

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
 Data File : BG056005.D
 Acq On : 16 Dec 2022 22:36
 Operator : CG/JU
 Sample : N6024-04DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-21DL

Quant Time: Dec 17 01:26:19 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

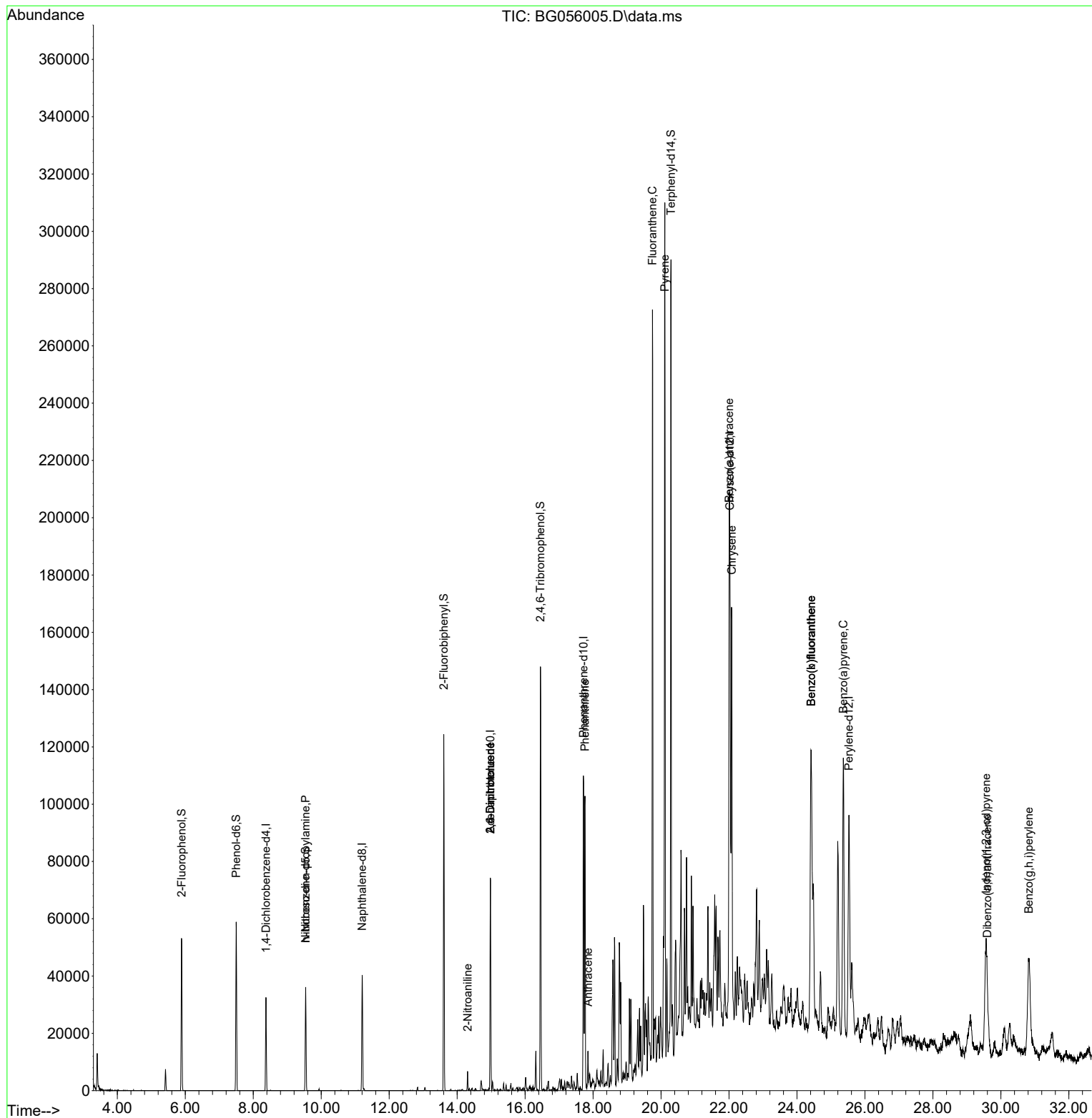
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.371	152	10092	20.000	ng	0.00
21) Naphthalene-d8	11.203	136	36155	20.000	ng	# 0.00
39) Acenaphthene-d10	14.975	164	30712	20.000	ng	0.00
64) Phenanthrene-d10	17.719	188	79900	20.000	ng	0.00
76) Chrysene-d12	22.026	240	82267	20.000	ng	0.00
86) Perylene-d12	25.528	264	98976	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.892	112	22567	52.441	ng	0.00
7) Phenol-d6	7.496	99	28057	50.693	ng	0.00
23) Nitrobenzene-d5	9.540	82	18494	35.746	ng	0.00
42) 2,4,6-Tribromophenol	16.450	330	40679	54.930	ng	-0.01
45) 2-Fluorobiphenyl	13.606	172	67119	30.650	ng	0.00
79) Terphenyl-d14	20.293	244	142210	30.552	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.540	70	3030	7.638	ng	# 74
48) 2-Nitroaniline	14.311	65	59	2.981	ng	# 1
51) 2,6-Dinitrotoluene	14.975	165	4077	9.922	ng	# 25
57) 2,4-Dinitrotoluene	14.975	165	4077	6.573	ng	# 35
71) Phenanthrene	17.760	178	74649	17.828	ng	99
72) Anthracene	17.848	178	10074	2.432	ng	96
75) Fluoranthene	19.746	202	183213	31.247	ng	97
78) Pyrene	20.110	202	206211	41.424	ng	100
81) Benzo(a)anthracene	22.002	228	117153	20.237	ng	97
83) Chrysene	22.079	228	124343	22.918	ng	97
87) Indeno(1,2,3-cd)pyrene	29.564	276	87803	11.032	ng	# 98
88) Benzo(b)fluoranthene	24.417	252	158473	24.740	ng	99
89) Benzo(k)fluoranthene	24.417	252	158473	24.796	ng	99
90) Benzo(a)pyrene	25.363	252	129001	23.825	ng	100
91) Dibenzo(a,h)anthracene	29.599	278	25525	3.832	ng	# 92
92) Benzo(g,h,i)perylene	30.821	276	94292	14.640	ng	99

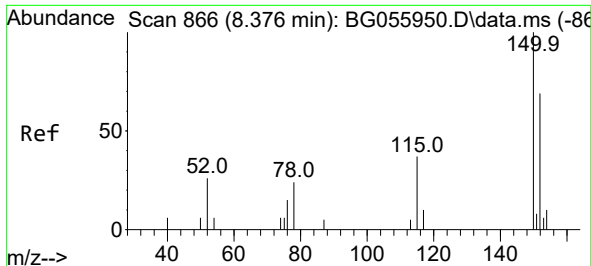
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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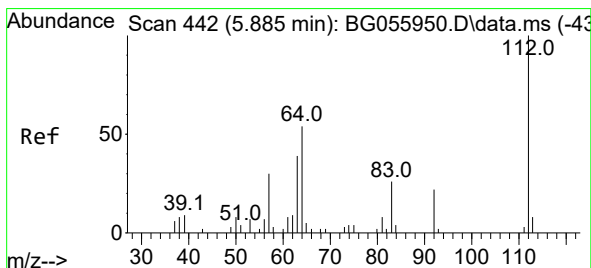
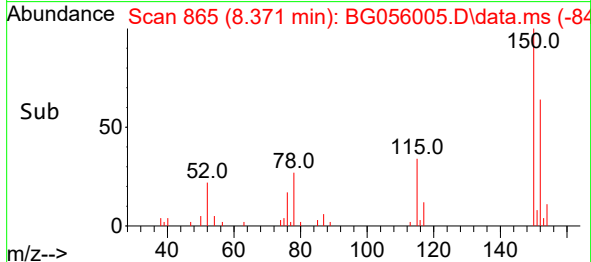
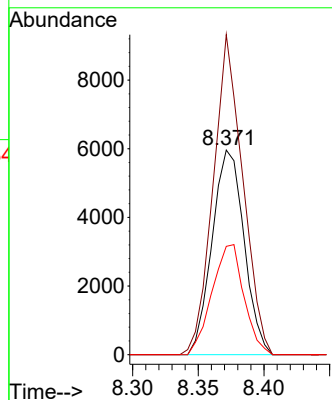
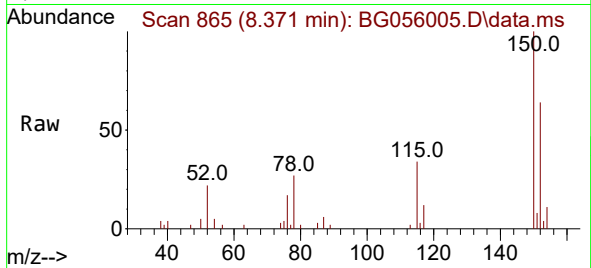




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.371 min Scan# 80
Delta R.T. -0.005 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

