

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112922\
 Data File : BG055831.D
 Acq On : 29 Nov 2022 16:42
 Operator : CG/JU
 Sample : N5796-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-15

Quant Time: Nov 30 02:05:35 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 30 02:01:09 2022
 Response via : Initial Calibration

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

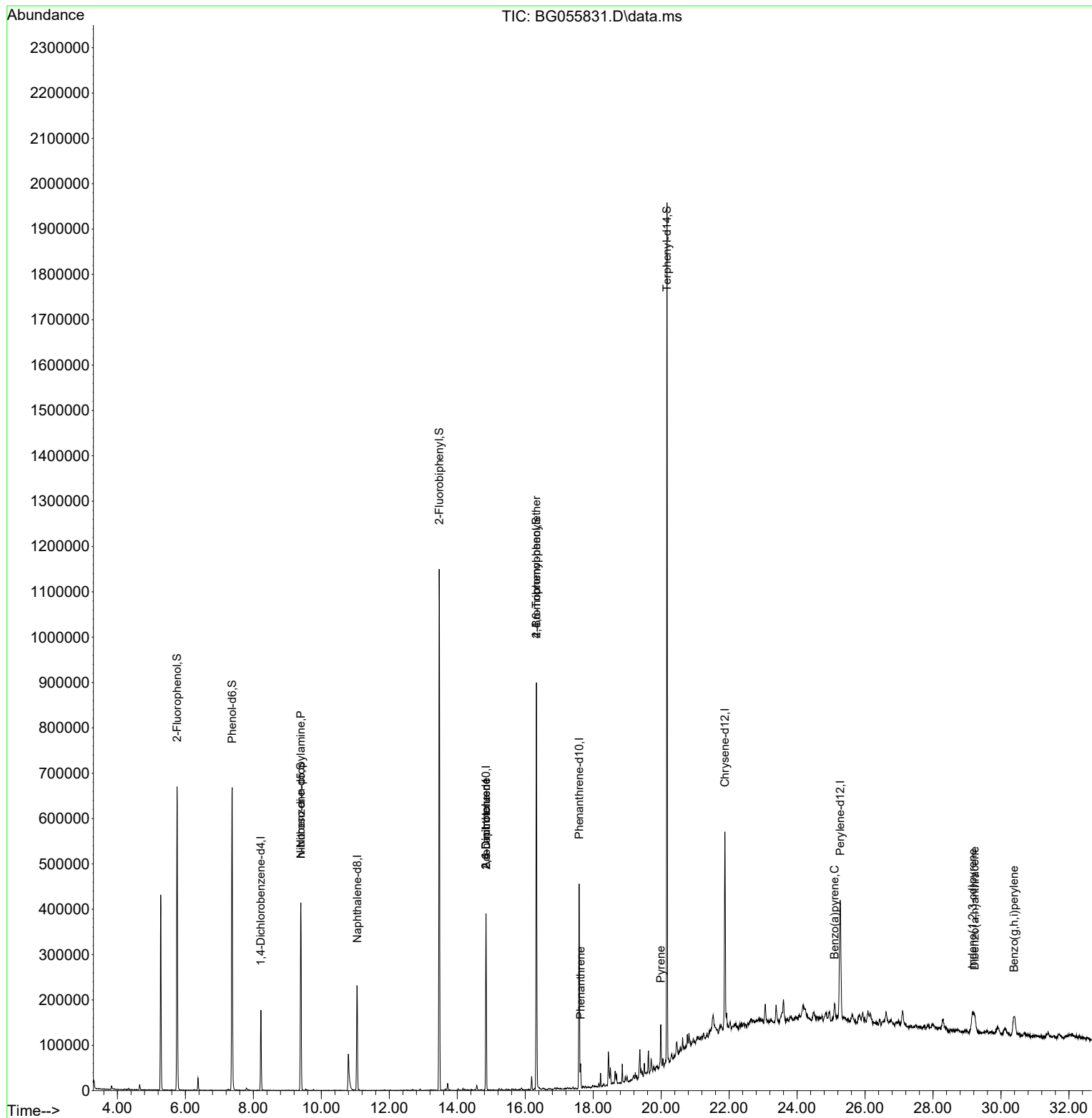
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	49109	20.000	ng	0.00
21) Naphthalene-d8	11.055	136	204804	20.000	ng	0.00
39) Acenaphthene-d10	14.844	164	140459	20.000	ng	0.00
64) Phenanthrene-d10	17.588	188	303606	20.000	ng	0.00
76) Chrysene-d12	21.877	240	281639	20.000	ng	0.00
86) Perylene-d12	25.268	264	300120	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.755	112	295704	108.838	ng	0.00
7) Phenol-d6	7.377	99	384795	106.395	ng	0.00
23) Nitrobenzene-d5	9.398	82	246762	63.683	ng	0.00
42) 2,4,6-Tribromophenol	16.331	330	189318	95.719	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	605086	64.538	ng	0.00
79) Terphenyl-d14	20.174	244	933843	66.319	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.398	70	33414	12.025	ng	# 77
51) 2,6-Dinitrotoluene	14.844	165	18480	8.072	ng	# 26
57) 2,4-Dinitrotoluene	14.844	165	18480	5.725	ng	# 24
67) 4-Bromophenyl-phenylether	16.331	248	11981	3.463	ng	# 1
71) Phenanthrene	17.629	178	34083	2.080	ng	98
78) Pyrene	19.986	202	52510	2.754	ng	97
87) Indeno(1,2,3-cd)pyrene	29.163	276	97098	3.949	ng	# 94
90) Benzo(a)pyrene	25.103	252	34422	2.052	ng	# 91
91) Dibenzo(a,h)anthracene	29.228	278	61810	3.076	ng	99
92) Benzo(g,h,i)perylene	30.385	276	103945	5.133	ng	99

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

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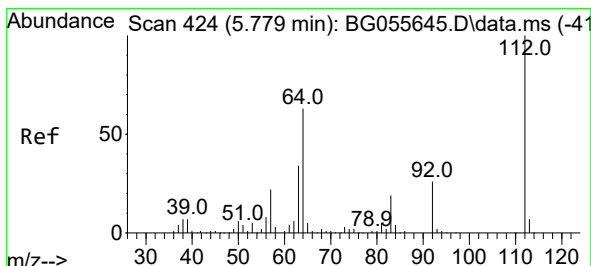
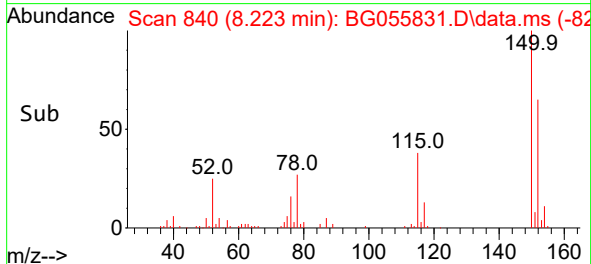
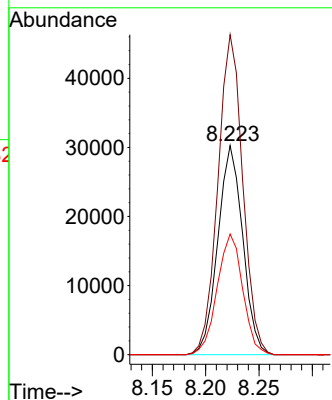
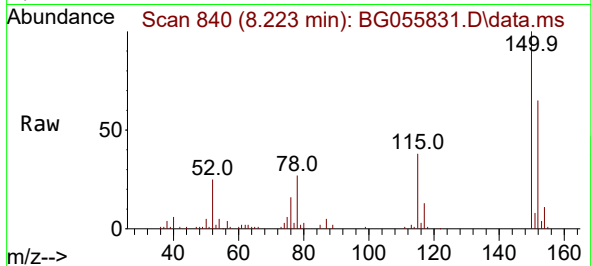




