

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042623\
 Data File : BG057194.D
 Acq On : 26 Apr 2023 16:05
 Operator : CG/JU
 Sample : 02270-09DL 100X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-25-10-12-20230411DL

Quant Time: Apr 27 03:06:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 27 03:02:41 2023
 Response via : Initial Calibration

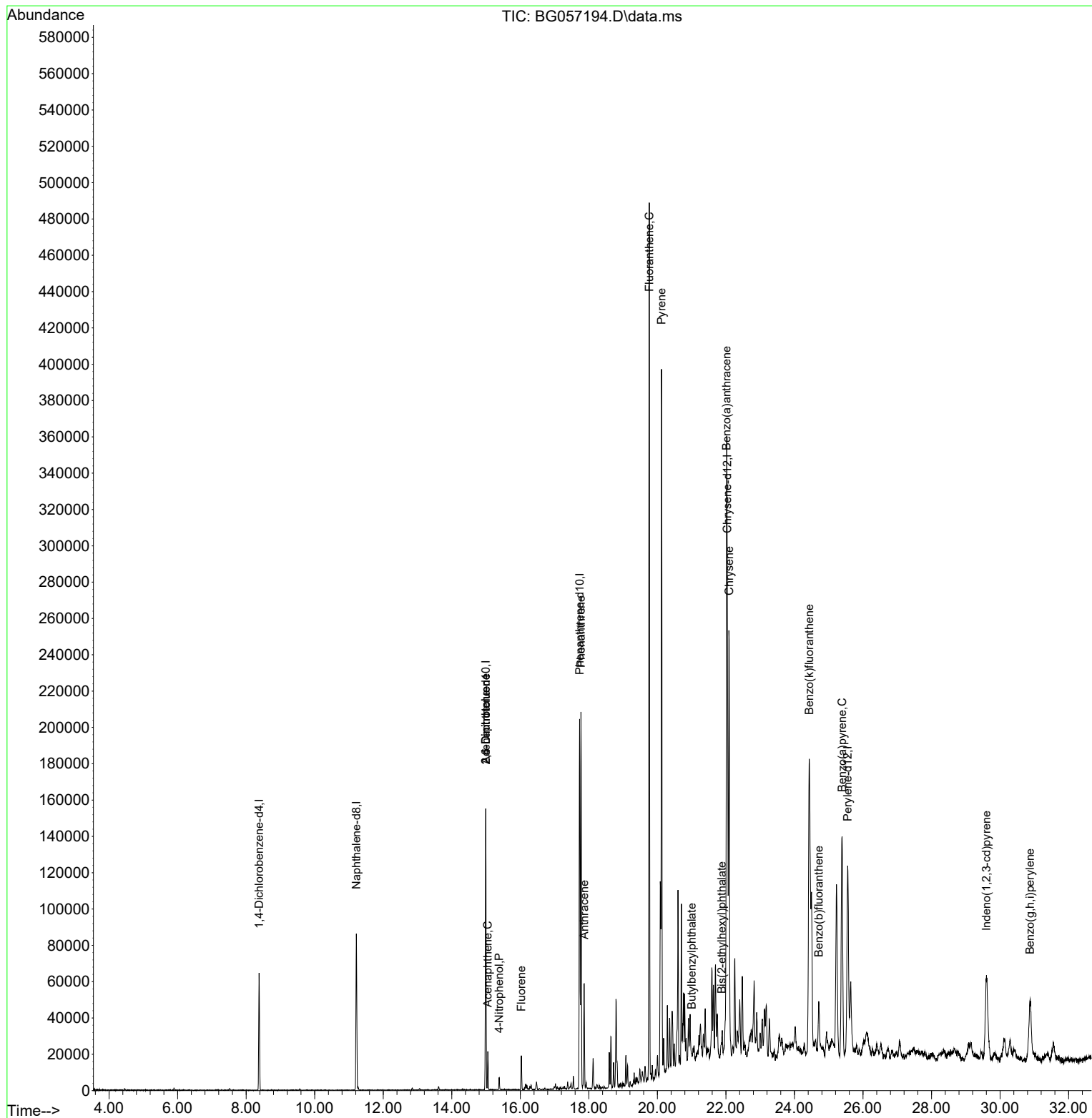
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.378	152	17562	20.000	ng	0.00
21) Naphthalene-d8	11.215	136	71571	20.000	ng	0.00
39) Acenaphthene-d10	14.993	164	54402	20.000	ng	0.00
64) Phenanthrene-d10	17.730	188	137456	20.000	ng	0.00
76) Chrysene-d12	22.042	240	124293	20.000	ng	# 0.00
86) Perylene-d12	25.555	264	130842	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.899	112	749	0.773	ng	0.00
7) Phenol-d6	7.514	99	1002	0.715	ng	0.00
23) Nitrobenzene-d5	9.553	82	627	0.433	ng	0.00
42) 2,4,6-Tribromophenol	16.479	330	334	0.465	ng	0.00
45) 2-Fluorobiphenyl	13.612	172	1790	0.442	ng	0.00
79) Terphenyl-d14	20.297	244	3573	0.503	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.993	165	7089	8.895	ng	# 21
52) Acenaphthene	15.051	154	8500	2.678	ng	91
56) 4-Nitrophenol	15.386	139	1949	3.499	ng	# 2
57) 2,4-Dinitrotoluene	14.993	165	7089	6.532	ng	# 21
58) Fluorene	16.032	166	9449	2.282	ng	98
71) Phenanthrene	17.771	178	131000	18.668	ng	99
72) Anthracene	17.865	178	40041	5.643	ng	98
75) Fluoranthene	19.763	202	321855	36.918	ng	98
78) Pyrene	20.121	202	271657	32.191	ng	100
80) Butylbenzylphthalate	21.002	149	54	3.237	ng	# 25
81) Benzo(a)anthracene	22.018	228	194713	22.785	ng	99
83) Chrysene	22.095	228	181436	22.015	ng	97
84) Bis(2-ethylhexyl)phtha...	21.877	149	537	3.678	ng	# 53
87) Indeno(1,2,3-cd)pyrene	29.602	276	82720	8.826	ng	# 77
88) Benzo(b)fluoranthene	24.709	252	26559	3.238	ng	94
89) Benzo(k)fluoranthene	24.433	252	240853	28.390	ng	96
90) Benzo(a)pyrene	25.390	252	154082	19.073	ng	96
92) Benzo(g,h,i)perylene	30.877	276	76718	9.964	ng	# 94

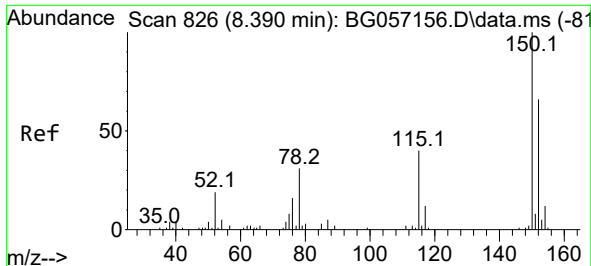
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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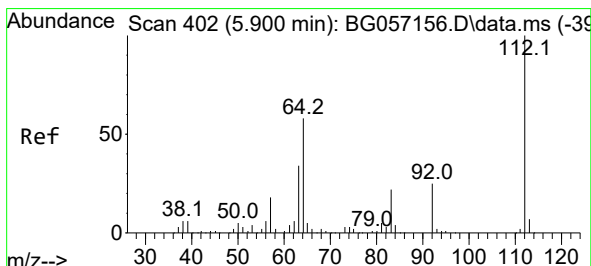
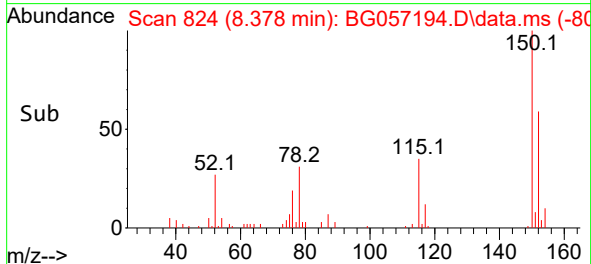
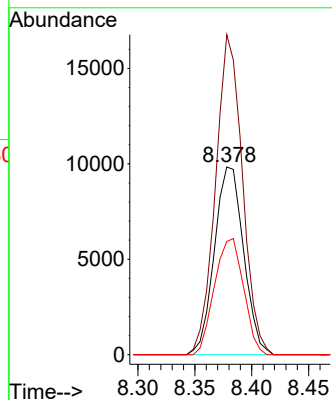
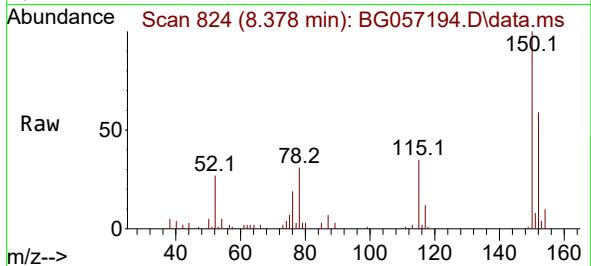




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.378 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG057194.D
Acq: 26 Apr 2023 16:05

