

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 12:23:12 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)

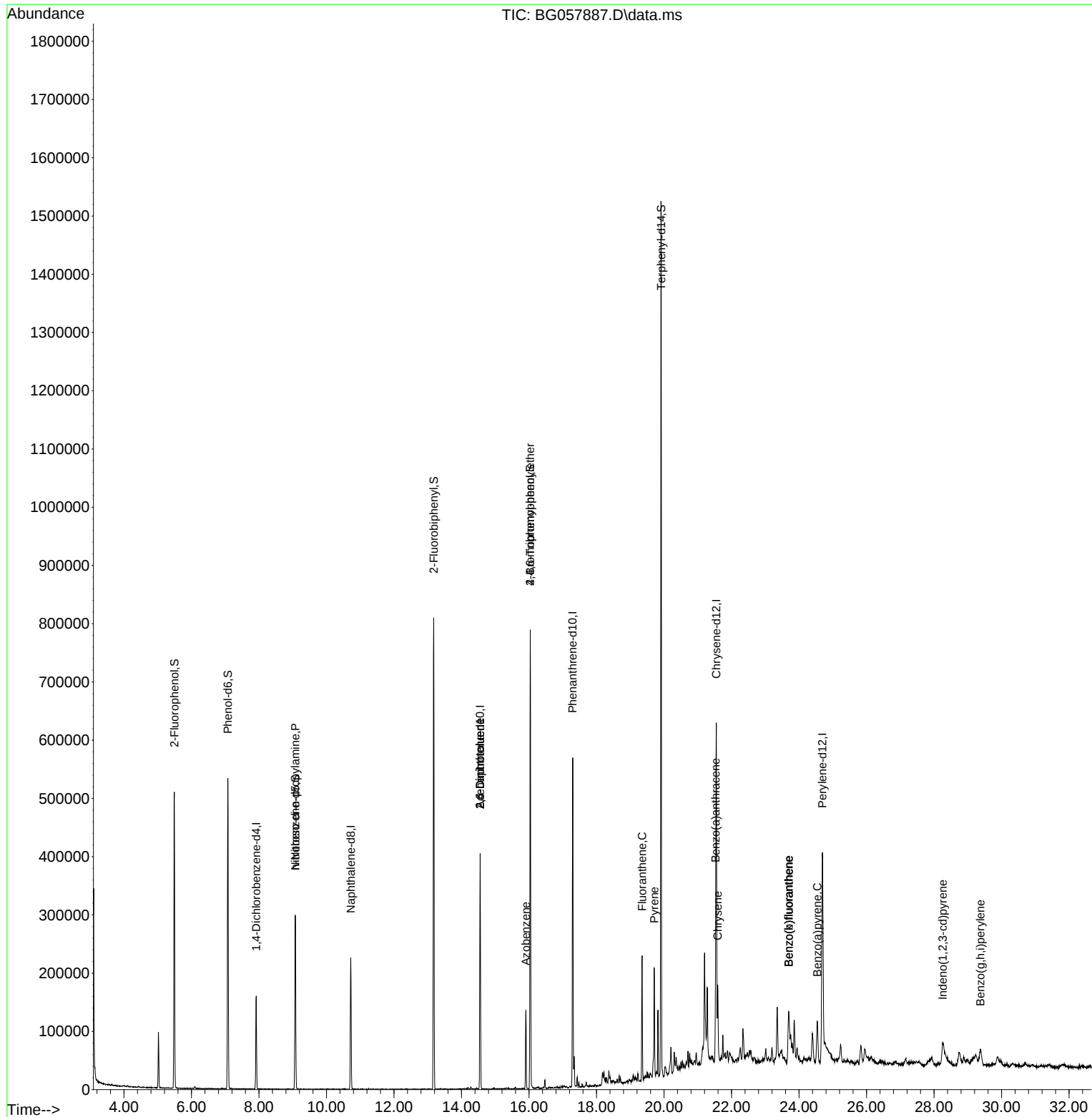
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.917	152	43559	20.000	ng	0.00
21) Naphthalene-d8	10.719	136	188627	20.000	ng	0.00
39) Acenaphthene-d10	14.550	164	141094	20.000	ng	0.00
64) Phenanthrene-d10	17.294	188	356973	20.000	ng	0.00
76) Chrysene-d12	21.548	240	311751	20.000	ng	0.00
86) Perylene-d12	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
9) Benzaldehyde	7.082	77	511	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	9.074	70	22562	7.920 ng	#	78
51) 2,6-Dinitrotoluene	14.550	165	18318	7.889 ng	#	24
57) 2,4-Dinitrotoluene	14.550	165	18318	5.437 ng	#	21
63) Azobenzene	15.907	77	39019	3.461 ng	#	1
67) 4-Bromophenyl-phenylether	16.036	248	10518	2.791 ng	#	1
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
89) Benzo(k)fluoranthene	23.692	252	106740	5.038 ng		99
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

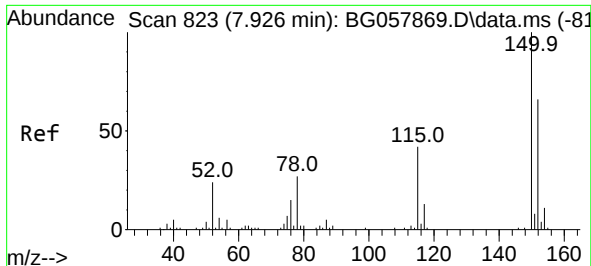
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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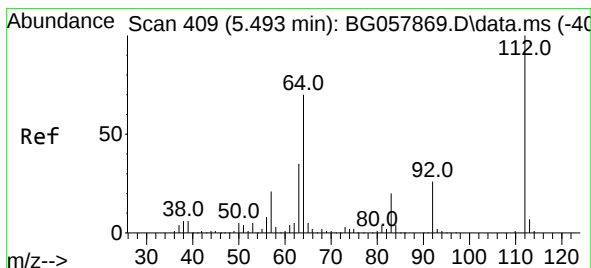
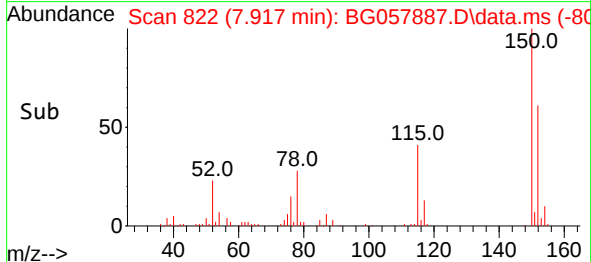
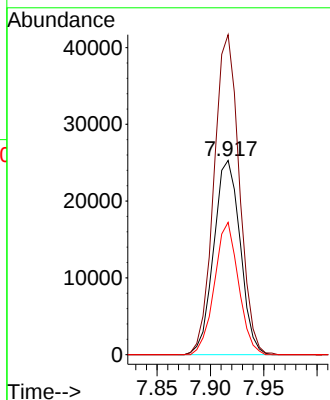
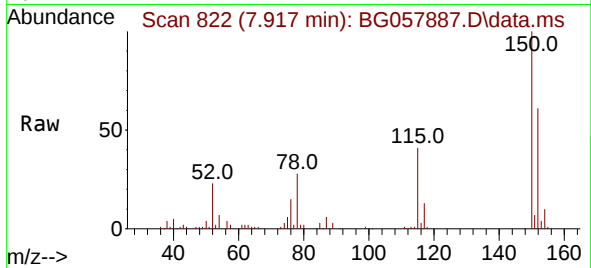




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.917 min Scan# 81
Delta R.T. -0.010 min
Lab File: BG057887.D
Acq: 28 Jun 2023 11:06

