

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063023\
 Data File : BG057933.D
 Acq On : 1 Jul 2023 00:45
 Operator : CG/JU
 Sample : 03358-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DUP-01

Quant Time: Jul 01 02:22:15 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)

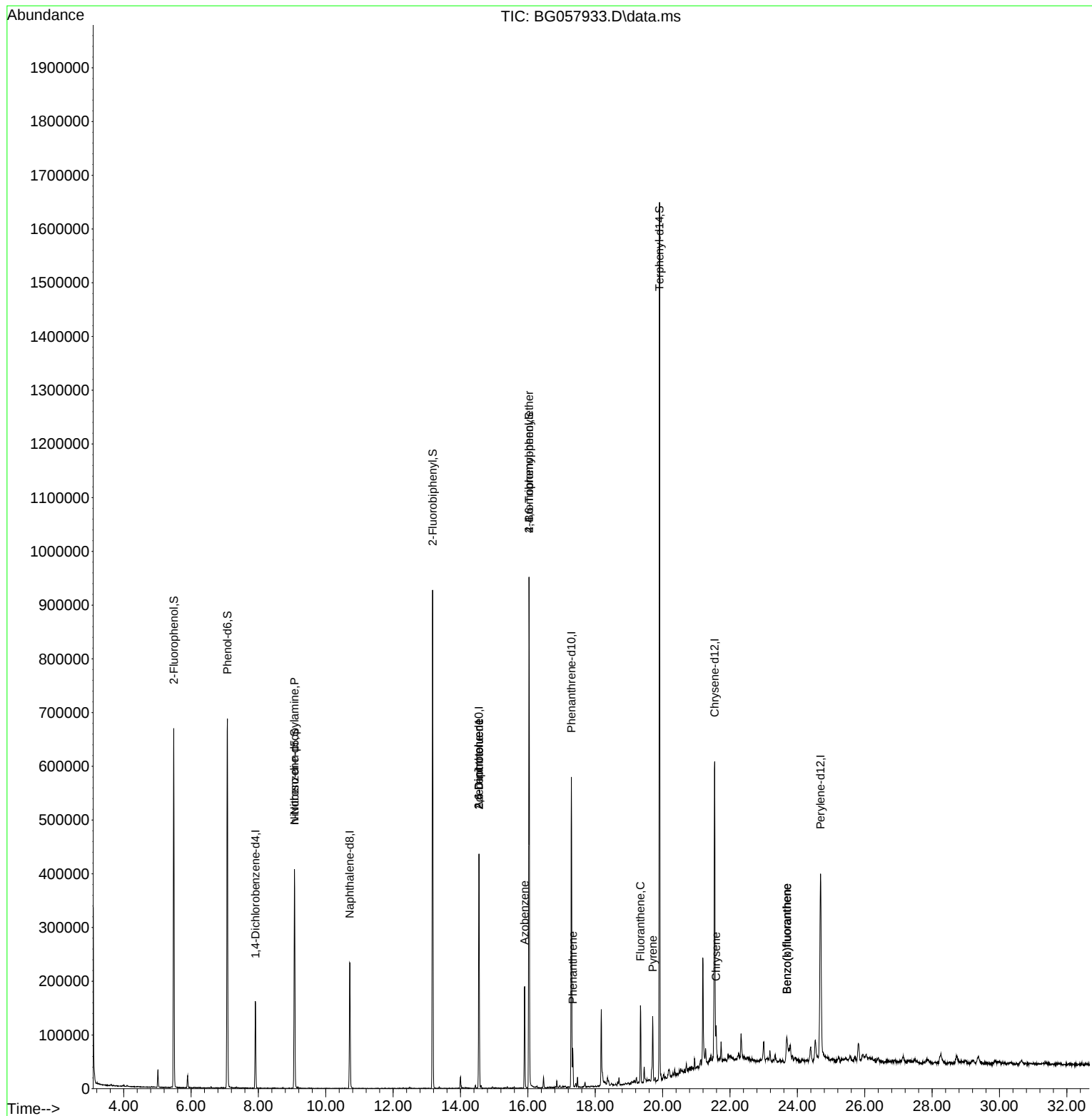
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.913	152	45131	20.000	ng	-0.01
21) Naphthalene-d8	10.710	136	203012	20.000	ng	-0.02
39) Acenaphthene-d10	14.547	164	154653	20.000	ng	-0.01
64) Phenanthrene-d10	17.291	188	360206	20.000	ng	-0.01
76) Chrysene-d12	21.544	240	297901	20.000	ng	-0.01
86) Perylene-d12	24.688	264	369741	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	285975	96.949	ng	0.00
7) Phenol-d6	7.079	99	422199	95.717	ng	0.00
23) Nitrobenzene-d5	9.071	82	247373	59.717	ng	-0.02
42) 2,4,6-Tribromophenol	16.033	330	202447	77.938	ng	-0.01
45) 2-Fluorobiphenyl	13.172	172	511195	50.442	ng	-0.01
79) Terphenyl-d14	19.905	244	822352	50.326	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	7.038	77	128	Below Cal	#	48
19) n-Nitroso-di-n-propyla...	9.071	70	30108	10.201	ng	# 75
51) 2,6-Dinitrotoluene	14.547	165	19913	7.824	ng	# 24
57) 2,4-Dinitrotoluene	14.547	165	19913	5.392	ng	# 21
63) Azobenzene	15.898	77	56257	4.553	ng	# 1
67) 4-Bromophenyl-phenylether	16.033	248	12887	3.389	ng	# 1
71) Phenanthrene	17.332	178	43440	2.512	ng	97
75) Fluoranthene	19.341	202	85158	3.909	ng	99
78) Pyrene	19.705	202	75578	3.553	ng	99
83) Chrysene	21.586	228	39248	2.011	ng	99
88) Benzo(b)fluoranthene	23.689	252	56384	2.796	ng	95
89) Benzo(k)fluoranthene	23.689	252	56384	2.766	ng	95

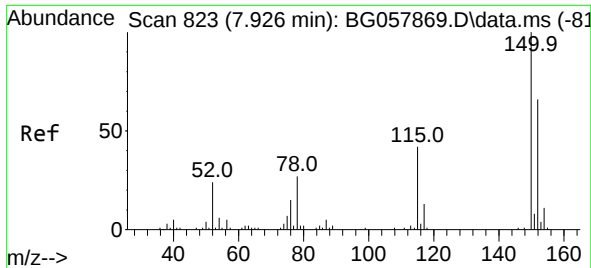
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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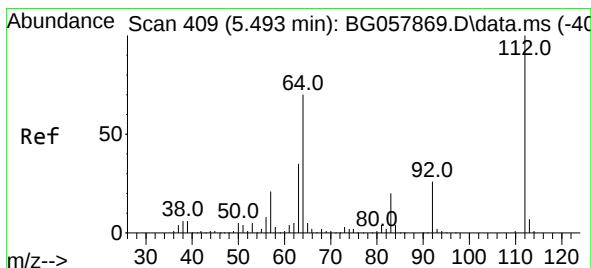
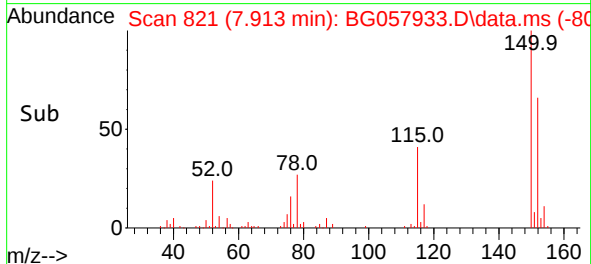
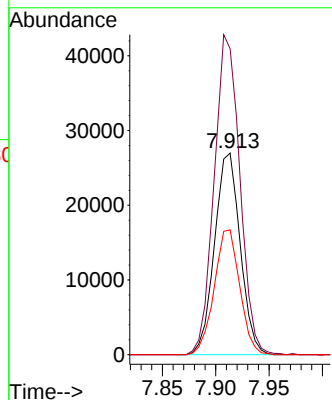
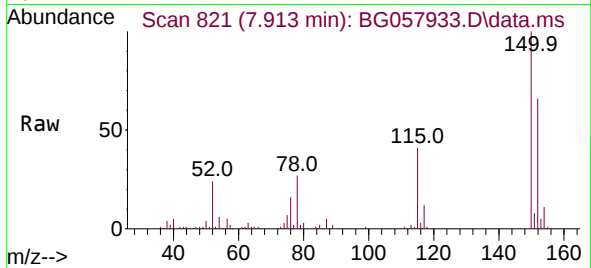




