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 Data File : BG055769.D
 Acq On : 24 Nov 2022 00:25
 Operator : CG/JU
 Sample : N5745-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PAT-01-112122

Quant Time: Nov 24 06:10:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 06:05:02 2022
 Response via : Initial Calibration

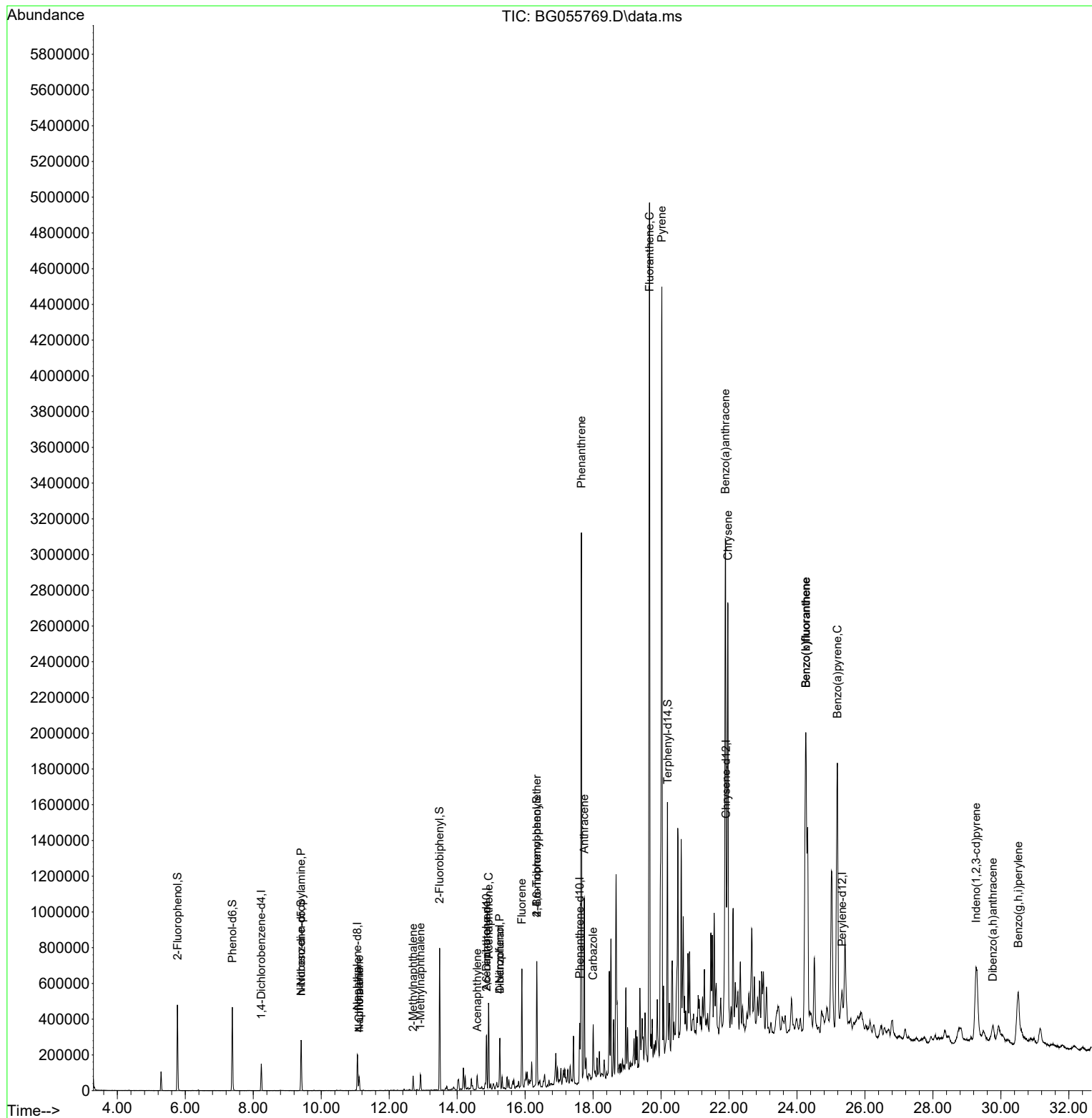
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.237	152	42825	20.000	ng	0.00
21) Naphthalene-d8	11.063	136	175682	20.000	ng	0.00
39) Acenaphthene-d10	14.864	164	112460	20.000	ng	0.00
64) Phenanthrene-d10	17.608	188	237501	20.000	ng	0.00
76) Chrysene-d12	21.915	240	214359	20.000	ng	0.01
86) Perylene-d12	25.328	264	237962	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.769	112	209795	88.548	ng	0.00
7) Phenol-d6	7.385	99	265050	84.039	ng	0.00
23) Nitrobenzene-d5	9.406	82	168726	50.762	ng	0.00
42) 2,4,6-Tribromophenol	16.345	330	121646	76.817	ng	0.00
45) 2-Fluorobiphenyl	13.484	172	411946	54.877	ng	0.00
79) Terphenyl-d14	20.193	244	598581	55.852	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.406	70	22744	9.386	ng	# 75
31) Naphthalene	11.116	128	64140	6.754	ng	99