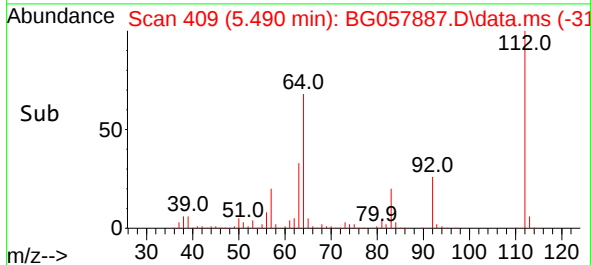
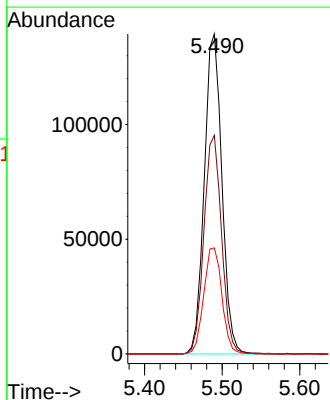
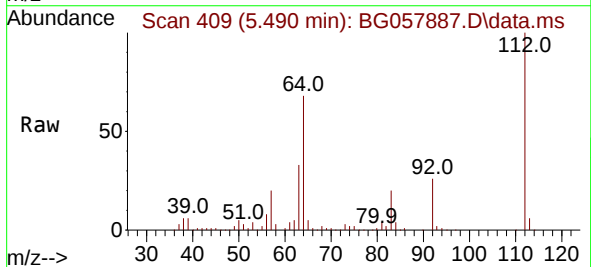
Instrument :
BNA_G
ClientSampleId :
WC38

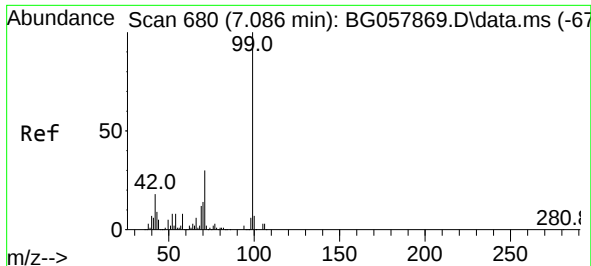
Tgt Ion:152 Resp: 43559
Ion Ratio Lower Upper
152 100
150 164.8 122.0 183.0
115 68.1 50.7 76.1



#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

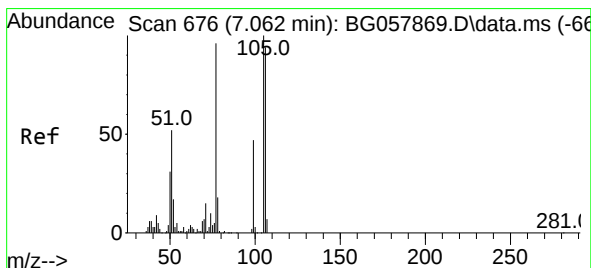
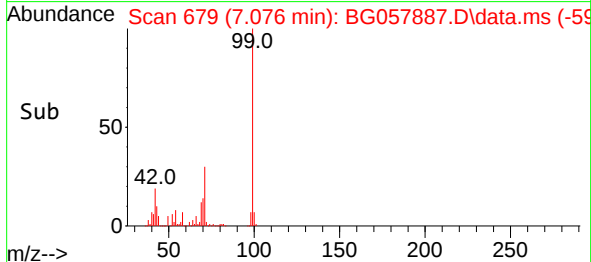
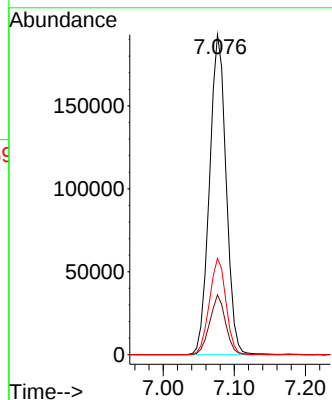
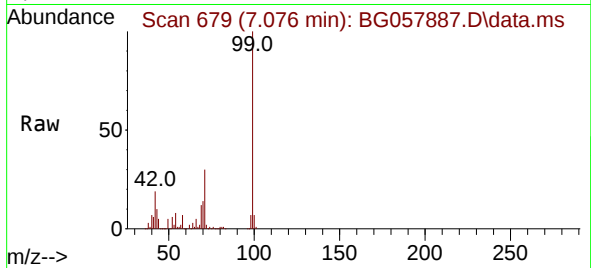




#7
Phenol-d6
Concen: 73.887 ng
RT: 7.076 min Scan# 61
Delta R.T. -0.009 min
Lab File: BG057887.D
Acq: 28 Jun 2023 11:06

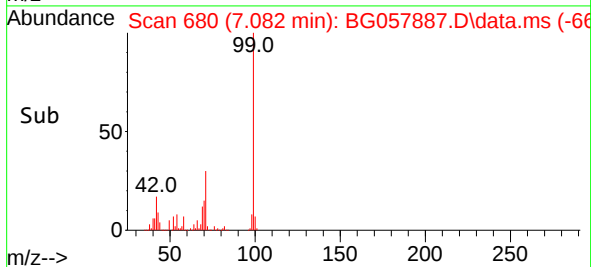
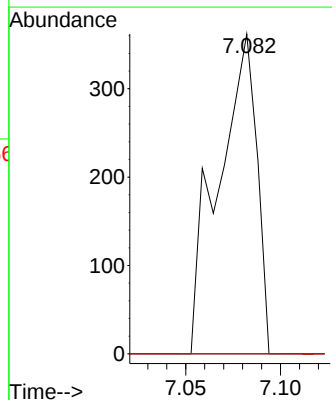
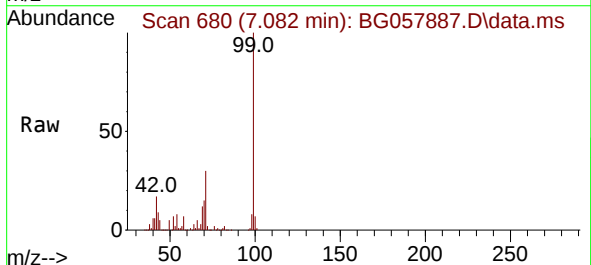
Instrument :
BNA_G
ClientSampleId :
WC38

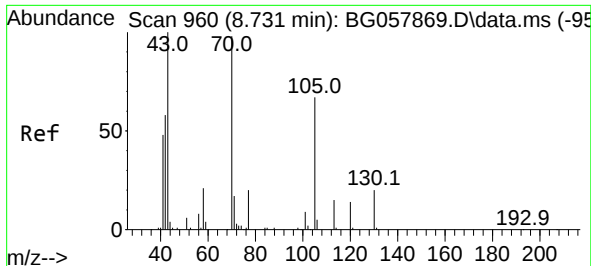
Tgt Ion: 99 Resp: 314556
Ion Ratio Lower Upper
99 100
42 18.7 14.2 21.4
71 30.1 23.9 35.9



#9
Benzaldehyde
Concen: Below Cal
RT: 7.082 min Scan# 680
Delta R.T. 0.020 min
Lab File: BG057887.D
Acq: 28 Jun 2023 11:06

Tgt Ion: 77 Resp: 511
Ion Ratio Lower Upper
77 100
105 0.0 83.7 123.7#
106 0.0 77.4 117.4#

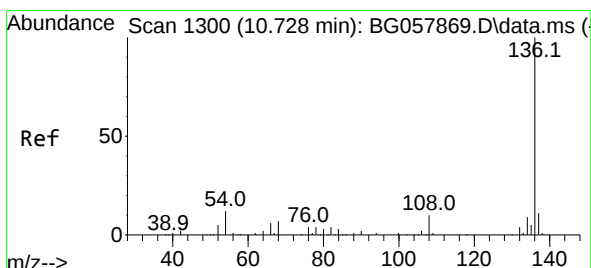
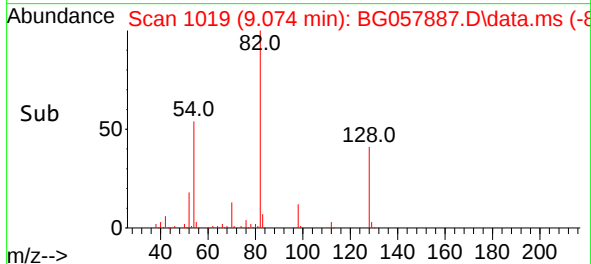
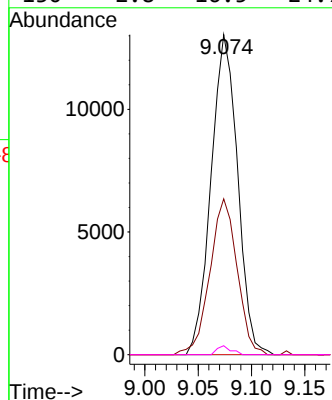
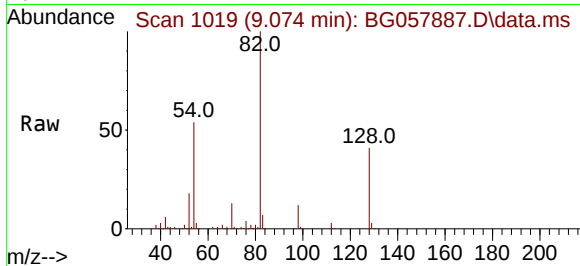




