

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121422\
 Data File : BG055970.D
 Acq On : 14 Dec 2022 22:11
 Operator : CG/JU
 Sample : N6023-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WASTE

Quant Time: Dec 15 00:53:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 14 02:24:06 2022
 Response via : Initial Calibration

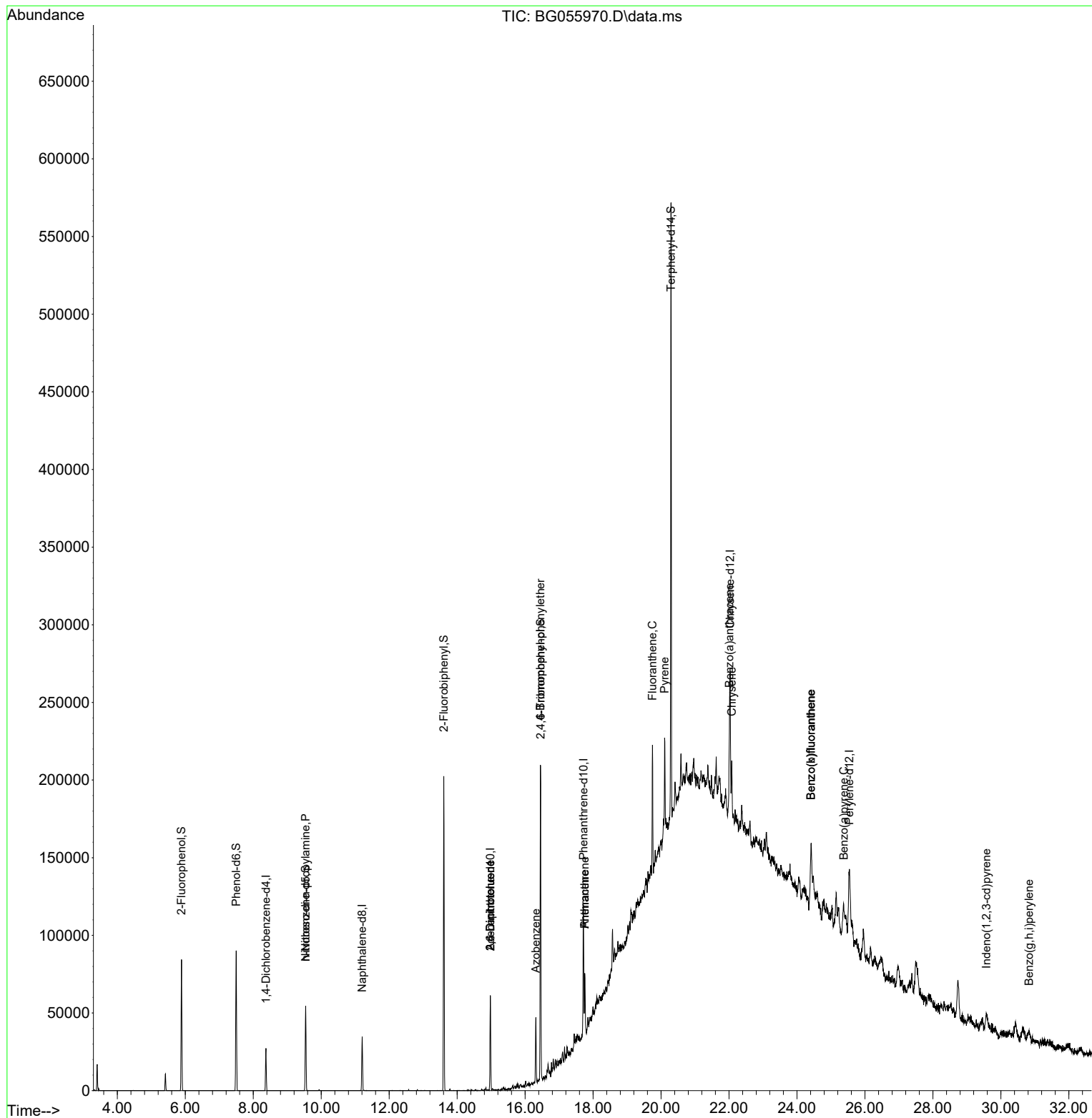
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.372	152	8370	20.000	ng	0.00
21) Naphthalene-d8	11.204	136	30050	20.000	ng	# 0.00
39) Acenaphthene-d10	14.976	164	23359	20.000	ng	0.00
64) Phenanthrene-d10	17.714	188	54889	20.000	ng	0.00
76) Chrysene-d12	22.033	240	58315	20.000	ng	# 0.00
86) Perylene-d12	25.540	264	73251	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.887	112	34144	95.668	ng	0.00
7) Phenol-d6	7.497	99	42179	91.888	ng	0.00
23) Nitrobenzene-d5	9.542	82	28092	65.329	ng	0.00
42) 2,4,6-Tribromophenol	16.457	330	52873	93.870	ng	0.00
45) 2-Fluorobiphenyl	13.607	172	108213	64.972	ng	0.00
79) Terphenyl-d14	20.294	244	205800	62.373	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.542	70	4275	12.993	ng	# 66
51) 2,6-Dinitrotoluene	14.976	165	3185	10.191	ng	# 25
57) 2,4-Dinitrotoluene	14.976	165	3185	6.752	ng	# 35
63) Azobenzene	16.316	77	11132	9.266	ng	# 1
67) 4-Bromophenyl-phenylether	16.451	248	2934	3.648	ng	# 1
71) Phenanthrene	17.755	178	26060	9.060	ng	97
72) Anthracene	17.755	178	26060	9.157	ng	97
75) Fluoranthene	19.747	202	54969	13.647	ng	96
78) Pyrene	20.106	202	46477	13.171	ng	98
81) Benzo(a)anthracene	22.009	228	29129	7.099	ng	# 92
83) Chrysene	22.080	228	31002	8.061	ng	# 94
87) Indeno(1,2,3-cd)pyrene	29.571	276	18242	3.097	ng	# 56
88) Benzo(b)fluoranthene	24.412	252	46140	9.733	ng	# 87
89) Benzo(k)fluoranthene	24.412	252	46140	9.755	ng	# 89
90) Benzo(a)pyrene	25.376	252	29117	7.266	ng	# 98
92) Benzo(g,h,i)perylene	30.828	276	17945	3.765	ng	# 93

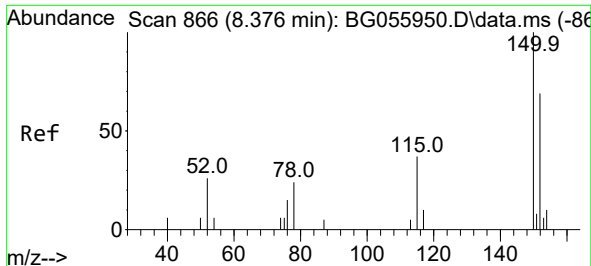
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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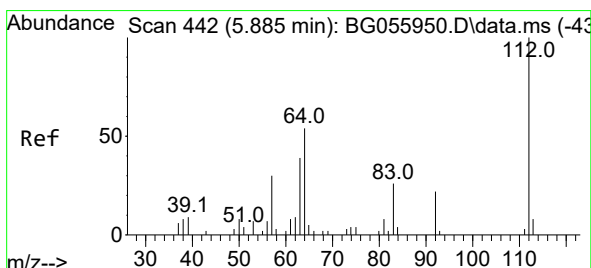
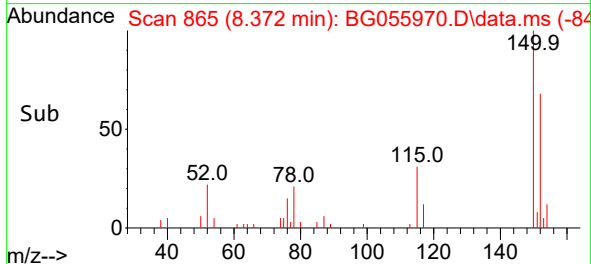
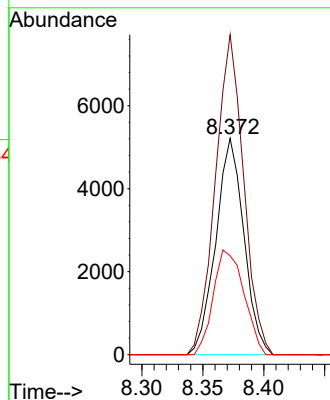
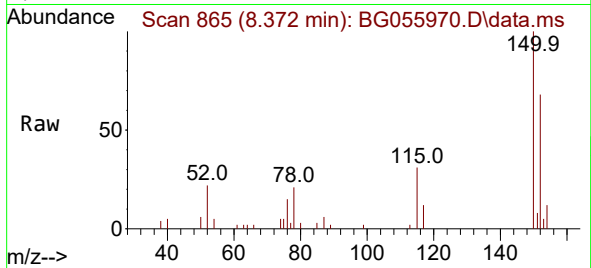




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.372 min Scan# 866
Delta R.T. -0.004 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