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.913 min Scan# 81
Delta R.T. -0.013 min
Lab File: BG057933.D
Acq: 1 Jul 2023 00:45

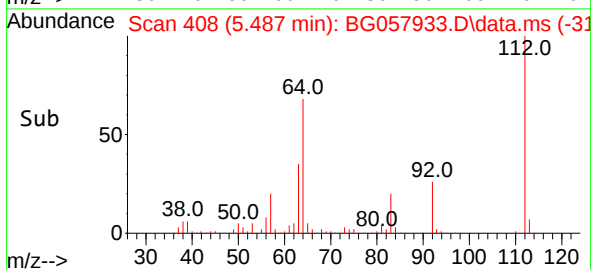
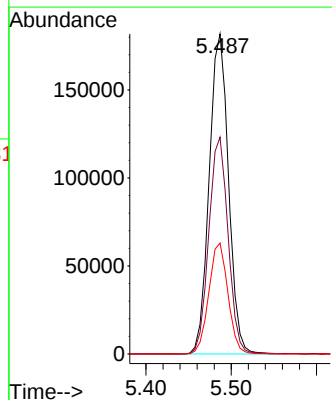
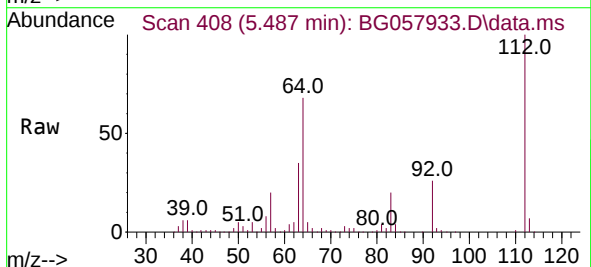
Instrument :
BNA_G
ClientSampleId :
DUP-01

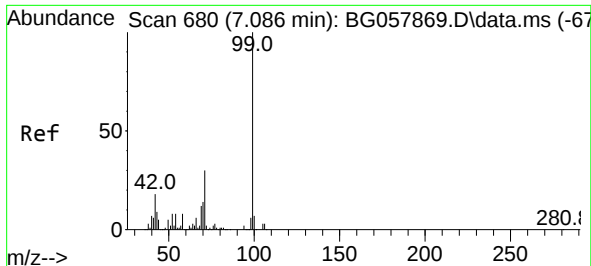
Tgt Ion:152 Resp: 45131
Ion Ratio Lower Upper
152 100
150 151.7 122.0 183.0
115 61.9 50.7 76.1



#5
2-Fluorophenol
Concen: 96.949 ng
RT: 5.487 min Scan# 408
Delta R.T. -0.006 min
Lab File: BG057933.D
Acq: 1 Jul 2023 00:45

Tgt Ion:112 Resp: 285975
Ion Ratio Lower Upper
112 100
64 67.8 55.8 83.6
63 34.6 27.9 41.9

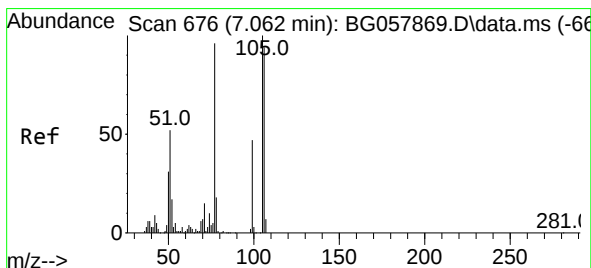
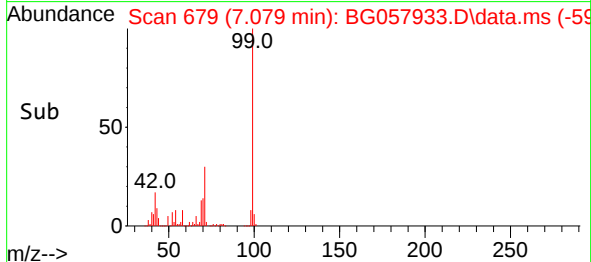
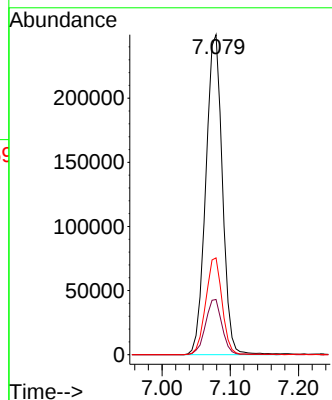
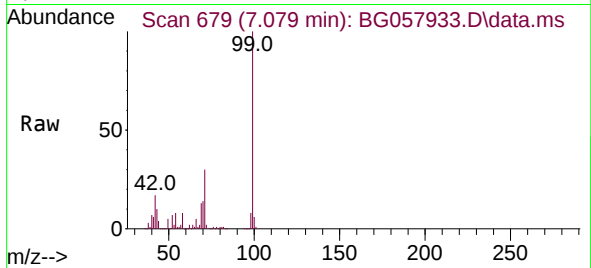




#7
Phenol-d6
Concen: 95.717 ng
RT: 7.079 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG057933.D
Acq: 1 Jul 2023 00:45

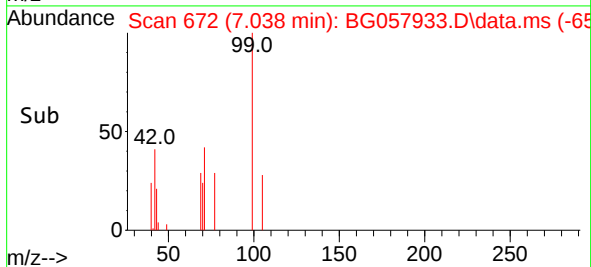
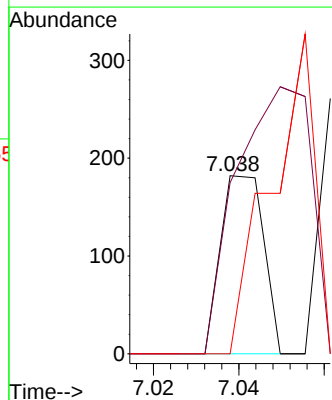
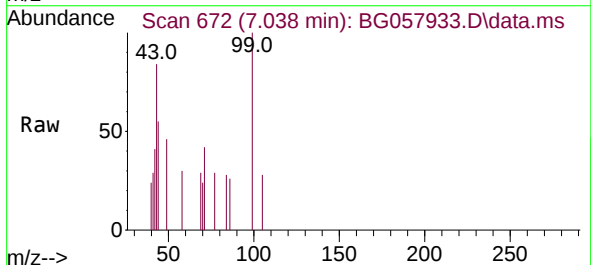
Instrument :
BNA_G
ClientSampleId :
DUP-01

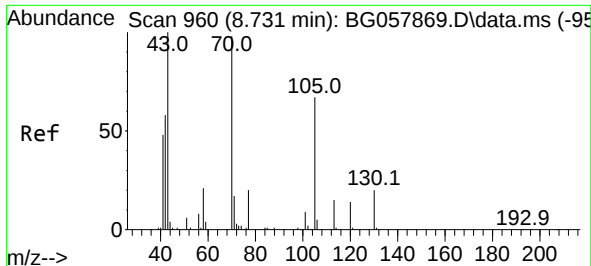
Tgt Ion: 99 Resp: 422199
Ion Ratio Lower Upper
99 100
42 17.3 14.2 21.4
71 30.2 23.9 35.9