#19
n-Nitroso-di-n-propylamine
Concen: 7.920 ng
RT: 9.074 min Scan# 1019
Delta R.T. 0.343 min
Lab File: BG057887.D
Acq: 28 Jun 2023 11:06

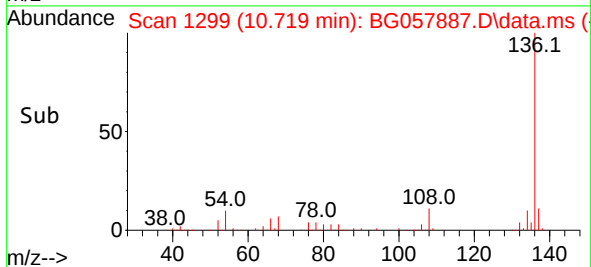
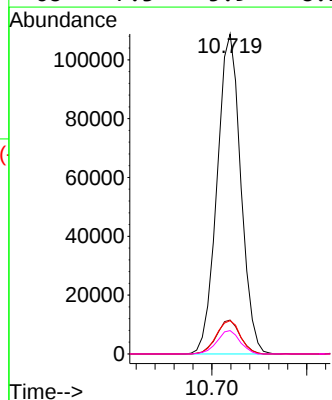
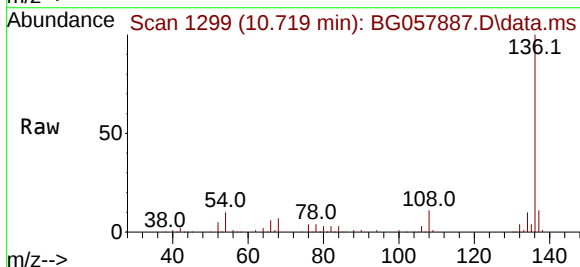
Instrument :
BNA_G
ClientSampleId :
WC38

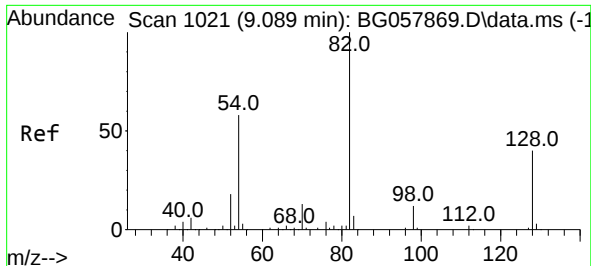
Tgt Ion:	70	Resp:	22562
Ion	Ratio	Lower	Upper
70	100		
42	48.7	48.4	72.6
101	0.0	7.2	10.8#
130	2.8	16.5	24.7#



#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

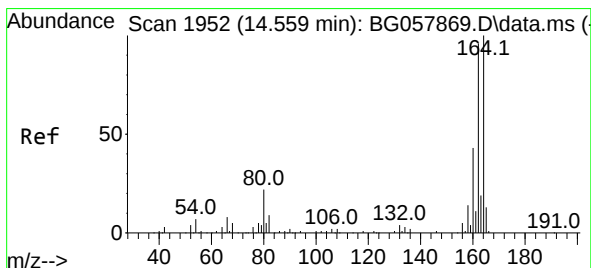
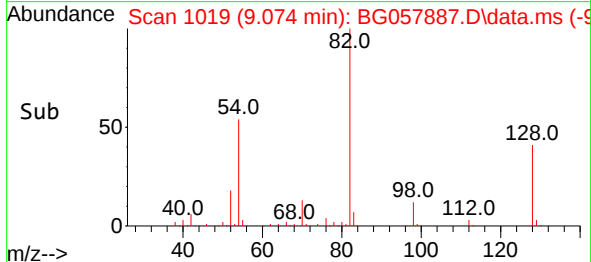
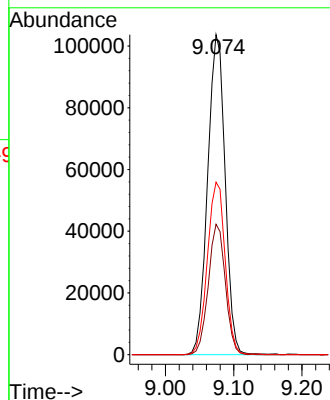
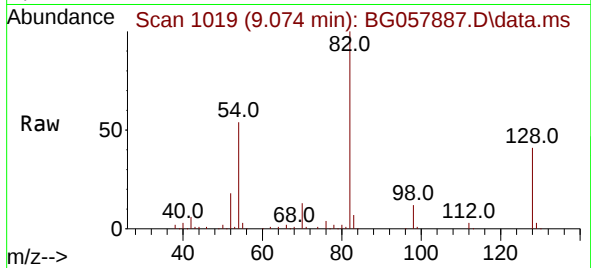




#23
Nitrobenzene-d5
Concen: 48.041 ng
RT: 9.074 min Scan# 1019
Delta R.T. -0.015 min
Lab File: BG057887.D
Acq: 28 Jun 2023 11:06

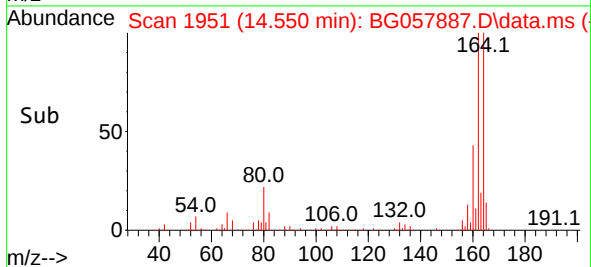
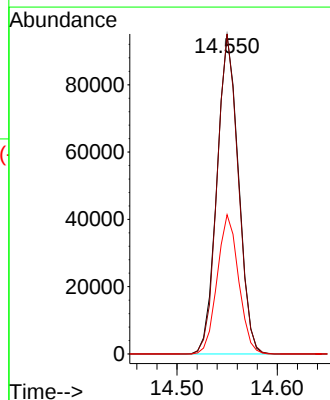
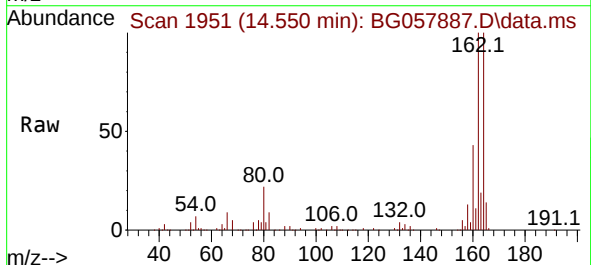
Instrument :
BNA_G
ClientSampleId :
WC38

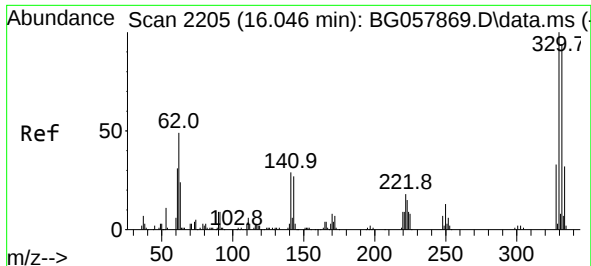
Tgt Ion: 82 Resp: 184906
Ion Ratio Lower Upper
82 100
128 40.7 32.2 48.4
54 53.9 46.1 69.1



#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

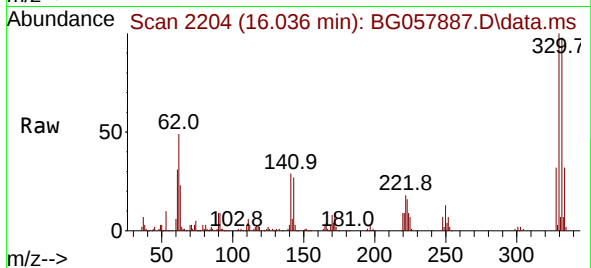
Tgt Ion:164 Resp: 141094
Ion Ratio Lower Upper
164 100
162 100.4 76.4 114.6
160 43.7 34.2 51.2



