

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063023\
 Data File : BG057931.D
 Acq On : 30 Jun 2023 23:19
 Operator : CG/JU
 Sample : 03360-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CE-91-062023

Quant Time: Jul 01 02:21:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 01:12:33 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

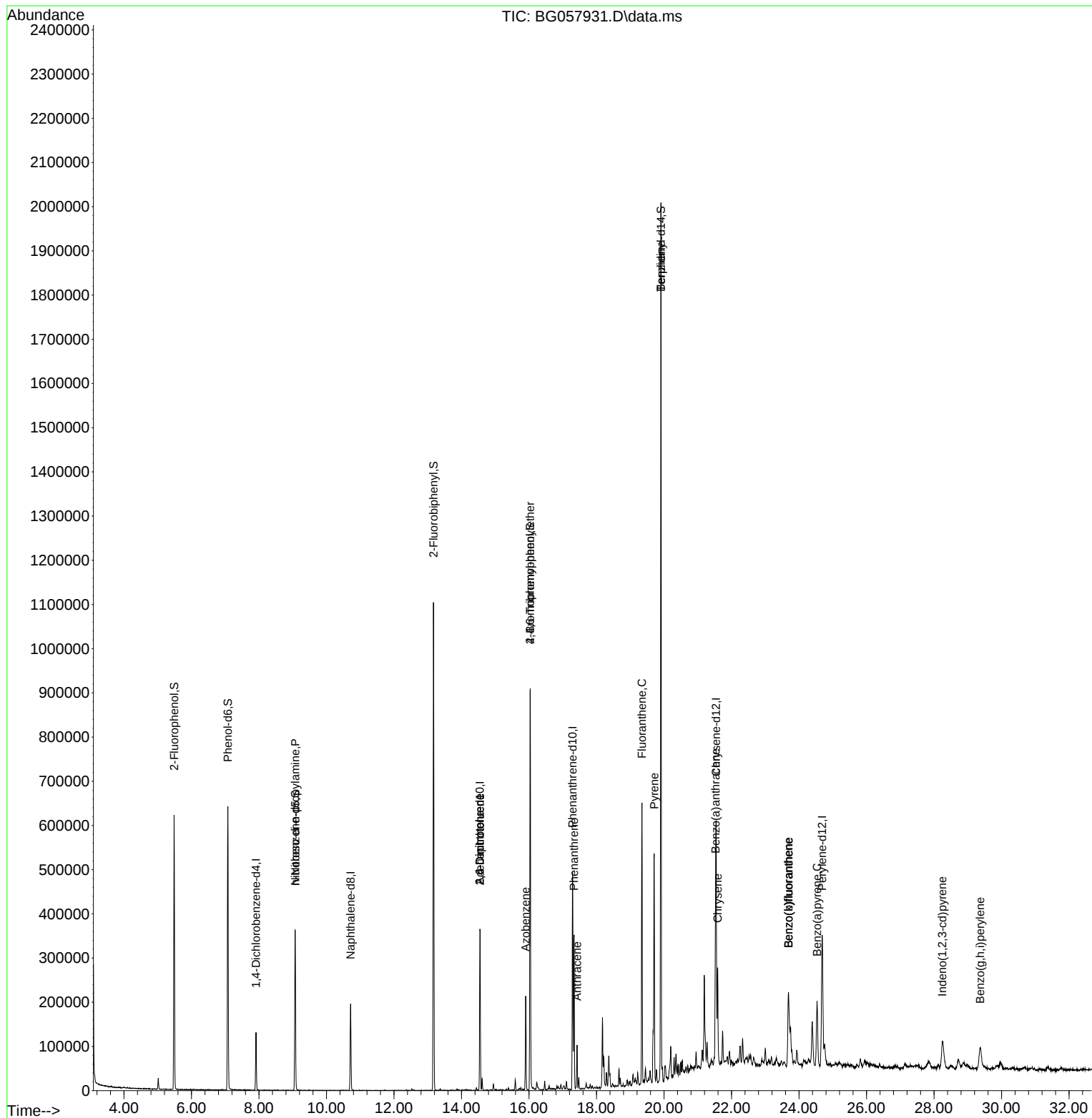
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.912	152	35581	20.000	ng	-0.01
21) Naphthalene-d8	10.714	136	165675	20.000	ng	-0.01
39) Acenaphthene-d10	14.545	164	133361	20.000	ng	-0.01
64) Phenanthrene-d10	17.289	188	320802	20.000	ng	-0.01
76) Chrysene-d12	21.543	240	262778	20.000	ng	-0.01
86) Perylene-d12	24.686	264	322167	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.485	112	261685	112.526	ng	0.00
7) Phenol-d6	7.077	99	388734	111.784	ng	0.00
23) Nitrobenzene-d5	9.075	82	226814	67.093	ng	-0.01
42) 2,4,6-Tribromophenol	16.037	330	204022	91.084	ng	0.00
45) 2-Fluorobiphenyl	13.170	172	588102	67.296	ng	-0.01
79) Terphenyl-d14	19.909	244	1021259	70.852	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.083	77	534	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	9.075	70	28412	12.210	ng	# 72
51) 2,6-Dinitrotoluene	14.545	165	18007	8.205	ng	# 23
57) 2,4-Dinitrotoluene	14.545	165	18007	5.655	ng	# 21
63) Azobenzene	15.902	77	58850	5.523	ng	# 1
67) 4-Bromophenyl-phenylether	16.037	248	12717	3.755	ng	# 1
71) Phenanthrene	17.336	178	217059	14.095	ng	99
72) Anthracene	17.424	178	61557	3.876	ng	99
75) Fluoranthene	19.345	202	382041	19.693	ng	100
77) Benzidine	19.909	184	12910	2.094	ng	# 88
78) Pyrene	19.710	202	339190	18.077	ng	99
81) Benzo(a)anthracene	21.525	228	175992	9.678	ng	98
83) Chrysene	21.590	228	149755	8.700	ng	98
87) Indeno(1,2,3-cd)pyrene	28.247	276	107657	5.044	ng	95
88) Benzo(b)fluoranthene	23.687	252	213869	12.171	ng	97
89) Benzo(k)fluoranthene	23.687	252	213869	12.043	ng	98
90) Benzo(a)pyrene	24.533	252	161398	9.272	ng	100
92) Benzo(g,h,i)perylene	29.369	276	106405	6.048	ng	98

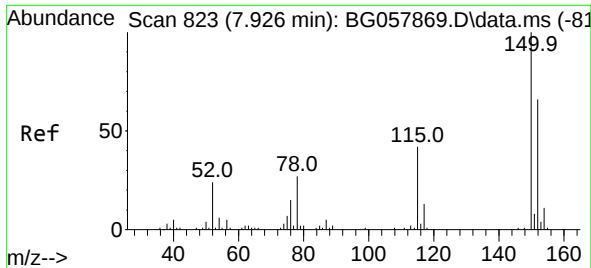
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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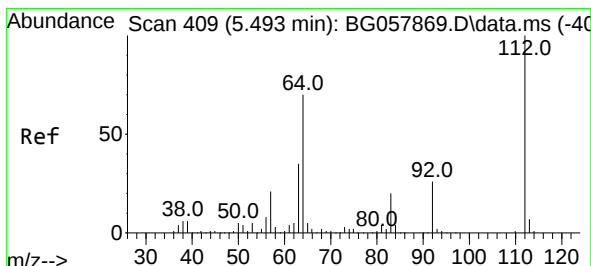
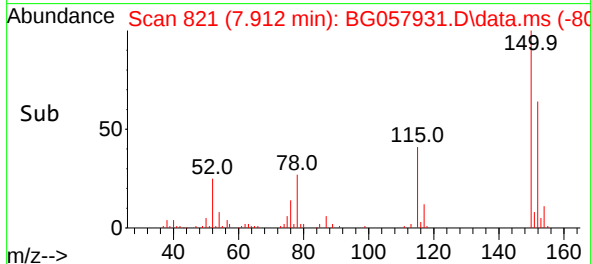
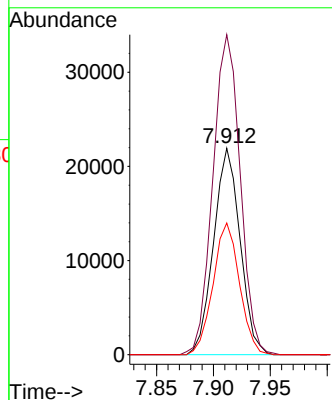
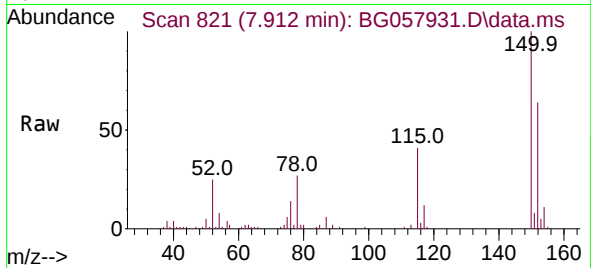




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.912 min Scan# 81
Delta R.T. -0.014 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

