

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062823\
 Data File : BG057887.D
 Acq On : 28 Jun 2023 11:06
 Operator : CG/JU
 Sample : 03366-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC38

Quant Time: Jun 28 16:25:46 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)

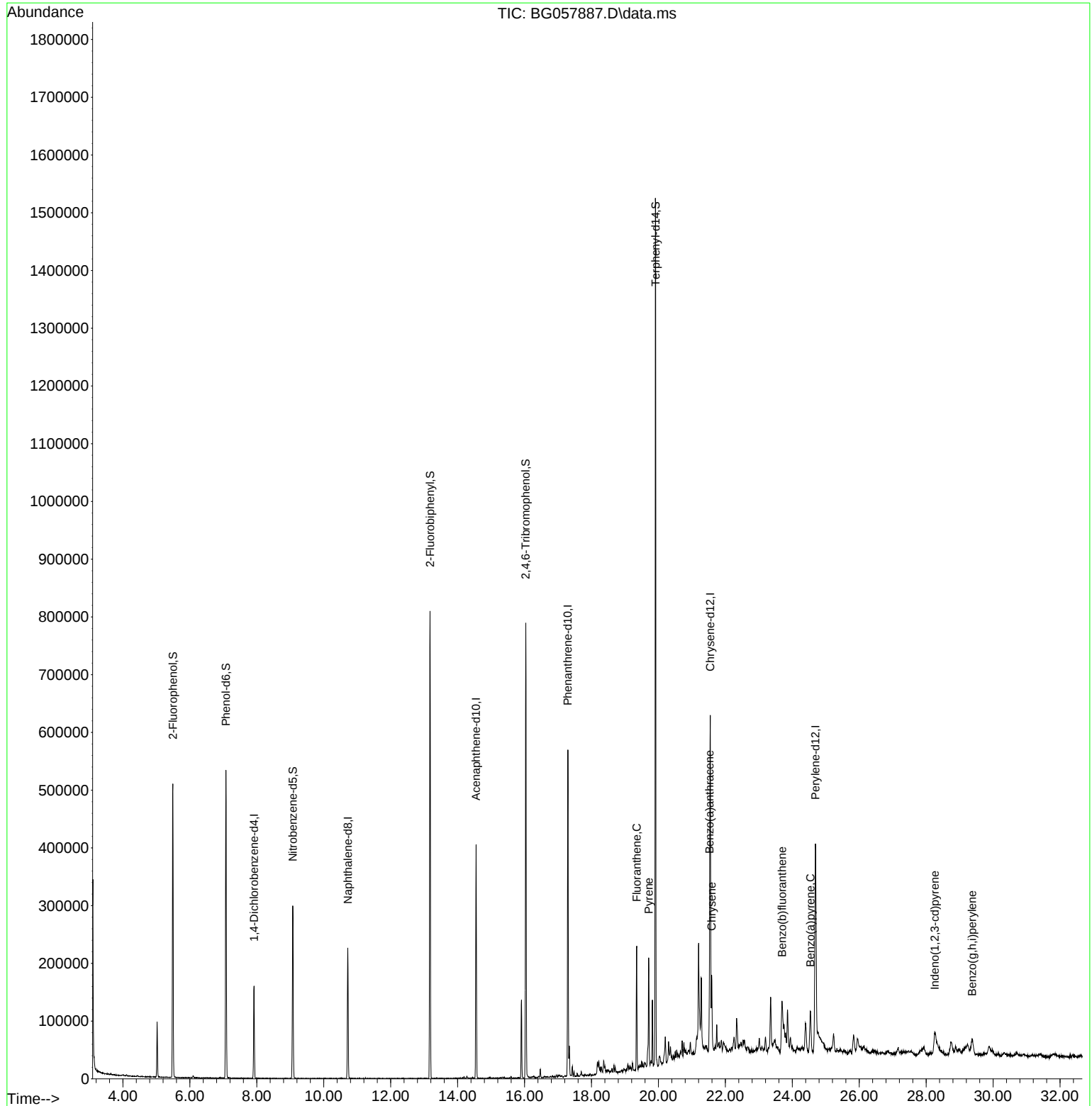
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.917	152	43559	20.000	ng	0.00
21) Naphthalene-d8	10.719	136	188627	20.000	ng	0.00
39) Acenaphthene-d10	14.550	164	141094	20.000	ng	0.00
64) Phenanthrene-d10	17.294	188	356973	20.000	ng	0.00
76) Chrysene-d12	21.548	240	311751	20.000	ng	0.00
86) Perylene-d12	24.691	264	384317	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.490	112	219741	77.184	ng	0.00
7) Phenol-d6	7.076	99	314556	73.887	ng	0.00
23) Nitrobenzene-d5	9.074	82	184906	48.041	ng	-0.02
42) 2,4,6-Tribromophenol	16.036	330	165251	69.732	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	444456	48.071	ng	0.00
79) Terphenyl-d14	19.914	244	814714	47.644	ng	0.00
Target Compounds						
						Qvalue
75) Fluoranthene	19.350	202	131433	6.088	ng	99
78) Pyrene	19.709	202	114432	5.141	ng	98
81) Benzo(a)anthracene	21.530	228	78474	3.637	ng	97
83) Chrysene	21.589	228	88609	4.339	ng	98
87) Indeno(1,2,3-cd)pyrene	28.257	276	57510	2.259	ng	# 76
88) Benzo(b)fluoranthene	23.692	252	106740	5.092	ng	98
90) Benzo(a)pyrene	24.538	252	76283	3.674	ng	98
92) Benzo(g,h,i)perylene	29.374	276	52642	2.508	ng	# 94