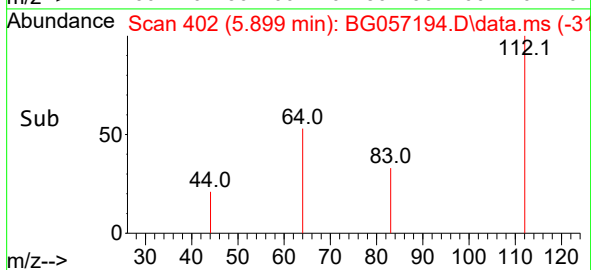
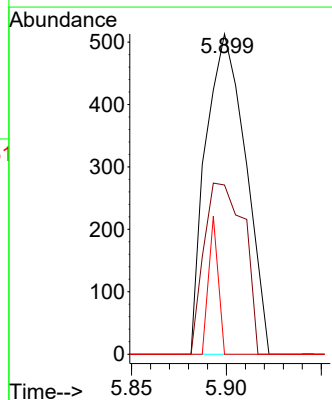
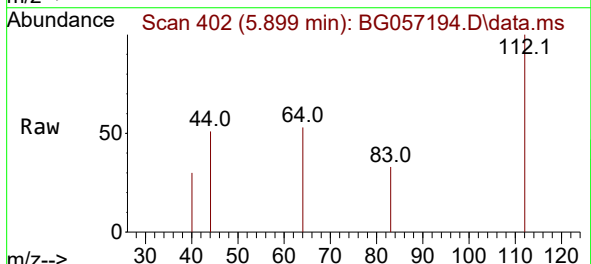
Instrument :
BNA_G
ClientSampleId :
SB-25-10-12-20230411DL

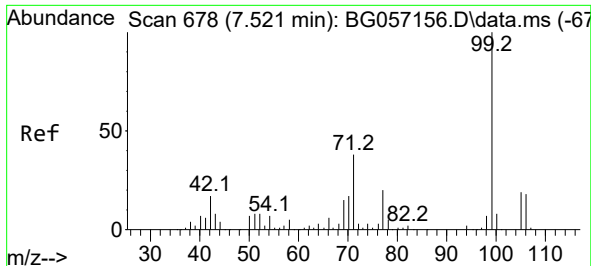
Tgt Ion:152 Resp: 17562
Ion Ratio Lower Upper
152 100
150 170.5 121.4 182.2
115 60.3 48.1 72.1



#5
2-Fluorophenol
Concen: 0.773 ng
RT: 5.899 min Scan# 402
Delta R.T. 0.006 min
Lab File: BG057194.D
Acq: 26 Apr 2023 16:05

Tgt Ion:112 Resp: 749
Ion Ratio Lower Upper
112 100
64 52.8 46.7 70.1
63 0.0 26.9 40.3#

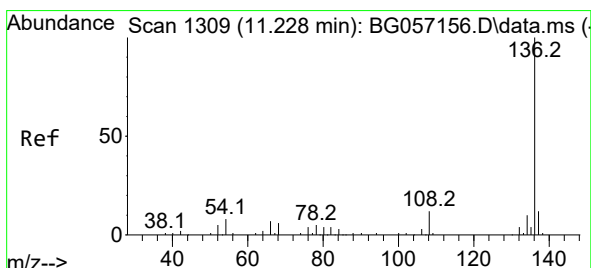
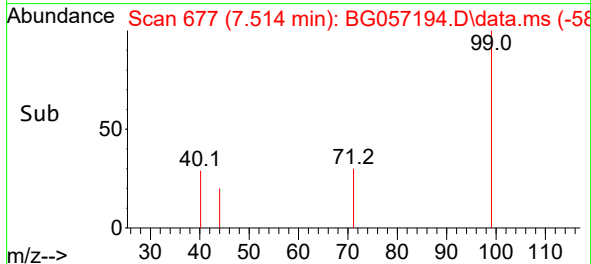
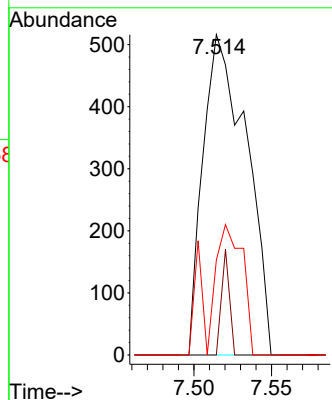
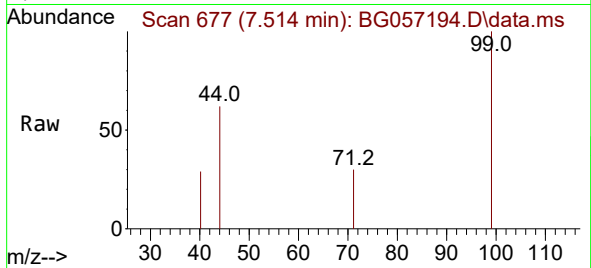




#7
Phenol-d6
Concen: 0.715 ng
RT: 7.514 min Scan# 61
Delta R.T. -0.005 min
Lab File: BG057194.D
Acq: 26 Apr 2023 16:05

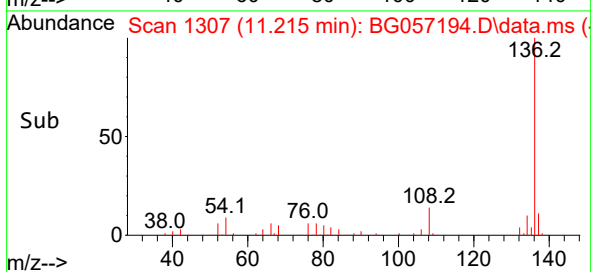
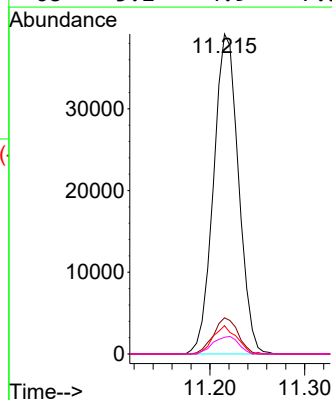
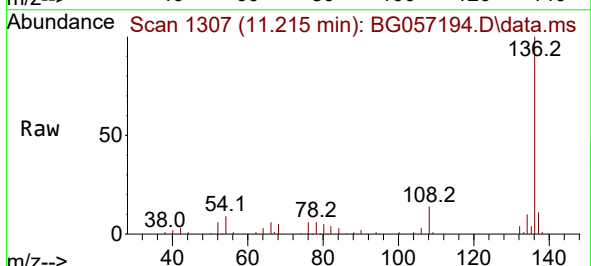
Instrument :
BNA_G
ClientSampleId :
SB-25-10-12-20230411DL

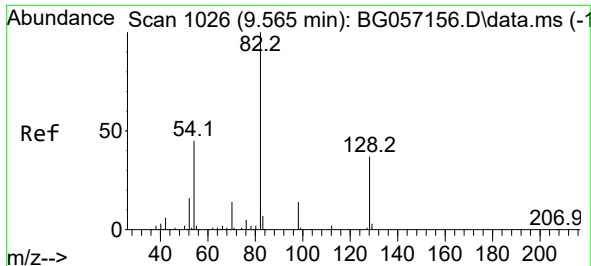
Tgt Ion: 99 Resp: 1002
Ion Ratio Lower Upper
99 100
42 0.0 13.4 20.0#
71 29.7 30.2 45.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.215 min Scan# 1307
Delta R.T. -0.005 min
Lab File: BG057194.D
Acq: 26 Apr 2023 16:05

Tgt Ion:136 Resp: 71571
Ion Ratio Lower Upper
136 100
137 11.3 9.5 14.3
54 8.9 6.4 9.6
68 5.2 4.9 7.3

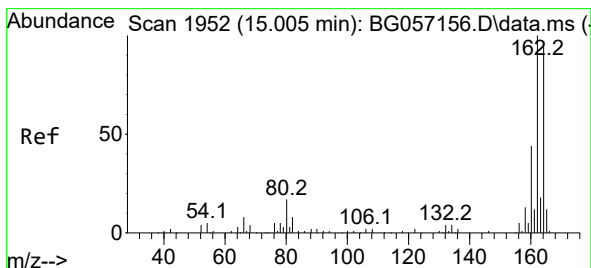
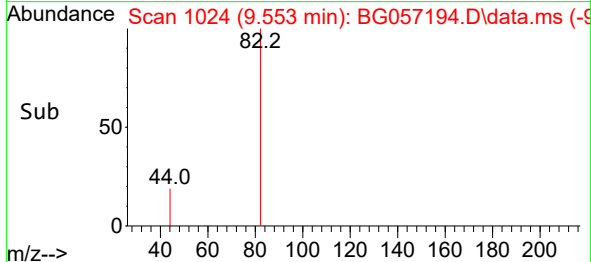
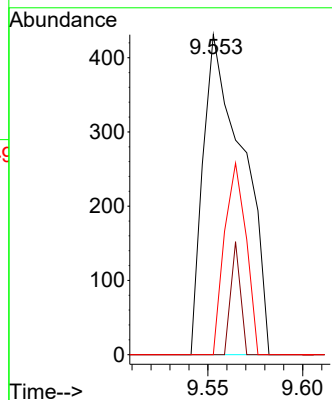
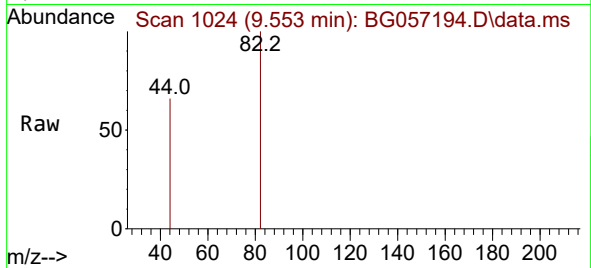




#23
Nitrobenzene-d5
Concen: 0.433 ng
RT: 9.553 min Scan# 1024
Delta R.T. -0.005 min
Lab File: BG057194.D
Acq: 26 Apr 2023 16:05