33) 4-Chloroaniline	11.116	127	8566	2.186	ng	# 33
37) 2-Methylnaphthalene	12.702	142	39768	5.593	ng	99
38) 1-Methylnaphthalene	12.919	142	42900	6.215	ng	98
49) Acenaphthylene	14.588	152	70570	6.728	ng	# 95
51) 2,6-Dinitrotoluene	14.858	165	17848	9.737	ng	# 28
52) Acenaphthene	14.923	154	177240	25.854	ng	99
55) Dibenzofuran	15.258	168	174138	16.466	ng	98
56) 4-Nitrophenol	15.252	139	63664	40.311	ng	# 6
58) Fluorene	15.904	166	301025	35.638	ng	97
67) 4-Bromophenyl-phenylether	16.345	248	7427	2.745	ng	# 1
71) Phenanthrene	17.655	178	2003091	156.289	ng	96
72) Anthracene	17.743	178	696100	55.899	ng	99
73) Carbazole	18.002	167	191295	17.088	ng	99
75) Fluoranthene	19.659	202	3349891	214.843	ng	90
78) Pyrene	20.023	202	3115099	214.693	ng	# 89
81) Benzo(a)anthracene	21.891	228	2049624	138.824	ng	95
83) Chrysene	21.968	228	1857153	132.131	ng	94
87) Indeno(1,2,3-cd)pyrene	29.271	276	984721	50.513	ng	94
88) Benzo(b)fluoranthene	24.259	252	2584246	166.754	ng	96
89) Benzo(k)fluoranthene	24.259	252	2584246	167.288	ng	95
90) Benzo(a)pyrene	25.187	252	2047921	153.994	ng	95
91) Dibenzo(a,h)anthracene	29.759	278	179529	11.270	ng	93
92) Benzo(g,h,i)perylene	30.511	276	875552	54.531	ng	99