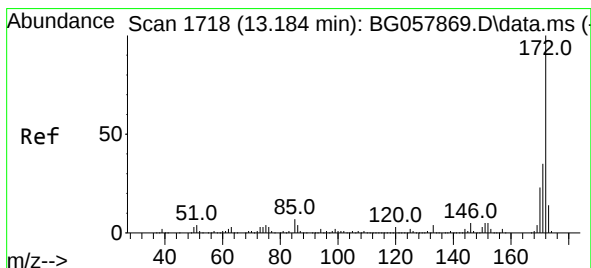
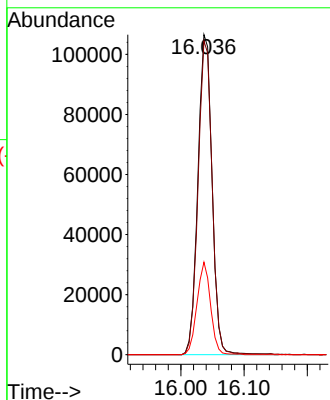
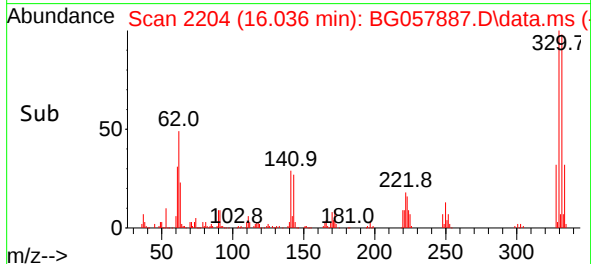


#42
2,4,6-Tribromophenol
Concen: 69.732 ng
RT: 16.036 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG057887.D
Acq: 28 Jun 2023 11:06

Instrument :
BNA_G
ClientSampleId :
WC38

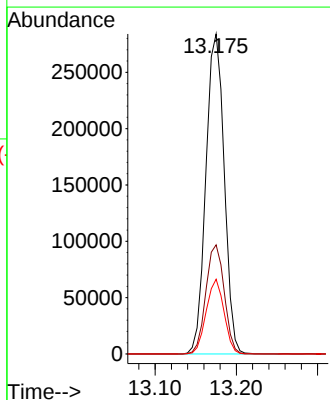
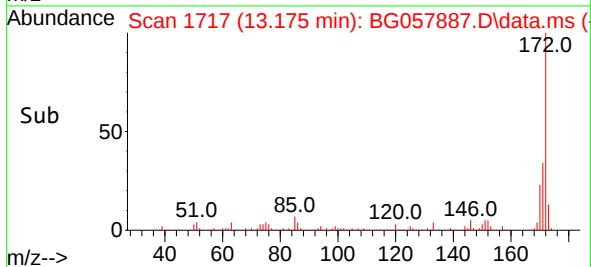
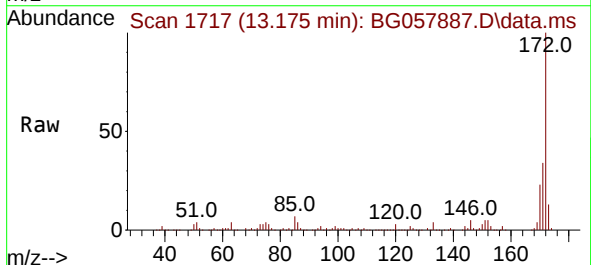


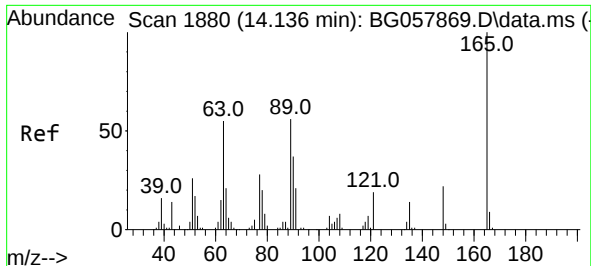
Tgt Ion:330 Resp: 165251
Ion Ratio Lower Upper
330 100
332 97.3 77.1 115.7
141 27.7 22.2 33.4



#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

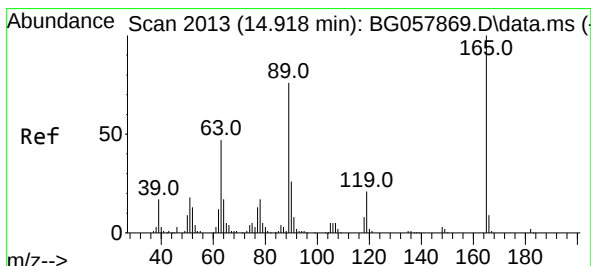
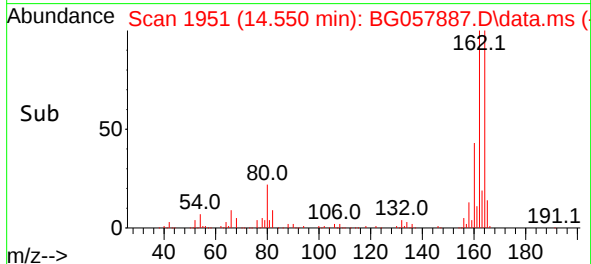
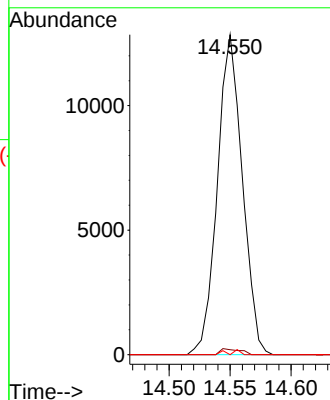
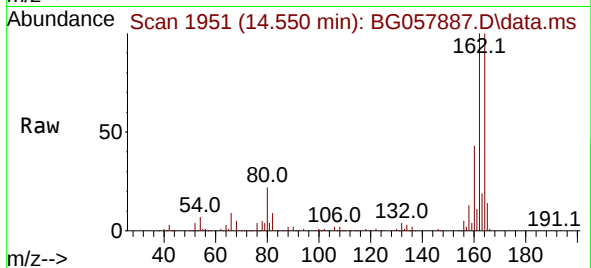




#51
2,6-Dinitrotoluene
Concen: 7.889 ng
RT: 14.550 min Scan# 1951
Delta R.T. 0.414 min
Lab File: BG057887.D
Acq: 28 Jun 2023 11:06

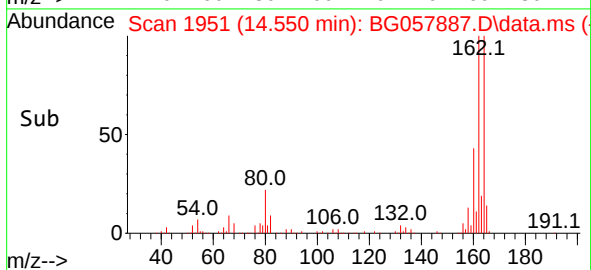
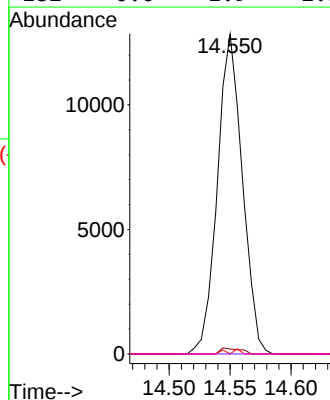
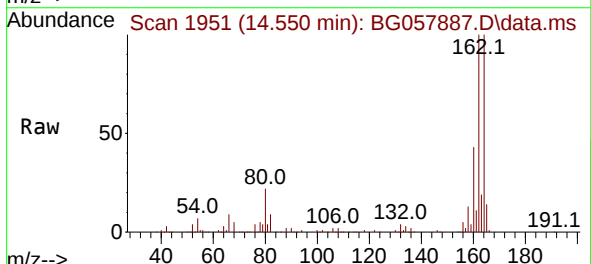
Instrument :
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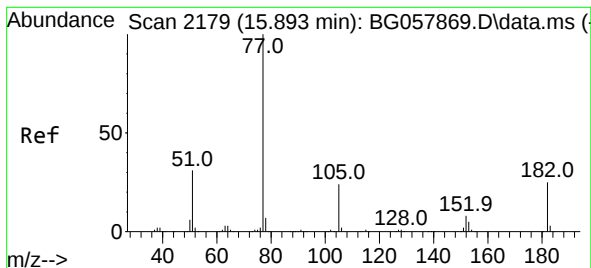
Tgt Ion:165 Resp: 18318
Ion Ratio Lower Upper
165 100
63 1.5 46.4 69.6#
89 0.0 45.0 67.6#