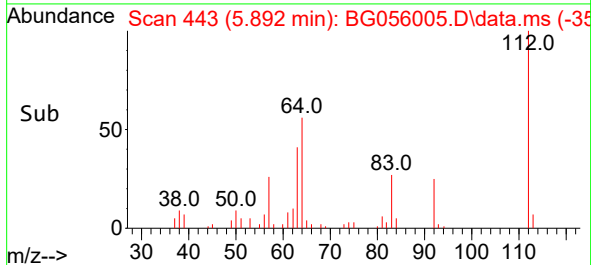
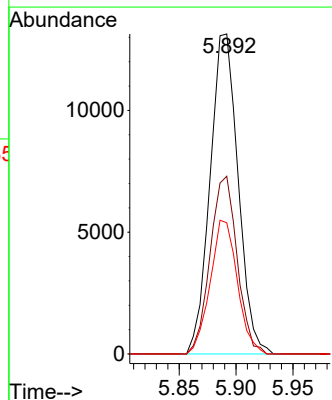
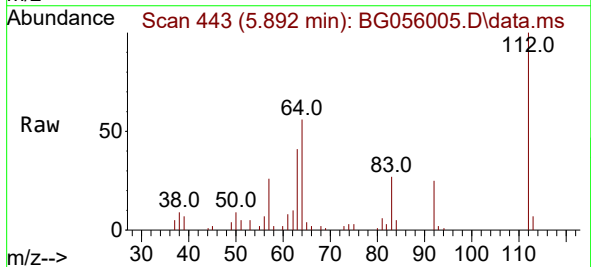
Instrument :
BNA_G
ClientSampleId :
MH-21DL

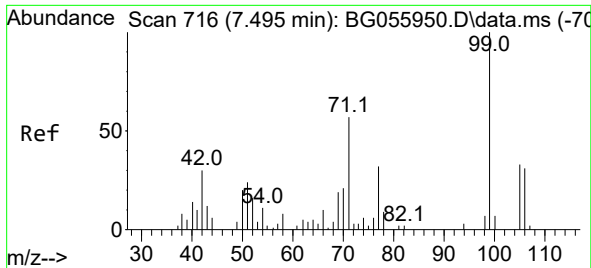
Tgt Ion:152 Resp: 10092
Ion Ratio Lower Upper
152 100
150 156.3 115.7 173.5
115 52.9 43.0 64.4



#5
2-Fluorophenol
Concen: 52.441 ng
RT: 5.892 min Scan# 443
Delta R.T. 0.007 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

Tgt Ion:112 Resp: 22567
Ion Ratio Lower Upper
112 100
64 55.6 43.0 64.4
63 41.0 31.4 47.2

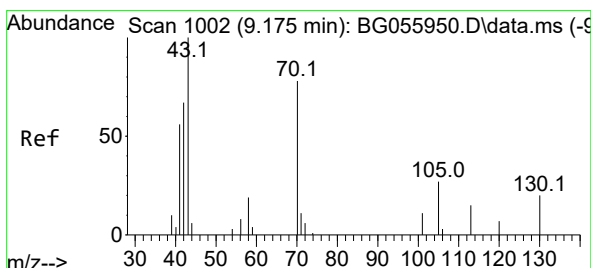
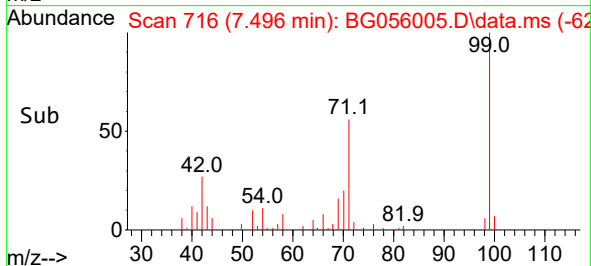
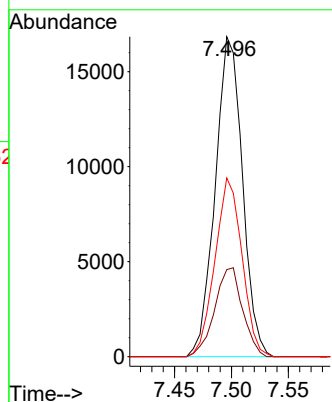
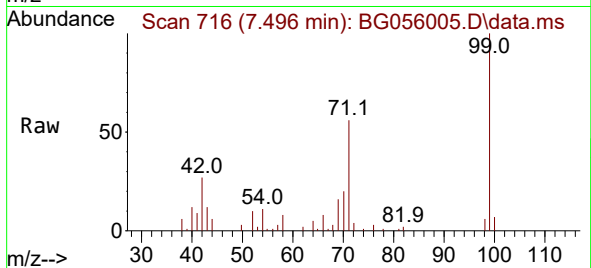




#7
Phenol-d6
Concen: 50.693 ng
RT: 7.496 min Scan# 716
Delta R.T. -0.005 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

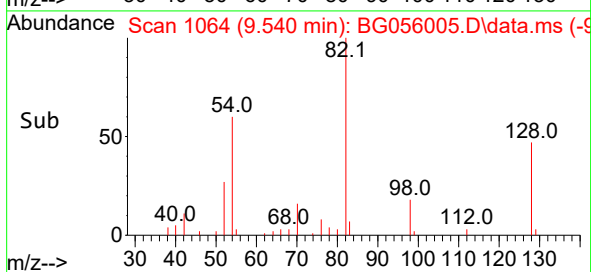
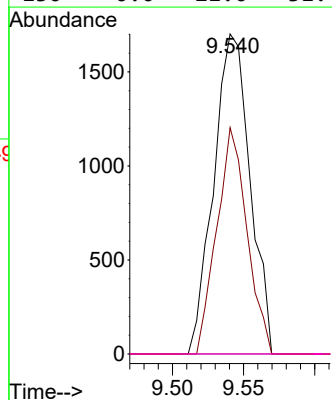
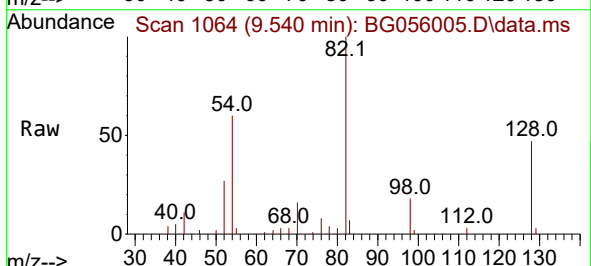
Instrument :
BNA_G
ClientSampleId :
MH-21DL

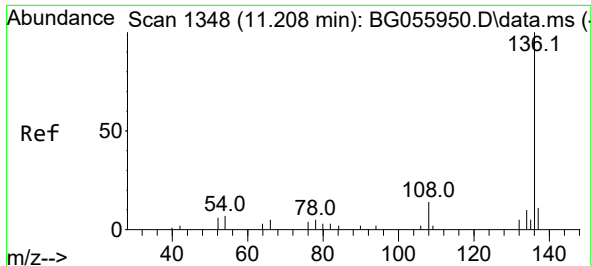
Tgt Ion: 99 Resp: 28057
Ion Ratio Lower Upper
99 100
42 27.2 24.3 36.5
71 55.8 45.6 68.4



#19
n-Nitroso-di-n-propylamine
Concen: 7.638 ng
RT: 9.540 min Scan# 1064
Delta R.T. 0.365 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

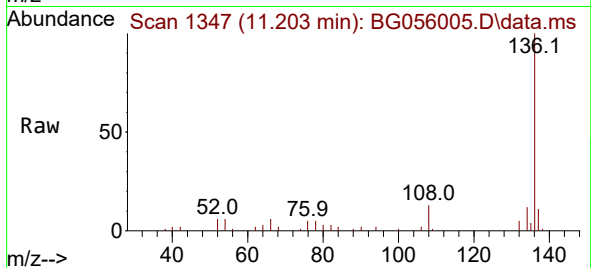
Tgt Ion: 70 Resp: 3030
Ion Ratio Lower Upper
70 100
42 70.7 69.0 103.4
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#



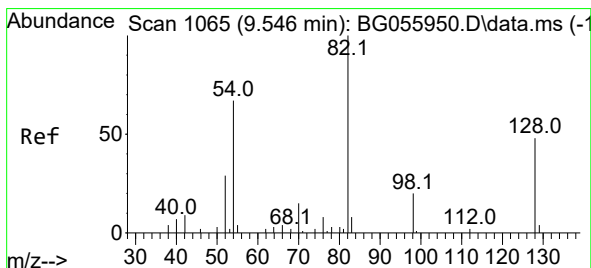
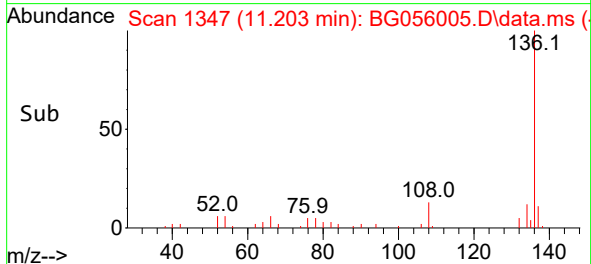
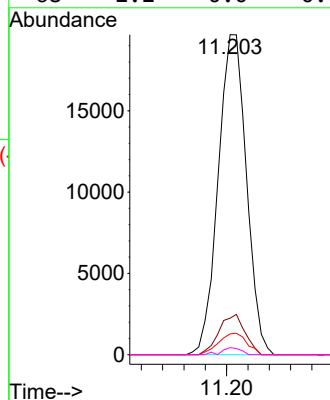


