

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062823\
 Data File : BG057892.D
 Acq On : 28 Jun 2023 14:32
 Operator : CG/JU
 Sample : 03409-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OE-1-062323

Quant Time: Jun 28 15:41:52 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)

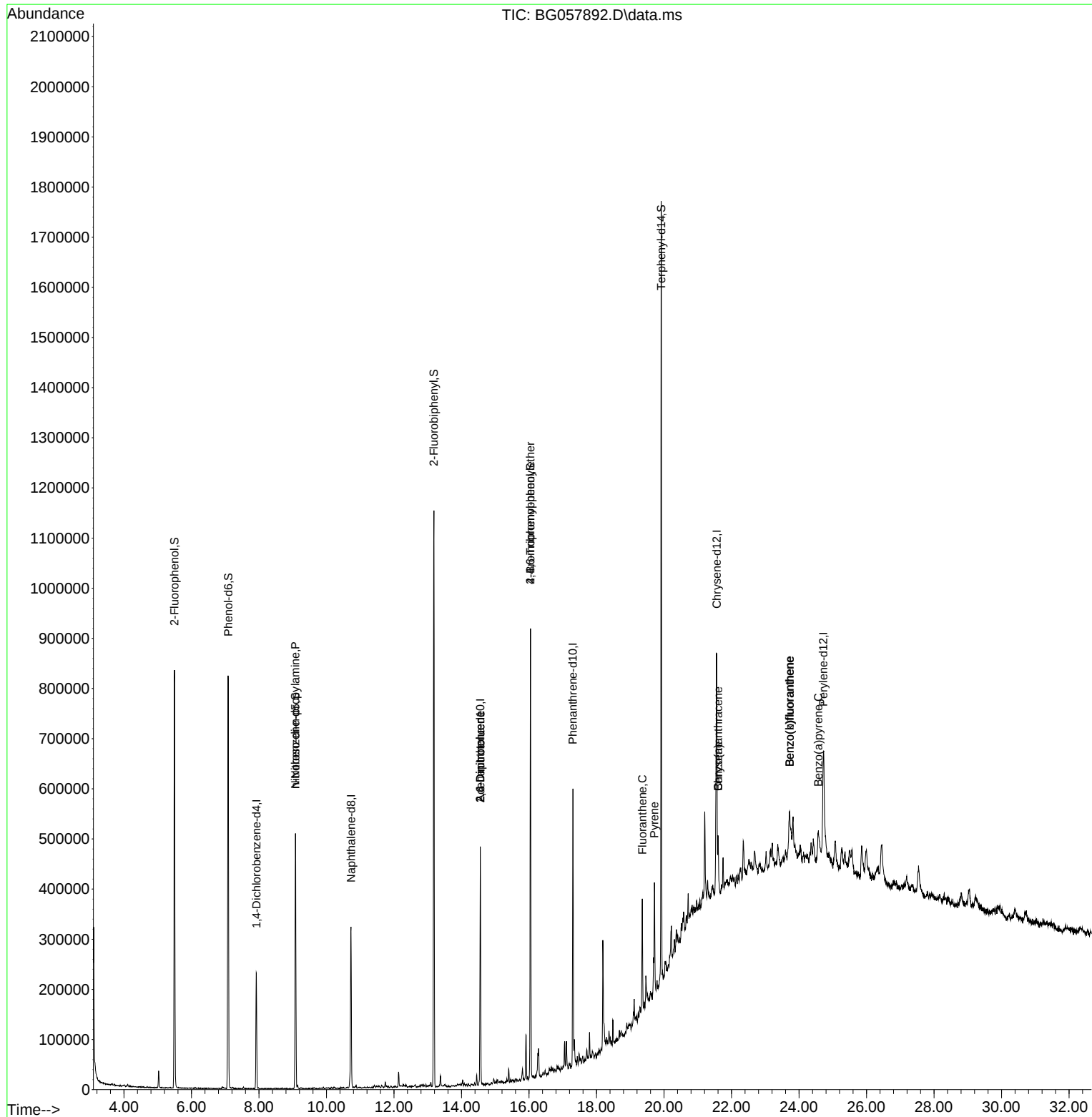
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.923	152	66699	20.000	ng	0.00
21) Naphthalene-d8	10.726	136	270864	20.000	ng	0.00
39) Acenaphthene-d10	14.557	164	163373	20.000	ng	0.00
64) Phenanthrene-d10	17.301	188	344609	20.000	ng	0.00
76) Chrysene-d12	21.560	240	288644	20.000	ng	0.00
86) Perylene-d12	24.721	264	317447	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.497	112	371655	85.253	ng	0.00
7) Phenol-d6	7.089	99	509965	78.229	ng	0.00
23) Nitrobenzene-d5	9.081	82	305507	55.276	ng	0.00
42) 2,4,6-Tribromophenol	16.043	330	189623	69.104	ng	0.00
45) 2-Fluorobiphenyl	13.182	172	625652	58.441	ng	0.00
79) Terphenyl-d14	19.921	244	840523	53.088	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.083	77	612	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	9.081	70	39536	9.064 ng	#	75
51) 2,6-Dinitrotoluene	14.557	165	21769	8.097 ng	#	25
57) 2,4-Dinitrotoluene	14.557	165	21769	5.580 ng	#	22
67) 4-Bromophenyl-phenylether	16.043	248	12050	3.313 ng	#	1
75) Fluoranthene	19.357	202	135236	6.489 ng		99
78) Pyrene	19.715	202	133436	6.474 ng		98
81) Benzo(a)anthracene	21.602	228	86471	4.329 ng		92
83) Chrysene	21.602	228	86471	4.573 ng		96
88) Benzo(b)fluoranthene	23.723	252	104055	6.010 ng	#	80
89) Benzo(k)fluoranthene	23.723	252	104055	5.946 ng	#	81
90) Benzo(a)pyrene	24.569	252	70169	4.091 ng	#	82

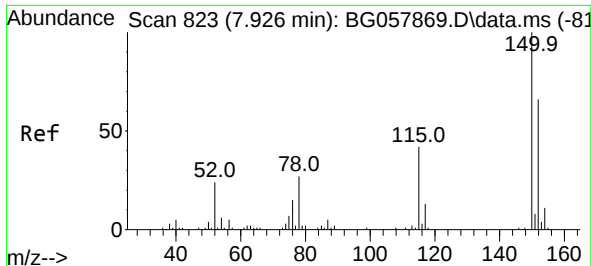
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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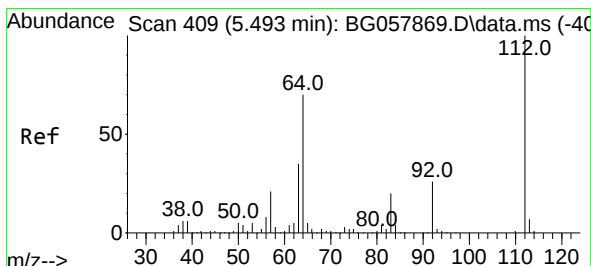
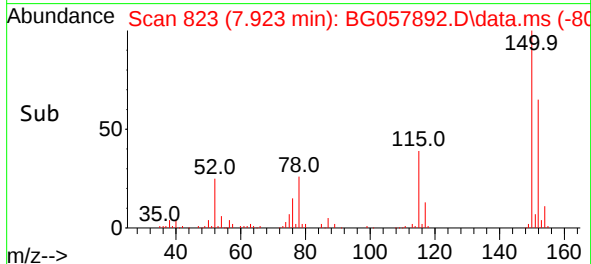
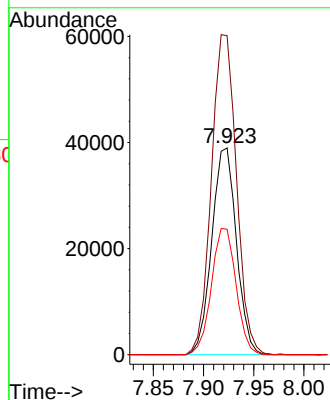
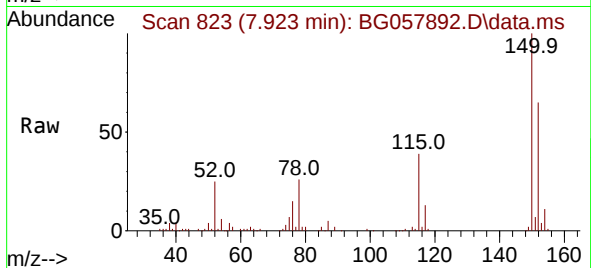