#57
2,4-Dinitrotoluene
Concen: 5.437 ng
RT: 14.550 min Scan# 1951
Delta R.T. -0.368 min
Lab File: BG057887.D
Acq: 28 Jun 2023 11:06

Tgt Ion:165 Resp: 18318
Ion Ratio Lower Upper
165 100
63 1.5 37.6 56.4#
89 0.0 61.0 91.4#
182 0.0 1.9 2.9#





#63

Azobenzene

Concen: 3.461 ng

RT: 15.907 min Scan# 2179

Delta R.T. 0.014 min

Lab File: BG057887.D

Acq: 28 Jun 2023 11:06

Instrument :

BNA_G

ClientSampleId :

WC38

Tgt Ion: 77 Resp: 39019

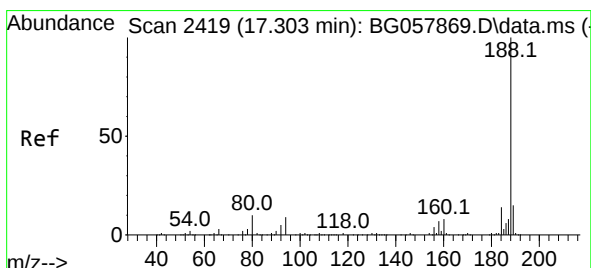
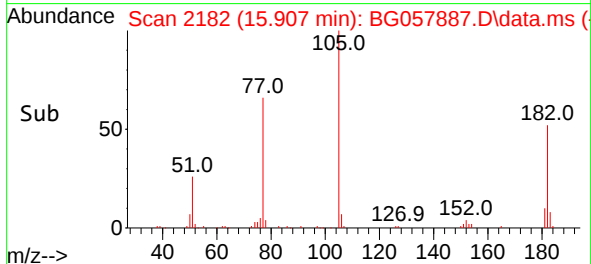
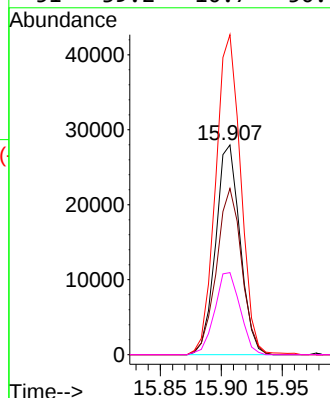
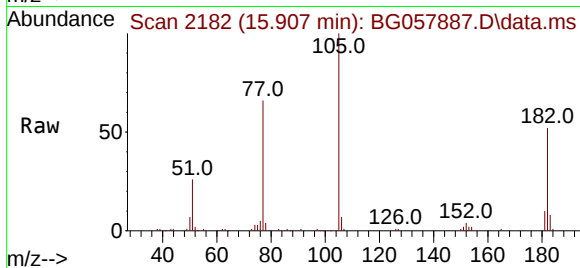
Ion Ratio Lower Upper

77 100

182 79.3 5.1 45.1#

105 152.6 3.9 43.9#

51 39.2 10.7 50.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.294 min Scan# 2418

Delta R.T. -0.009 min

Lab File: BG057887.D

Acq: 28 Jun 2023 11:06

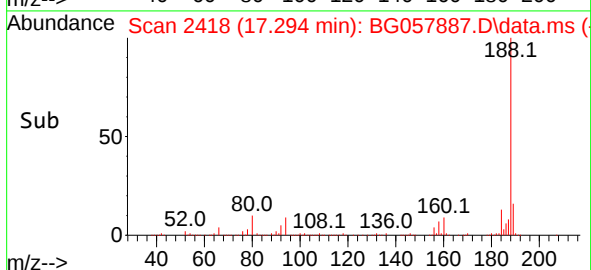
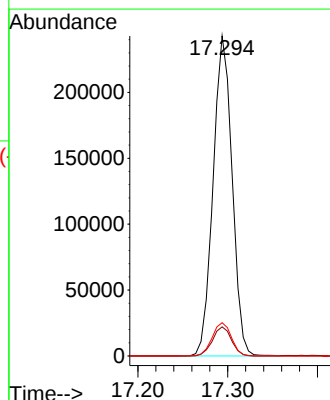
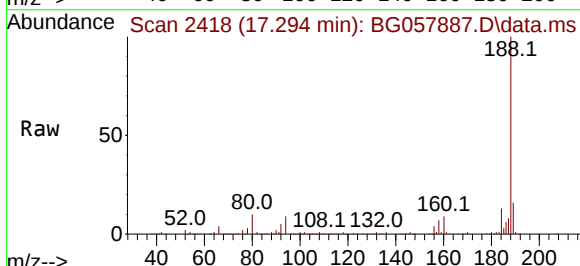
Tgt Ion:188 Resp: 356973

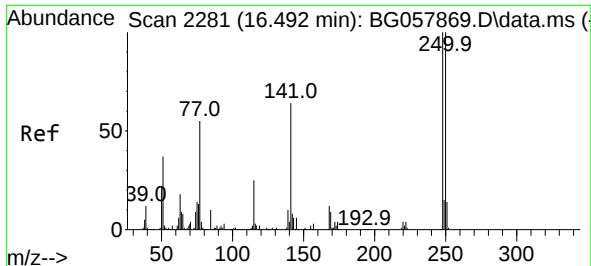
Ion Ratio Lower Upper

188 100

94 9.1 7.2 10.8

80 10.4 8.4 12.6

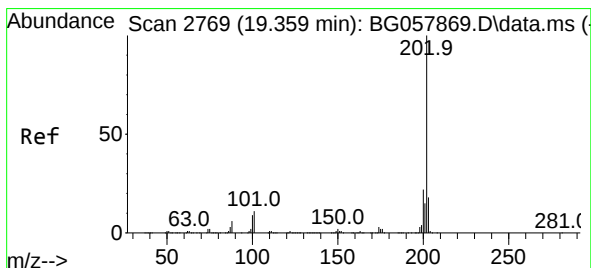
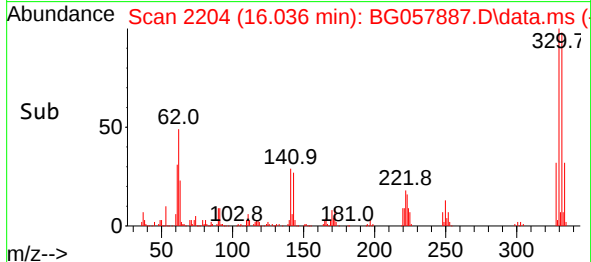
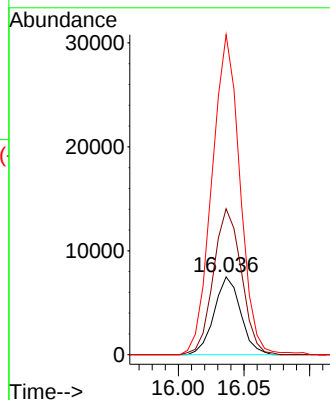
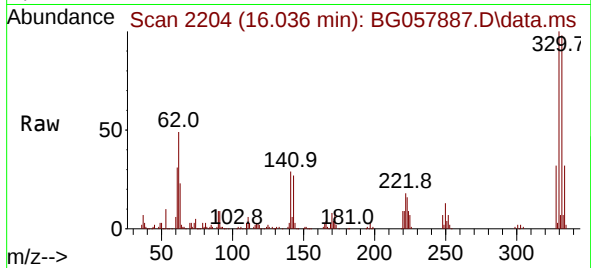




#67
4-Bromophenyl-phenylether
Concen: 2.791 ng
RT: 16.036 min Scan# 21
Delta R.T. -0.456 min
Lab File: BG057887.D
Acq: 28 Jun 2023 11:06