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.203 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

Instrument :
BNA_G
ClientSampleId :
MH-21DL

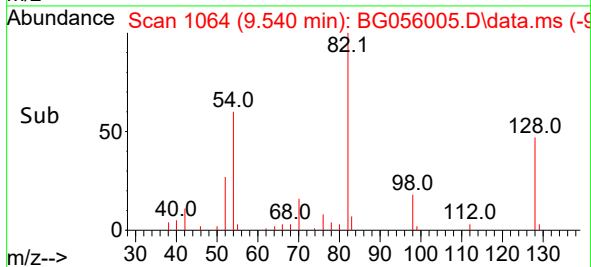
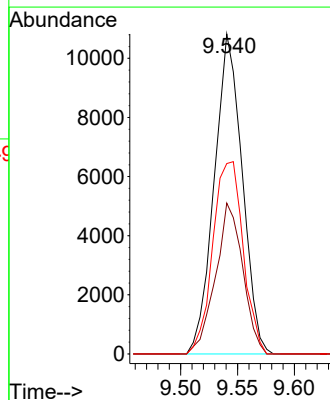
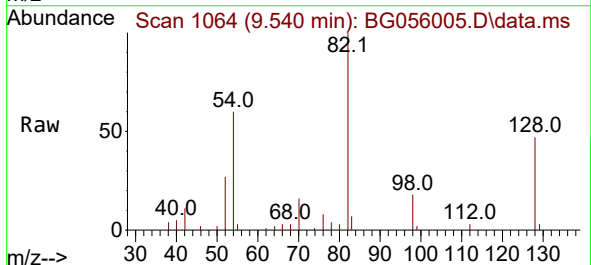


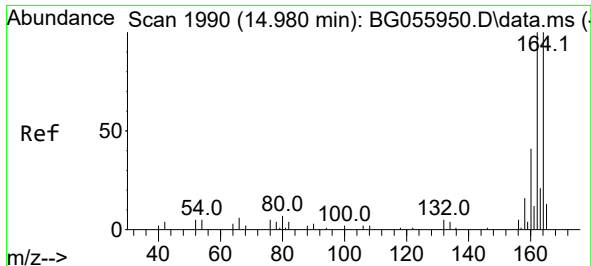
Tgt Ion:136 Resp: 36155
Ion Ratio Lower Upper
136 100
137 11.4 9.2 13.8
54 6.5 5.6 8.4
68 2.2 0.0 0.0#



#23
Nitrobenzene-d5
Concen: 35.746 ng
RT: 9.540 min Scan# 1064
Delta R.T. -0.005 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

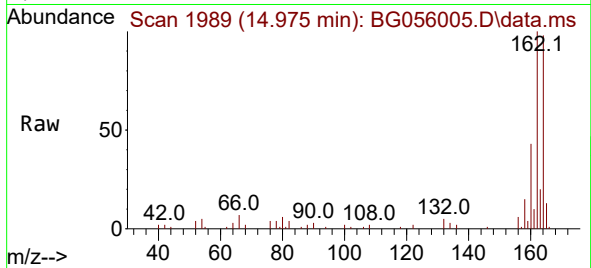
Tgt Ion: 82 Resp: 18494
Ion Ratio Lower Upper
82 100
128 47.1 38.4 57.6
54 59.5 53.3 79.9



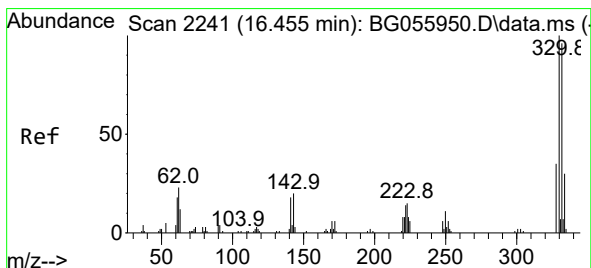
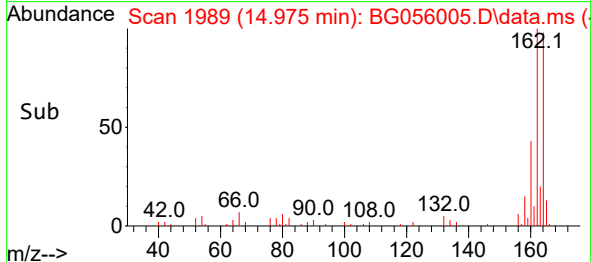
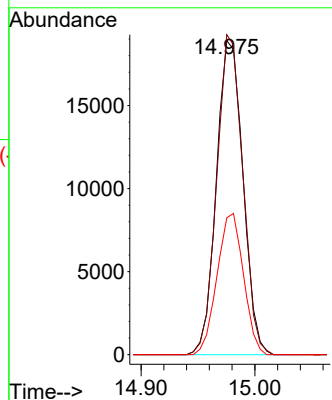


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.975 min Scan# 1989
Delta R.T. -0.005 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

Instrument :
BNA_G
ClientSampleId :
MH-21DL

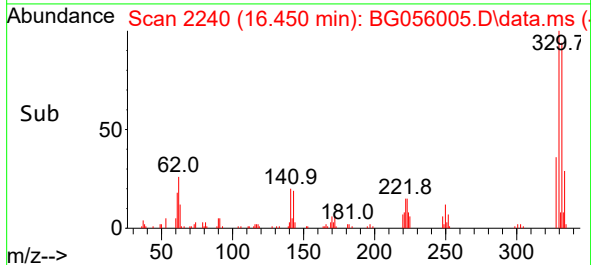
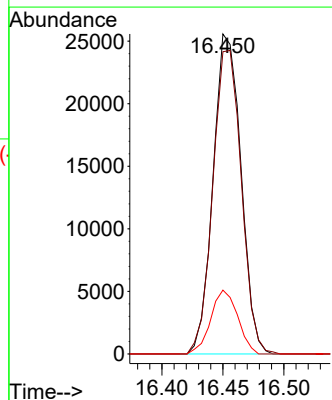
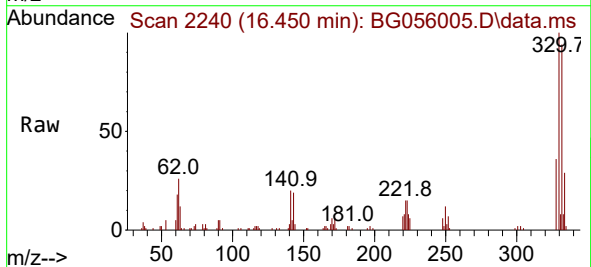


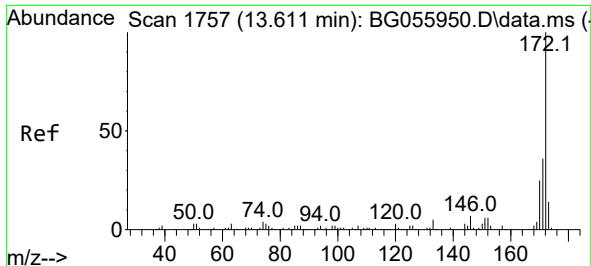
Tgt Ion:164 Resp: 30712
Ion Ratio Lower Upper
164 100
162 101.9 79.8 119.8
160 43.5 33.0 49.4



#42
2,4,6-Tribromophenol
Concen: 54.930 ng
RT: 16.450 min Scan# 2240
Delta R.T. -0.011 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

Tgt Ion:330 Resp: 40679
Ion Ratio Lower Upper
330 100
332 97.0 76.6 114.8
141 19.3 15.0 22.4