#9
Benzaldehyde
Concen: Below Cal
RT: 7.038 min Scan# 672
Delta R.T. -0.024 min
Lab File: BG057933.D
Acq: 1 Jul 2023 00:45

Tgt Ion: 77 Resp: 128
Ion Ratio Lower Upper
77 100
105 96.2 83.7 123.7
106 0.0 77.4 117.4#

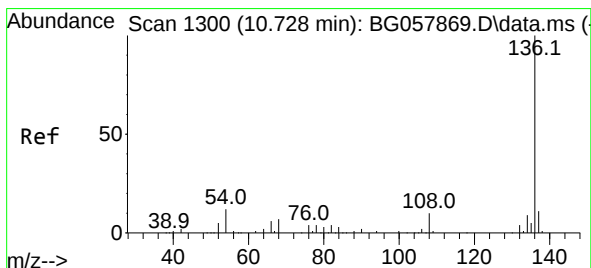
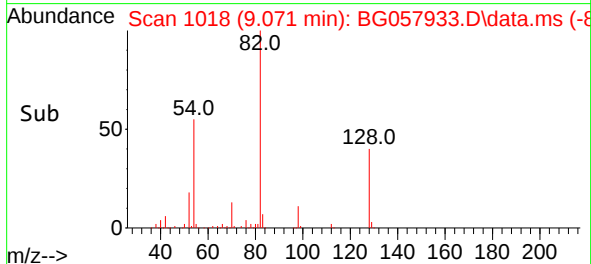
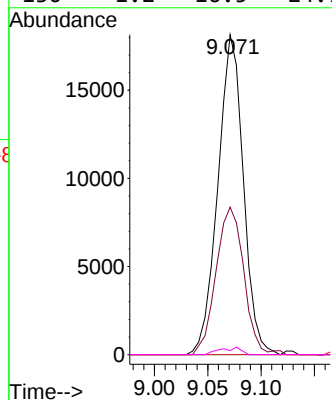
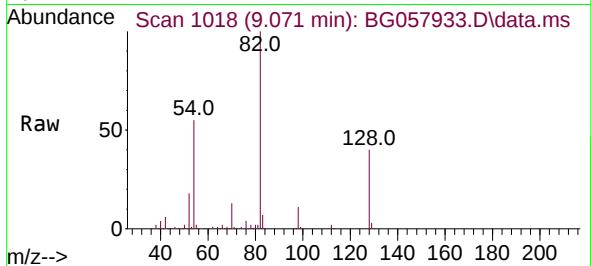




#19
n-Nitroso-di-n-propylamine
Concen: 10.201 ng
RT: 9.071 min Scan# 1018
Delta R.T. 0.340 min
Lab File: BG057933.D
Acq: 1 Jul 2023 00:45

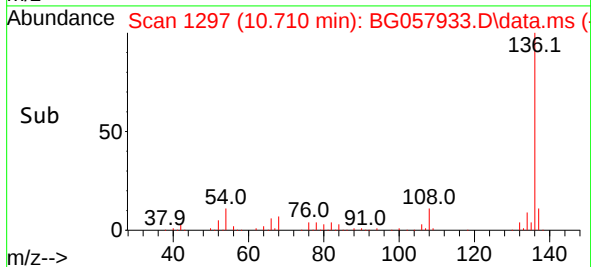
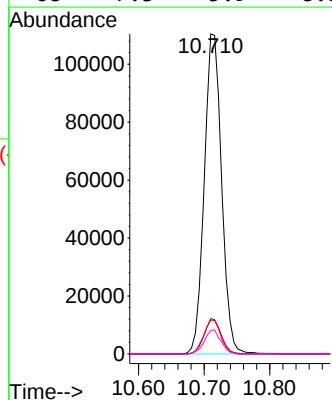
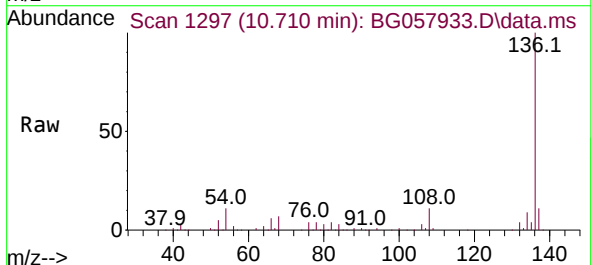
Instrument :
BNA_G
ClientSampleId :
DUP-01

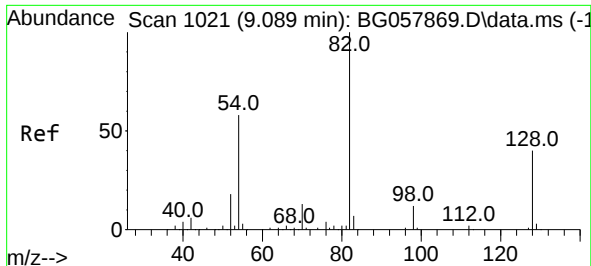
Tgt Ion: 70 Resp: 30108
Ion Ratio Lower Upper
70 100
42 46.1 48.4 72.6#
101 0.0 7.2 10.8#
130 1.2 16.5 24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1297
Delta R.T. -0.018 min
Lab File: BG057933.D
Acq: 1 Jul 2023 00:45

Tgt Ion: 136 Resp: 203012
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 10.6 9.3 13.9
68 7.3 5.9 8.9

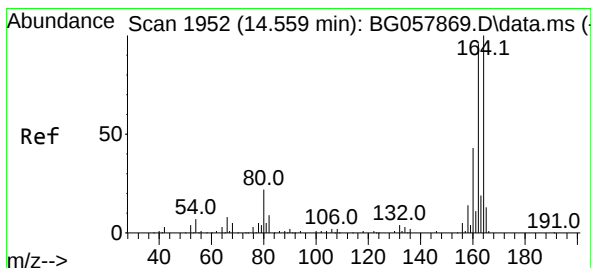
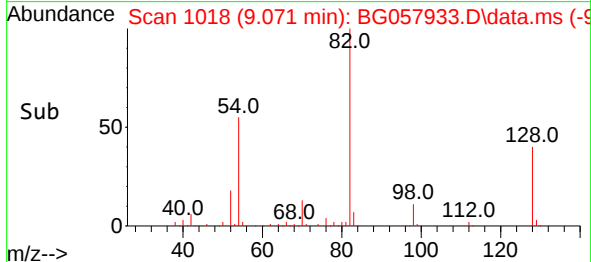
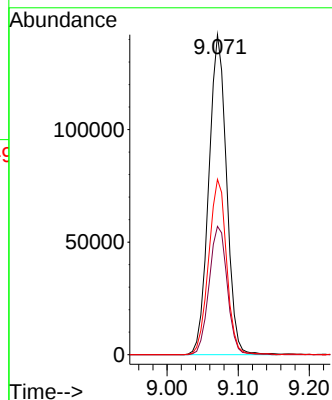
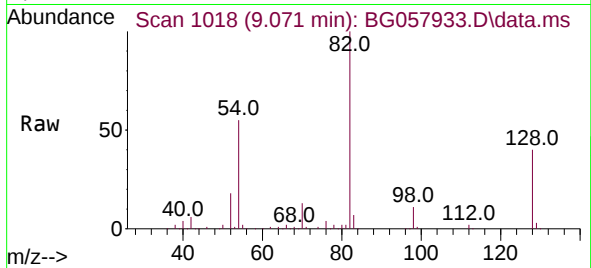




#23
Nitrobenzene-d5
Concen: 59.717 ng
RT: 9.071 min Scan# 1018
Delta R.T. -0.018 min
Lab File: BG057933.D
Acq: 1 Jul 2023 00:45