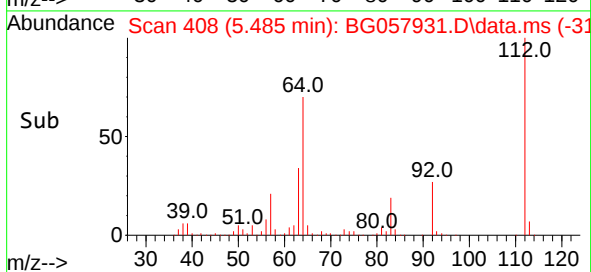
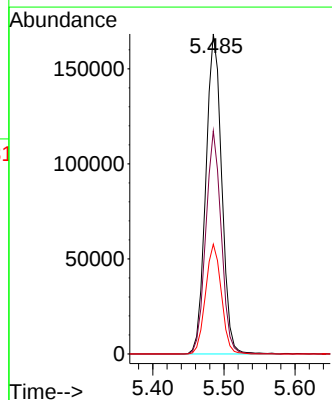
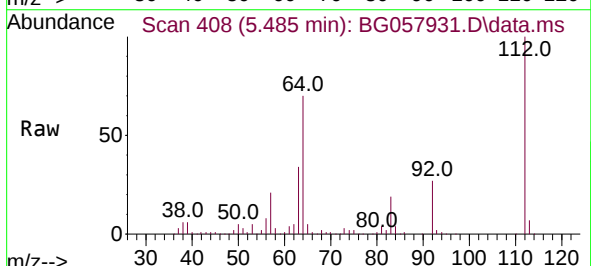
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BNA_G
ClientSampleId :
CE-91-062023

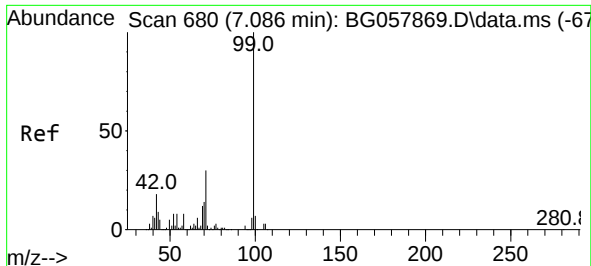
Tgt Ion:152 Resp: 35581
Ion Ratio Lower Upper
152 100
150 155.1 122.0 183.0
115 63.8 50.7 76.1



#5
2-Fluorophenol
Concen: 112.526 ng
RT: 5.485 min Scan# 408
Delta R.T. -0.008 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

Tgt Ion:112 Resp: 261685
Ion Ratio Lower Upper
112 100
64 69.7 55.8 83.6
63 34.3 27.9 41.9

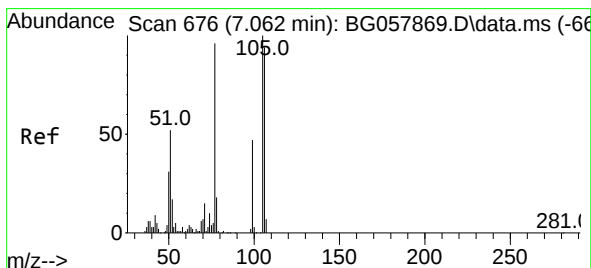
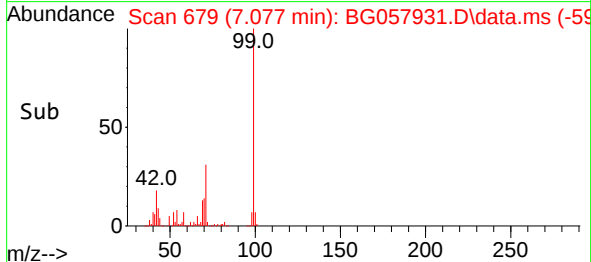
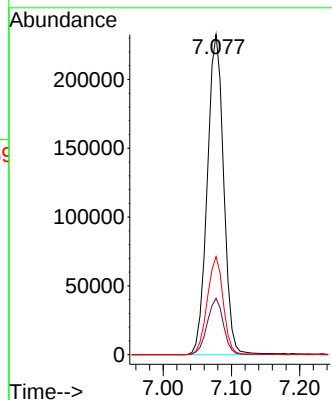
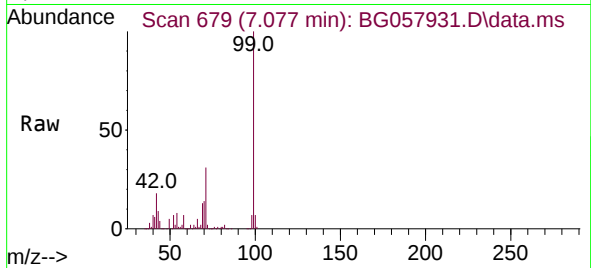




#7
Phenol-d6
Concen: 111.784 ng
RT: 7.077 min Scan# 61
Delta R.T. -0.008 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

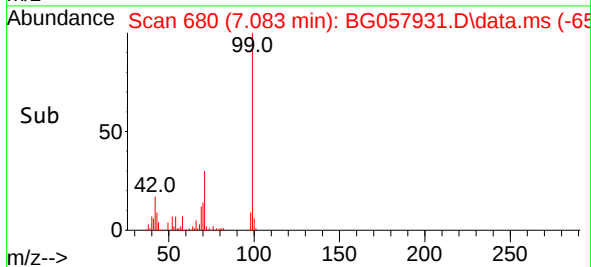
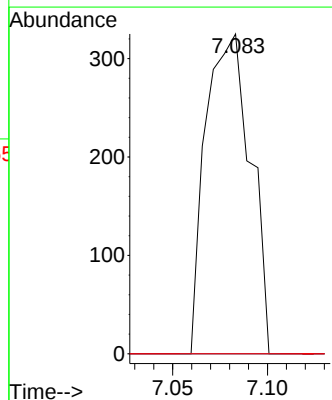
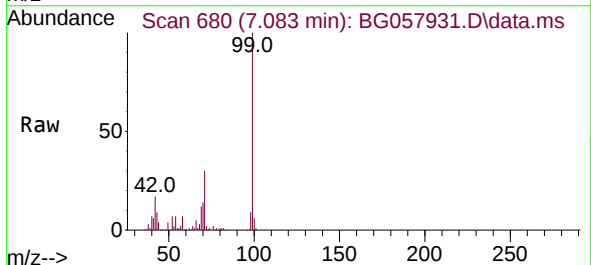
Instrument :
BNA_G
ClientSampleId :
CE-91-062023

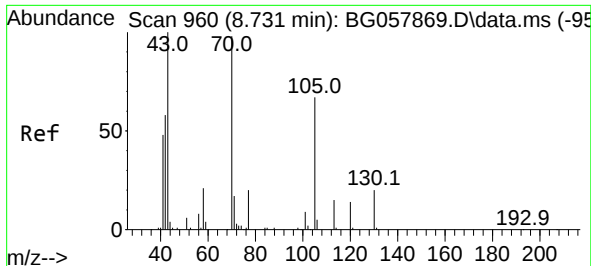
Tgt Ion: 99 Resp: 388734
Ion Ratio Lower Upper
99 100
42 17.6 14.2 21.4
71 30.6 23.9 35.9



#9
Benzaldehyde
Concen: Below Cal
RT: 7.083 min Scan# 680
Delta R.T. 0.021 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

Tgt Ion: 77 Resp: 534
Ion Ratio Lower Upper
77 100
105 0.0 83.7 123.7#
106 0.0 77.4 117.4#

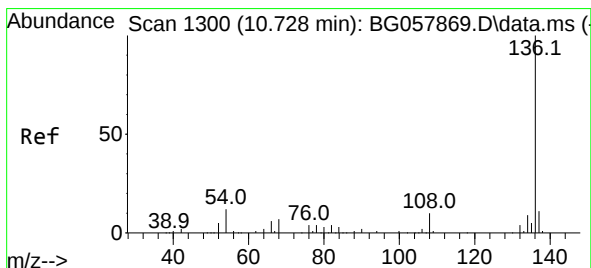
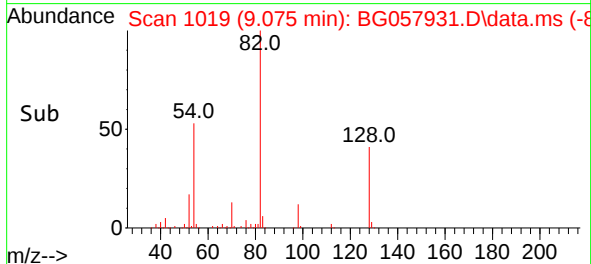
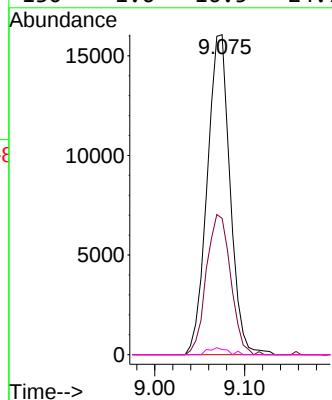
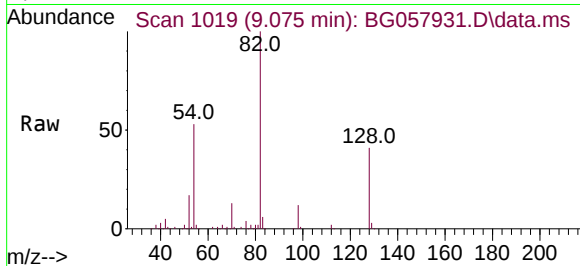




#19
n-Nitroso-di-n-propylamine
Concen: 12.210 ng
RT: 9.075 min Scan# 1019
Delta R.T. 0.344 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