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.923 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG057892.D
Acq: 28 Jun 2023 14:32

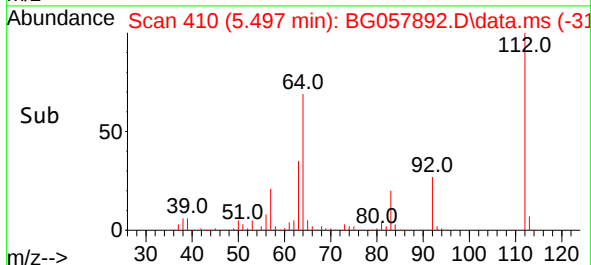
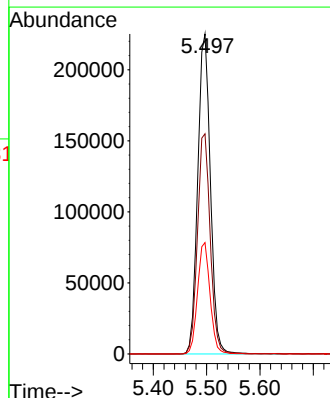
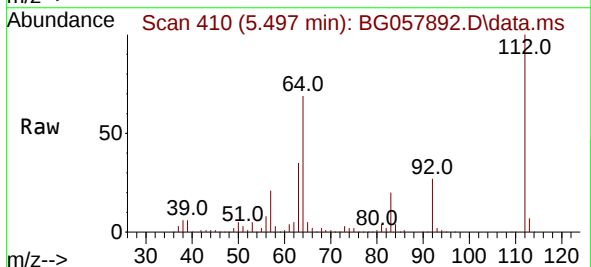
Instrument :
BNA_G
ClientSampleId :
OE-1-062323

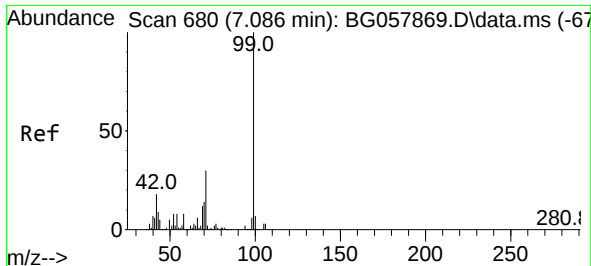
Tgt Ion:152 Resp: 66699
Ion Ratio Lower Upper
152 100
150 154.4 122.0 183.0
115 60.7 50.7 76.1



#5
2-Fluorophenol
Concen: 85.253 ng
RT: 5.497 min Scan# 410
Delta R.T. 0.004 min
Lab File: BG057892.D
Acq: 28 Jun 2023 14:32

Tgt Ion:112 Resp: 371655
Ion Ratio Lower Upper
112 100
64 68.8 55.8 83.6
63 34.8 27.9 41.9

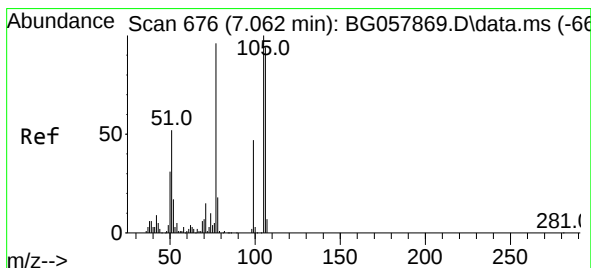
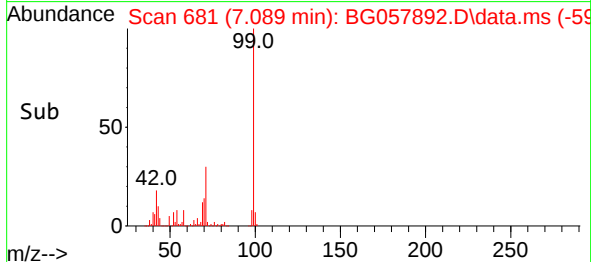
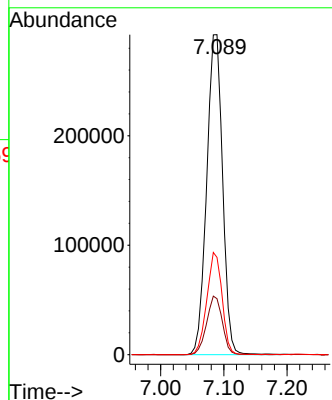
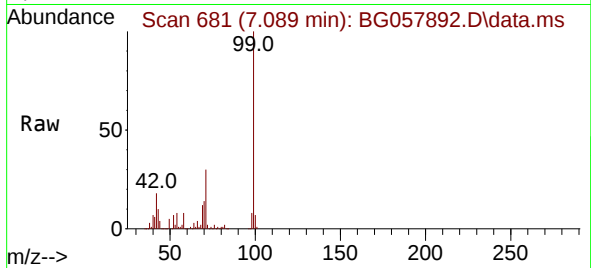




#7
Phenol-d6
Concen: 78.229 ng
RT: 7.089 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG057892.D
Acq: 28 Jun 2023 14:32

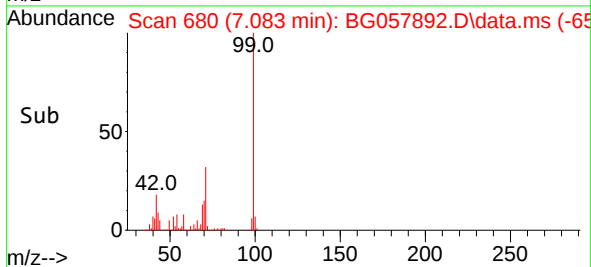
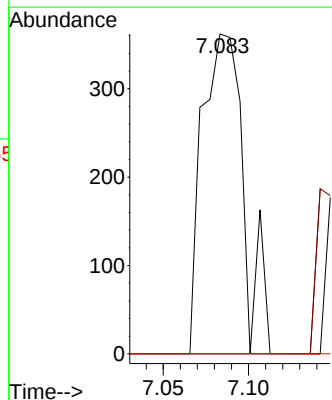
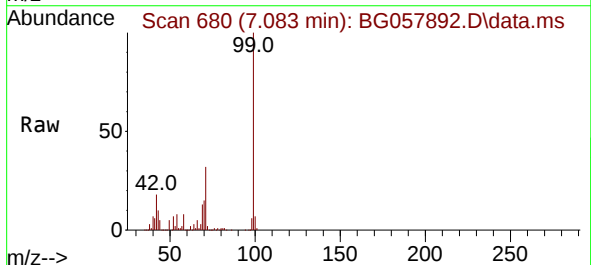
Instrument :
BNA_G
ClientSampleId :
OE-1-062323

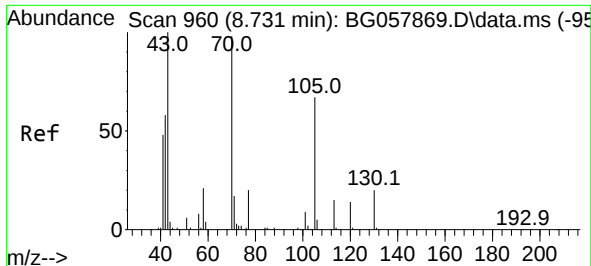
Tgt Ion: 99 Resp: 509965
Ion Ratio Lower Upper
99 100
42 17.5 14.2 21.4
71 30.4 23.9 35.9



