

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012020\
 Data File : BG044093.D
 Acq On : 20 Jan 2020 11:46
 Operator : JU
 Sample : SP5028
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP5028

Quant Time: Jan 21 06:13:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	71578	20.00	ng	-0.03
21) Naphthalene-d8	10.74	136	314303	20.00	ng	-0.03
39) Acenaphthene-d10	14.57	164	216276	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	480280	20.00	ng	-0.02
76) Chrysene-d12	21.56	240	413134	20.00	ng	-0.03
87) Perylene-d12	24.67	264	451783	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	666396	170.94	ng	-0.02
7) Phenol-d6	7.11	99	866239	158.97	ng	-0.02
23) Nitrobenzene-d5	9.09	82	515748	87.78	ng	-0.04
42) 2,4,6-Tribromophenol	16.06	330	349787	154.55	ng	-0.02
45) 2-Fluorobiphenyl	13.19	172	1224395	102.57	ng	-0.03
79) Terphenyl-d14	19.93	244	1859433	120.26	ng	-0.03

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.43	88	59	0.035	ng	# 1
3) Pyridine	3.82	79	60	0.012	ng	# 21
4) n-Nitrosodimethylamine	3.73	42	368	0.165	ng	# 1
9) Benzaldehyde	7.10	77	1473	0.422	ng	# 1
12) 1,3-Dichlorobenzene	8.25	146	56	0.010	ng	# 1
13) 1,4-Dichlorobenzene	8.25	146	56	0.011	ng	# 1
14) 1,2-Dichlorobenzene	8.25	146	56	0.011	ng	# 1
15) Benzyl Alcohol	8.25	79	8176	1.901	ng	# 44
22) Acetophenone	8.58	105	56	0.007	ng	# 54
24) Nitrobenzene	9.09	77	1759	0.302	ng	# 41
25) Isophorone	9.57	82	195	0.018	ng	# 65
28) bis(2-Chloroethoxy)methane	10.11	93	59	0.008	ng	# 48
31) Naphthalene	10.78	128	61	0.004	ng	# 66
46) 1,1'-Biphenyl	13.40	154	3179	0.205	ng	# 90
48) 2-Nitroaniline	13.23	65	61	0.015	ng	# 3
49) Acenaphthylene	14.63	152	62	0.003	ng	# 56
52) Acenaphthene	14.58	154	756	0.060	ng	# 4
58) Fluorene	16.05	166	16917	1.228	ng	# 86
63) Azobenzene	16.05	77	2221	0.156	ng	# 22
66) n-Nitrosodiphenylamine	16.05	169	12928	0.914	ng	# 44
71) Phenanthrene	17.32	178	57	0.002	ng	# 1
72) Anthracene	17.32	178	57	0.003	ng	# 1
75) Fluoranthene	19.73	202	66	0.003	ng	# 59
78) Pyrene	19.93	202	6931	0.257	ng	# 74
80) Butylbenzylphthalate	20.62	149	144	0.011	ng	# 22
81) Benzo(a)anthracene	21.56	228	1281	0.050	ng	# 62
82) 3,3'-Dichlorobenzidine	21.47	252	111	0.011	ng	# 25
83) Chrysene	21.62	228	54	0.002	ng	# 44
84) Bis(2-ethylhexyl)phthalate	21.48	149	375	0.021	ng	# 49
85) Di-n-octyl phthalate	22.64	149	1134	0.038	ng	# 42
86) Indeno(1,2,3-cd)pyrene	28.23	276	468	0.014	ng	# 62
88) Benzo(b)fluoranthene	23.69	252	645	0.024	ng	# 72
89) Benzo(k)fluoranthene	23.75	252	349	0.014	ng	# 57
90) Benzo(a)pyrene	24.52	252	738	0.029	ng	# 29

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QLast Update : Tue Dec 31 13:32:23 2019
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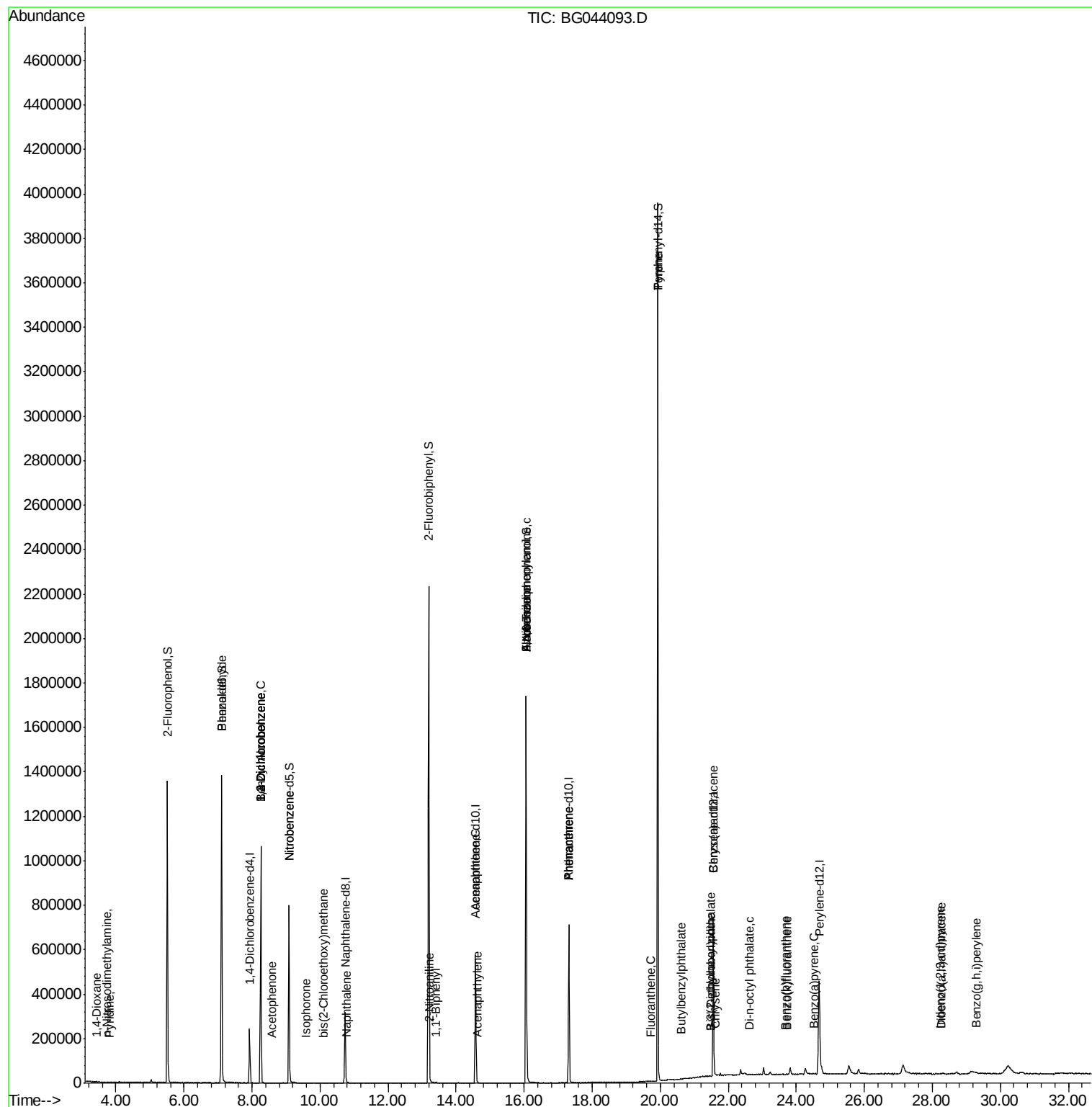
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Dibenzo(a,h)anthracene	28.27	278	127	0.005	ng	# 54
92) Benzo(g,h,i)perylene	29.31	276	80	0.003	ng	# 22

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

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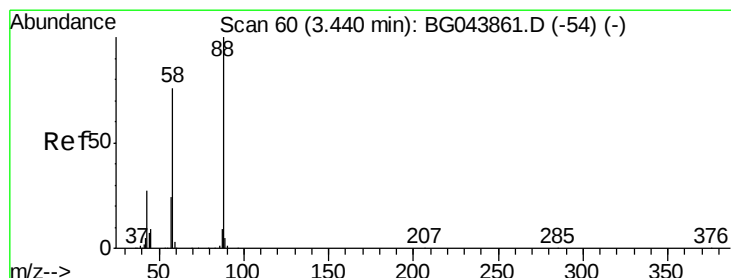
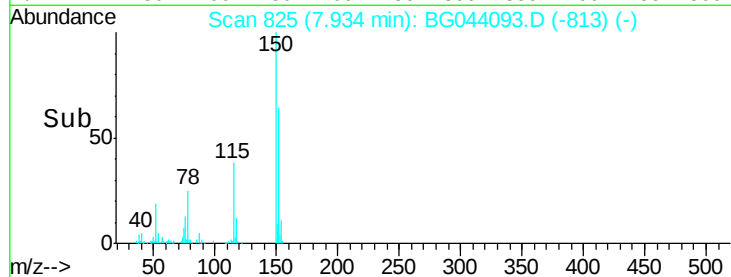
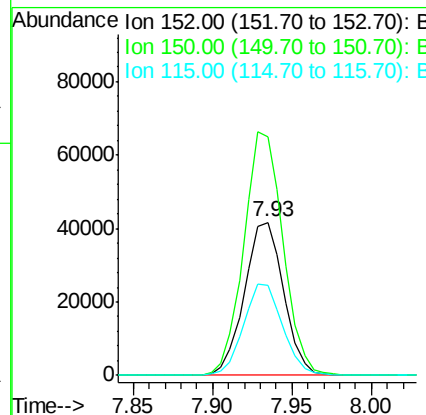
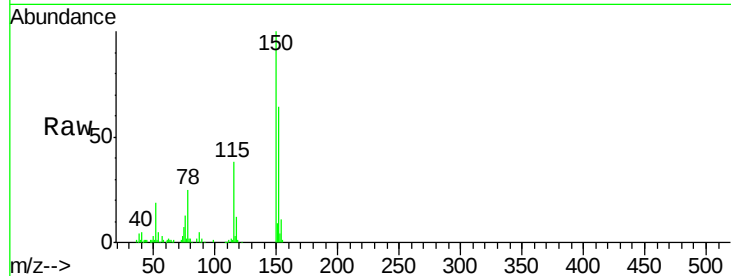


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 825
Delta R.T. -0.03 min
Lab File: BG044093.D
Acq: 20 Jan 2020 11:46

Instrument :
BNA_G
ClientSampled :
SP5028

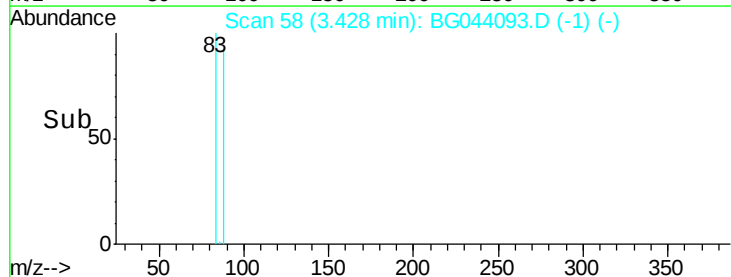
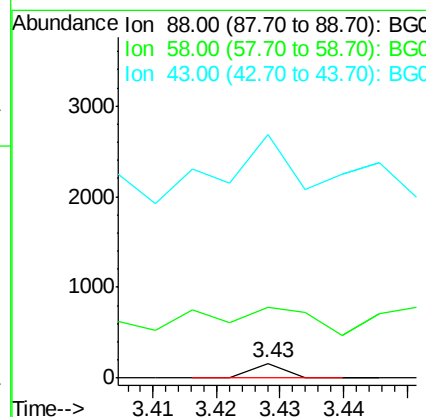
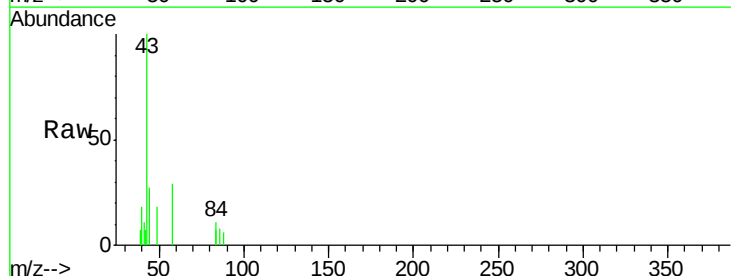
Tot Ion:152 Resp: 71578
Ion Ratio Lower Upper
152 100
150 156.4 127.0 190.4
115 59.3 47.8 71.8



#2

1,4-Dioxane
Concen: 0.035 ng
RT: 3.43 min Scan# 58
Delta R.T. -0.01 min
Lab File: BG044093.D
Acq: 20 Jan 2020 11:46

Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
58 567.8 59.8 89.8#
43 1440.7 22.9 34.3#





#3

Pvridine

Concen: 0.012 ng

RT: 3.82 min Scan# 125

Delta R.T. -0.01 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

Instrument :

BNA_G

ClientSampleId :

SP5028

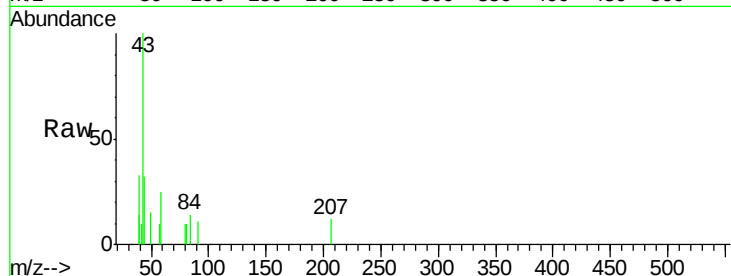
Tot Ion: 79 Resp: 60

Ion Ratio Lower Upper

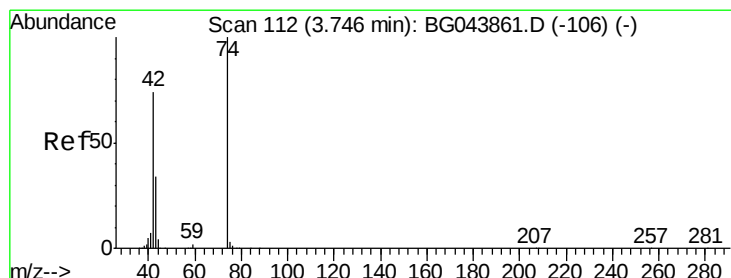
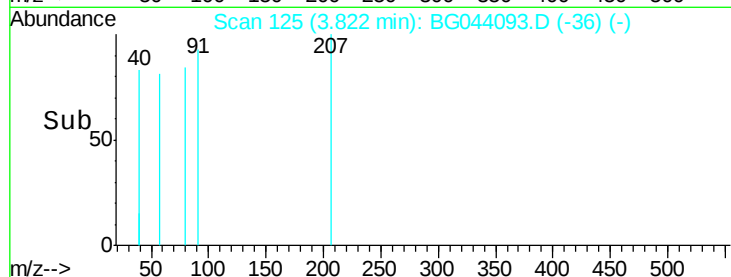
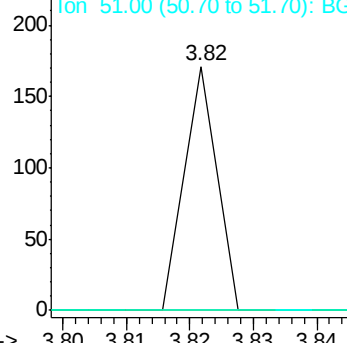
79 100

52 0.0 58.9 88.3#

51 0.0 28.6 43.0#



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: 0.165 ng

RT: 3.73 min Scan# 110

Delta R.T. -0.01 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

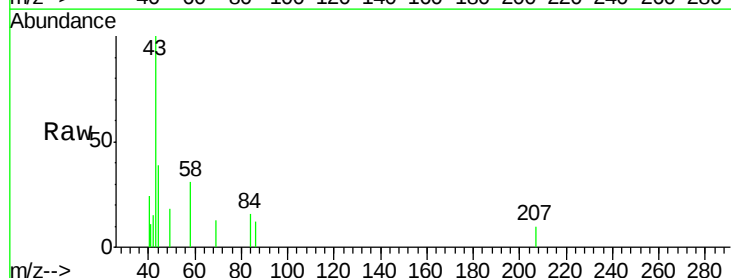
Tgt Ion: 42 Resp: 368

Ion Ratio Lower Upper

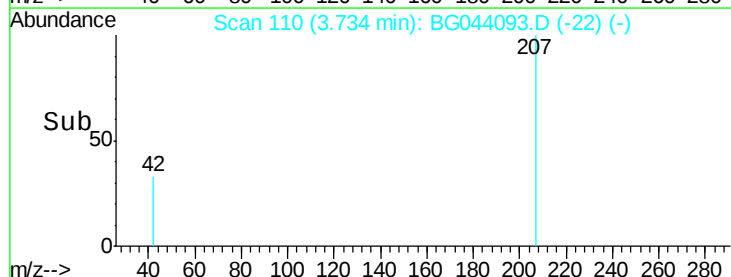
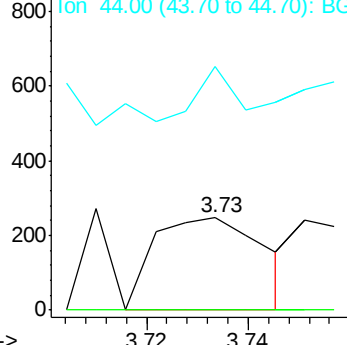
42 100