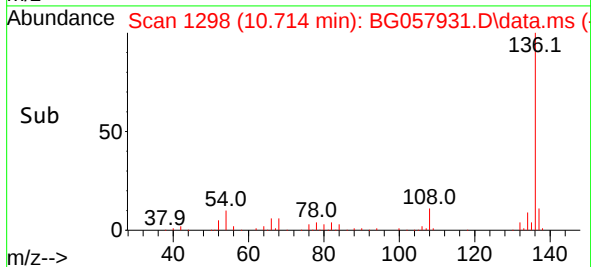
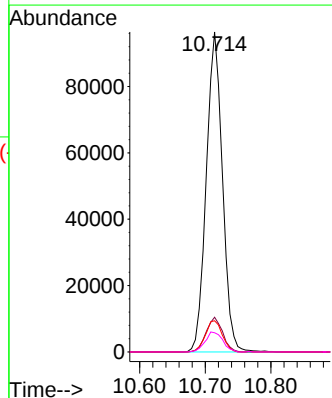
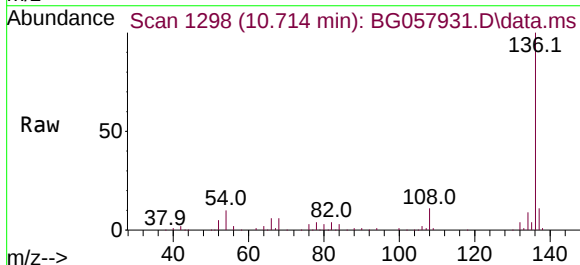
Instrument :
BNA_G
ClientSampleId :
CE-91-062023

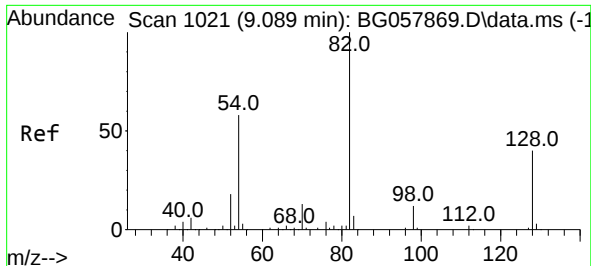
Tgt Ion: 70 Resp: 28412
Ion Ratio Lower Upper
70 100
42 42.6 48.4 72.6#
101 0.0 7.2 10.8#
130 1.6 16.5 24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.714 min Scan# 1298
Delta R.T. -0.014 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

Tgt Ion: 136 Resp: 165675
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 9.8 9.3 13.9
68 6.0 5.9 8.9

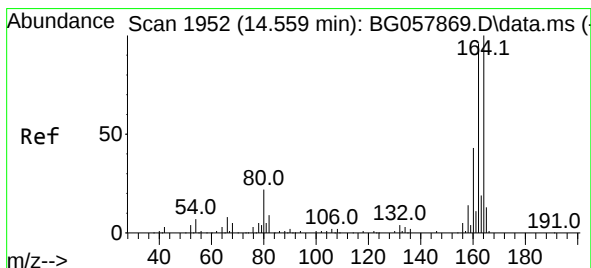
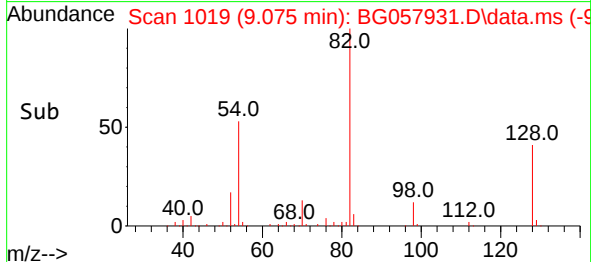
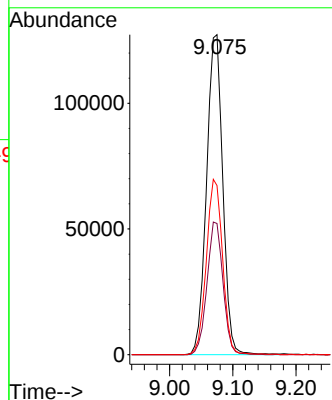
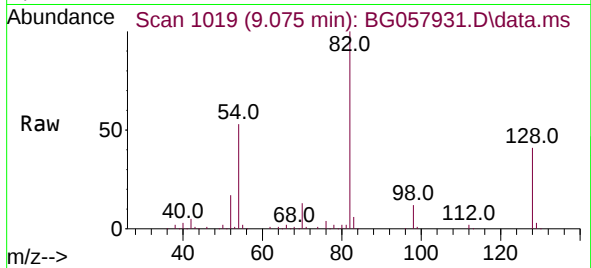




#23
Nitrobenzene-d5
Concen: 67.093 ng
RT: 9.075 min Scan# 1019
Delta R.T. -0.014 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

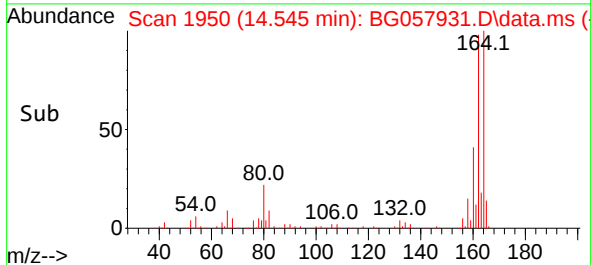
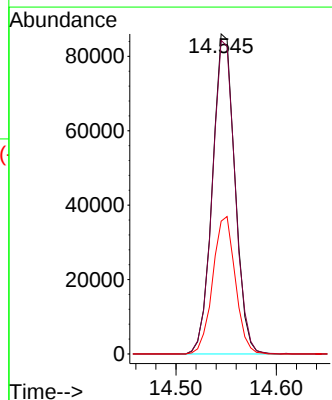
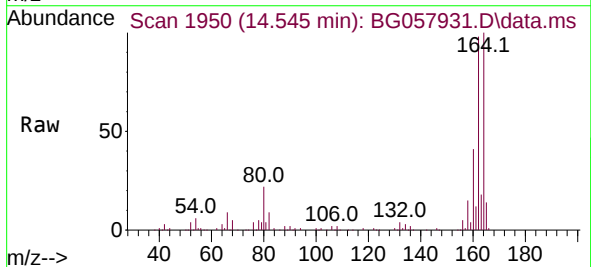
Instrument :
BNA_G
ClientSampleId :
CE-91-062023

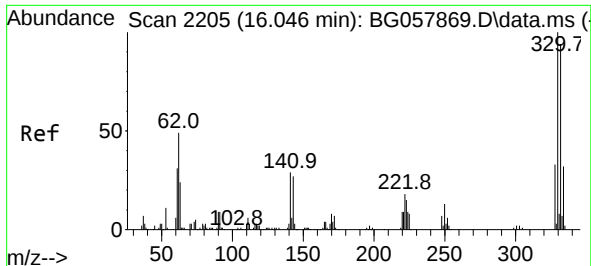
Tgt Ion: 82 Resp: 226814
Ion Ratio Lower Upper
82 100
128 41.0 32.2 48.4
54 52.8 46.1 69.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.545 min Scan# 1950
Delta R.T. -0.014 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

Tgt Ion: 164 Resp: 133361
Ion Ratio Lower Upper
164 100
162 98.0 76.4 114.6
160 41.5 34.2 51.2

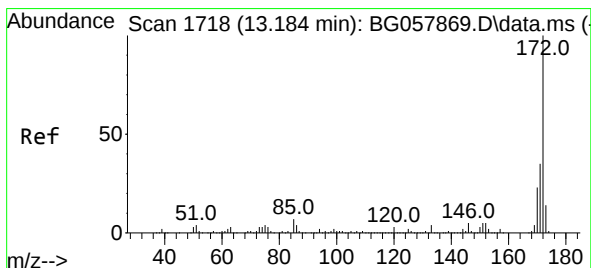
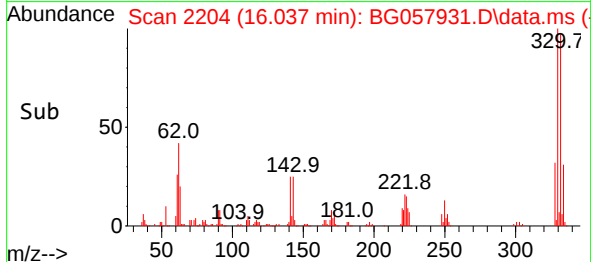
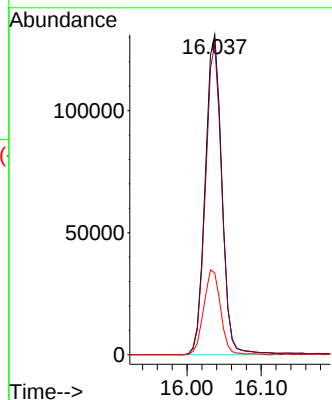
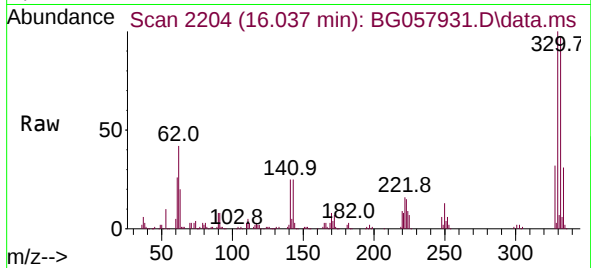




#42
2,4,6-Tribromophenol
Concen: 91.084 ng
RT: 16.037 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