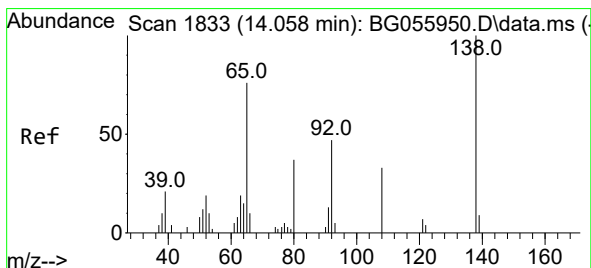
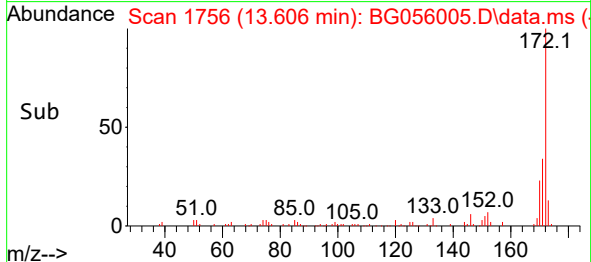
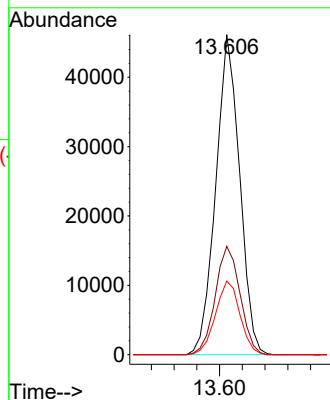
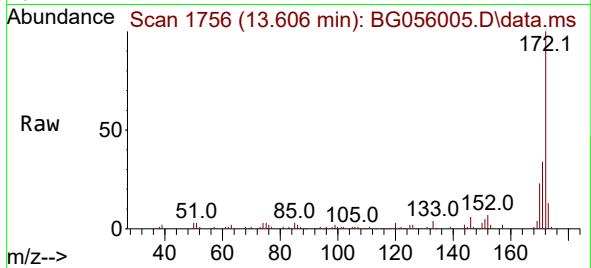




#45
2-Fluorobiphenyl
Concen: 30.650 ng
RT: 13.606 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

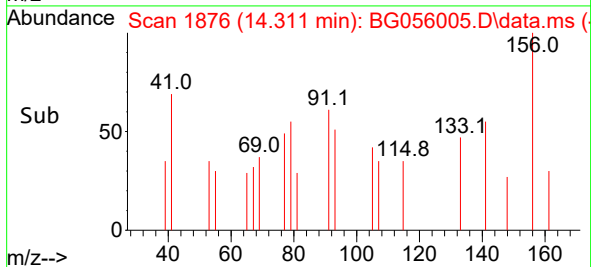
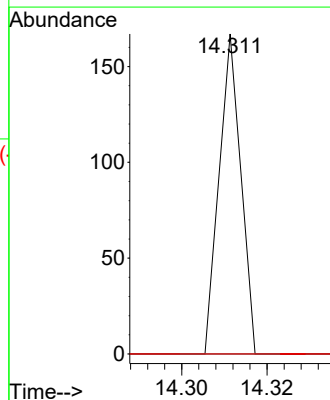
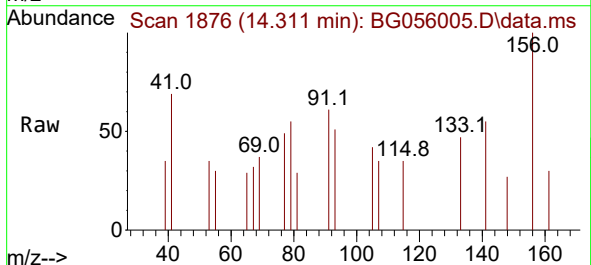
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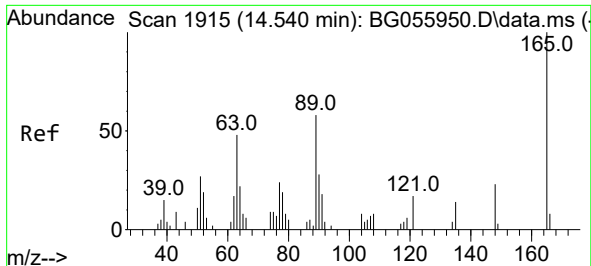
Tgt Ion:172 Resp: 67119
Ion Ratio Lower Upper
172 100
171 33.8 28.6 42.8
170 23.0 19.9 29.9



#48
2-Nitroaniline
Concen: 2.981 ng
RT: 14.311 min Scan# 1876
Delta R.T. 0.253 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

Tgt Ion: 65 Resp: 59
Ion Ratio Lower Upper
65 100
92 0.0 49.7 74.5#
138 0.0 105.0 157.6#

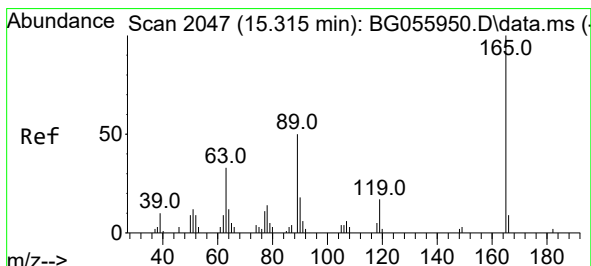
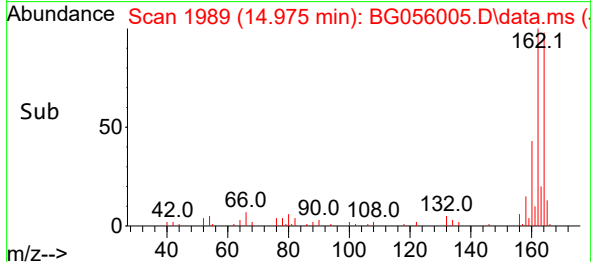
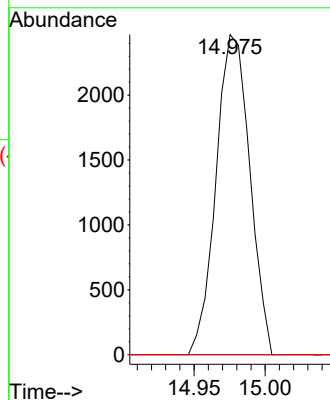
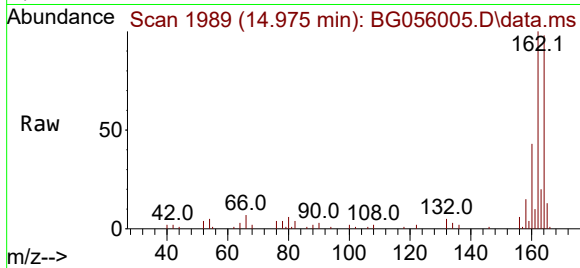




#51
2,6-Dinitrotoluene
Concen: 9.922 ng
RT: 14.975 min Scan# 1915
Delta R.T. 0.430 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

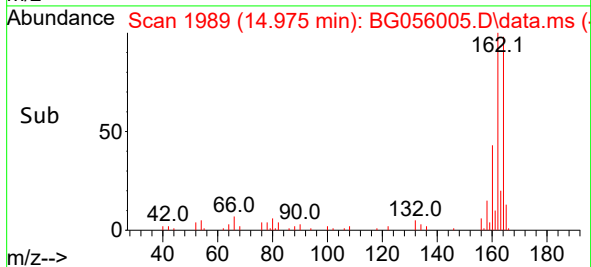
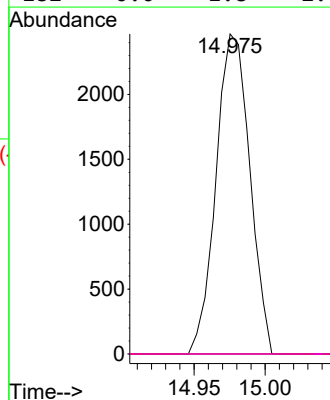
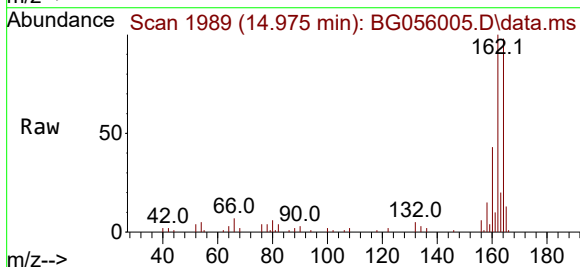
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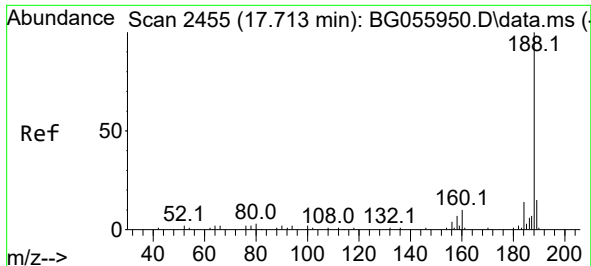
Tgt Ion:165 Resp: 4077
Ion Ratio Lower Upper
165 100
63 0.0 38.3 57.5#
89 0.0 46.3 69.5#



#57
2,4-Dinitrotoluene
Concen: 6.573 ng
RT: 14.975 min Scan# 1989
Delta R.T. -0.346 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