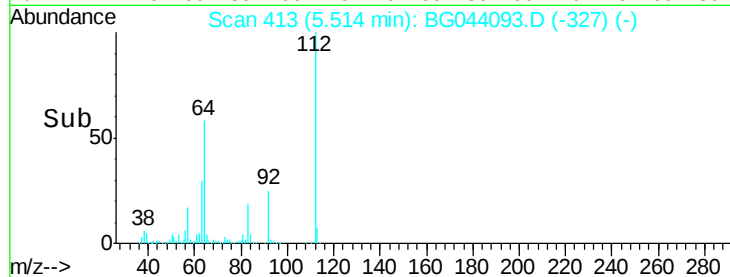
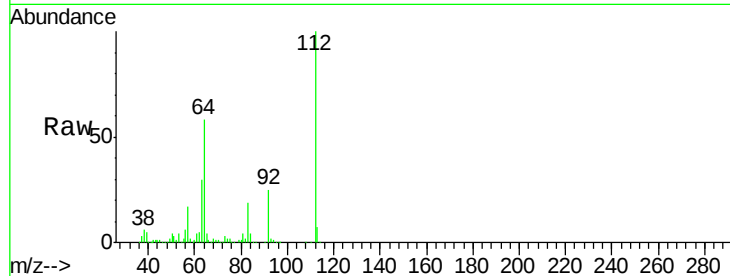
74 0.0 108.6 162.8#

44 264.0 5.0 7.6#



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: 170.944 ng

RT: 5.51 min Scan# 413

Delta R.T. -0.02 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

Instrument :

BNA_G

ClientSampleId :

SP5028

Tot Ion:112 Resp: 666396

Ion Ratio Lower Upper

112 100

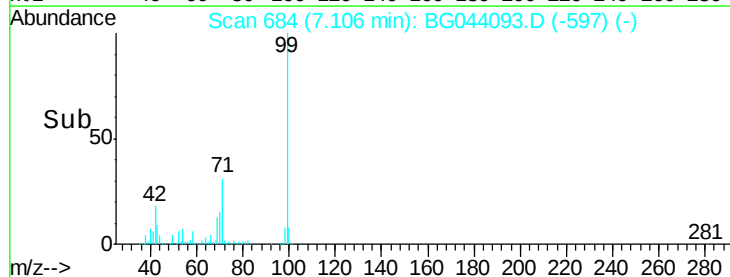
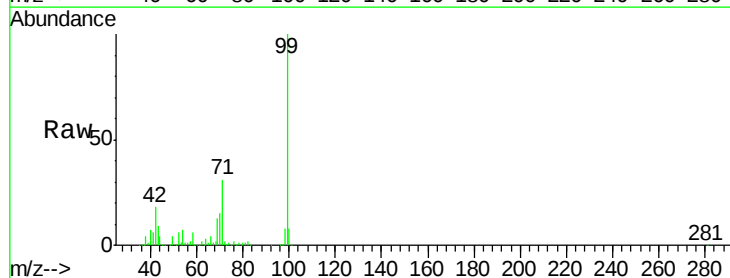
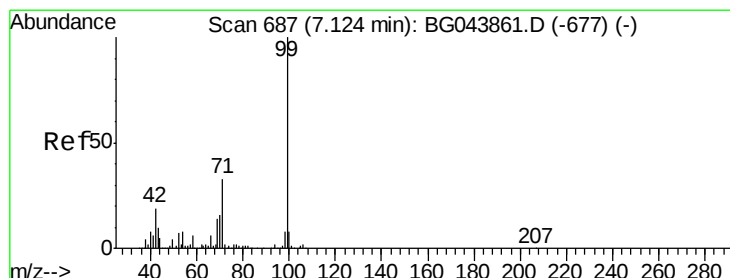
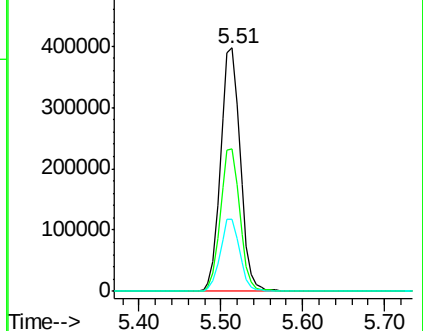
64 58.4 47.8 71.6

63 29.8 24.3 36.5

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: 158.968 ng

RT: 7.11 min Scan# 684

Delta R.T. -0.02 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

Tgt Ion: 99 Resp: 866239

Ion Ratio Lower Upper

99 100

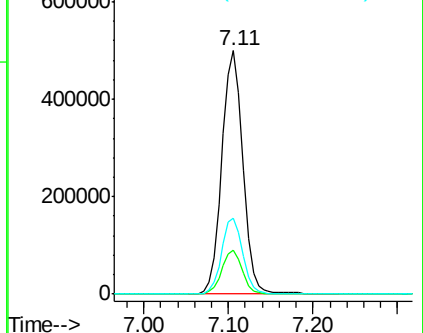
42 18.3 14.9 22.3

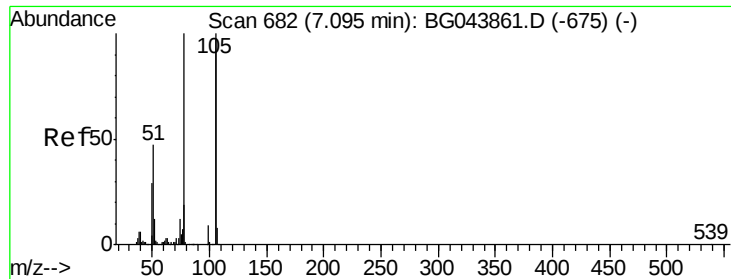
71 31.3 26.4 39.6

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: 0.422 ng

RT: 7.10 min Scan# 683

Delta R.T. 0.01 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

Instrument :

BNA_G

ClientSampleId :

SP5028

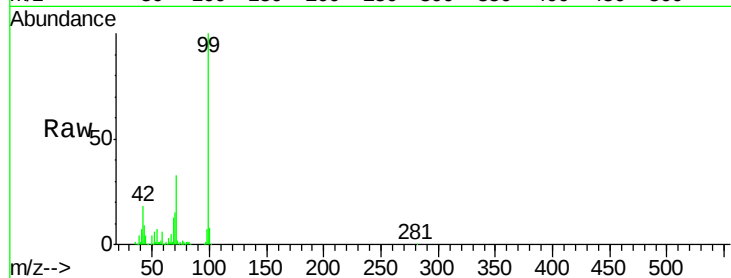
Tot Ion: 77 Resp: 1473

Ion Ratio Lower Upper

77 100

105 0.0 80.2 120.2#

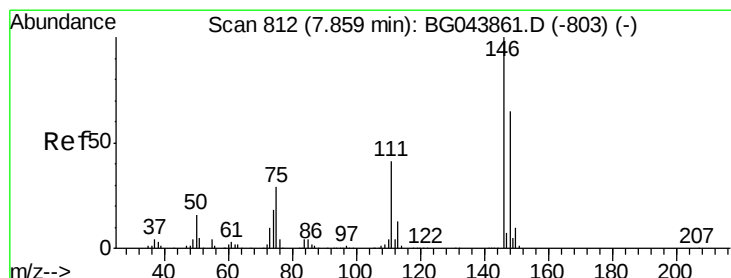
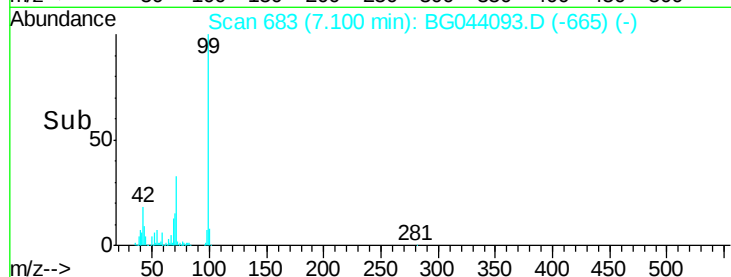
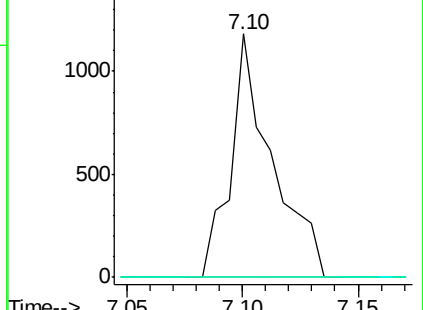
106 0.0 77.2 117.2#



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



#12

1,3-Dichlorobenzene

Concen: 0.010 ng

RT: 8.25 min Scan# 879

Delta R.T. 0.39 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

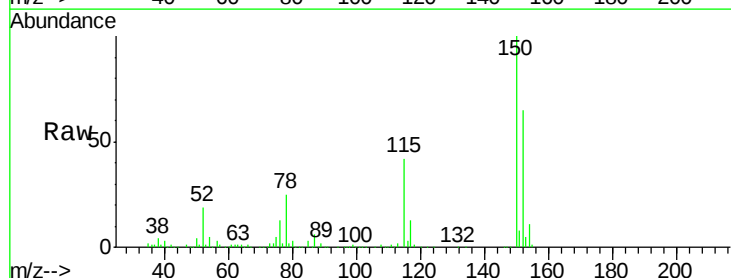
Tgt Ion: 146 Resp: 56

Ion Ratio Lower Upper

146 100

148 506.9 52.1 78.1#

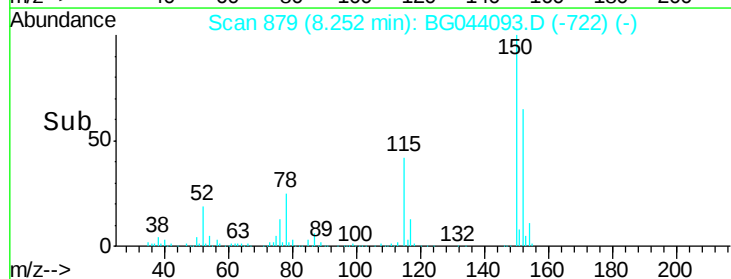
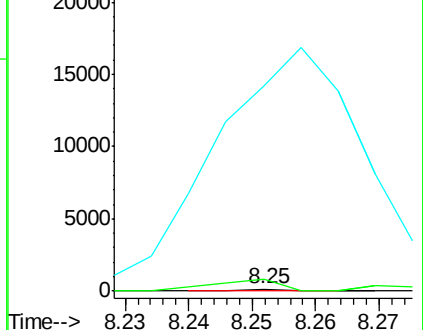
75 8939.0 23.0 34.4#

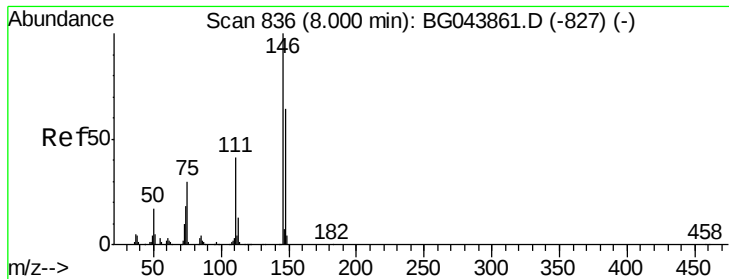


Abundance Ion 146.00 (145.70 to 146.70): BGC

Ion 148.00 (147.70 to 148.70): BGC

Ion 75.00 (74.70 to 75.70): BGC





#13

1,4-Dichlorobenzene

Concen: 0.011 ng

RT: 8.25 min Scan# 879

Delta R.T. 0.25 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

Instrument :

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ClientSampleId :

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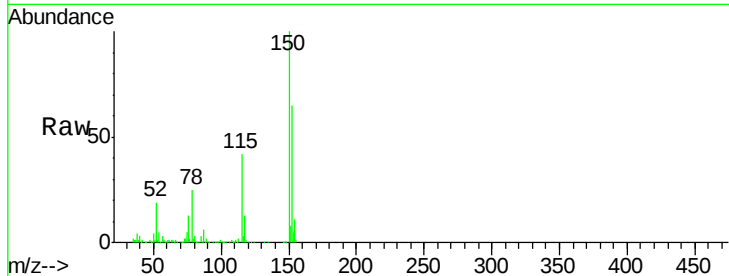
Tot Ion:146 Resp: 56

Ion Ratio Lower Upper

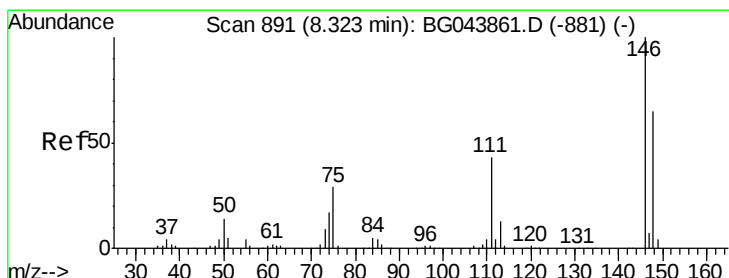
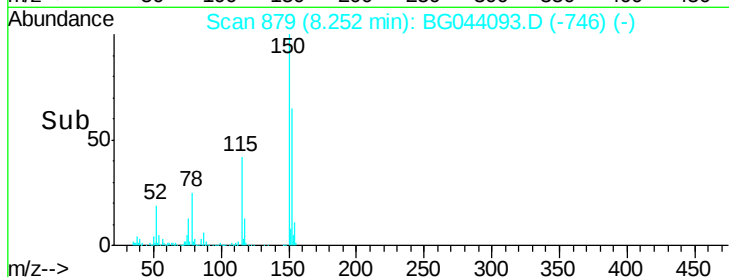
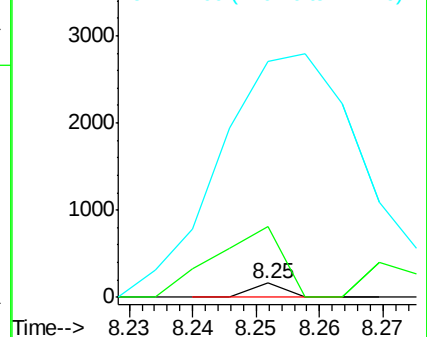
146 100

148 506.9 51.2 76.8#

111 1705.0 33.1 49.7#



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: 0.011 ng

RT: 8.25 min Scan# 879

Delta R.T. -0.07 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

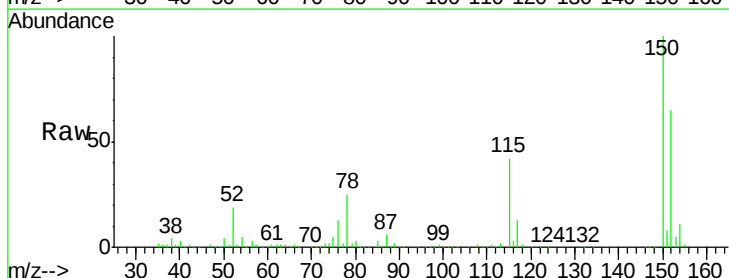
Tgt Ion:146 Resp: 56

Ion Ratio Lower Upper

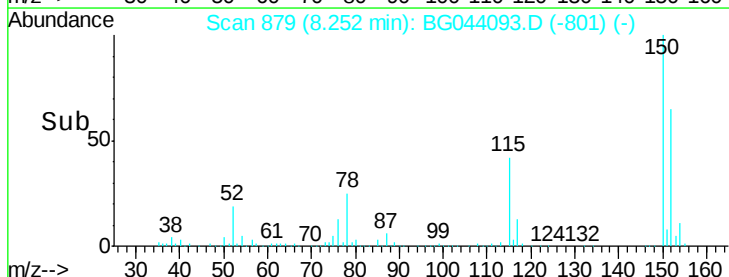
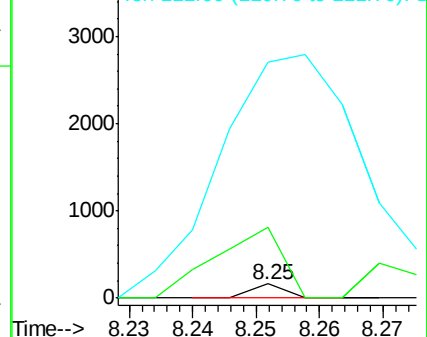
146 100

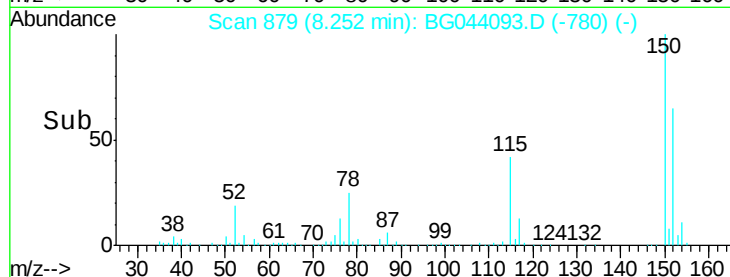
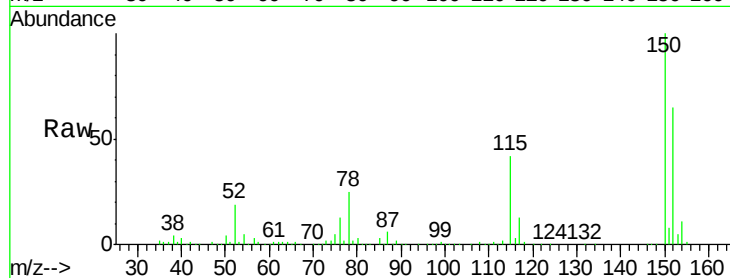
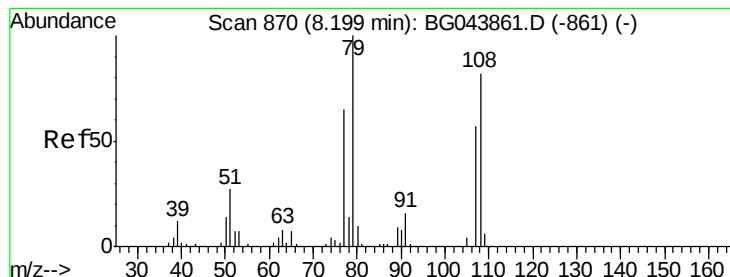
148 506.9 51.7 77.5#