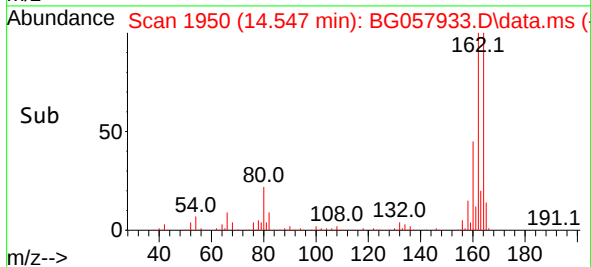
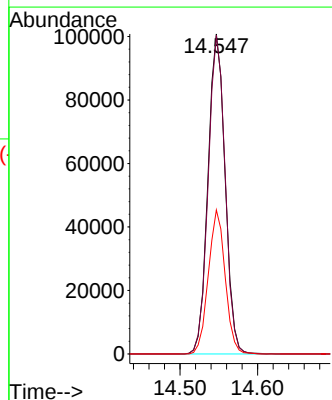
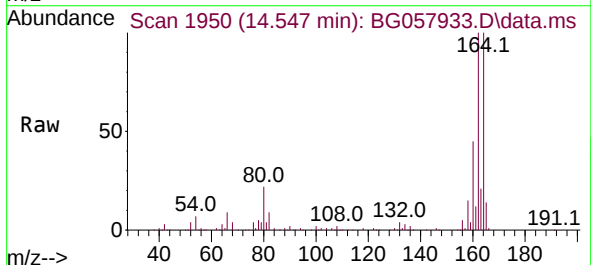
Instrument :
BNA_G
ClientSampleId :
DUP-01

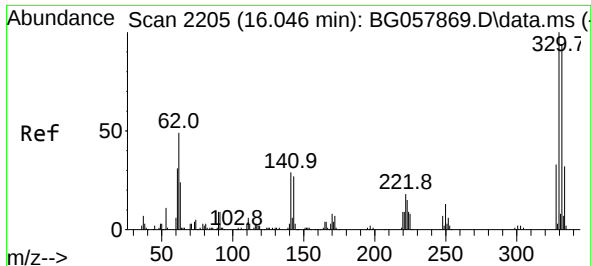
Tgt Ion: 82 Resp: 247373
Ion Ratio Lower Upper
82 100
128 40.1 32.2 48.4
54 54.8 46.1 69.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.547 min Scan# 1950
Delta R.T. -0.012 min
Lab File: BG057933.D
Acq: 1 Jul 2023 00:45

Tgt Ion:164 Resp: 154653
Ion Ratio Lower Upper
164 100
162 99.5 76.4 114.6
160 45.0 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 77.938 ng

RT: 16.033 min Scan# 21

Delta R.T. -0.012 min

Lab File: BG057933.D

Acq: 1 Jul 2023 00:45

Instrument :

BNA_G

ClientSampleId :

DUP-01

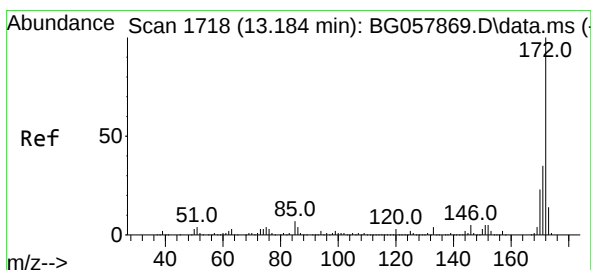
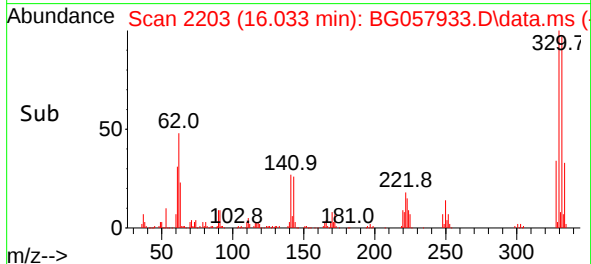
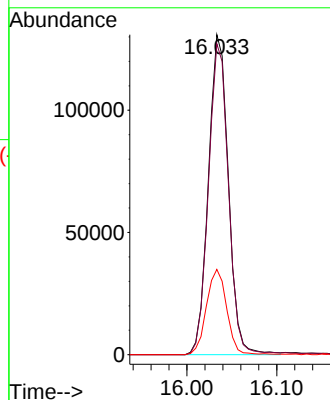
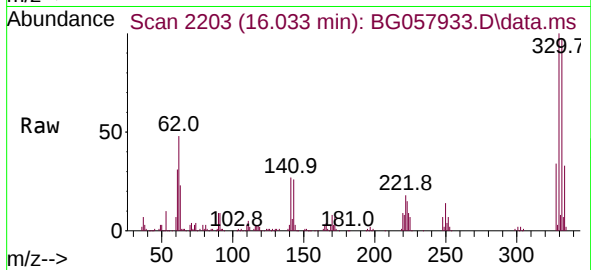
Tgt Ion:330 Resp: 202447

Ion Ratio Lower Upper

330 100

332 97.6 77.1 115.7

141 27.1 22.2 33.4



#45

2-Fluorobiphenyl

Concen: 50.442 ng

RT: 13.172 min Scan# 1716

Delta R.T. -0.012 min

Lab File: BG057933.D

Acq: 1 Jul 2023 00:45

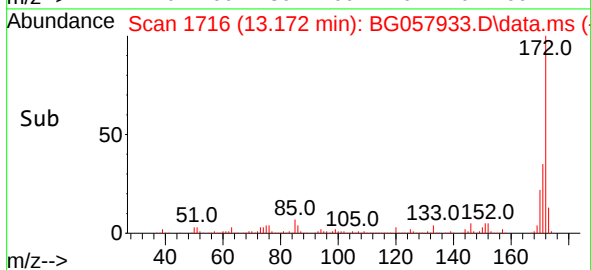
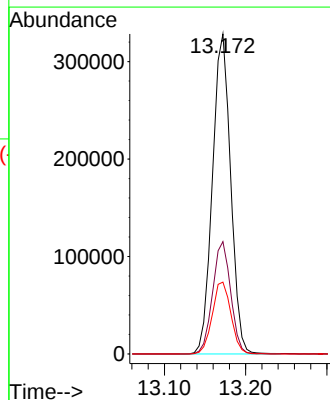
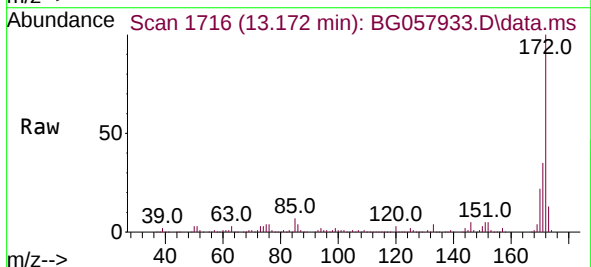
Tgt Ion:172 Resp: 511195