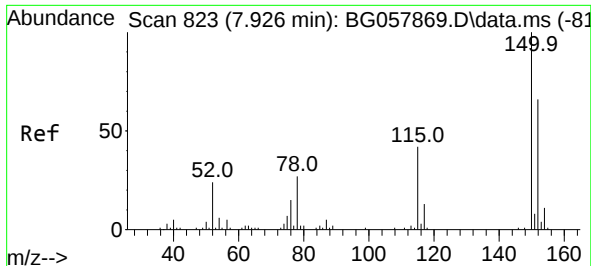
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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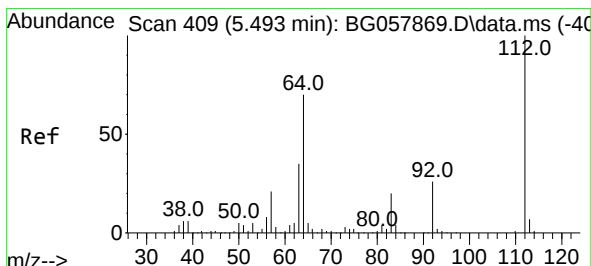
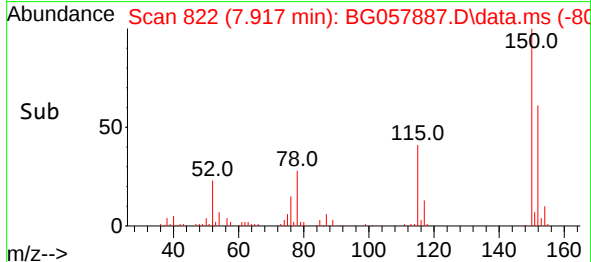
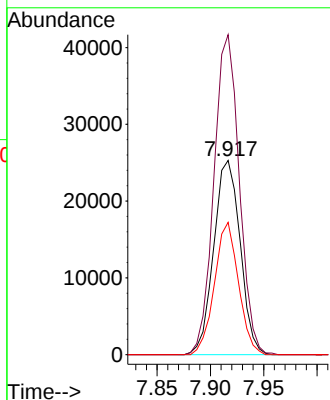
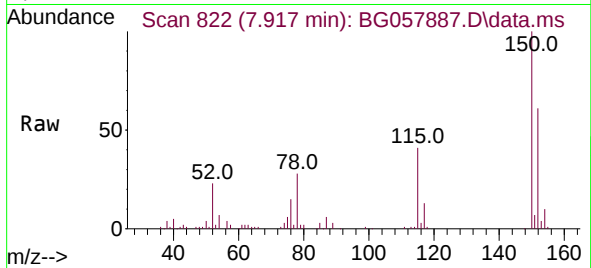




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.917 min Scan# 81
Delta R.T. -0.010 min
Lab File: BG057887.D
Acq: 28 Jun 2023 11:06

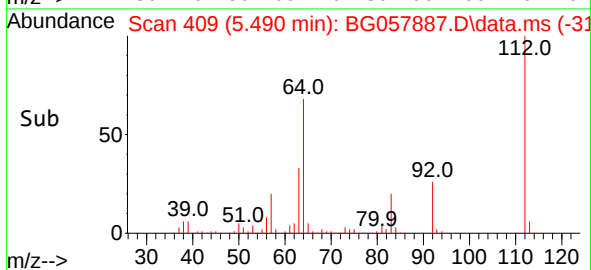
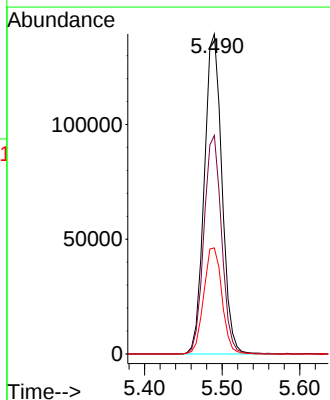
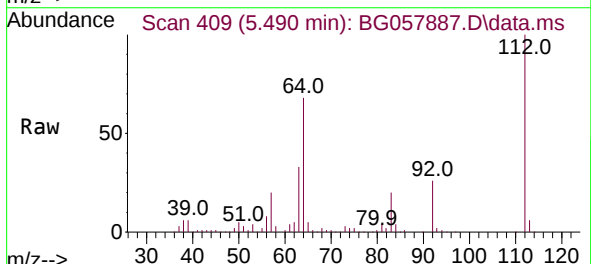
Instrument :
BNA_G
ClientSampleId :
WC38

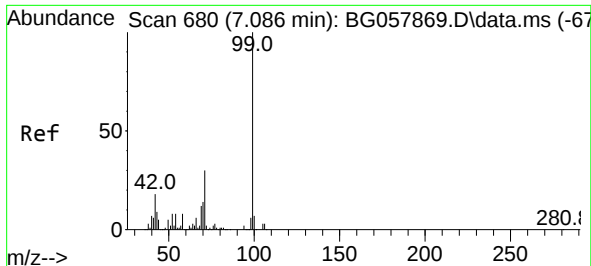
Tgt Ion:152 Resp: 43559
Ion Ratio Lower Upper
152 100
150 164.8 122.0 183.0
115 68.1 50.7 76.1



#5
2-Fluorophenol
Concen: 77.184 ng
RT: 5.490 min Scan# 409
Delta R.T. -0.003 min
Lab File: BG057887.D
Acq: 28 Jun 2023 11:06

Tgt Ion:112 Resp: 219741
Ion Ratio Lower Upper
112 100
64 68.3 55.8 83.6
63 33.2 27.9 41.9

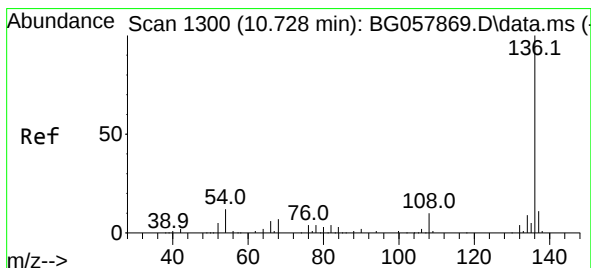
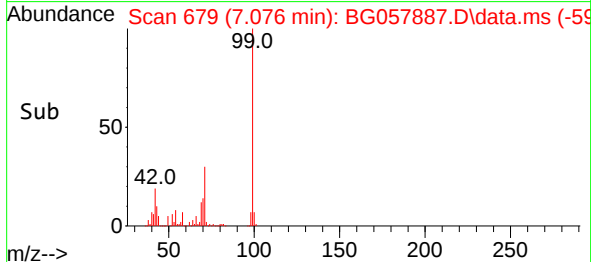
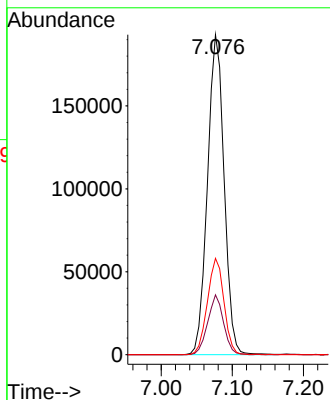
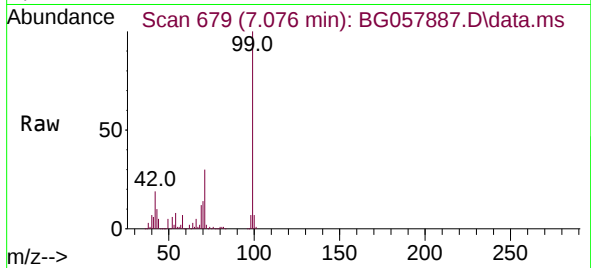