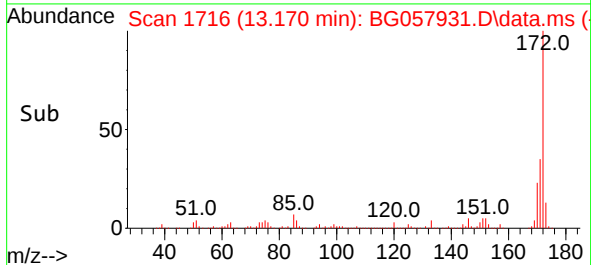
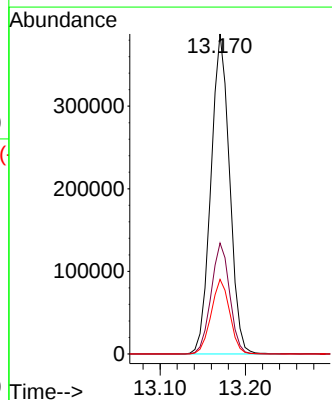
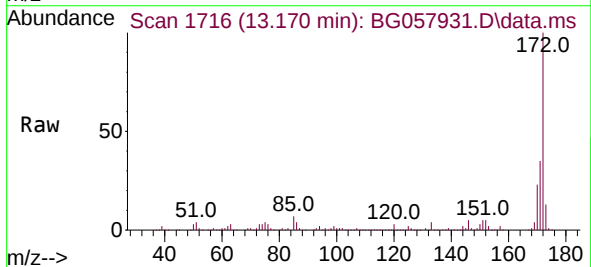
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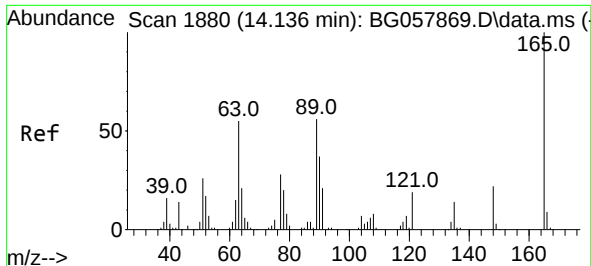
Tgt Ion:330 Resp: 204022
Ion Ratio Lower Upper
330 100
332 96.9 77.1 115.7
141 26.9 22.2 33.4



#45
2-Fluorobiphenyl
Concen: 67.296 ng
RT: 13.170 min Scan# 1716
Delta R.T. -0.014 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

Tgt Ion:172 Resp: 588102
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.8
170 23.3 18.6 27.8

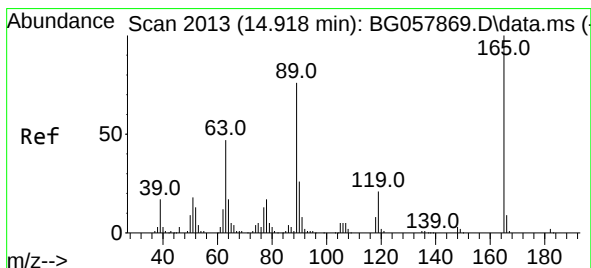
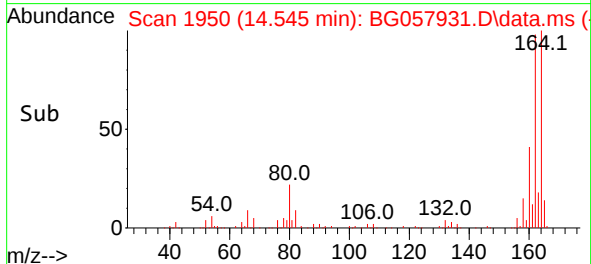
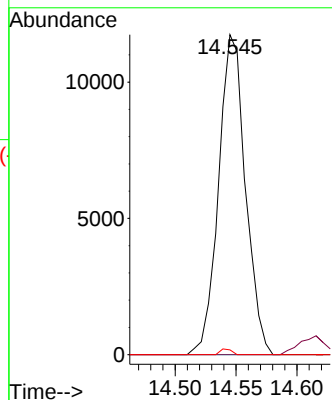
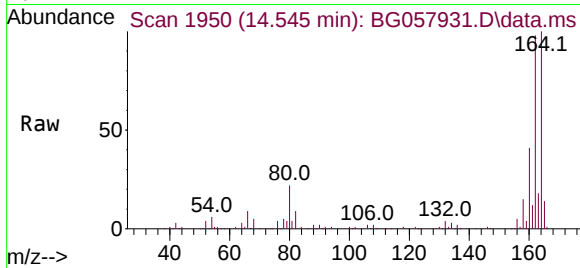




#51
2,6-Dinitrotoluene
Concen: 8.205 ng
RT: 14.545 min Scan# 1950
Delta R.T. 0.409 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

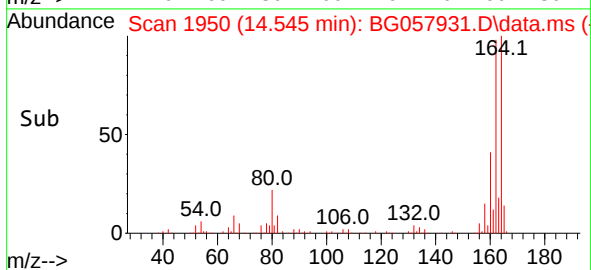
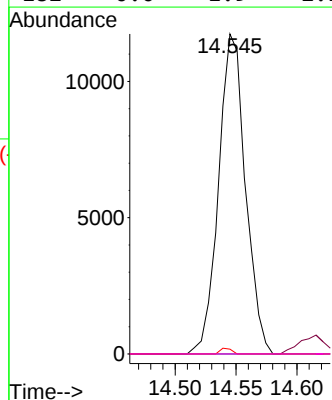
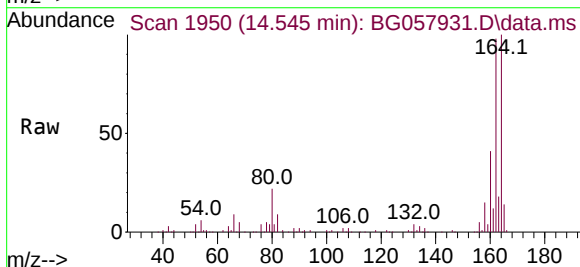
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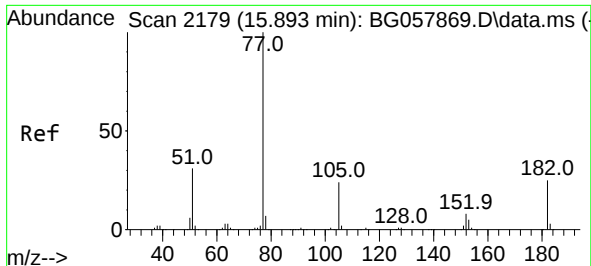
Tgt Ion:165 Resp: 18007
Ion Ratio Lower Upper
165 100
63 0.0 46.4 69.6#
89 1.5 45.0 67.6#



#57
2,4-Dinitrotoluene
Concen: 5.655 ng
RT: 14.545 min Scan# 1950
Delta R.T. -0.372 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

Tgt Ion:165 Resp: 18007
Ion Ratio Lower Upper
165 100
63 0.0 37.6 56.4#
89 1.5 61.0 91.4#
182 0.0 1.9 2.9#

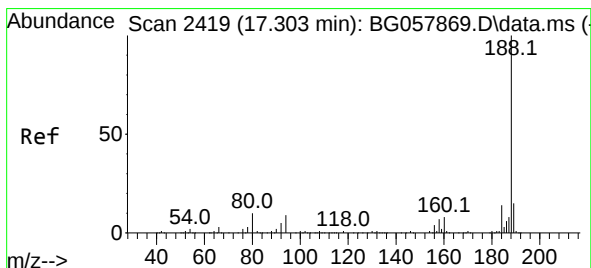
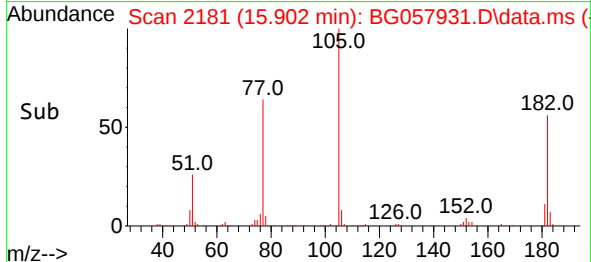
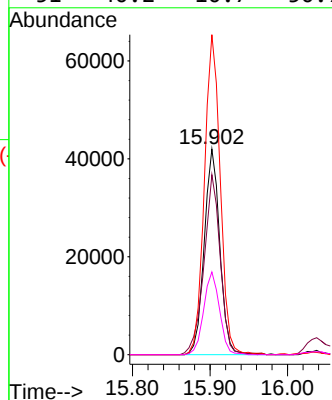
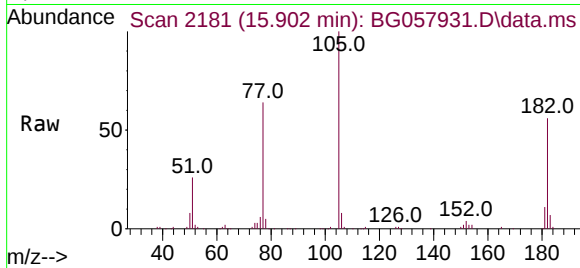




#63
Azobenzene
Concen: 5.523 ng
RT: 15.902 min Scan# 2179
Delta R.T. 0.009 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