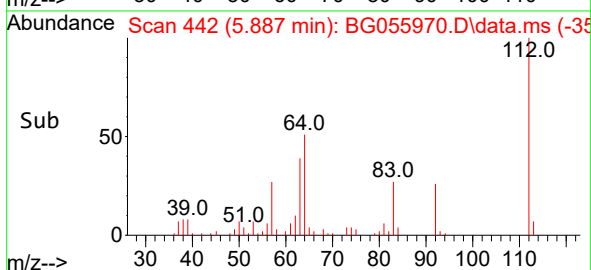
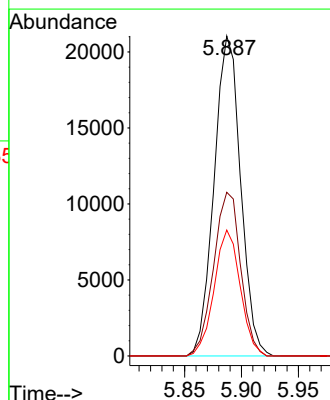
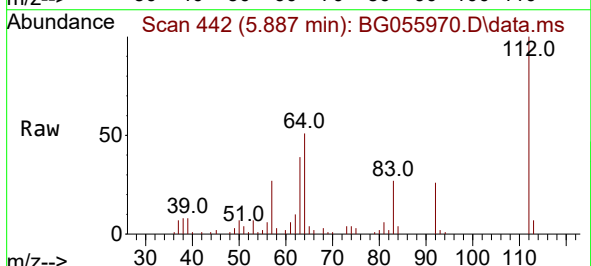
Instrument :
BNA_G
ClientSampleId :
WASTE

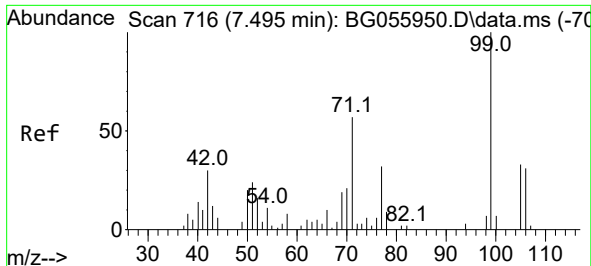
Tgt Ion:152 Resp: 8370
Ion Ratio Lower Upper
152 100
150 148.0 115.7 173.5
115 45.7 43.0 64.4



#5
2-Fluorophenol
Concen: 95.668 ng
RT: 5.887 min Scan# 442
Delta R.T. 0.002 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

Tgt Ion:112 Resp: 34144
Ion Ratio Lower Upper
112 100
64 51.1 43.0 64.4
63 39.4 31.4 47.2

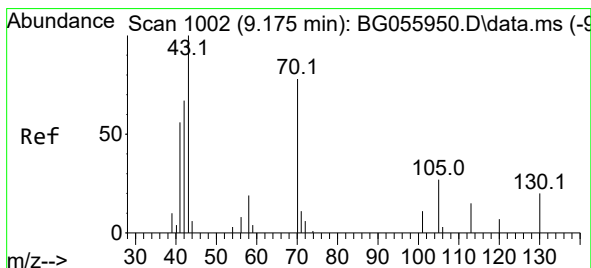
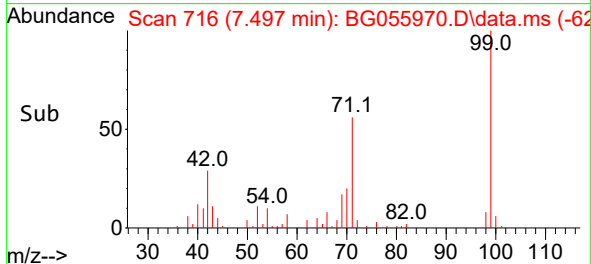
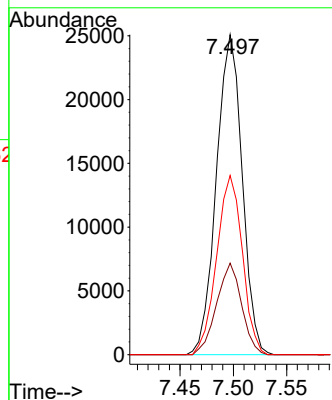
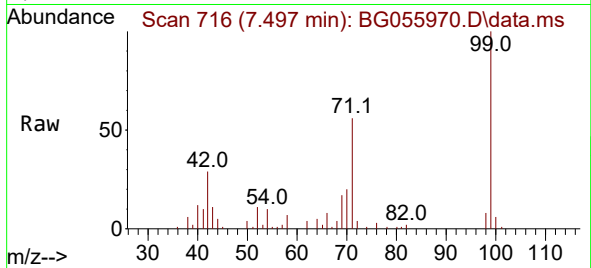




#7
Phenol-d6
Concen: 91.888 ng
RT: 7.497 min Scan# 716
Delta R.T. 0.002 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

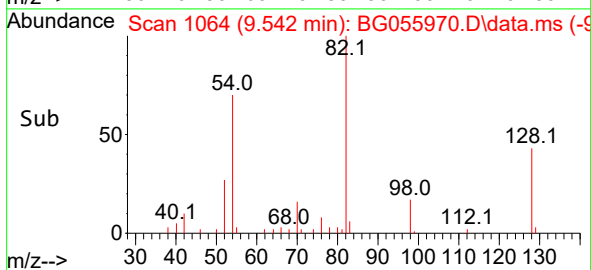
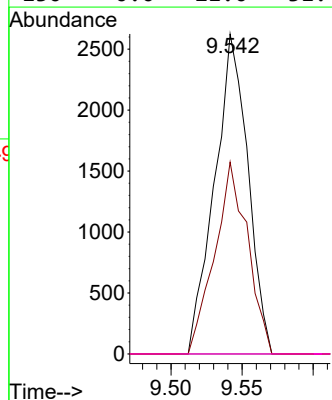
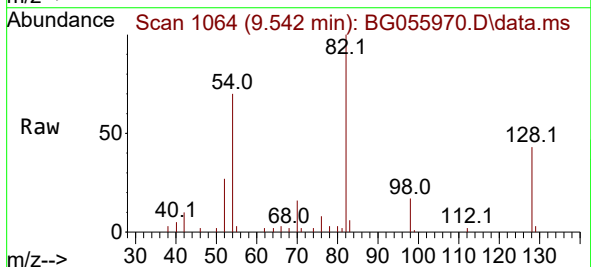
Instrument :
BNA_G
ClientSampleId :
WASTE

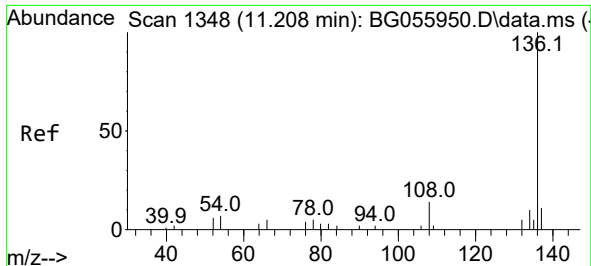
Tgt Ion: 99 Resp: 42179
Ion Ratio Lower Upper
99 100
42 28.6 24.3 36.5
71 56.0 45.6 68.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.993 ng
RT: 9.542 min Scan# 1064
Delta R.T. 0.366 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

Tgt Ion: 70 Resp: 4275
Ion Ratio Lower Upper
70 100
42 60.0 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#

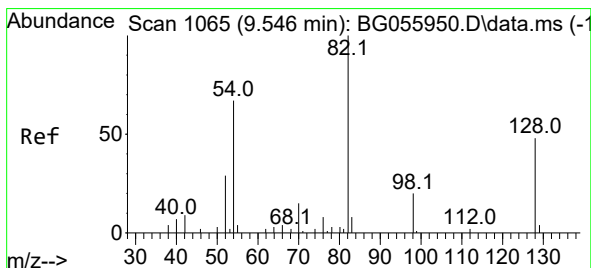
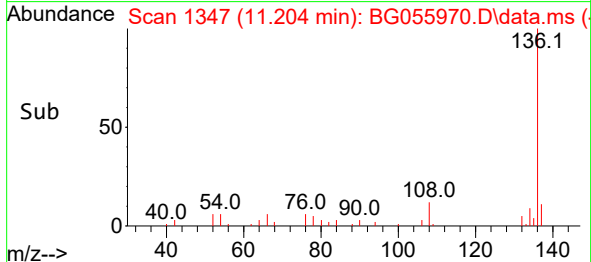
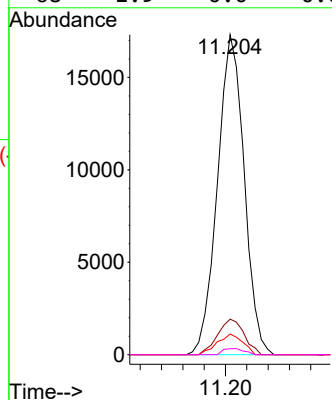
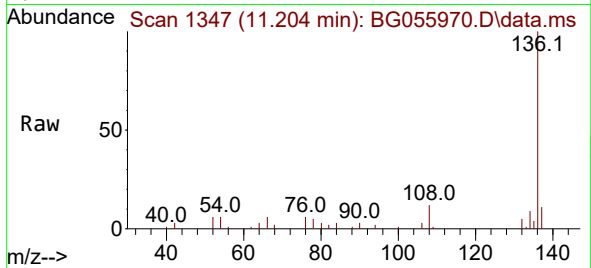