#9
Benzaldehyde
Concen: Below Cal
RT: 7.083 min Scan# 680
Delta R.T. 0.021 min
Lab File: BG057892.D
Acq: 28 Jun 2023 14:32

Tgt Ion: 77 Resp: 612
Ion Ratio Lower Upper
77 100
105 0.0 83.7 123.7#
106 0.0 77.4 117.4#

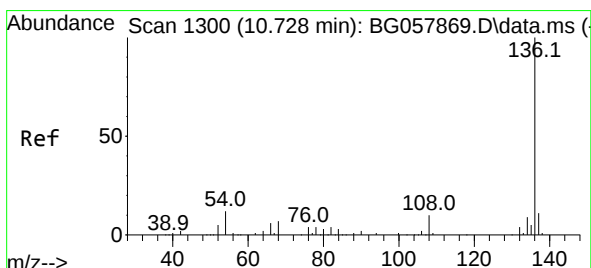
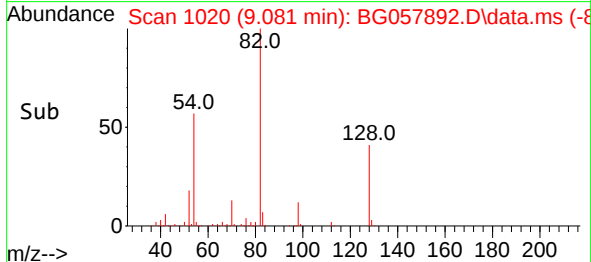
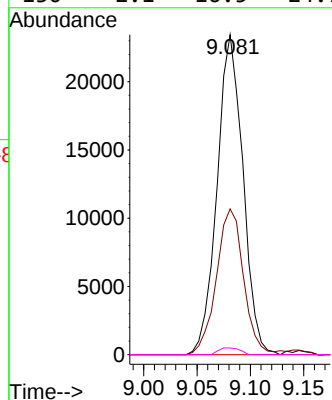
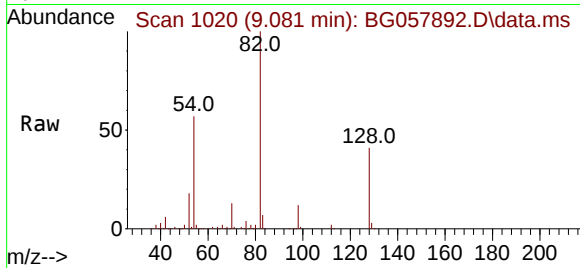




#19
n-Nitroso-di-n-propylamine
Concen: 9.064 ng
RT: 9.081 min Scan# 1020
Delta R.T. 0.350 min
Lab File: BG057892.D
Acq: 28 Jun 2023 14:32

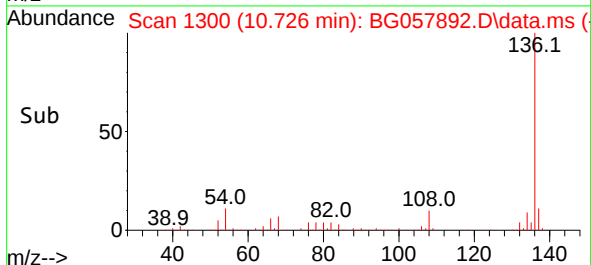
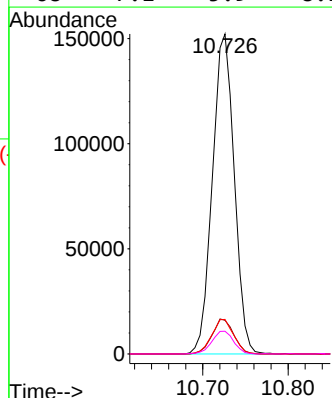
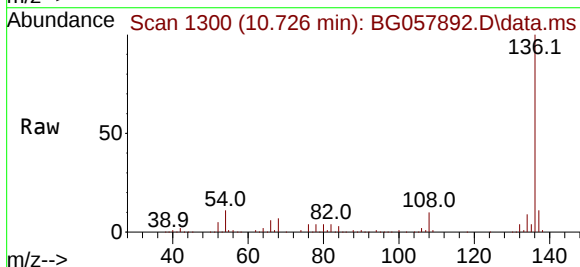
Instrument :
BNA_G
ClientSampleId :
OE-1-062323

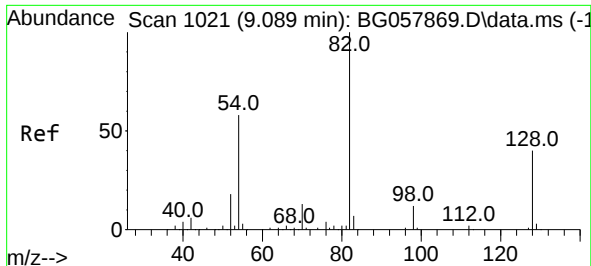
Tgt Ion: 70 Resp: 39536
Ion Ratio Lower Upper
70 100
42 45.6 48.4 72.6#
101 0.0 7.2 10.8#
130 2.1 16.5 24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.726 min Scan# 1300
Delta R.T. -0.002 min
Lab File: BG057892.D
Acq: 28 Jun 2023 14:32

Tgt Ion:136 Resp: 270864
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 10.8 9.3 13.9
68 7.1 5.9 8.9

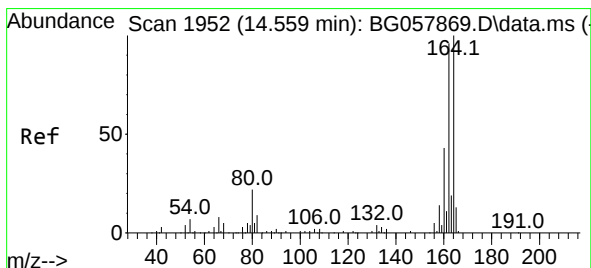
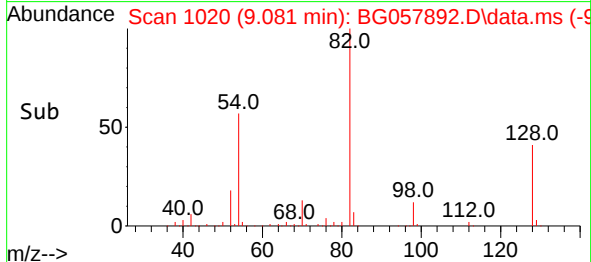
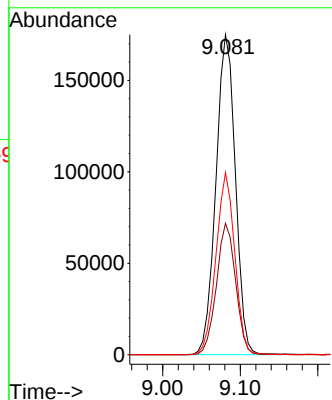
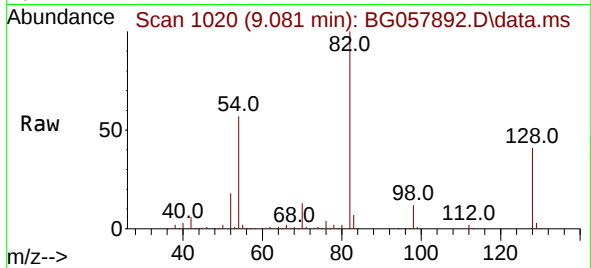




#23
Nitrobenzene-d5
Concen: 55.276 ng
RT: 9.081 min Scan# 1021
Delta R.T. -0.008 min
Lab File: BG057892.D
Acq: 28 Jun 2023 14:32