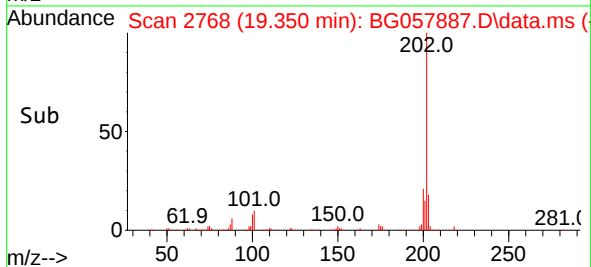
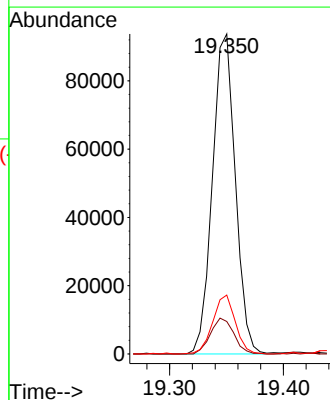
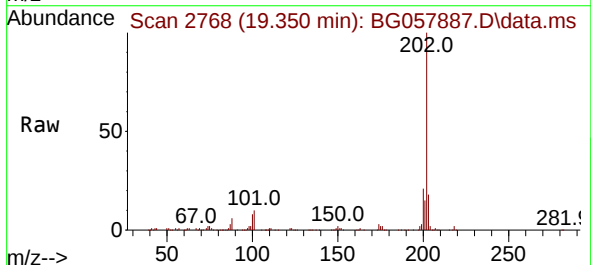
Instrument :
BNA_G
ClientSampleId :
WC38

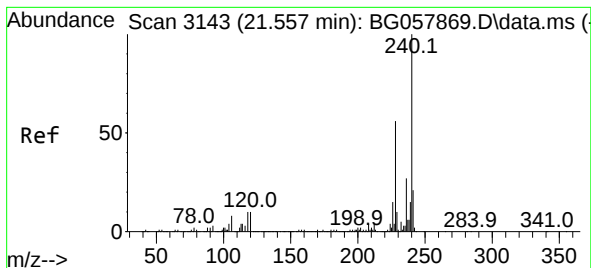
Tgt Ion:248 Resp: 10518
Ion Ratio Lower Upper
248 100
250 187.8 79.7 119.5#
141 411.9 50.8 76.2#



#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# 31

Delta R.T. -0.009 min

Lab File: BG057887.D

Acq: 28 Jun 2023 11:06

Instrument :

BNA_G

ClientSampleId :

WC38

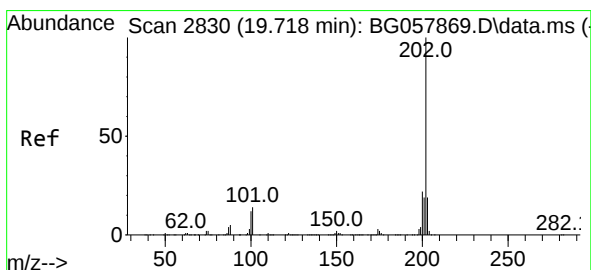
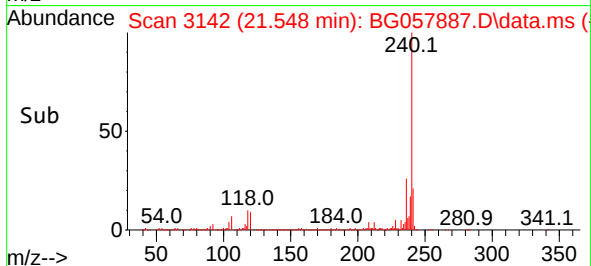
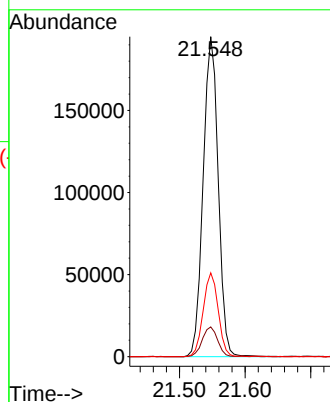
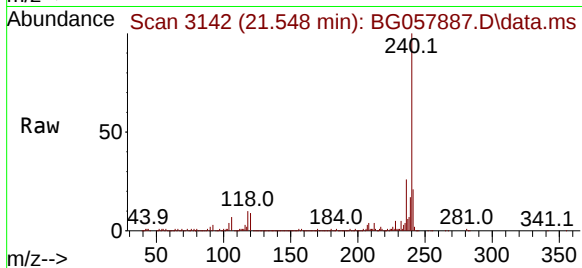
Tgt Ion:240 Resp: 311751

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

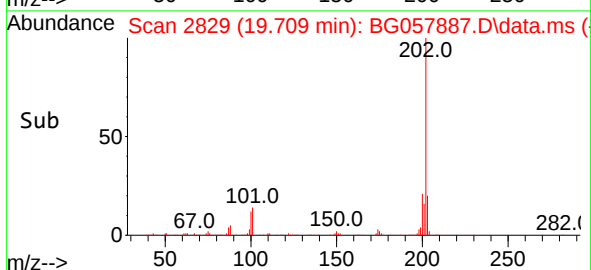
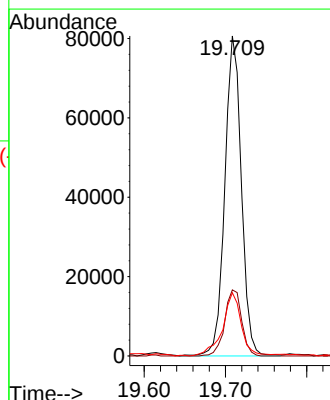
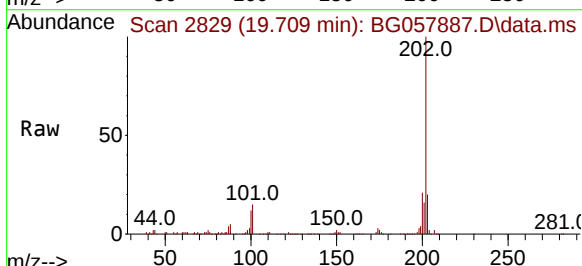
Tgt Ion:202 Resp: 114432

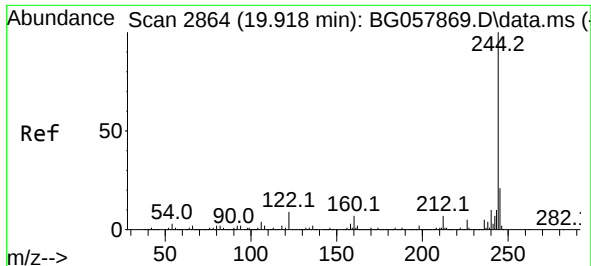
Ion Ratio Lower Upper

202 100

200 20.7 17.7 26.5

203 19.8 15.2 22.8

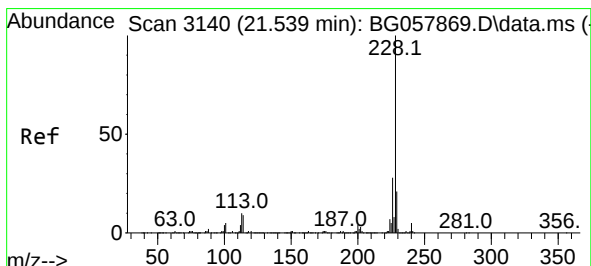
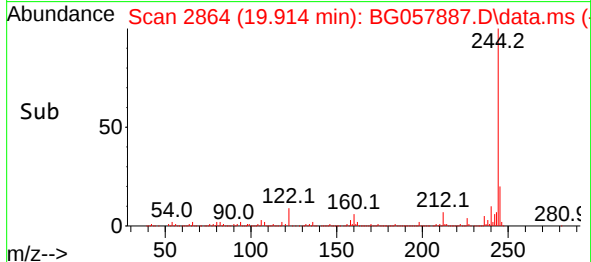
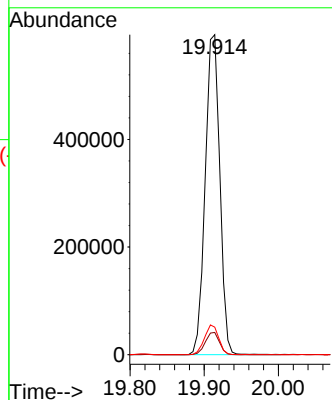
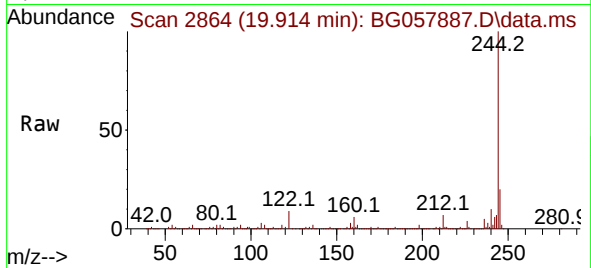