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.204 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

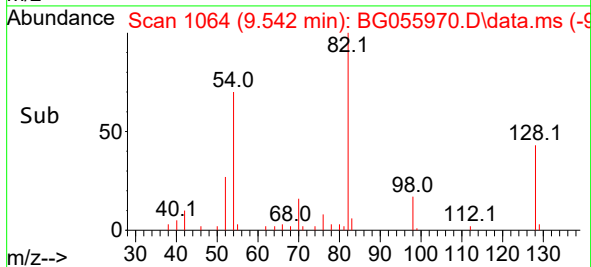
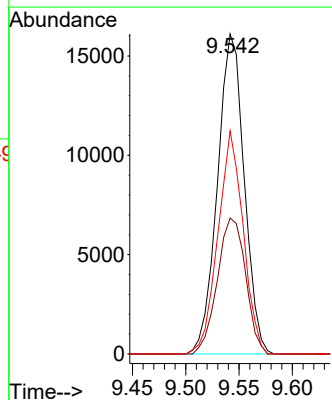
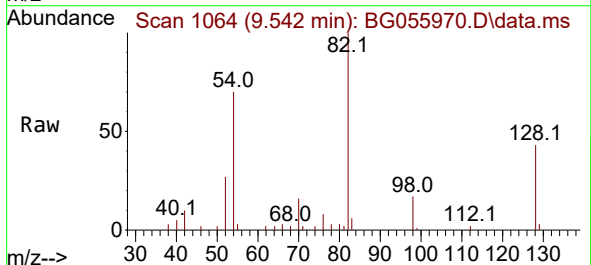
Instrument :
BNA_G
ClientSampleId :
WASTE

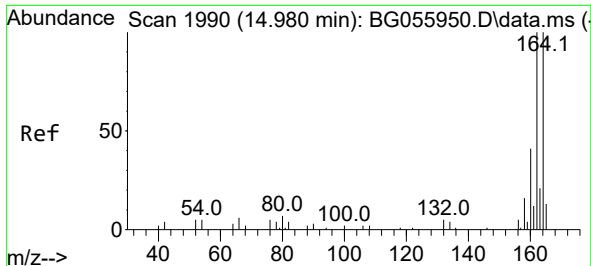
Tgt Ion:136 Resp: 30050
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 6.5 5.6 8.4
68 1.9 0.0 0.0#



#23
Nitrobenzene-d5
Concen: 65.329 ng
RT: 9.542 min Scan# 1064
Delta R.T. -0.004 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

Tgt Ion: 82 Resp: 28092
Ion Ratio Lower Upper
82 100
128 42.5 38.4 57.6
54 69.7 53.3 79.9

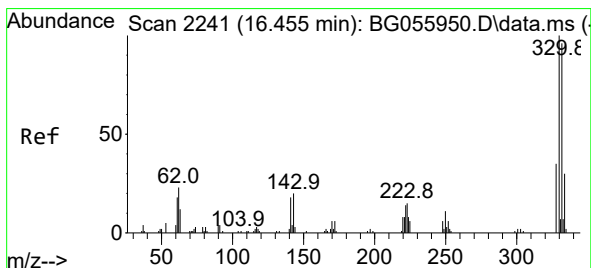
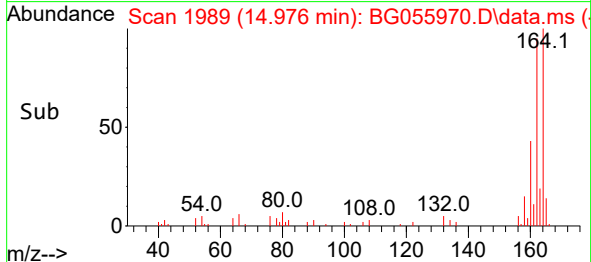
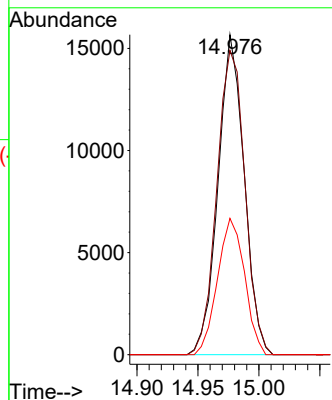
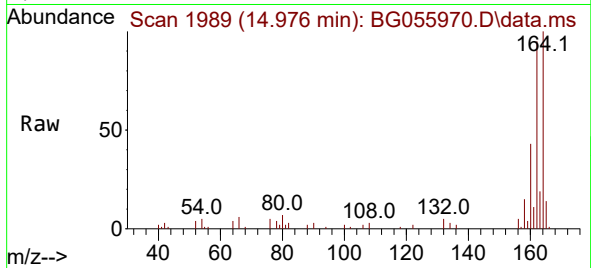




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.976 min Scan# 1990
Delta R.T. -0.004 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

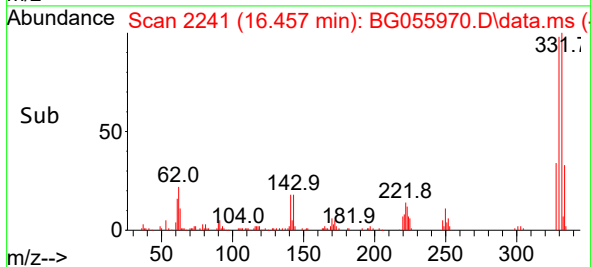
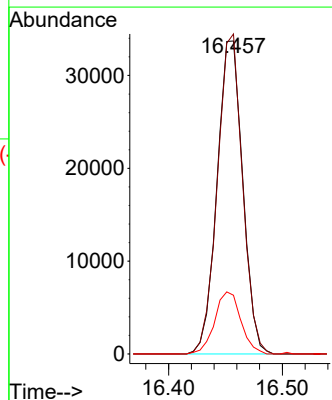
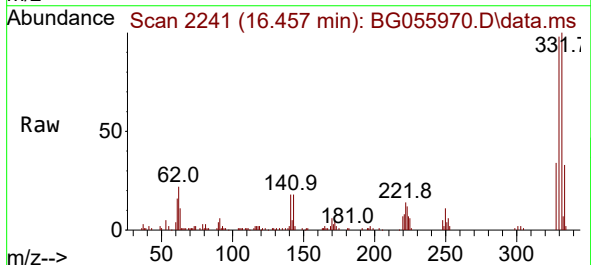
Instrument :
BNA_G
ClientSampleId :
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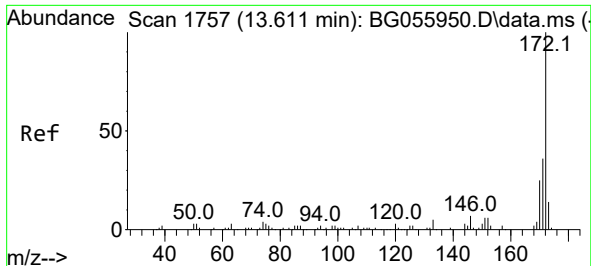
Tgt Ion:164 Resp: 23359
Ion Ratio Lower Upper
164 100
162 95.1 79.8 119.8
160 42.6 33.0 49.4



#42
2,4,6-Tribromophenol
Concen: 93.870 ng
RT: 16.457 min Scan# 2241
Delta R.T. 0.002 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

Tgt Ion:330 Resp: 52873
Ion Ratio Lower Upper
330 100
332 99.6 76.6 114.8
141 20.2 15.0 22.4

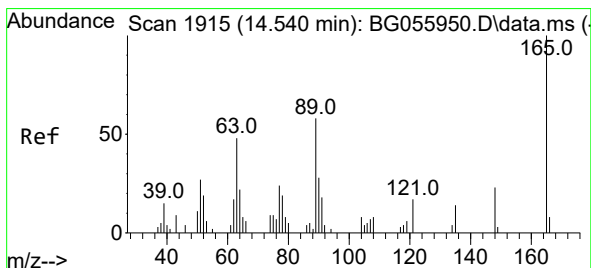
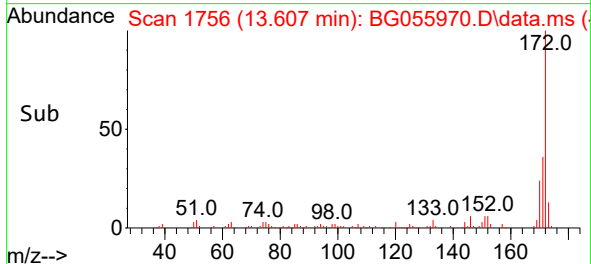
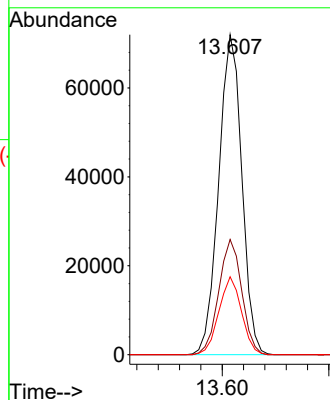
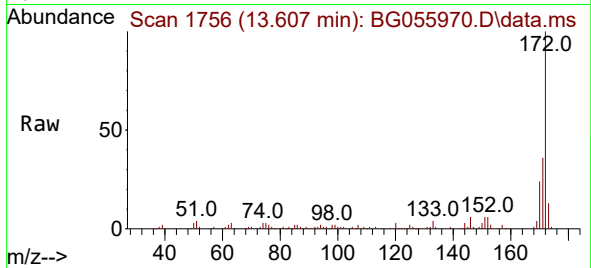