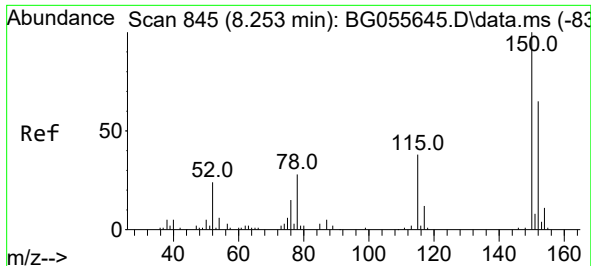
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112322\
Data File : BG055769.D
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Sample : N5745-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

Quant Time: Nov 24 06:10:40 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 24 06:05:02 2022
Response via : Initial Calibration

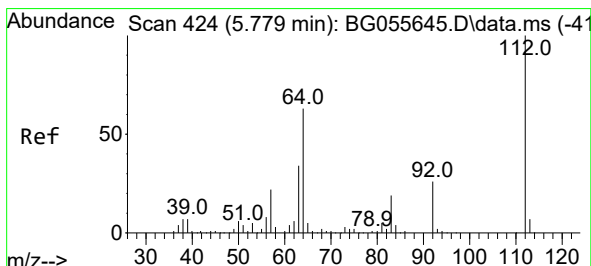
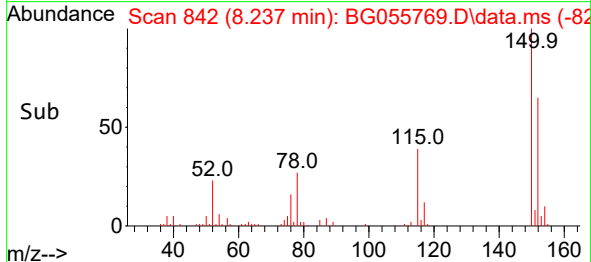
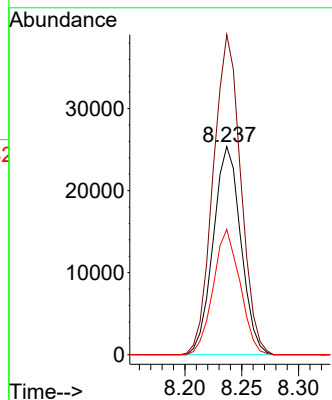
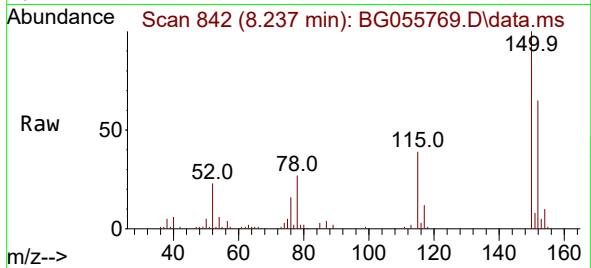




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.237 min Scan# 845
Delta R.T. 0.001 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

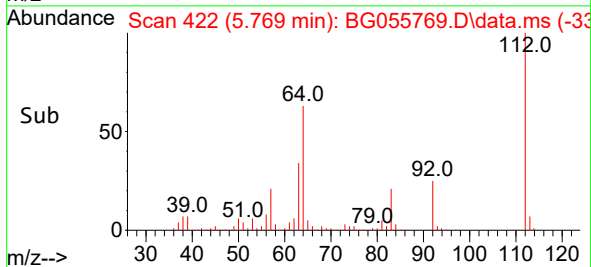
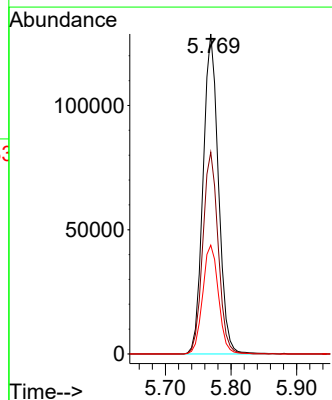
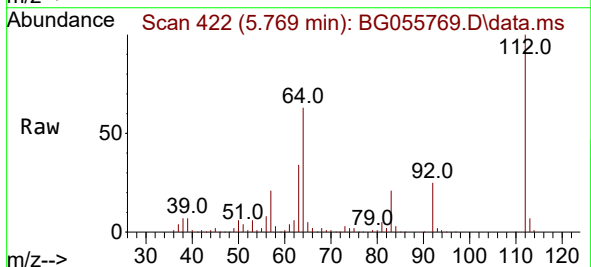
Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

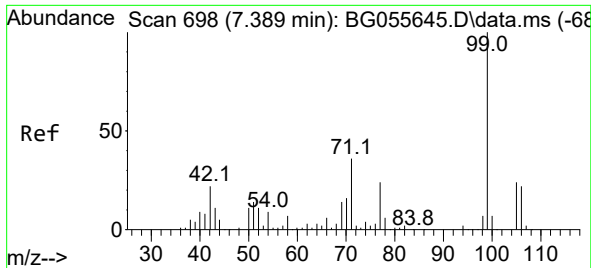
Tgt Ion:152 Resp: 42825
Ion Ratio Lower Upper
152 100
150 153.7 123.0 184.6
115 60.2 47.0 70.4



#5
2-Fluorophenol
Concen: 88.548 ng
RT: 5.769 min Scan# 422
Delta R.T. 0.001 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