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 84
Delta R.T. -0.003 min
Lab File: BG055831.D
Acq: 29 Nov 2022 16:42

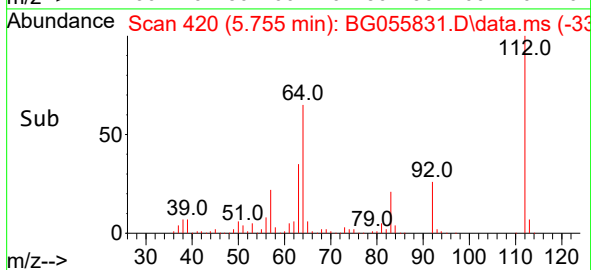
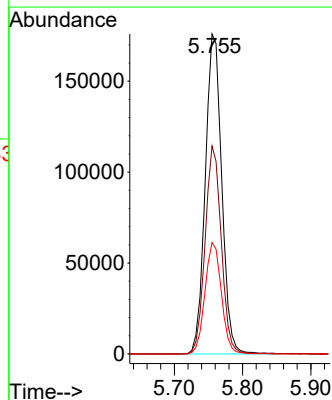
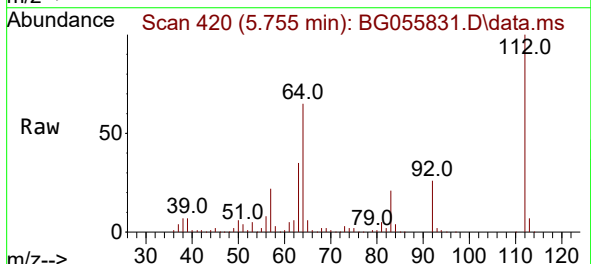
Instrument :
BNA_G
ClientSampleId :
MH-15

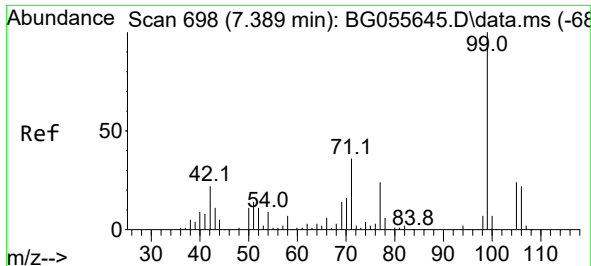
Tgt Ion:152 Resp: 49109
Ion Ratio Lower Upper
152 100
150 153.1 123.0 184.6
115 57.7 47.0 70.4



#5
2-Fluorophenol
Concen: 108.838 ng
RT: 5.755 min Scan# 420
Delta R.T. -0.003 min
Lab File: BG055831.D
Acq: 29 Nov 2022 16:42

Tgt Ion:112 Resp: 295704
Ion Ratio Lower Upper
112 100
64 65.0 50.6 76.0
63 34.8 27.5 41.3

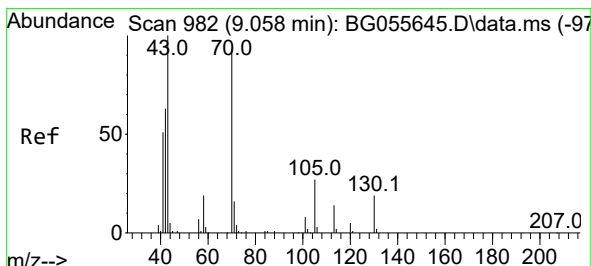
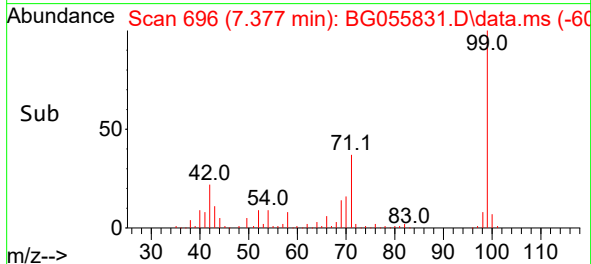
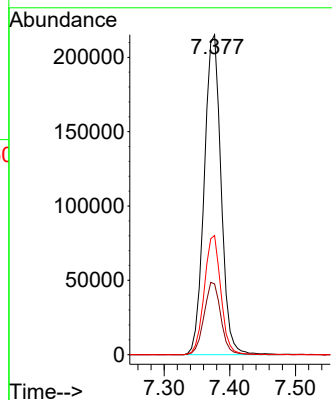
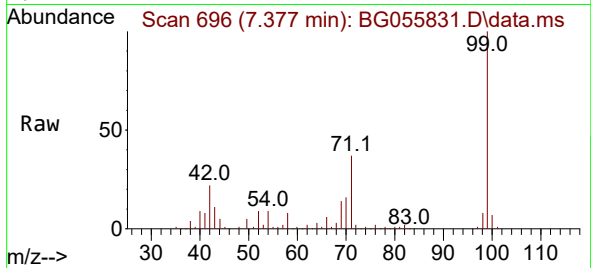




#7
Phenol-d6
Concen: 106.395 ng
RT: 7.377 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG055831.D
Acq: 29 Nov 2022 16:42

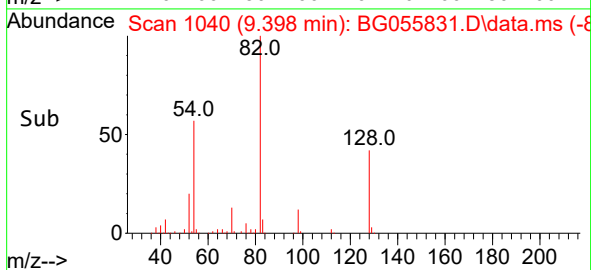
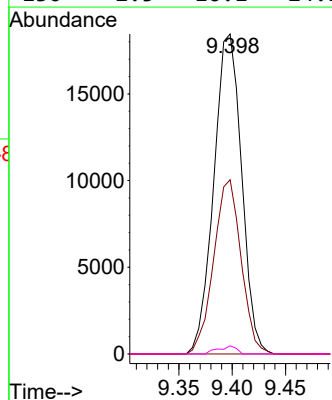
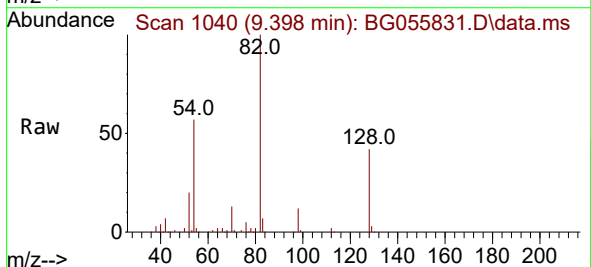
Instrument :
BNA_G
ClientSampleId :
MH-15