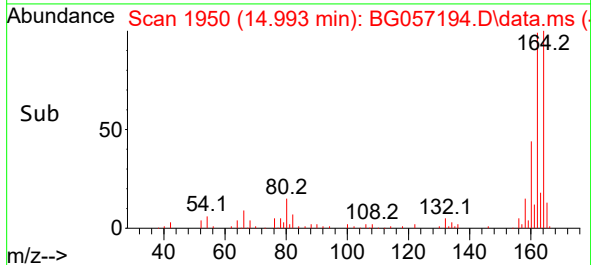
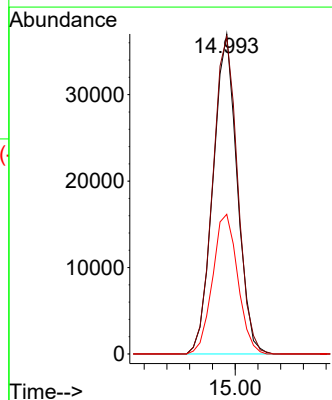
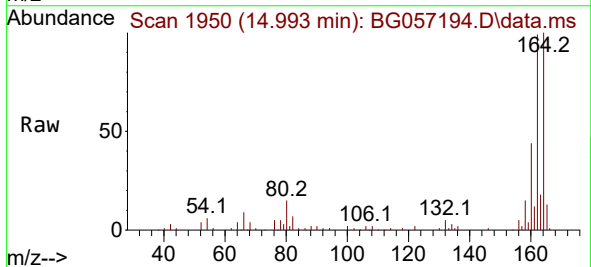
Instrument :
BNA_G
ClientSampleId :
SB-25-10-12-20230411DL

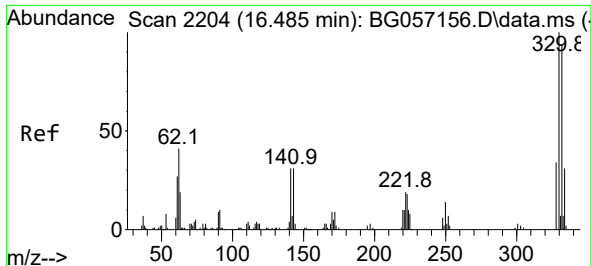
Tgt Ion: 82 Resp: 627
Ion Ratio Lower Upper
82 100
128 0.0 29.4 44.2#
54 0.0 36.2 54.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.993 min Scan# 1950
Delta R.T. 0.001 min
Lab File: BG057194.D
Acq: 26 Apr 2023 16:05

Tgt Ion: 164 Resp: 54402
Ion Ratio Lower Upper
164 100
162 99.2 82.4 123.6
160 43.7 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 0.465 ng

RT: 16.479 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG057194.D

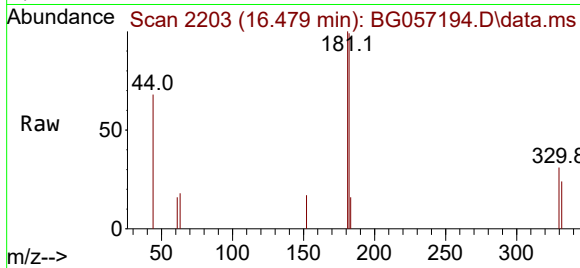
Acq: 26 Apr 2023 16:05

Instrument :

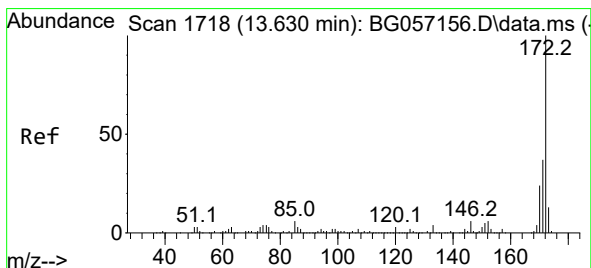
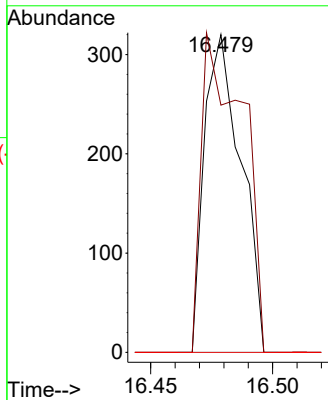
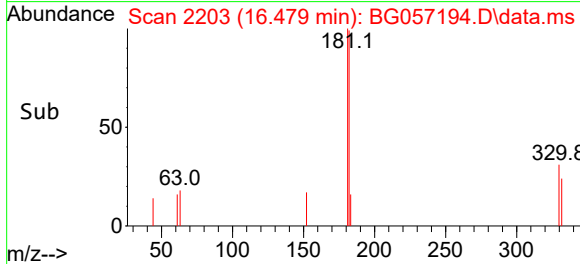
BNA_G

ClientSampleId :

SB-25-10-12-20230411DL



Tgt Ion:	330	Resp:	334
Ion	Ratio	Lower	Upper
330	100		
332	113.5	77.6	116.4
141	0.0	26.0	39.0



#45

2-Fluorobiphenyl

Concen: 0.442 ng

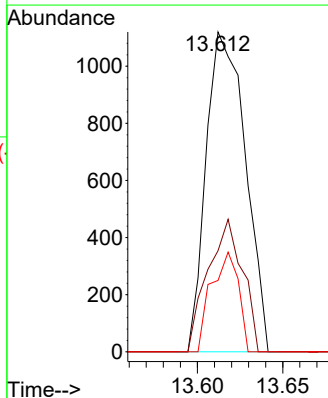
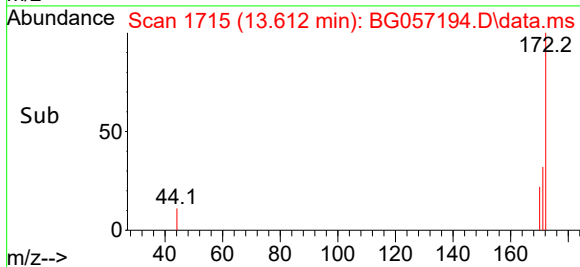
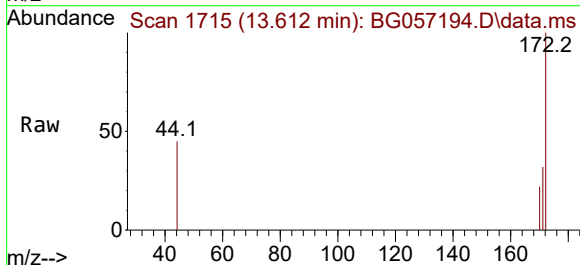
RT: 13.612 min Scan# 1715

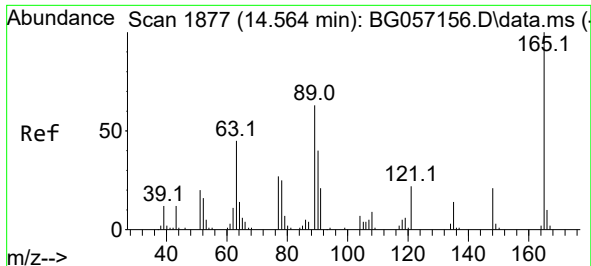
Delta R.T. -0.005 min

Lab File: BG057194.D

Acq: 26 Apr 2023 16:05

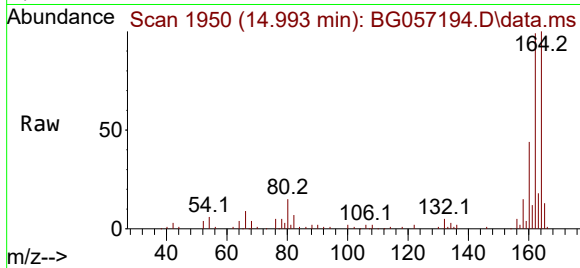
Tgt Ion:	172	Resp:	1790
Ion	Ratio	Lower	Upper
172	100		
171	31.6	29.2	43.8
170	22.3	19.4	29.2



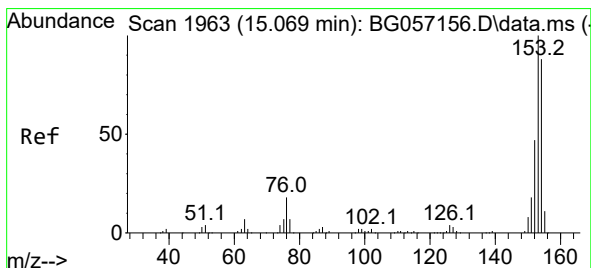
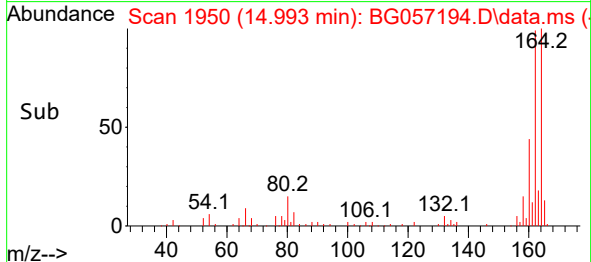
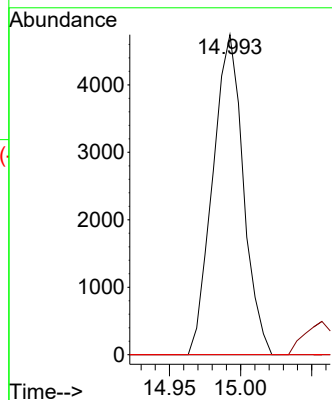


#51
2,6-Dinitrotoluene
Concen: 8.895 ng
RT: 14.993 min Scan# 1950
Delta R.T. 0.435 min
Lab File: BG057194.D
Acq: 26 Apr 2023 16:05