Tgt Ion:112 Resp: 209795
Ion Ratio Lower Upper
112 100
64 63.1 50.6 76.0
63 34.0 27.5 41.3

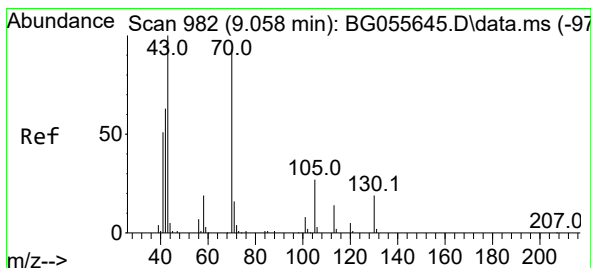
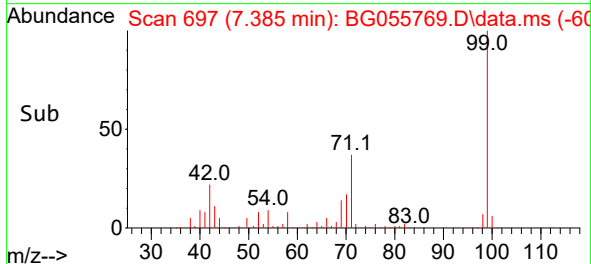
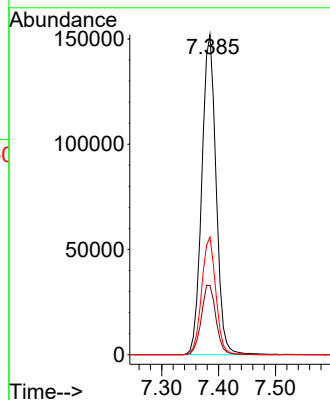
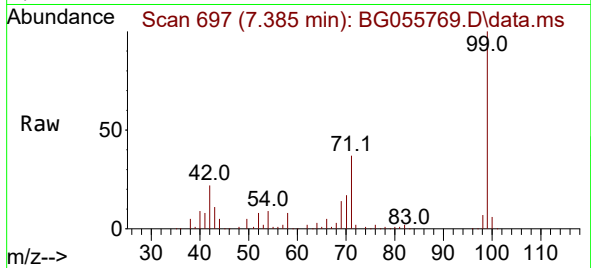




#7
Phenol-d6
Concen: 84.039 ng
RT: 7.385 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

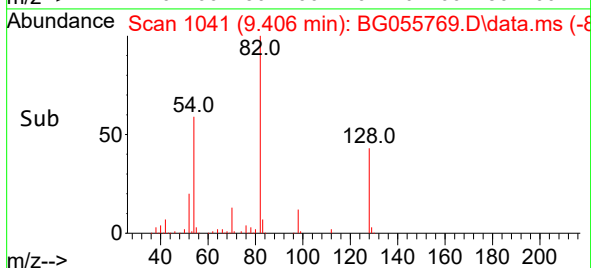
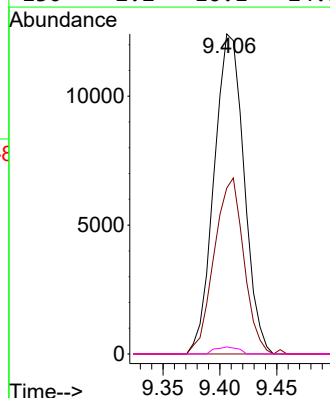
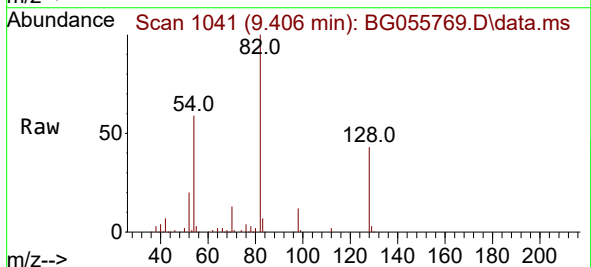
Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