111 1705.0 34.4 51.6#



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





#15

Benzyl Alcohol

Concen: 1.901 ng

RT: 8.25 min Scan# 879

Delta R.T. 0.05 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

Instrument :

BNA_G

ClientSampleId :

SP5028

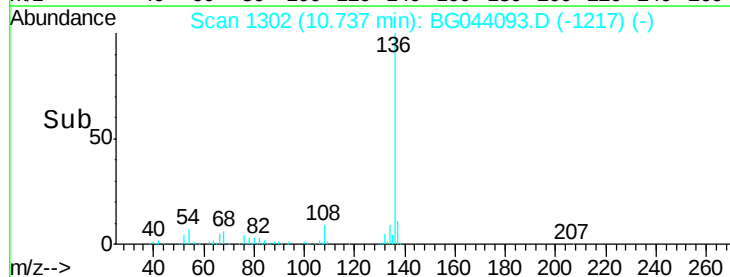
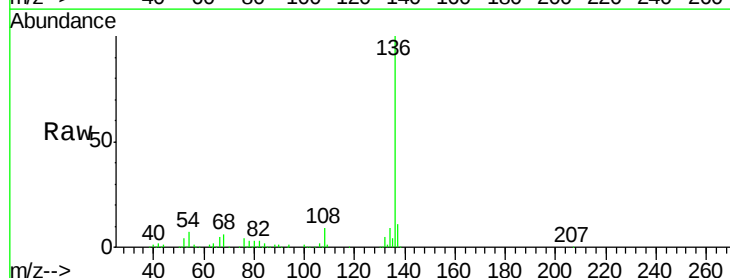
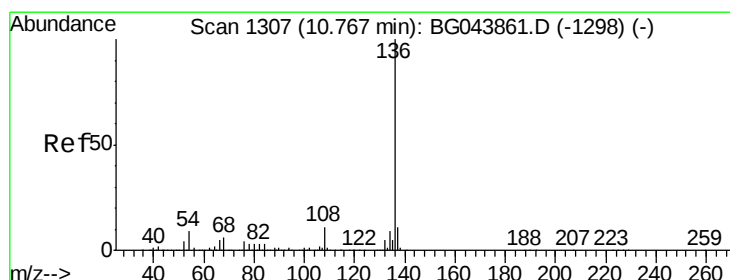
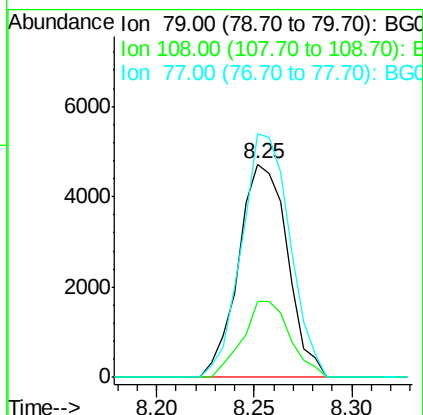
Tot Ion: 79 Resp: 8176

Ion Ratio Lower Upper

79 100

108 35.6 65.6 98.4#

77 114.1 52.0 78.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.74 min Scan# 1302

Delta R.T. -0.03 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

Tgt Ion: 136 Resp: 314303

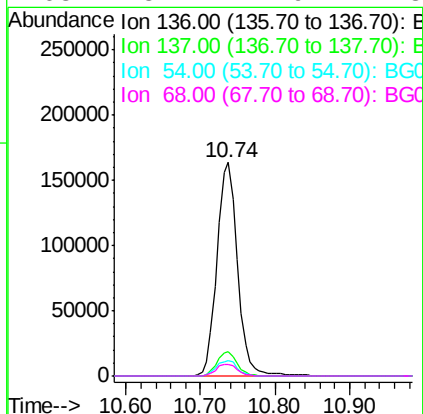
Ion Ratio Lower Upper

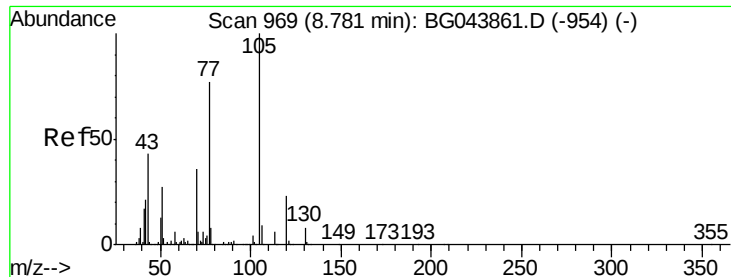
136 100

137 11.2 8.8 13.2

54 7.2 7.0 10.4

68 5.7 4.9 7.3





#22

Acetophenone

Concen: 0.007 ng

RT: 8.58 min Scan# 935

Delta R.T. -0.20 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

Instrument :

BNA_G

ClientSampleId :

SP5028

Tot Ion:105 Resp: 56

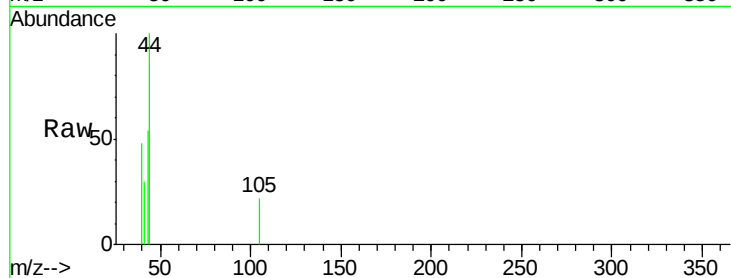
Ion Ratio Lower Upper

105 100

71 0.0 4.8 7.2#

51 0.0 21.4 32.0#

120 0.0 18.6 28.0#

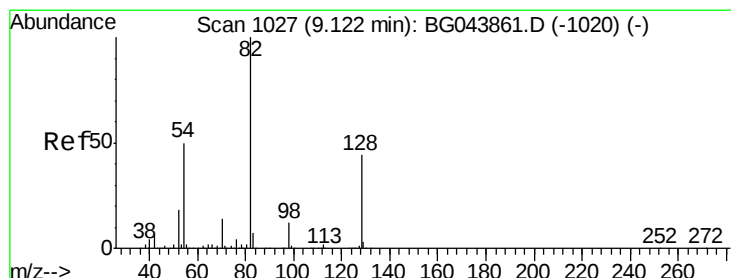
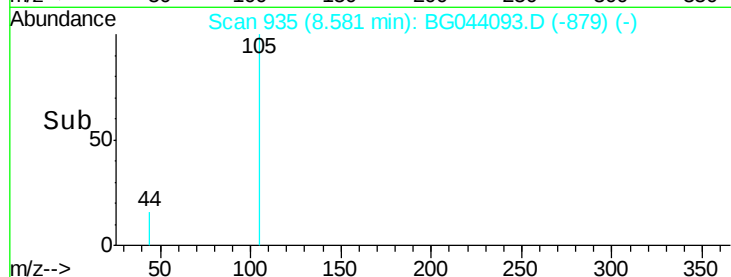
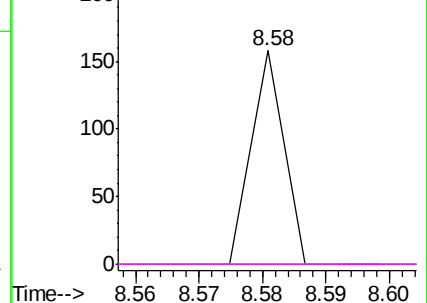


Abundance Ion 105.00 (104.70 to 105.70): E

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: 87.783 ng

RT: 9.09 min Scan# 1021

Delta R.T. -0.04 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

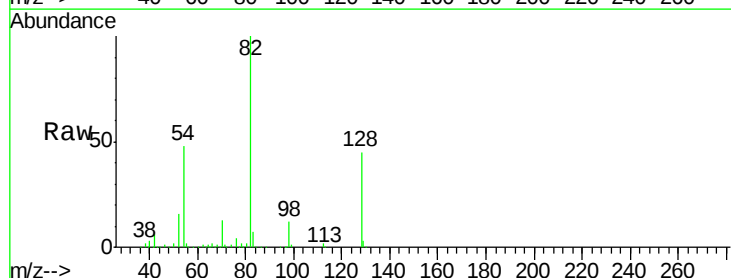
Tgt Ion: 82 Resp: 515748

Ion Ratio Lower Upper

82 100

128 45.0 35.1 52.7

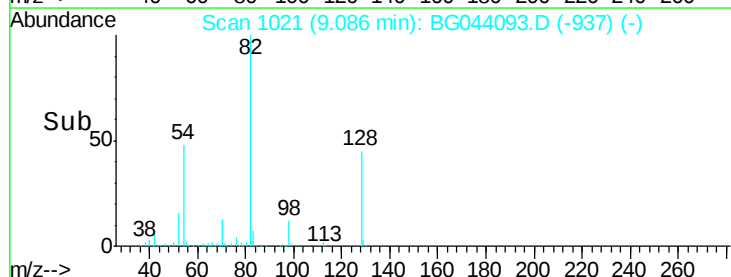
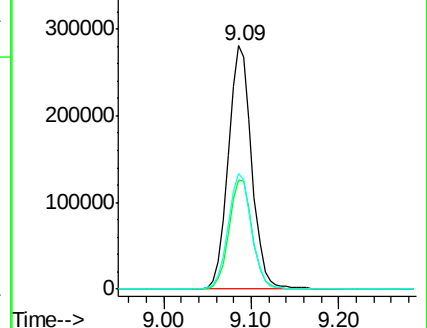
54 47.6 40.1 60.1

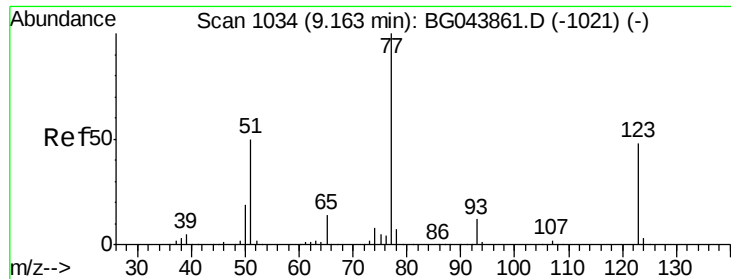


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

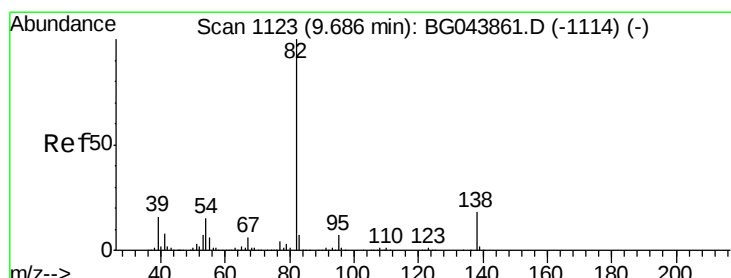
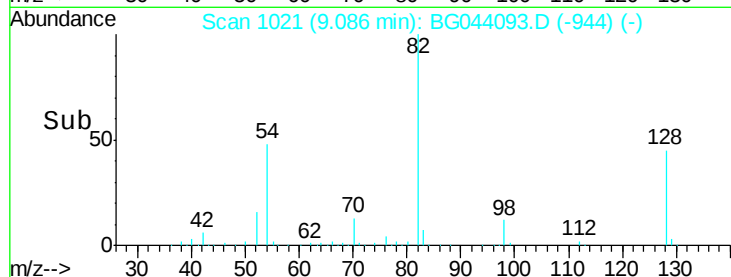
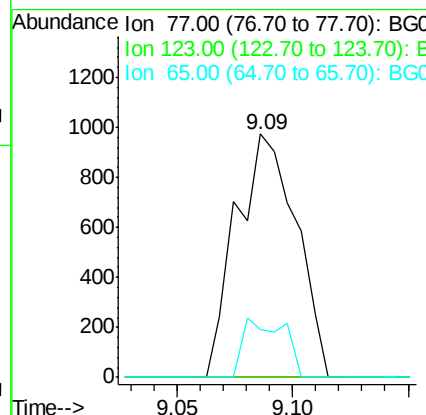
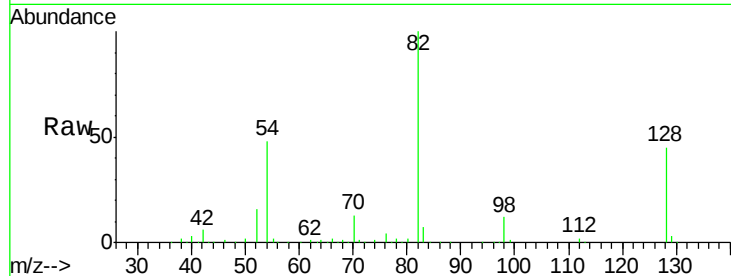




#24
Nitrobenzene
Concen: 0.302 ng
RT: 9.09 min Scan# 1021
Delta R.T. -0.08 min
Lab File: BG044093.D
Acq: 20 Jan 2020 11:46

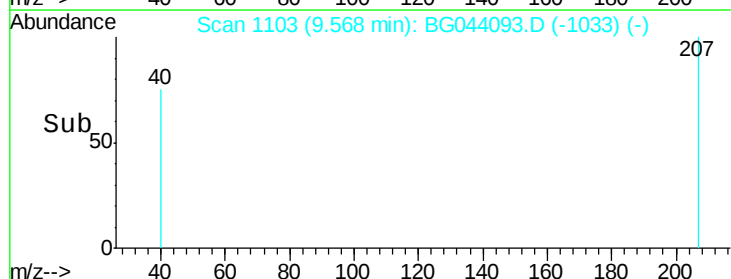
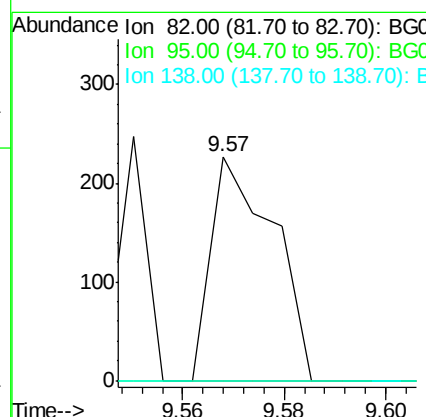
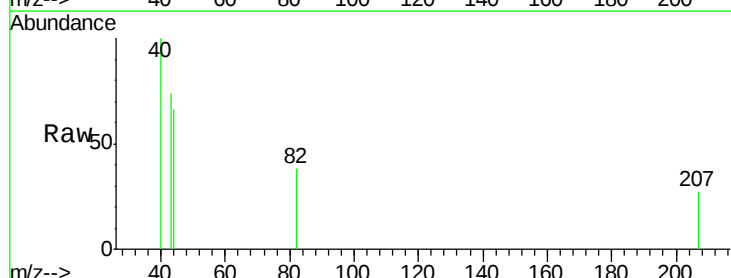
Instrument :
BNA_G
ClientSampleId :
SP5028

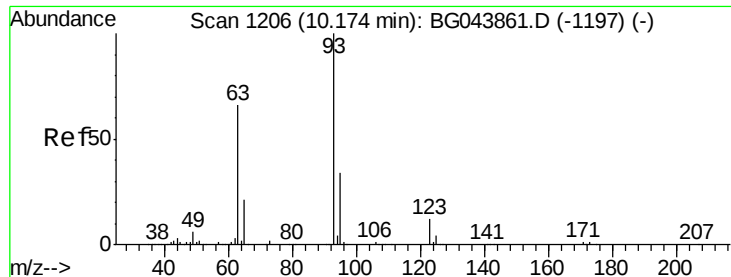
Tot Ion: 77 Resp: 1759
Ion Ratio Lower Upper
77 100
123 0.0 38.7 58.1#
65 19.5 11.1 16.7#



#25
Isophorone
Concen: 0.018 ng
RT: 9.57 min Scan# 1103
Delta R.T. -0.12 min
Lab File: BG044093.D
Acq: 20 Jan 2020 11:46

Tgt Ion: 82 Resp: 195
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 22.0#