#45
2-Fluorobiphenyl
Concen: 64.972 ng
RT: 13.607 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

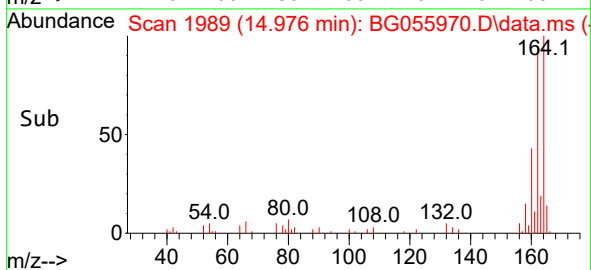
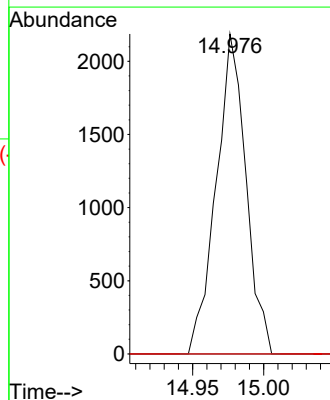
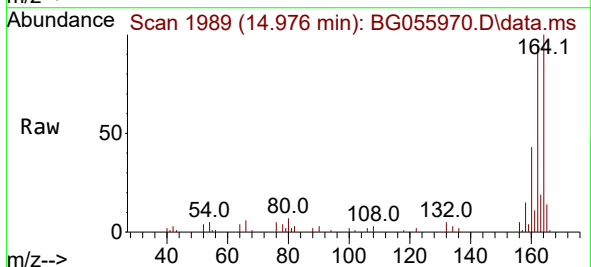
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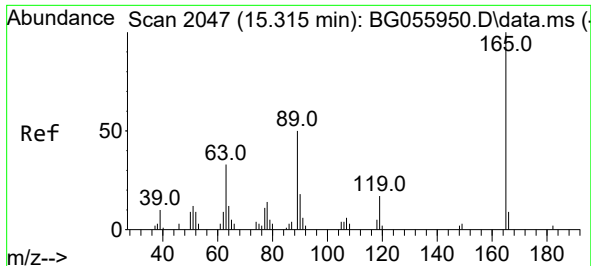
Tgt Ion:172 Resp: 108213
Ion Ratio Lower Upper
172 100
171 36.0 28.6 42.8
170 24.3 19.9 29.9



#51
2,6-Dinitrotoluene
Concen: 10.191 ng
RT: 14.976 min Scan# 1989
Delta R.T. 0.436 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

Tgt Ion:165 Resp: 3185
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: 6.752 ng

RT: 14.976 min Scan# 1989

Delta R.T. -0.339 min

Lab File: BG055970.D

Acq: 14 Dec 2022 22:11

Instrument :

BNA_G

ClientSampleId :

WASTE

Tgt Ion:165 Resp: 3185

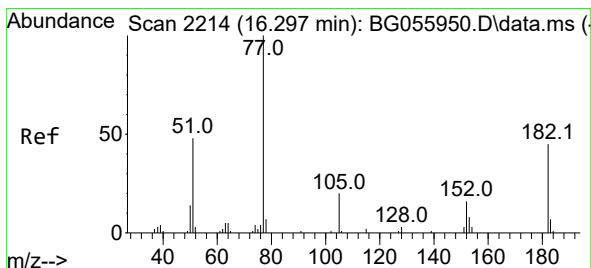
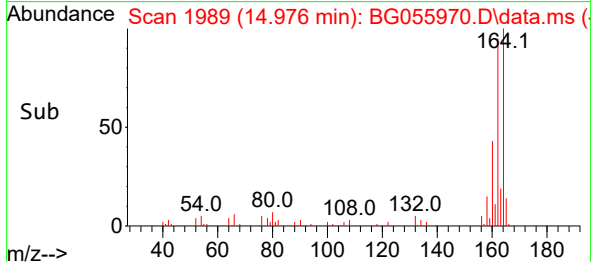
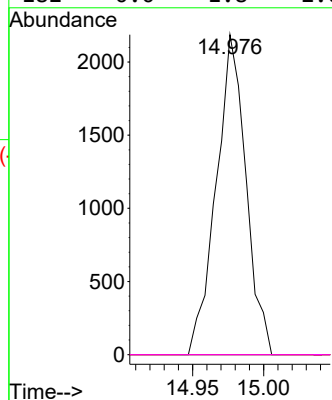
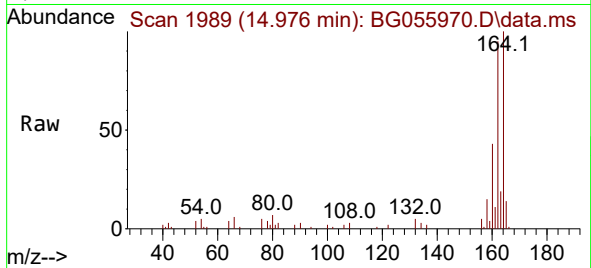
Ion Ratio Lower Upper

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: 9.266 ng

RT: 16.316 min Scan# 2217

Delta R.T. 0.019 min

Lab File: BG055970.D

Acq: 14 Dec 2022 22:11

Tgt Ion: 77 Resp: 11132

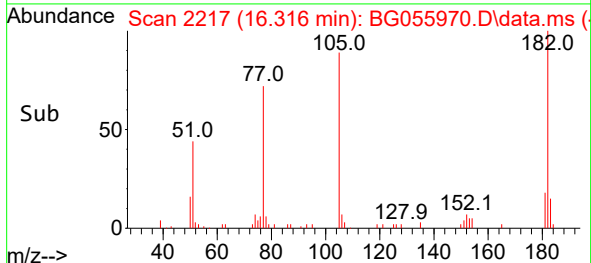
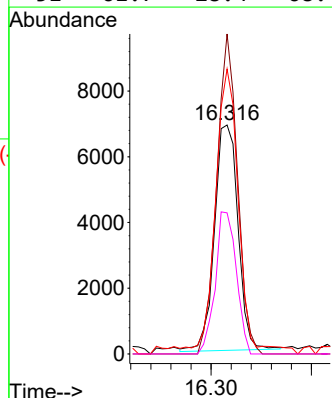
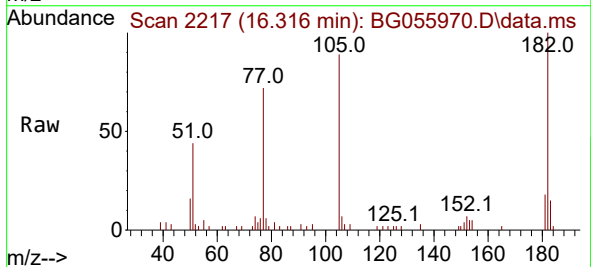
Ion Ratio Lower Upper