Tgt Ion:165 Resp: 4077
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#

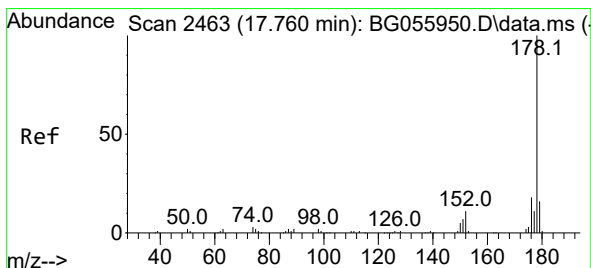
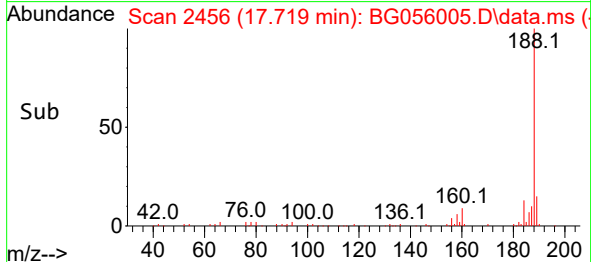
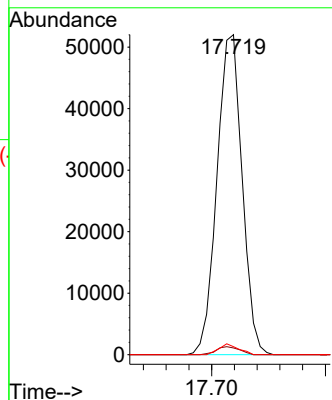
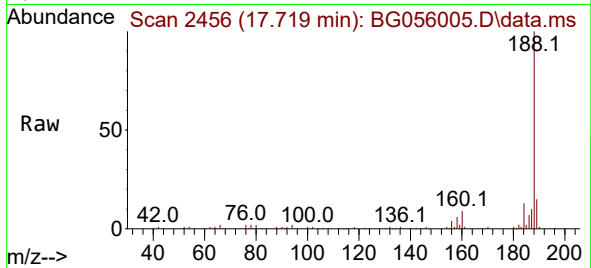




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.719 min Scan# 2455
Delta R.T. 0.001 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

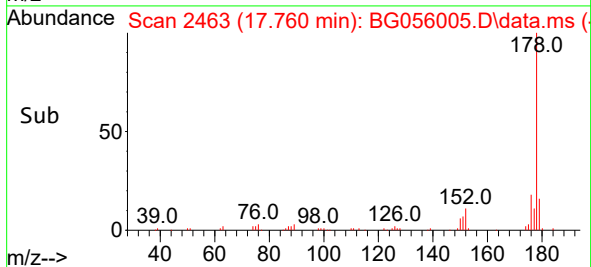
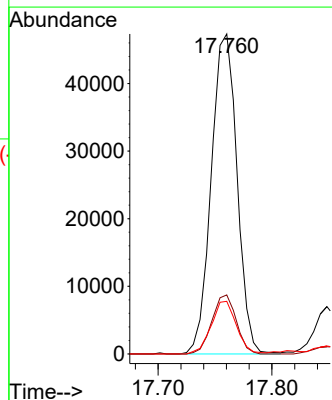
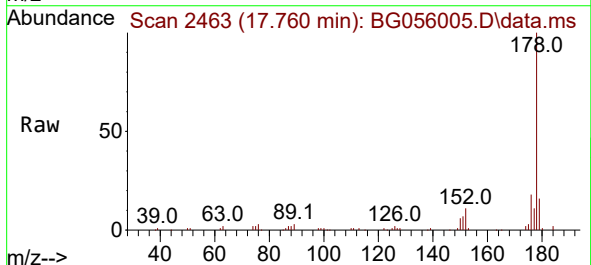
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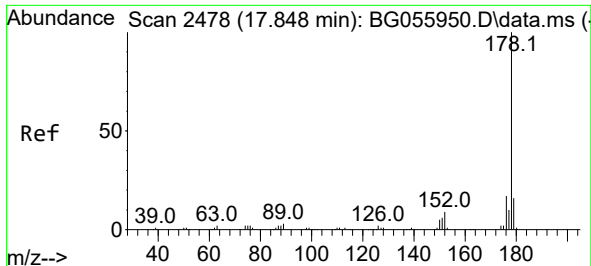
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Ion Ratio Lower Upper
188 100
94 2.1 1.8 2.8
80 2.5 2.4 3.6



#71
Phenanthrene
Concen: 17.828 ng
RT: 17.760 min Scan# 2463
Delta R.T. 0.001 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

Tgt Ion:178 Resp: 74649
Ion Ratio Lower Upper
178 100
176 18.5 14.4 21.6
179 16.5 12.7 19.1

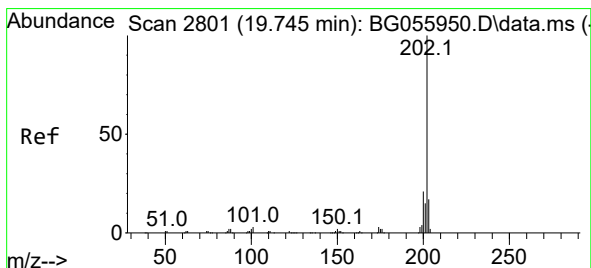
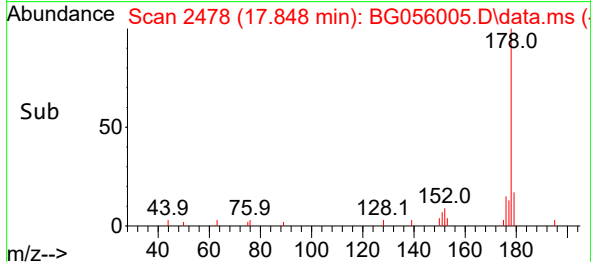
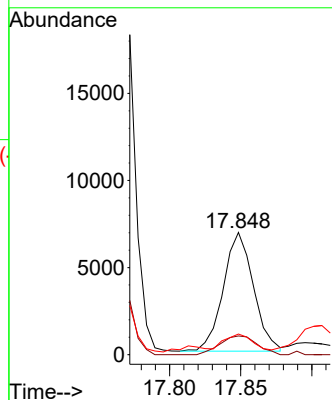
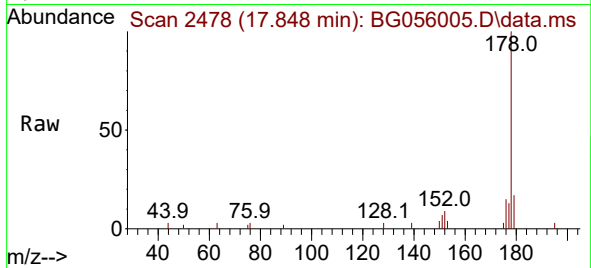




#72
 Anthracene
 Concen: 2.432 ng
 RT: 17.848 min Scan# 2478
 Delta R.T. -0.005 min
 Lab File: BG056005.D
 Acq: 16 Dec 2022 22:36

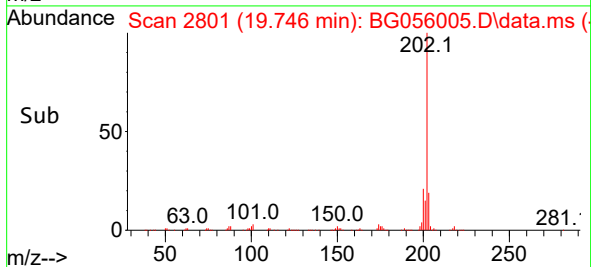
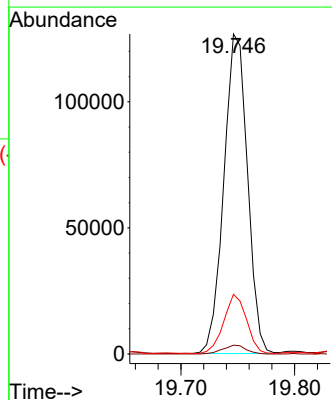
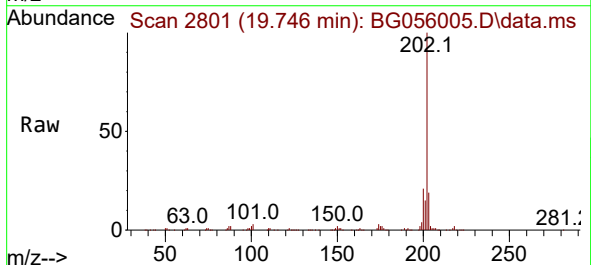
Instrument :
 BNA_G
 ClientSampleId :
 MH-21DL

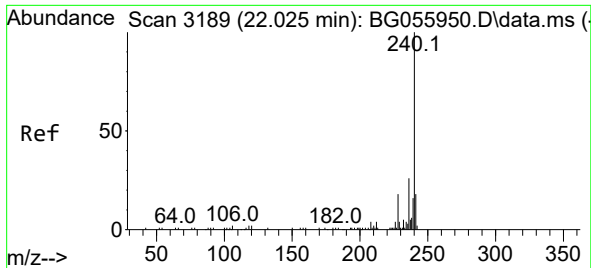
Tgt Ion:178 Resp: 10074
 Ion Ratio Lower Upper
 178 100
 176 15.3 13.9 20.9
 179 16.9 12.7 19.1



#75
 Fluoranthene
 Concen: 31.247 ng
 RT: 19.746 min Scan# 2801
 Delta R.T. -0.005 min
 Lab File: BG056005.D
 Acq: 16 Dec 2022 22:36