#7
Phenol-d6
Concen: 73.887 ng
RT: 7.076 min Scan# 61
Delta R.T. -0.009 min
Lab File: BG057887.D
Acq: 28 Jun 2023 11:06

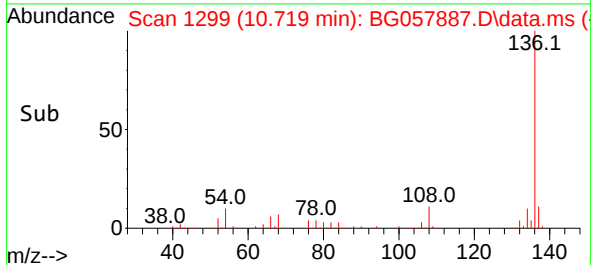
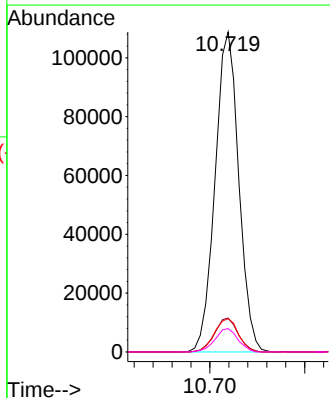
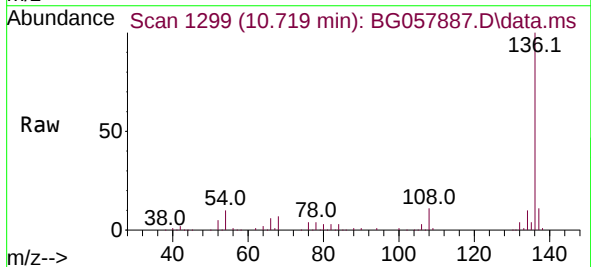
Instrument :
BNA_G
ClientSampleId :
WC38

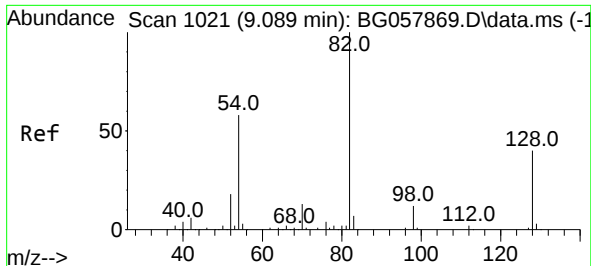
Tgt Ion: 99 Resp: 314556
Ion Ratio Lower Upper
99 100
42 18.7 14.2 21.4
71 30.1 23.9 35.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.719 min Scan# 1299
Delta R.T. -0.009 min
Lab File: BG057887.D
Acq: 28 Jun 2023 11:06

Tgt Ion: 136 Resp: 188627
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 10.4 9.3 13.9
68 7.3 5.9 8.9

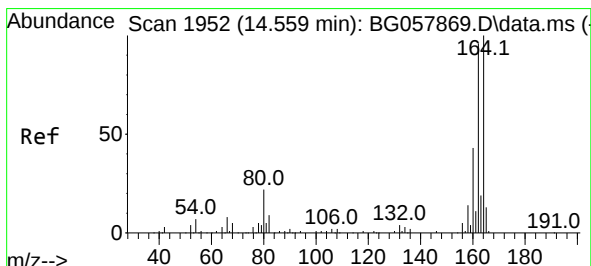
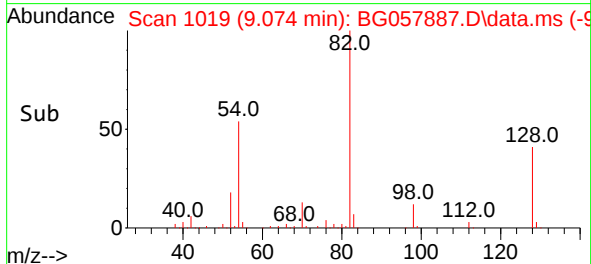
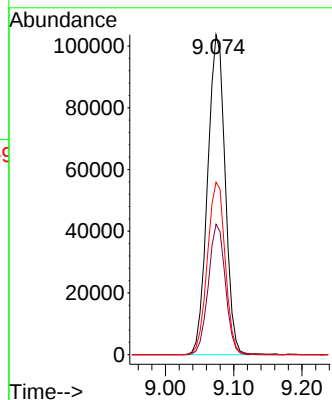
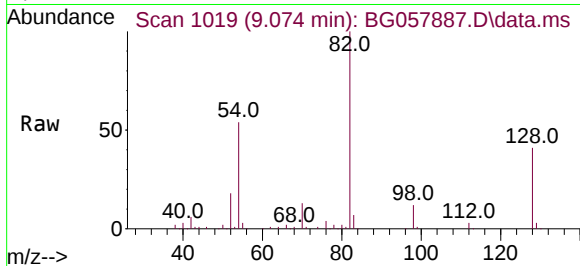




#23
 Nitrobenzene-d5
 Concen: 48.041 ng
 RT: 9.074 min Scan# 1019
 Delta R.T. -0.015 min
 Lab File: BG057887.D
 Acq: 28 Jun 2023 11:06

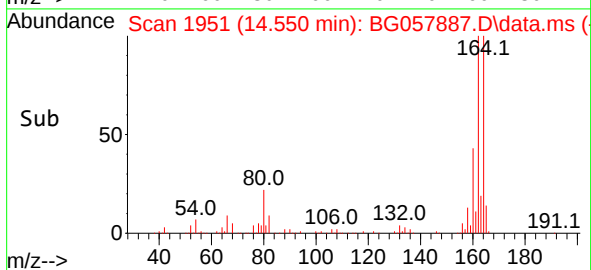
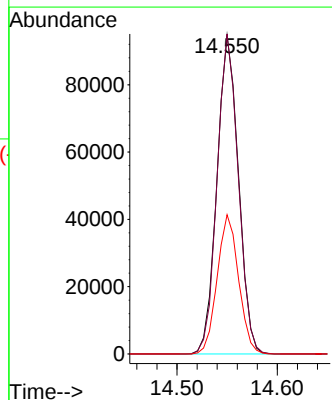
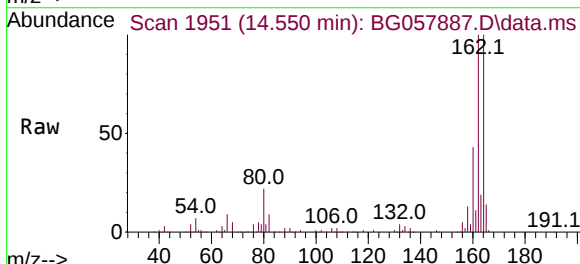
Instrument :
 BNA_G
 ClientSampleId :
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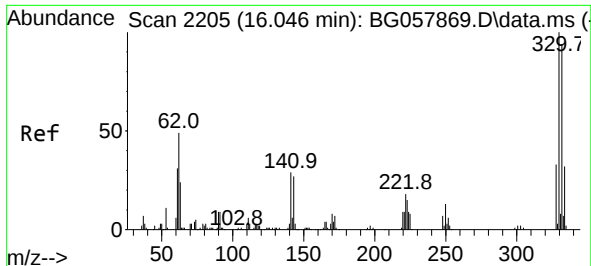
Tgt Ion: 82 Resp: 184906
 Ion Ratio Lower Upper
 82 100
 128 40.7 32.2 48.4
 54 53.9 46.1 69.1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.550 min Scan# 1951
 Delta R.T. -0.009 min
 Lab File: BG057887.D
 Acq: 28 Jun 2023 11:06