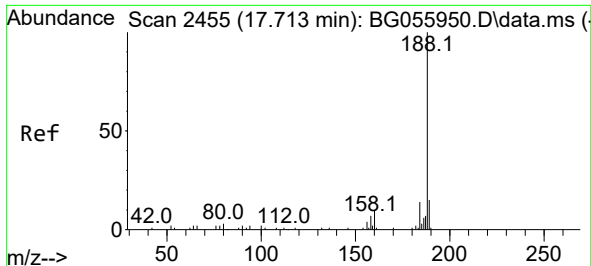
77 100

182 139.7 24.7 64.7#

105 124.4 0.3 40.3#

51 61.7 28.4 68.4

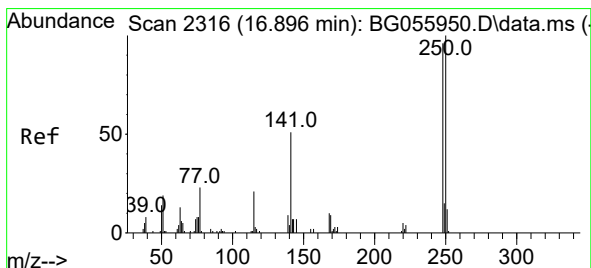
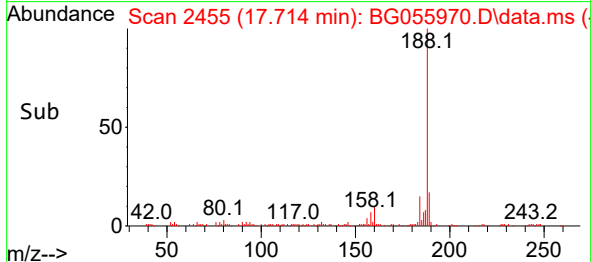
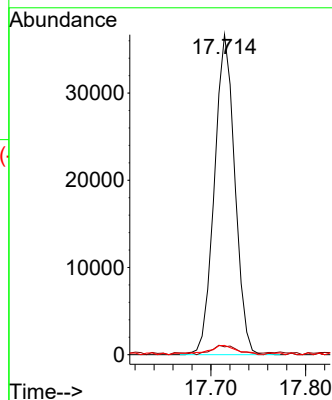
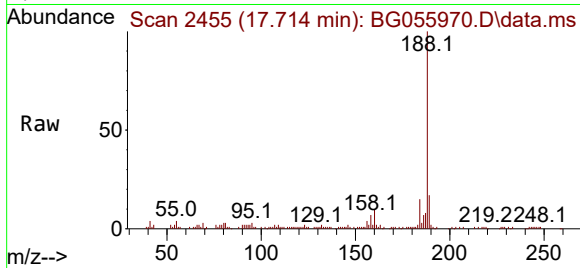




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.714 min Scan# 2455
Delta R.T. 0.002 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

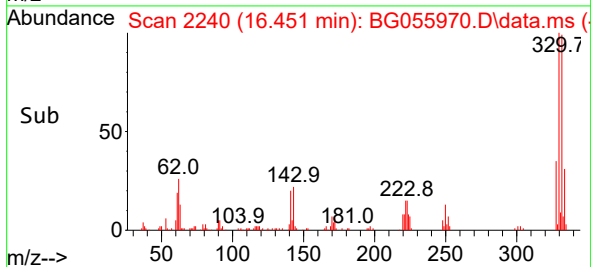
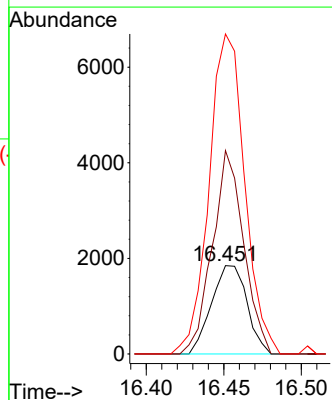
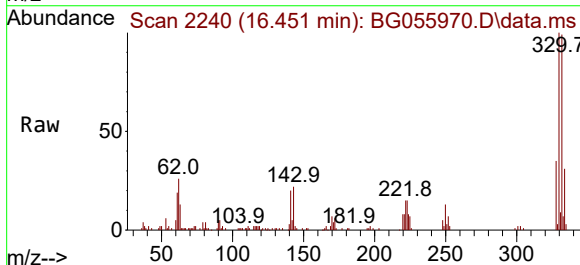
Instrument :
BNA_G
ClientSampleId :
WASTE

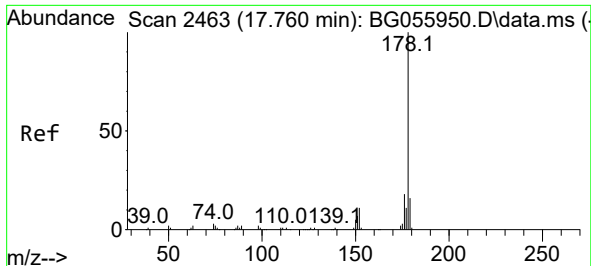
Tgt Ion:188	Resp:	54889
Ion Ratio	Lower	Upper
188	100	
94	2.5	1.8 2.8
80	2.9	2.4 3.6



#67
4-Bromophenyl-phenylether
Concen: 3.648 ng
RT: 16.451 min Scan# 2240
Delta R.T. -0.445 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

Tgt Ion:248	Resp:	2934
Ion Ratio	Lower	Upper
248	100	
250	230.1	83.0 124.6#
141	362.1	42.6 64.0#

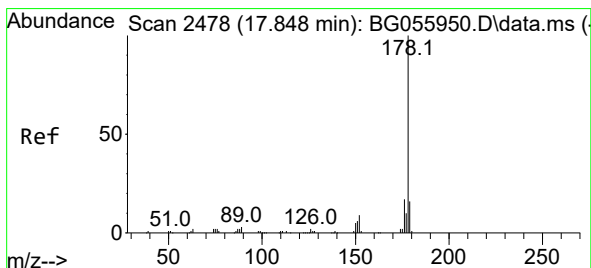
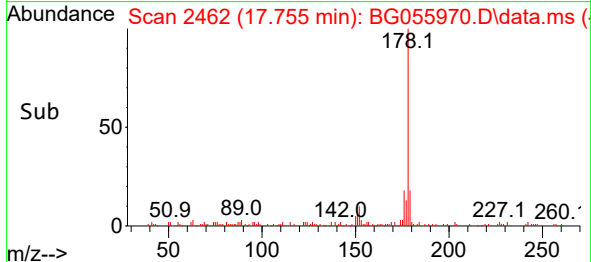
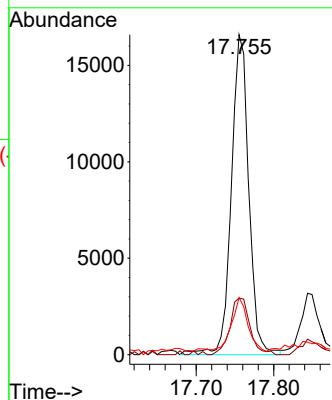
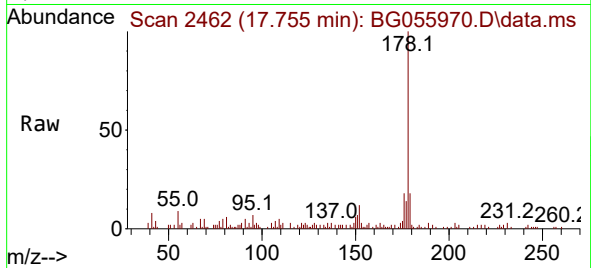




#71
Phenanthrene
Concen: 9.060 ng
RT: 17.755 min Scan# 2462
Delta R.T. -0.004 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

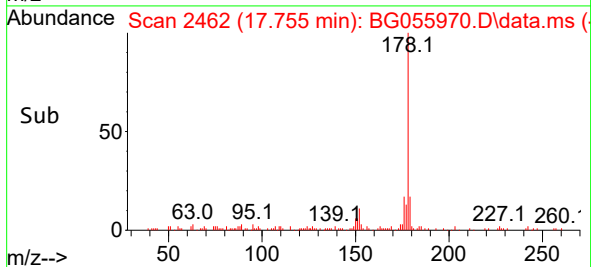
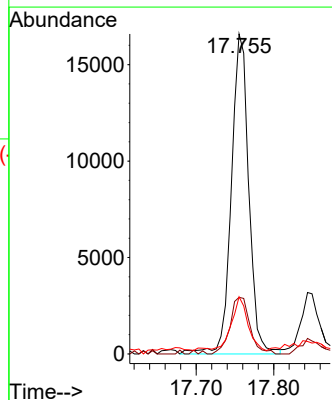
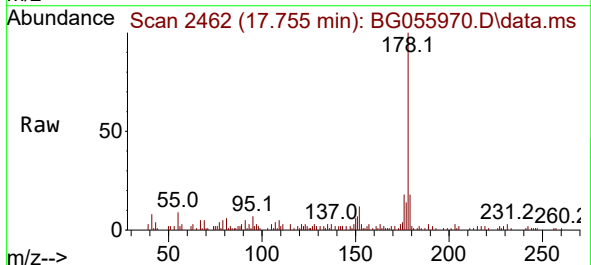
Instrument :
BNA_G
ClientSampleId :
WASTE

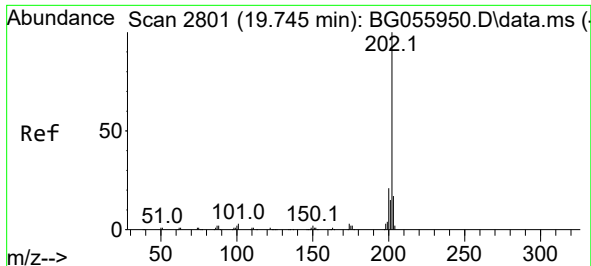
Tgt Ion:178 Resp: 26060
Ion Ratio Lower Upper
178 100
176 17.7 14.4 21.6
179 17.8 12.7 19.1



#72
Anthracene
Concen: 9.157 ng
RT: 17.755 min Scan# 2462
Delta R.T. -0.092 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