Tgt Ion: 99 Resp: 384795
Ion Ratio Lower Upper
99 100
42 22.1 18.0 27.0
71 37.2 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 12.025 ng
RT: 9.398 min Scan# 1040
Delta R.T. 0.367 min
Lab File: BG055831.D
Acq: 29 Nov 2022 16:42

Tgt Ion: 70 Resp: 33414
Ion Ratio Lower Upper
70 100
42 54.5 55.2 82.8#
101 0.0 7.1 10.7#
130 2.5 16.1 24.1#

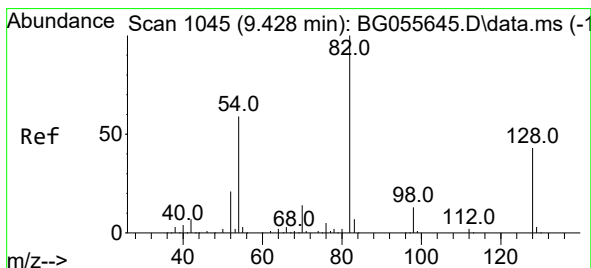
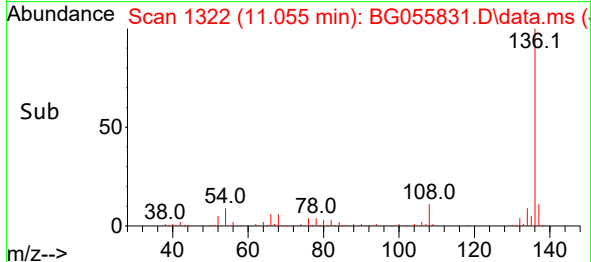
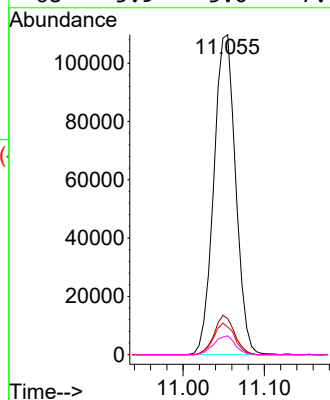
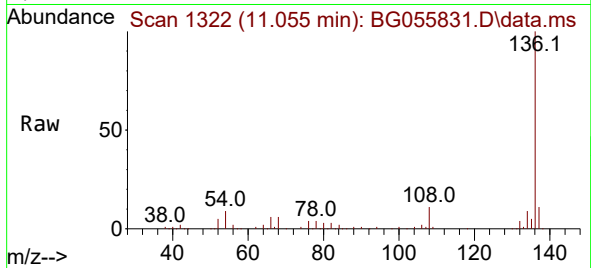




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.055 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG055831.D
Acq: 29 Nov 2022 16:42

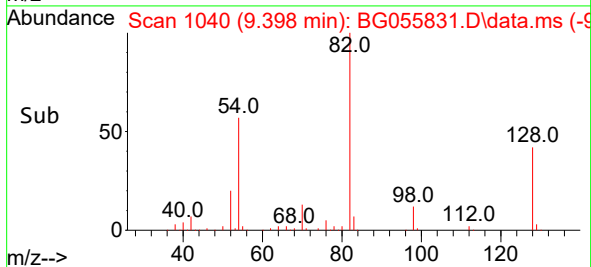
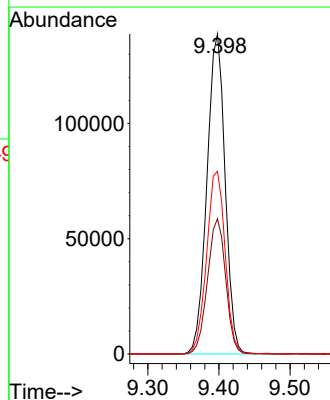
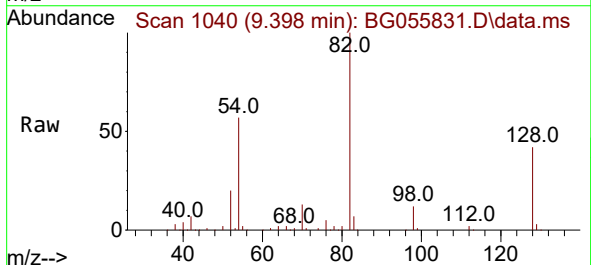
Instrument :
BNA_G
ClientSampleId :
MH-15

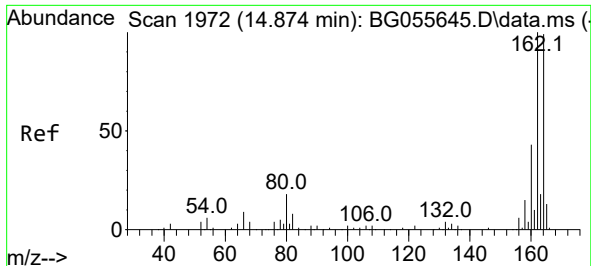
Tgt Ion:	136	Resp:	204804
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.6
54	8.6	7.8	11.6
68	5.9	5.0	7.4



#23
Nitrobenzene-d5
Concen: 63.683 ng
RT: 9.398 min Scan# 1040
Delta R.T. -0.003 min
Lab File: BG055831.D
Acq: 29 Nov 2022 16:42

Tgt Ion:	82	Resp:	246762
Ion Ratio	Lower	Upper	
82	100		
128	42.3	34.1	51.1
54	57.1	47.3	70.9

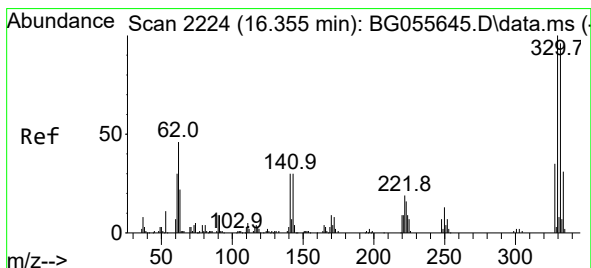
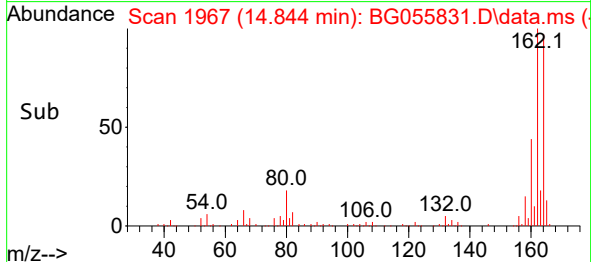
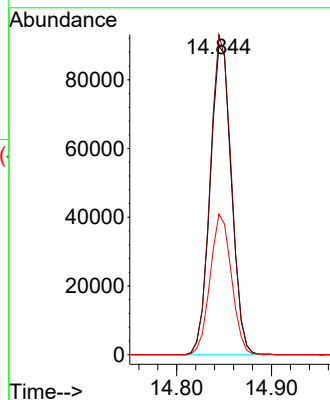
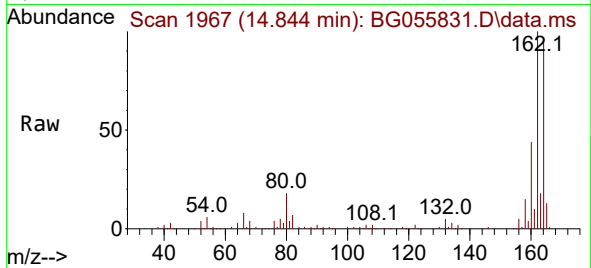