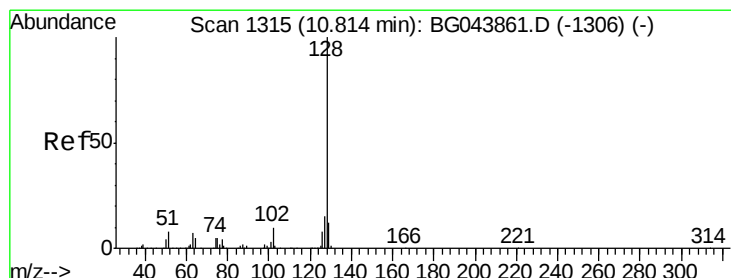
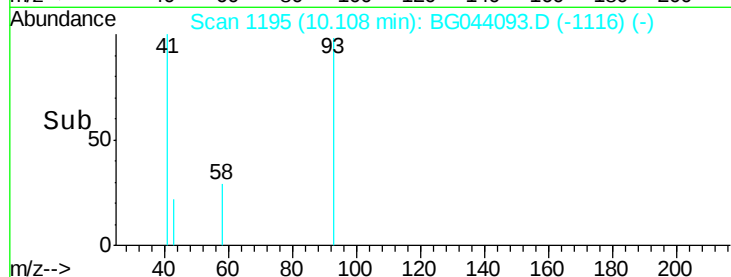
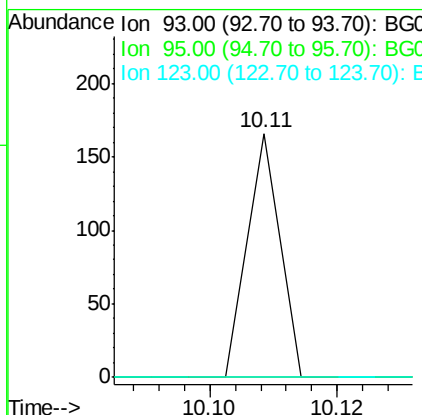
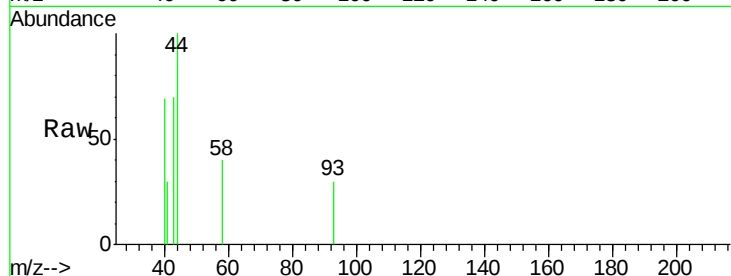




#28
bis(2-Chloroethoxy)methane
Concen: 0.008 ng
RT: 10.11 min Scan# 1195
Delta R.T. -0.07 min
Lab File: BG044093.D
Acq: 20 Jan 2020 11:46

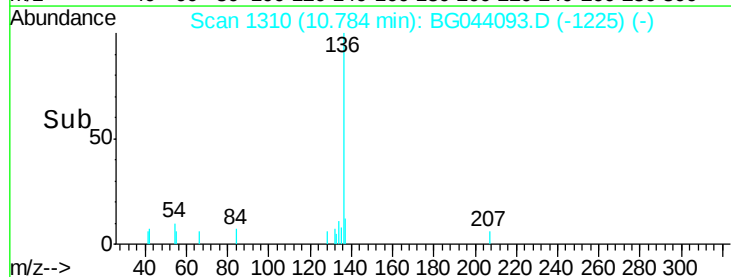
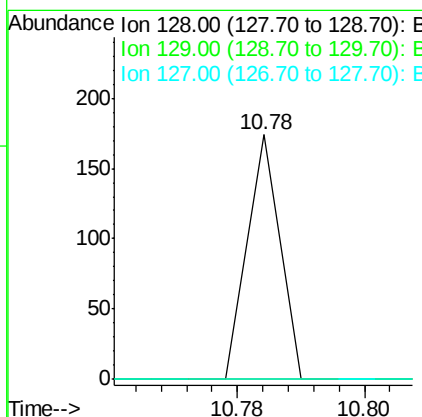
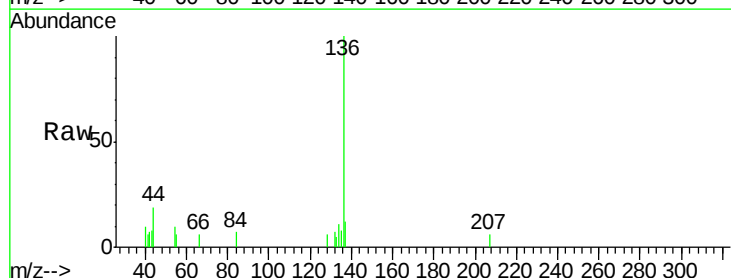
Instrument :
BNA_G
ClientSampleId :
SP5028

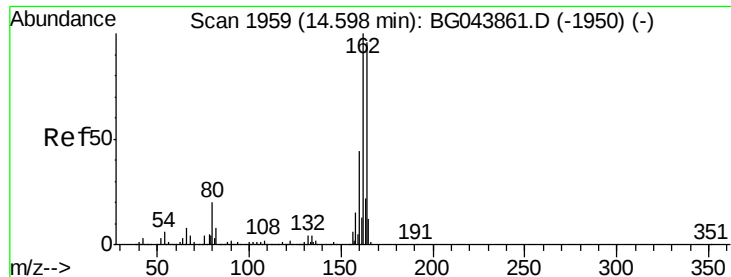
Tot Ion	Ratio	Lower	Upper
93	100		
95	0.0	27.2	40.8#
123	0.0	9.7	14.5#



#31
Naphthalene
Concen: 0.004 ng
RT: 10.78 min Scan# 1310
Delta R.T. -0.03 min
Lab File: BG044093.D
Acq: 20 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
128	100		
129	0.0	9.8	14.6#
127	0.0	12.0	18.0#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1954

Delta R.T. -0.03 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

Instrument :

BNA_G

ClientSampleId :

SP5028

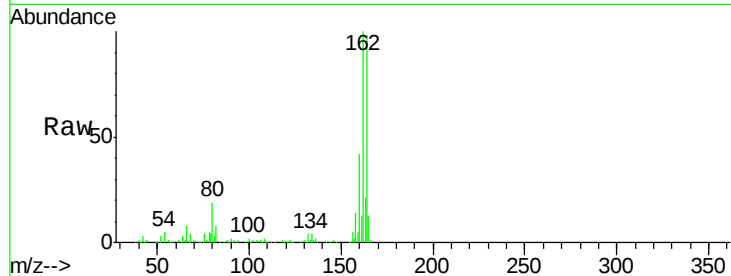
Tot Ion:164 Resp: 216276

Ion Ratio Lower Upper

164 100

162 102.1 83.0 124.4

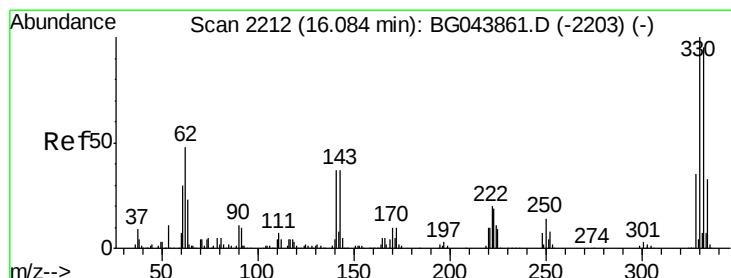
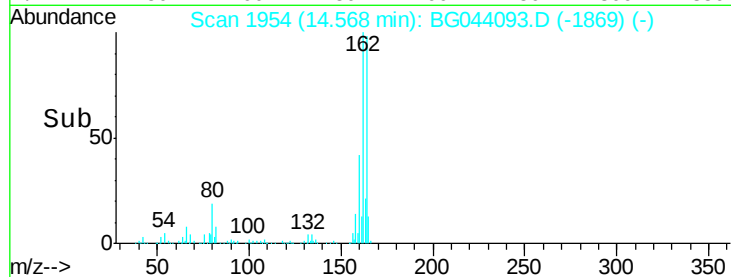
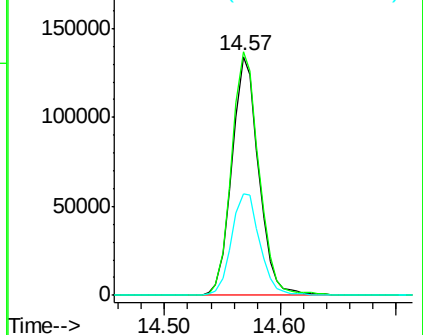
160 42.7 36.1 54.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 154.548 ng

RT: 16.06 min Scan# 2208

Delta R.T. -0.02 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

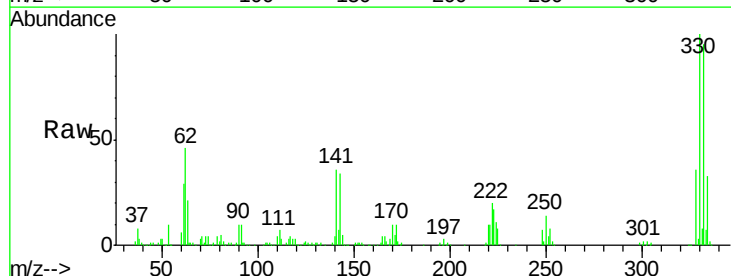
Tgt Ion:330 Resp: 349787

Ion Ratio Lower Upper

330 100

332 96.3 77.2 115.8

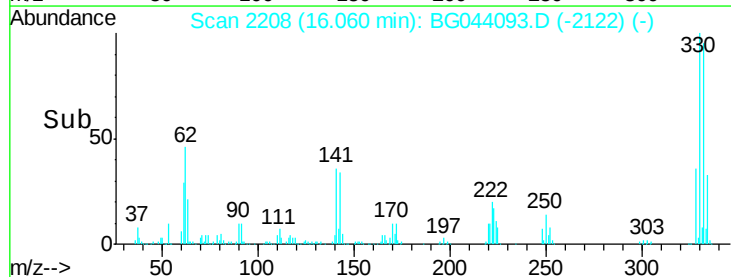
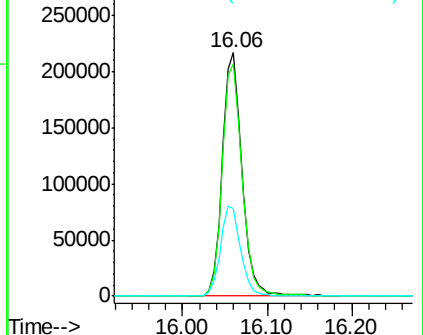
141 38.1 33.1 49.7

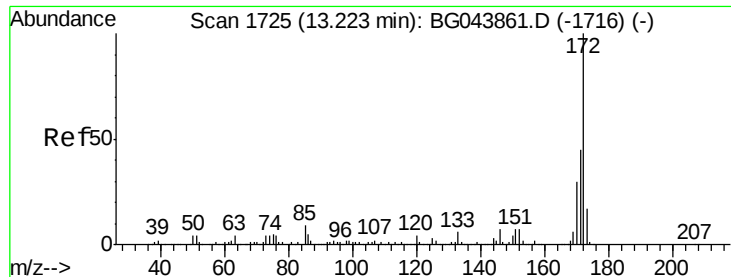


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



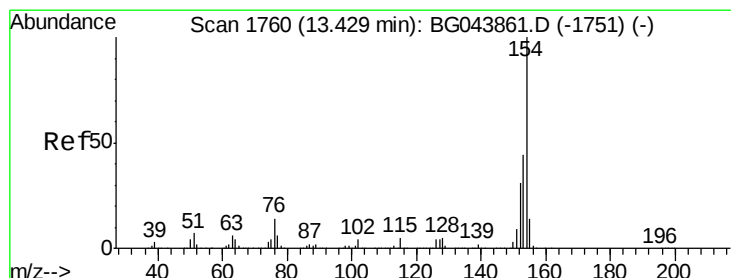
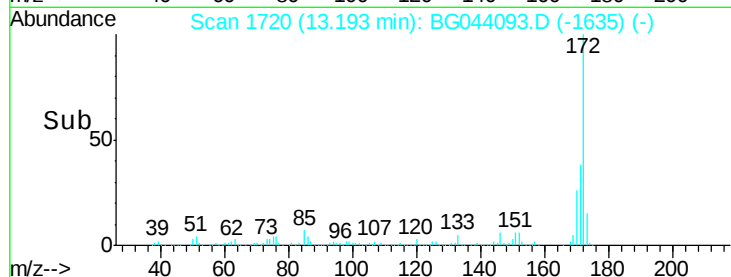
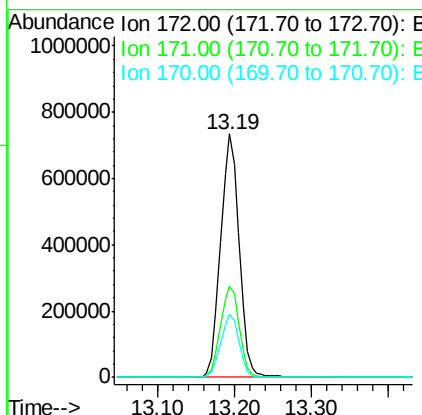
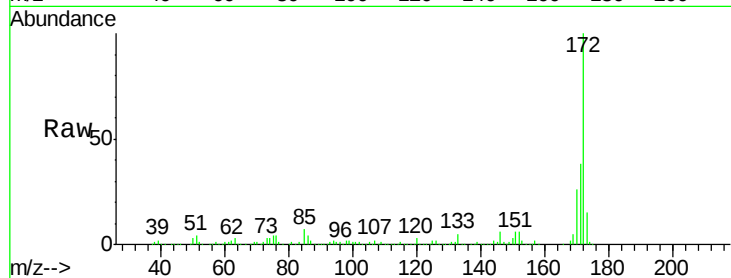


#45
 2-Fluorobiphenyl
 Concen: 102.569 ng
 RT: 13.19 min Scan# 1720
 Delta R.T. -0.03 min
 Lab File: BG044093.D
 Acq: 20 Jan 2020 11:46

Instrument :
 BNA_G
 ClientSampled :
 SP5028

Tot Ion:172 Resp: 1224395

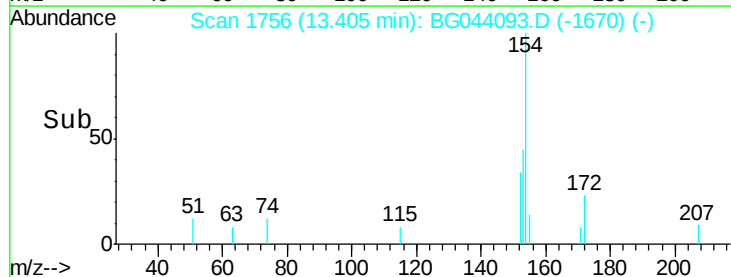
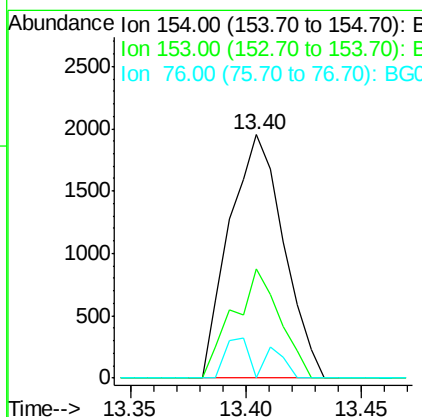
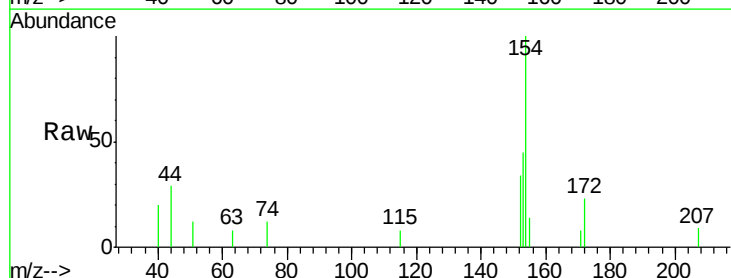
Ion	Ratio	Lower	Upper
172	100		
171	37.7	35.8	53.8
170	26.0	24.2	36.4

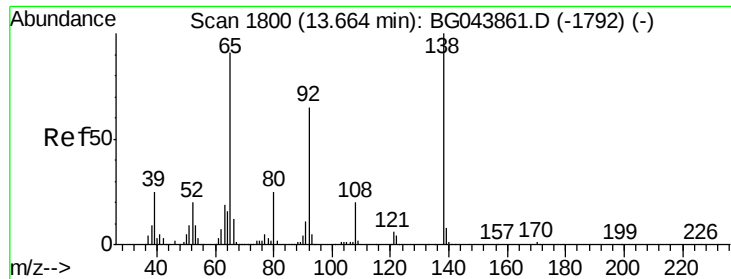


#46
 1,1'-Biphenyl
 Concen: 0.205 ng
 RT: 13.40 min Scan# 1756
 Delta R.T. -0.02 min
 Lab File: BG044093.D
 Acq: 20 Jan 2020 11:46