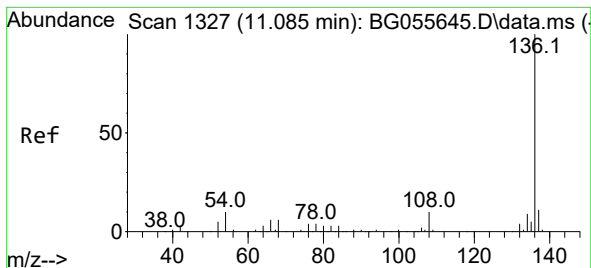
Tgt Ion: 99 Resp: 265050
Ion Ratio Lower Upper
99 100
42 21.6 18.0 27.0
71 36.8 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 9.386 ng
RT: 9.406 min Scan# 1041
Delta R.T. 0.360 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

Tgt Ion: 70 Resp: 22744
Ion Ratio Lower Upper
70 100
42 51.9 55.2 82.8#
101 0.0 7.1 10.7#
130 2.2 16.1 24.1#



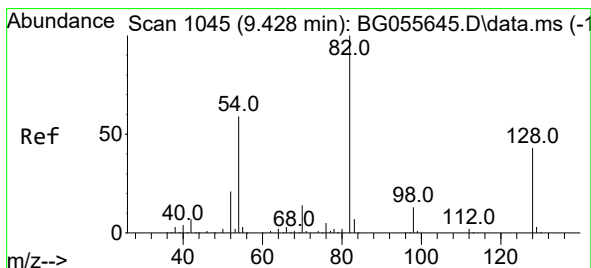
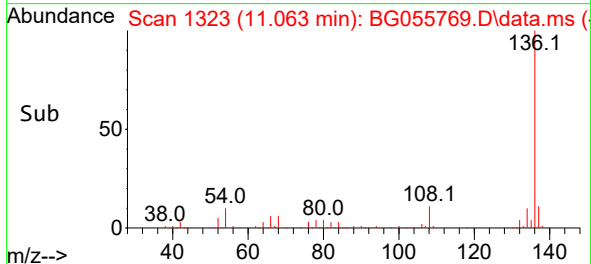
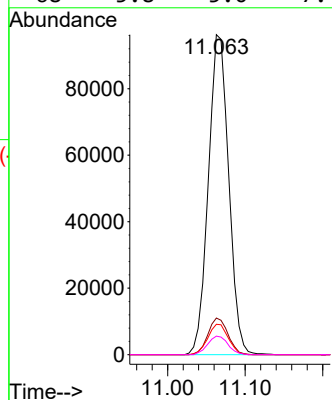
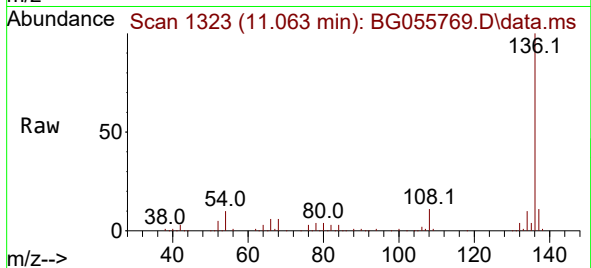


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.063 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

Tgt Ion:136 Resp: 175682

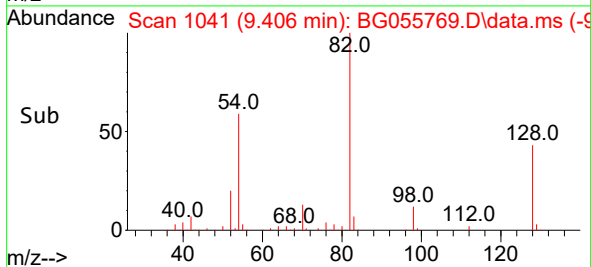
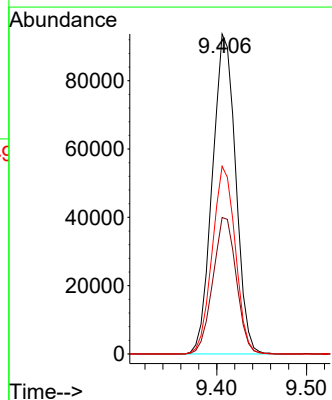
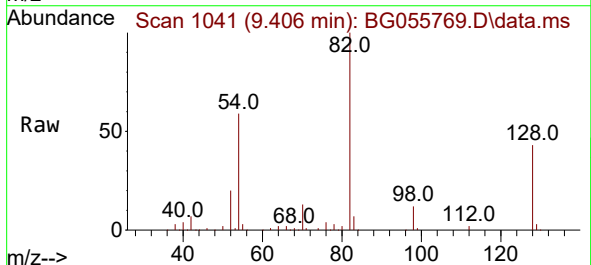
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.6
54	9.5	7.8	11.6
68	5.8	5.0	7.4