Tgt Ion:164 Resp: 141094
 Ion Ratio Lower Upper
 164 100
 162 100.4 76.4 114.6
 160 43.7 34.2 51.2

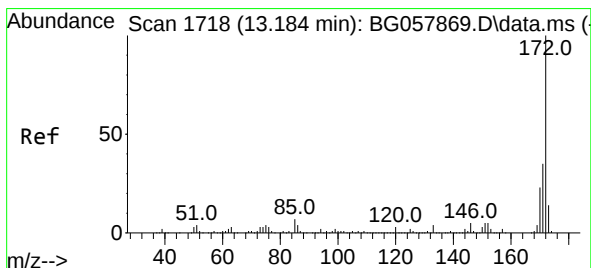
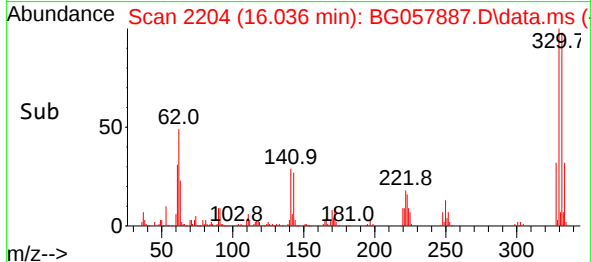
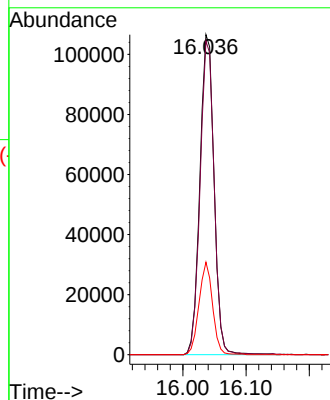
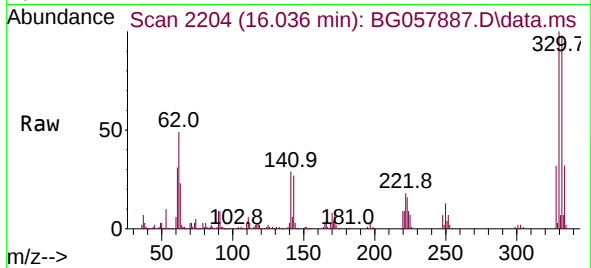




#42
2,4,6-Tribromophenol
Concen: 69.732 ng
RT: 16.036 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG057887.D
Acq: 28 Jun 2023 11:06

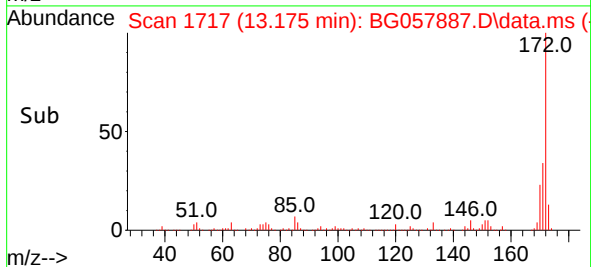
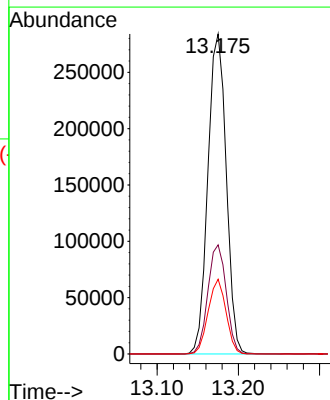
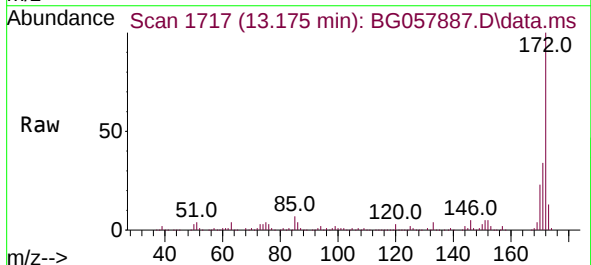
Instrument :
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ClientSampleId :
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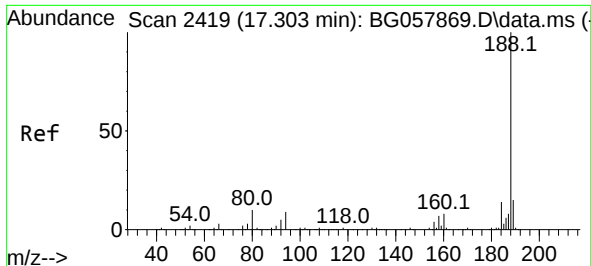
Tgt Ion:330 Resp: 165251
Ion Ratio Lower Upper
330 100
332 97.3 77.1 115.7
141 27.7 22.2 33.4



#45
2-Fluorobiphenyl
Concen: 48.071 ng
RT: 13.175 min Scan# 1717
Delta R.T. -0.009 min
Lab File: BG057887.D
Acq: 28 Jun 2023 11:06

Tgt Ion:172 Resp: 444456
Ion Ratio Lower Upper
172 100
171 34.1 27.8 41.8
170 23.3 18.6 27.8

