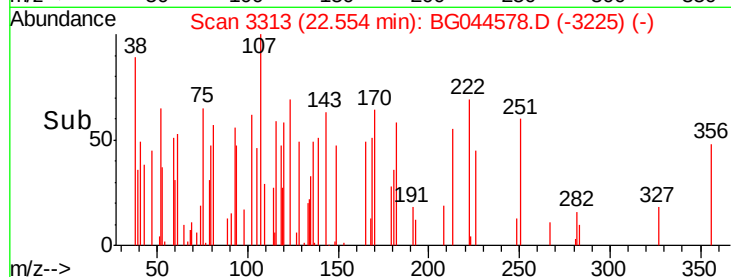
43 421.2 6.6 10.0#



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): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 0.002 ng

RT: 28.05 min Scan# 4248

Delta R.T. -0.00 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

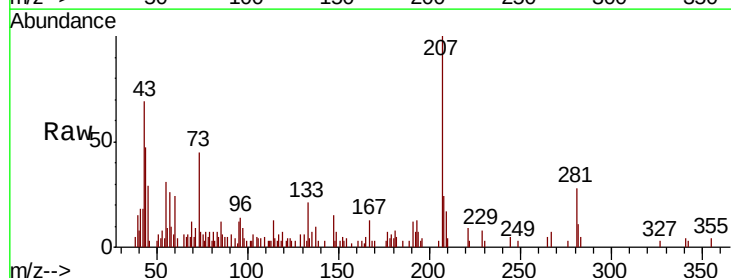
Tgt Ion:276 Resp: 54

Ion Ratio Lower Upper

276 100

138 379.6 18.2 27.4#

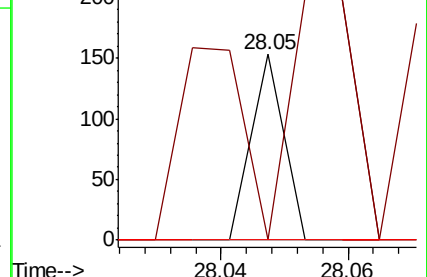
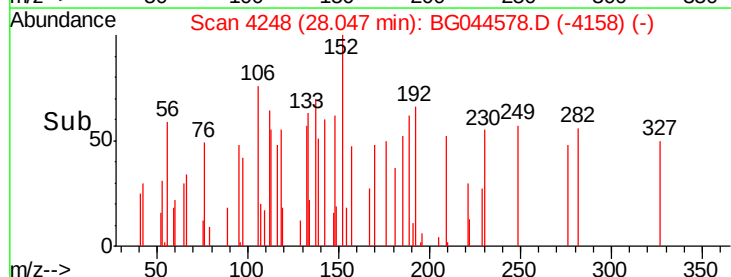
277 0.0 20.7 31.1#