Tgt Ion:154 Resp: 3179

Ion	Ratio	Lower	Upper
154	100		
153	45.0	23.6	63.6
76	0.0	0.0	34.4

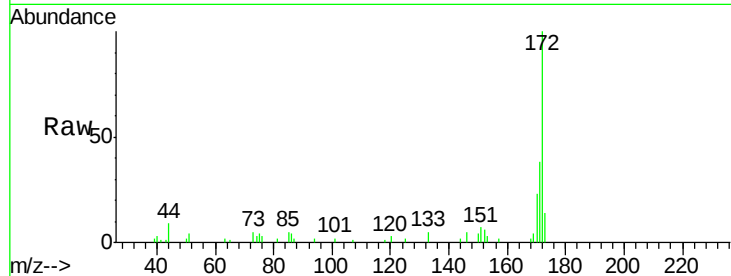




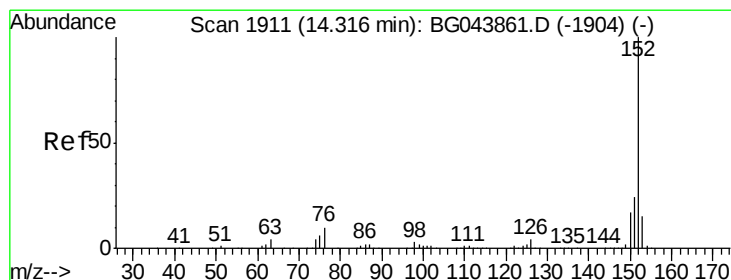
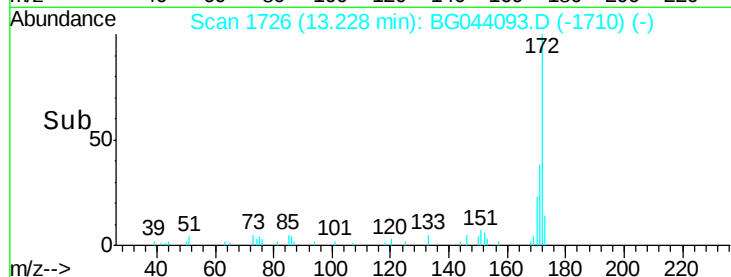
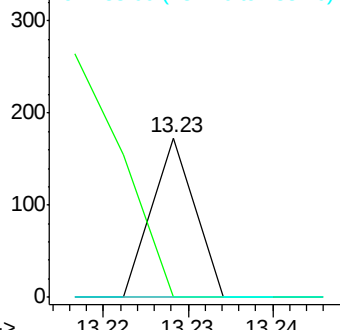
#48
2-Nitroaniline
Concen: 0.015 ng
RT: 13.23 min Scan# 1726
Delta R.T. -0.44 min
Lab File: BG044093.D
Acq: 20 Jan 2020 11:46

Instrument :
BNA_G
ClientSampleId :
SP5028

Tot Ion: 65 Resp: 61
Ion Ratio Lower Upper
65 100
92 0.0 57.4 86.2#
138 0.0 88.2 132.4#

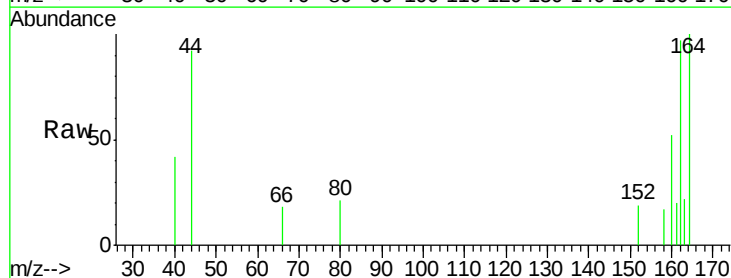


Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

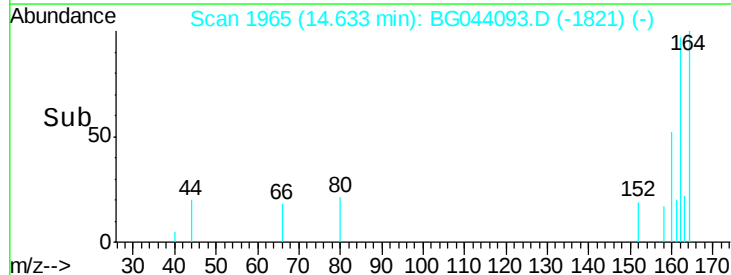
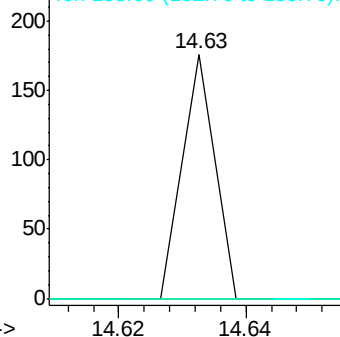


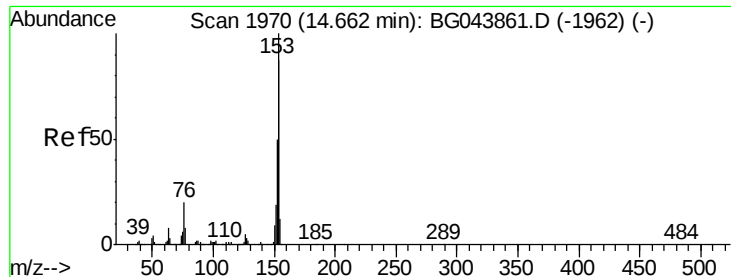
#49
Acenaphthylene
Concen: 0.003 ng
RT: 14.63 min Scan# 1965
Delta R.T. 0.32 min
Lab File: BG044093.D
Acq: 20 Jan 2020 11:46

Tgt Ion: 152 Resp: 62
Ion Ratio Lower Upper
152 100
151 0.0 19.4 29.2#
153 0.0 12.0 18.0#



Abundance Ion 152.00 (151.70 to 152.70): BGC
Ion 151.00 (150.70 to 151.70): BGC
Ion 153.00 (152.70 to 153.70): BGC





#52

Acenaphthene

Concen: 0.060 ng

RT: 14.58 min Scan# 1956

Delta R.T. -0.08 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

Instrument :

BNA_G

ClientSampleId :

SP5028

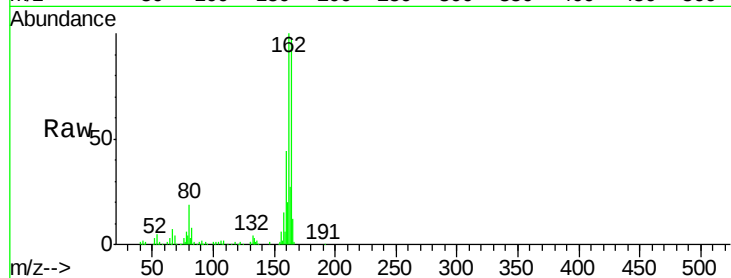
Tot Ion:154 Resp: 756

Ion Ratio Lower Upper

154 100

153 0.0 91.6 137.4#

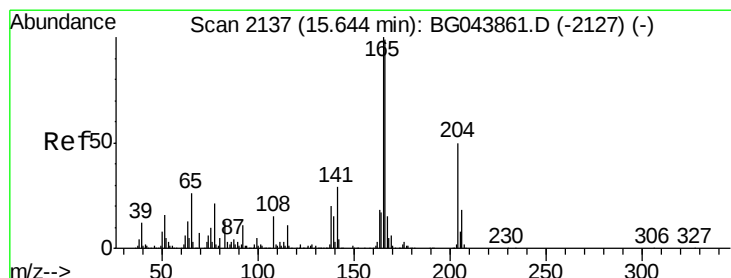
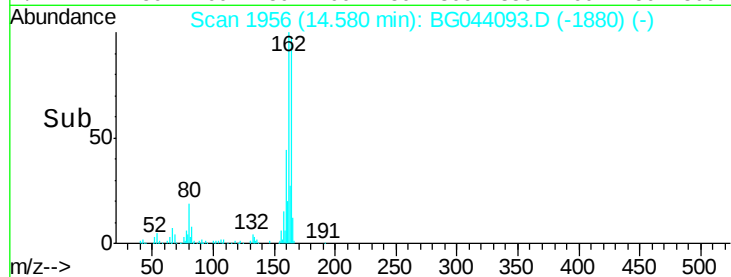
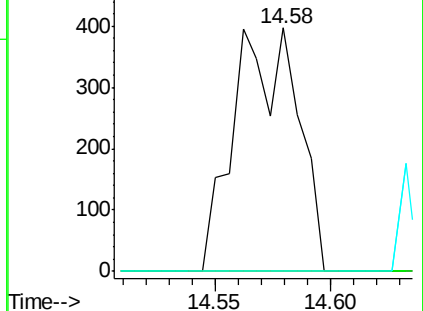
152 0.0 45.4 68.0#



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



#58

Fluorene

Concen: 1.228 ng

RT: 16.05 min Scan# 2207

Delta R.T. 0.41 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

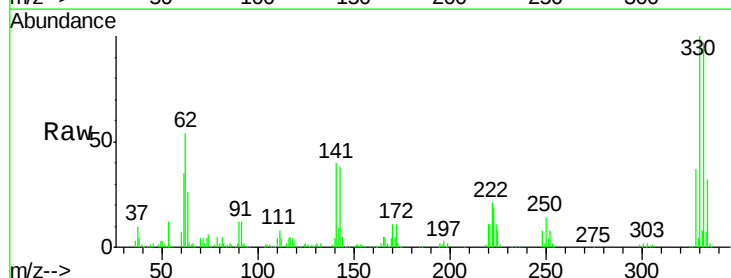
Tgt Ion:166 Resp: 16917

Ion Ratio Lower Upper

166 100

165 92.7 80.8 121.2

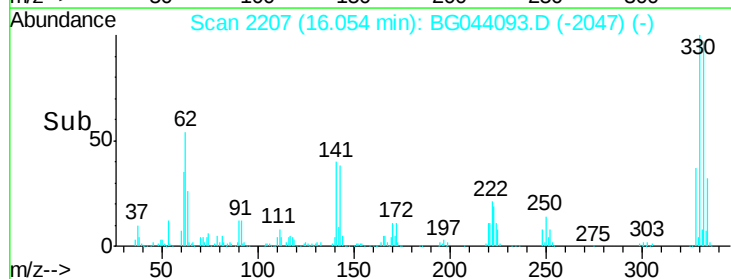
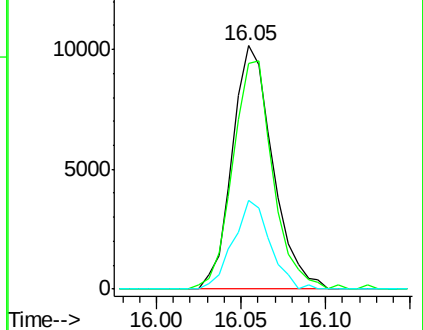
167 36.2 12.1 18.1#

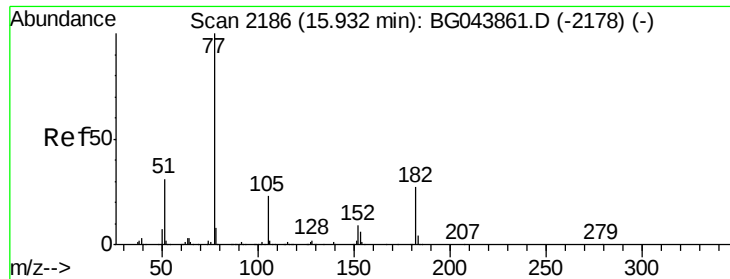


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Azobenzene

Concen: 0.156 ng

RT: 16.05 min Scan# 2207

Delta R.T. 0.12 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

Instrument :

BNA_G

ClientSampleId :

SP5028

Tot Ion: 77 Resp: 2221

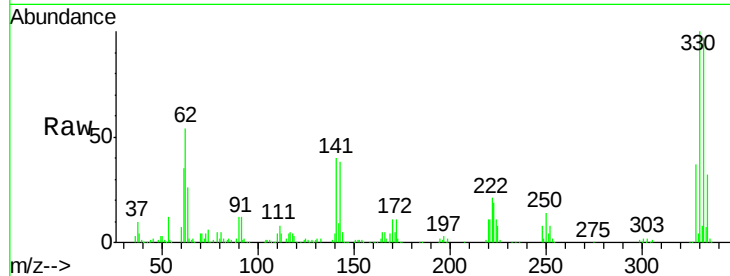
Ion Ratio Lower Upper

77 100

182 0.0 7.3 47.3#

105 75.9 3.2 43.2#

51 73.8 10.6 50.6#

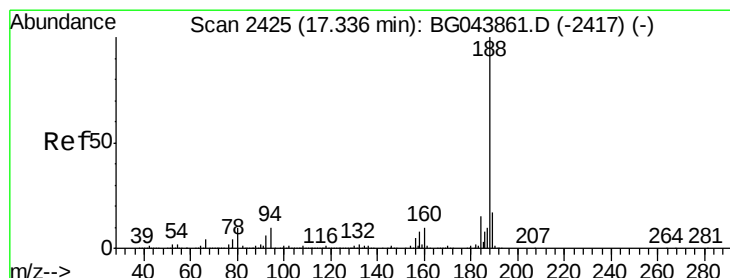
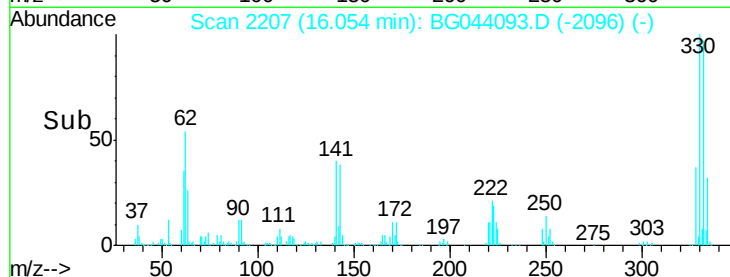
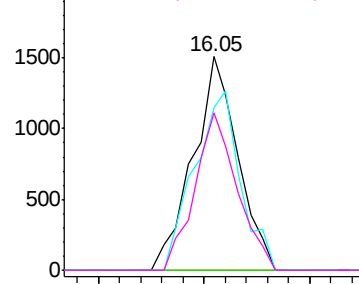


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.31 min Scan# 2421

Delta R.T. -0.02 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

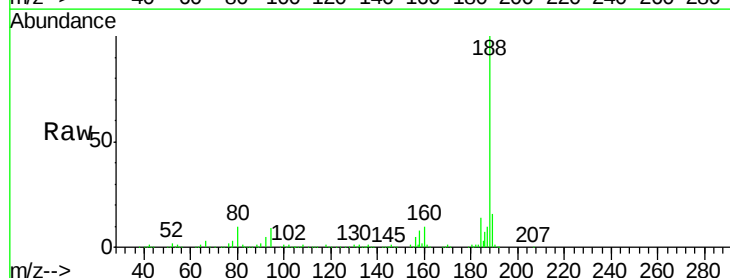
Tgt Ion: 188 Resp: 480280

Ion Ratio Lower Upper

188 100

94 8.9 7.9 11.9

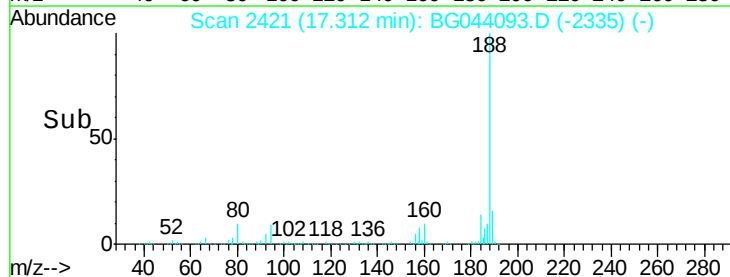
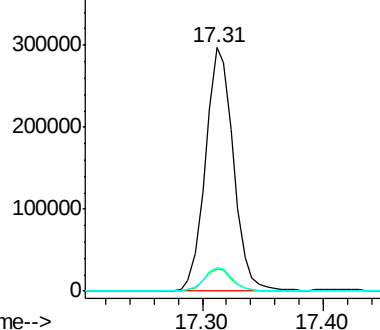
80 9.8 8.2 12.4

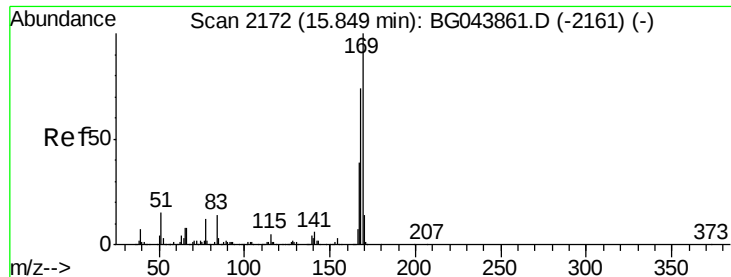


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

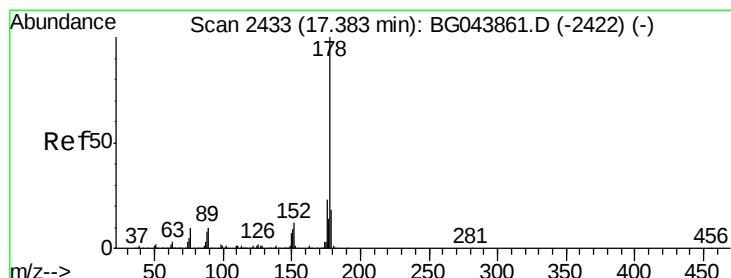
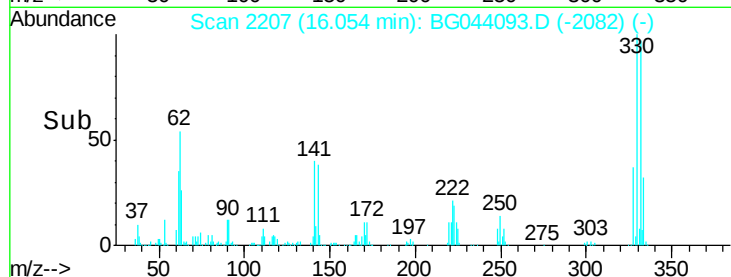
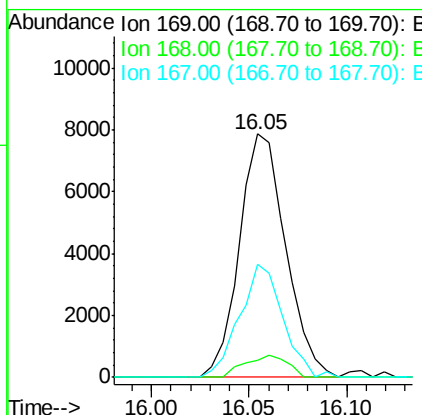
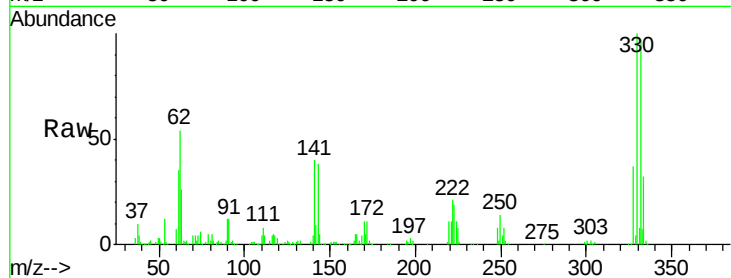