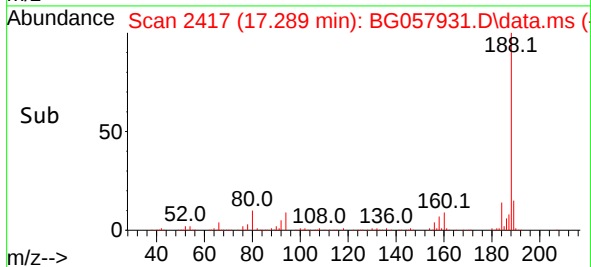
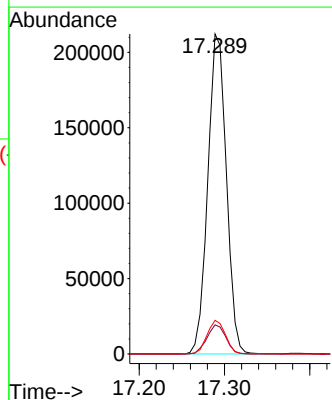
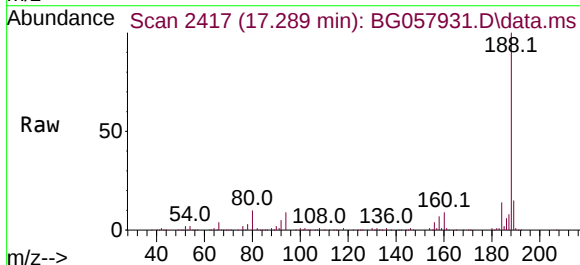
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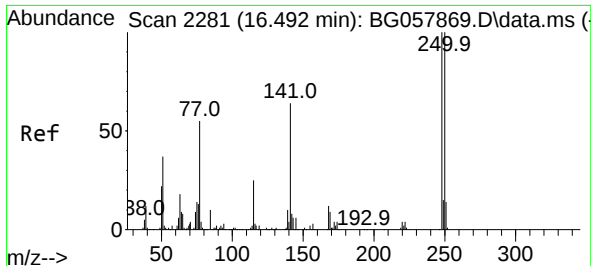
Tgt Ion: 77 Resp: 58850
Ion Ratio Lower Upper
77 100
182 87.5 5.1 45.1#
105 155.6 3.9 43.9#
51 40.2 10.7 50.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.289 min Scan# 2417
Delta R.T. -0.014 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

Tgt Ion:188 Resp: 320802
Ion Ratio Lower Upper
188 100
94 9.1 7.2 10.8
80 10.5 8.4 12.6

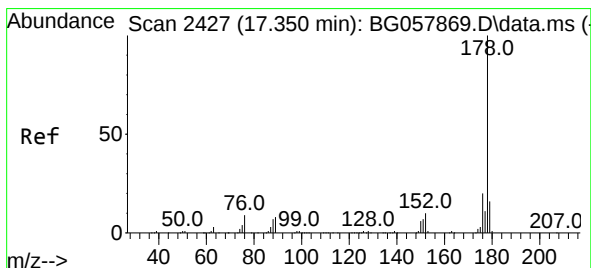
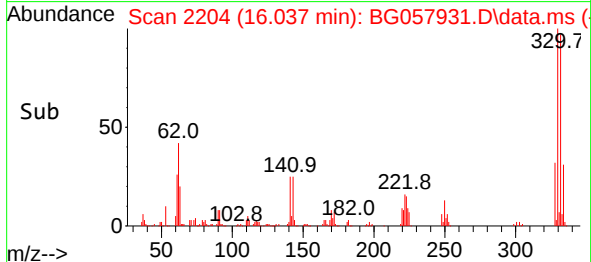
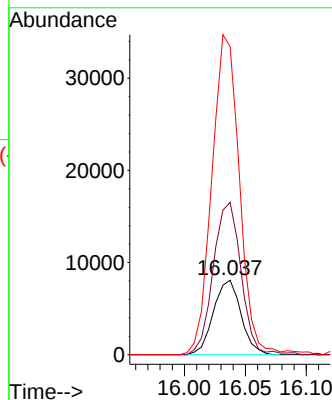
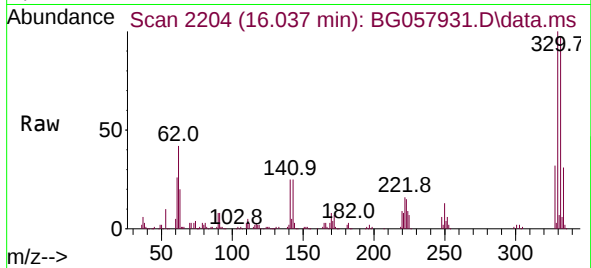




#67
4-Bromophenyl-phenylether
Concen: 3.755 ng
RT: 16.037 min Scan# 21
Delta R.T. -0.455 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

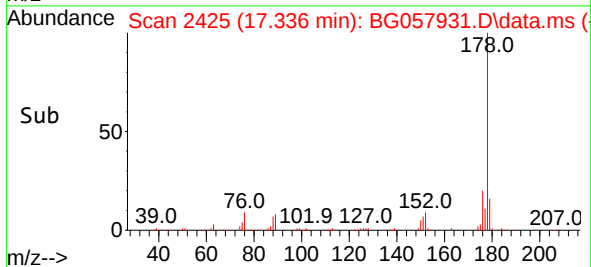
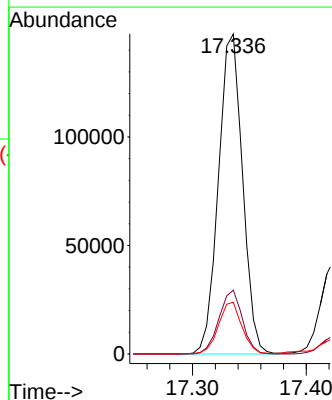
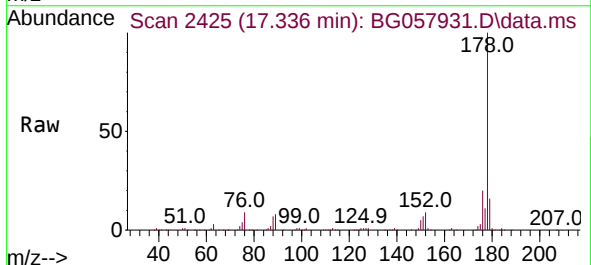
Instrument :
BNA_G
ClientSampleId :
CE-91-062023

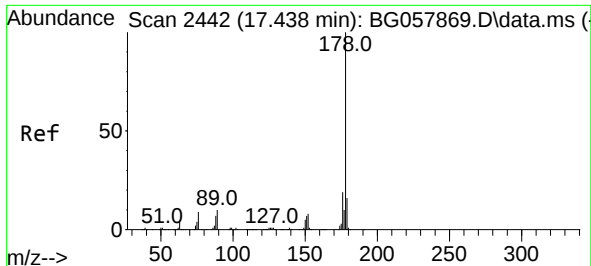
Tgt Ion:248 Resp: 12717
Ion Ratio Lower Upper
248 100
250 204.7 79.7 119.5#
141 413.9 50.8 76.2#



#71
Phenanthrene
Concen: 14.095 ng
RT: 17.336 min Scan# 2425
Delta R.T. -0.014 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

Tgt Ion:178 Resp: 217059
Ion Ratio Lower Upper
178 100
176 19.9 16.3 24.5
179 16.2 13.2 19.8

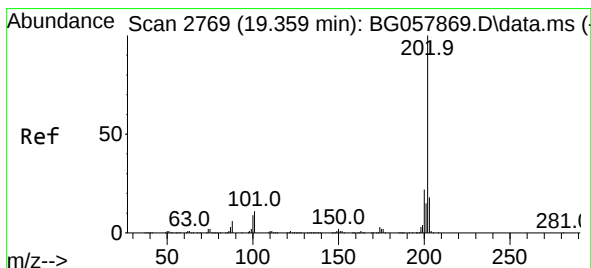
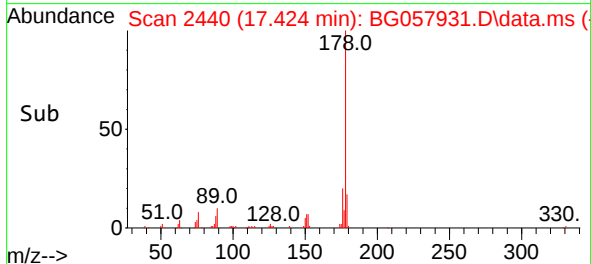
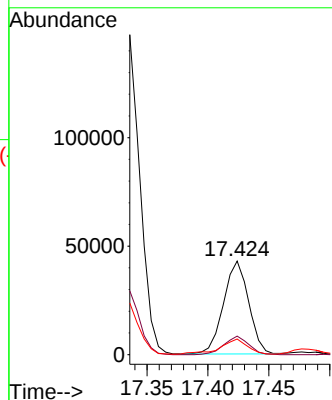
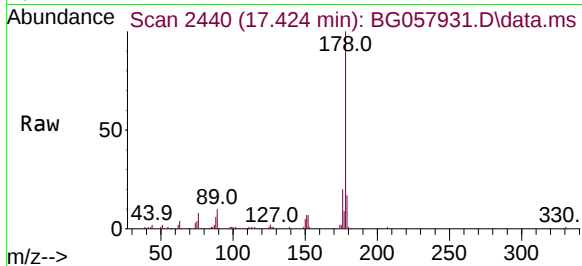




#72
 Anthracene
 Concen: 3.876 ng
 RT: 17.424 min Scan# 2442
 Delta R.T. -0.014 min
 Lab File: BG057931.D
 Acq: 30 Jun 2023 23:19

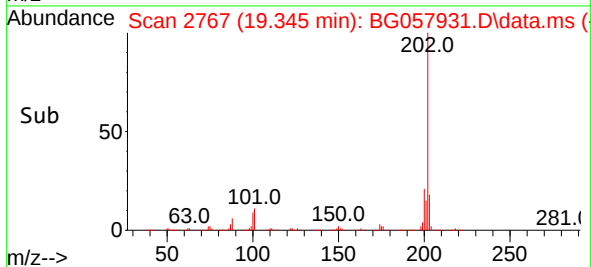
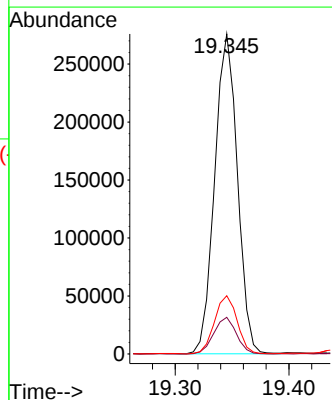
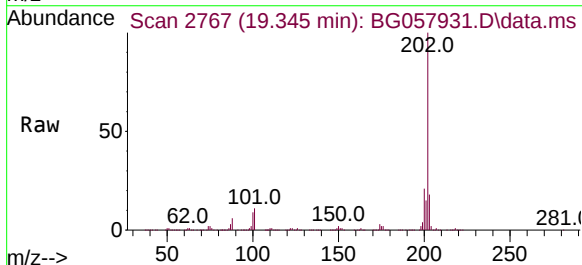
Instrument :
 BNA_G
 ClientSampleId :
 CE-91-062023