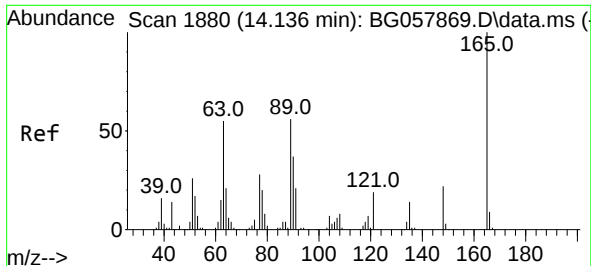
Ion Ratio Lower Upper

172 100

171 35.1 27.8 41.8

170 22.4 18.6 27.8

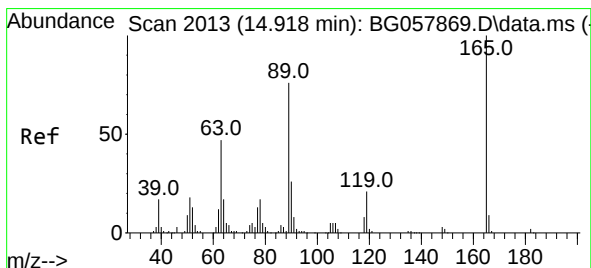
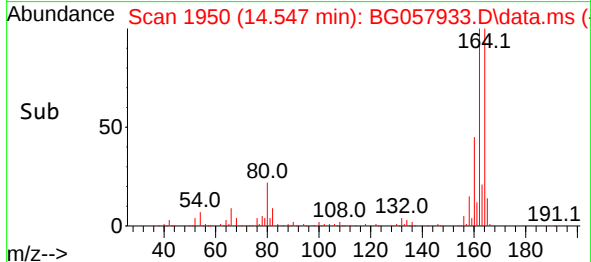
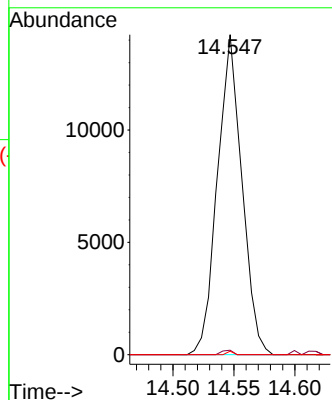
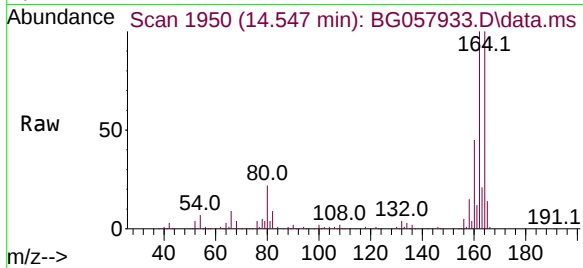




#51
2,6-Dinitrotoluene
Concen: 7.824 ng
RT: 14.547 min Scan# 1950
Delta R.T. 0.411 min
Lab File: BG057933.D
Acq: 1 Jul 2023 00:45

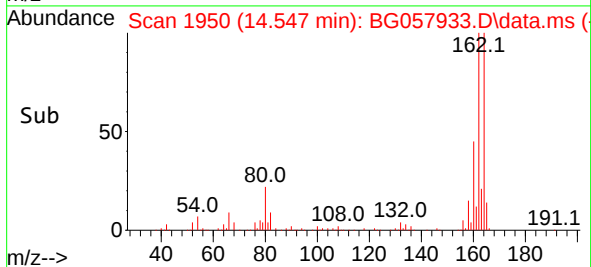
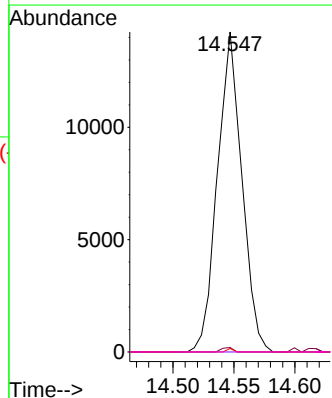
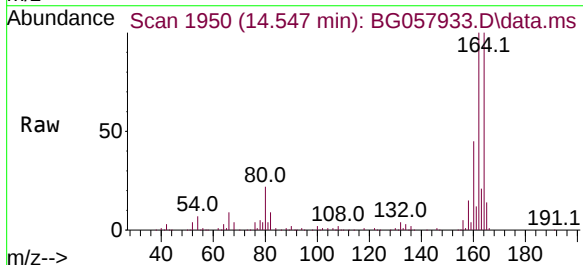
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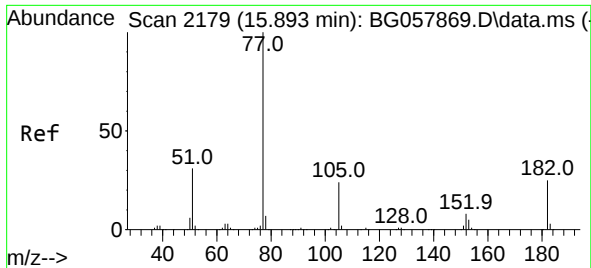
Tgt Ion:165 Resp: 19913
Ion Ratio Lower Upper
165 100
63 1.4 46.4 69.6#
89 1.1 45.0 67.6#



#57
2,4-Dinitrotoluene
Concen: 5.392 ng
RT: 14.547 min Scan# 1950
Delta R.T. -0.371 min
Lab File: BG057933.D
Acq: 1 Jul 2023 00:45

Tgt Ion:165 Resp: 19913
Ion Ratio Lower Upper
165 100
63 1.4 37.6 56.4#
89 1.1 61.0 91.4#
182 0.0 1.9 2.9#

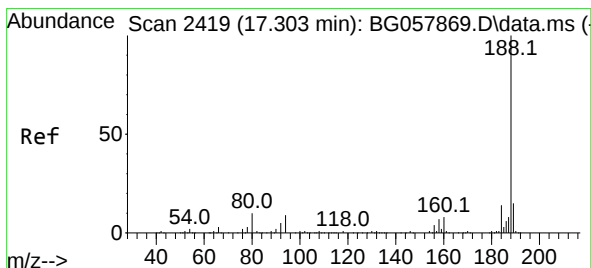
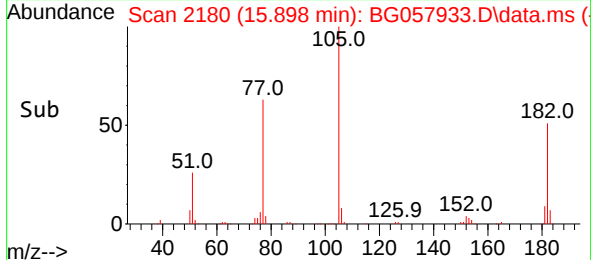
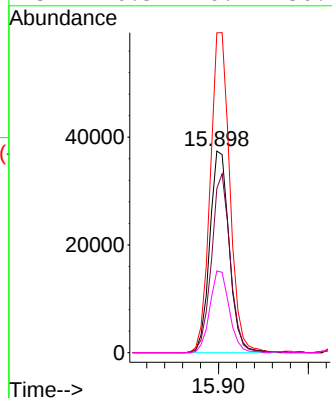
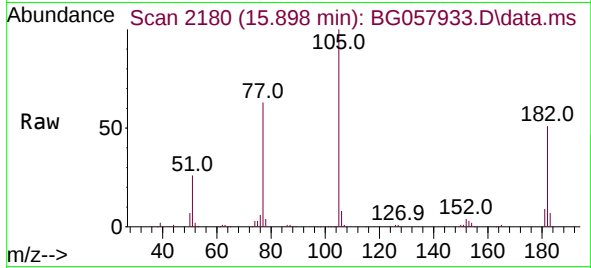




#63
Azobenzene
Concen: 4.553 ng
RT: 15.898 min Scan# 2179
Delta R.T. 0.005 min
Lab File: BG057933.D
Acq: 1 Jul 2023 00:45

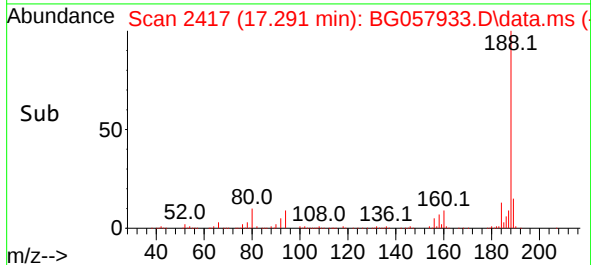
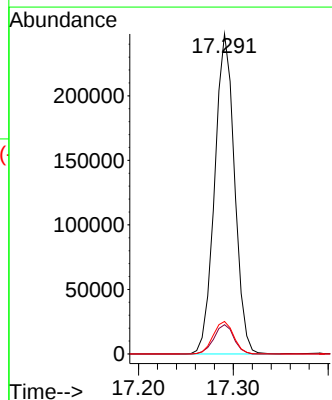
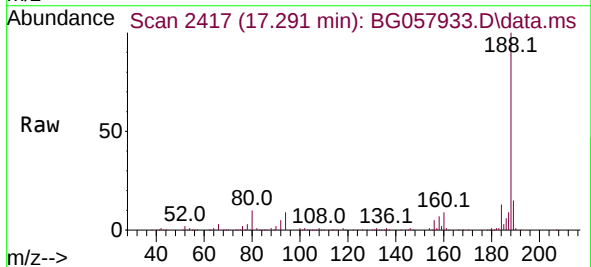
Instrument :
BNA_G
ClientSampleId :
DUP-01