#66
n-Nitrosodiphenylamine
Concen: 0.914 ng
RT: 16.05 min Scan# 2207
Delta R.T. 0.21 min
Lab File: BG044093.D
Acq: 20 Jan 2020 11:46

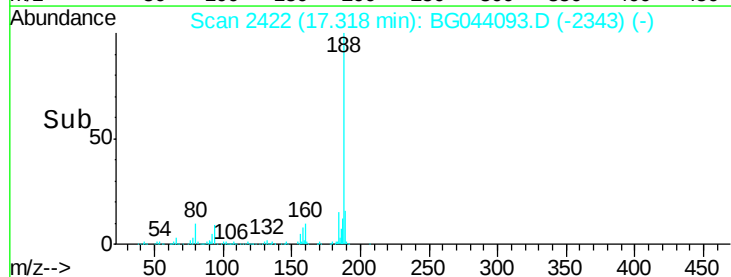
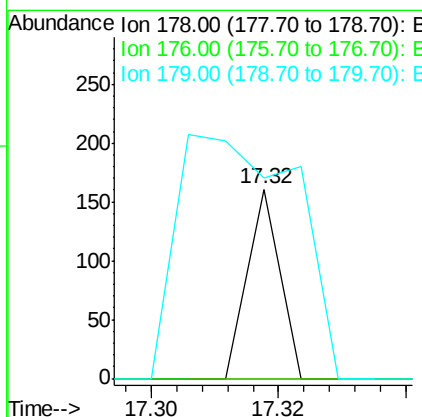
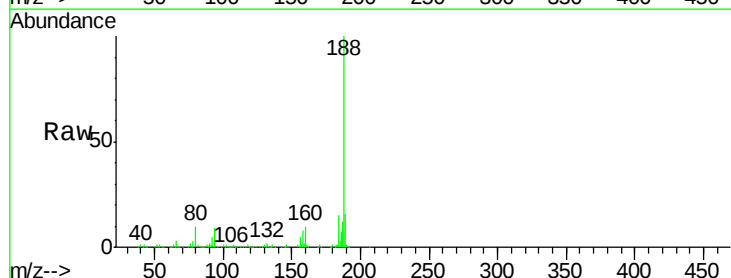
Instrument :
BNA_G
ClientSampled :
SP5028

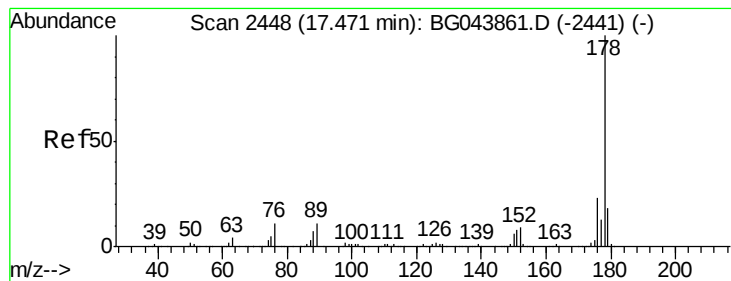
Tot Ion:169 Resp: 12928
Ion Ratio Lower Upper
169 100
168 7.2 59.0 88.6#
167 46.7 31.4 47.0



#71
Phenanthrene
Concen: 0.002 ng
RT: 17.32 min Scan# 2422
Delta R.T. -0.07 min
Lab File: BG044093.D
Acq: 20 Jan 2020 11:46

Tgt Ion:178 Resp: 57
Ion Ratio Lower Upper
178 100
176 0.0 18.6 28.0#
179 105.6 14.4 21.6#





#72

Anthracene

Concen: 0.003 ng

RT: 17.32 min Scan# 2422

Delta R.T. -0.15 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

Instrument :

BNA_G

ClientSampled :

SP5028

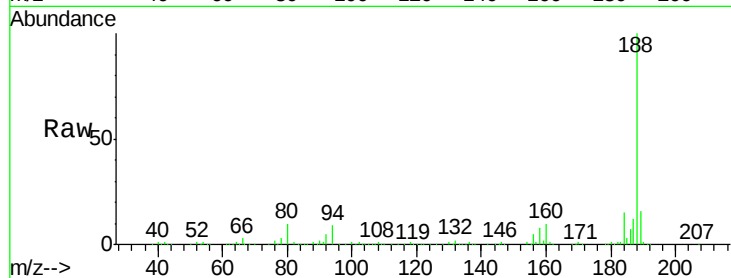
Tot Ion:178 Resp: 57

Ion Ratio Lower Upper

178 100

176 0.0 18.3 27.5#

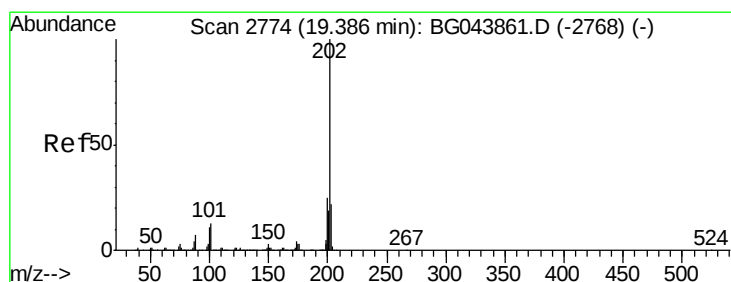
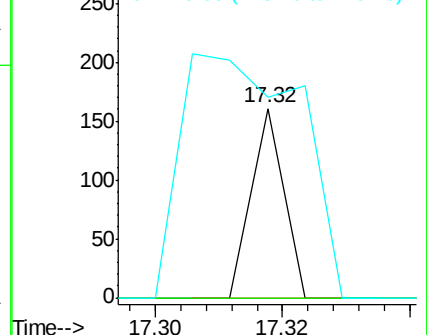
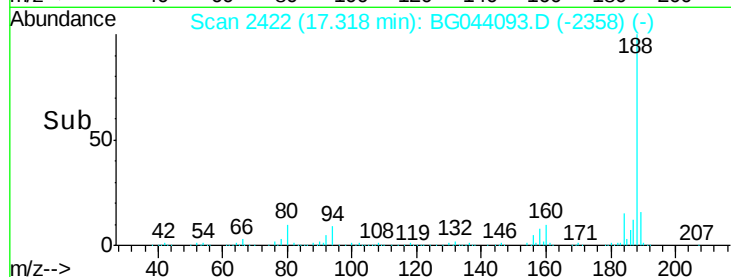
179 105.6 14.6 22.0#



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



#75

Fluoranthene

Concen: 0.003 ng

RT: 19.73 min Scan# 2833

Delta R.T. 0.35 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

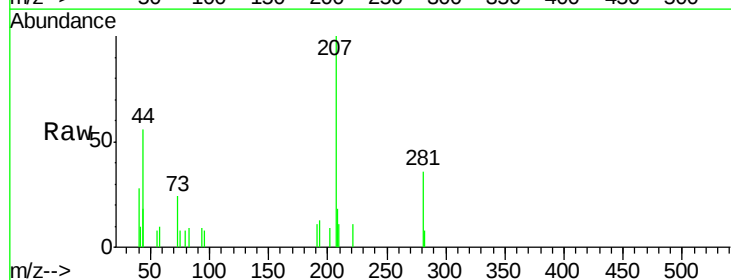
Tgt Ion:202 Resp: 66

Ion Ratio Lower Upper

202 100

101 0.0 0.0 33.3

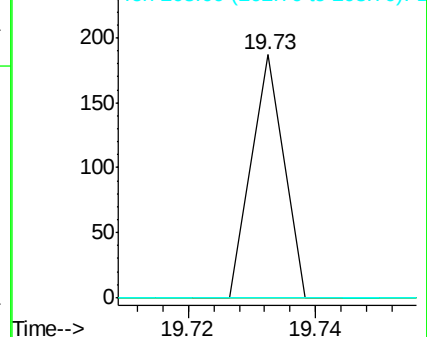
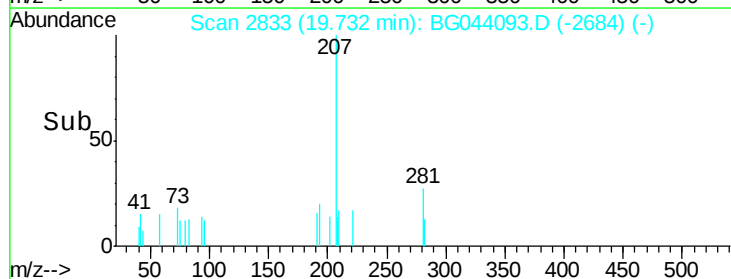
203 0.0 1.6 41.6#

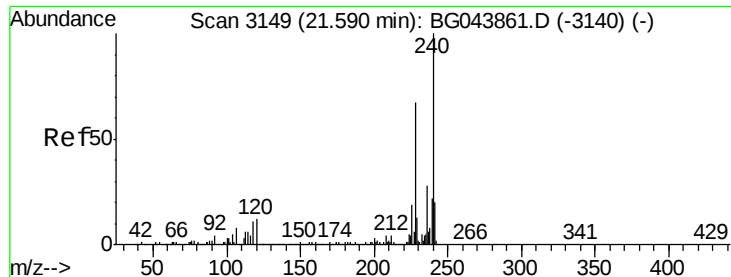


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.56 min Scan# 3144

Delta R.T. -0.03 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

Instrument :

BNA_G

ClientSampleId :

SP5028

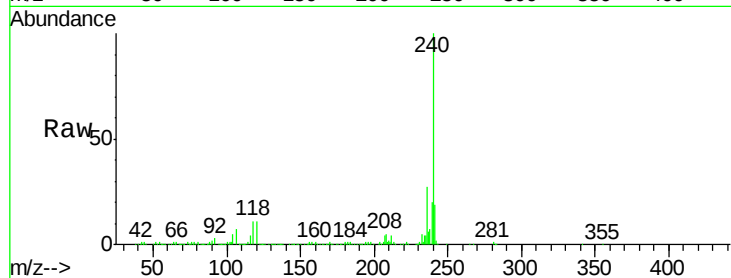
Tot Ion:240 Resp: 413134

Ion Ratio Lower Upper

240 100

120 11.2 9.6 14.4

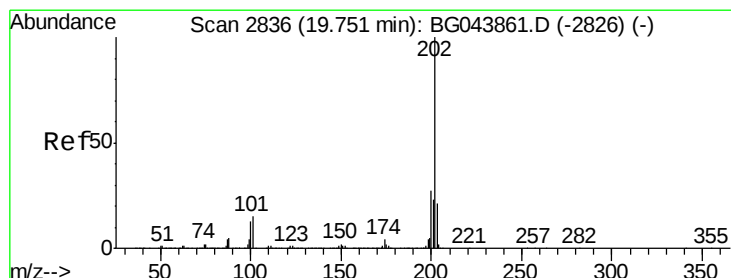
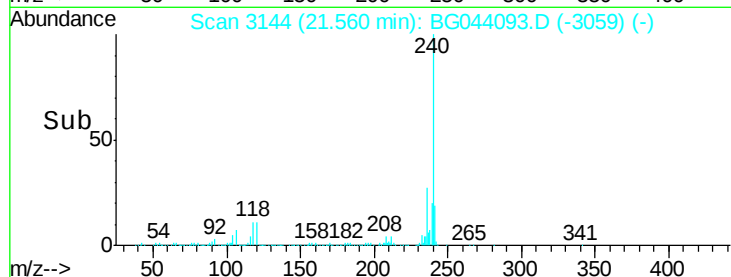
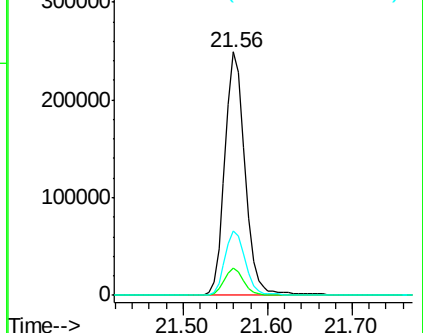
236 26.7 22.2 33.2



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



#78

Pyrene

Concen: 0.257 ng

RT: 19.93 min Scan# 2867

Delta R.T. 0.18 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

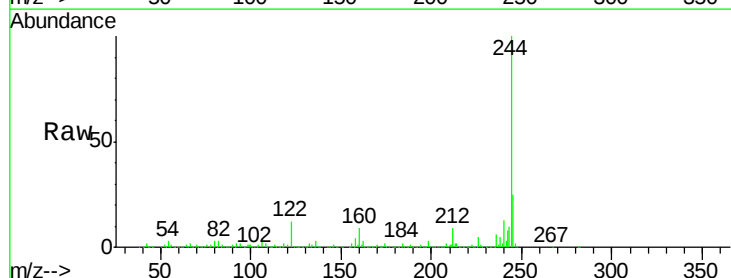
Tgt Ion:202 Resp: 6931

Ion Ratio Lower Upper

202 100

200 46.1 21.7 32.5#

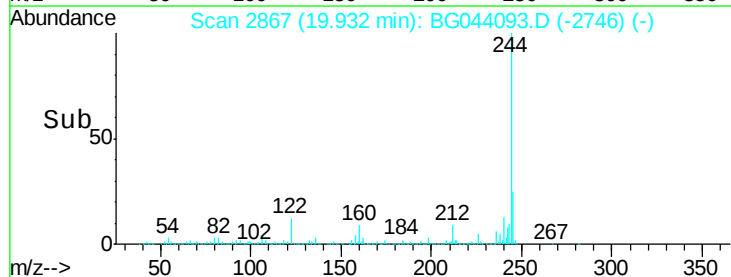
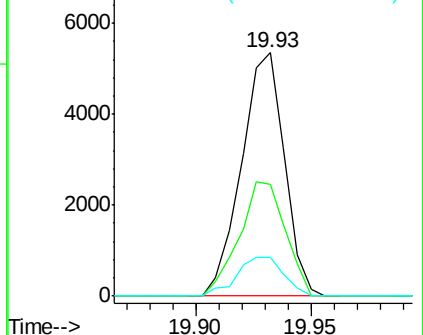
203 15.8 17.0 25.6#

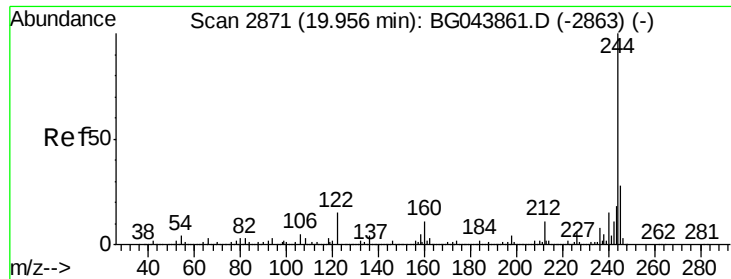


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 120.258 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

Instrument :

BNA_G

ClientSampleId :

SP5028

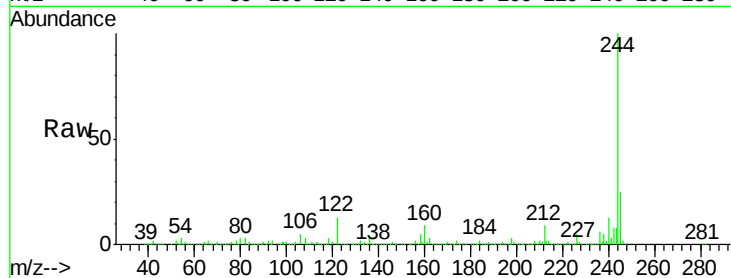
Tot Ion:244 Resp: 1859433

Ion Ratio Lower Upper

244 100

212 9.1 8.6 13.0

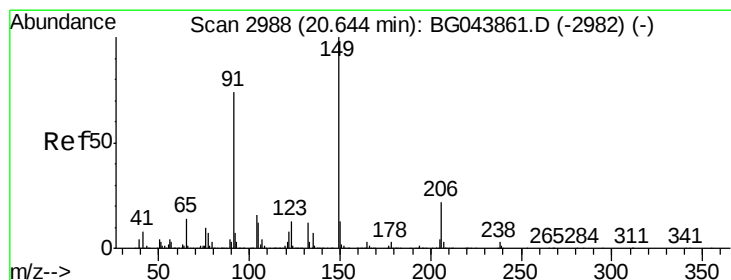
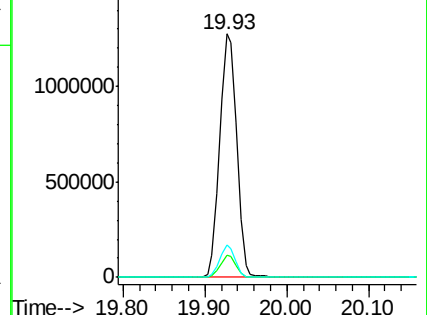
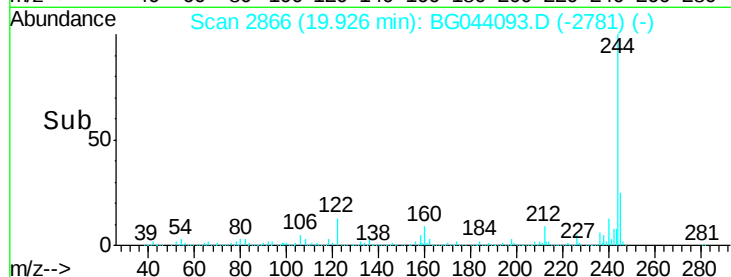
122 13.4 11.9 17.9



