

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
 Data File : BG055999.D
 Acq On : 16 Dec 2022 18:29
 Operator : CG/JU
 Sample : N6038-18
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB-38-(0-2)

Quant Time: Dec 17 01:24:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 01:18:54 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

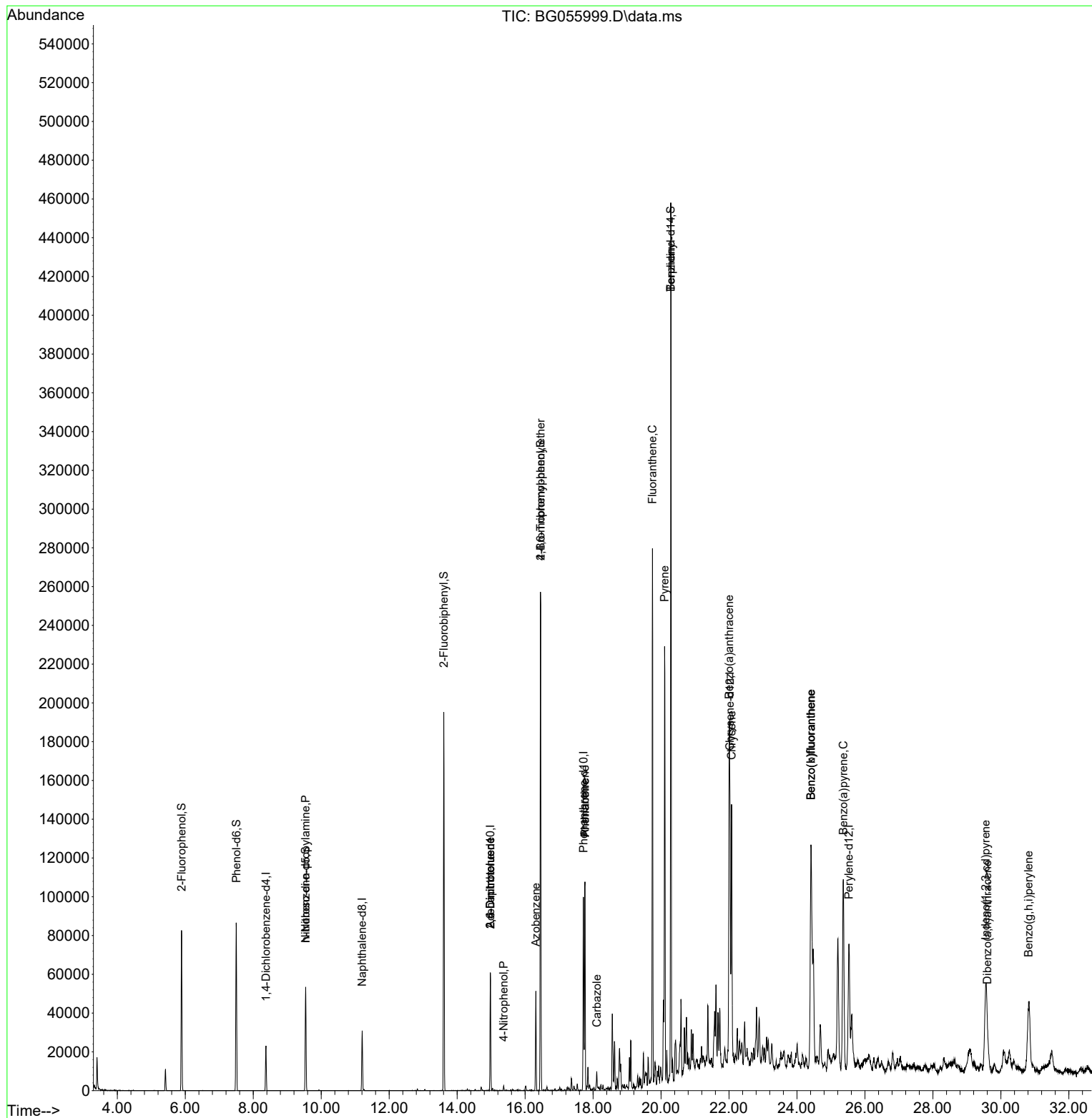
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.372	152	7470	20.000	ng	0.00
21) Naphthalene-d8	11.204	136	27481	20.000	ng	# 0.00
39) Acenaphthene-d10	14.976	164	23898	20.000	ng	0.00
64) Phenanthrene-d10	17.714	188	70559	20.000	ng	0.00
76) Chrysene-d12	22.027	240	71058	20.000	ng	0.00
86) Perylene-d12	25.529	264	86374	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.893	112	35332	110.923	ng	0.00
7) Phenol-d6	7.503	99	42336	103.342	ng	0.00
23) Nitrobenzene-d5	9.542	82	28858	73.384	ng	0.00
42) 2,4,6-Tribromophenol	16.457	330	68413	118.721	ng	0.00
45) 2-Fluorobiphenyl	13.608	172	105213	61.746	ng	0.00
79) Terphenyl-d14	20.288	244	248760	61.873	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.542	70	4372	14.889	ng	# 62
51) 2,6-Dinitrotoluene	14.976	165	3094	9.677	ng	# 25
56) 4-Nitrophenol	15.370	139	651	2.498	ng	# 1
57) 2,4-Dinitrotoluene	14.976	165	3094	6.411	ng	# 35
63) Azobenzene	16.316	77	11828	9.623	ng	# 1
67) 4-Bromophenyl-phenylether	16.457	248	3780	3.656	ng	# 1
71) Phenanthrene	17.761	178	76250	20.621	ng	99
72) Anthracene	17.761	178	76250	20.844	ng	99
73) Carbazole	18.108	167	7181	2.380	ng	96
75) Fluoranthene	19.747	202	188962	36.494	ng	100
77) Benzidine	20.288	184	3749	3.004	ng	# 94
78) Pyrene	20.106	202	165280	38.439	ng	99
81) Benzo(a)anthracene	22.004	228	113374	22.674	ng	100
83) Chrysene	22.074	228	114257	24.381	ng	97
87) Indeno(1,2,3-cd)pyrene	29.554	276	103727	14.934	ng	# 98
88) Benzo(b)fluoranthene	24.412	252	179650	32.138	ng	98
89) Benzo(k)fluoranthene	24.412	252	179650	32.211	ng	100
90) Benzo(a)pyrene	25.364	252	132862	28.118	ng	98
91) Dibenzo(a,h)anthracene	29.606	278	31471	5.413	ng	# 97
92) Benzo(g,h,i)perylene	30.817	276	96457	17.161	ng	96

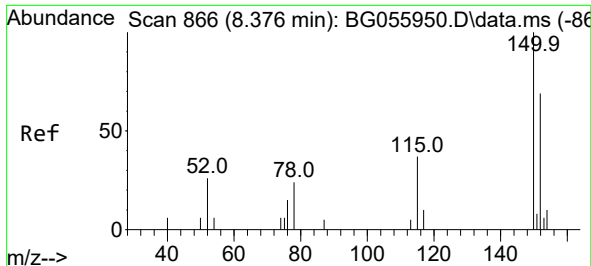
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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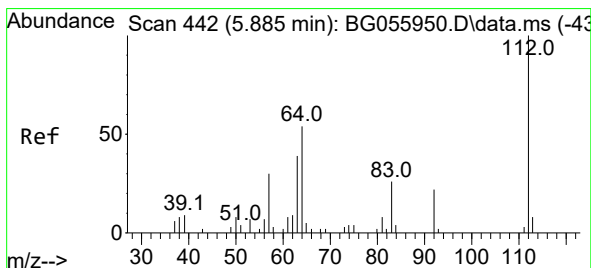
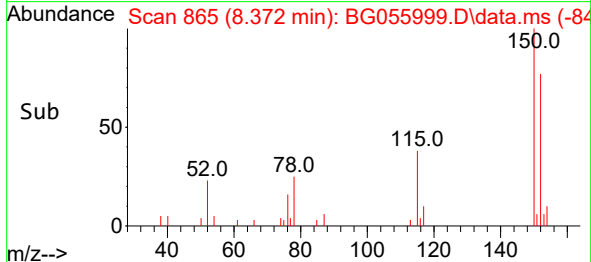
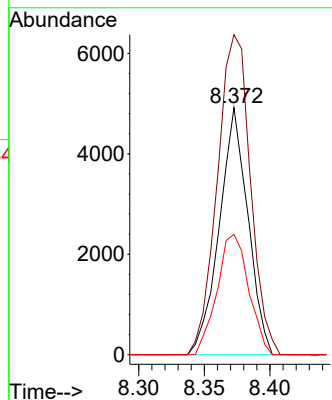
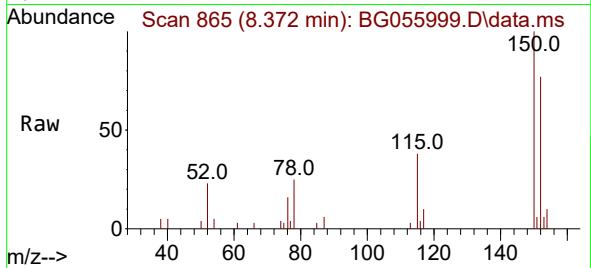




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.372 min Scan# 866
Delta R.T. -0.004 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

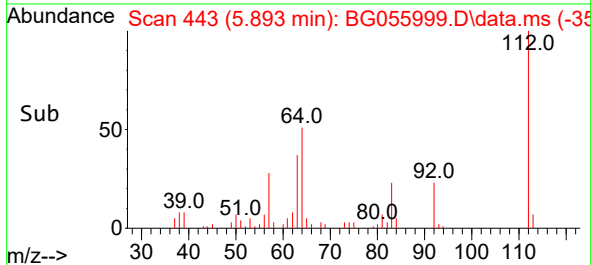
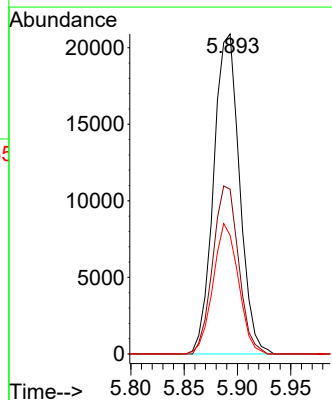
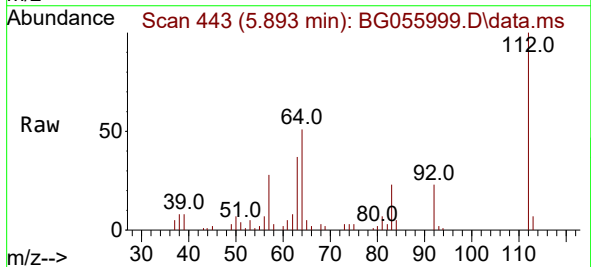
Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