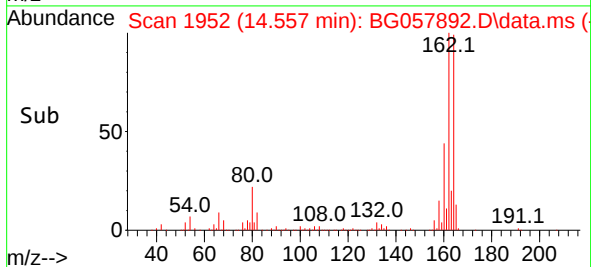
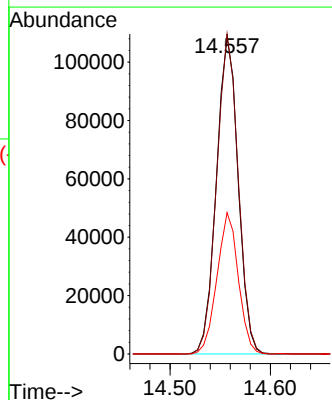
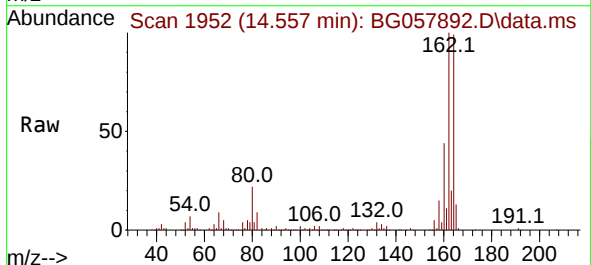
Instrument :
BNA_G
ClientSampleId :
OE-1-062323

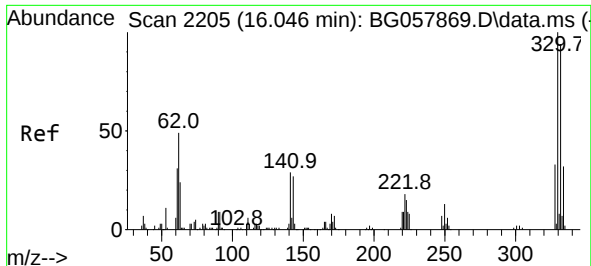
Tgt Ion: 82 Resp: 305507
Ion Ratio Lower Upper
82 100
128 41.1 32.2 48.4
54 56.9 46.1 69.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.557 min Scan# 1952
Delta R.T. -0.002 min
Lab File: BG057892.D
Acq: 28 Jun 2023 14:32

Tgt Ion:164 Resp: 163373
Ion Ratio Lower Upper
164 100
162 101.0 76.4 114.6
160 44.6 34.2 51.2

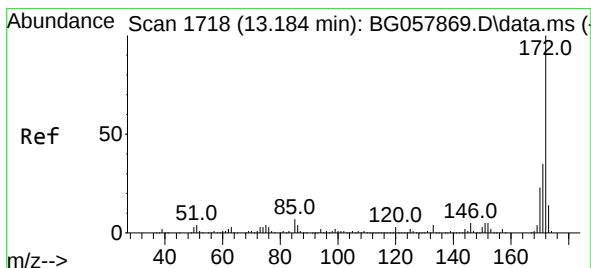
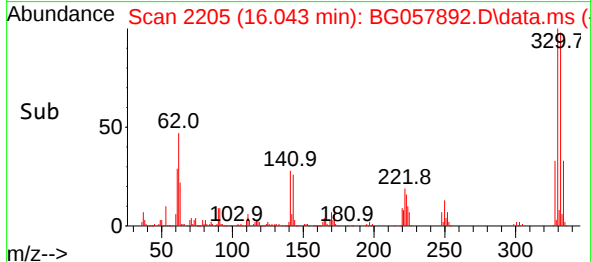
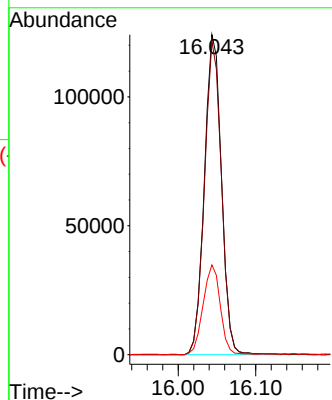
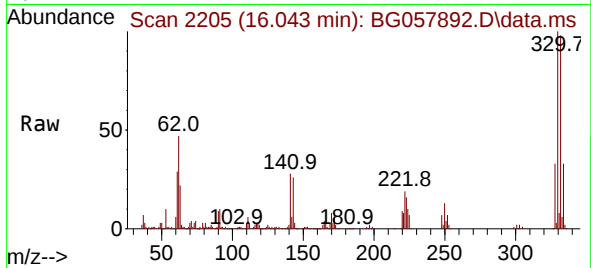




#42
2,4,6-Tribromophenol
Concen: 69.104 ng
RT: 16.043 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG057892.D
Acq: 28 Jun 2023 14:32

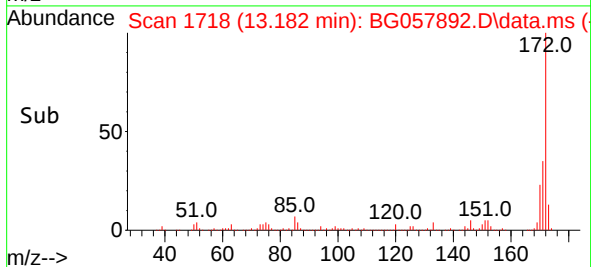
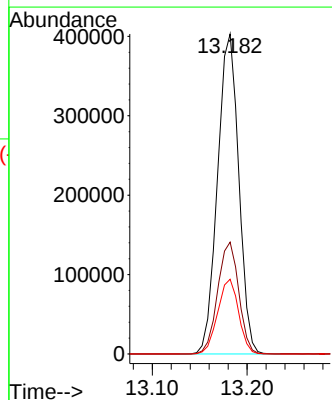
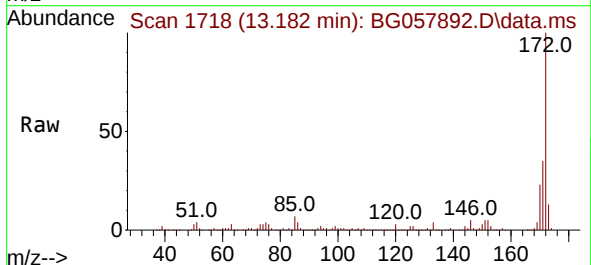
Instrument :
BNA_G
ClientSampleId :
OE-1-062323

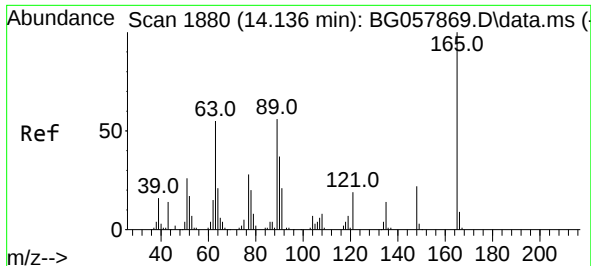
Tgt Ion:330 Resp: 189623
Ion Ratio Lower Upper
330 100
332 97.1 77.1 115.7
141 28.2 22.2 33.4



#45
2-Fluorobiphenyl
Concen: 58.441 ng
RT: 13.182 min Scan# 1718
Delta R.T. -0.002 min
Lab File: BG057892.D
Acq: 28 Jun 2023 14:32

Tgt Ion:172 Resp: 625652
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.8
170 23.3 18.6 27.8