Instrument :
BNA_G
ClientSampleId :
SB-25-10-12-20230411DL

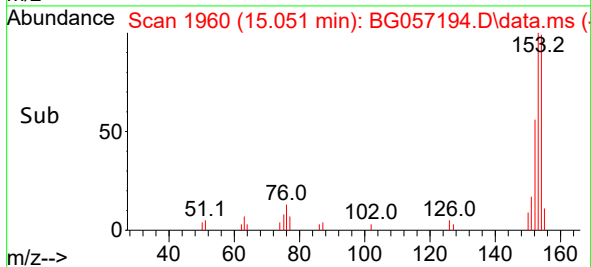
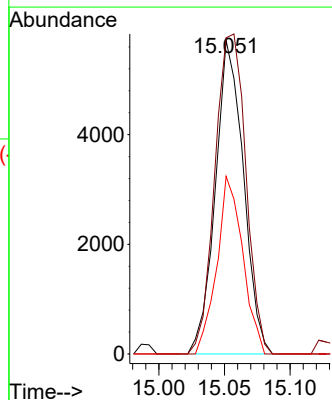
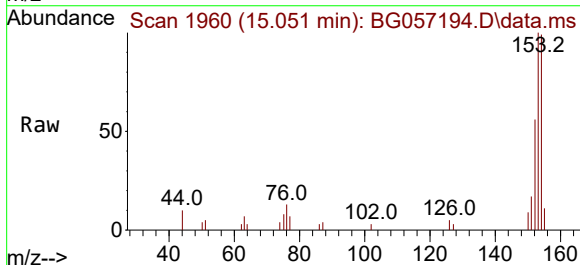


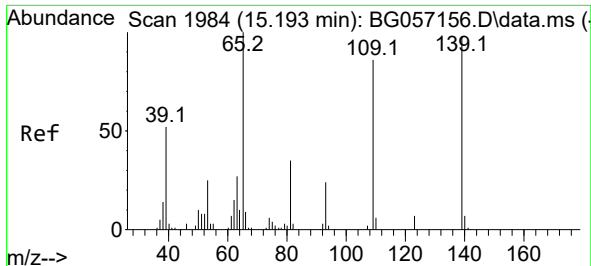
Tgt Ion:165 Resp: 7089
Ion Ratio Lower Upper
165 100
63 0.0 45.5 68.3#
89 0.0 50.1 75.1#



#52
Acenaphthene
Concen: 2.678 ng
RT: 15.051 min Scan# 1960
Delta R.T. -0.005 min
Lab File: BG057194.D
Acq: 26 Apr 2023 16:05

Tgt Ion:154 Resp: 8500
Ion Ratio Lower Upper
154 100
153 100.9 91.0 136.4
152 56.6 43.0 64.6

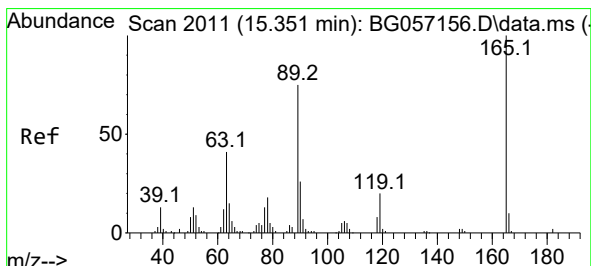
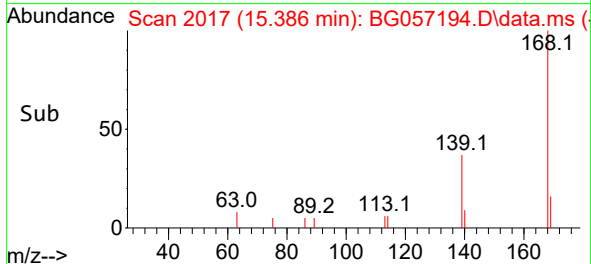
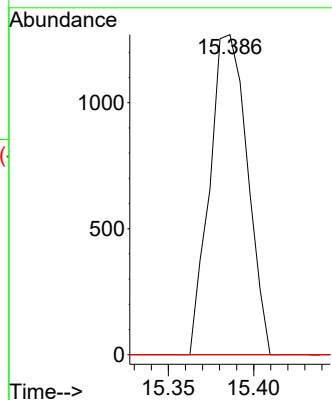
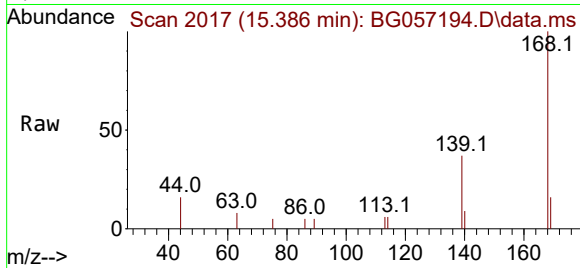




#56
4-Nitrophenol
Concen: 3.499 ng
RT: 15.386 min Scan# 20
Delta R.T. 0.194 min
Lab File: BG057194.D
Acq: 26 Apr 2023 16:05

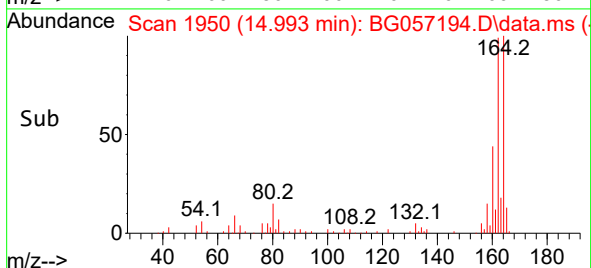
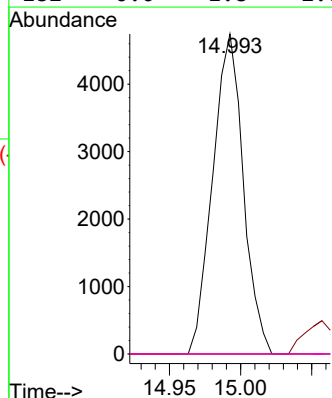
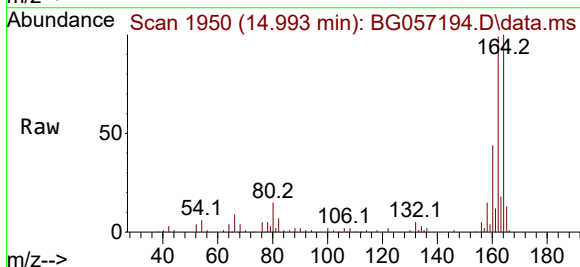
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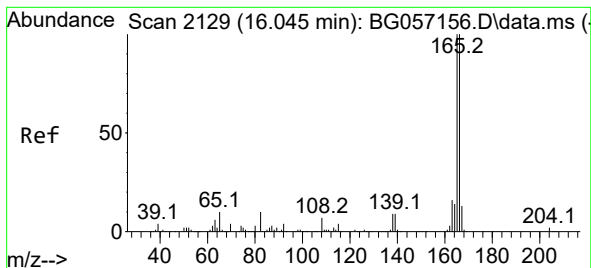
Tgt Ion:139 Resp: 1949
Ion Ratio Lower Upper
139 100
109 0.0 67.3 107.3#
65 0.0 82.0 122.0#



#57
2,4-Dinitrotoluene
Concen: 6.532 ng
RT: 14.993 min Scan# 1950
Delta R.T. -0.352 min
Lab File: BG057194.D
Acq: 26 Apr 2023 16:05

Tgt Ion:165 Resp: 7089
Ion Ratio Lower Upper
165 100
63 0.0 33.0 49.4#
89 0.0 60.0 90.0#
182 0.0 1.8 2.6#





#58

Fluorene

Concen: 2.282 ng

RT: 16.032 min Scan# 2129

Delta R.T. -0.005 min

Lab File: BG057194.D

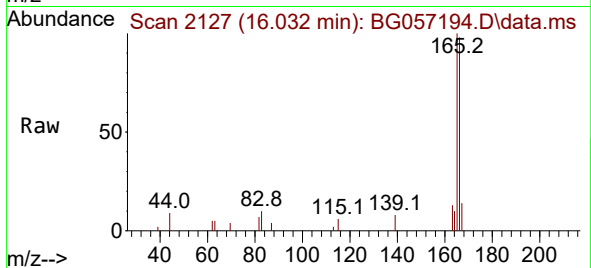
Acq: 26 Apr 2023 16:05

Instrument :

BNA_G

ClientSampleId :

SB-25-10-12-20230411DL



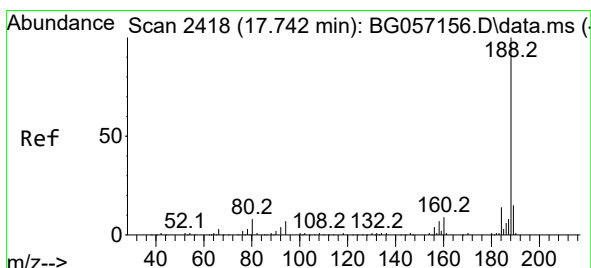
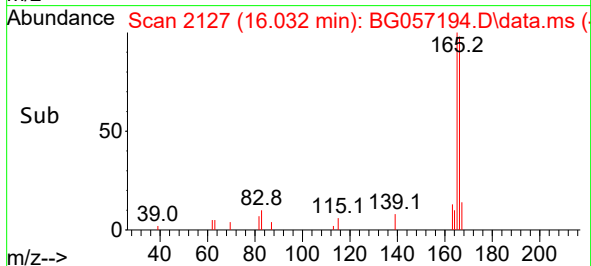
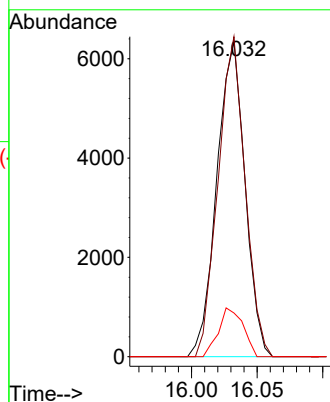
Tgt Ion:166 Resp: 9449

Ion Ratio Lower Upper

166 100

165 101.6 79.8 119.6

167 13.9 10.7 16.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.730 min Scan# 2416