Tgt Ion:178 Resp: 26060
Ion Ratio Lower Upper
178 100
176 17.7 13.9 20.9
179 17.8 12.7 19.1

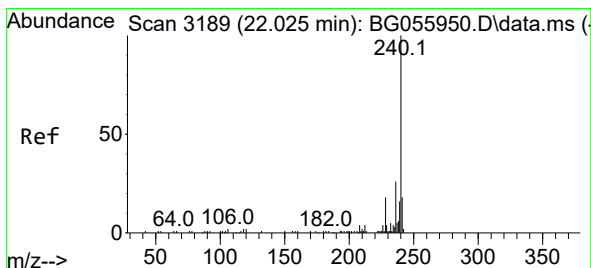
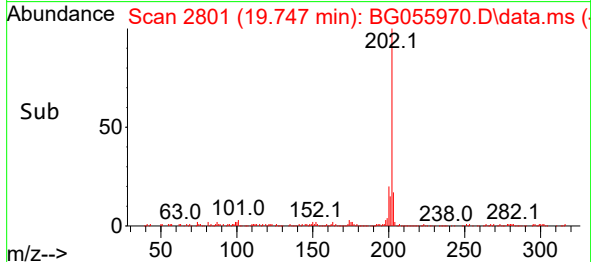
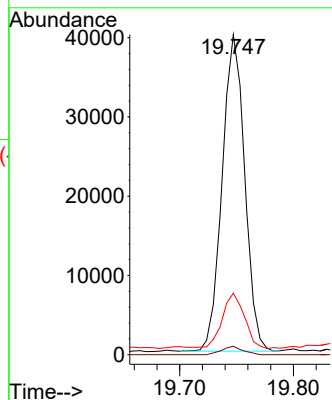
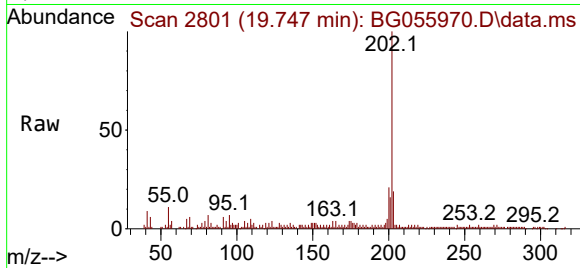




#75
Fluoranthene
Concen: 13.647 ng
RT: 19.747 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

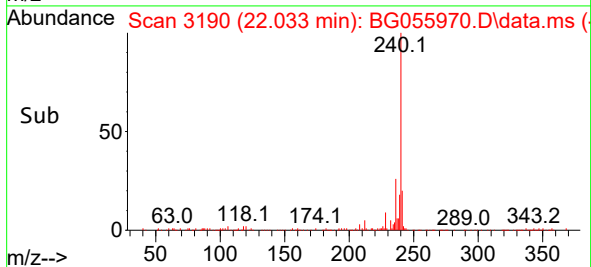
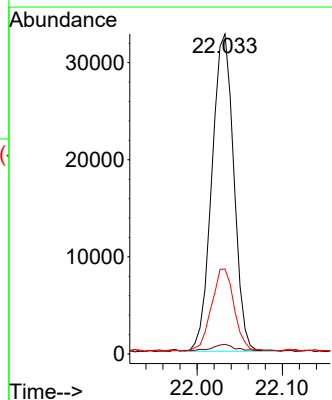
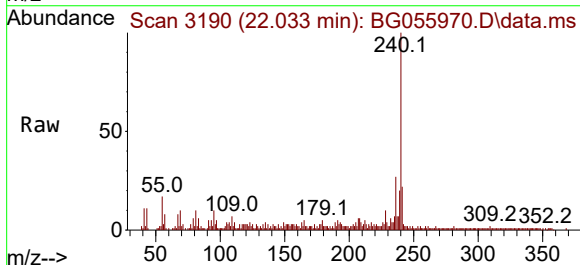
Instrument :
BNA_G
ClientSampleId :
WASTE

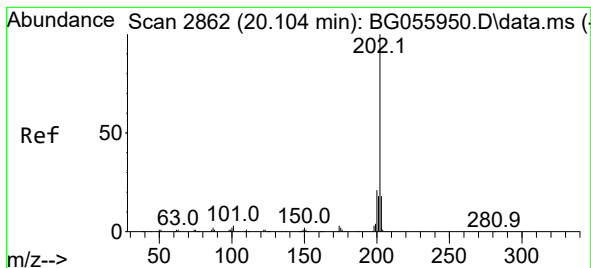
Tgt Ion:202 Resp: 54969
Ion Ratio Lower Upper
202 100
101 2.6 0.0 22.6
203 19.2 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.033 min Scan# 3190
Delta R.T. 0.008 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

Tgt Ion:240 Resp: 58315
Ion Ratio Lower Upper
240 100
120 3.0 1.7 2.5#
236 26.6 21.1 31.7





#78

Pyrene

Concen: 13.171 ng

RT: 20.106 min Scan# 2862

Delta R.T. 0.002 min

Lab File: BG055970.D

Acq: 14 Dec 2022 22:11

Instrument :

BNA_G

ClientSampleId :

WASTE

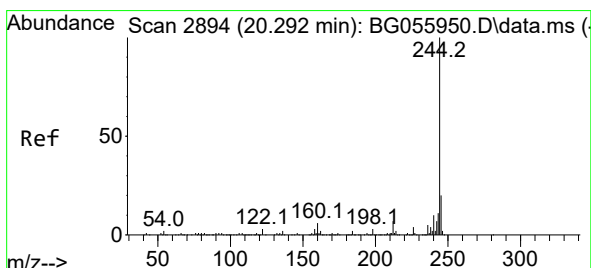
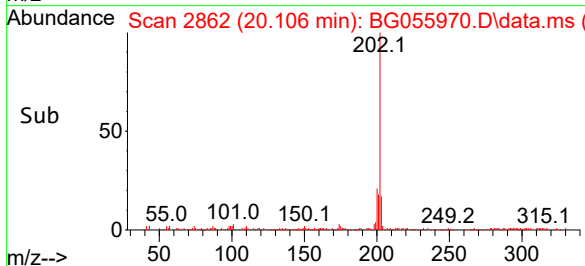
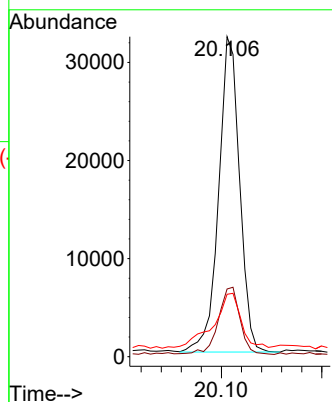
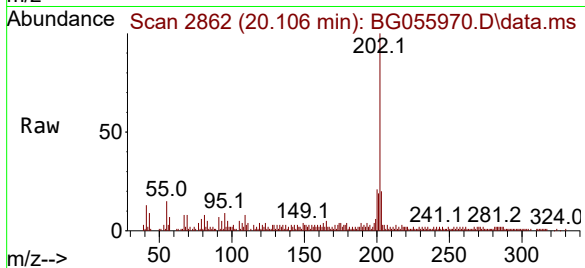
Tgt Ion:202 Resp: 46477

Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

203 19.5 14.6 21.8



#79

Terphenyl-d14

Concen: 62.373 ng

RT: 20.294 min Scan# 2894

Delta R.T. 0.002 min

Lab File: BG055970.D

Acq: 14 Dec 2022 22:11

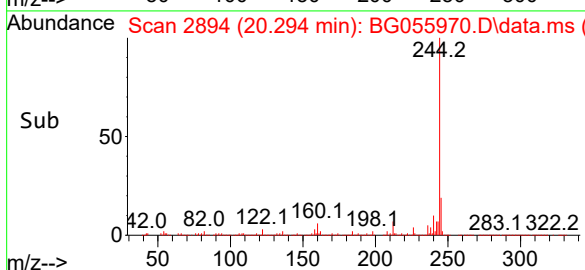
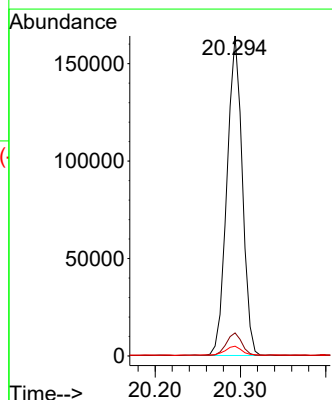
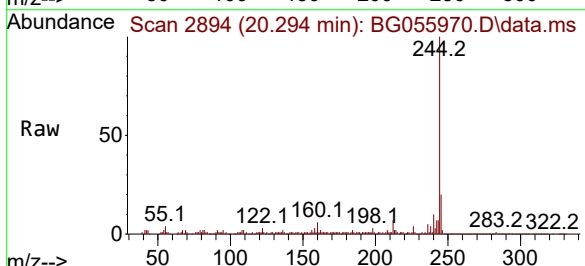
Tgt Ion:244 Resp: 205800