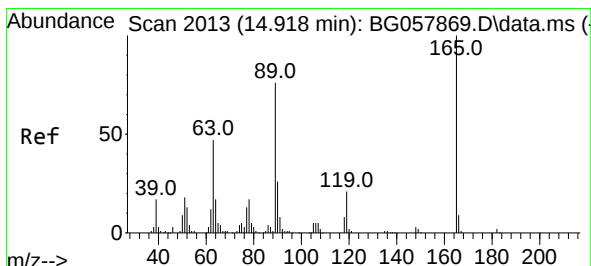
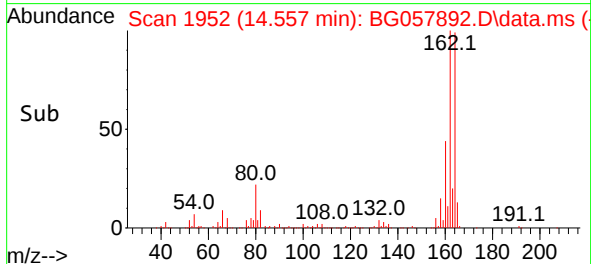
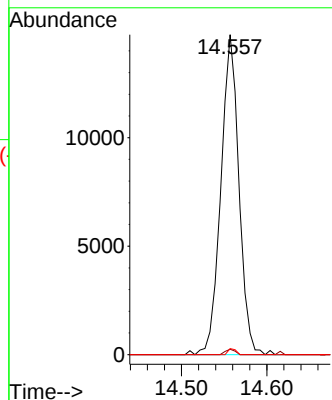
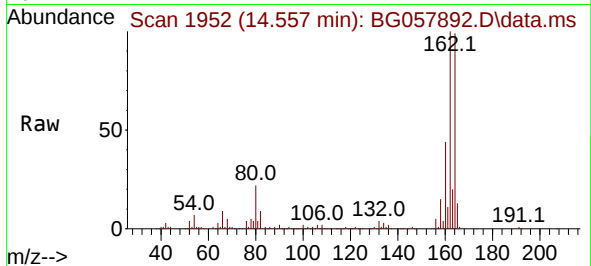




#51
2,6-Dinitrotoluene
Concen: 8.097 ng
RT: 14.557 min Scan# 1952
Delta R.T. 0.421 min
Lab File: BG057892.D
Acq: 28 Jun 2023 14:32

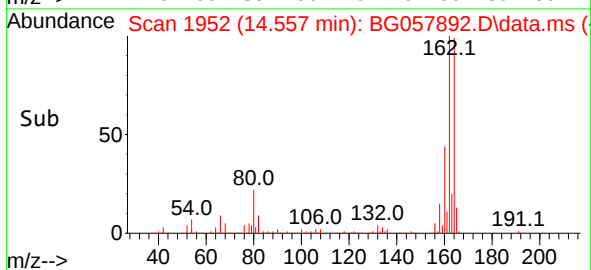
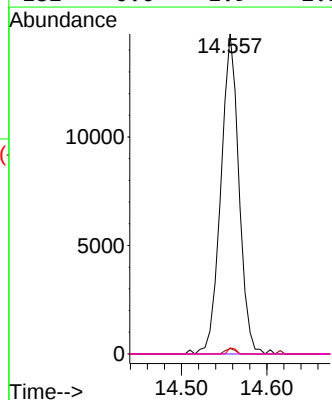
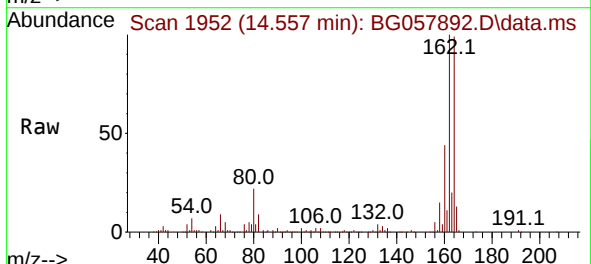
Instrument :
BNA_G
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OE-1-062323

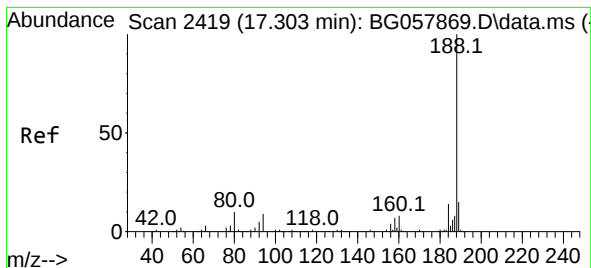
Tgt Ion:165 Resp: 21769
Ion Ratio Lower Upper
165 100
63 1.7 46.4 69.6#
89 1.9 45.0 67.6#



#57
2,4-Dinitrotoluene
Concen: 5.580 ng
RT: 14.557 min Scan# 1952
Delta R.T. -0.361 min
Lab File: BG057892.D
Acq: 28 Jun 2023 14:32

Tgt Ion:165 Resp: 21769
Ion Ratio Lower Upper
165 100
63 1.7 37.6 56.4#
89 1.9 61.0 91.4#
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.301 min Scan# 2419

Delta R.T. -0.002 min

Lab File: BG057892.D

Acq: 28 Jun 2023 14:32

Instrument :

BNA_G

ClientSampleId :

OE-1-062323

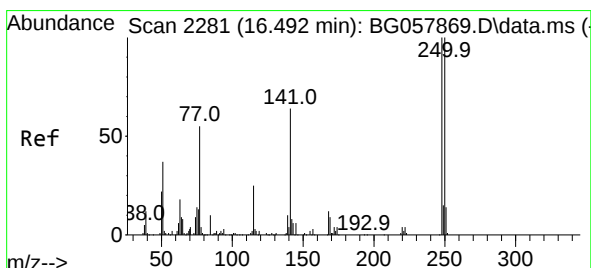
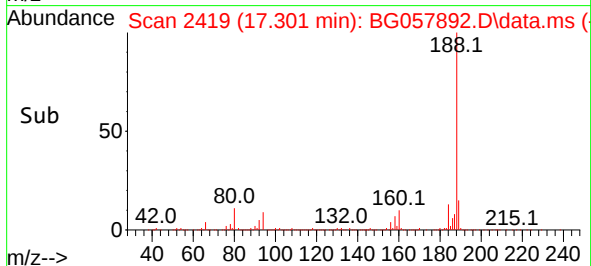
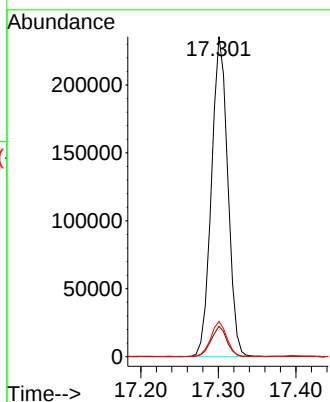
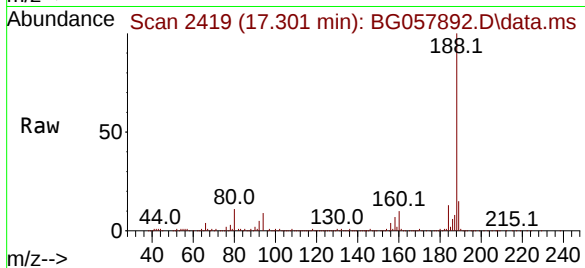
Tgt Ion:188 Resp: 344609

Ion Ratio Lower Upper

188 100

94 9.5 7.2 10.8

80 11.0 8.4 12.6



#67

4-Bromophenyl-phenylether

Concen: 3.313 ng

RT: 16.043 min Scan# 2205

Delta R.T. -0.449 min

Lab File: BG057892.D

Acq: 28 Jun 2023 14:32

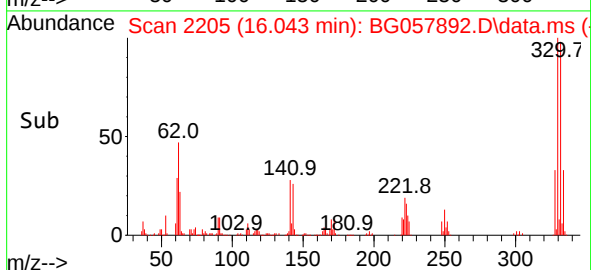
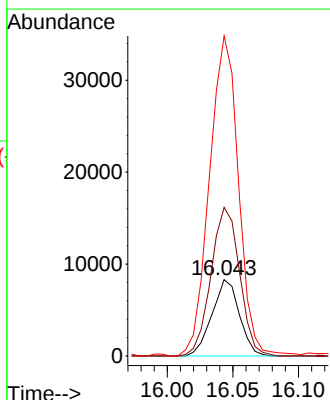
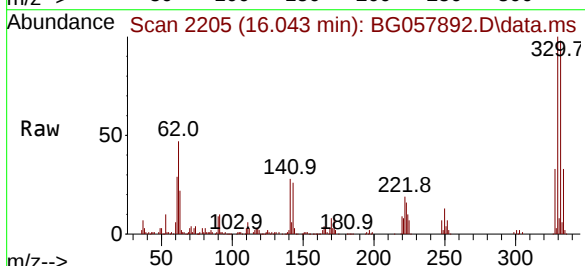
Tgt Ion:248 Resp: 12050