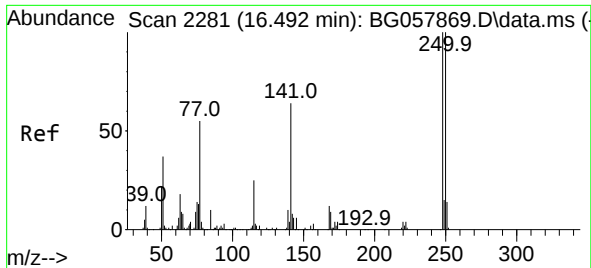
Tgt Ion: 77 Resp: 56257
Ion Ratio Lower Upper
77 100
182 81.4 5.1 45.1#
105 158.6 3.9 43.9#
51 40.5 10.7 50.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.291 min Scan# 2417
Delta R.T. -0.012 min
Lab File: BG057933.D
Acq: 1 Jul 2023 00:45

Tgt Ion:188 Resp: 360206
Ion Ratio Lower Upper
188 100
94 9.1 7.2 10.8
80 10.2 8.4 12.6

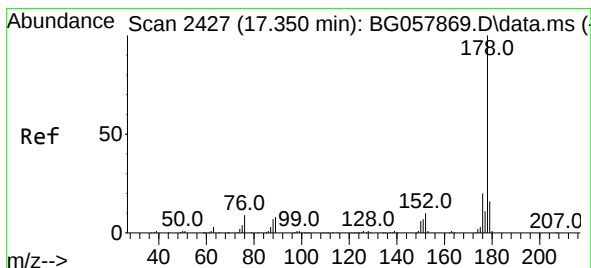
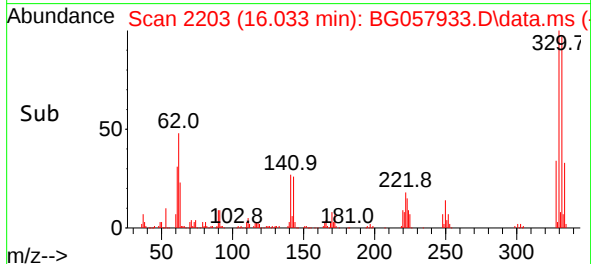
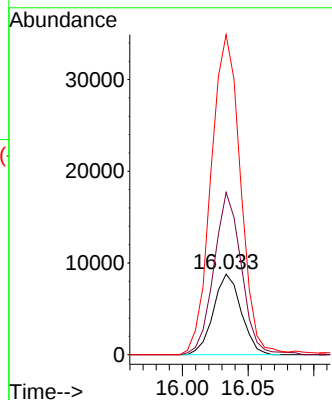
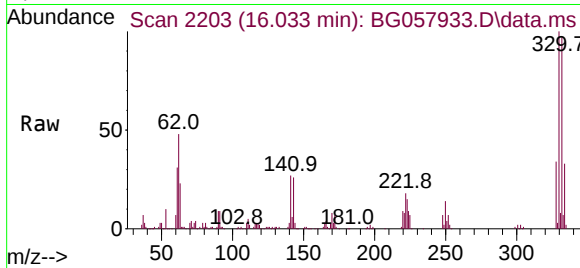




#67
4-Bromophenyl-phenylether
Concen: 3.389 ng
RT: 16.033 min Scan# 21
Delta R.T. -0.459 min
Lab File: BG057933.D
Acq: 1 Jul 2023 00:45

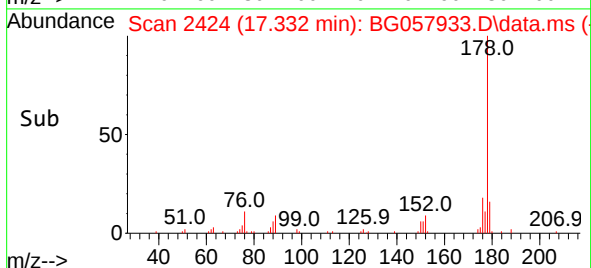
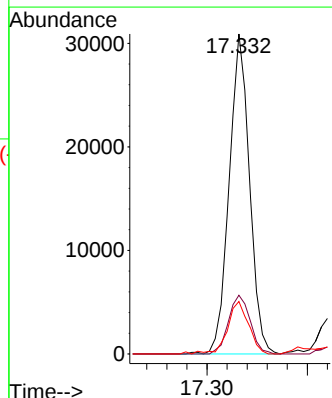
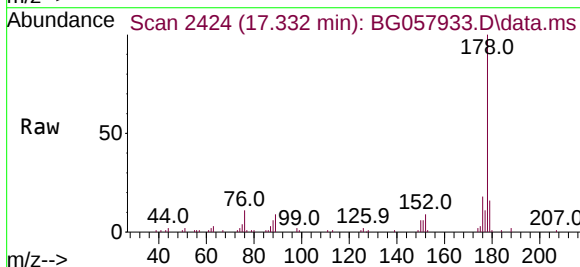
Instrument :
BNA_G
ClientSampleId :
DUP-01

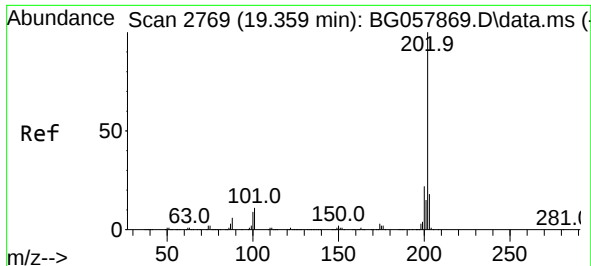
Tgt Ion:248 Resp: 12887
Ion Ratio Lower Upper
248 100
250 201.7 79.7 119.5#
141 397.8 50.8 76.2#



#71
Phenanthrene
Concen: 2.512 ng
RT: 17.332 min Scan# 2424
Delta R.T. -0.018 min
Lab File: BG057933.D
Acq: 1 Jul 2023 00:45

Tgt Ion:178 Resp: 43440
Ion Ratio Lower Upper
178 100
176 18.3 16.3 24.5
179 16.4 13.2 19.8

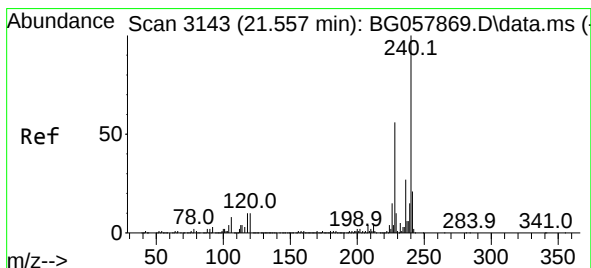
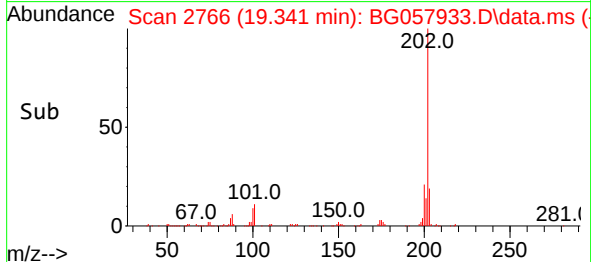
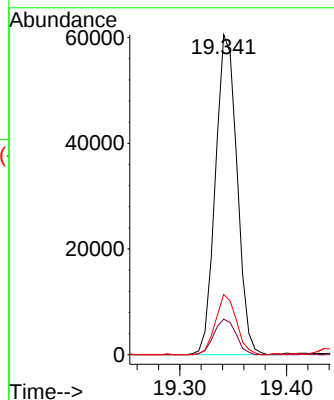
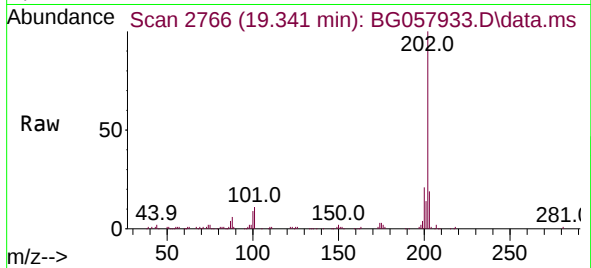