Tgt Ion:202 Resp: 183213
 Ion Ratio Lower Upper
 202 100
 101 2.8 0.0 22.6
 203 18.6 0.0 37.1

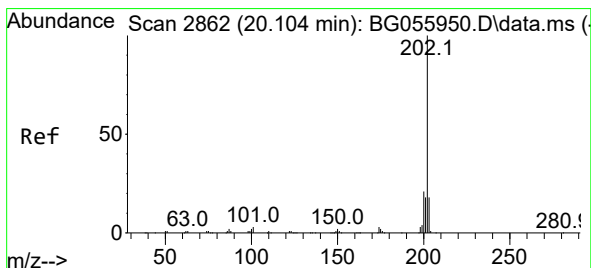
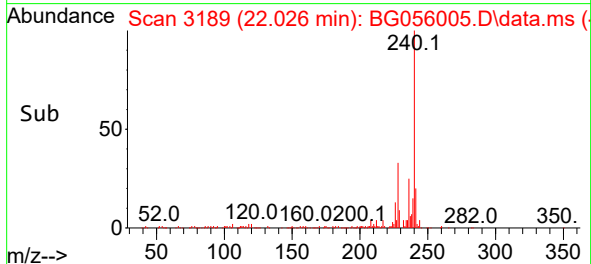
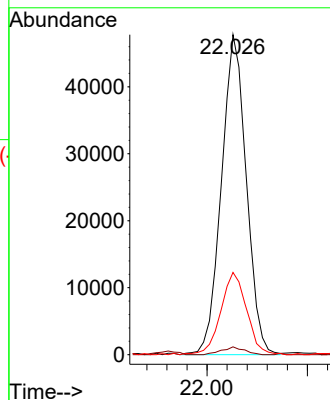
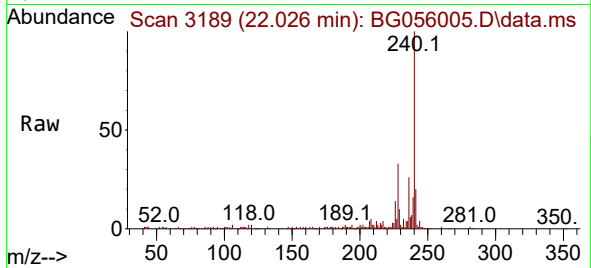




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.026 min Scan# 3189
Delta R.T. -0.005 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

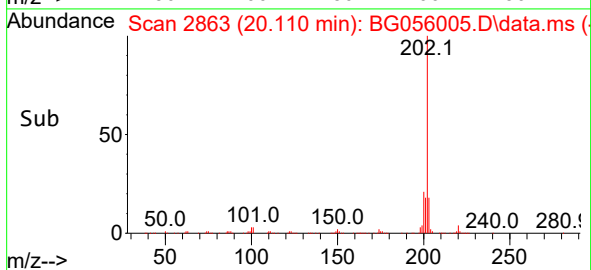
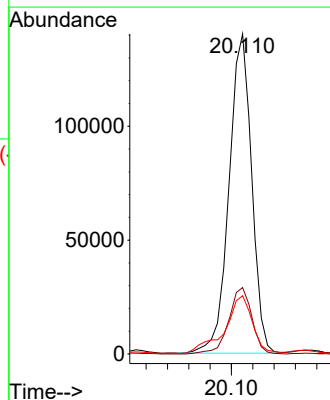
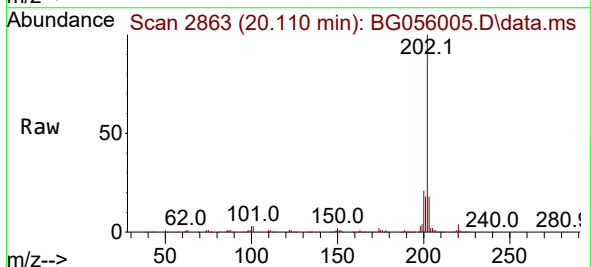
Instrument :
BNA_G
ClientSampleId :
MH-21DL

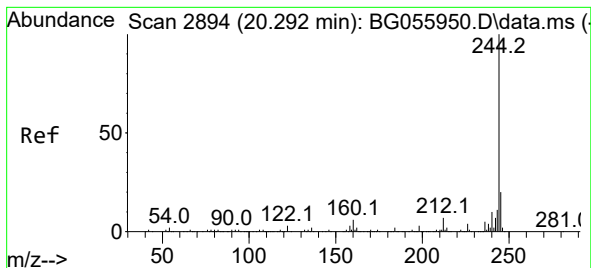
Tgt Ion:240 Resp: 82267
Ion Ratio Lower Upper
240 100
120 2.5 1.7 2.5
236 25.7 21.1 31.7



#78
Pyrene
Concen: 41.424 ng
RT: 20.110 min Scan# 2863
Delta R.T. 0.001 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

Tgt Ion:202 Resp: 206211
Ion Ratio Lower Upper
202 100
200 20.7 16.7 25.1
203 18.2 14.6 21.8





#79

Terphenyl-d14

Concen: 30.552 ng

RT: 20.293 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG056005.D

Acq: 16 Dec 2022 22:36

Instrument :

BNA_G

ClientSampleId :

MH-21DL

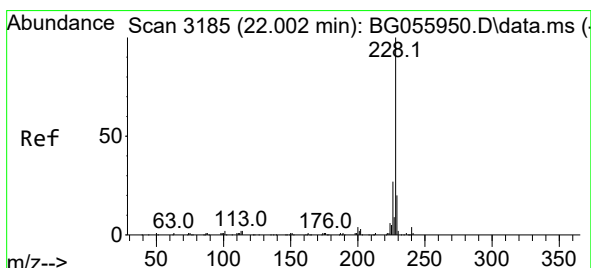
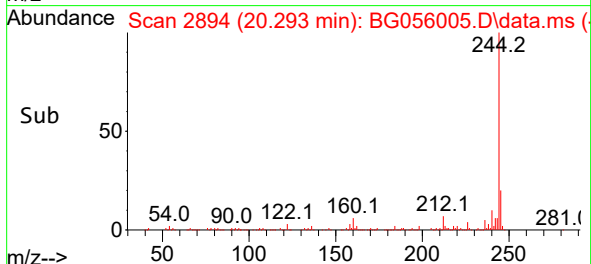
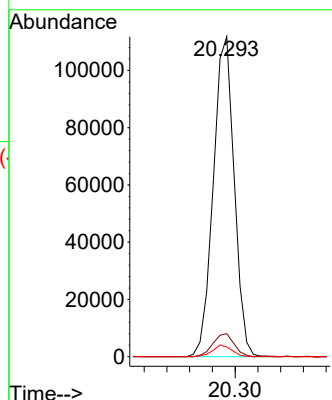
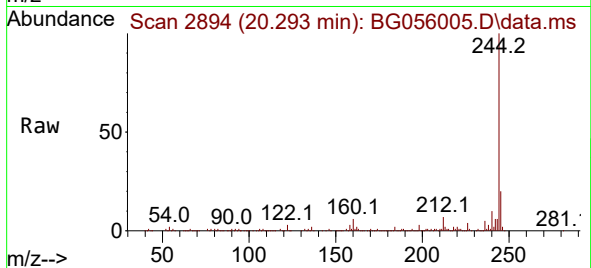
Tgt Ion:244 Resp: 142210

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 3.1 2.5 3.7



#81

Benzo(a)anthracene

Concen: 20.237 ng

RT: 22.002 min Scan# 3185

Delta R.T. -0.005 min

Lab File: BG056005.D

Acq: 16 Dec 2022 22:36

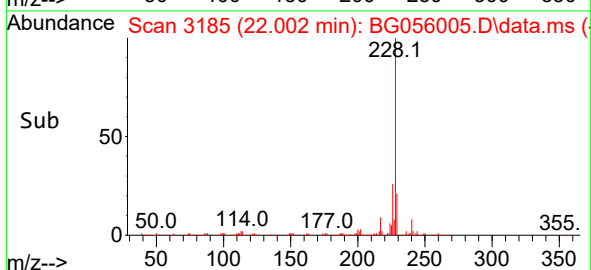
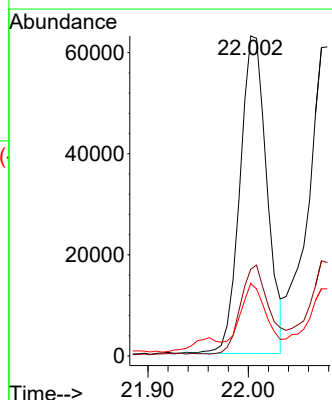
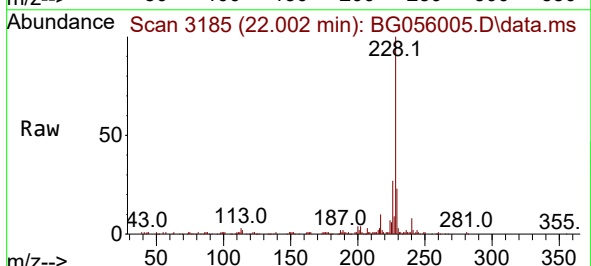
Tgt Ion:228 Resp: 117153