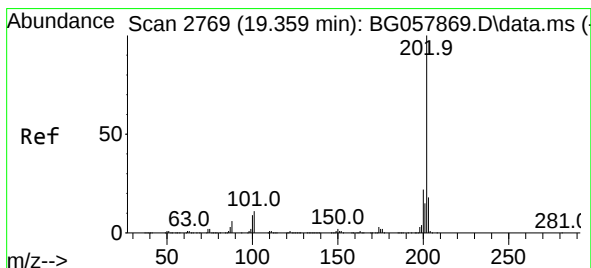
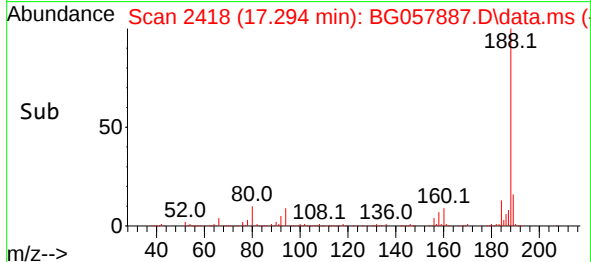
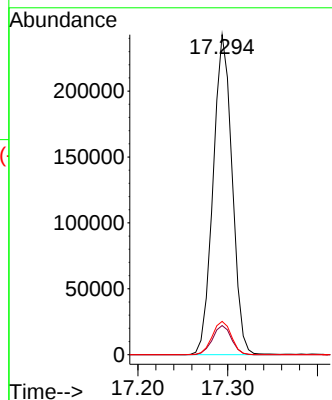
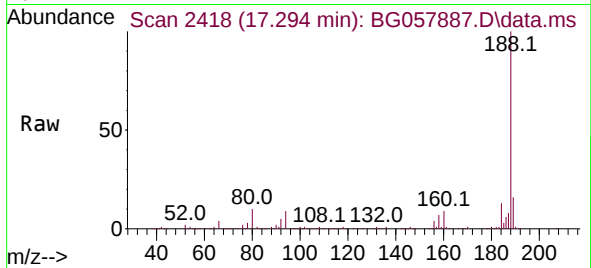




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.294 min Scan# 2419
Delta R.T. -0.009 min
Lab File: BG057887.D
Acq: 28 Jun 2023 11:06

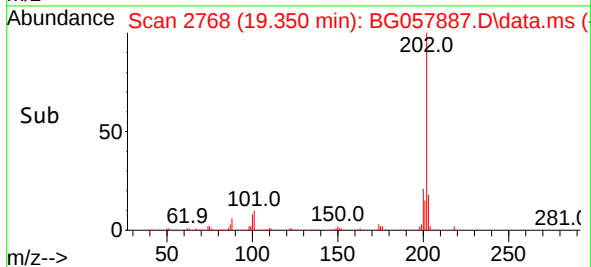
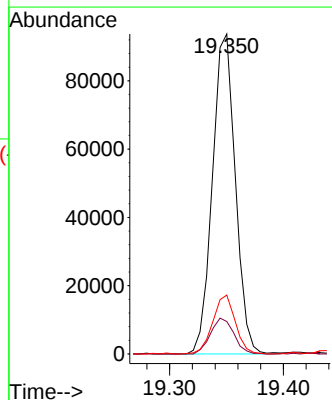
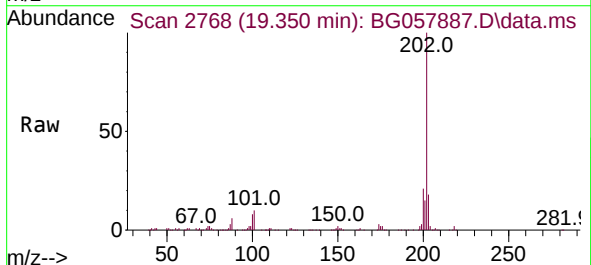
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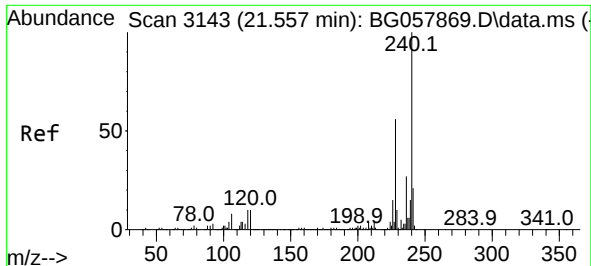
Tgt Ion:188 Resp: 356973
Ion Ratio Lower Upper
188 100
94 9.1 7.2 10.8
80 10.4 8.4 12.6



#75
Fluoranthene
Concen: 6.088 ng
RT: 19.350 min Scan# 2768
Delta R.T. -0.009 min
Lab File: BG057887.D
Acq: 28 Jun 2023 11:06

Tgt Ion:202 Resp: 131433
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.3
203 18.4 0.0 38.2

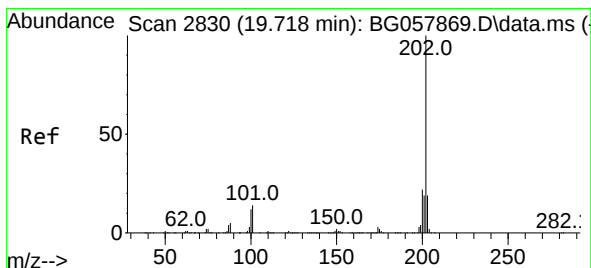
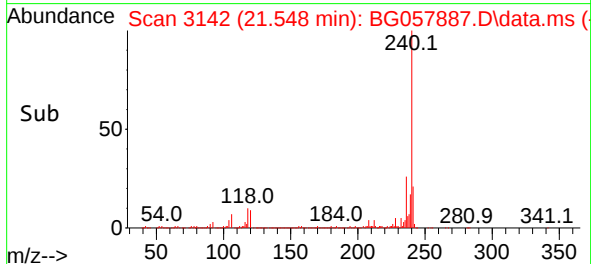
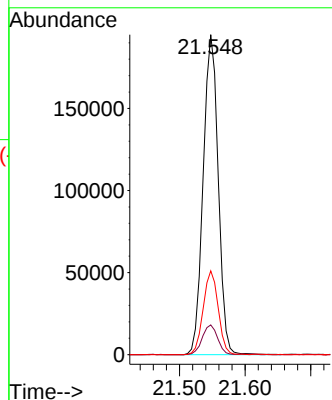
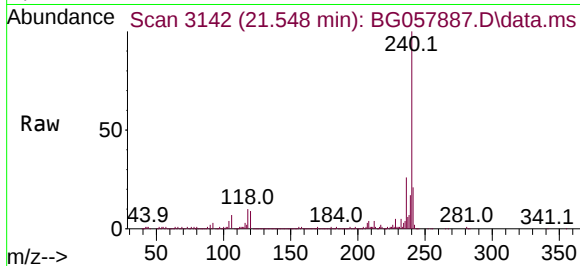




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.548 min Scan# 3143
Delta R.T. -0.009 min
Lab File: BG057887.D
Acq: 28 Jun 2023 11:06