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.844 min Scan# 1972
Delta R.T. -0.009 min
Lab File: BG055831.D
Acq: 29 Nov 2022 16:42

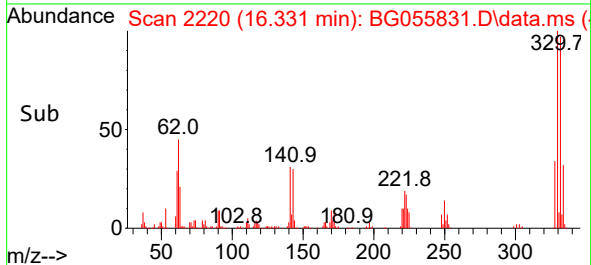
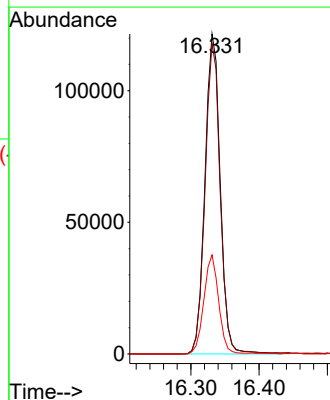
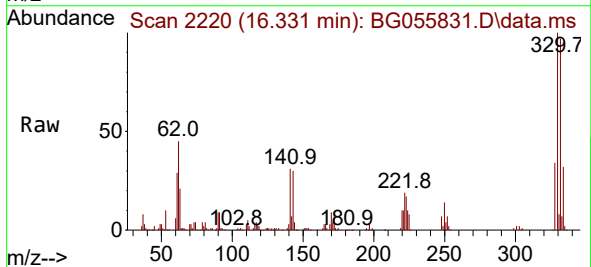
Instrument :
BNA_G
ClientSampleId :
MH-15

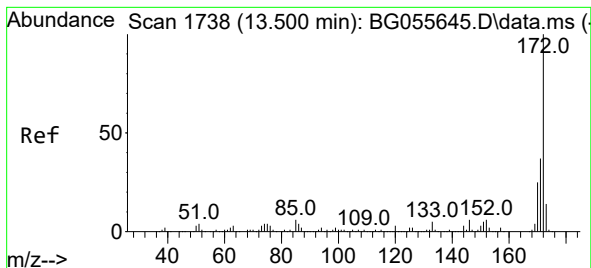
Tgt Ion:164 Resp: 140459
Ion Ratio Lower Upper
164 100
162 103.5 81.1 121.7
160 45.5 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 95.719 ng
RT: 16.331 min Scan# 2220
Delta R.T. -0.003 min
Lab File: BG055831.D
Acq: 29 Nov 2022 16:42

Tgt Ion:330 Resp: 189318
Ion Ratio Lower Upper
330 100
332 96.5 77.8 116.8
141 30.2 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 64.538 ng

RT: 13.470 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG055831.D

Acq: 29 Nov 2022 16:42

Instrument :

BNA_G

ClientSampleId :

MH-15

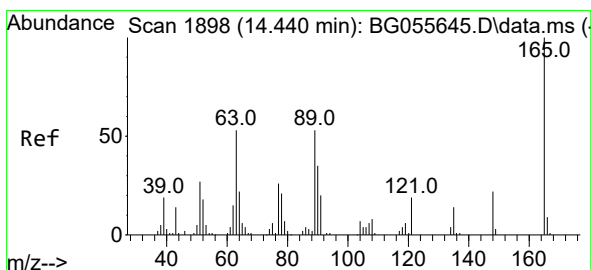
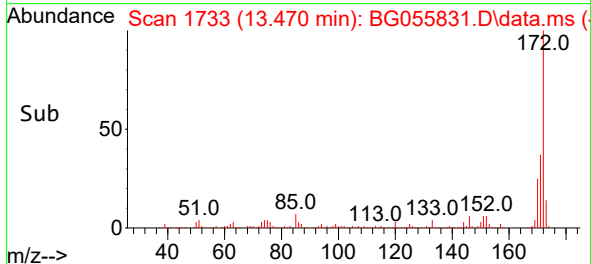
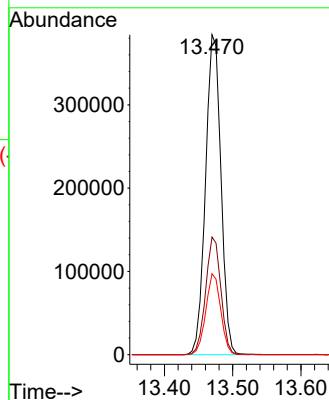
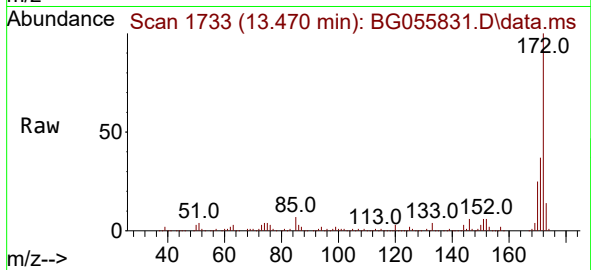
Tgt Ion:172 Resp: 605086

Ion Ratio Lower Upper

172 100

171 36.8 29.8 44.6

170 25.3 20.2 30.4



#51

2,6-Dinitrotoluene

Concen: 8.072 ng

RT: 14.844 min Scan# 1967

Delta R.T. 0.426 min

Lab File: BG055831.D

Acq: 29 Nov 2022 16:42

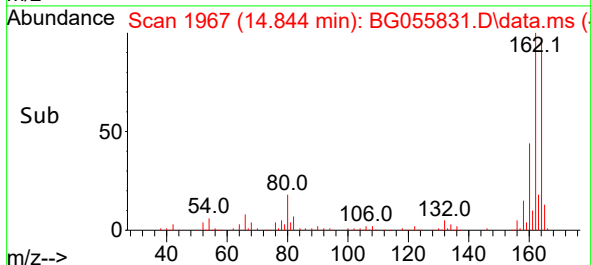
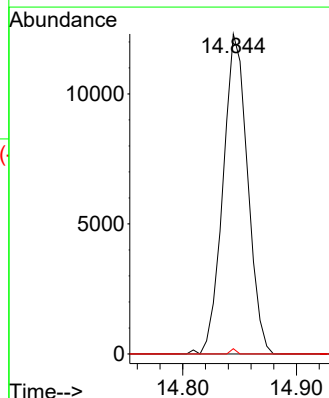
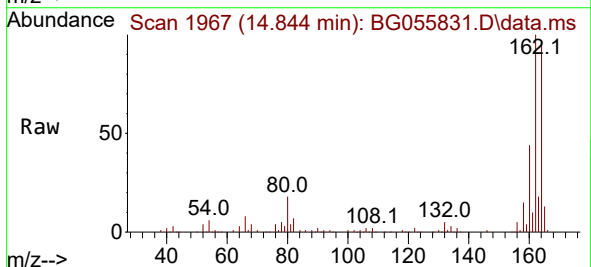
Tgt Ion:165 Resp: 18480