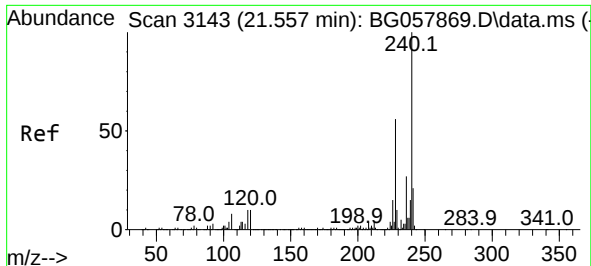
Tgt Ion:178 Resp: 61557
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.4 23.0
 179 16.8 12.9 19.3



#75
 Fluoranthene
 Concen: 19.693 ng
 RT: 19.345 min Scan# 2767
 Delta R.T. -0.014 min
 Lab File: BG057931.D
 Acq: 30 Jun 2023 23:19

Tgt Ion:202 Resp: 382041
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 31.3
 203 18.2 0.0 38.2

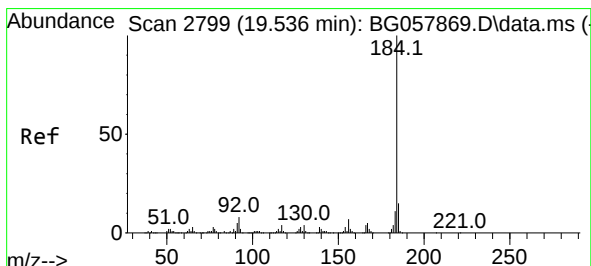
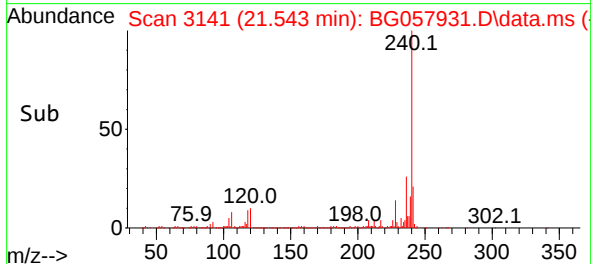
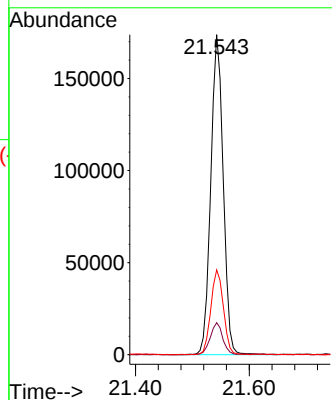
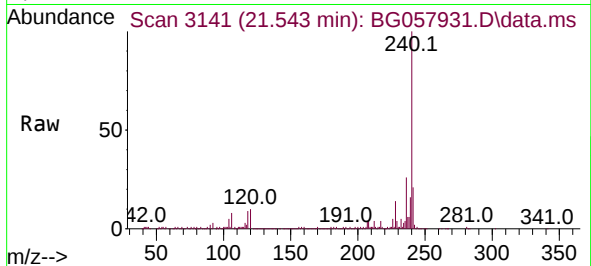




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.543 min Scan# 3143
Delta R.T. -0.014 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

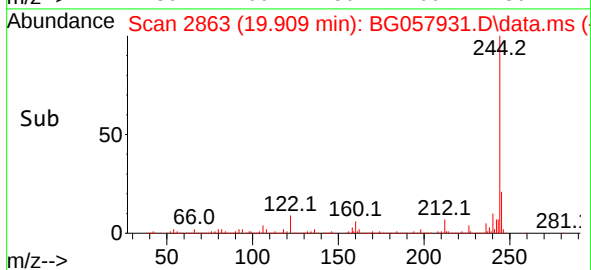
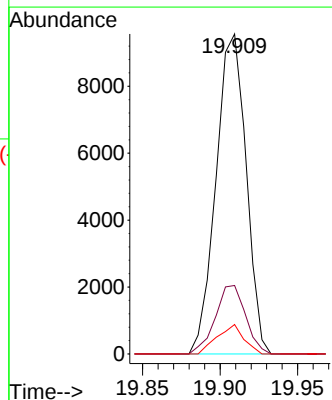
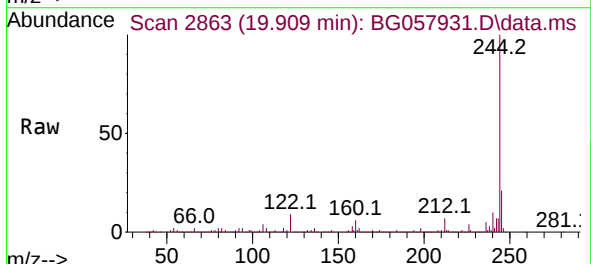
Instrument :
BNA_G
ClientSampleId :
CE-91-062023

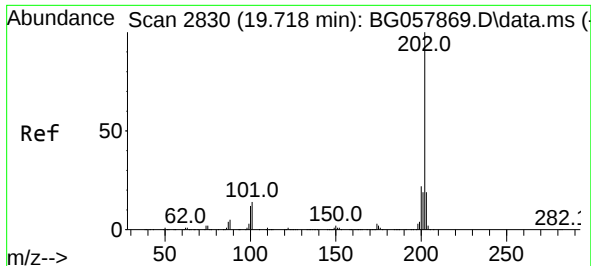
Tgt Ion:240 Resp: 262778
Ion Ratio Lower Upper
240 100
120 10.0 8.1 12.1
236 26.5 21.9 32.9



#77
Benzidine
Concen: 2.094 ng
RT: 19.909 min Scan# 2863
Delta R.T. 0.373 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

Tgt Ion:184 Resp: 12910
Ion Ratio Lower Upper
184 100
185 21.4 11.7 17.5#
183 9.2 9.0 13.4

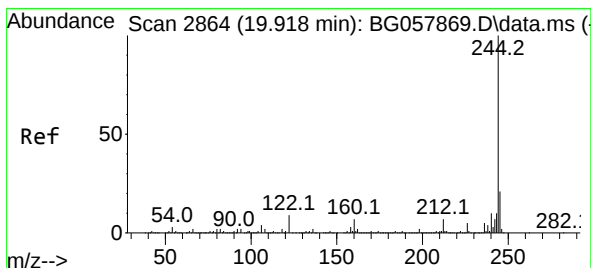
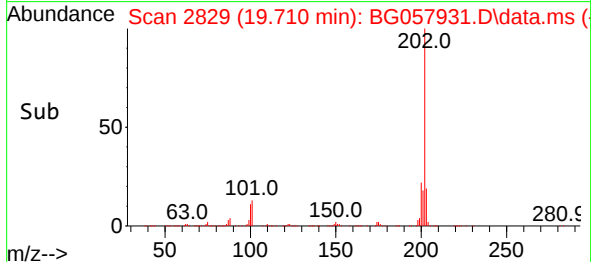
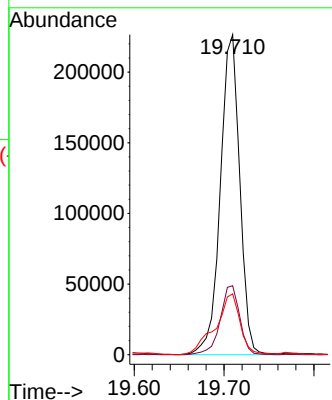
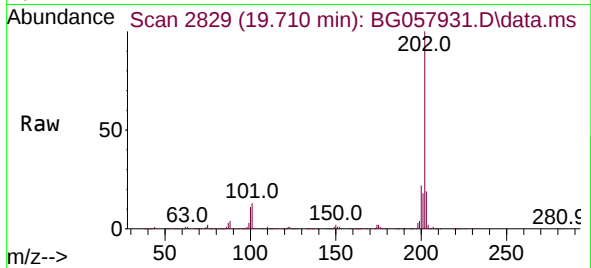




#78
 Pyrene
 Concen: 18.077 ng
 RT: 19.710 min Scan# 2829
 Delta R.T. -0.008 min
 Lab File: BG057931.D
 Acq: 30 Jun 2023 23:19

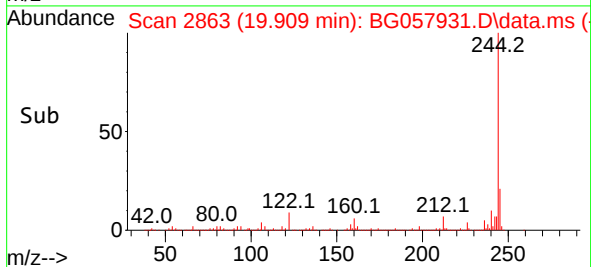
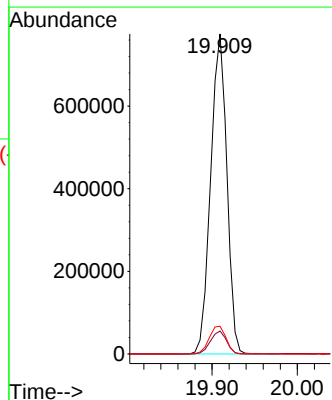
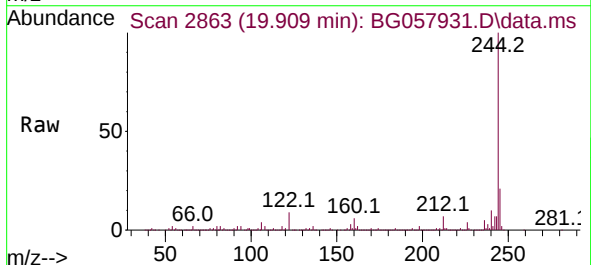
Instrument :
 BNA_G
 ClientSampleId :
 CE-91-062023