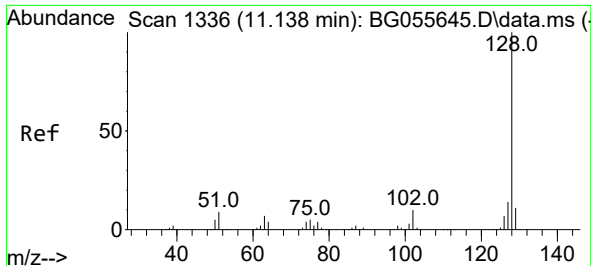


#23
Nitrobenzene-d5
Concen: 50.762 ng
RT: 9.406 min Scan# 1041
Delta R.T. -0.005 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

Tgt Ion: 82 Resp: 168726

Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.1	51.1
54	58.7	47.3	70.9

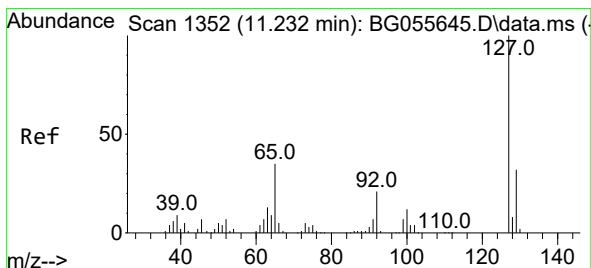
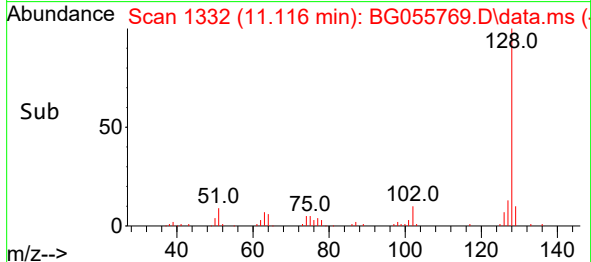
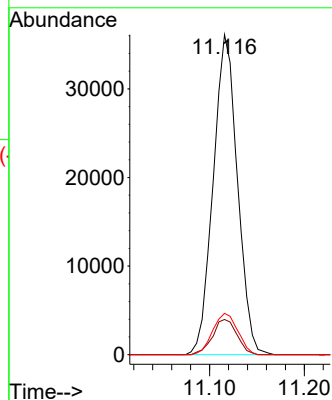
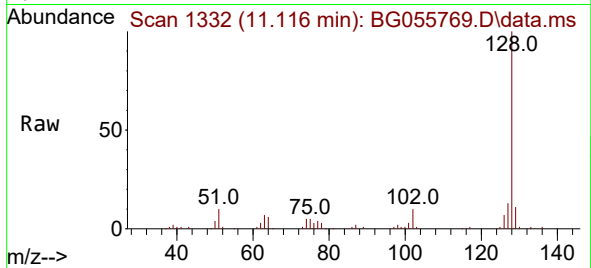




#31
Naphthalene
Concen: 6.754 ng
RT: 11.116 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