Ion Ratio Lower Upper

165 100

63 0.0 44.6 66.8#

89 1.6 42.2 63.4#





#57

2,4-Dinitrotoluene

Concen: 5.725 ng

RT: 14.844 min Scan# 1967

Delta R.T. -0.361 min

Lab File: BG055831.D

Acq: 29 Nov 2022 16:42

Instrument :

BNA_G

ClientSampleId :

MH-15

Tgt Ion:165 Resp: 18480

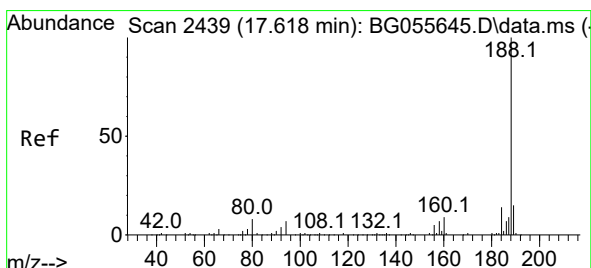
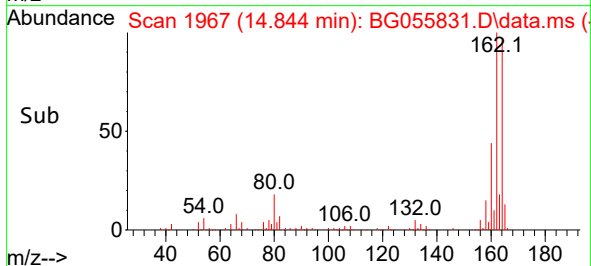
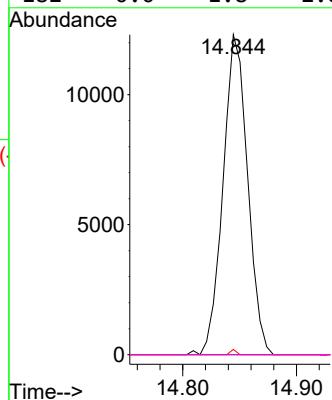
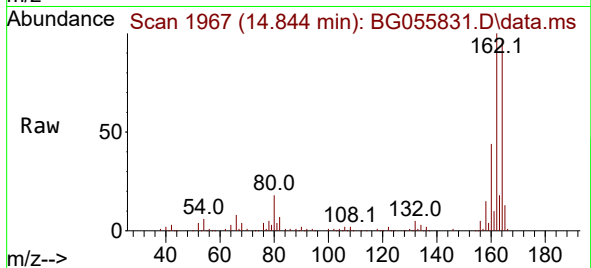
Ion Ratio Lower Upper

165 100

63 0.0 35.8 53.8#

89 1.6 56.2 84.4#

182 0.0 1.8 2.8#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.588 min Scan# 2434

Delta R.T. -0.003 min

Lab File: BG055831.D

Acq: 29 Nov 2022 16:42

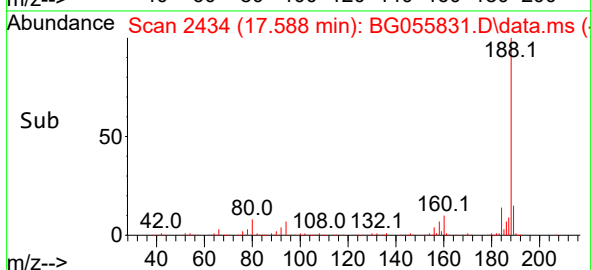
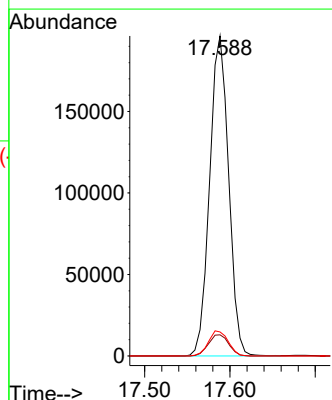
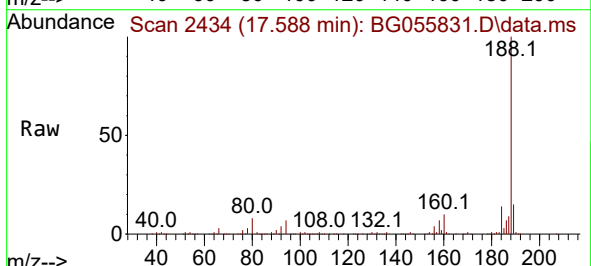
Tgt Ion:188 Resp: 303606

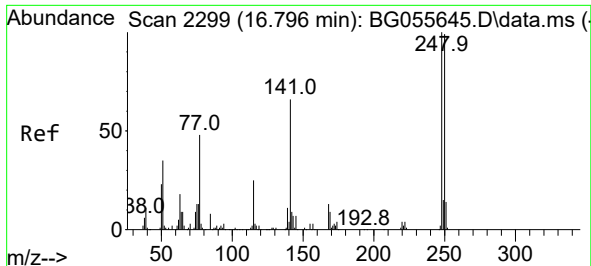
Ion Ratio Lower Upper

188 100

94 6.6 5.4 8.2

80 7.5 6.6 10.0

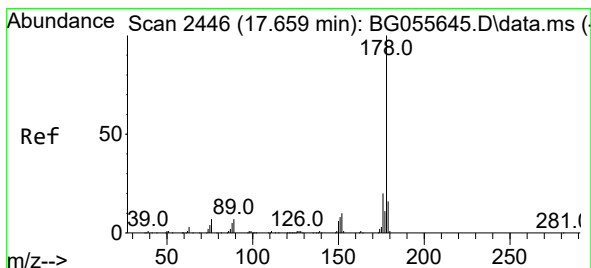
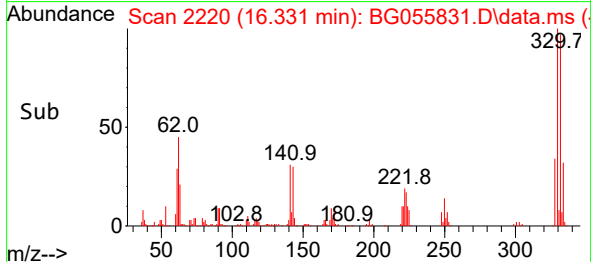
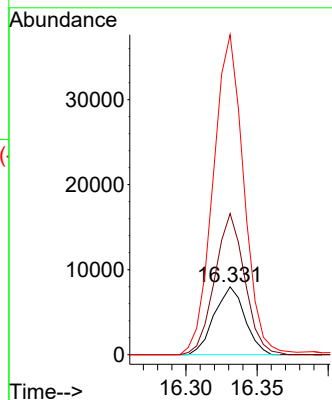
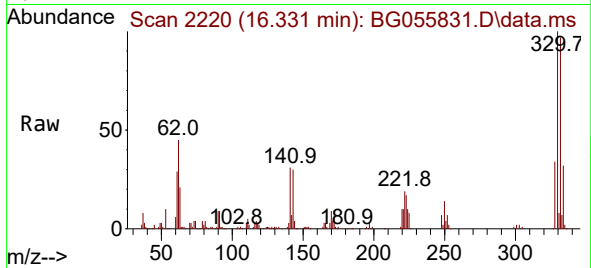