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: 0.011 ng

RT: 20.62 min Scan# 2984

Delta R.T. -0.02 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

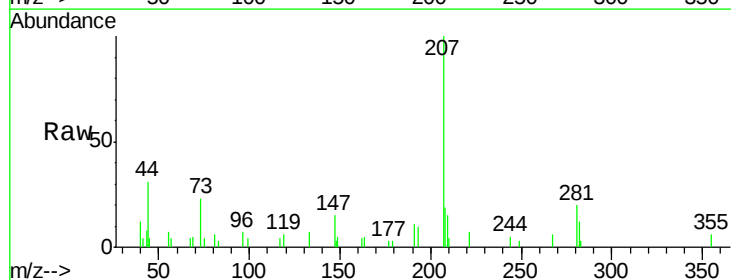
Tgt Ion:149 Resp: 144

Ion Ratio Lower Upper

149 100

91 0.0 59.5 89.3#

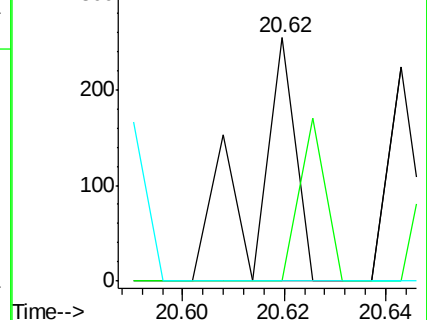
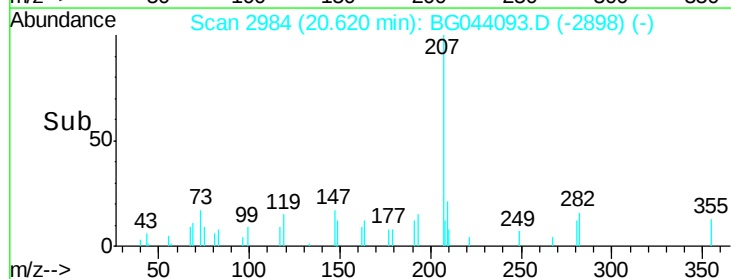
206 0.0 17.8 26.6#

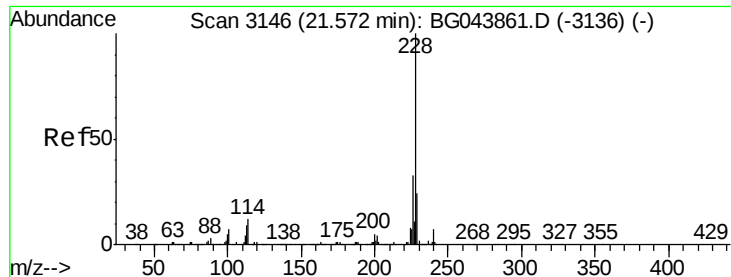


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

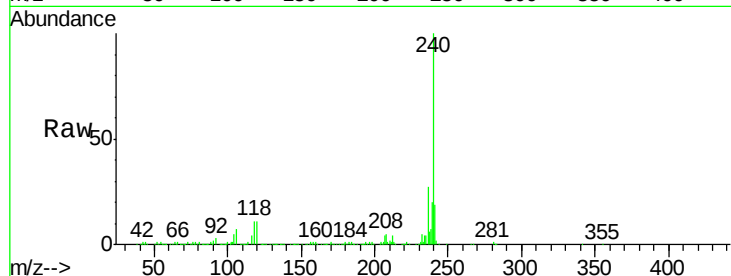




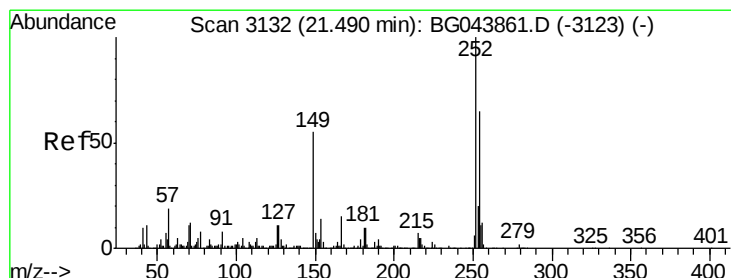
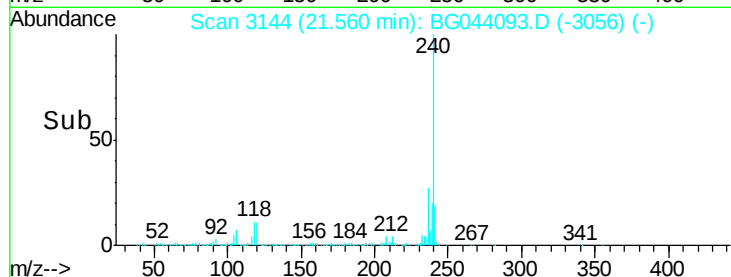
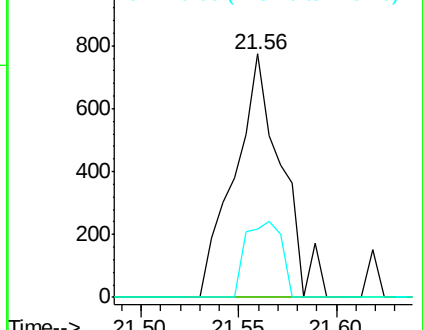
#81
Benzo(a)anthracene
Concen: 0.050 ng
RT: 21.56 min Scan# 3144
Delta R.T. -0.01 min
Lab File: BG044093.D
Acq: 20 Jan 2020 11:46

Instrument :
BNA_G
ClientSampled :
SP5028

Tot Ion:228 Resp: 1281
Ion Ratio Lower Upper
228 100
226 0.0 26.2 39.4#
229 27.9 18.9 28.3

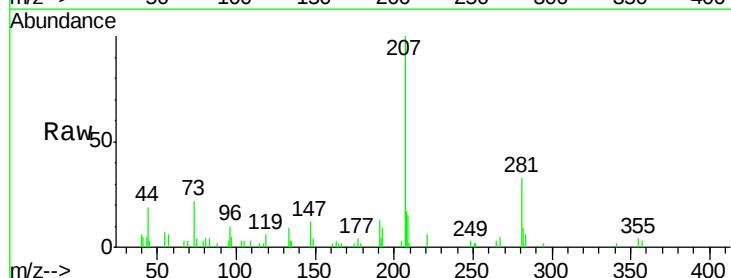


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

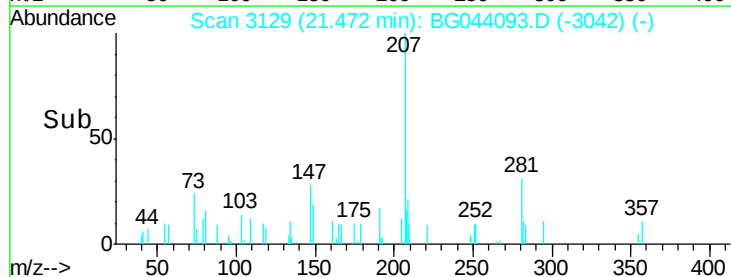
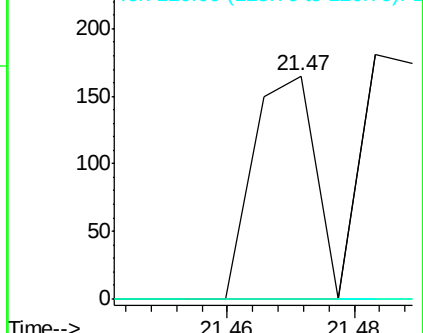


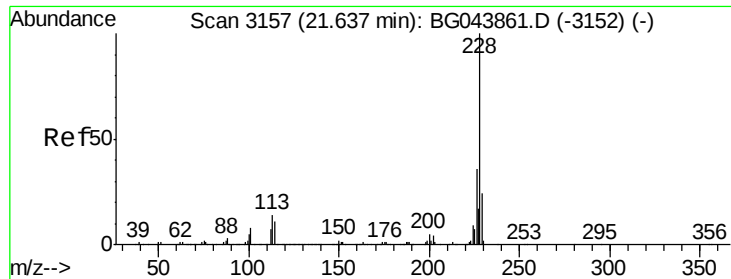
#82
3,3'-Dichlorobenzidine
Concen: 0.011 ng
RT: 21.47 min Scan# 3129
Delta R.T. -0.02 min
Lab File: BG044093.D
Acq: 20 Jan 2020 11:46

Tgt Ion:252 Resp: 111
Ion Ratio Lower Upper
252 100
254 0.0 52.1 78.1#
126 0.0 9.1 13.7#



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





#83

Chrysene

Concen: 0.002 ng

RT: 21.62 min Scan# 3154

Delta R.T. -0.02 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

Instrument :

BNA_G

ClientSampleId :

SP5028

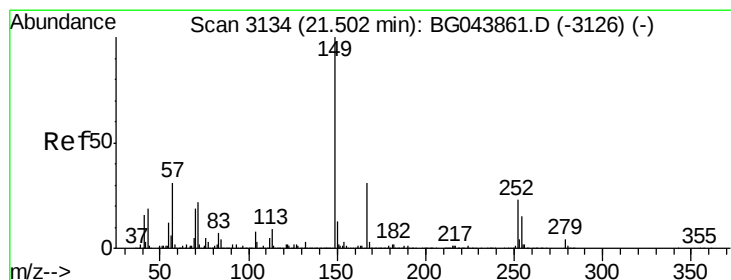
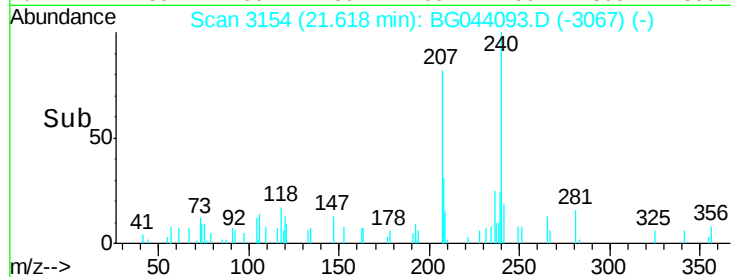
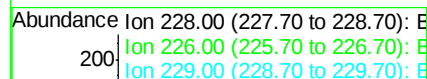
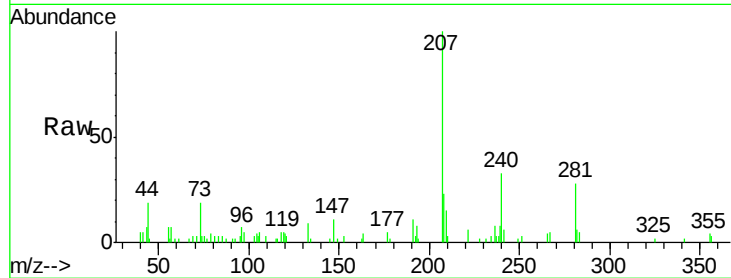
Tot Ion:228 Resp: 54

Ion Ratio Lower Upper

228 100

226 0.0 28.8 43.2#

229 0.0 19.0 28.6#



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.021 ng

RT: 21.48 min Scan# 3130

Delta R.T. -0.02 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

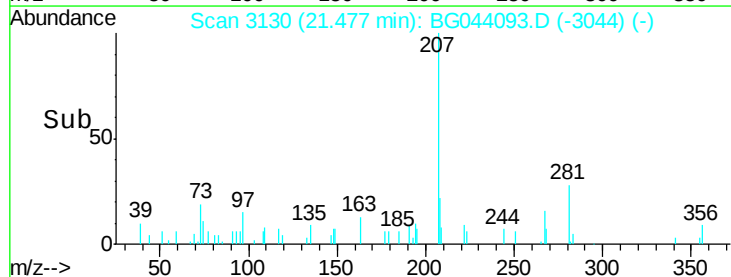
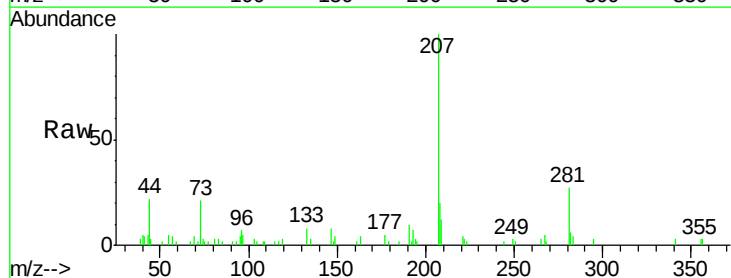
Tgt Ion:149 Resp: 375

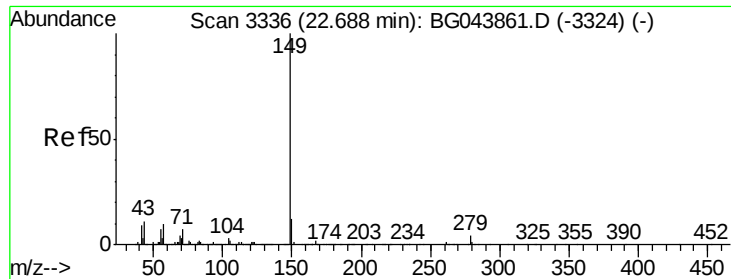
Ion Ratio Lower Upper

149 100

167 0.0 24.7 37.1#

279 0.0 3.3 4.9#

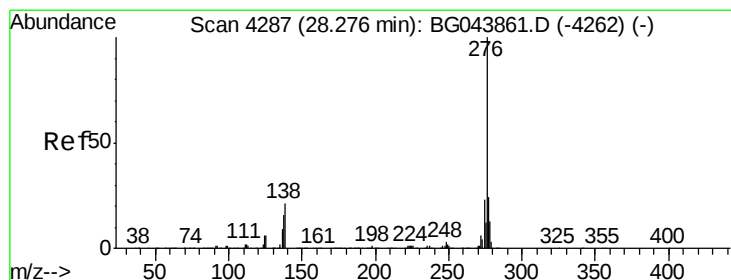
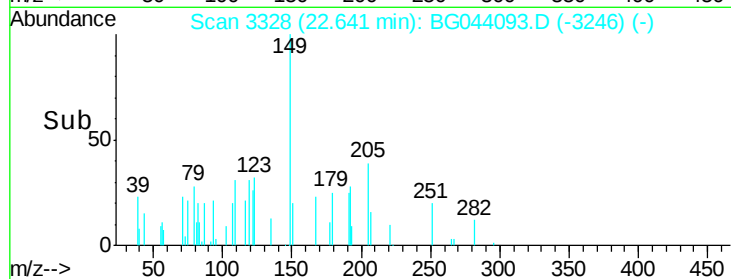
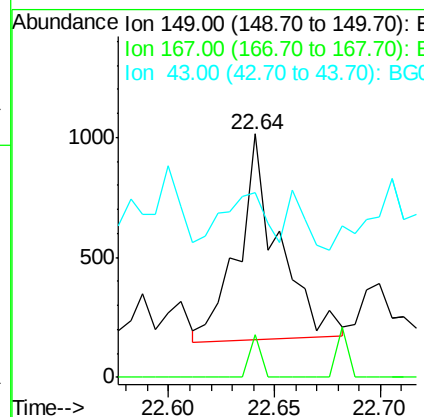
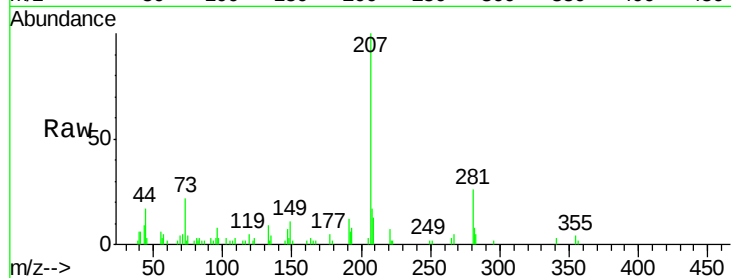




#85
Di-n-octyl phthalate
Concen: 0.038 ng
RT: 22.64 min Scan# 3328
Delta R.T. -0.05 min
Lab File: BG044093.D
Acq: 20 Jan 2020 11:46