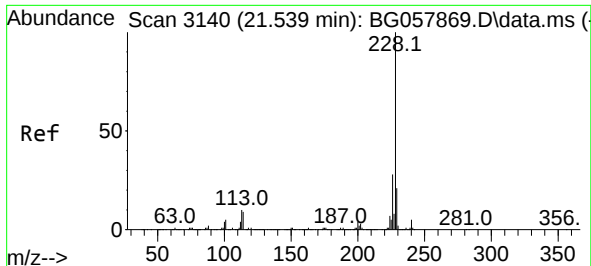
Tgt Ion:202 Resp: 339190
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.7 26.5
 203 19.0 15.2 22.8



#79
 Terphenyl-d14
 Concen: 70.852 ng
 RT: 19.909 min Scan# 2863
 Delta R.T. -0.008 min
 Lab File: BG057931.D
 Acq: 30 Jun 2023 23:19

Tgt Ion:244 Resp: 1021259
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 8.7 7.4 11.0

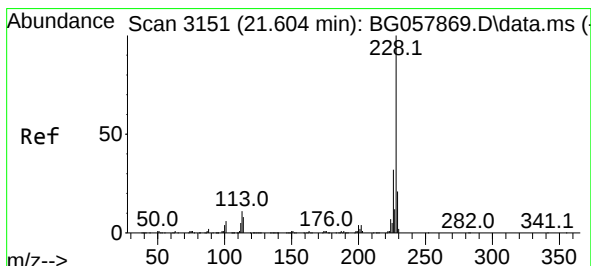
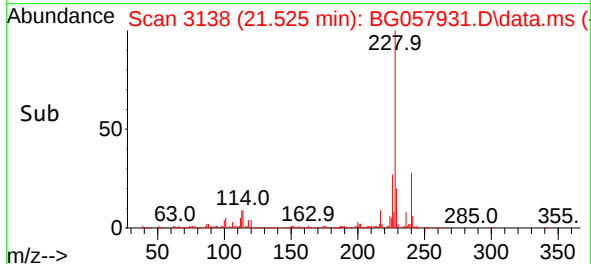
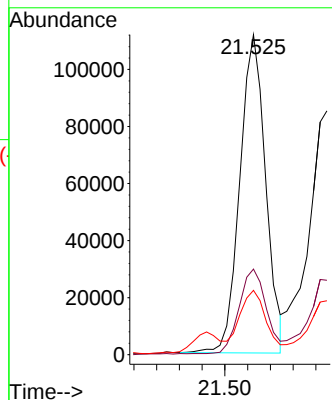
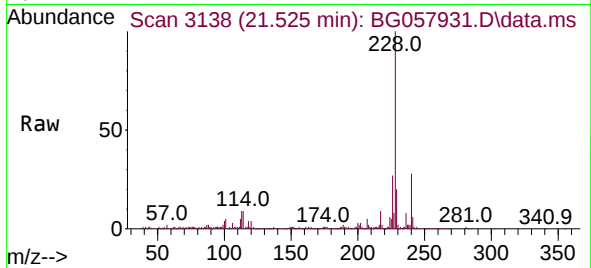




#81
Benzo(a)anthracene
Concen: 9.678 ng
RT: 21.525 min Scan# 3149
Delta R.T. -0.014 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

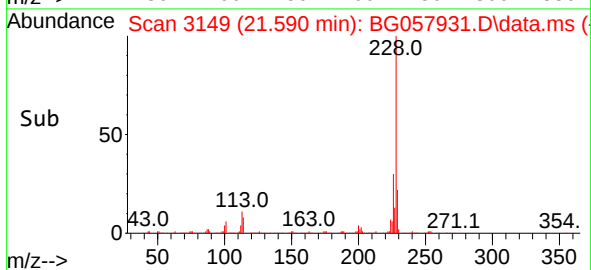
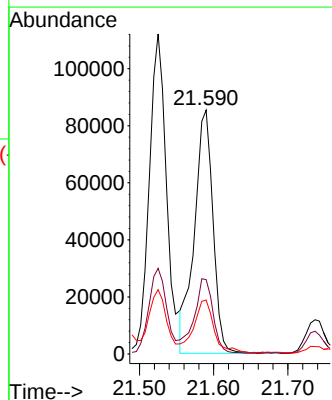
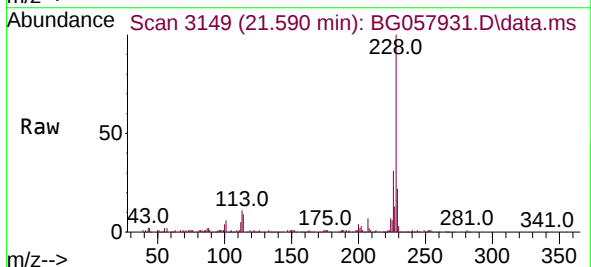
Instrument :
BNA_G
ClientSampleId :
CE-91-062023

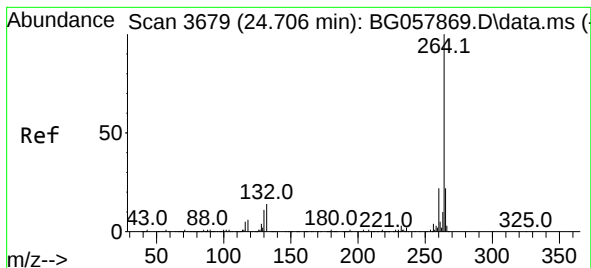
Tgt Ion:228 Resp: 175992
Ion Ratio Lower Upper
228 100
226 26.8 22.7 34.1
229 20.1 16.5 24.7



#83
Chrysene
Concen: 8.700 ng
RT: 21.590 min Scan# 3149
Delta R.T. -0.014 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

Tgt Ion:228 Resp: 149755
Ion Ratio Lower Upper
228 100
226 30.5 25.3 37.9
229 22.1 16.5 24.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.686 min Scan# 3

Delta R.T. -0.020 min

Lab File: BG057931.D

Acq: 30 Jun 2023 23:19

Instrument :

BNA_G

ClientSampleId :

CE-91-062023

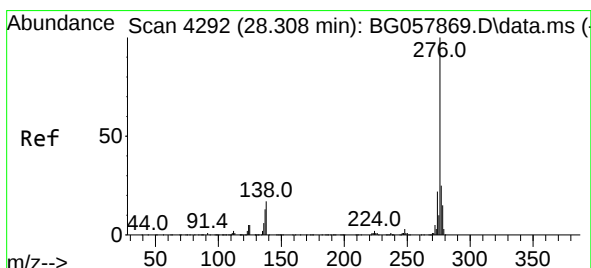
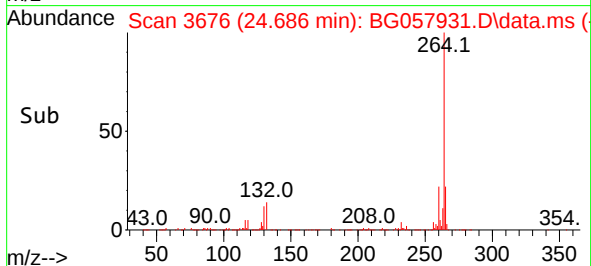
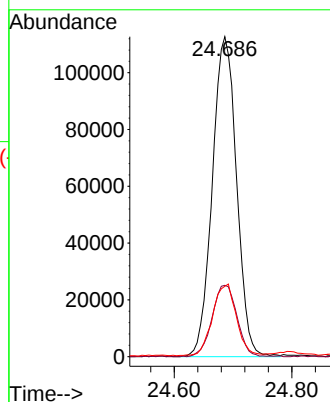
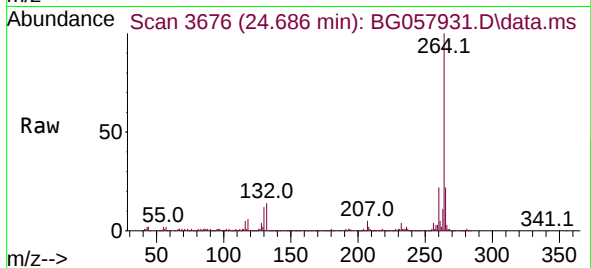
Tgt Ion:264 Resp: 322167