Delta R.T. -0.005 min

Lab File: BG057194.D

Acq: 26 Apr 2023 16:05

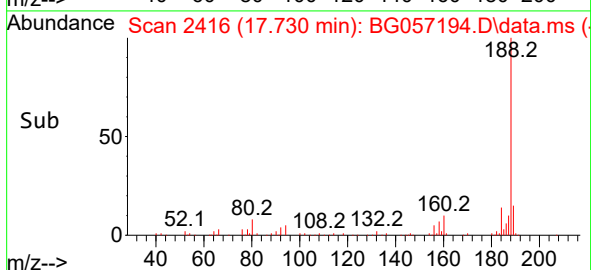
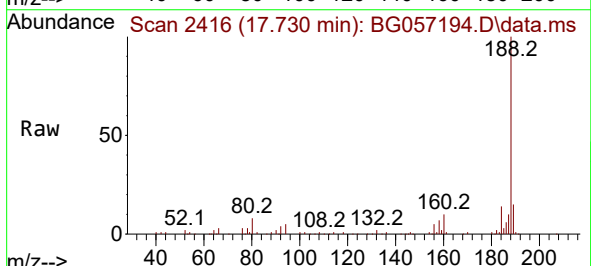
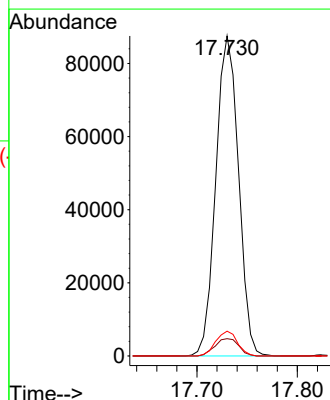
Tgt Ion:188 Resp: 137456

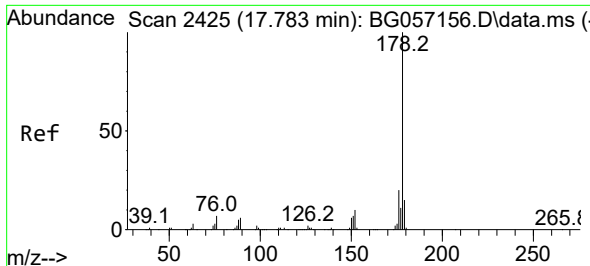
Ion Ratio Lower Upper

188 100

94 5.4 5.4 8.0

80 7.8 6.2 9.2

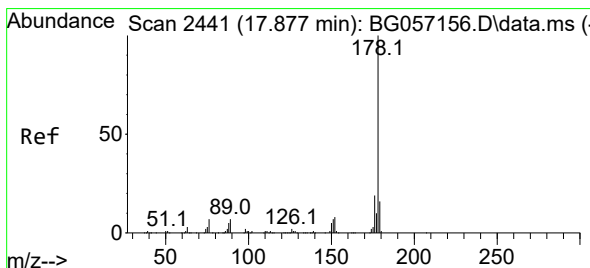
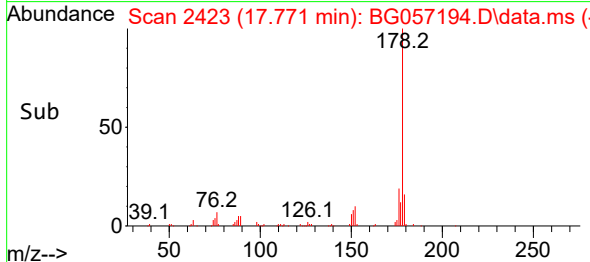
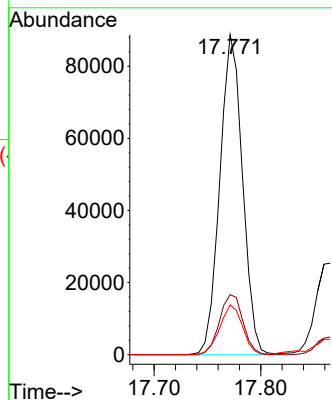
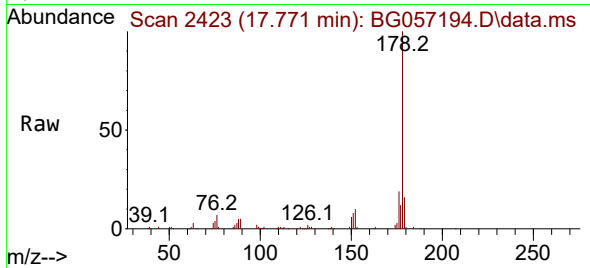




#71
Phenanthrene
Concen: 18.668 ng
RT: 17.771 min Scan# 2423
Delta R.T. -0.005 min
Lab File: BG057194.D
Acq: 26 Apr 2023 16:05

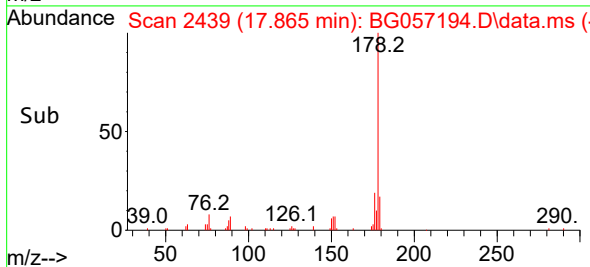
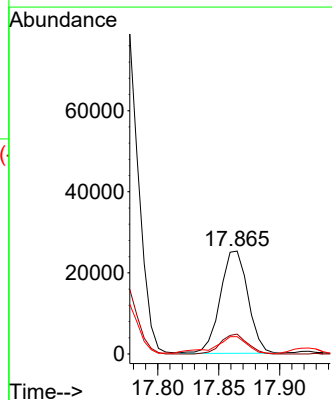
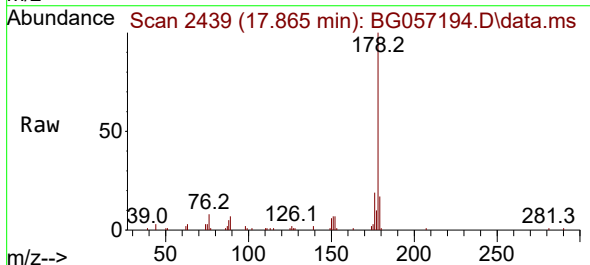
Instrument :
BNA_G
ClientSampleId :
SB-25-10-12-20230411DL

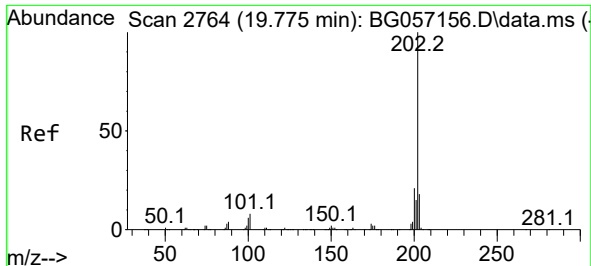
Tgt Ion:178 Resp: 131000
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 15.6 12.4 18.6



#72
Anthracene
Concen: 5.643 ng
RT: 17.865 min Scan# 2439
Delta R.T. 0.001 min
Lab File: BG057194.D
Acq: 26 Apr 2023 16:05

Tgt Ion:178 Resp: 40041
Ion Ratio Lower Upper
178 100
176 19.3 14.9 22.3
179 16.9 12.5 18.7

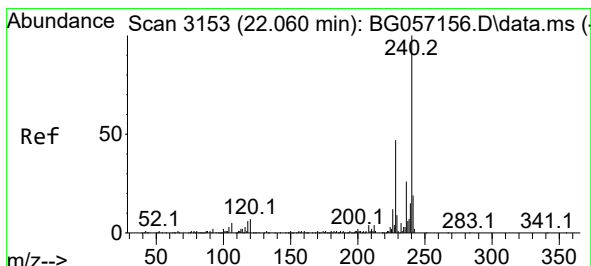
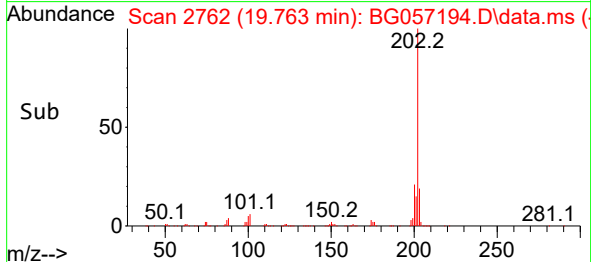
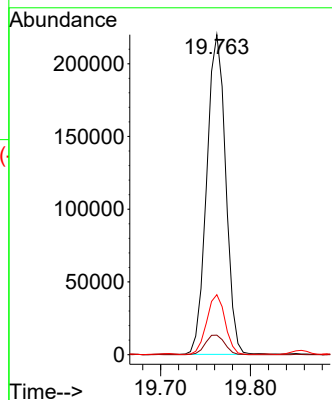
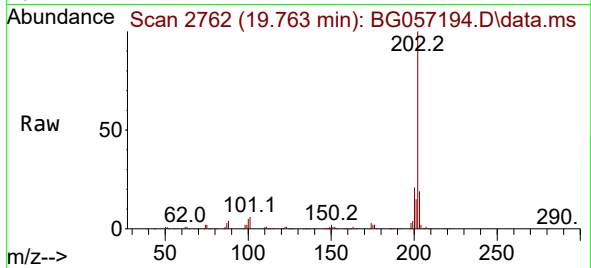




#75
Fluoranthene
Concen: 36.918 ng
RT: 19.763 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG057194.D
Acq: 26 Apr 2023 16:05