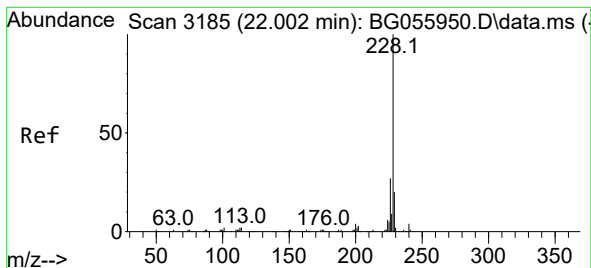
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 3.0 2.5 3.7





#81

Benzo(a)anthracene

Concen: 7.099 ng

RT: 22.009 min Scan# 3185

Delta R.T. 0.008 min

Lab File: BG055970.D

Acq: 14 Dec 2022 22:11

Instrument :

BNA_G

ClientSampleId :

WASTE

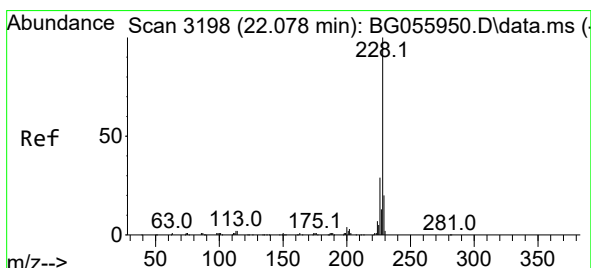
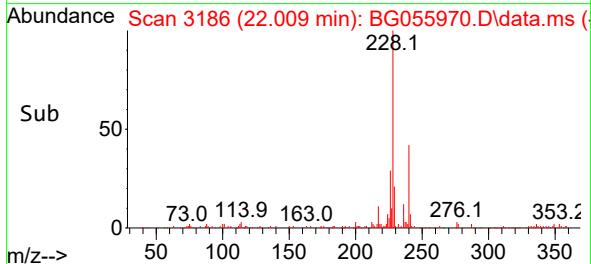
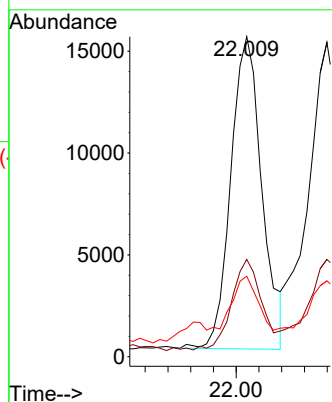
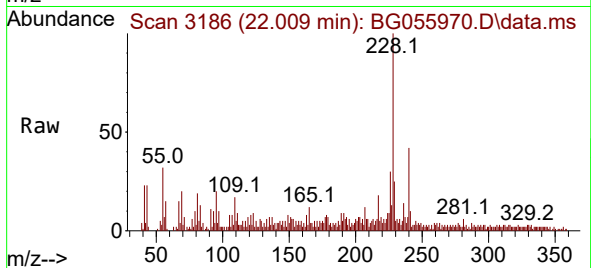
Tgt Ion:228 Resp: 29129

Ion Ratio Lower Upper

228 100

226 30.4 21.8 32.6

229 25.2 15.9 23.9#



#83

Chrysene

Concen: 8.061 ng

RT: 22.080 min Scan# 3198

Delta R.T. 0.002 min

Lab File: BG055970.D

Acq: 14 Dec 2022 22:11

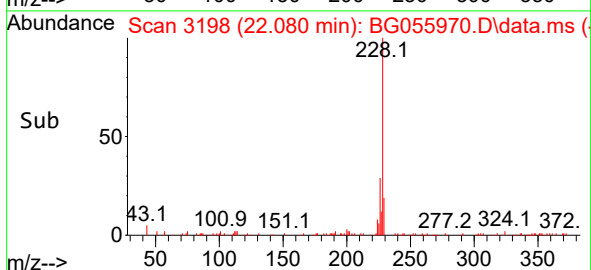
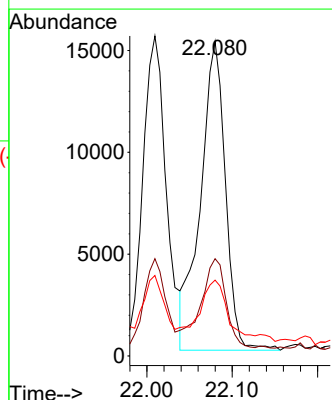
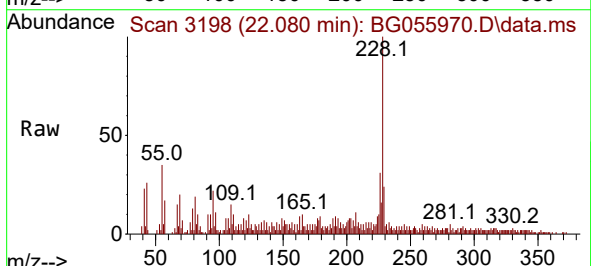
Tgt Ion:228 Resp: 31002

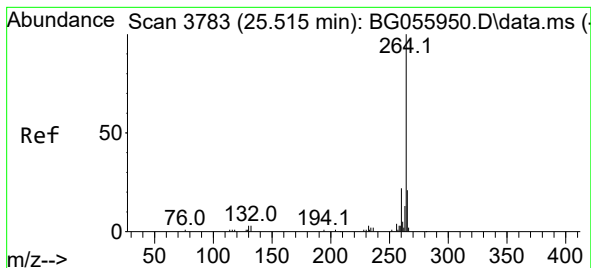
Ion Ratio Lower Upper

228 100

226 30.9 23.1 34.7

229 24.1 15.7 23.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.540 min Scan# 31

Delta R.T. 0.025 min

Lab File: BG055970.D

Acq: 14 Dec 2022 22:11

Instrument :

BNA_G

ClientSampleId :

WASTE

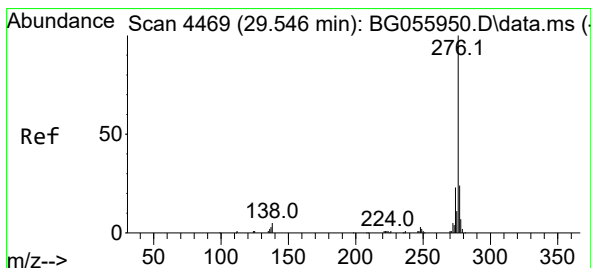
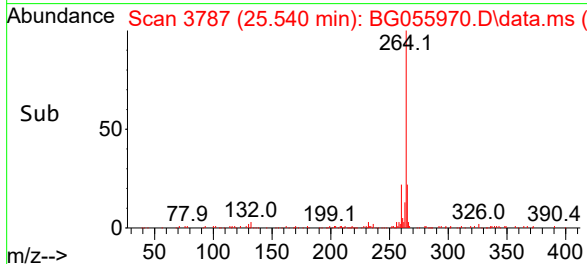
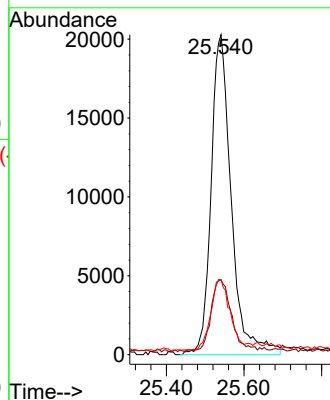
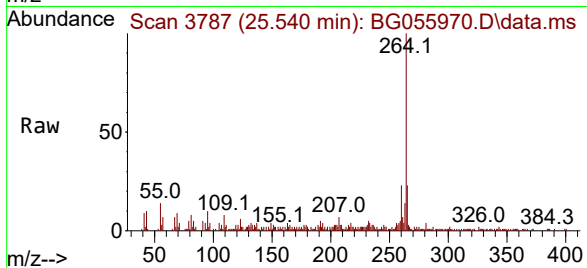
Tgt Ion:264 Resp: 73251

Ion Ratio Lower Upper

264 100

260 23.4 17.8 26.8

265 23.5 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.097 ng

RT: 29.571 min Scan# 4473

Delta R.T. 0.025 min

Lab File: BG055970.D

Acq: 14 Dec 2022 22:11

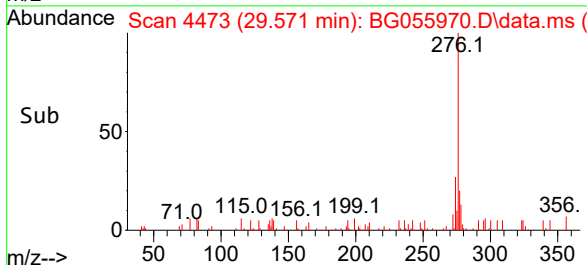
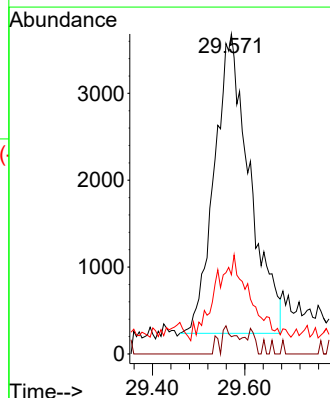
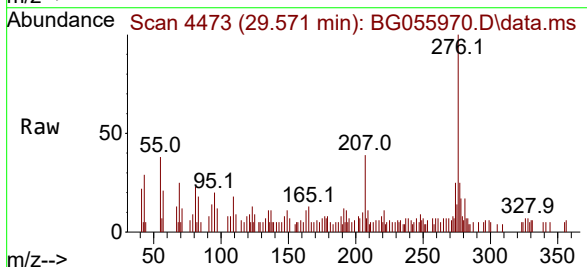
Tgt Ion:276 Resp: 18242