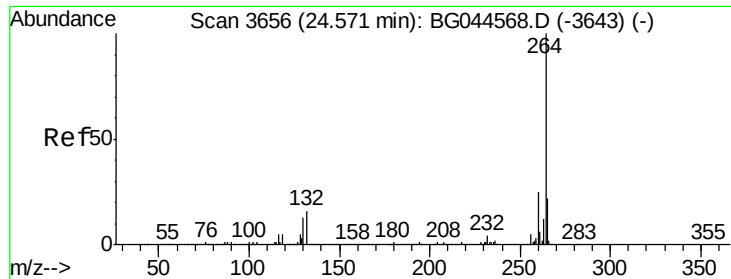


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

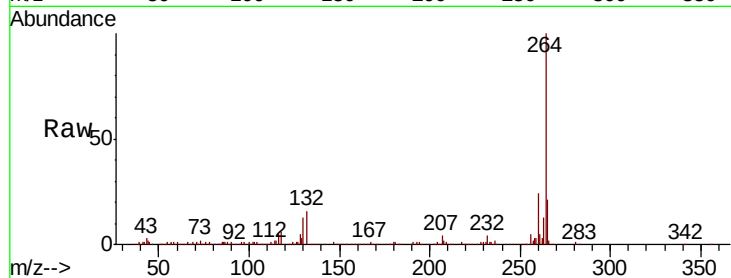




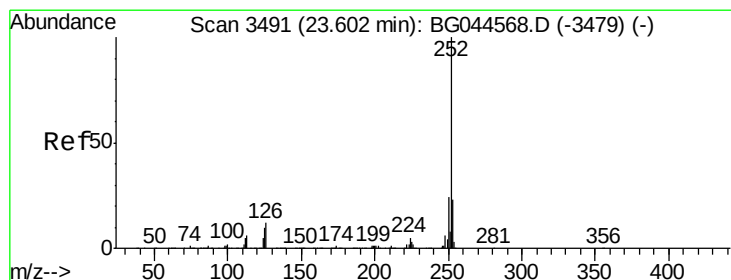
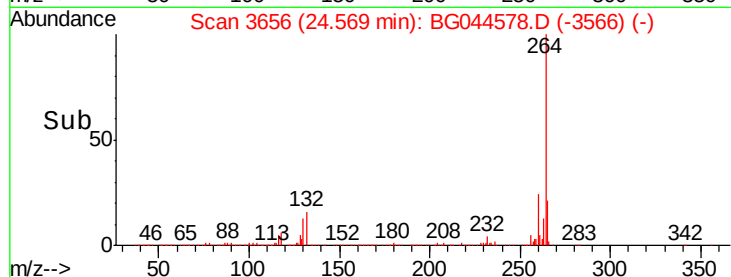
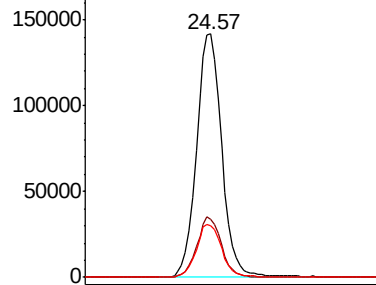
#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.57 min Scan# 3656
Delta R.T. -0.00 min
Lab File: BG044578.D
Acq: 25 Feb 2020 15:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.7	29.5
265	21.2	17.8	26.8

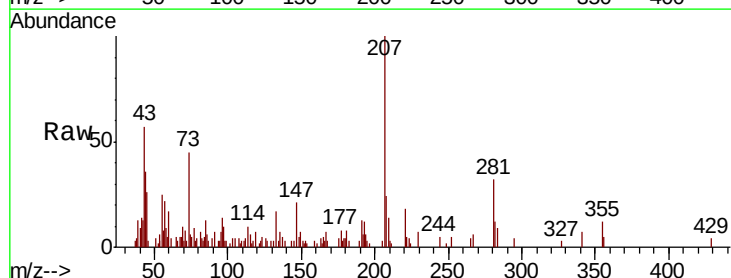


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

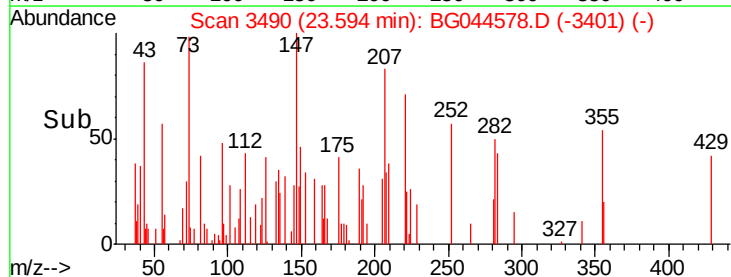
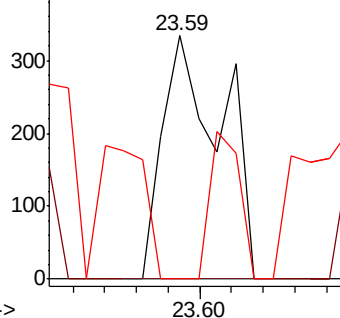