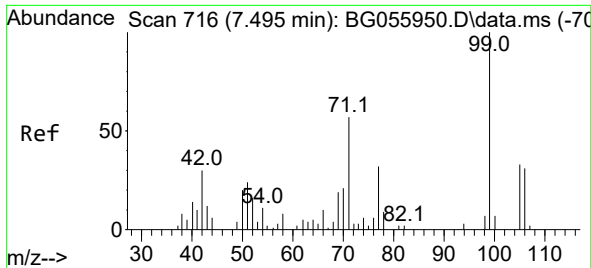
Tgt Ion:152 Resp: 7470
Ion Ratio Lower Upper
152 100
150 129.5 115.7 173.5
115 48.7 43.0 64.4



#5
2-Fluorophenol
Concen: 110.923 ng
RT: 5.893 min Scan# 443
Delta R.T. 0.008 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

Tgt Ion:112 Resp: 35332
Ion Ratio Lower Upper
112 100
64 51.4 43.0 64.4
63 37.0 31.4 47.2

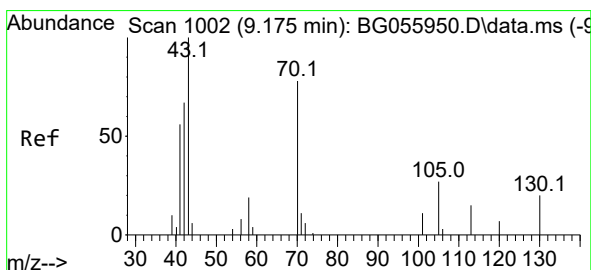
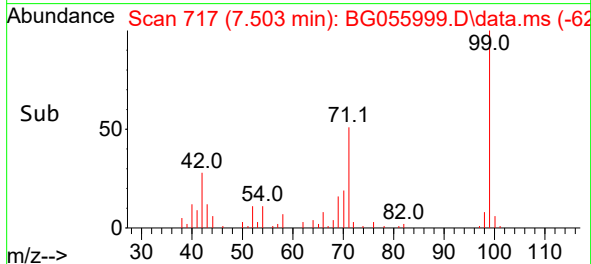
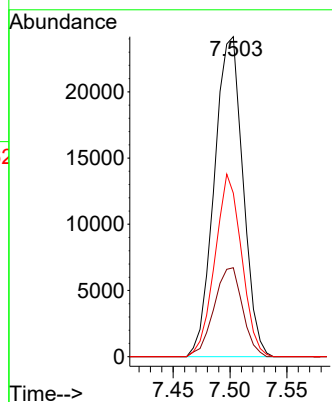
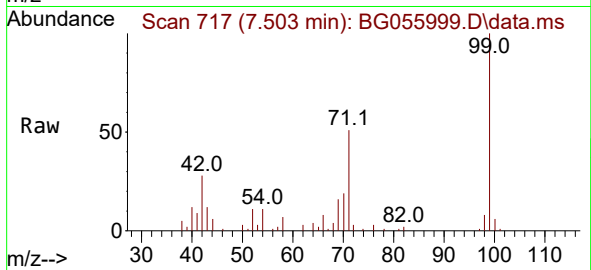




#7
Phenol-d6
Concen: 103.342 ng
RT: 7.503 min Scan# 716
Delta R.T. 0.002 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

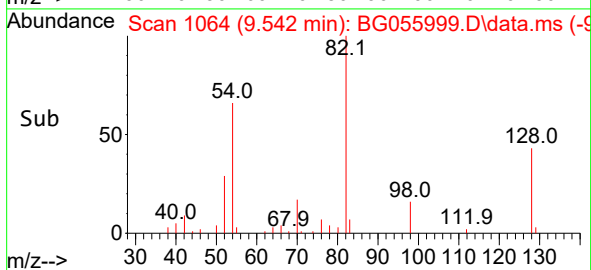
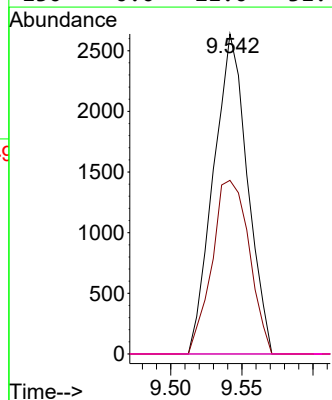
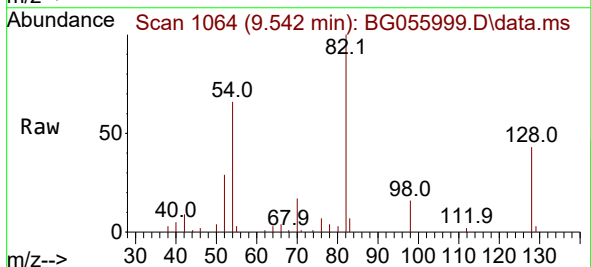
Instrument :
BNA_G
ClientSampleId :
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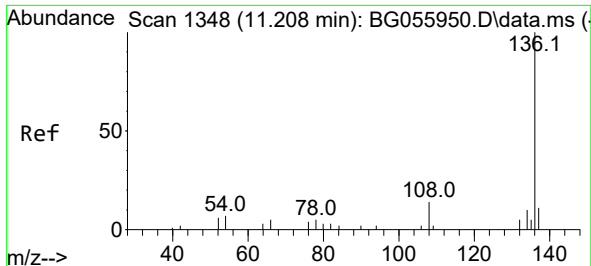
Tgt Ion: 99 Resp: 42336
Ion Ratio Lower Upper
99 100
42 27.8 24.3 36.5
71 51.1 45.6 68.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.889 ng
RT: 9.542 min Scan# 1064
Delta R.T. 0.366 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

Tgt Ion: 70 Resp: 4372
Ion Ratio Lower Upper
70 100
42 54.2 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#

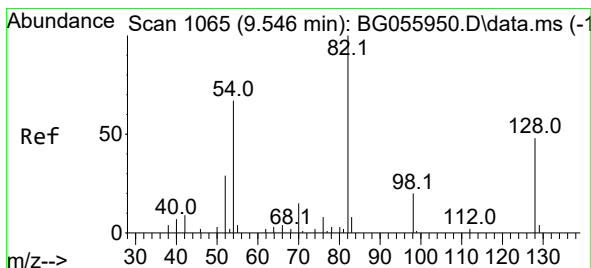
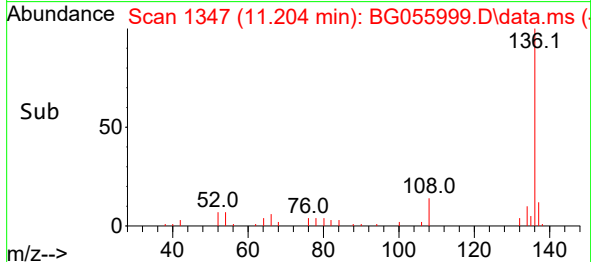
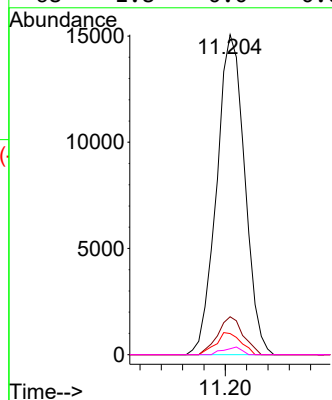
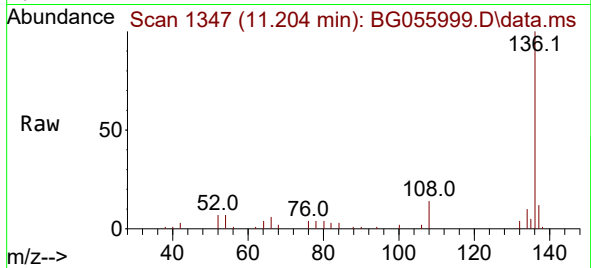




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.204 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

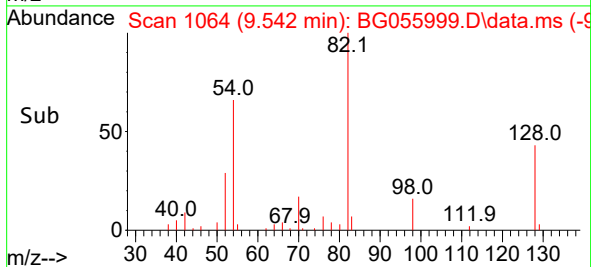
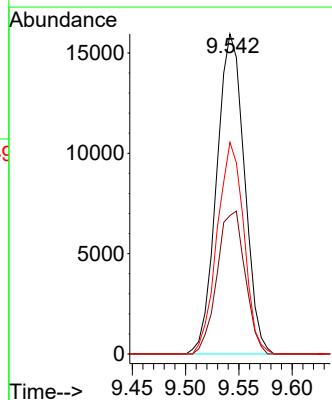
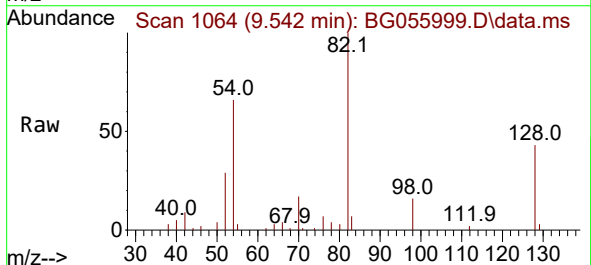
Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