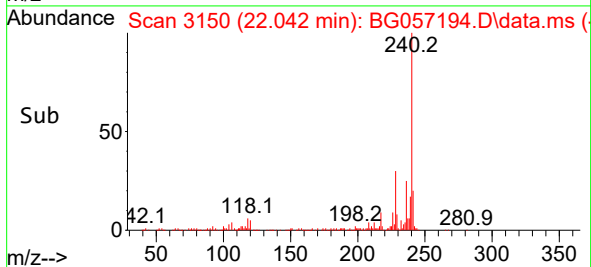
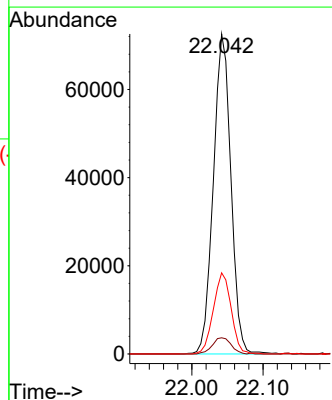
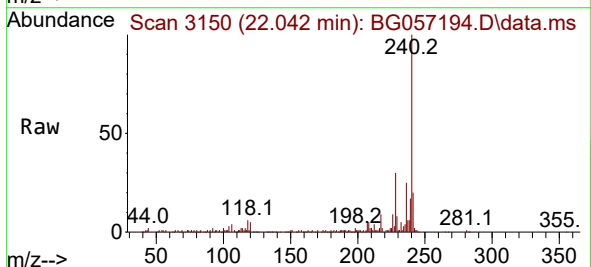
Instrument :
BNA_G
ClientSampleId :
SB-25-10-12-20230411DL

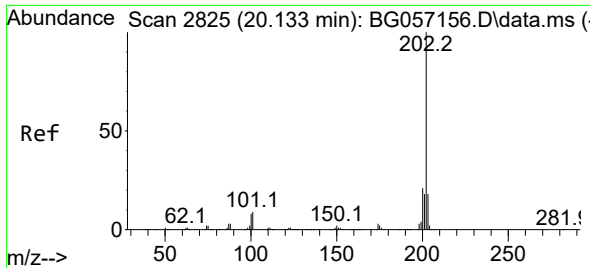
Tgt Ion:202 Resp: 321855
Ion Ratio Lower Upper
202 100
101 6.1 0.0 27.6
203 18.7 0.0 38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.042 min Scan# 3150
Delta R.T. -0.005 min
Lab File: BG057194.D
Acq: 26 Apr 2023 16:05

Tgt Ion:240 Resp: 124293
Ion Ratio Lower Upper
240 100
120 5.0 5.5 8.3#
236 25.4 20.8 31.2

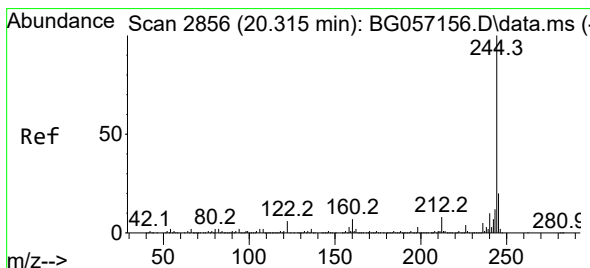
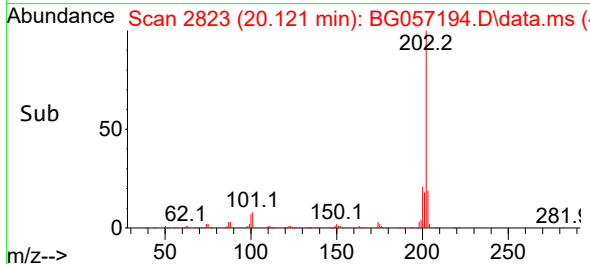
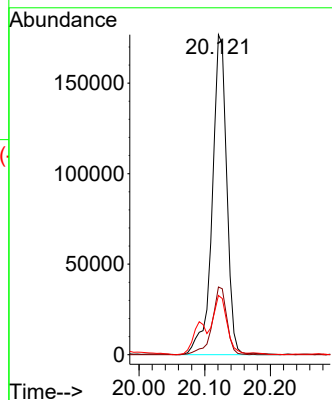
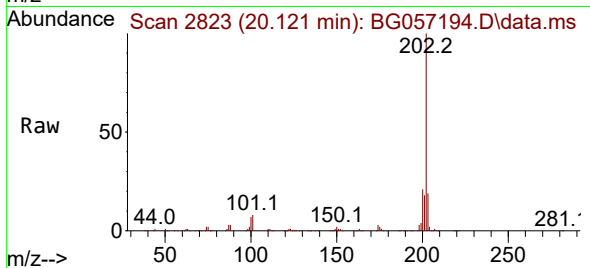




#78
Pyrene
Concen: 32.191 ng
RT: 20.121 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG057194.D
Acq: 26 Apr 2023 16:05

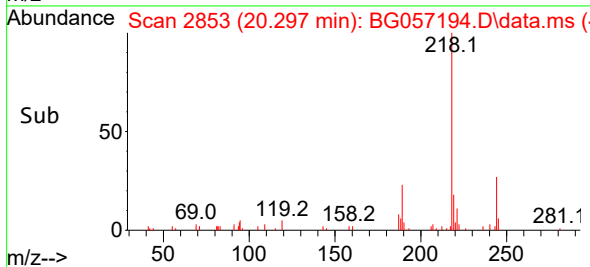
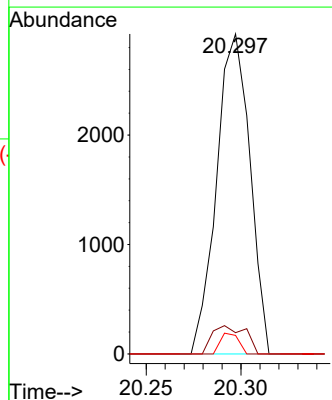
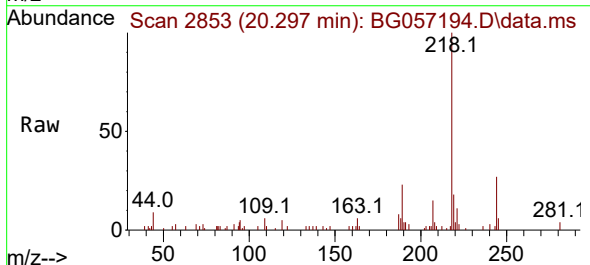
Instrument :
BNA_G
ClientSampleId :
SB-25-10-12-20230411DL

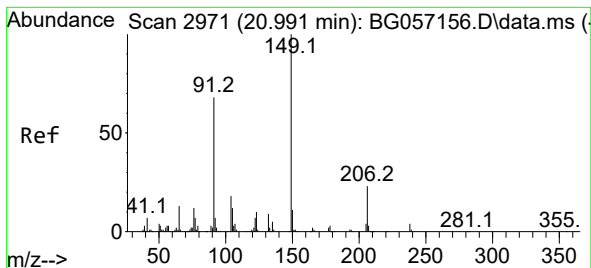
Tgt Ion:202 Resp: 271657
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 18.5 14.7 22.1



#79
Terphenyl-d14
Concen: 0.503 ng
RT: 20.297 min Scan# 2853
Delta R.T. -0.005 min
Lab File: BG057194.D
Acq: 26 Apr 2023 16:05

Tgt Ion:244 Resp: 3573
Ion Ratio Lower Upper
244 100
212 6.6 6.0 9.0
122 5.8 5.0 7.4





#80

Butylbenzylphthalate

Concen: 3.237 ng

RT: 21.002 min Scan# 2971

Delta R.T. 0.024 min

Lab File: BG057194.D

Acq: 26 Apr 2023 16:05

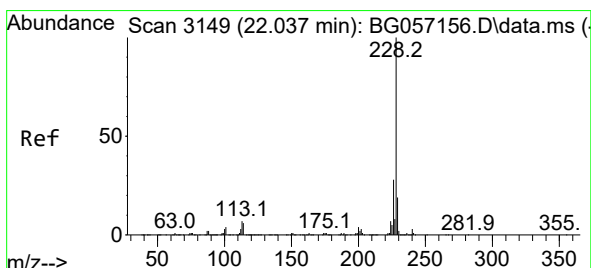
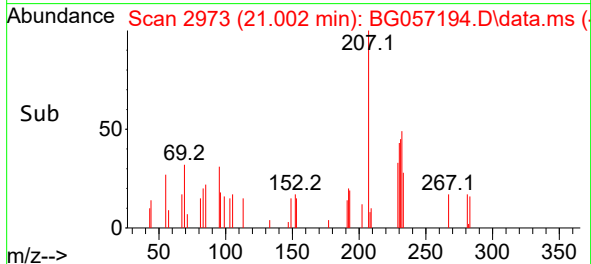
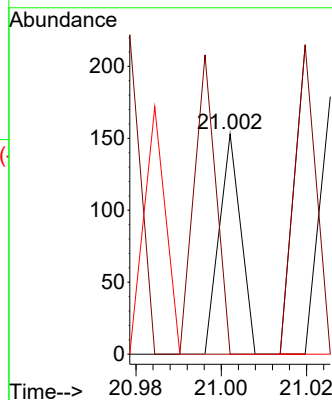
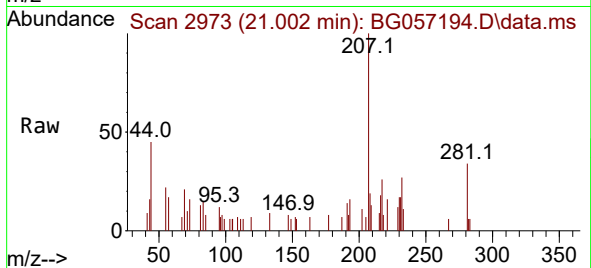
Instrument :

BNA_G

ClientSampleId :

SB-25-10-12-20230411DL

Tgt Ion:149	Resp:	54
Ion Ratio	Lower	Upper
149	100	
91	0.0	54.1 81.1#
206	0.0	18.2 27.2#