#79
 Terphenyl-d14
 Concen: 47.644 ng
 RT: 19.914 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG057887.D
 Acq: 28 Jun 2023 11:06

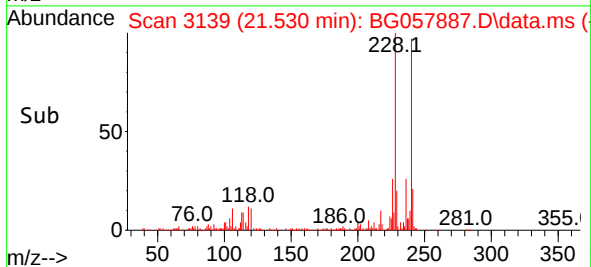
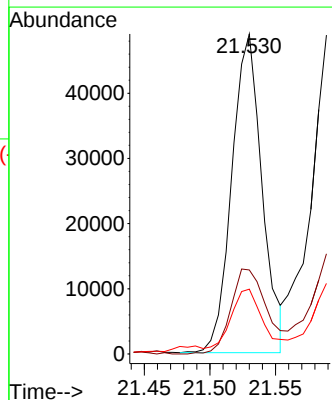
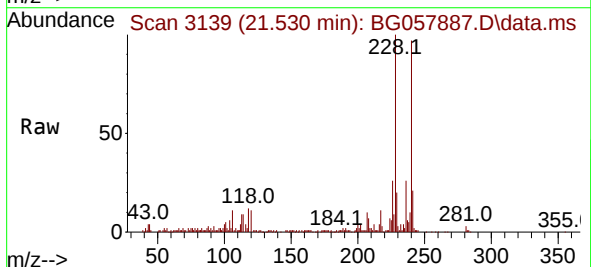
Instrument :
 BNA_G
 ClientSampleId :
 WC38

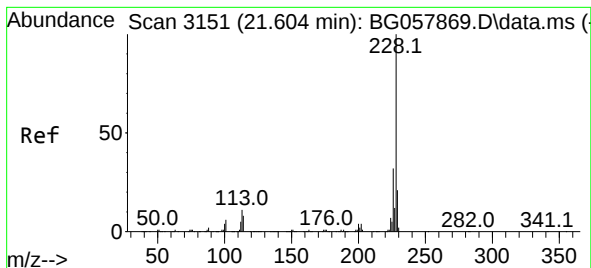
Tgt Ion:244 Resp: 814714
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 8.6 7.4 11.0



#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

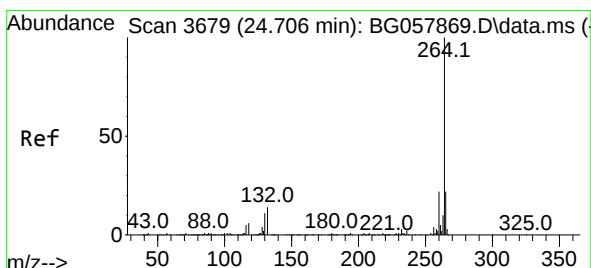
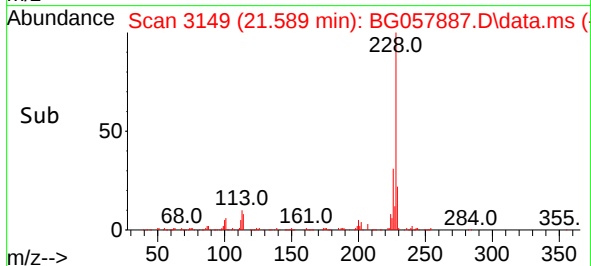
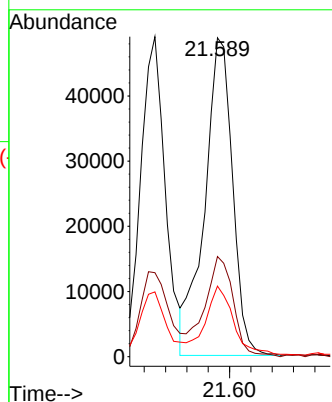
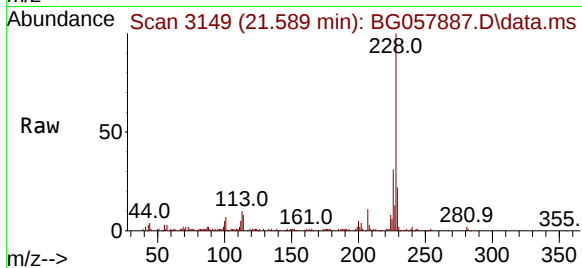
Tgt Ion:228 Resp: 88609

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

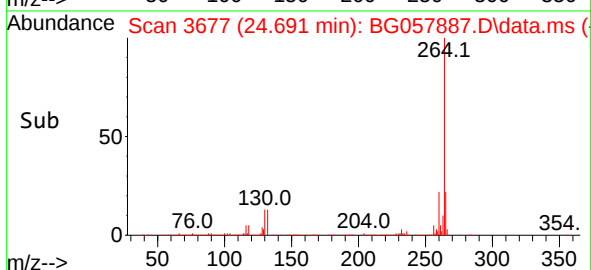
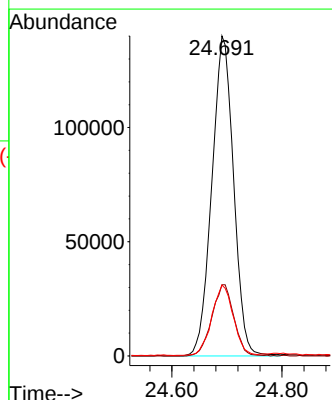
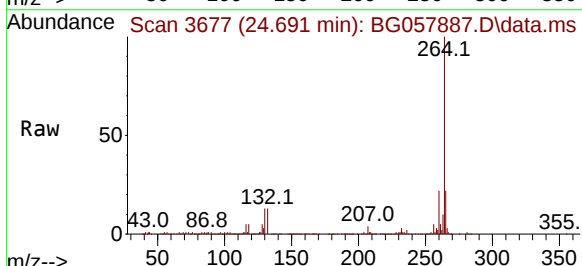
Tgt Ion:264 Resp: 384317

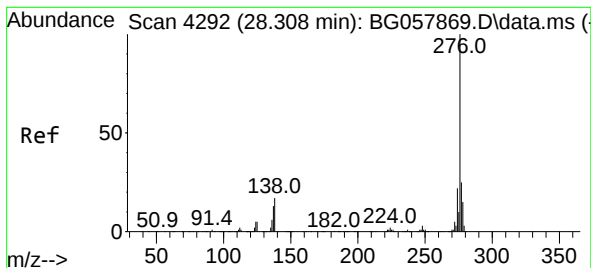
Ion Ratio Lower Upper

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

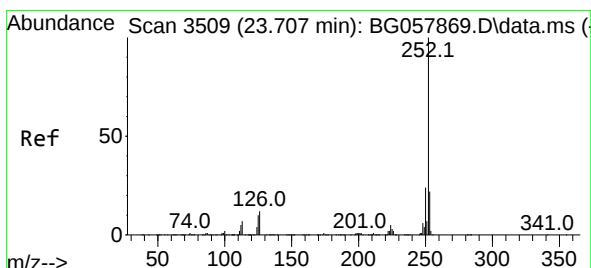
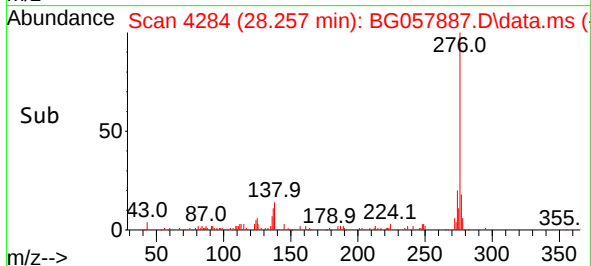
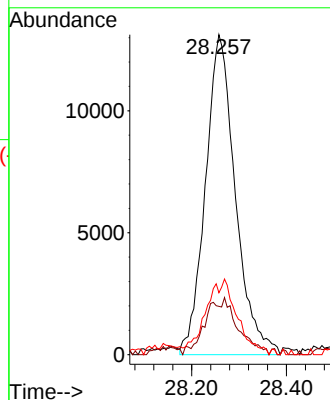
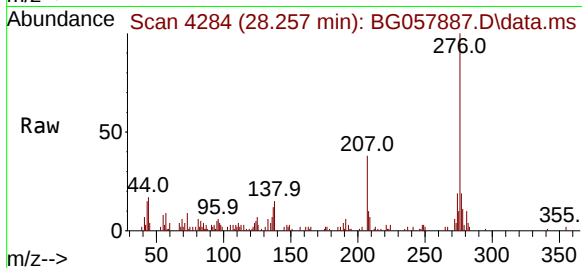
Tgt Ion:276 Resp: 57510