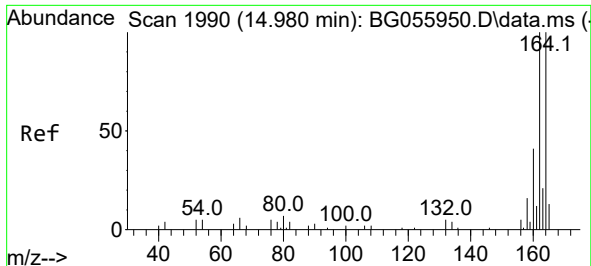
Tgt Ion:	136	Resp:	27481
Ion Ratio	Lower	Upper	
136	100		
137	11.8	9.2	13.8
54	6.6	5.6	8.4
68	1.8	0.0	0.0



#23
Nitrobenzene-d5
Concen: 73.384 ng
RT: 9.542 min Scan# 1064
Delta R.T. -0.004 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

Tgt Ion:	82	Resp:	28858
Ion Ratio	Lower	Upper	
82	100		
128	43.3	38.4	57.6
54	66.1	53.3	79.9

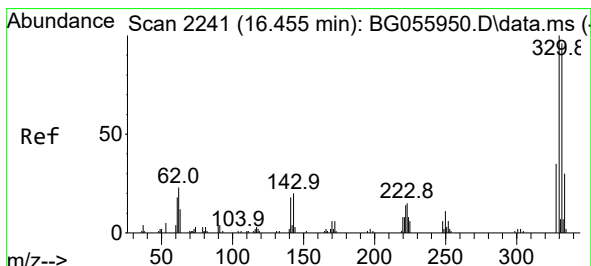
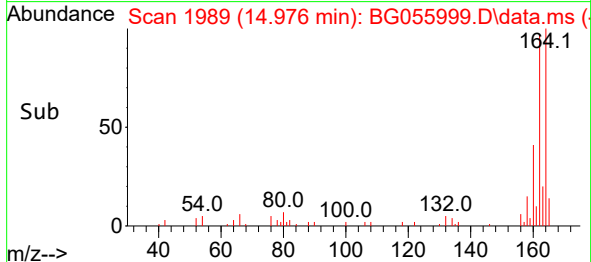
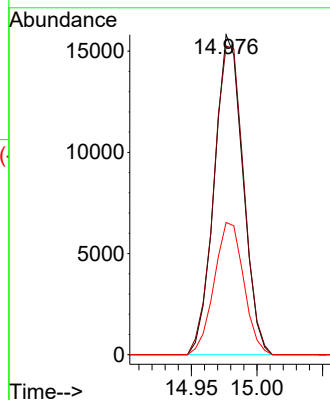
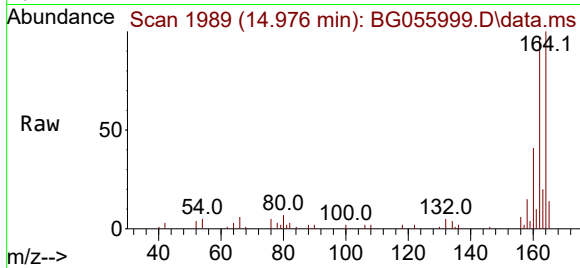




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.976 min Scan# 1990
Delta R.T. -0.004 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

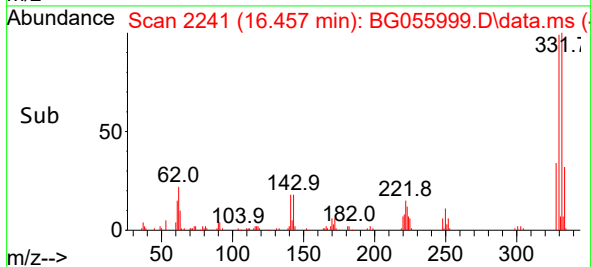
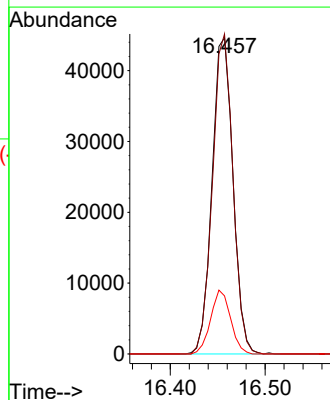
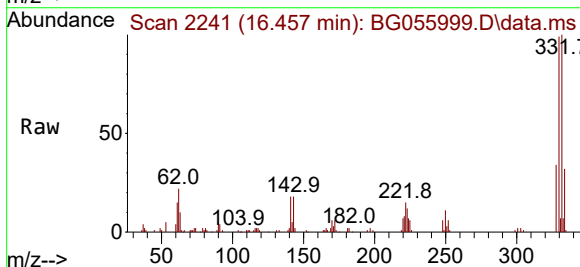
Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

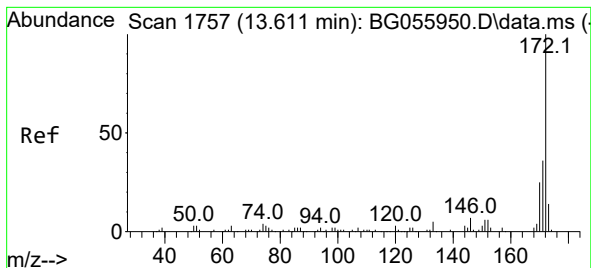
Tgt Ion:164	Resp:	23898
Ion Ratio	Lower	Upper
164	100	
162	96.5	79.8 119.8
160	41.3	33.0 49.4



#42
2,4,6-Tribromophenol
Concen: 118.721 ng
RT: 16.457 min Scan# 2241
Delta R.T. -0.004 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

Tgt Ion:330	Resp:	68413
Ion Ratio	Lower	Upper
330	100	
332	98.5	76.6 114.8
141	19.2	15.0 22.4

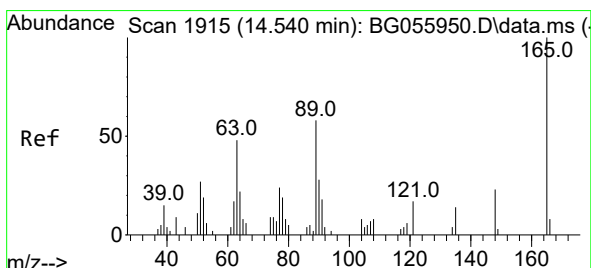
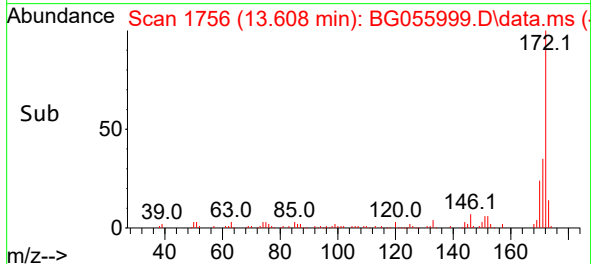
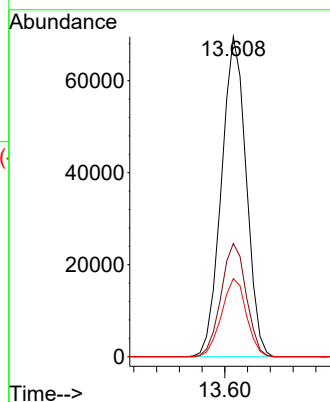
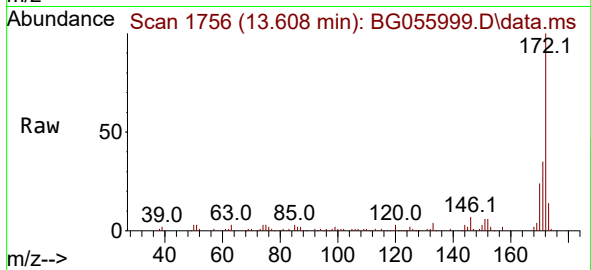




#45
2-Fluorobiphenyl
Concen: 61.746 ng
RT: 13.608 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

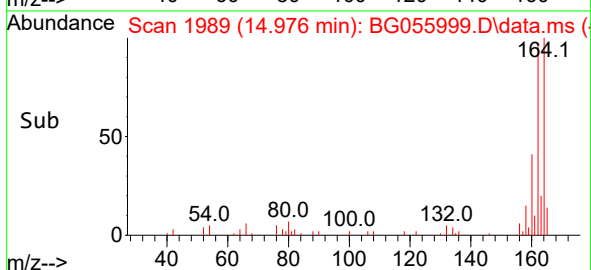
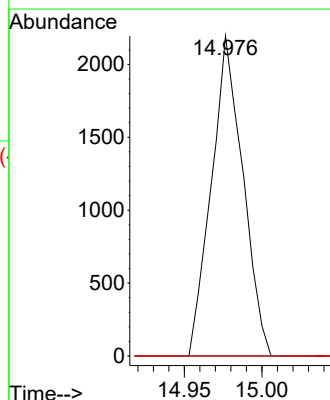
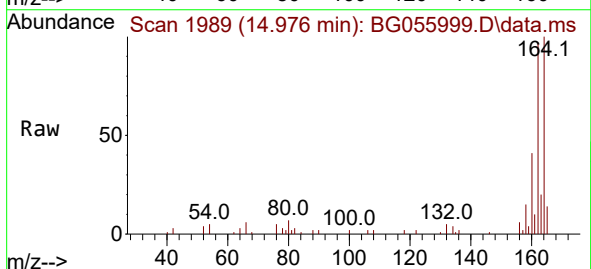
Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

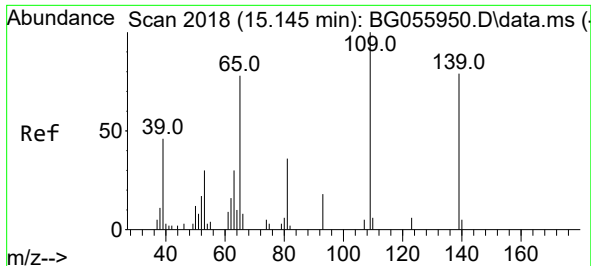
Tgt Ion:172 Resp: 105213
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 24.4 19.9 29.9



#51
2,6-Dinitrotoluene
Concen: 9.677 ng
RT: 14.976 min Scan# 1989
Delta R.T. 0.431 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

Tgt Ion:165 Resp: 3094
Ion Ratio Lower Upper
165 100
63 0.0 38.3 57.5#
89 0.0 46.3 69.5#