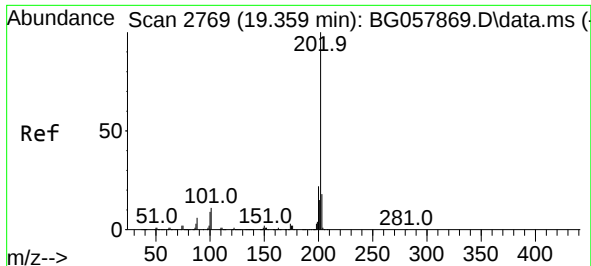
Ion Ratio Lower Upper

248 100

250 194.6 79.7 119.5#

141 419.4 50.8 76.2#

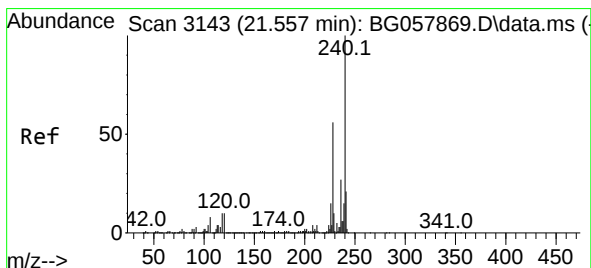
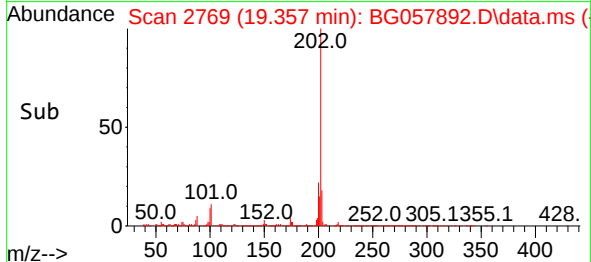
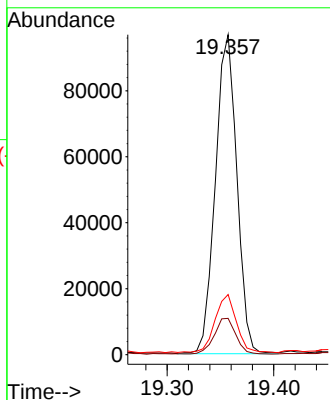
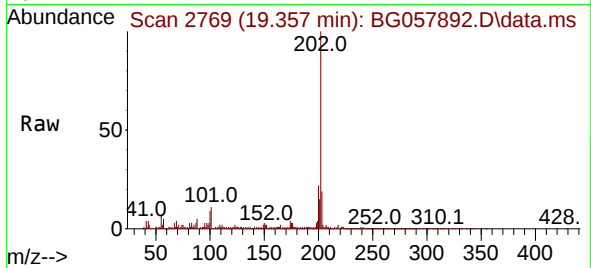




#75
Fluoranthene
Concen: 6.489 ng
RT: 19.357 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG057892.D
Acq: 28 Jun 2023 14:32

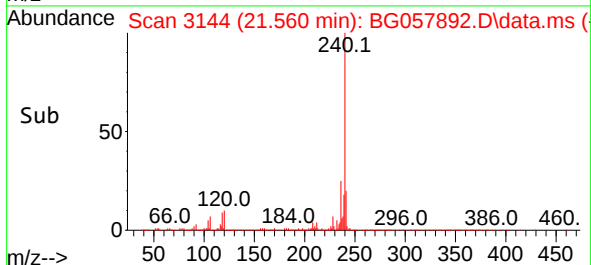
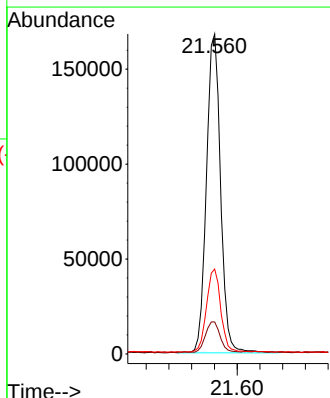
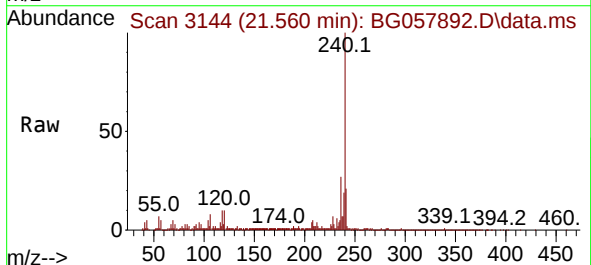
Instrument :
BNA_G
ClientSampleId :
OE-1-062323

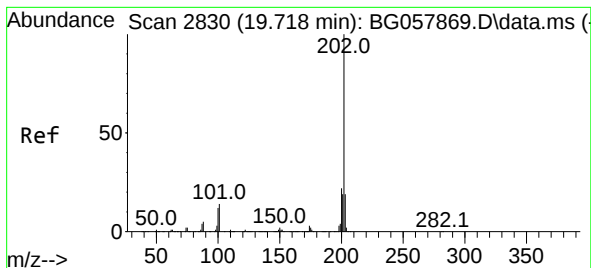
Tgt Ion:202 Resp: 135236
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.3
203 18.8 0.0 38.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.560 min Scan# 3144
Delta R.T. 0.004 min
Lab File: BG057892.D
Acq: 28 Jun 2023 14:32

Tgt Ion:240 Resp: 288644
Ion Ratio Lower Upper
240 100
120 10.0 8.1 12.1
236 26.6 21.9 32.9





#78

Pyrene

Concen: 6.474 ng

RT: 19.715 min Scan# 2830

Delta R.T. -0.002 min

Lab File: BG057892.D

Acq: 28 Jun 2023 14:32

Instrument :

BNA_G

ClientSampleId :

OE-1-062323

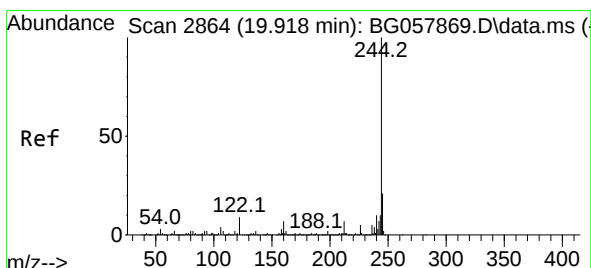
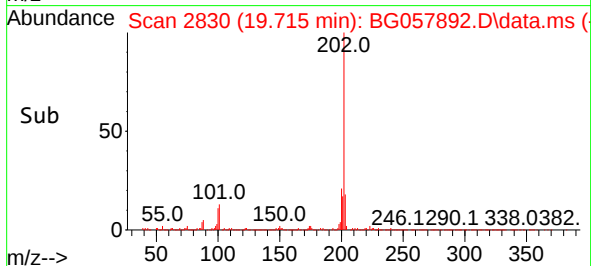
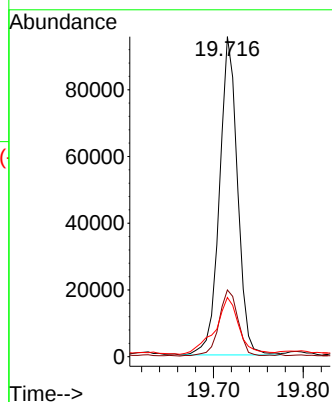
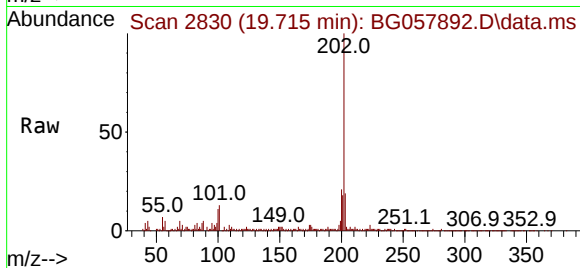
Tgt Ion:202 Resp: 133436