#67
4-Bromophenyl-phenylether
Concen: 3.463 ng
RT: 16.331 min Scan# 21
Delta R.T. -0.438 min
Lab File: BG055831.D
Acq: 29 Nov 2022 16:42

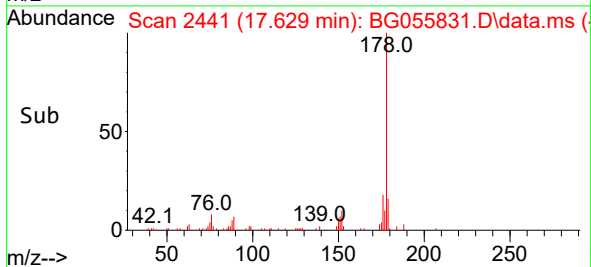
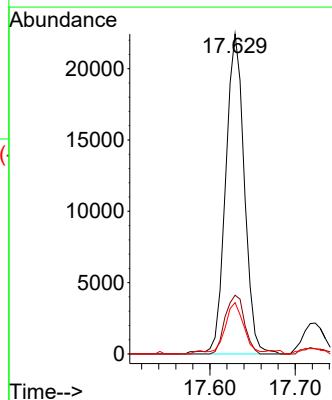
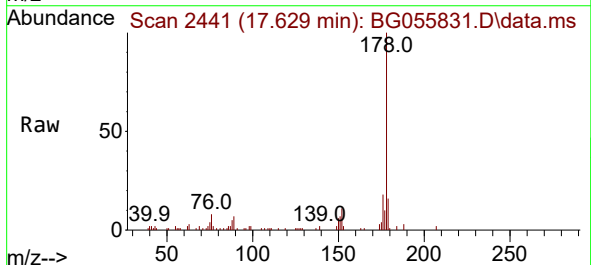
Instrument :
BNA_G
ClientSampleId :
MH-15

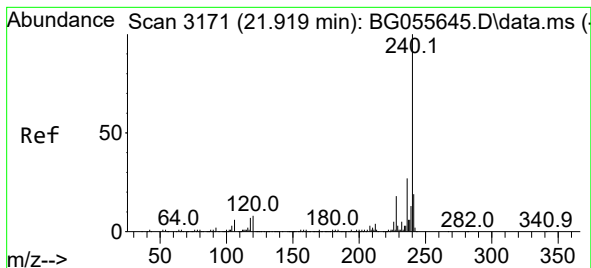
Tgt Ion:248 Resp: 11981
Ion Ratio Lower Upper
248 100
250 207.7 79.0 118.4#
141 471.2 52.9 79.3#



#71
Phenanthrene
Concen: 2.080 ng
RT: 17.629 min Scan# 2441
Delta R.T. -0.003 min
Lab File: BG055831.D
Acq: 29 Nov 2022 16:42

Tgt Ion:178 Resp: 34083
Ion Ratio Lower Upper
178 100
176 18.3 16.0 24.0
179 16.1 12.7 19.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.877 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG055831.D

Acq: 29 Nov 2022 16:42

Instrument :

BNA_G

ClientSampleId :

MH-15

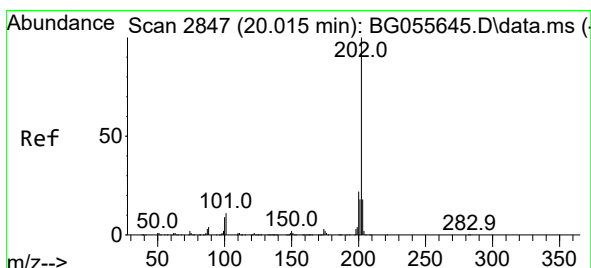
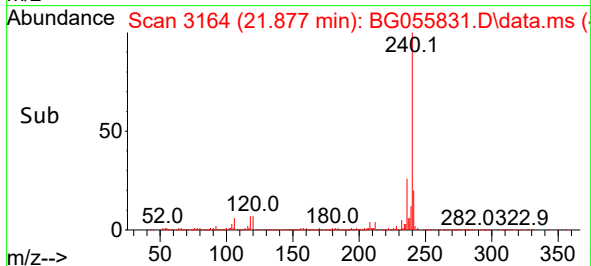
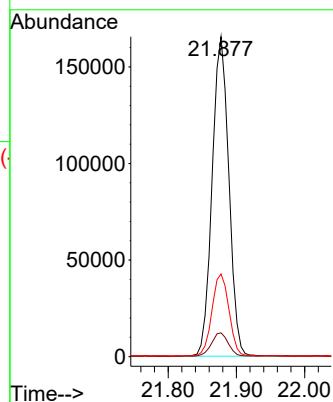
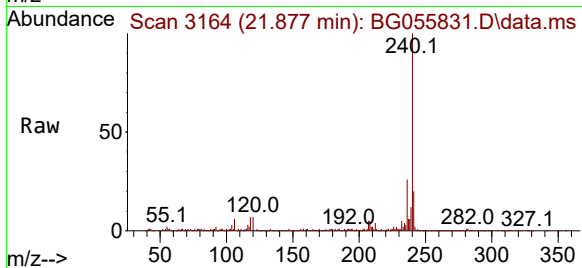
Tgt Ion:240 Resp: 281639

Ion Ratio Lower Upper

240 100

120 7.5 6.3 9.5

236 25.9 21.9 32.9



#78

Pyrene

Concen: 2.754 ng

RT: 19.986 min Scan# 2842

Delta R.T. -0.009 min

Lab File: BG055831.D

Acq: 29 Nov 2022 16:42

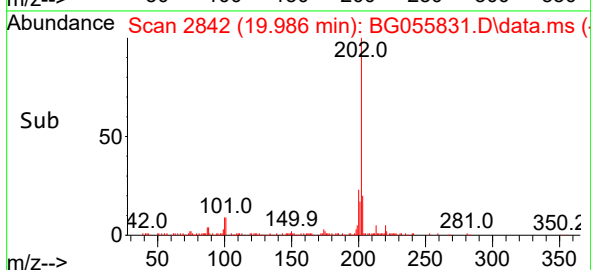
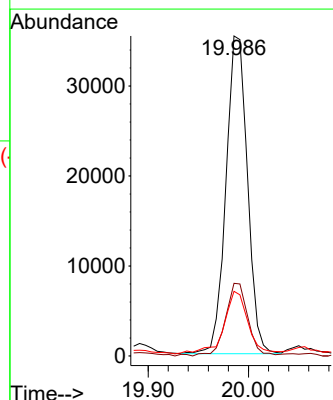
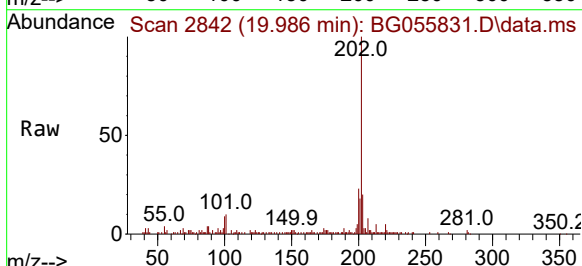
Tgt Ion:202 Resp: 52510