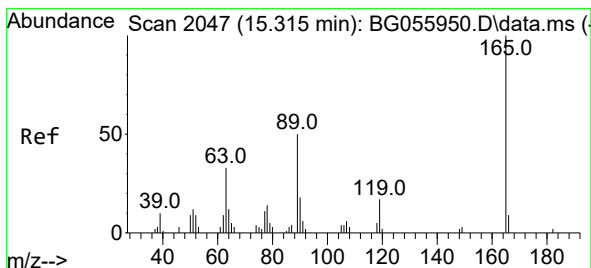
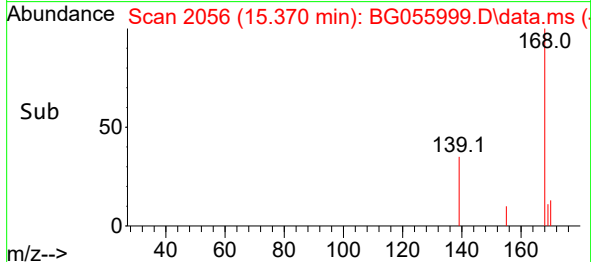
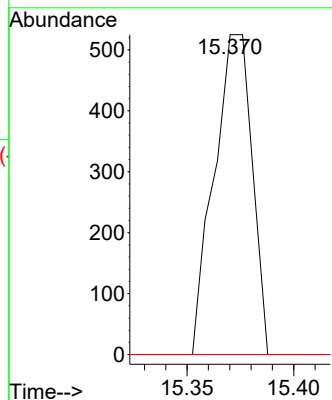
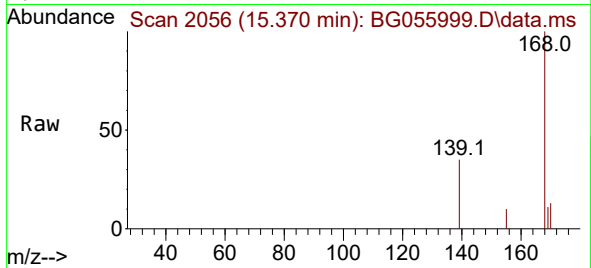




#56
4-Nitrophenol
Concen: 2.498 ng
RT: 15.370 min Scan# 2018
Delta R.T. 0.219 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

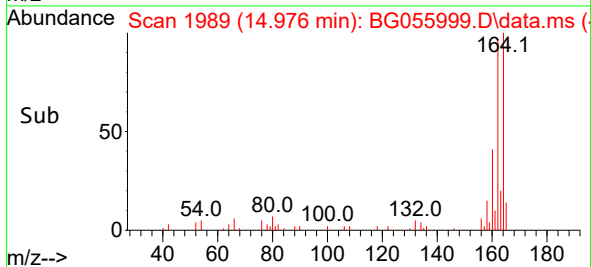
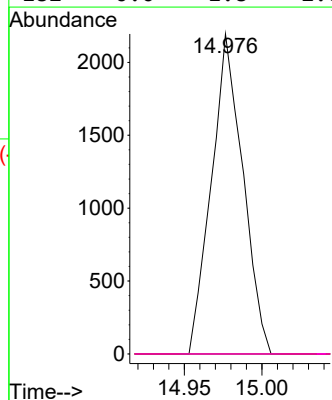
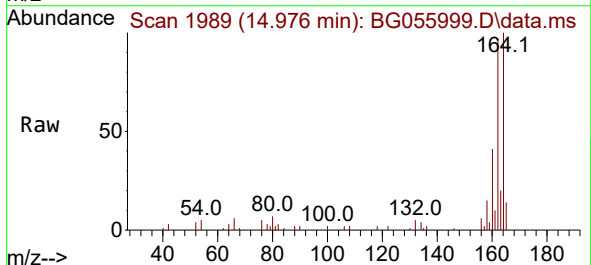
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RB-38-(0-2)

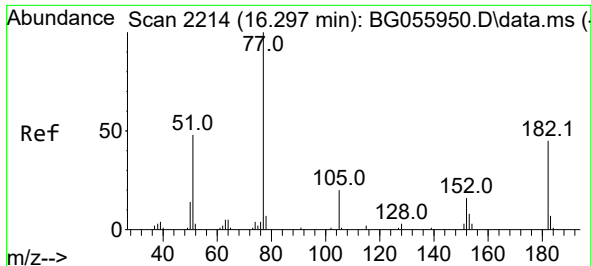
Tgt Ion:139 Resp: 651
Ion Ratio Lower Upper
139 100
109 0.0 106.7 146.7#
65 0.0 79.2 119.2#



#57
2,4-Dinitrotoluene
Concen: 6.411 ng
RT: 14.976 min Scan# 1989
Delta R.T. -0.345 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

Tgt Ion:165 Resp: 3094
Ion Ratio Lower Upper
165 100
63 0.0 26.6 39.8#
89 0.0 40.1 60.1#
182 0.0 1.8 2.6#

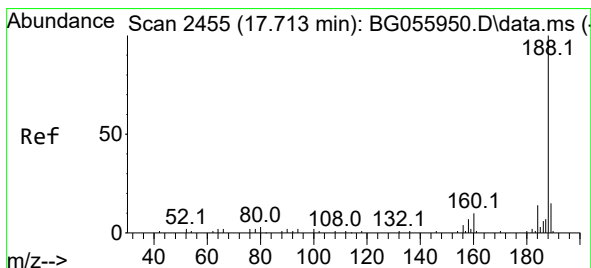
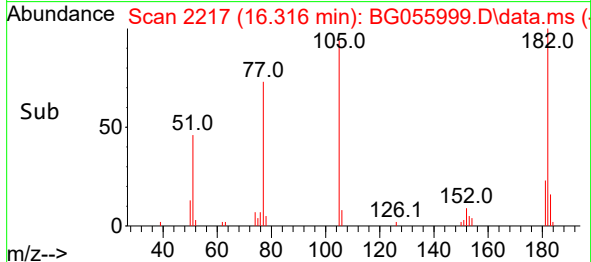
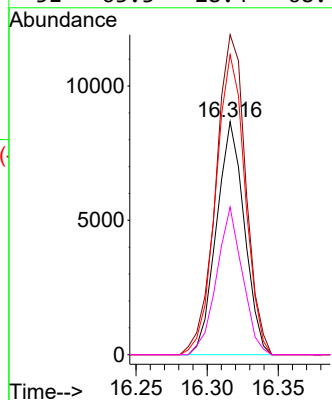
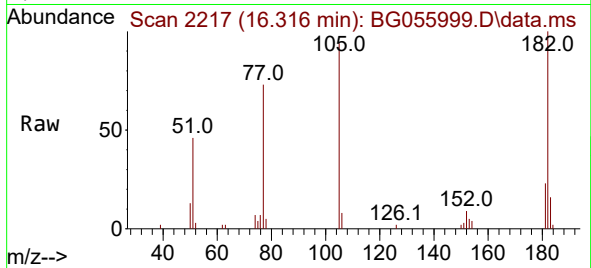




#63
Azobenzene
Concen: 9.623 ng
RT: 16.316 min Scan# 21
Delta R.T. 0.020 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

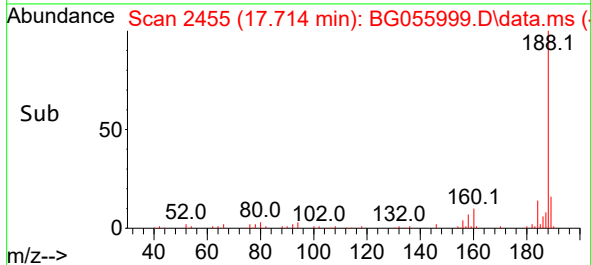
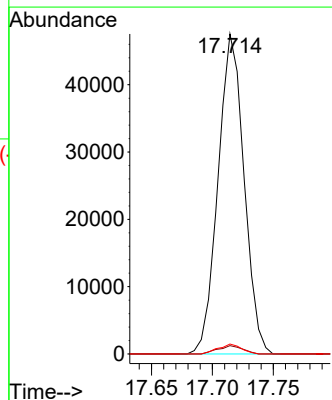
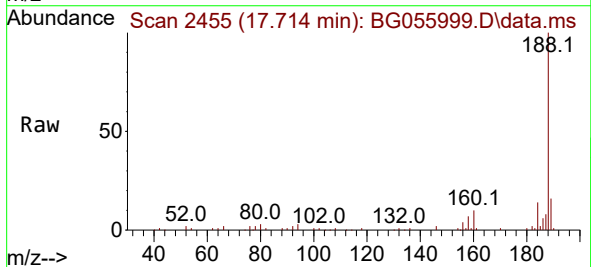
Instrument :
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ClientSampleId :
RB-38-(0-2)

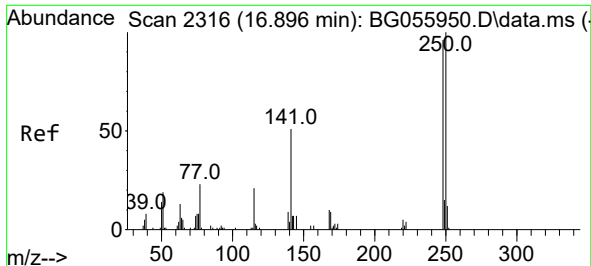
Tgt Ion: 77 Resp: 11828
Ion Ratio Lower Upper
77 100
182 137.3 24.7 64.7#
105 128.8 0.3 40.3#
51 63.3 28.4 68.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.714 min Scan# 2455
Delta R.T. -0.004 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

Tgt Ion:188 Resp: 70559
Ion Ratio Lower Upper
188 100
94 2.6 1.8 2.8
80 3.1 2.4 3.6