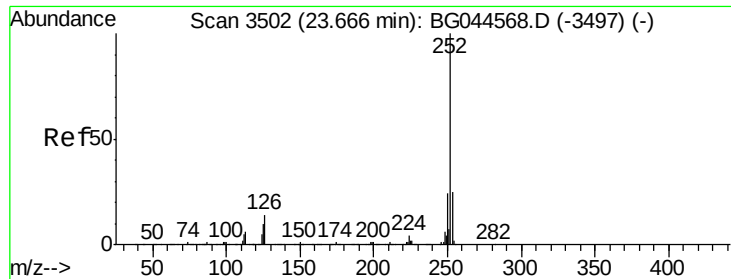
#88
Benzo(b)fluoranthene
Concen: 0.016 ng
RT: 23.59 min Scan# 3490
Delta R.T. -0.01 min
Lab File: BG044578.D
Acq: 25 Feb 2020 15:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	0.0	18.4	27.6#
125	0.0	7.9	11.9#



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

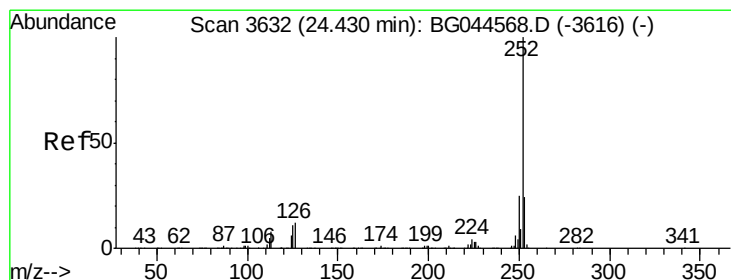
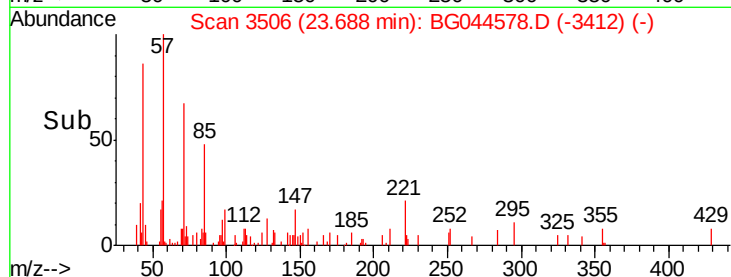
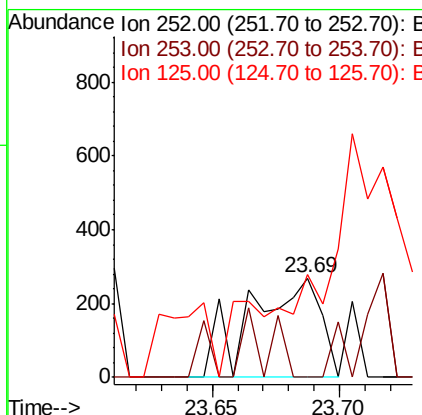
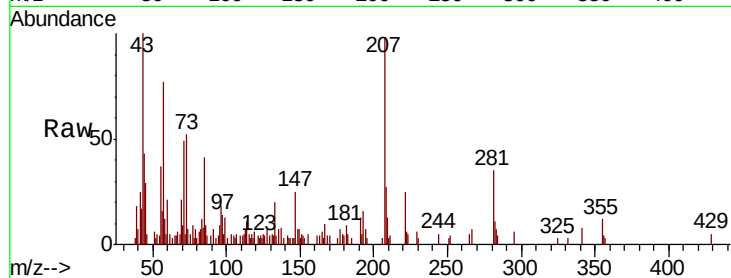




#89
Benzo(k)fluoranthene
Concen: 0.020 ng
RT: 23.69 min Scan# 3506
Delta R.T. 0.02 min
Lab File: BG044578.D
Acq: 25 Feb 2020 15:45