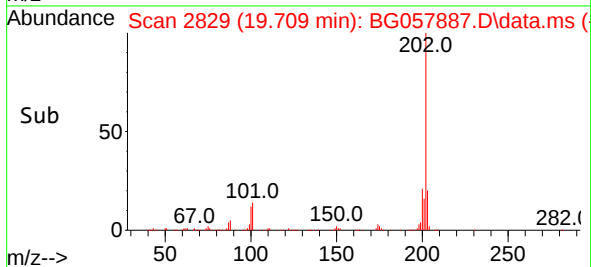
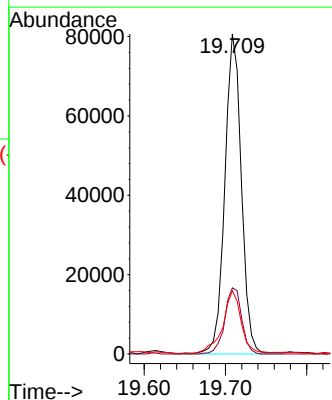
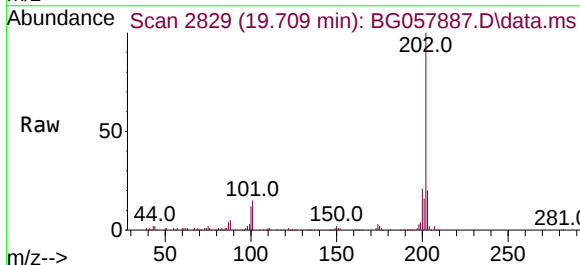
Instrument :
BNA_G
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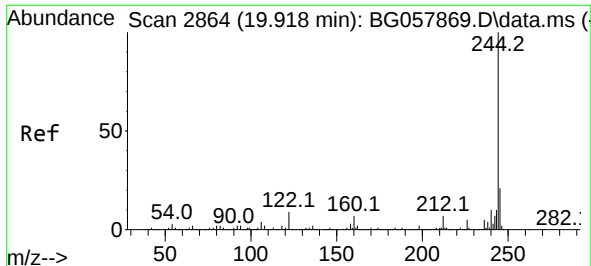
Tgt Ion:240 Resp: 311751
Ion Ratio Lower Upper
240 100
120 9.3 8.1 12.1
236 26.2 21.9 32.9



#78
Pyrene
Concen: 5.141 ng
RT: 19.709 min Scan# 2829
Delta R.T. -0.009 min
Lab File: BG057887.D
Acq: 28 Jun 2023 11:06

Tgt Ion:202 Resp: 114432
Ion Ratio Lower Upper
202 100
200 20.7 17.7 26.5
203 19.8 15.2 22.8

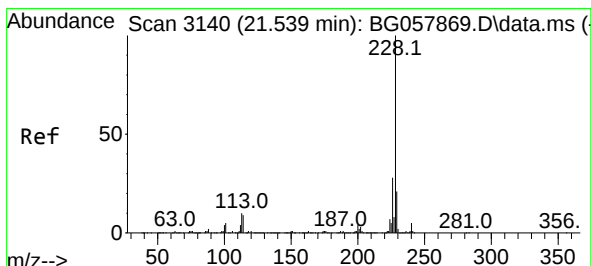
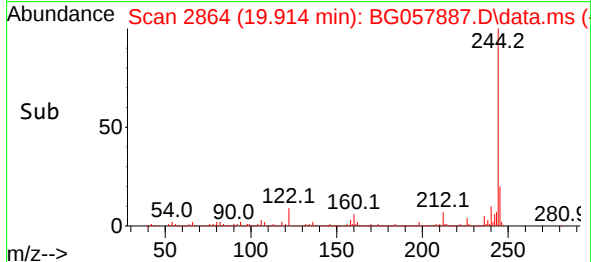
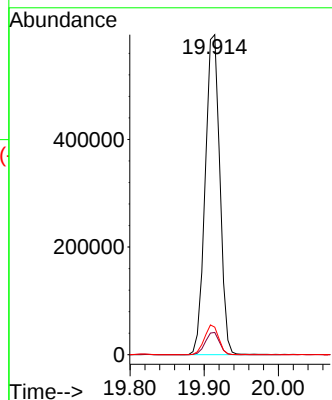
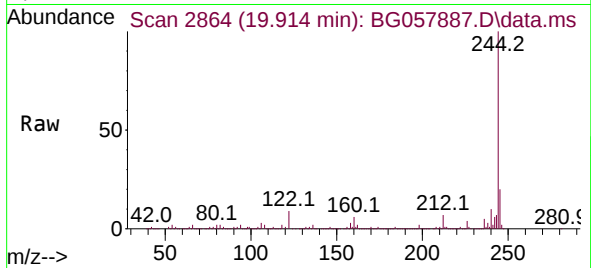




#79
 Terphenyl-d14
 Concen: 47.644 ng
 RT: 19.914 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG057887.D
 Acq: 28 Jun 2023 11:06

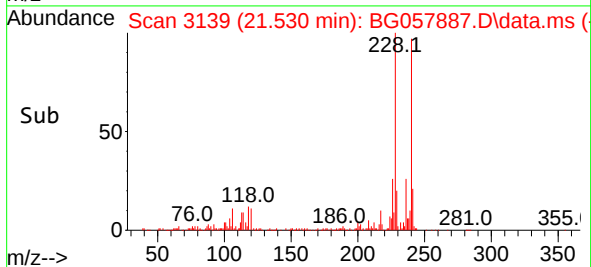
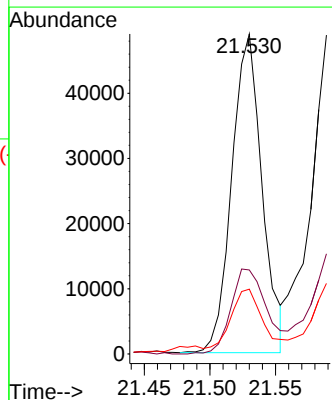
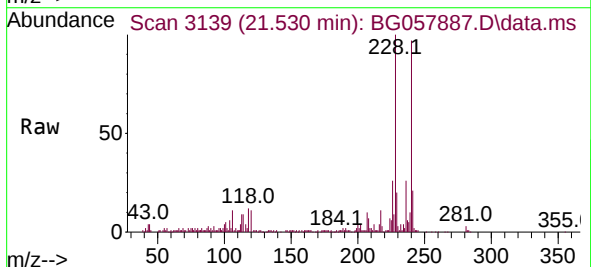
Instrument :
 BNA_G
 ClientSampleId :
 WC38

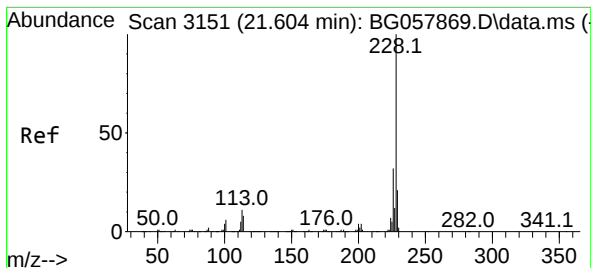
Tgt Ion:244 Resp: 814714
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 8.6 7.4 11.0