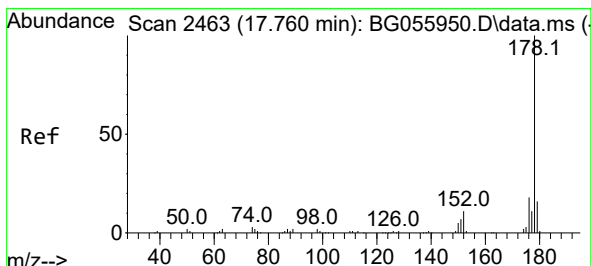
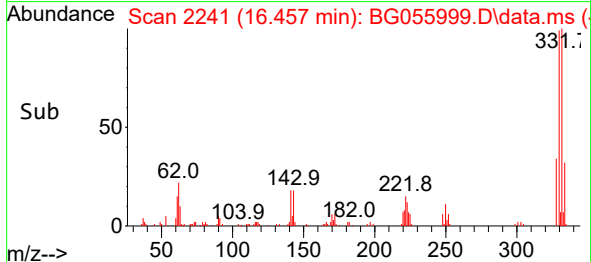
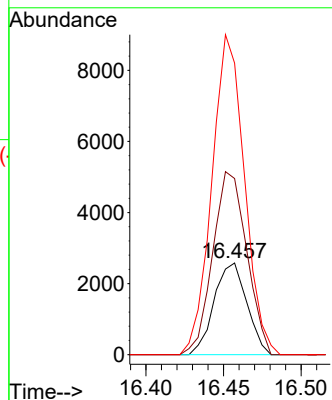
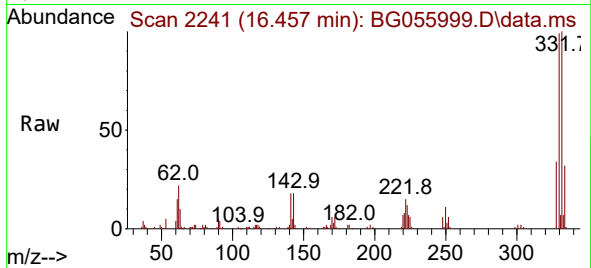




#67
4-Bromophenyl-phenylether
Concen: 3.656 ng
RT: 16.457 min Scan# 21
Delta R.T. -0.444 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

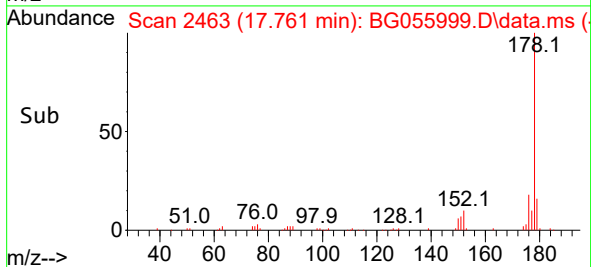
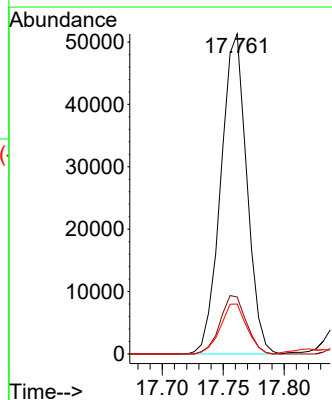
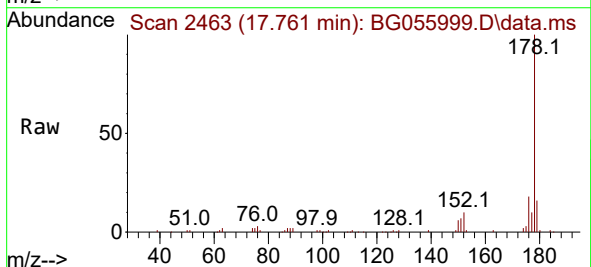
Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

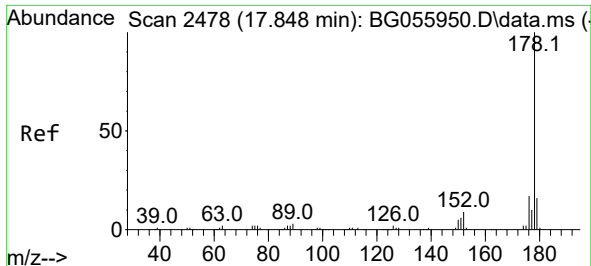
Tgt Ion:248 Resp: 3780
Ion Ratio Lower Upper
248 100
250 192.2 83.0 124.6#
141 318.0 42.6 64.0#



#71
Phenanthrene
Concen: 20.621 ng
RT: 17.761 min Scan# 2463
Delta R.T. 0.002 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

Tgt Ion:178 Resp: 76250
Ion Ratio Lower Upper
178 100
176 17.8 14.4 21.6
179 15.6 12.7 19.1

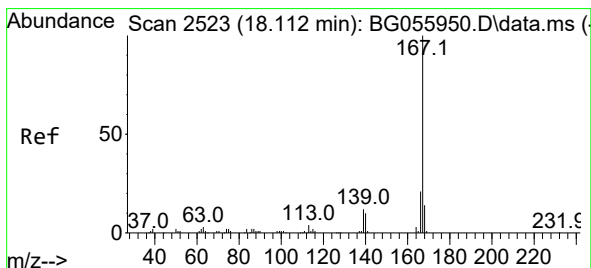
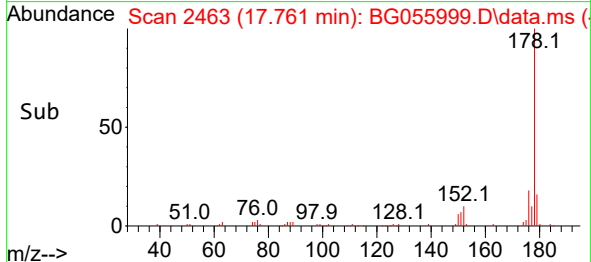
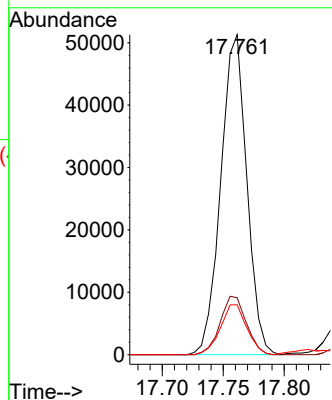
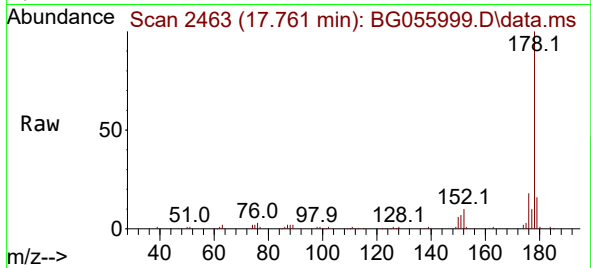




#72
 Anthracene
 Concen: 20.844 ng
 RT: 17.761 min Scan# 2478
 Delta R.T. -0.092 min
 Lab File: BG055999.D
 Acq: 16 Dec 2022 18:29

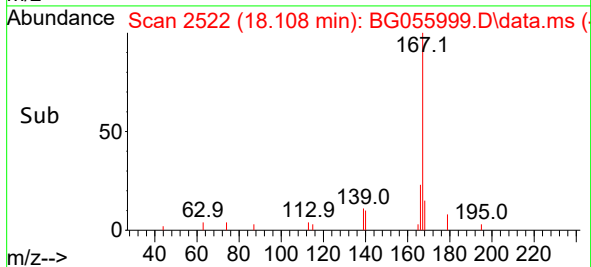
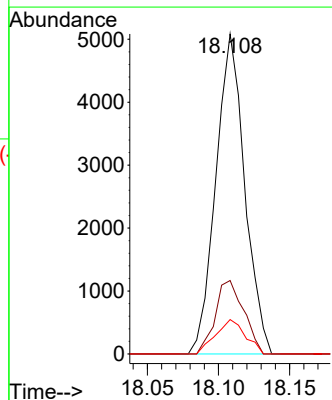
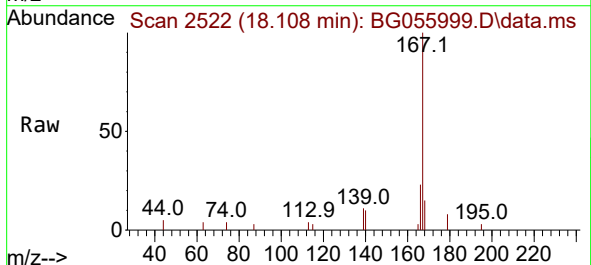
Instrument :
 BNA_G
 ClientSampleId :
 RB-38-(0-2)

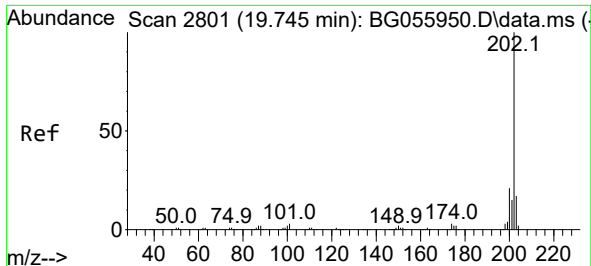
Tgt Ion:178 Resp: 76250
 Ion Ratio Lower Upper
 178 100
 176 17.8 13.9 20.9
 179 15.6 12.7 19.1



#73
 Carbazole
 Concen: 2.380 ng
 RT: 18.108 min Scan# 2522
 Delta R.T. -0.004 min
 Lab File: BG055999.D
 Acq: 16 Dec 2022 18:29

Tgt Ion:167 Resp: 7181
 Ion Ratio Lower Upper
 167 100
 166 23.0 16.6 25.0
 139 10.7 9.7 14.5

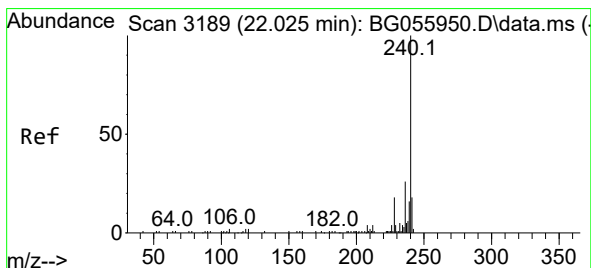
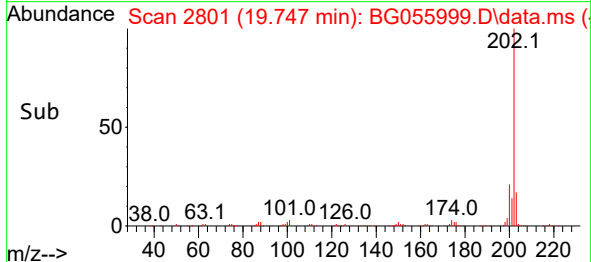
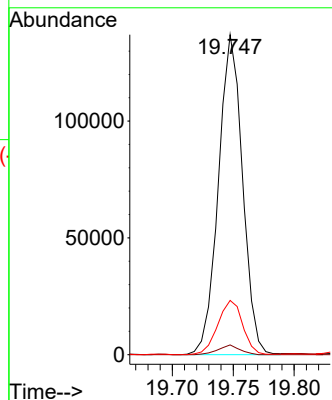
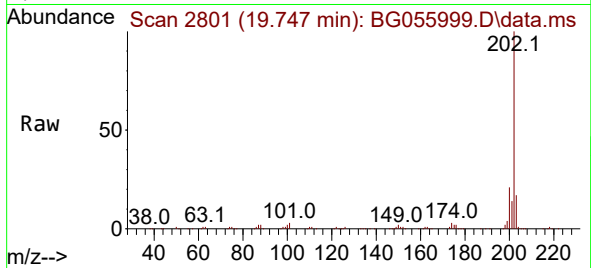