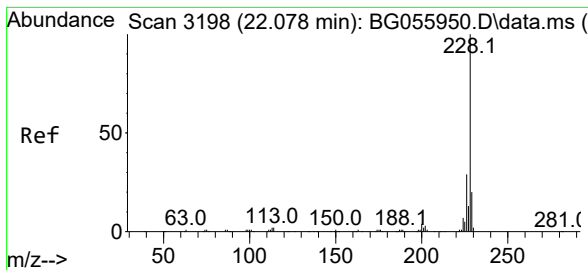
Ion Ratio Lower Upper

228 100

226 27.1 21.8 32.6

229 22.7 15.9 23.9





#83

Chrysene

Concen: 22.918 ng

RT: 22.079 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG056005.D

Acq: 16 Dec 2022 22:36

Instrument :

BNA_G

ClientSampleId :

MH-21DL

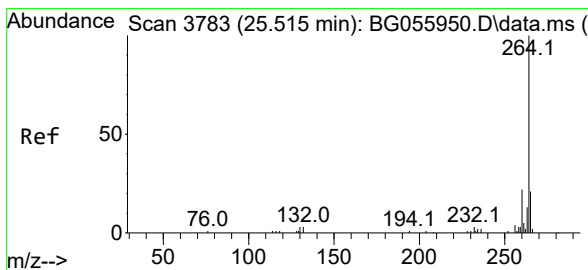
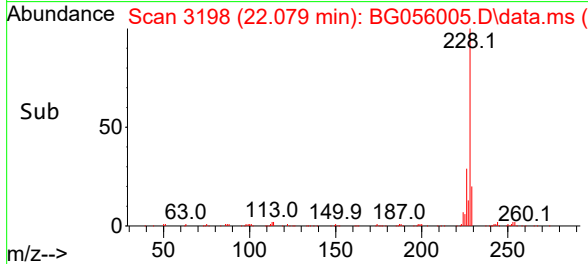
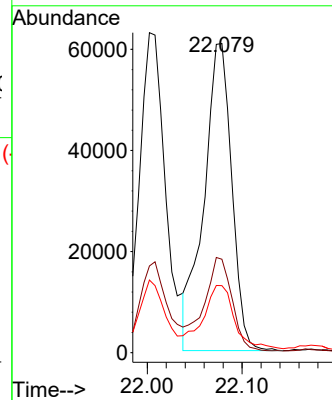
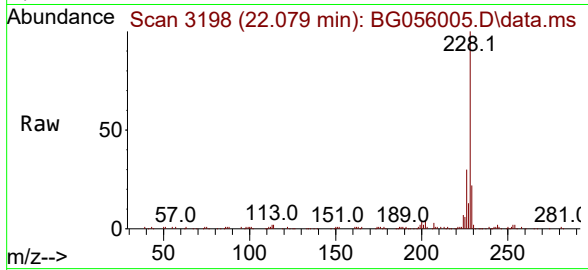
Tgt Ion:228 Resp: 124343

Ion Ratio Lower Upper

228 100

226 30.2 23.1 34.7

229 21.7 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.528 min Scan# 3785

Delta R.T. -0.005 min

Lab File: BG056005.D

Acq: 16 Dec 2022 22:36

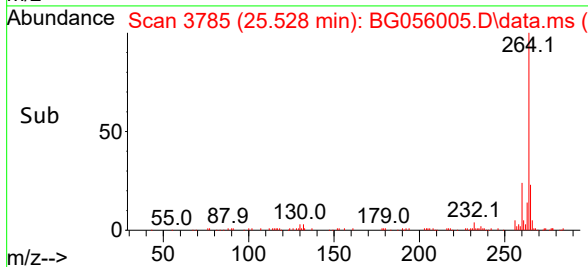
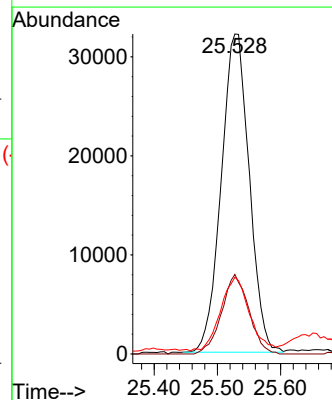
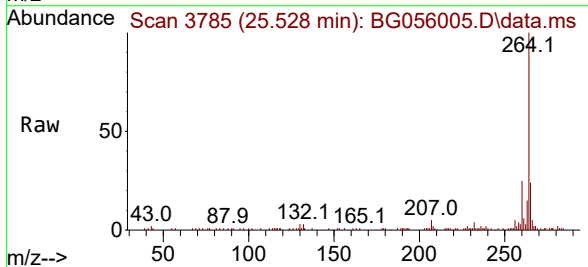
Tgt Ion:264 Resp: 98976

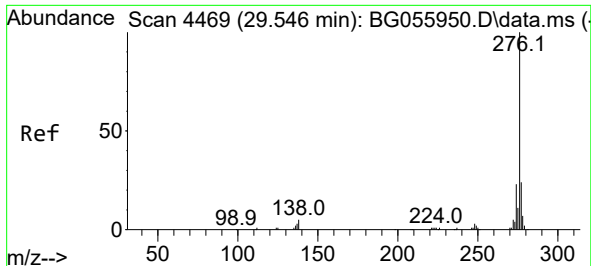
Ion Ratio Lower Upper

264 100

260 24.8 17.8 26.8

265 24.0 16.6 25.0

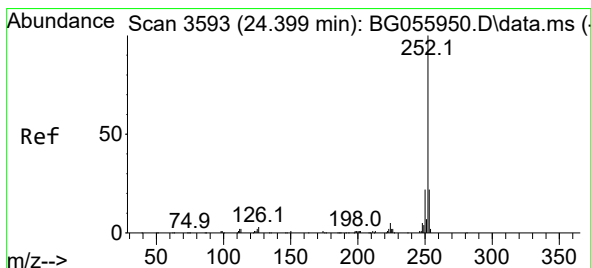
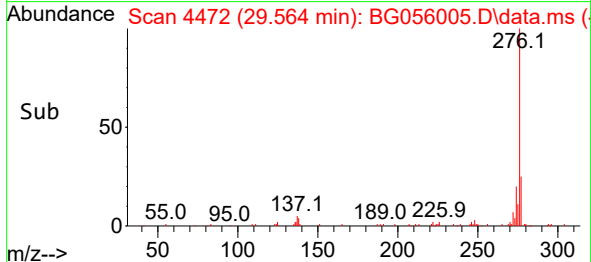
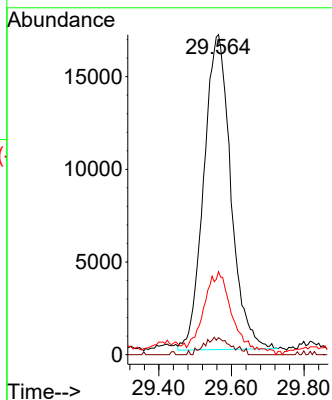
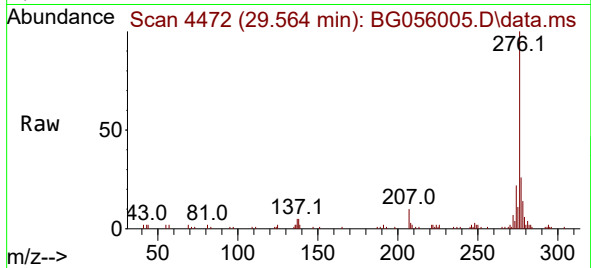




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 11.032 ng
 RT: 29.564 min Scan# 4469
 Delta R.T. -0.005 min
 Lab File: BG056005.D
 Acq: 16 Dec 2022 22:36

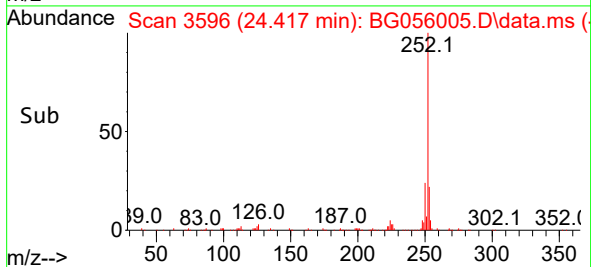
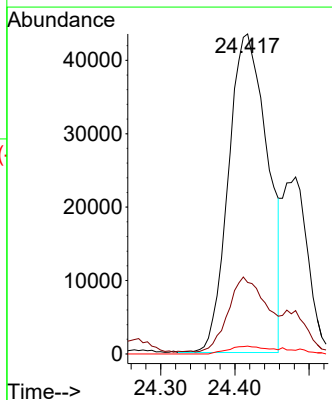
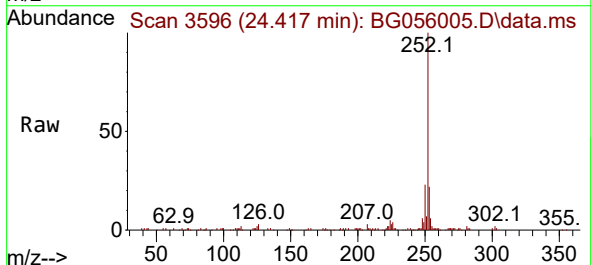
Instrument :
 BNA_G
 ClientSampleId :
 MH-21DL