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

203 18.5 15.2 22.8



#79

Terphenyl-d14

Concen: 53.088 ng

RT: 19.921 min Scan# 2865

Delta R.T. 0.004 min

Lab File: BG057892.D

Acq: 28 Jun 2023 14:32

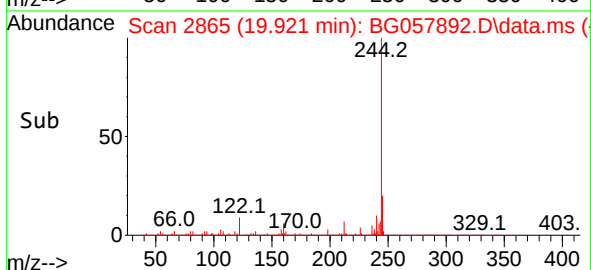
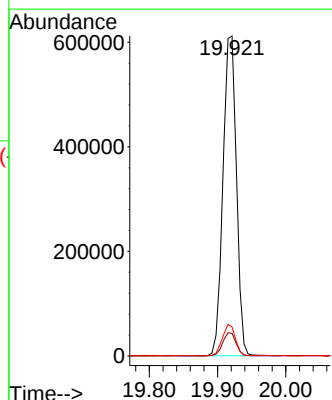
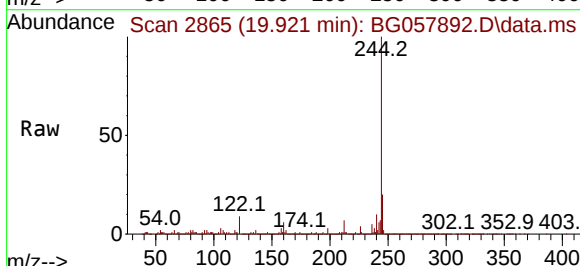
Tgt Ion:244 Resp: 840523

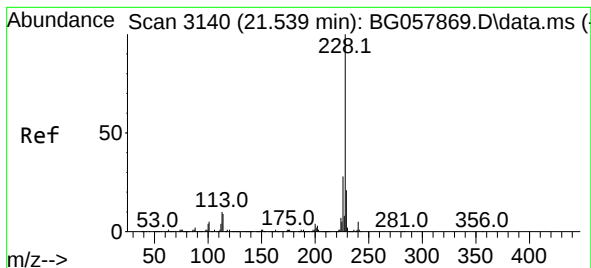
Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

122 9.0 7.4 11.0





#81

Benzo(a)anthracene

Concen: 4.329 ng

RT: 21.602 min Scan# 3151

Delta R.T. 0.062 min

Lab File: BG057892.D

Acq: 28 Jun 2023 14:32

Instrument :

BNA_G

ClientSampleId :

OE-1-062323

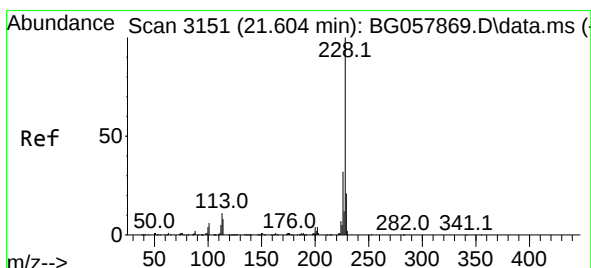
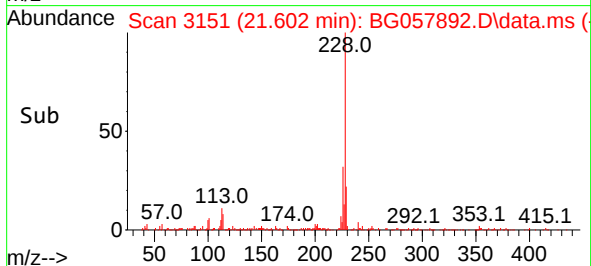
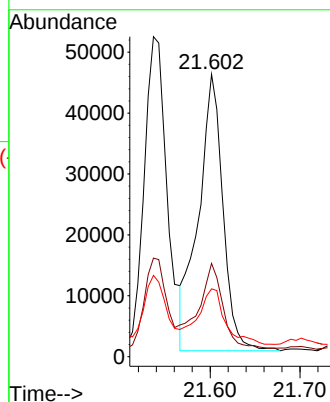
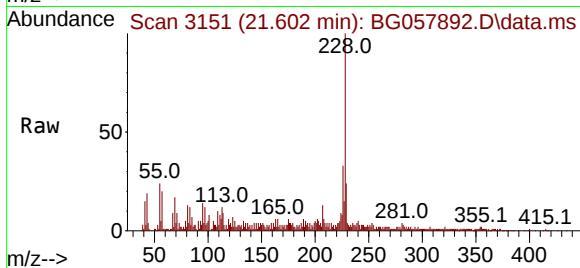
Tgt Ion:228 Resp: 86471

Ion Ratio Lower Upper

228 100

226 33.0 22.7 34.1

229 24.0 16.5 24.7



#83

Chrysene

Concen: 4.573 ng

RT: 21.602 min Scan# 3151

Delta R.T. -0.002 min

Lab File: BG057892.D

Acq: 28 Jun 2023 14:32

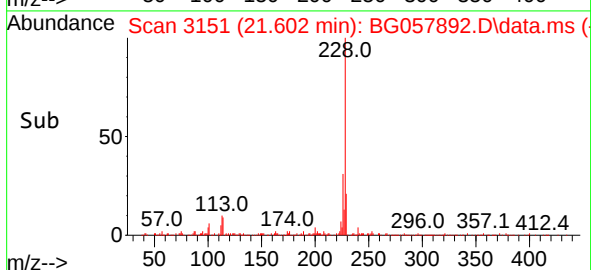
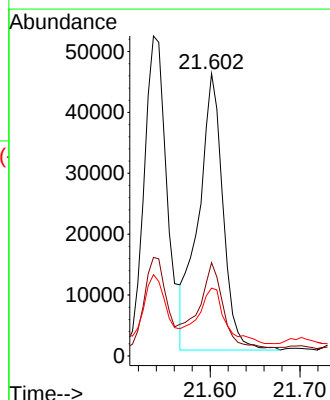
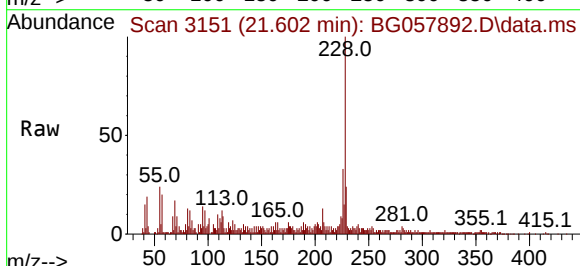
Tgt Ion:228 Resp: 86471

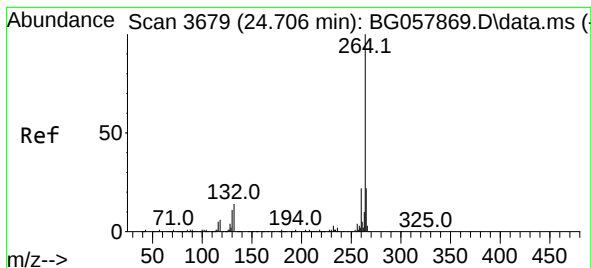
Ion Ratio Lower Upper

228 100

226 33.0 25.3 37.9

229 24.0 16.5 24.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.721 min Scan# 3