#75
Fluoranthene
Concen: 3.909 ng
RT: 19.341 min Scan# 21
Delta R.T. -0.018 min
Lab File: BG057933.D
Acq: 1 Jul 2023 00:45

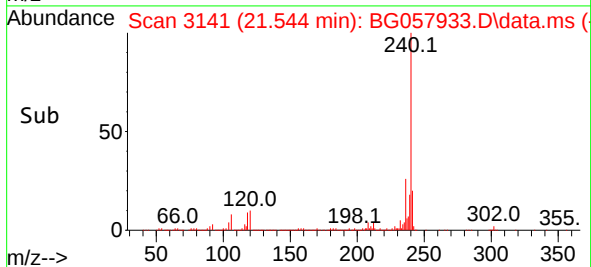
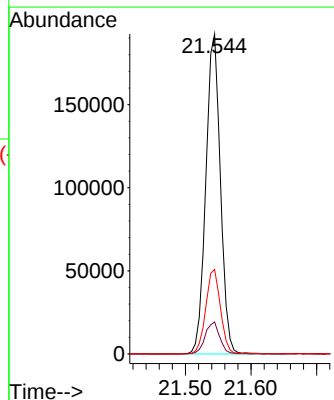
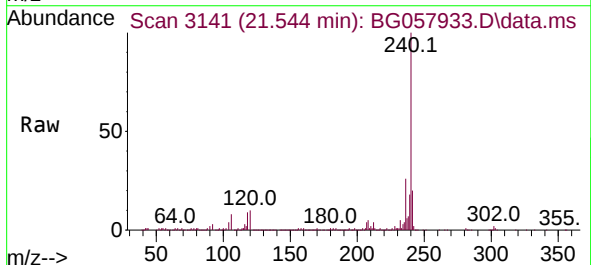
Instrument :
BNA_G
ClientSampleId :
DUP-01

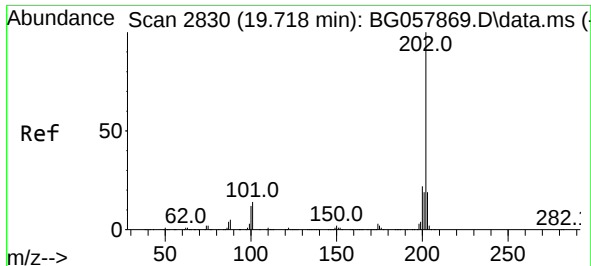
Tgt Ion:202 Resp: 85158
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.3
203 18.8 0.0 38.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.544 min Scan# 3141
Delta R.T. -0.012 min
Lab File: BG057933.D
Acq: 1 Jul 2023 00:45

Tgt Ion:240 Resp: 297901
Ion Ratio Lower Upper
240 100
120 10.0 8.1 12.1
236 26.4 21.9 32.9

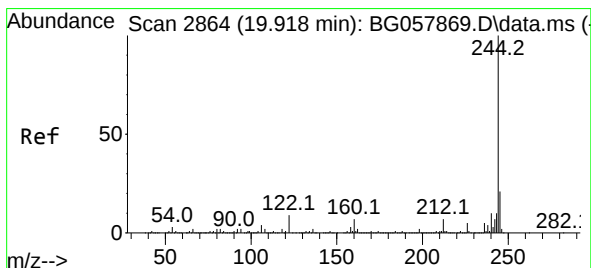
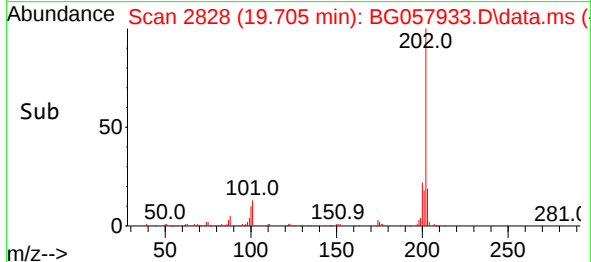
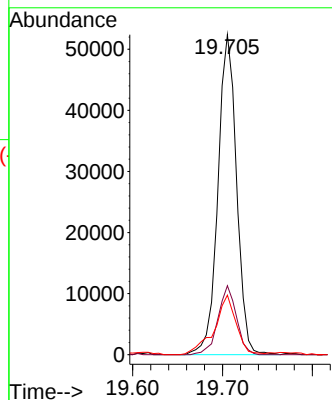
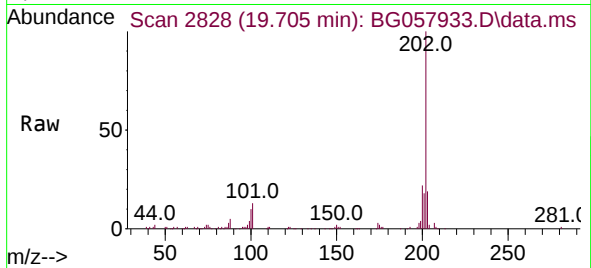




#78
 Pyrene
 Concen: 3.553 ng
 RT: 19.705 min Scan# 2828
 Delta R.T. -0.012 min
 Lab File: BG057933.D
 Acq: 1 Jul 2023 00:45

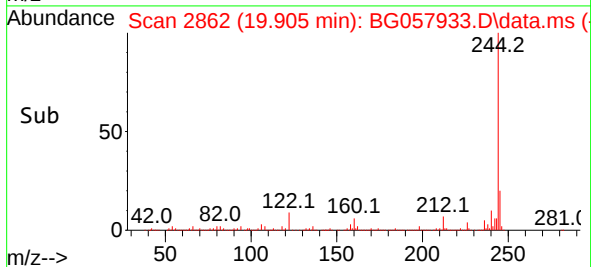
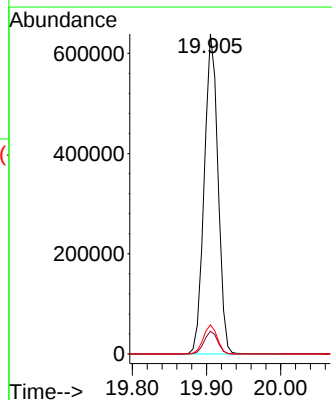
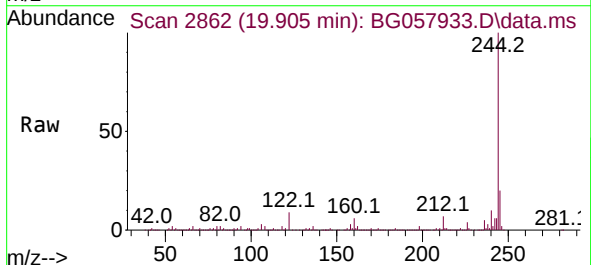
Instrument :
 BNA_G
 ClientSampleId :
 DUP-01

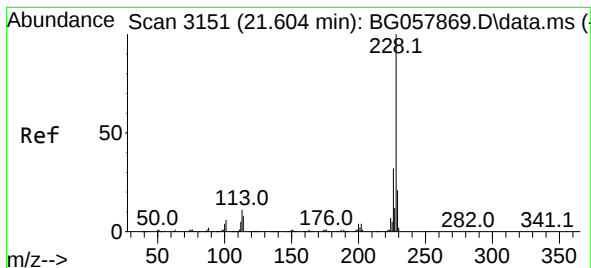
Tgt Ion:202 Resp: 75578
 Ion Ratio Lower Upper
 202 100
 200 21.6 17.7 26.5
 203 18.6 15.2 22.8



#79
 Terphenyl-d14
 Concen: 50.326 ng
 RT: 19.905 min Scan# 2862
 Delta R.T. -0.012 min
 Lab File: BG057933.D
 Acq: 1 Jul 2023 00:45