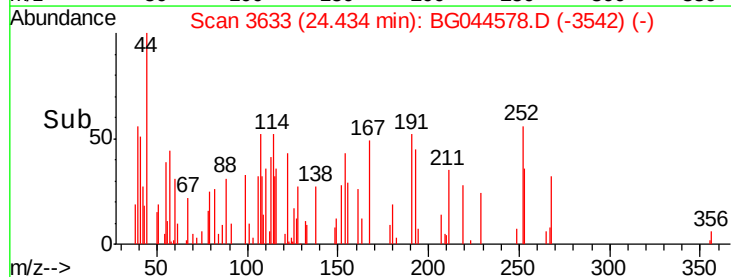
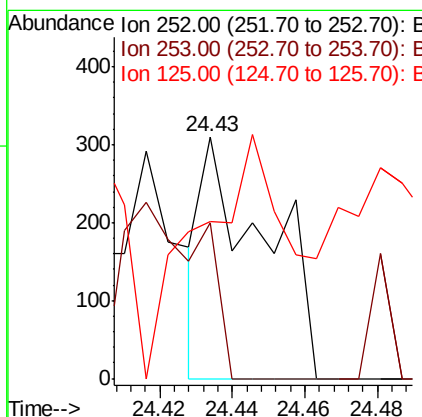
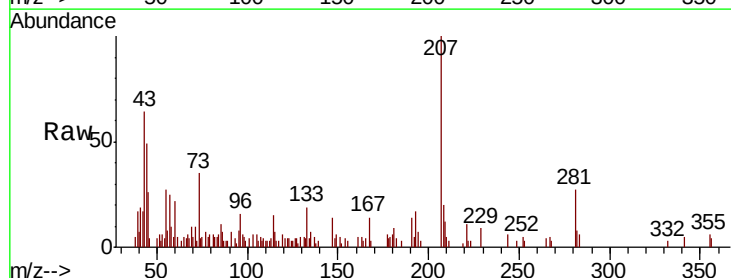
Instrument :
BNA_G
ClientSampleId :

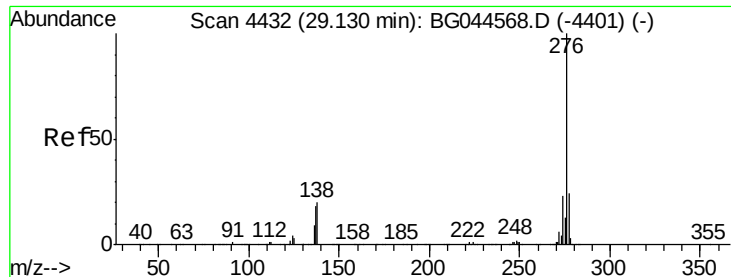
Tot Ion:252 Resp: 516
Ion Ratio Lower Upper
252 100
253 0.0 19.0 28.6#
125 104.1 7.8 11.8#



#90
Benzo(a)pyrene
Concen: 0.015 ng
RT: 24.43 min Scan# 3633
Delta R.T. 0.00 min
Lab File: BG044578.D
Acq: 25 Feb 2020 15:45

Tgt Ion:252 Resp: 374
Ion Ratio Lower Upper
252 100
253 64.5 19.0 28.4#
125 64.8 8.5 12.7#





#92

Benzo(a,h,i)perylene

Concen: 0.002 ng

RT: 29.16 min Scan# 4437

Delta R.T. 0.03 min

Lab File: BG044578.D

Acq: 25 Feb 2020 15:45

Instrument :

BNA_G

ClientSampleId :

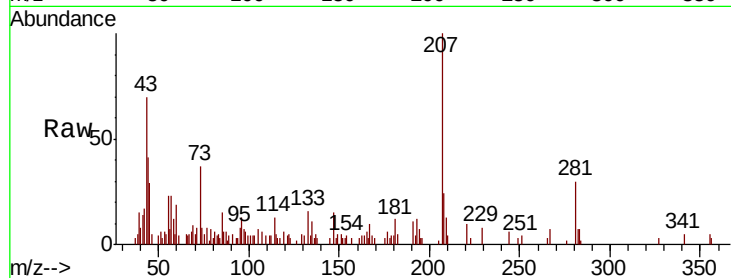
Tot Ion: 276 Resp: 54

Ion Ratio Lower Upper

276 100

277 0.0 19.5 29.3#

138 119.7 16.1 24.1#



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