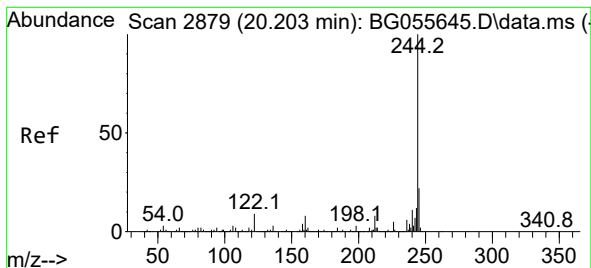
Ion Ratio Lower Upper

202 100

200 22.7 17.8 26.6

203 20.2 14.4 21.6





#79

Terphenyl-d14

Concen: 66.319 ng

RT: 20.174 min Scan# 2

Delta R.T. -0.003 min

Lab File: BG055831.D

Acq: 29 Nov 2022 16:42

Instrument :

BNA_G

ClientSampleId :

MH-15

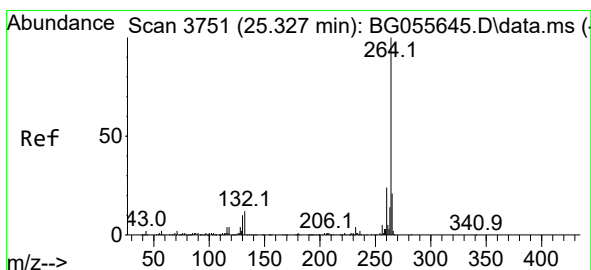
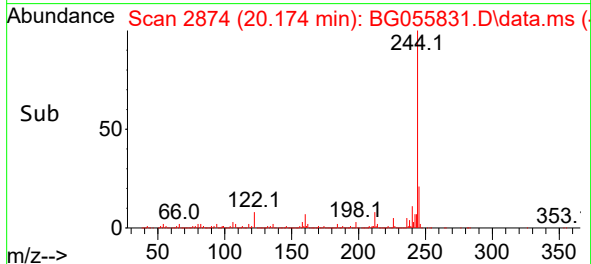
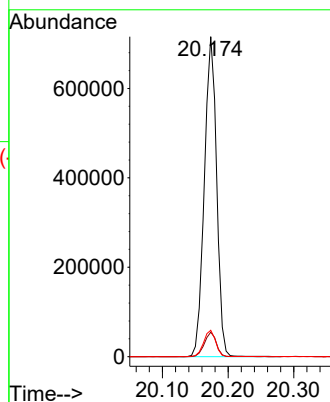
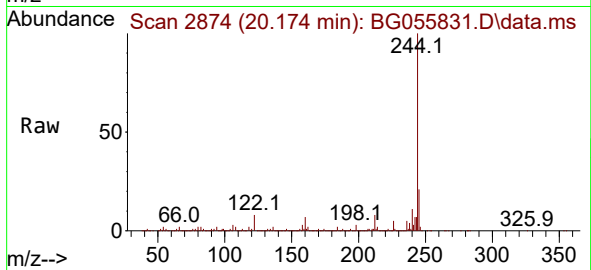
Tgt Ion:244 Resp: 933843

Ion Ratio Lower Upper

244 100

212 7.7 6.3 9.5

122 8.2 6.9 10.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.268 min Scan# 3741

Delta R.T. -0.003 min

Lab File: BG055831.D

Acq: 29 Nov 2022 16:42

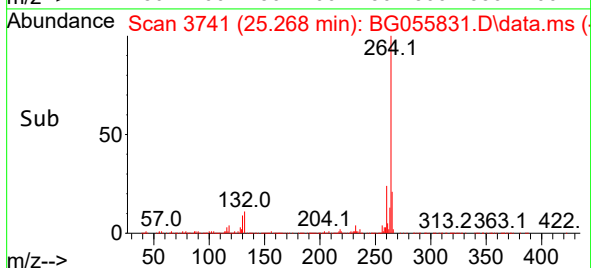
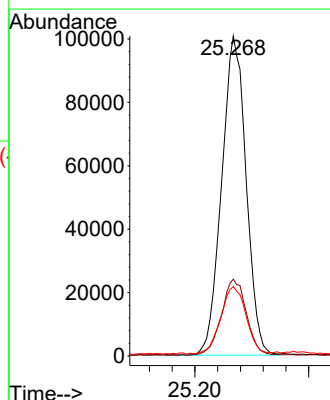
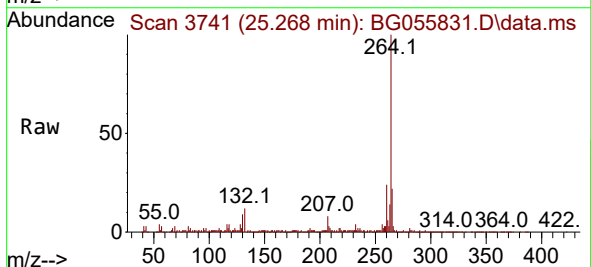
Tgt Ion:264 Resp: 300120

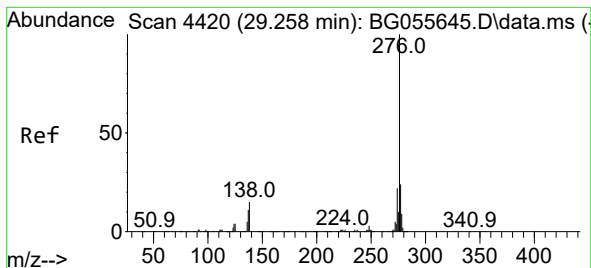
Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

265 21.6 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.949 ng

RT: 29.163 min Scan# 4420

Delta R.T. -0.026 min

Lab File: BG055831.D

Acq: 29 Nov 2022 16:42

Instrument :

BNA_G

ClientSampleId :