#81

Benzo(a)anthracene

Concen: 22.785 ng

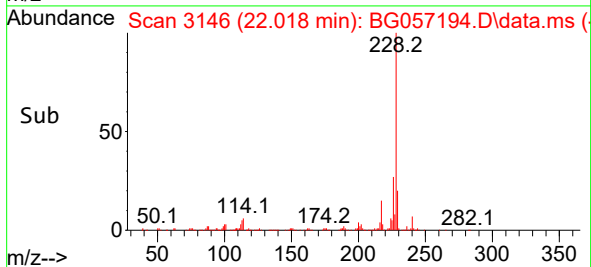
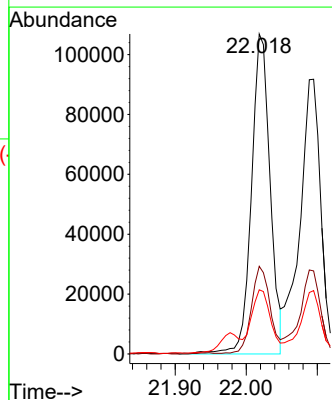
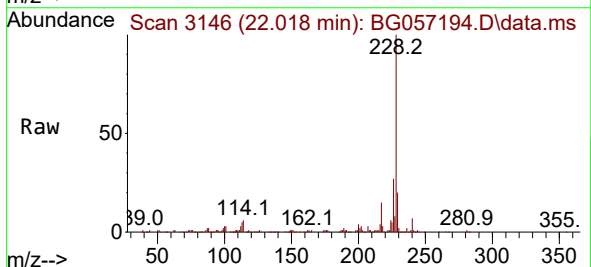
RT: 22.018 min Scan# 3146

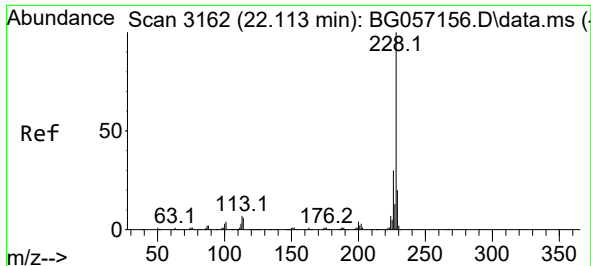
Delta R.T. -0.005 min

Lab File: BG057194.D

Acq: 26 Apr 2023 16:05

Tgt Ion:228	Resp:	194713
Ion Ratio	Lower	Upper
228	100	
226	27.4	22.2 33.4
229	20.1	15.6 23.4

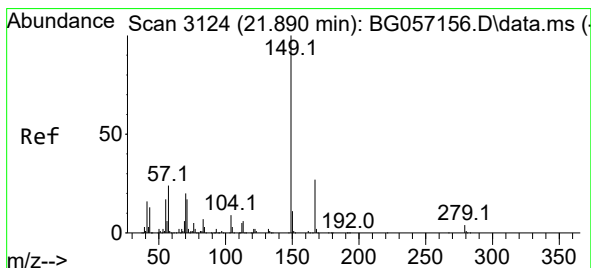
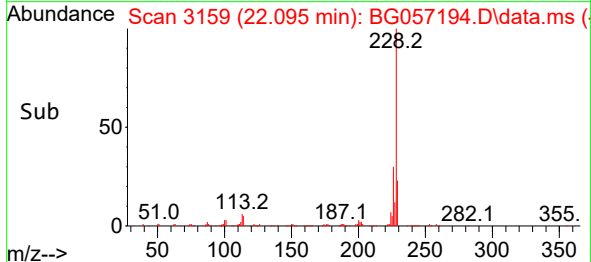
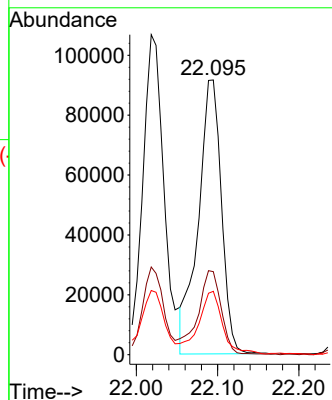
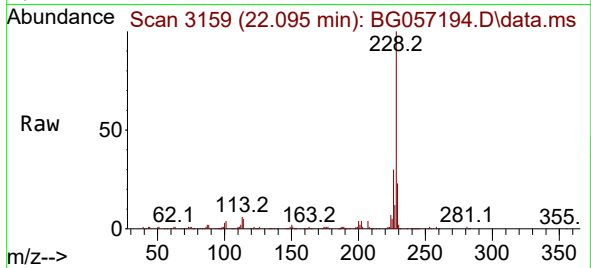




#83
Chrysene
Concen: 22.015 ng
RT: 22.095 min Scan# 3162
Delta R.T. -0.005 min
Lab File: BG057194.D
Acq: 26 Apr 2023 16:05

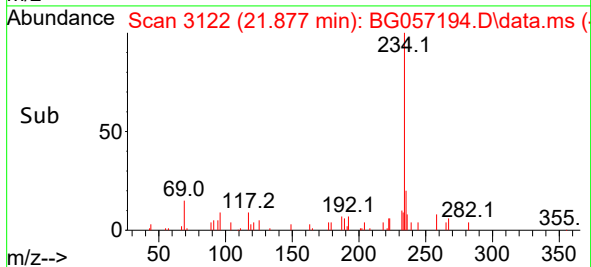
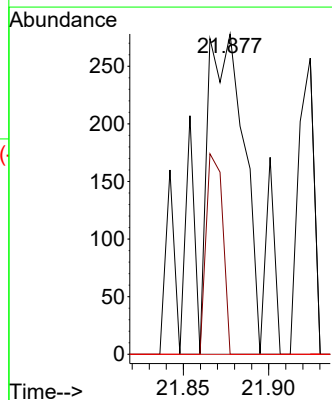
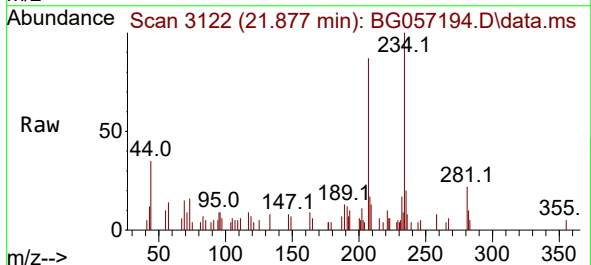
Instrument :
BNA_G
ClientSampleId :
SB-25-10-12-20230411DL

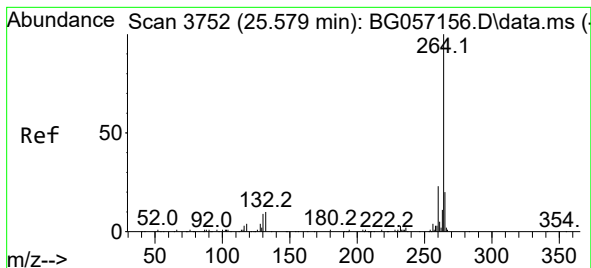
Tgt Ion:228 Resp: 181436
Ion Ratio Lower Upper
228 100
226 30.2 24.0 36.0
229 23.1 15.8 23.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.678 ng
RT: 21.877 min Scan# 3122
Delta R.T. 0.006 min
Lab File: BG057194.D
Acq: 26 Apr 2023 16:05

Tgt Ion:149 Resp: 537
Ion Ratio Lower Upper
149 100
167 0.0 21.9 32.9#
279 0.0 3.3 4.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.555 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG057194.D

Acq: 26 Apr 2023 16:05

Instrument :

BNA_G

ClientSampleId :

SB-25-10-12-20230411DL

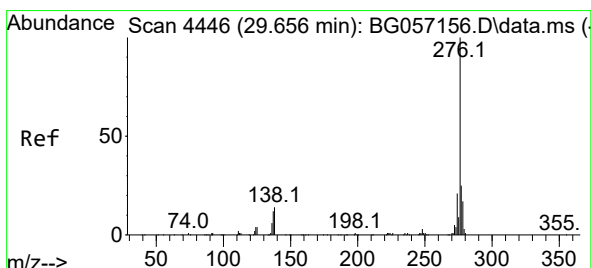
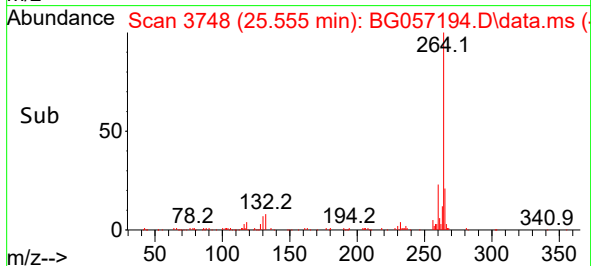
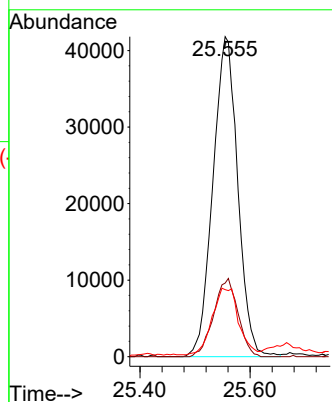
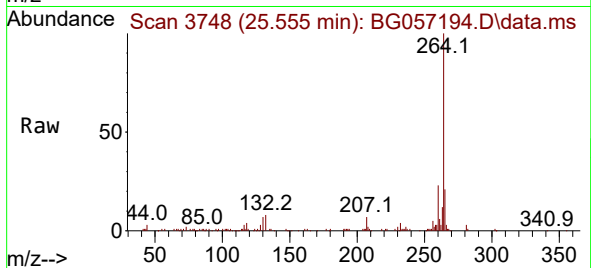
Tgt Ion:264 Resp: 130842