#75
Fluoranthene
Concen: 36.494 ng
RT: 19.747 min Scan# 2801
Delta R.T. -0.004 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

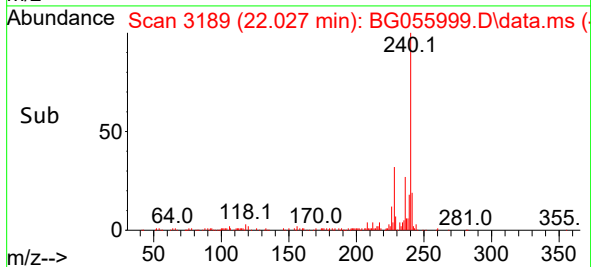
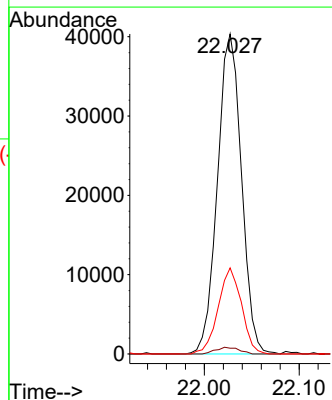
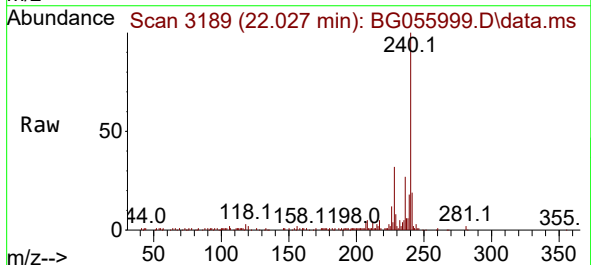
Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

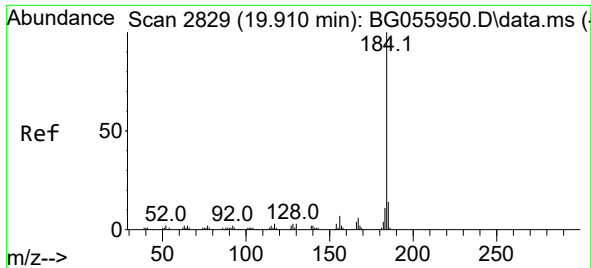
Tgt Ion:202 Resp: 188962
Ion Ratio Lower Upper
202 100
101 3.0 0.0 22.6
203 16.9 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.027 min Scan# 3189
Delta R.T. -0.004 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

Tgt Ion:240 Resp: 71058
Ion Ratio Lower Upper
240 100
120 1.8 1.7 2.5
236 26.9 21.1 31.7

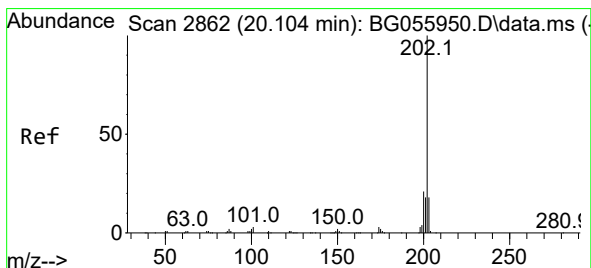
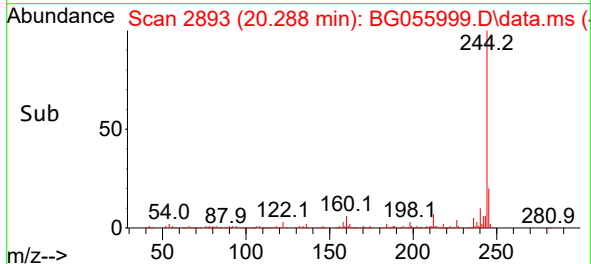
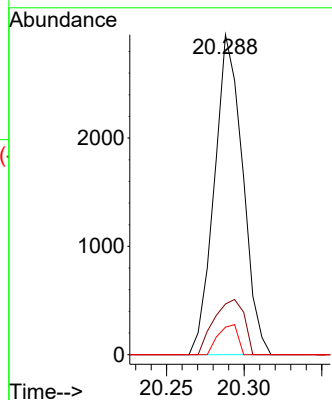
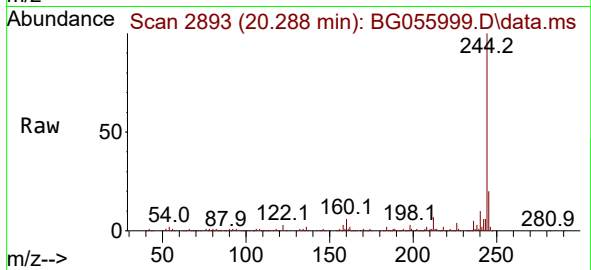




#77
Benzidine
Concen: 3.004 ng
RT: 20.288 min Scan# 2893
Delta R.T. 0.372 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

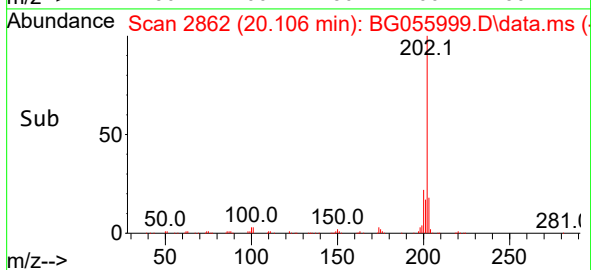
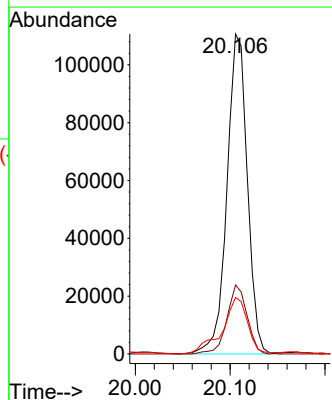
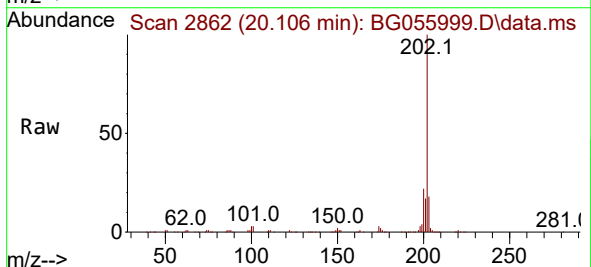
Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

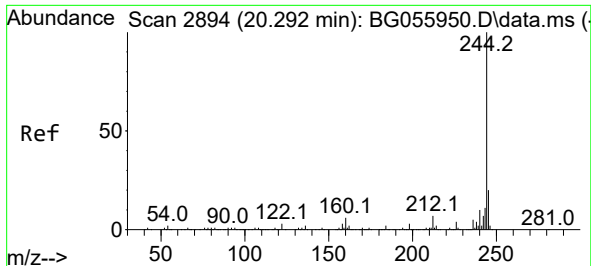
Tgt Ion:184 Resp: 3749
Ion Ratio Lower Upper
184 100
185 15.8 10.9 16.3
183 8.6 9.2 13.8#



#78
Pyrene
Concen: 38.439 ng
RT: 20.106 min Scan# 2862
Delta R.T. -0.004 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

Tgt Ion:202 Resp: 165280
Ion Ratio Lower Upper
202 100
200 21.5 16.7 25.1
203 17.6 14.6 21.8

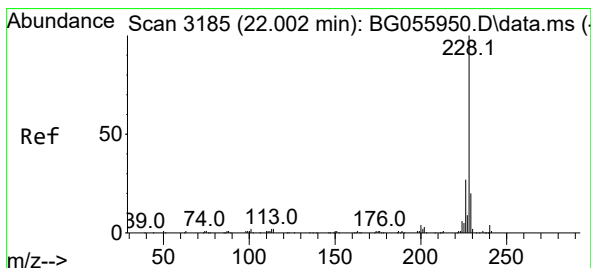
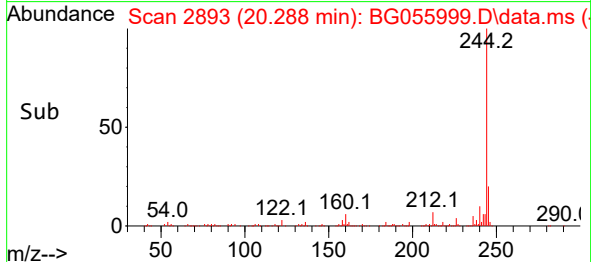
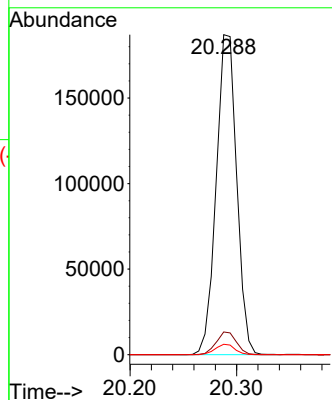
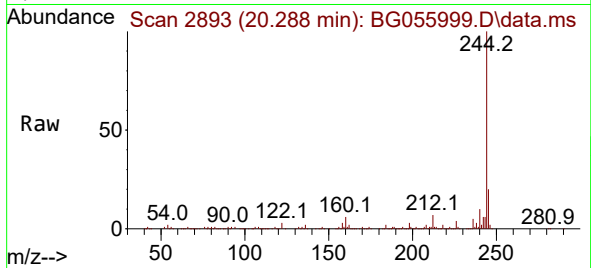