MH-15

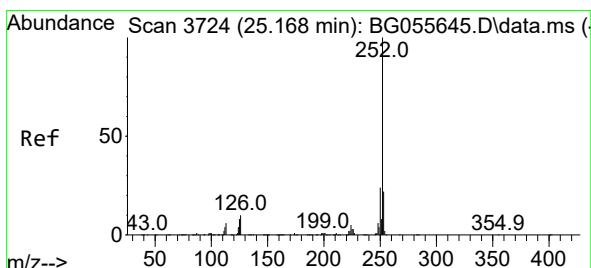
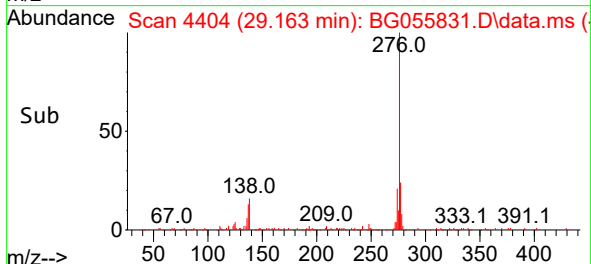
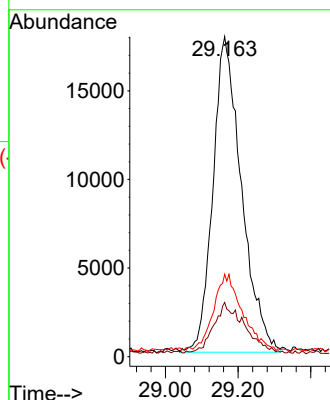
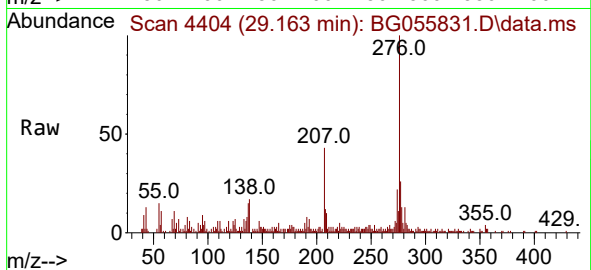
Tgt Ion:276 Resp: 97098

Ion Ratio Lower Upper

276 100

138 17.2 10.4 15.6#

277 23.7 20.2 30.4



#90

Benzo(a)pyrene

Concen: 2.052 ng

RT: 25.103 min Scan# 3713

Delta R.T. -0.015 min

Lab File: BG055831.D

Acq: 29 Nov 2022 16:42

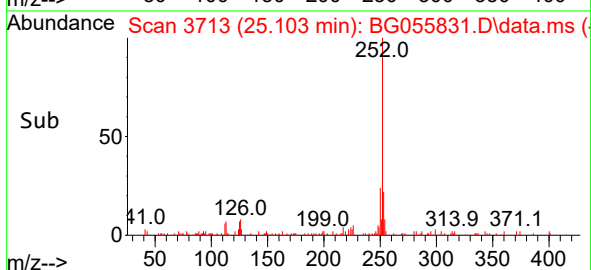
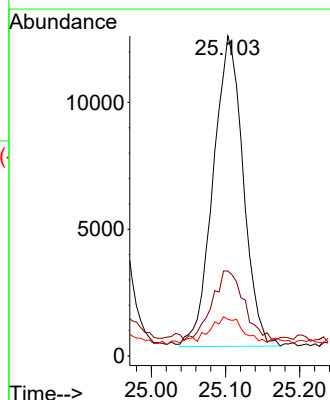
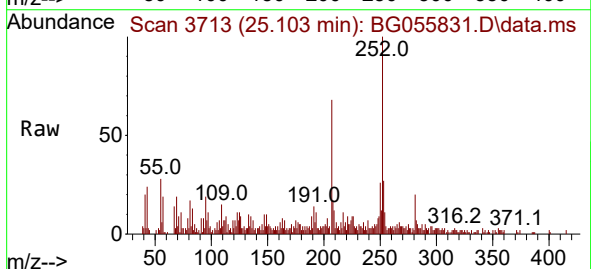
Tgt Ion:252 Resp: 34422

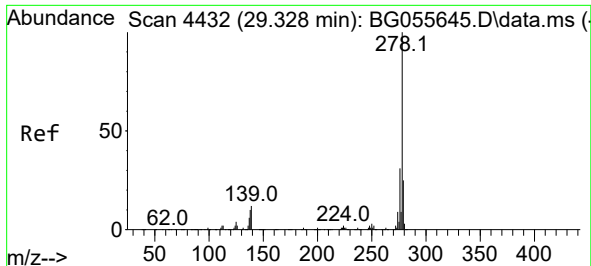
Ion Ratio Lower Upper

252 100

253 26.6 17.8 26.6

125 11.4 6.4 9.6#

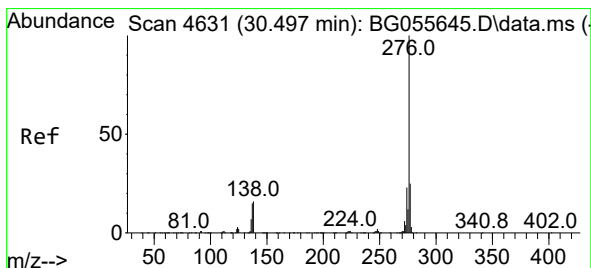
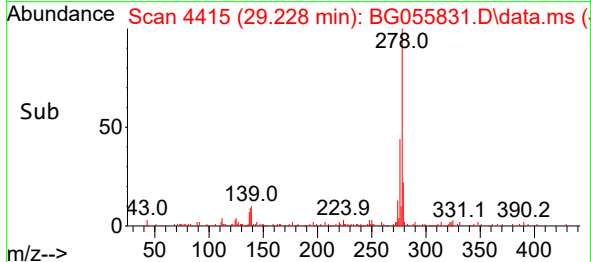
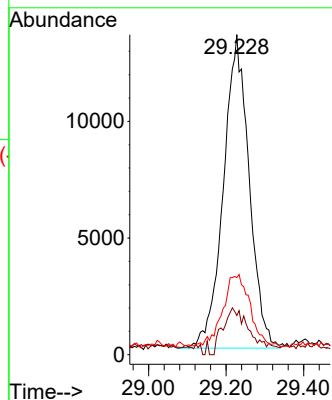
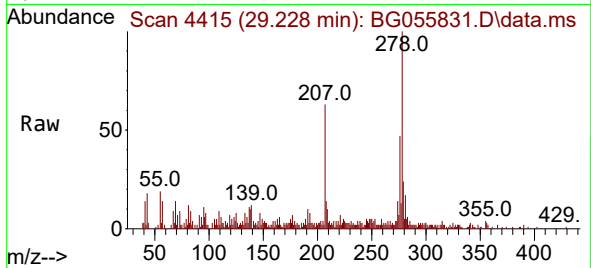




#91
Dibenzo(a,h)anthracene
Concen: 3.076 ng
RT: 29.228 min Scan# 4432
Delta R.T. -0.021 min
Lab File: BG055831.D
Acq: 29 Nov 2022 16:42

Instrument :
BNA_G
ClientSampleId :
MH-15

Tgt Ion:278 Resp: 61810
Ion Ratio Lower Upper
278 100
139 12.3 9.8 14.8
279 24.1 19.8 29.6



#92
Benzo(g,h,i)perylene
Concen: 5.133 ng
RT: 30.385 min Scan# 4612
Delta R.T. -0.032 min
Lab File: BG055831.D
Acq: 29 Nov 2022 16:42

Tgt Ion:276 Resp: 103945
Ion Ratio Lower Upper
276 100
277 25.6 19.8 29.6
138 16.6 13.1 19.7