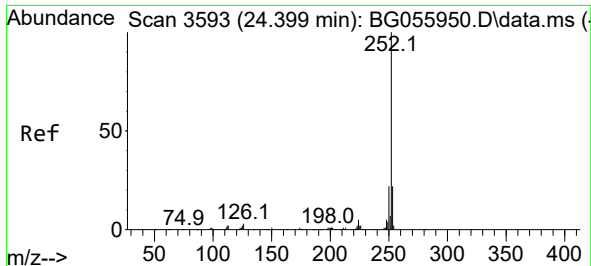
Ion Ratio Lower Upper

276 100

138 3.5 3.0 4.4

277 0.0 20.4 30.6#

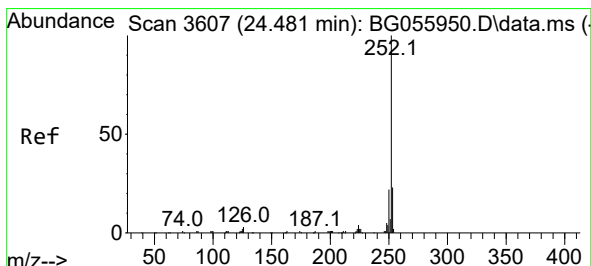
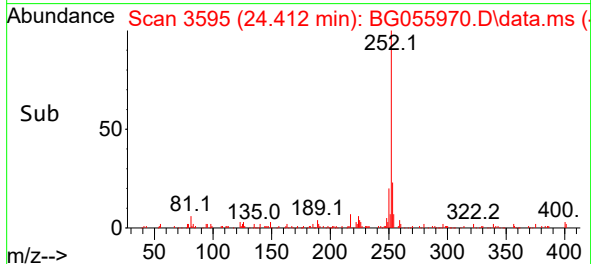
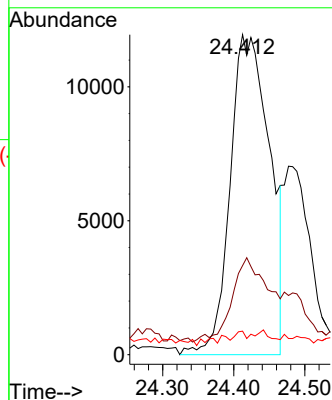
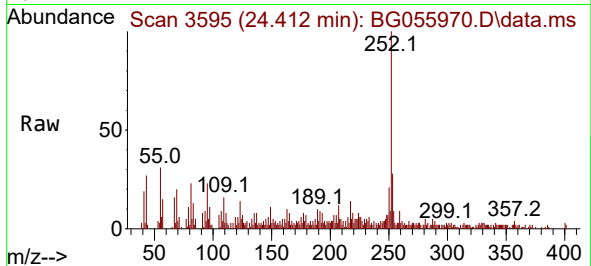




#88
Benzo(b)fluoranthene
Concen: 9.733 ng
RT: 24.412 min Scan# 3595
Delta R.T. 0.014 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

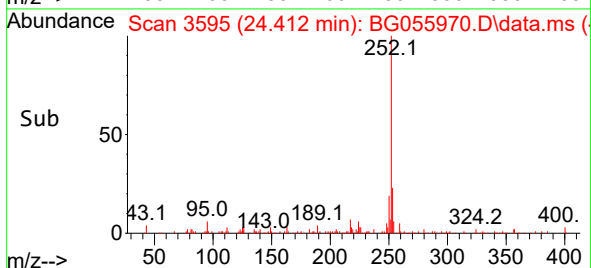
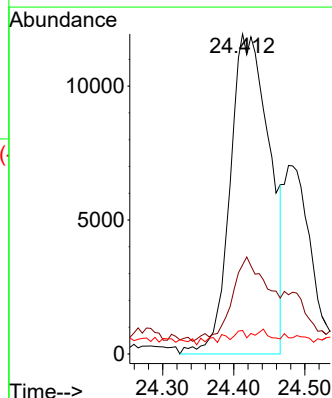
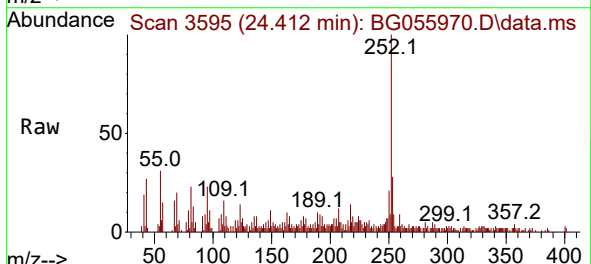
Instrument :
BNA_G
ClientSampleId :
WASTE

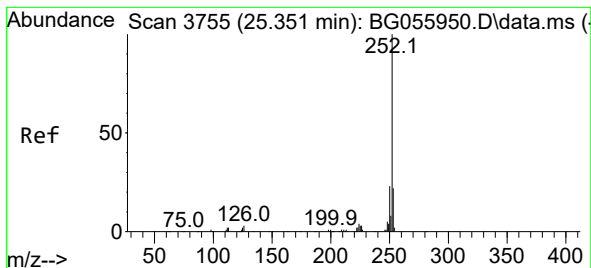
Tgt Ion:252 Resp: 46140
Ion Ratio Lower Upper
252 100
253 27.8 17.4 26.0#
125 7.4 1.8 2.8#



#89
Benzo(k)fluoranthene
Concen: 9.755 ng
RT: 24.412 min Scan# 3595
Delta R.T. -0.069 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

Tgt Ion:252 Resp: 46140
Ion Ratio Lower Upper
252 100
253 27.8 18.2 27.2#
125 7.4 2.0 3.0#





#90

Benzo(a)pyrene

Concen: 7.266 ng

RT: 25.376 min Scan# 31

Delta R.T. 0.025 min

Lab File: BG055970.D

Acq: 14 Dec 2022 22:11

Instrument :

BNA_G

ClientSampleId :

WASTE

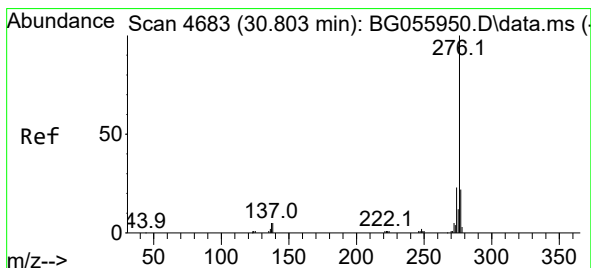
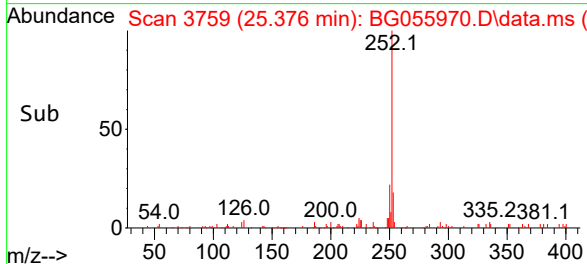
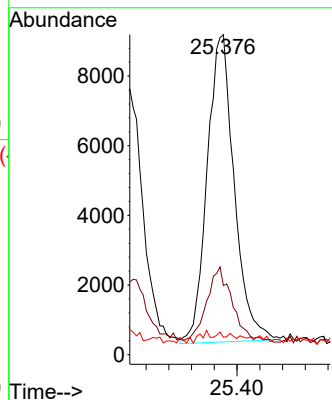
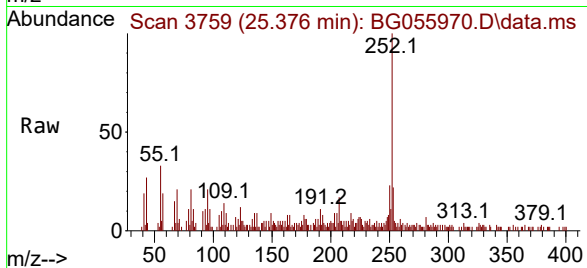
Tgt Ion:252 Resp: 29117

Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

125 5.4 1.9 2.9#



#92

Benzo(g,h,i)perylene

Concen: 3.765 ng

RT: 30.828 min Scan# 4687

Delta R.T. 0.025 min

Lab File: BG055970.D

Acq: 14 Dec 2022 22:11

Tgt Ion:276 Resp: 17945

Ion Ratio Lower Upper

276 100

277 25.3 17.8 26.6

138 7.5 3.8 5.6#