#79
 Terphenyl-d14
 Concen: 61.873 ng
 RT: 20.288 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG055999.D
 Acq: 16 Dec 2022 18:29

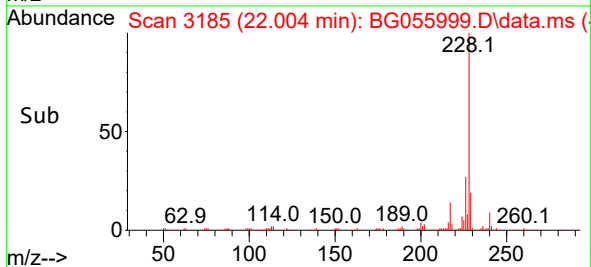
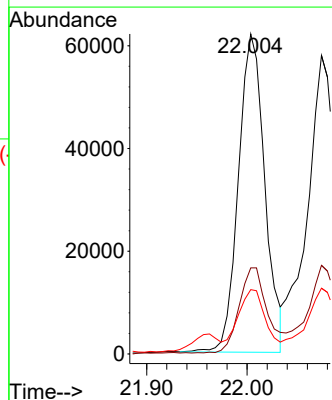
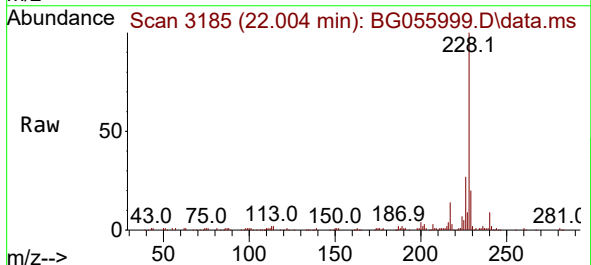
Instrument :
 BNA_G
 ClientSampleId :
 RB-38-(0-2)

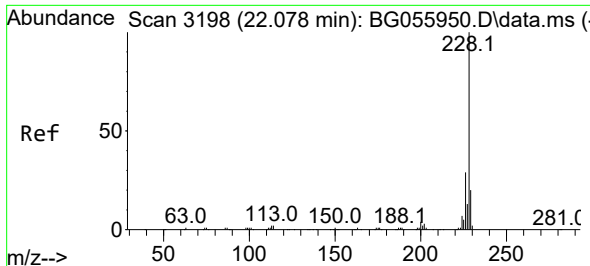
Tgt Ion:244 Resp: 248760
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 3.3 2.5 3.7



#81
 Benzo(a)anthracene
 Concen: 22.674 ng
 RT: 22.004 min Scan# 3185
 Delta R.T. -0.004 min
 Lab File: BG055999.D
 Acq: 16 Dec 2022 18:29

Tgt Ion:228 Resp: 113374
 Ion Ratio Lower Upper
 228 100
 226 26.9 21.8 32.6
 229 20.1 15.9 23.9

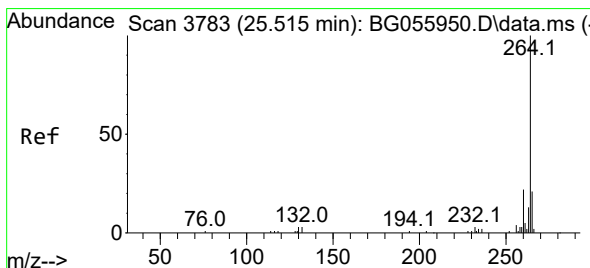
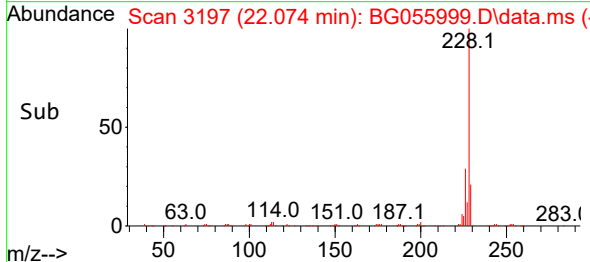
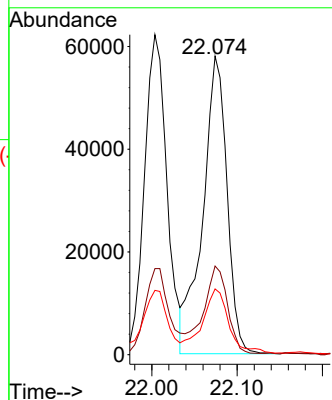
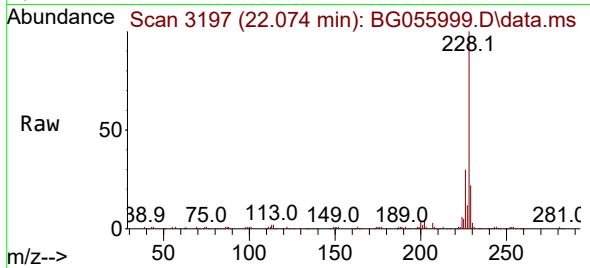




#83
Chrysene
Concen: 24.381 ng
RT: 22.074 min Scan# 3197
Delta R.T. -0.010 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

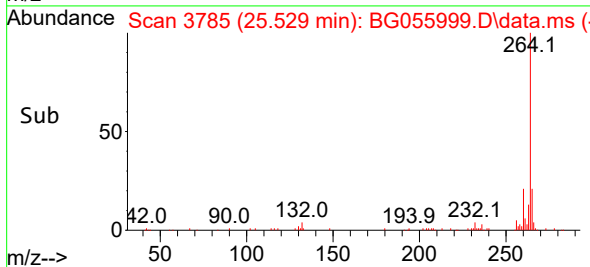
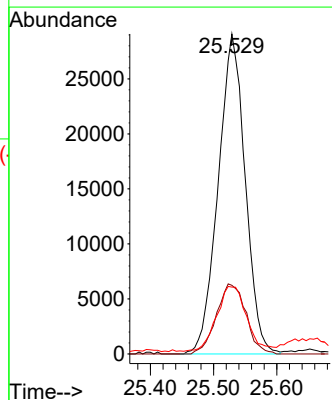
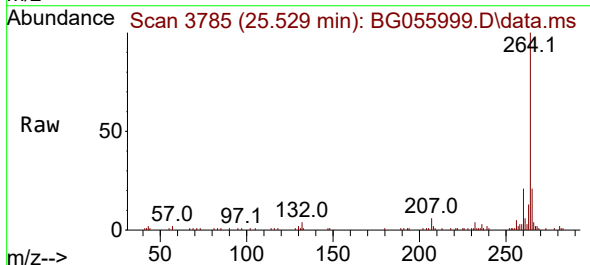
Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

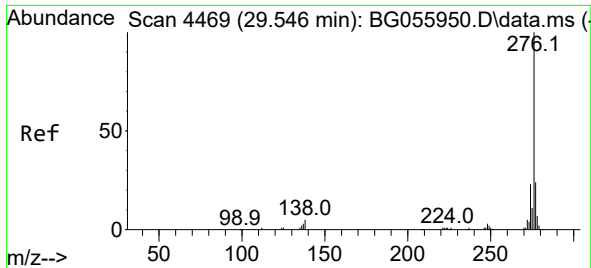
Tgt Ion:228 Resp: 114257
Ion Ratio Lower Upper
228 100
226 29.7 23.1 34.7
229 22.0 15.7 23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.529 min Scan# 3785
Delta R.T. -0.004 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

Tgt Ion:264 Resp: 86374
Ion Ratio Lower Upper
264 100
260 21.4 17.8 26.8
265 20.9 16.6 25.0

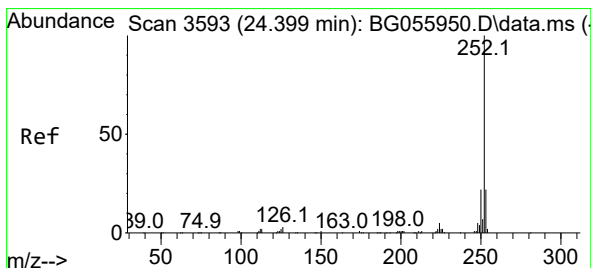
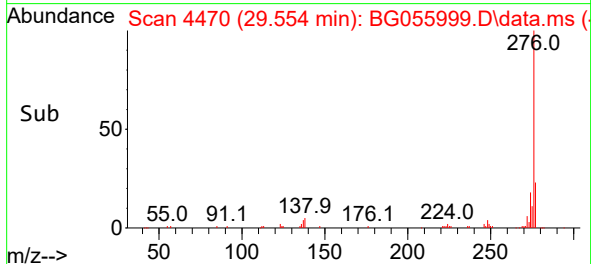
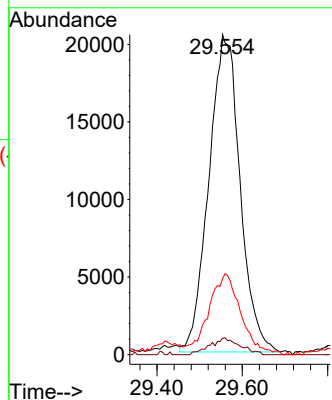
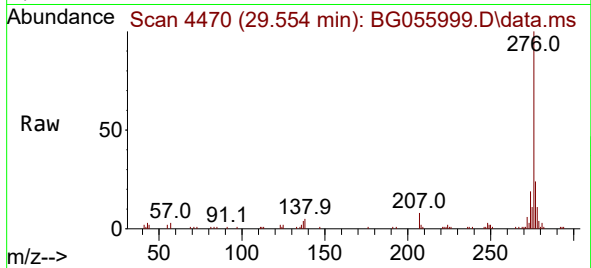




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 14.934 ng
 RT: 29.554 min Scan# 4469
 Delta R.T. -0.016 min
 Lab File: BG055999.D
 Acq: 16 Dec 2022 18:29