Tgt Ion:244 Resp: 822352
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 9.1 7.4 11.0





#83

Chrysene

Concen: 2.011 ng

RT: 21.586 min Scan# 31

Delta R.T. -0.018 min

Lab File: BG057933.D

Acq: 1 Jul 2023 00:45

Instrument :

BNA_G

ClientSampleId :

DUP-01

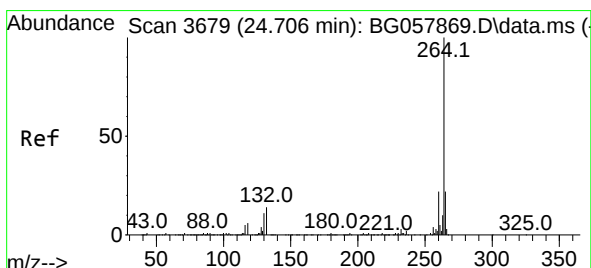
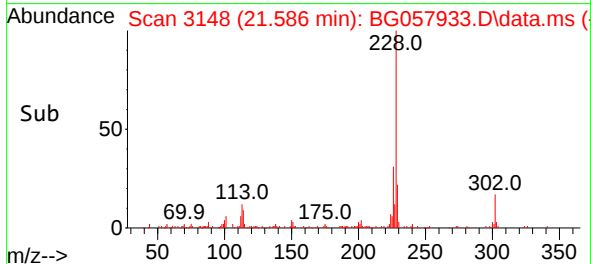
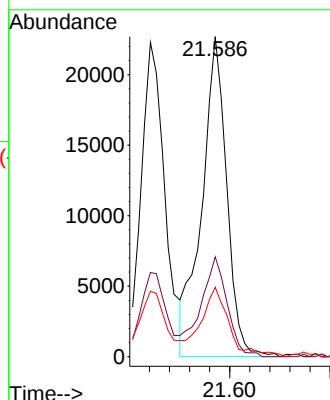
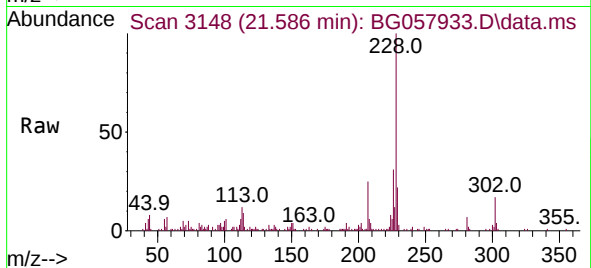
Tgt Ion:228 Resp: 39248

Ion Ratio Lower Upper

228 100

226 31.2 25.3 37.9

229 21.7 16.5 24.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.688 min Scan# 3676

Delta R.T. -0.018 min

Lab File: BG057933.D

Acq: 1 Jul 2023 00:45

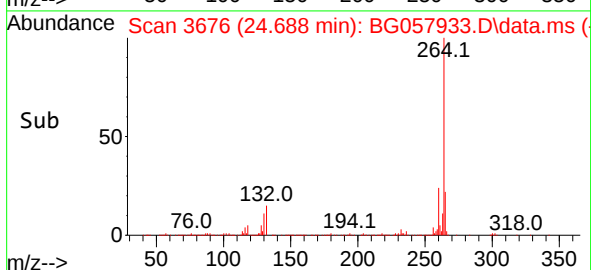
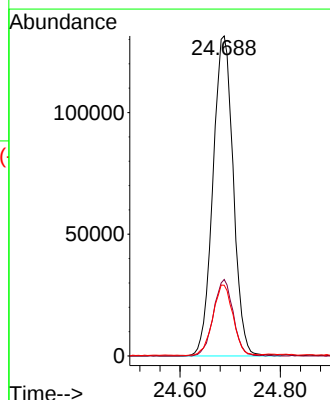
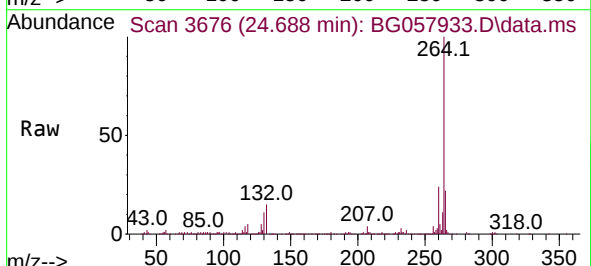
Tgt Ion:264 Resp: 369741

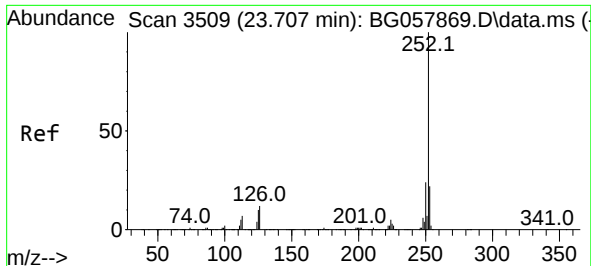
Ion Ratio Lower Upper

264 100

260 23.9 17.8 26.8

265 22.1 17.3 25.9

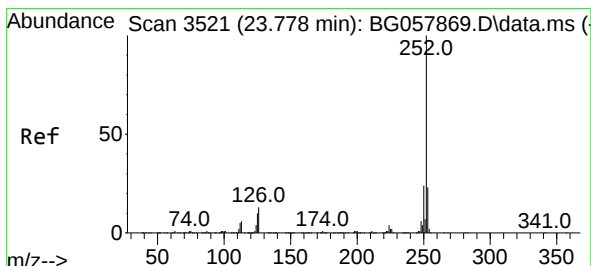
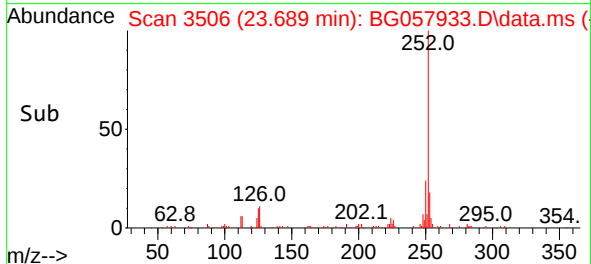
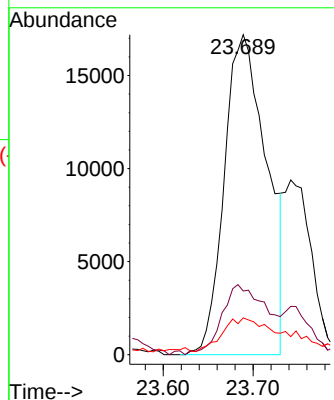
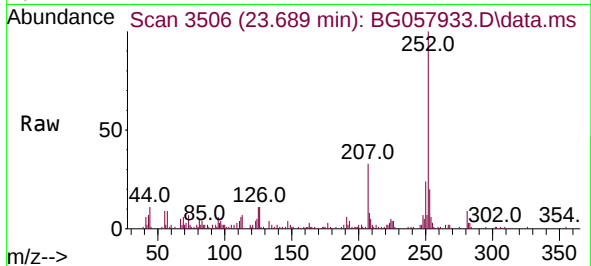




#88
Benzo(b)fluoranthene
Concen: 2.796 ng
RT: 23.689 min Scan# 3506
Delta R.T. -0.018 min
Lab File: BG057933.D
Acq: 1 Jul 2023 00:45

Instrument :
BNA_G
ClientSampleId :
DUP-01

Tgt Ion:252 Resp: 56384
Ion Ratio Lower Upper
252 100
253 19.9 17.7 26.5
125 11.5 7.7 11.5



#89
Benzo(k)fluoranthene
Concen: 2.766 ng
RT: 23.689 min Scan# 3506
Delta R.T. -0.089 min
Lab File: BG057933.D
Acq: 1 Jul 2023 00:45

Tgt Ion:252 Resp: 56384
Ion Ratio Lower Upper
252 100
253 19.9 18.1 27.1
125 11.5 7.8 11.6