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

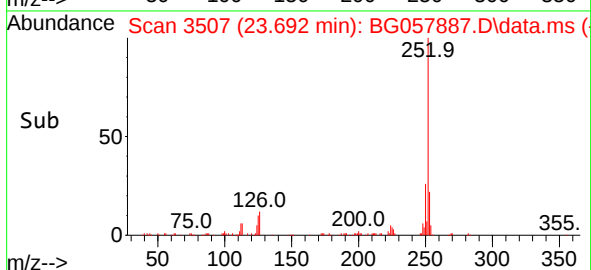
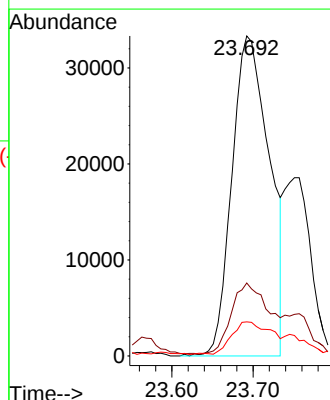
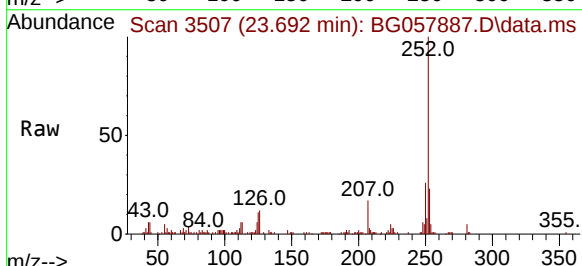
Tgt Ion:252 Resp: 106740

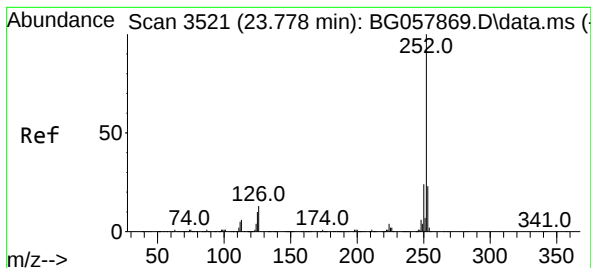
Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 10.6 7.7 11.5





#89

Benzo(k)fluoranthene

Concen: 5.038 ng

RT: 23.692 min Scan# 3507

Delta R.T. -0.086 min

Lab File: BG057887.D

Acq: 28 Jun 2023 11:06

Instrument :

BNA_G

ClientSampleId :

WC38

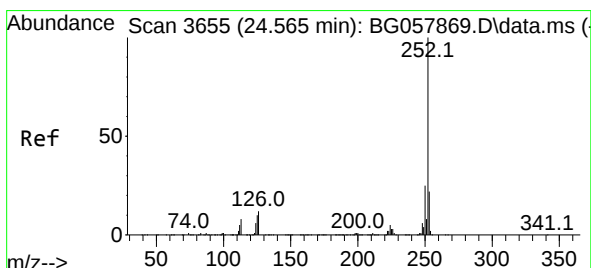
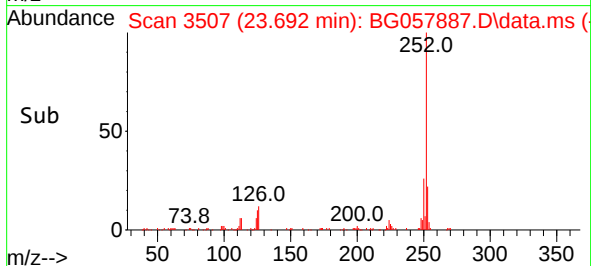
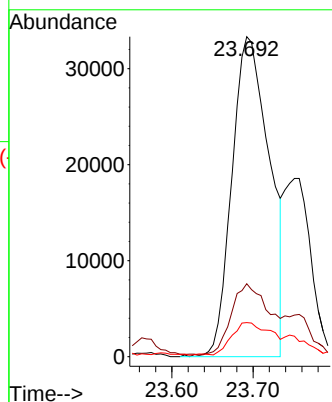
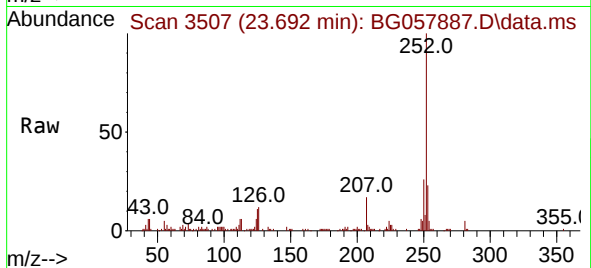
Tgt Ion:252 Resp: 106740

Ion Ratio Lower Upper

252 100

253 22.8 18.1 27.1

125 10.6 7.8 11.6



#90

Benzo(a)pyrene

Concen: 3.674 ng

RT: 24.538 min Scan# 3651

Delta R.T. -0.027 min

Lab File: BG057887.D

Acq: 28 Jun 2023 11:06

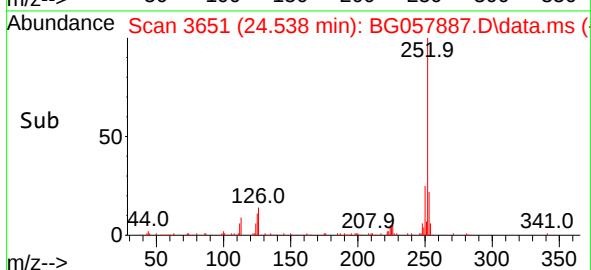
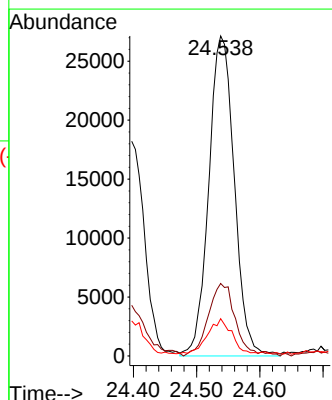
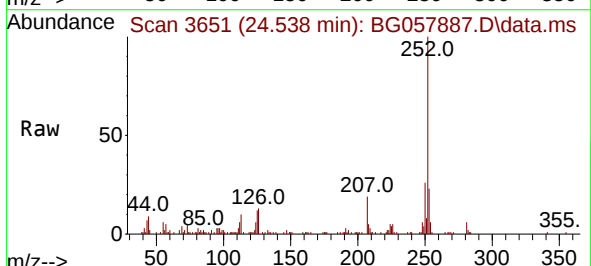
Tgt Ion:252 Resp: 76283

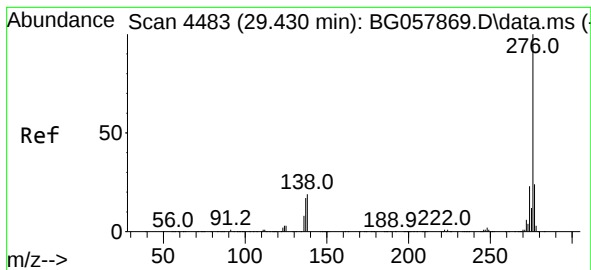
Ion Ratio Lower Upper

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# 44

Delta R.T. -0.056 min

Lab File: BG057887.D

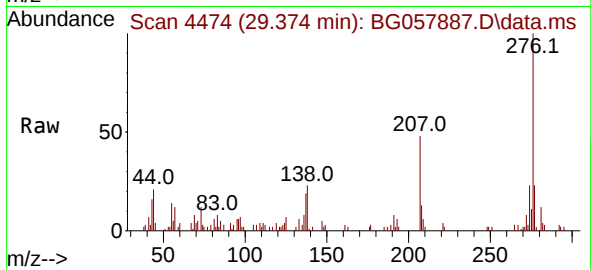
Acq: 28 Jun 2023 11:06

Instrument :

BNA_G

ClientSampleId :

WC38



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#