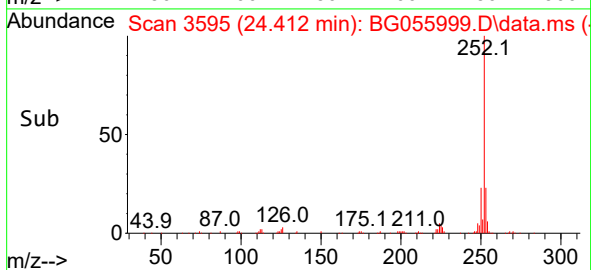
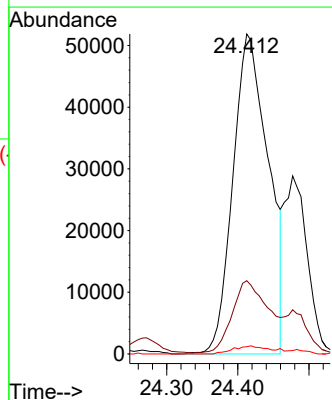
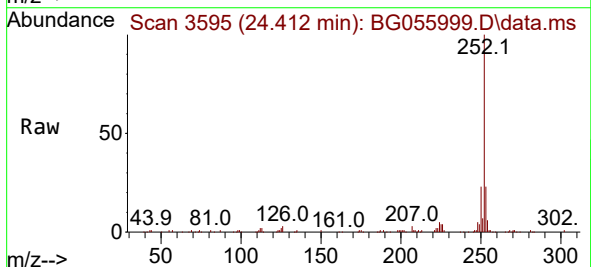
Instrument :
 BNA_G
 ClientSampleId :
 RB-38-(0-2)

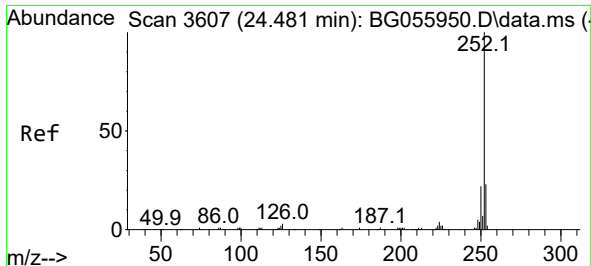
Tgt Ion:276 Resp: 103727
 Ion Ratio Lower Upper
 276 100
 138 5.1 3.0 4.4#
 277 26.5 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 32.138 ng
 RT: 24.412 min Scan# 3595
 Delta R.T. -0.004 min
 Lab File: BG055999.D
 Acq: 16 Dec 2022 18:29

Tgt Ion:252 Resp: 179650
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.4 26.0
 125 2.3 1.8 2.8





#89

Benzo(k)fluoranthene

Concen: 32.211 ng

RT: 24.412 min Scan# 3

Delta R.T. -0.074 min

Lab File: BG055999.D

Acq: 16 Dec 2022 18:29

Instrument :

BNA_G

ClientSampleId :

RB-38-(0-2)

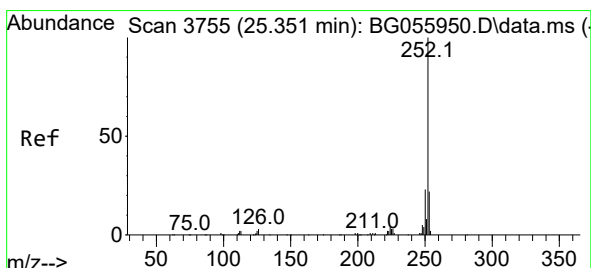
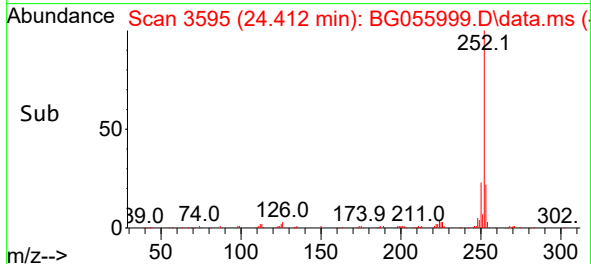
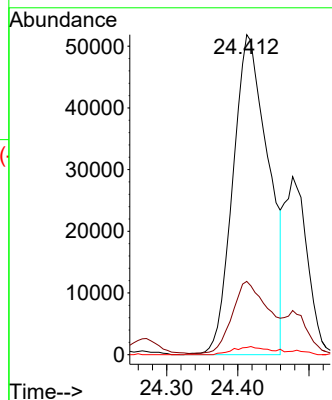
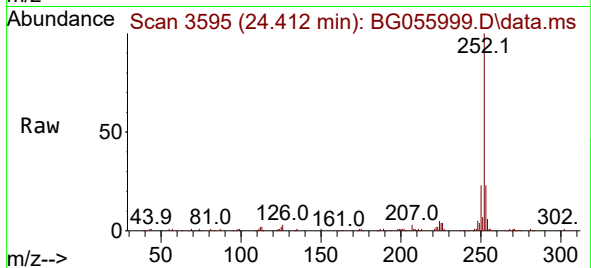
Tgt Ion:252 Resp: 179650

Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.2

125 2.3 2.0 3.0



#90

Benzo(a)pyrene

Concen: 28.118 ng

RT: 25.364 min Scan# 3757

Delta R.T. -0.010 min

Lab File: BG055999.D

Acq: 16 Dec 2022 18:29

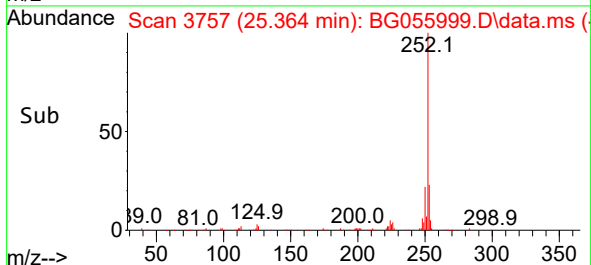
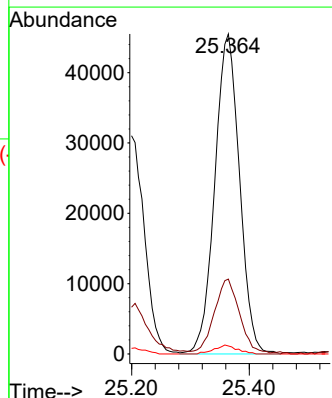
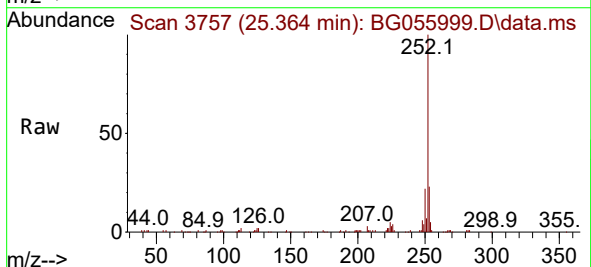
Tgt Ion:252 Resp: 132862

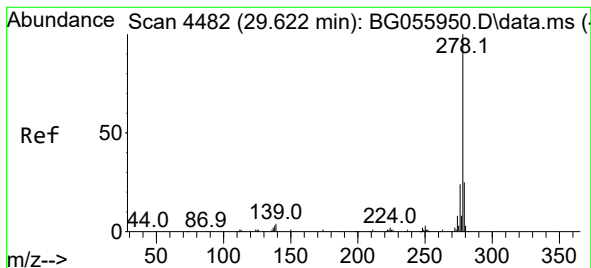
Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 2.5 1.9 2.9





#91

Dibenzo(a,h)anthracene

Concen: 5.413 ng

RT: 29.606 min Scan# 4482

Delta R.T. -0.045 min

Lab File: BG055999.D

Acq: 16 Dec 2022 18:29

Instrument :

BNA_G

ClientSampleId :

RB-38-(0-2)

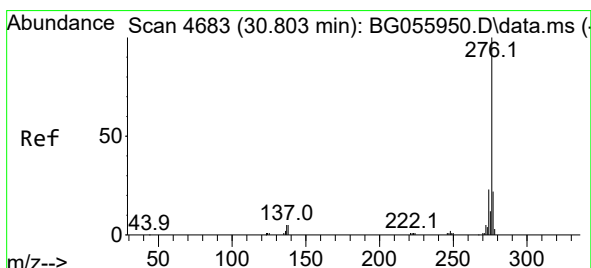
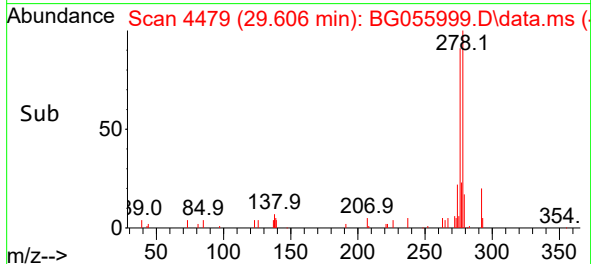
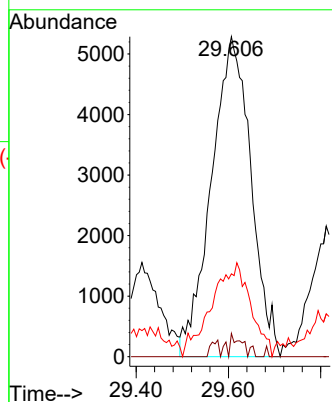
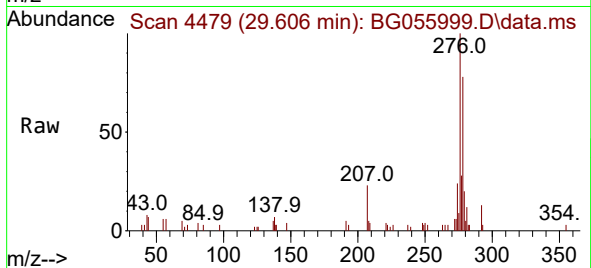
Tgt Ion:278 Resp: 31471

Ion Ratio Lower Upper

278 100

139 7.2 2.9 4.3#

279 25.9 20.0 30.0



#92

Benzo(g,h,i)perylene

Concen: 17.161 ng

RT: 30.817 min Scan# 4685

Delta R.T. -0.021 min

Lab File: BG055999.D

Acq: 16 Dec 2022 18:29

Tgt Ion:276 Resp: 96457

Ion Ratio Lower Upper

276 100

277 24.1 17.8 26.6

138 5.4 3.8 5.6