#81
 Benzo(a)anthracene
 Concen: 3.637 ng
 RT: 21.530 min Scan# 3139
 Delta R.T. -0.009 min
 Lab File: BG057887.D
 Acq: 28 Jun 2023 11:06

Tgt Ion:228 Resp: 78474
 Ion Ratio Lower Upper
 228 100
 226 26.2 22.7 34.1
 229 20.2 16.5 24.7





#83

Chrysene

Concen: 4.339 ng

RT: 21.589 min Scan# 3151

Delta R.T. -0.015 min

Lab File: BG057887.D

Acq: 28 Jun 2023 11:06

Instrument :

BNA_G

ClientSampleId :

WC38

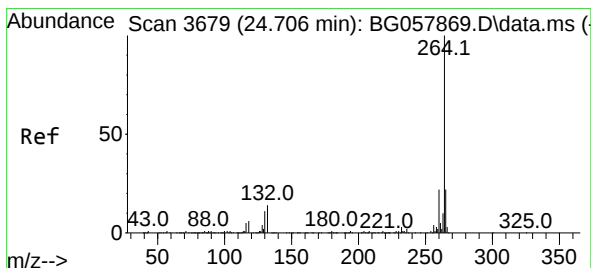
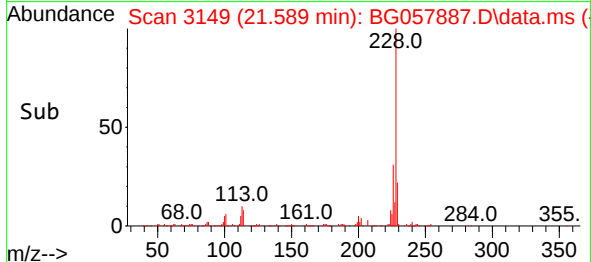
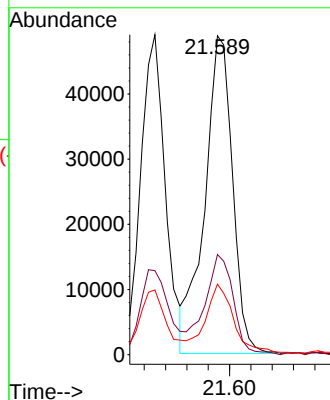
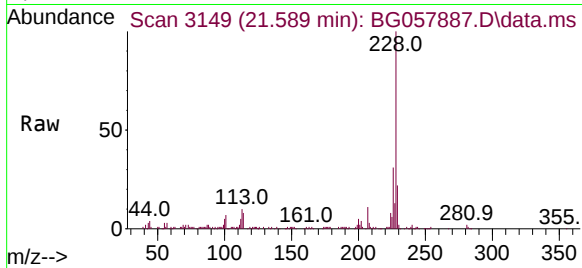
Tgt Ion:228 Resp: 88609

Ion Ratio Lower Upper

228 100

226 31.4 25.3 37.9

229 22.1 16.5 24.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.691 min Scan# 3677

Delta R.T. -0.015 min

Lab File: BG057887.D

Acq: 28 Jun 2023 11:06

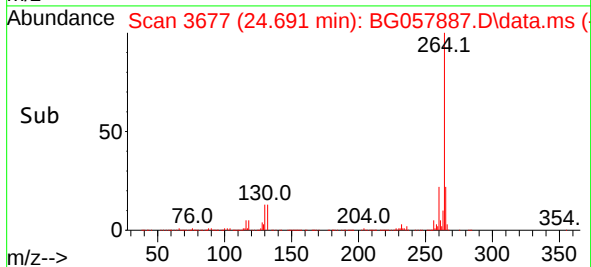
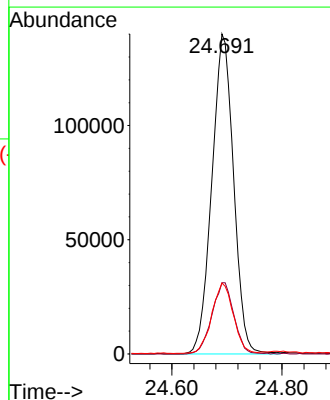
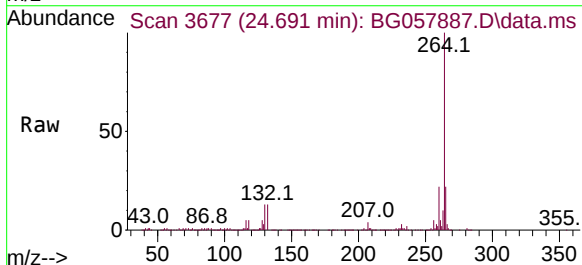
Tgt Ion:264 Resp: 384317

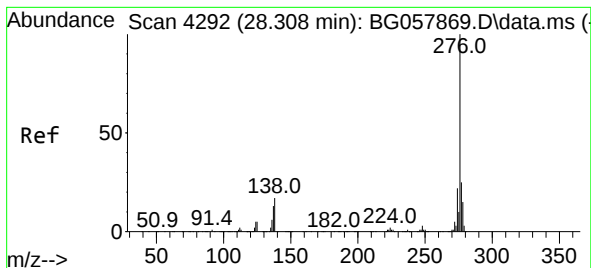
Ion Ratio Lower Upper

264 100

260 22.3 17.8 26.8

265 22.1 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.259 ng

RT: 28.257 min Scan# 41

Delta R.T. -0.050 min

Lab File: BG057887.D

Acq: 28 Jun 2023 11:06

Instrument :

BNA_G

ClientSampleId :