Ion Ratio Lower Upper

264 100

260 23.0 18.8 28.2

265 21.0 16.4 24.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.826 ng

RT: 29.602 min Scan# 4437

Delta R.T. -0.023 min

Lab File: BG057194.D

Acq: 26 Apr 2023 16:05

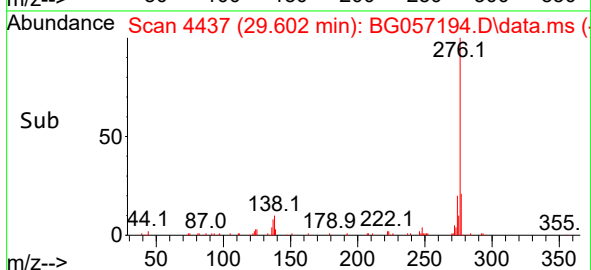
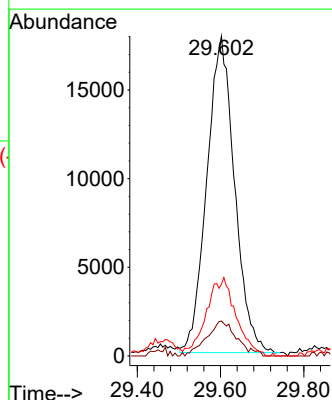
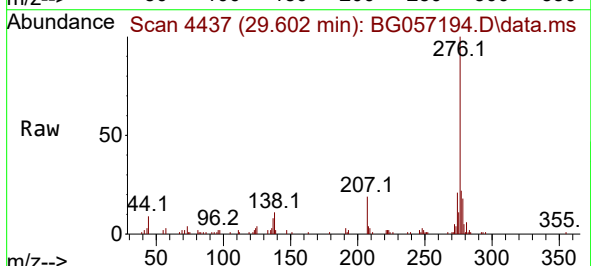
Tgt Ion:276 Resp: 82720

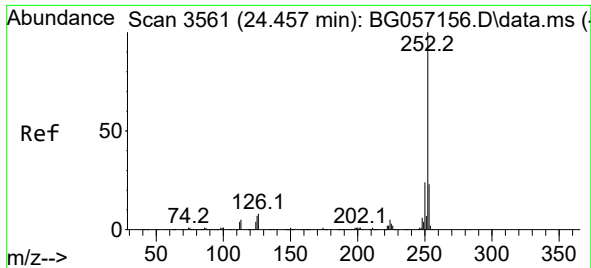
Ion Ratio Lower Upper

276 100

138 11.4 13.8 20.6#

277 11.0 20.4 30.6#

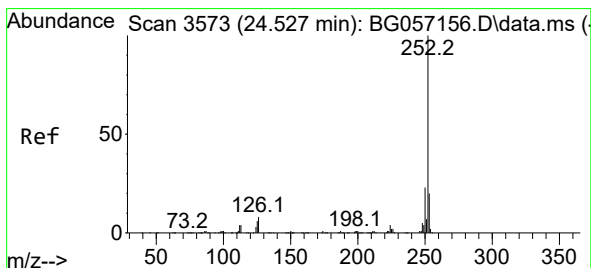
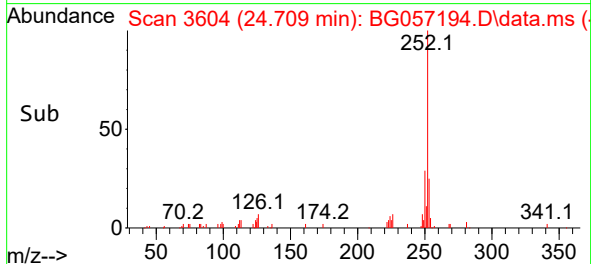
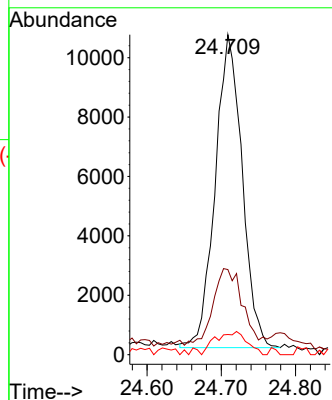
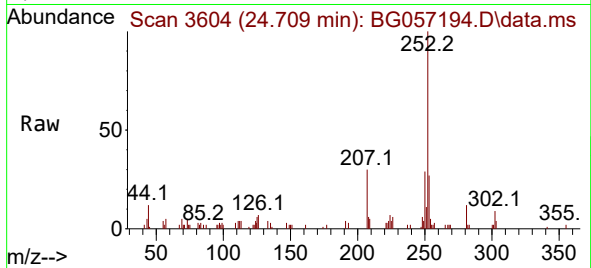




#88
Benzo(b)fluoranthene
Concen: 3.238 ng
RT: 24.709 min Scan# 30
Delta R.T. 0.271 min
Lab File: BG057194.D
Acq: 26 Apr 2023 16:05

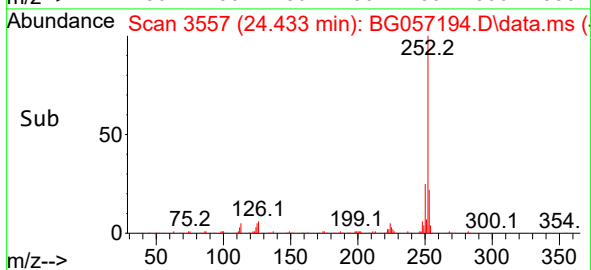
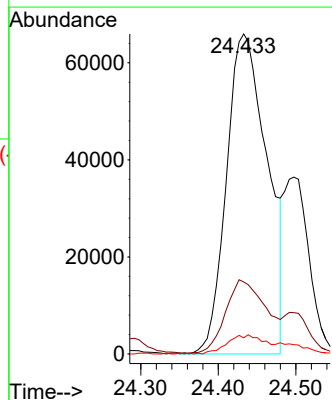
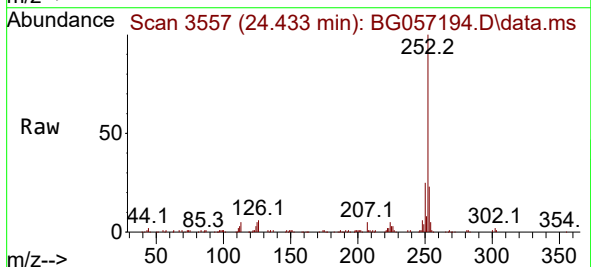
Instrument :
BNA_G
ClientSampleId :
SB-25-10-12-20230411DL

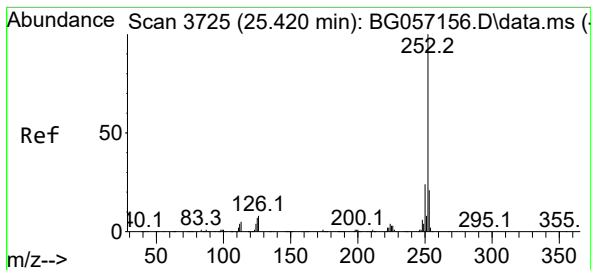
Tgt Ion:252	Resp:	26559
Ion Ratio	Lower	Upper
252	100	
253	26.6	18.2 27.2
125	6.3	5.3 7.9



#89
Benzo(k)fluoranthene
Concen: 28.390 ng
RT: 24.433 min Scan# 3557
Delta R.T. -0.076 min
Lab File: BG057194.D
Acq: 26 Apr 2023 16:05

Tgt Ion:252	Resp:	240853
Ion Ratio	Lower	Upper
252	100	
253	22.5	16.7 25.1
125	5.0	5.0 7.6





#90

Benzo(a)pyrene

Concen: 19.073 ng

RT: 25.390 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG057194.D

Acq: 26 Apr 2023 16:05

Instrument :

BNA_G

ClientSampleId :

SB-25-10-12-20230411DL

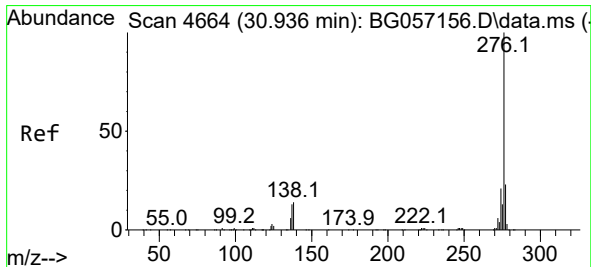
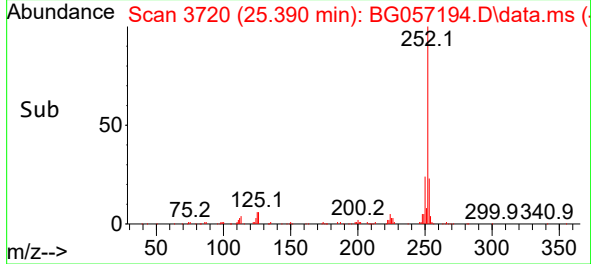
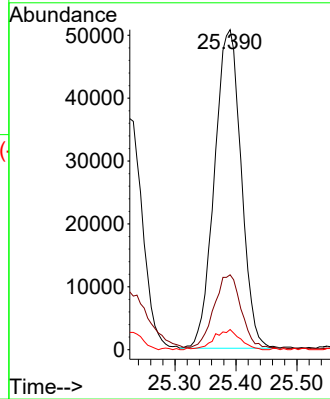
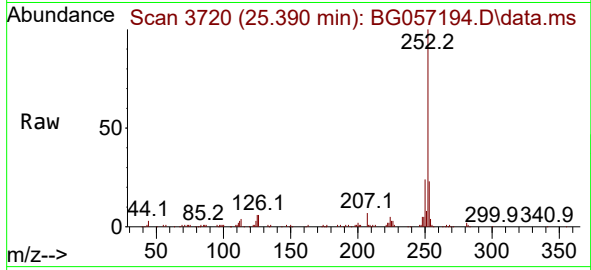
Tgt Ion:252 Resp: 154082

Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.6

125 6.3 5.8 8.8



#92

Benzo(g,h,i)perylene

Concen: 9.964 ng

RT: 30.877 min Scan# 4654

Delta R.T. -0.023 min

Lab File: BG057194.D

Acq: 26 Apr 2023 16:05

Tgt Ion:276 Resp: 76718

Ion Ratio Lower Upper

276 100

277 25.1 18.5 27.7

138 10.7 11.5 17.3#