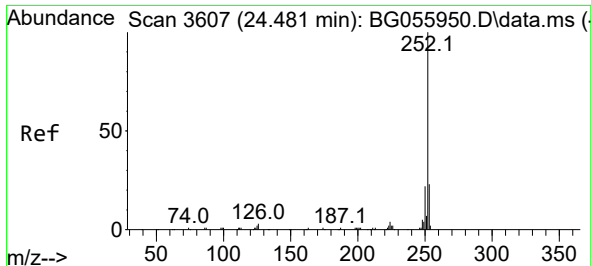
Tgt Ion:276 Resp: 87803
 Ion Ratio Lower Upper
 276 100
 138 4.8 3.0 4.4#
 277 24.8 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 24.740 ng
 RT: 24.417 min Scan# 3596
 Delta R.T. 0.001 min
 Lab File: BG056005.D
 Acq: 16 Dec 2022 22:36

Tgt Ion:252 Resp: 158473
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.4 26.0
 125 2.5 1.8 2.8

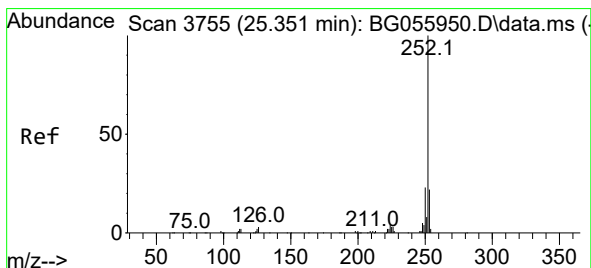
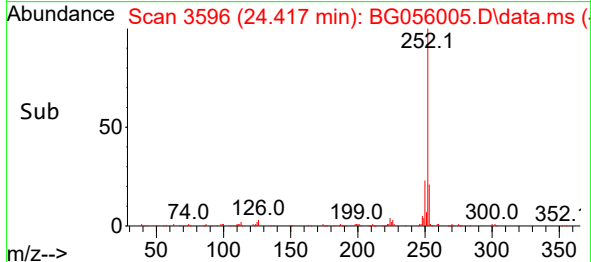
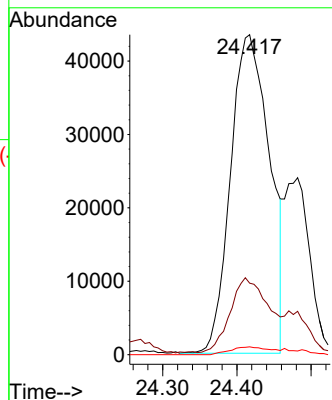
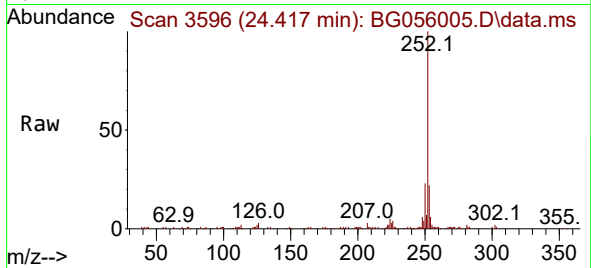




#89
Benzo(k)fluoranthene
Concen: 24.796 ng
RT: 24.417 min Scan# 31
Delta R.T. -0.070 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

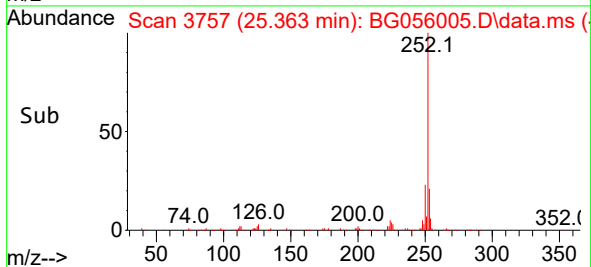
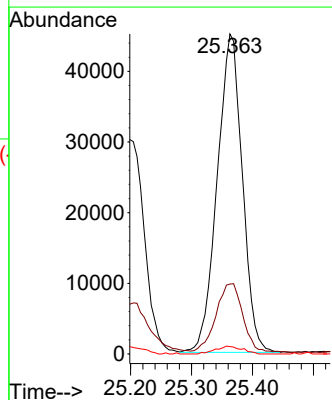
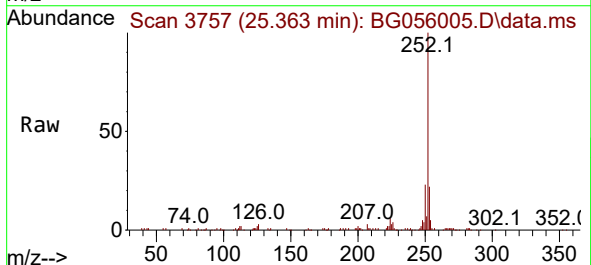
Instrument :
BNA_G
ClientSampleId :
MH-21DL

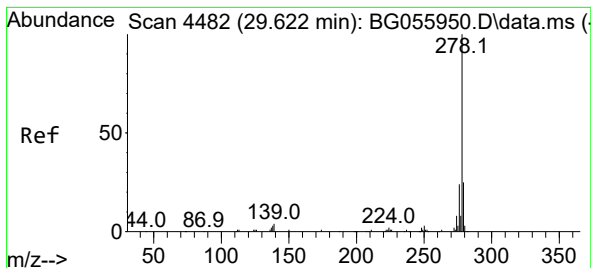
Tgt Ion:252 Resp: 158473
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.2
125 2.5 2.0 3.0



#90
Benzo(a)pyrene
Concen: 23.825 ng
RT: 25.363 min Scan# 3757
Delta R.T. -0.011 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

Tgt Ion:252 Resp: 129001
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 2.3 1.9 2.9





#91

Dibenzo(a,h)anthracene

Concen: 3.832 ng

RT: 29.599 min Scan# 4478

Delta R.T. -0.052 min

Lab File: BG056005.D

Acq: 16 Dec 2022 22:36

Instrument :

BNA_G

ClientSampleId :

MH-21DL

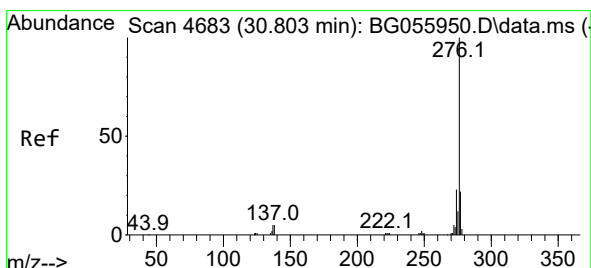
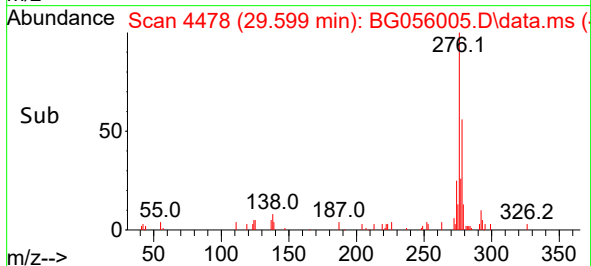
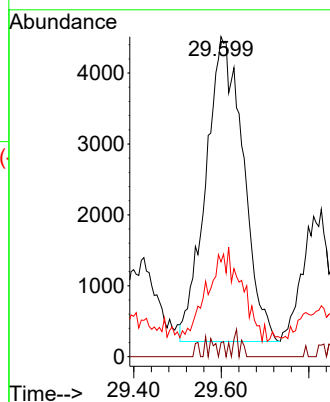
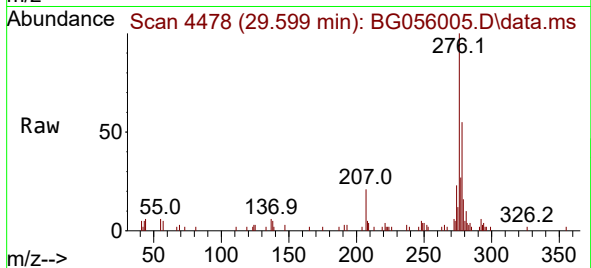
Tgt Ion:278 Resp: 25525

Ion Ratio Lower Upper

278 100

139 4.4 2.9 4.3#

279 29.7 20.0 30.0



#92

Benzo(g,h,i)perylene

Concen: 14.640 ng

RT: 30.821 min Scan# 4686

Delta R.T. -0.017 min

Lab File: BG056005.D

Acq: 16 Dec 2022 22:36

Tgt Ion:276 Resp: 94292

Ion Ratio Lower Upper

276 100

277 22.4 17.8 26.6

138 4.5 3.8 5.6