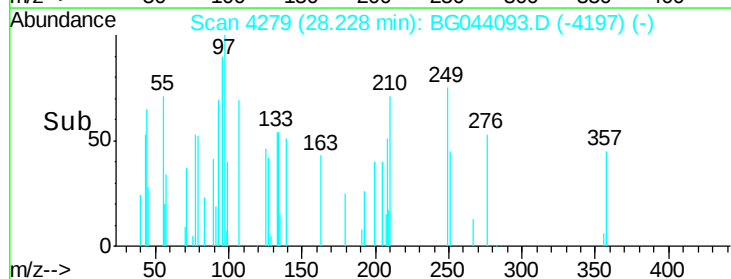
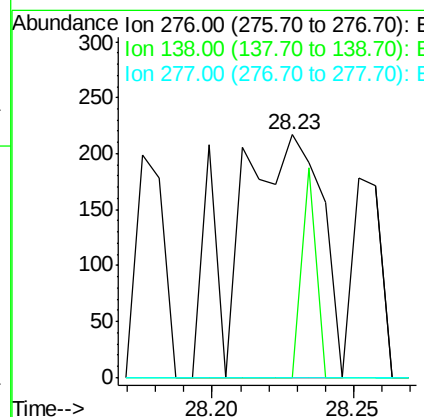
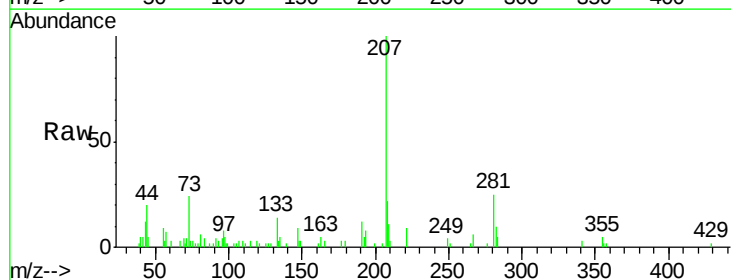
Instrument :
BNA_G
ClientSampled :
SP5028

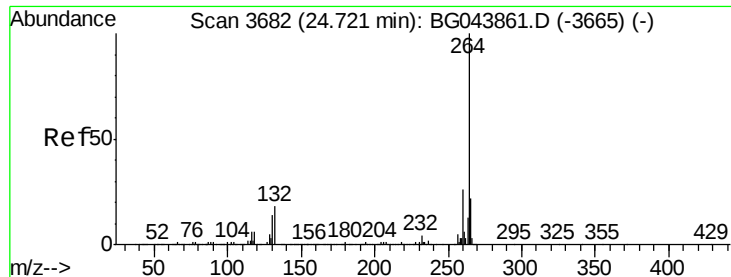
Tot Ion:149 Resp: 1134
Ion Ratio Lower Upper
149 100
167 5.6 1.4 2.0#
43 35.7 8.8 13.2#



#86
Indeno(1,2,3-cd)pyrene
Concen: 0.014 ng
RT: 28.23 min Scan# 4279
Delta R.T. -0.05 min
Lab File: BG044093.D
Acq: 20 Jan 2020 11:46

Tgt Ion:276 Resp: 468
Ion Ratio Lower Upper
276 100
138 14.1 21.0 31.4#
277 0.0 21.1 31.7#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.67 min Scan# 3674

Delta R.T. -0.05 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

Instrument :

BNA_G

ClientSampleId :

SP5028

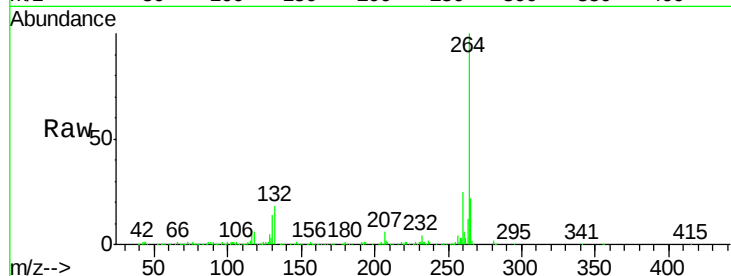
Tot Ion:264 Resp: 451783

Ion Ratio Lower Upper

264 100

260 24.6 20.4 30.6

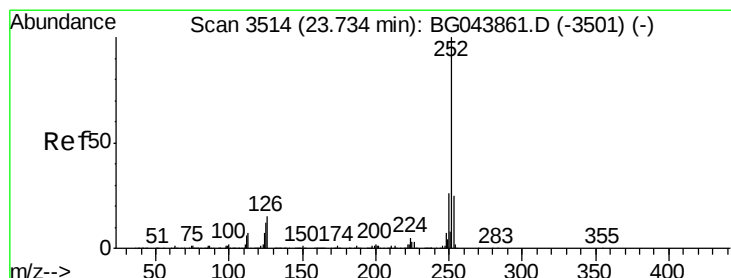
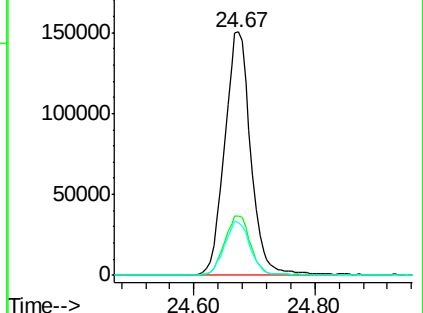
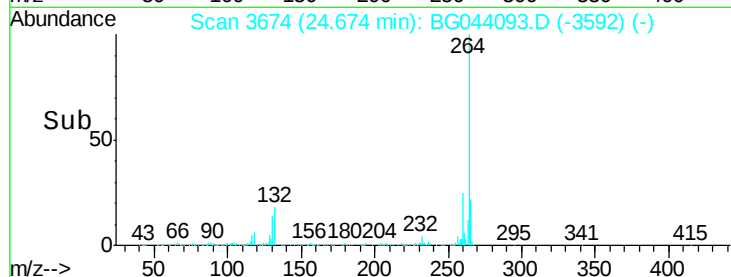
265 21.9 17.4 26.2



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: 0.024 ng

RT: 23.69 min Scan# 3506

Delta R.T. -0.05 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

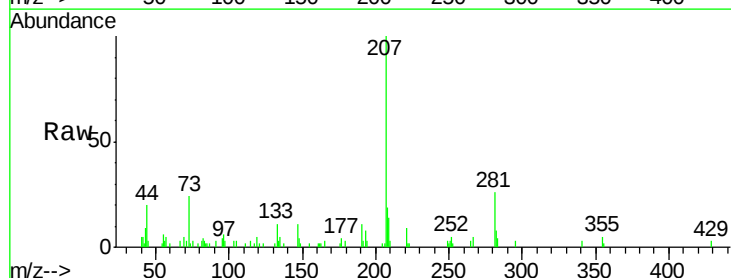
Tgt Ion:252 Resp: 645

Ion Ratio Lower Upper

252 100

253 38.1 19.7 29.5#

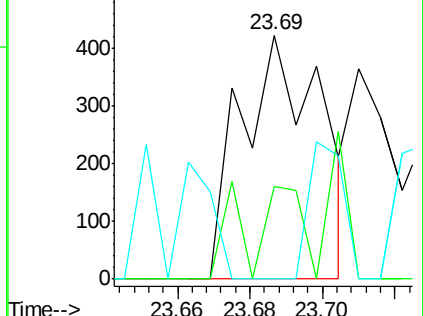
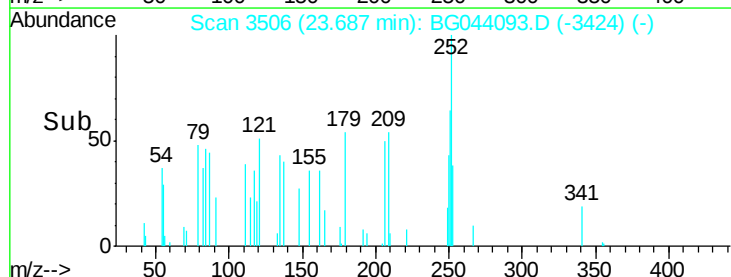
125 0.0 9.4 14.2#

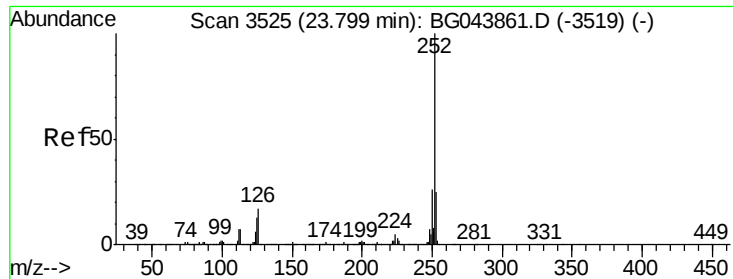


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

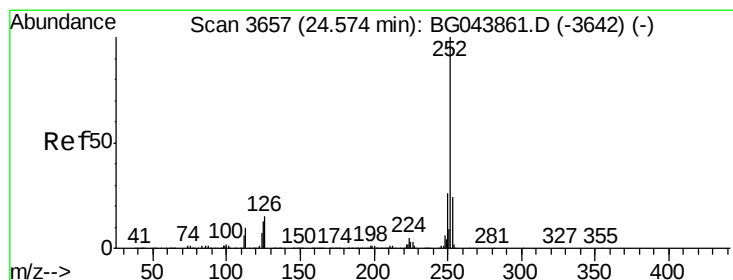
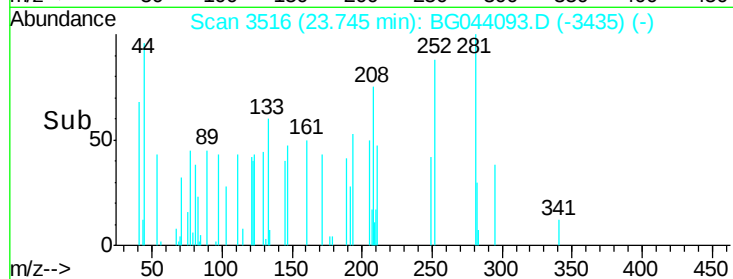
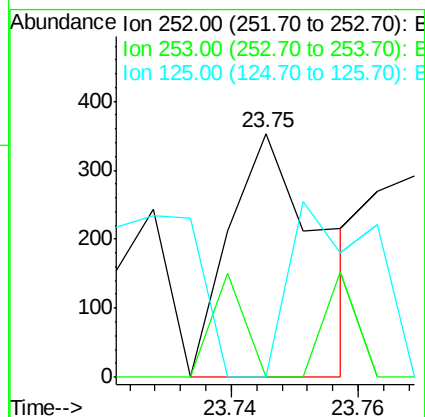
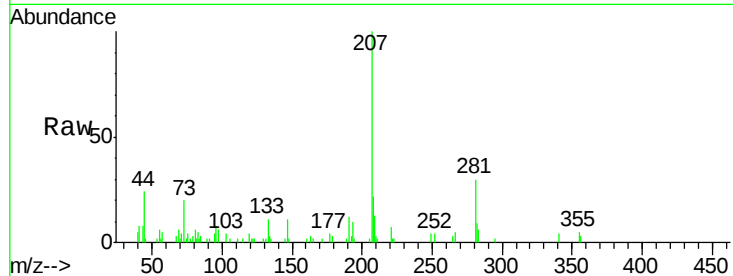




#89
Benzo(k)fluoranthene
Concen: 0.014 ng
RT: 23.75 min Scan# 3516
Delta R.T. -0.05 min
Lab File: BG044093.D
Acq: 20 Jan 2020 11:46

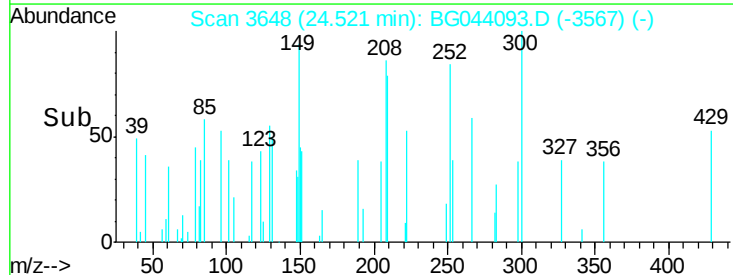
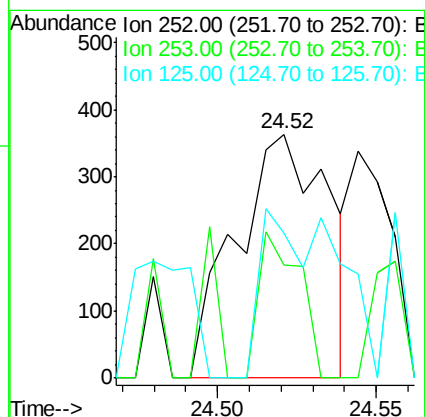
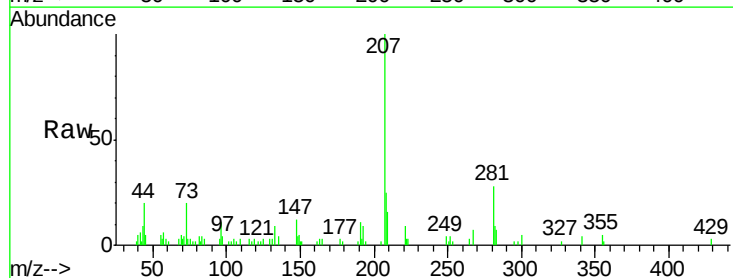
Instrument :
BNA_G
ClientSampleId :
SP5028

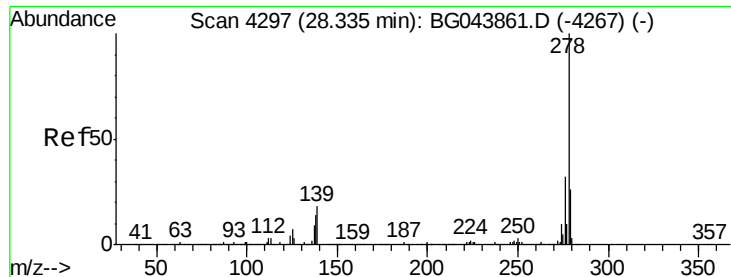
Tot Ion:252 Resp: 349
Ion Ratio Lower Upper
252 100
253 0.0 19.4 29.2#
125 0.0 9.9 14.9#



#90
Benzo(a)pyrene
Concen: 0.029 ng
RT: 24.52 min Scan# 3648
Delta R.T. -0.05 min
Lab File: BG044093.D
Acq: 20 Jan 2020 11:46

Tgt Ion:252 Resp: 738
Ion Ratio Lower Upper
252 100
253 46.6 19.3 28.9#
125 59.5 10.4 15.6#





#91

Dibenzo(a,h)anthracene

Concen: 0.005 ng

RT: 28.27 min Scan# 4286

Delta R.T. -0.07 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

Instrument :

BNA_G

ClientSampleId :

SP5028

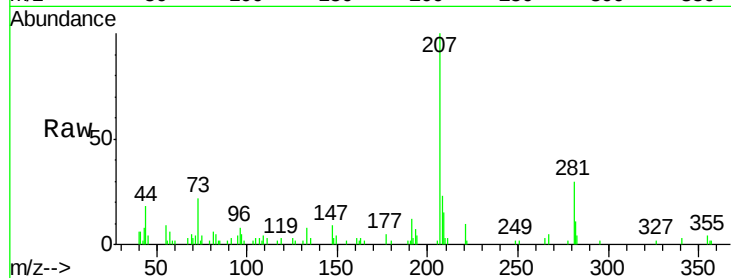
Tot Ion:278 Resp: 127

Ion Ratio Lower Upper

278 100

139 0.0 14.2 21.4#

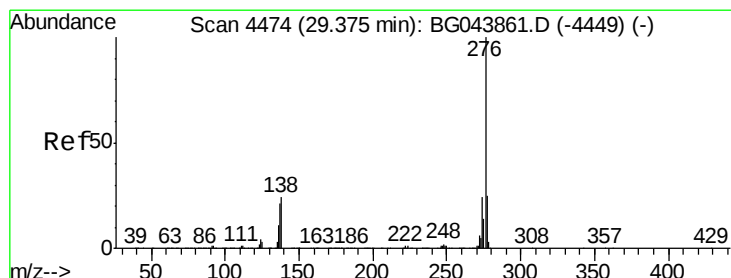
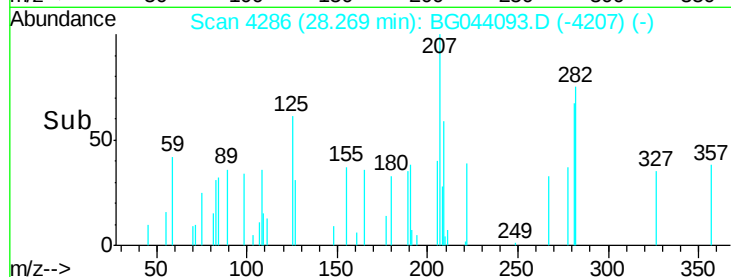
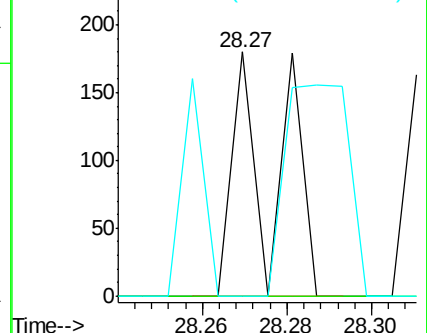
279 0.0 20.6 30.8#



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



#92

Benzo(g,h,i)perylene

Concen: 0.003 ng

RT: 29.31 min Scan# 4463

Delta R.T. -0.07 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

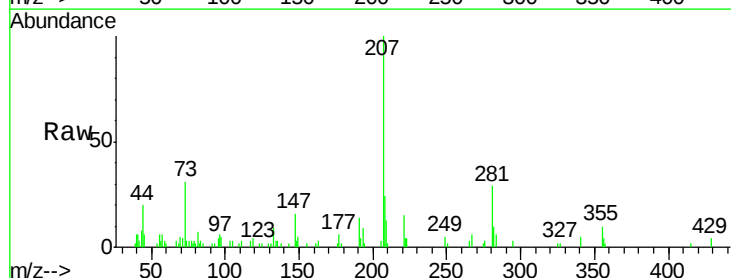
Tgt Ion:276 Resp: 80

Ion Ratio Lower Upper

276 100

277 0.0 20.2 30.4#

138 76.8 19.0 28.6#



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