Delta R.T. 0.015 min

Lab File: BG057892.D

Acq: 28 Jun 2023 14:32

Instrument :

BNA_G

ClientSampleId :

OE-1-062323

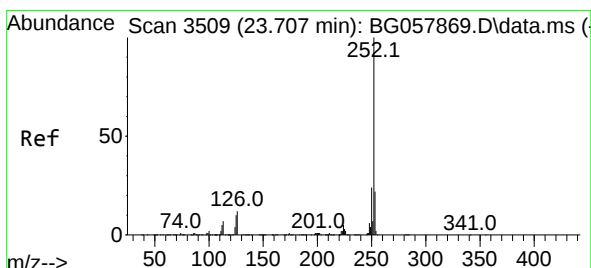
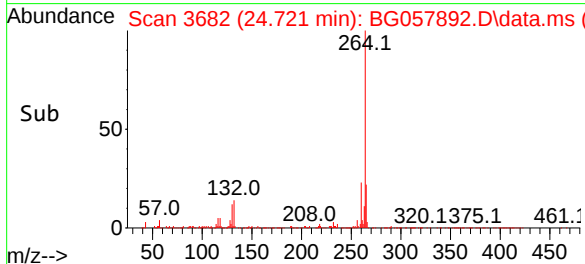
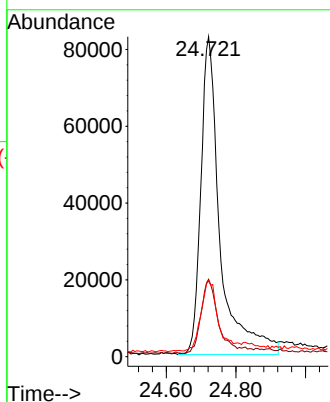
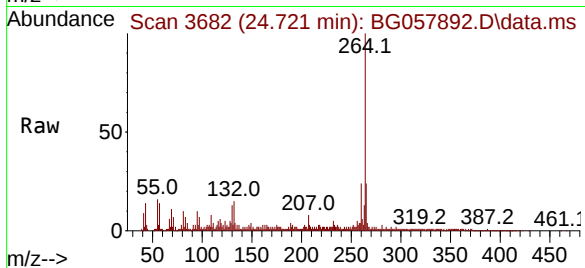
Tgt Ion:264 Resp: 317447

Ion Ratio Lower Upper

264 100

260 24.2 17.8 26.8

265 23.7 17.3 25.9



#88

Benzo(b)fluoranthene

Concen: 6.010 ng

RT: 23.723 min Scan# 3512

Delta R.T. 0.015 min

Lab File: BG057892.D

Acq: 28 Jun 2023 14:32

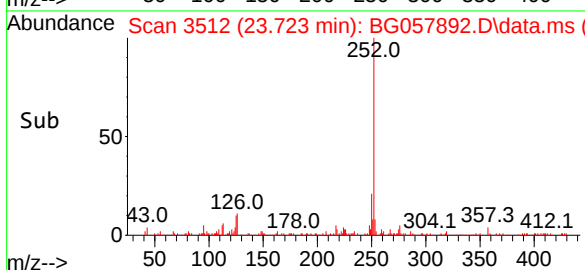
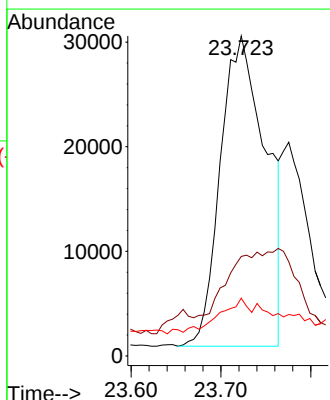
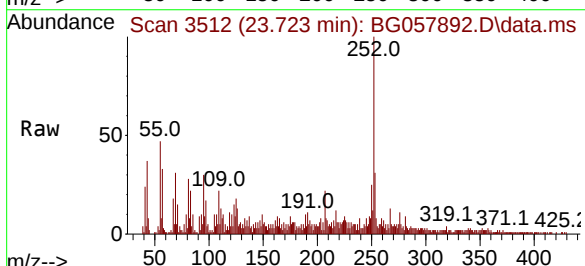
Tgt Ion:252 Resp: 104055

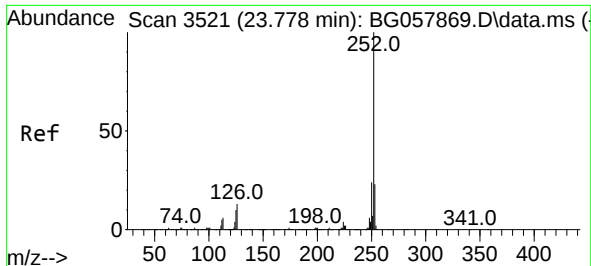
Ion Ratio Lower Upper

252 100

253 31.1 17.7 26.5#

125 18.0 7.7 11.5#

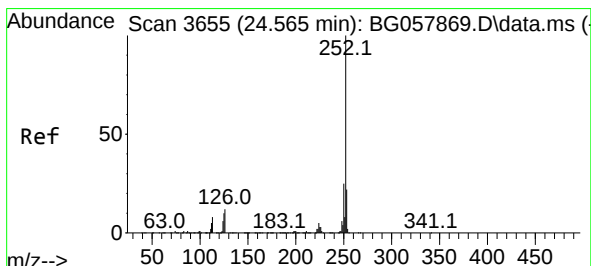
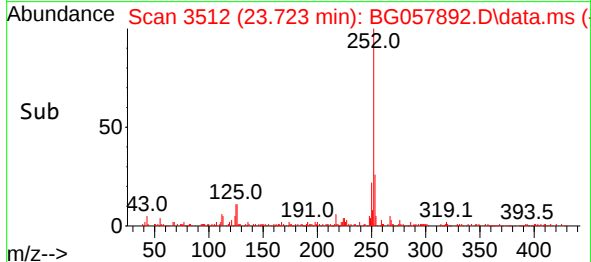
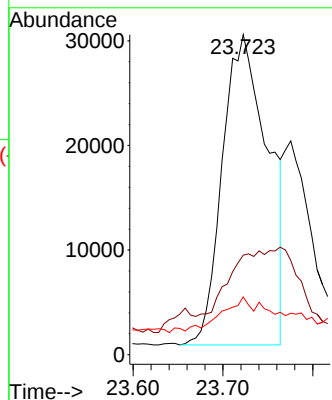
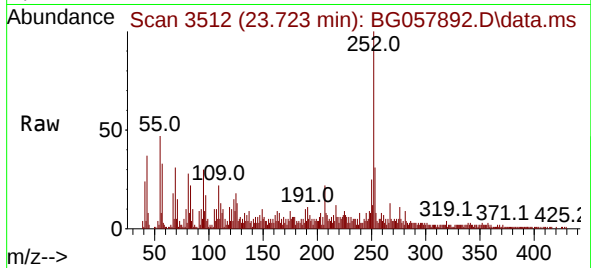




#89
Benzo(k)fluoranthene
Concen: 5.946 ng
RT: 23.723 min Scan# 31
Delta R.T. -0.055 min
Lab File: BG057892.D
Acq: 28 Jun 2023 14:32

Instrument :
BNA_G
ClientSampleId :
OE-1-062323

Tgt Ion:252 Resp: 104055
Ion Ratio Lower Upper
252 100
253 31.1 18.1 27.1#
125 18.0 7.8 11.6#



#90
Benzo(a)pyrene
Concen: 4.091 ng
RT: 24.569 min Scan# 3656
Delta R.T. 0.004 min
Lab File: BG057892.D
Acq: 28 Jun 2023 14:32

Tgt Ion:252 Resp: 70169
Ion Ratio Lower Upper
252 100
253 29.1 17.7 26.5#
125 19.1 8.0 12.0#