WC38

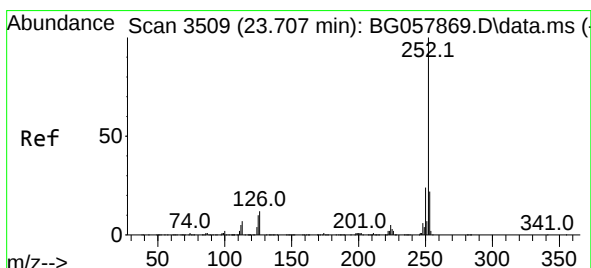
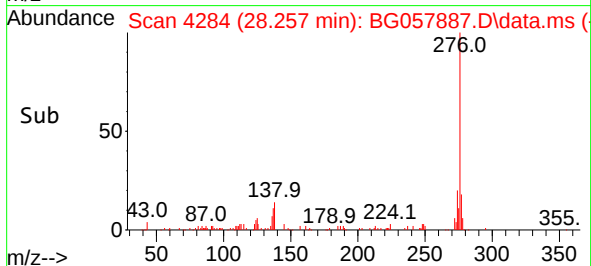
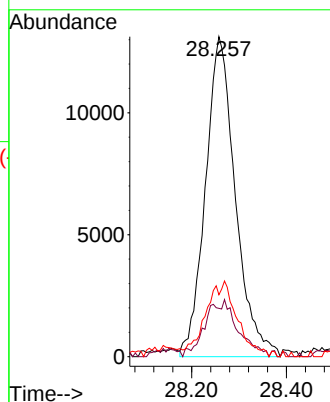
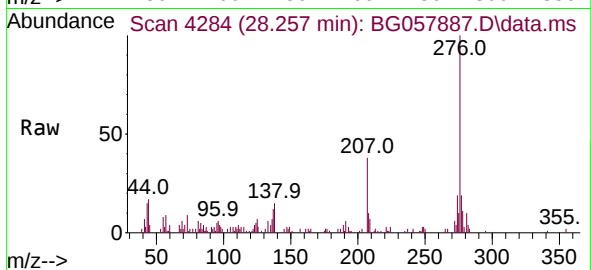
Tgt Ion:276 Resp: 57510

Ion Ratio Lower Upper

276 100

138 10.3 12.2 18.4#

277 9.5 20.4 30.6#



#88

Benzo(b)fluoranthene

Concen: 5.092 ng

RT: 23.692 min Scan# 3507

Delta R.T. -0.015 min

Lab File: BG057887.D

Acq: 28 Jun 2023 11:06

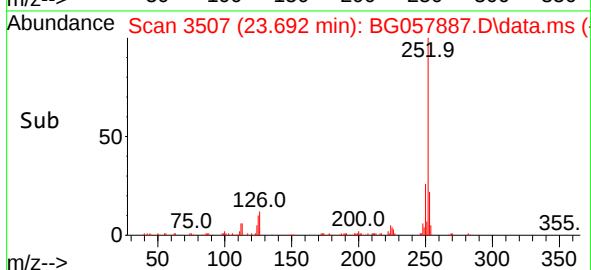
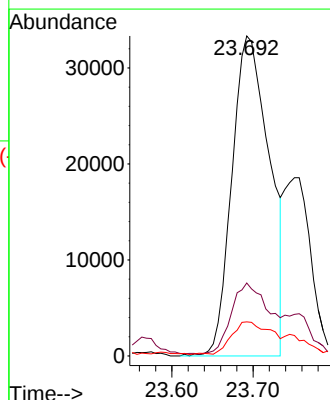
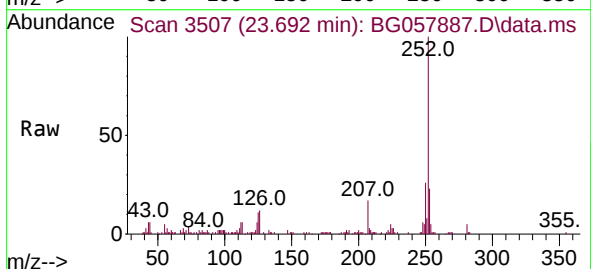
Tgt Ion:252 Resp: 106740

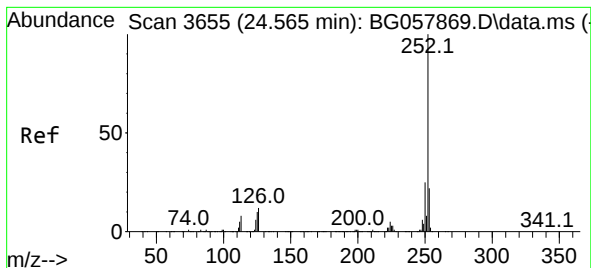
Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 10.6 7.7 11.5





#90

Benzo(a)pyrene

Concen: 3.674 ng

RT: 24.538 min Scan# 30

Delta R.T. -0.027 min

Lab File: BG057887.D

Acq: 28 Jun 2023 11:06

Instrument :

BNA_G

ClientSampleId :

WC38

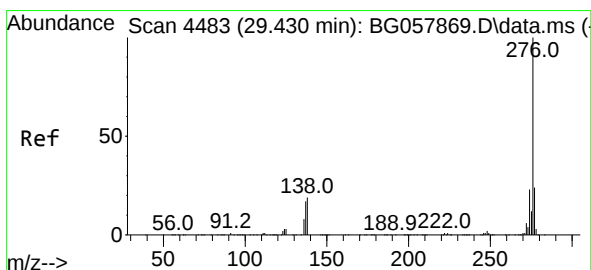
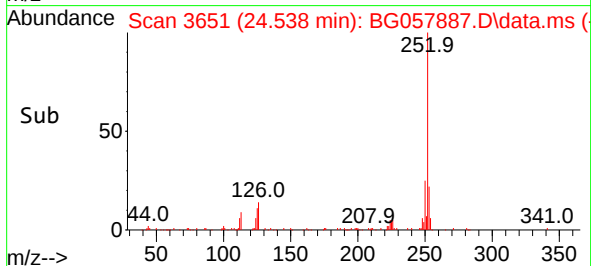
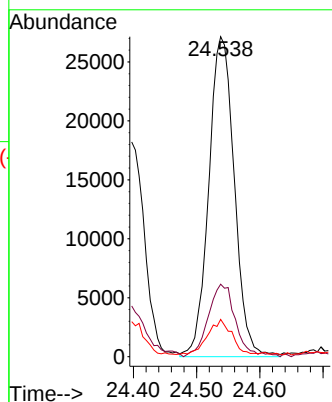
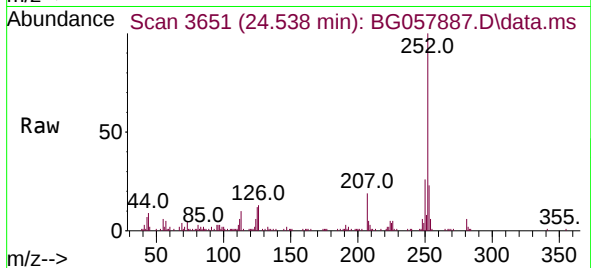
Tgt Ion:252 Resp: 76283

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 11.6 8.0 12.0



#92

Benzo(g,h,i)perylene

Concen: 2.508 ng

RT: 29.374 min Scan# 4474

Delta R.T. -0.056 min

Lab File: BG057887.D

Acq: 28 Jun 2023 11:06

Tgt Ion:276 Resp: 52642

Ion Ratio Lower Upper

276 100

277 22.5 19.4 29.2

138 22.6 15.0 22.6#