Ion Ratio Lower Upper

264 100

260 22.3 17.8 26.8

265 22.0 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.044 ng

RT: 28.247 min Scan# 4282

Delta R.T. -0.061 min

Lab File: BG057931.D

Acq: 30 Jun 2023 23:19

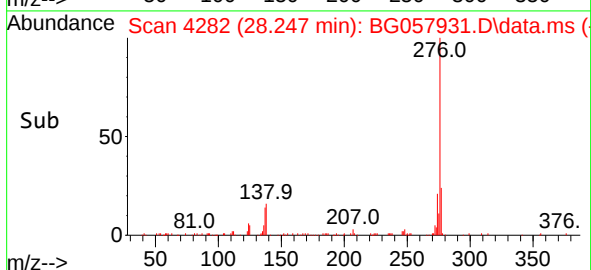
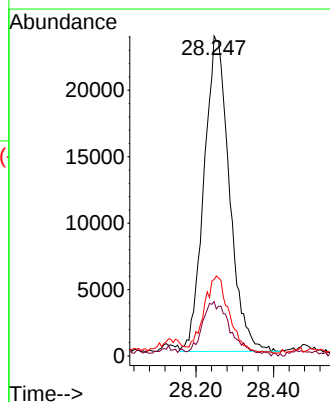
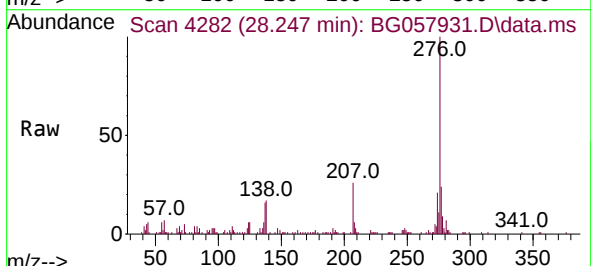
Tgt Ion:276 Resp: 107657

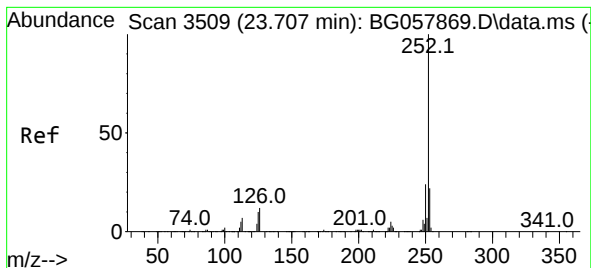
Ion Ratio Lower Upper

276 100

138 17.7 12.2 18.4

277 23.4 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 12.171 ng

RT: 23.687 min Scan# 3506

Delta R.T. -0.020 min

Lab File: BG057931.D

Acq: 30 Jun 2023 23:19

Instrument :

BNA_G

ClientSampleId :

CE-91-062023

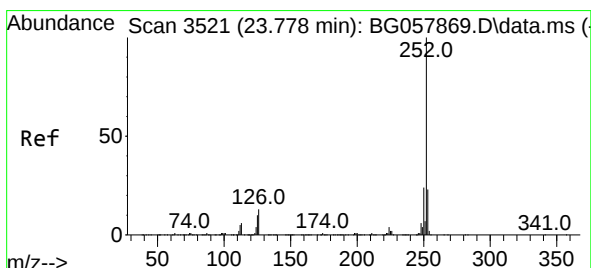
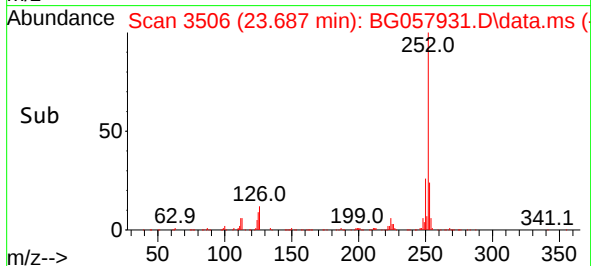
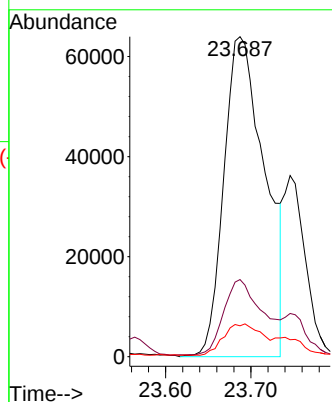
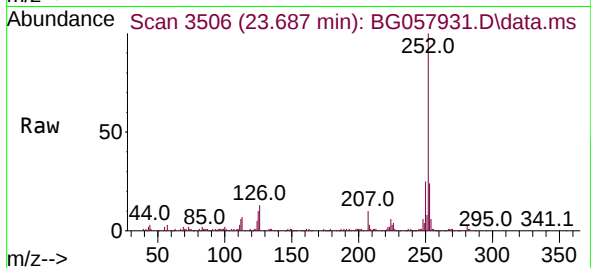
Tgt Ion:252 Resp: 213869

Ion Ratio Lower Upper

252 100

253 24.1 17.7 26.5

125 9.7 7.7 11.5



#89

Benzo(k)fluoranthene

Concen: 12.043 ng

RT: 23.687 min Scan# 3506

Delta R.T. -0.090 min

Lab File: BG057931.D

Acq: 30 Jun 2023 23:19

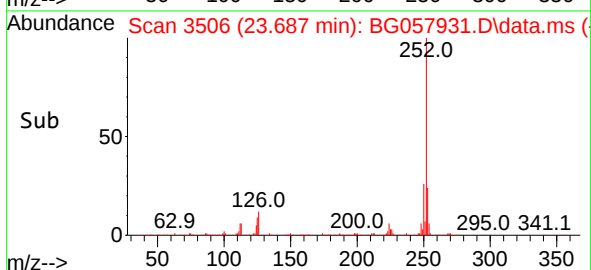
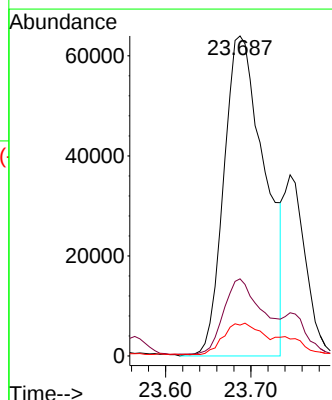
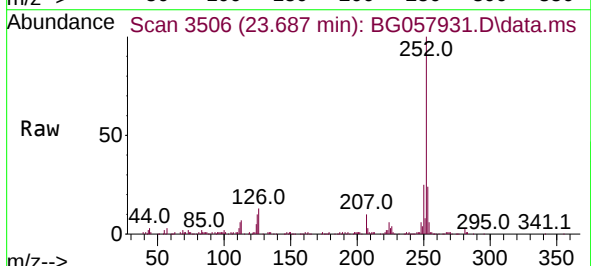
Tgt Ion:252 Resp: 213869

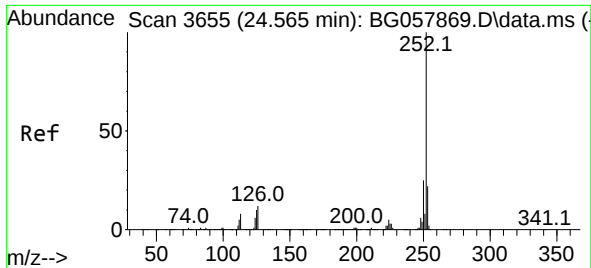
Ion Ratio Lower Upper

252 100

253 24.1 18.1 27.1

125 9.7 7.8 11.6

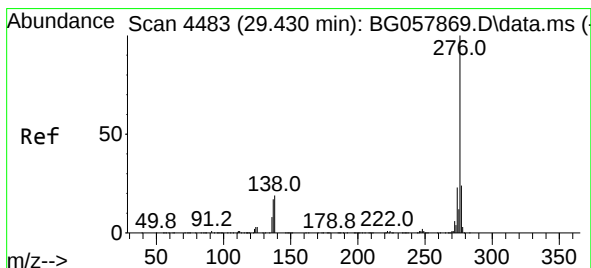
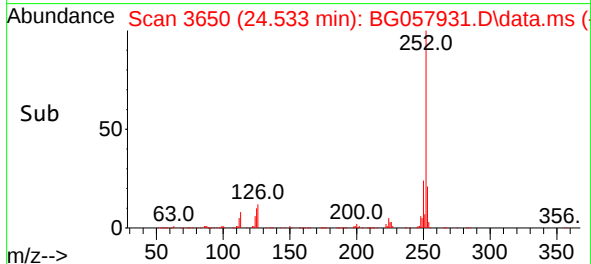
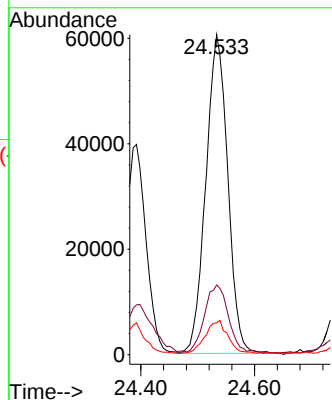
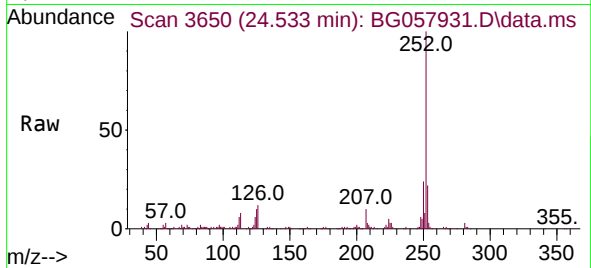




#90
Benzo(a)pyrene
Concen: 9.272 ng
RT: 24.533 min Scan# 30
Delta R.T. -0.032 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

Instrument :
BNA_G
ClientSampleId :
CE-91-062023

Tgt Ion:252 Resp: 161398
Ion Ratio Lower Upper
252 100
253 21.8 17.7 26.5
125 10.0 8.0 12.0



#92
Benzo(g,h,i)perylene
Concen: 6.048 ng
RT: 29.369 min Scan# 4473
Delta R.T. -0.061 min
Lab File: BG057931.D
Acq: 30 Jun 2023 23:19

Tgt Ion:276 Resp: 106405
Ion Ratio Lower Upper
276 100
277 22.4 19.4 29.2
138 19.0 15.0 22.6