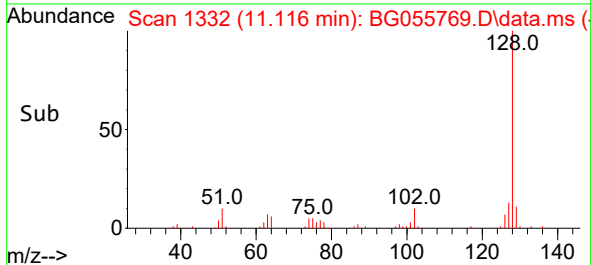
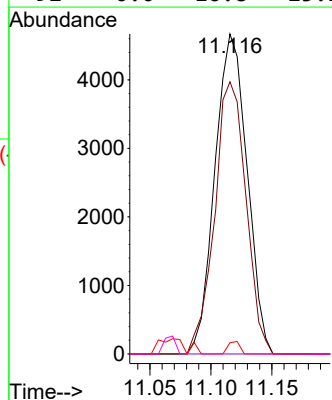
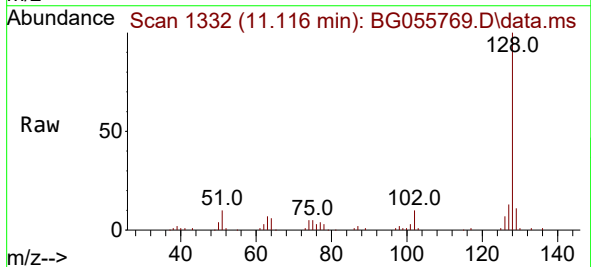
Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

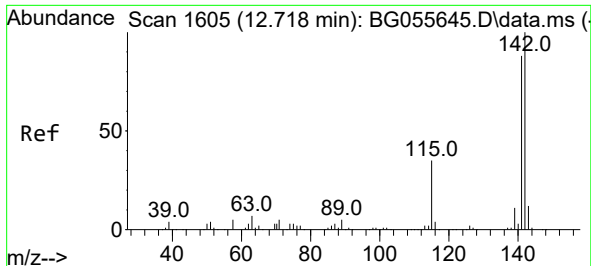
Tgt Ion:128 Resp: 64140
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 12.9 10.9 16.3



#33
4-Chloroaniline
Concen: 2.186 ng
RT: 11.116 min Scan# 1332
Delta R.T. -0.105 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

Tgt Ion:127 Resp: 8566
Ion Ratio Lower Upper
127 100
129 85.1 25.9 38.9#
65 3.5 27.9 41.9#
92 0.0 16.8 25.2#

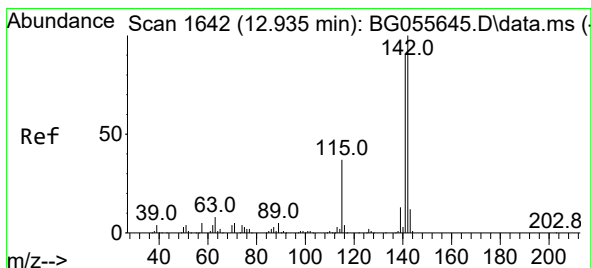
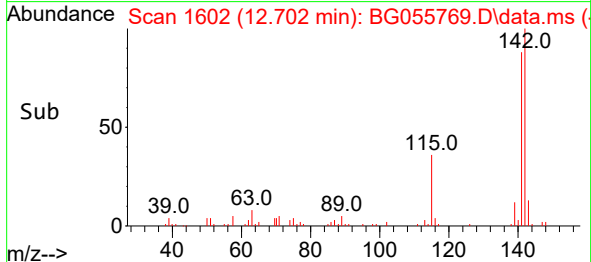
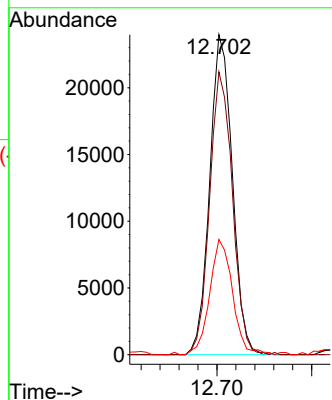
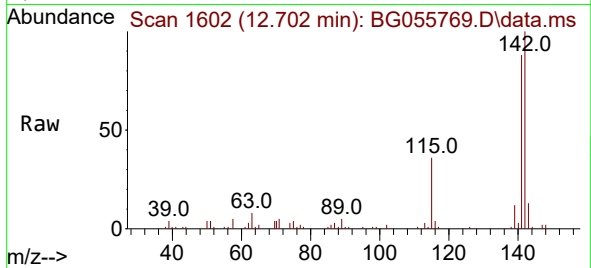




#37
2-Methylnaphthalene
Concen: 5.593 ng
RT: 12.702 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

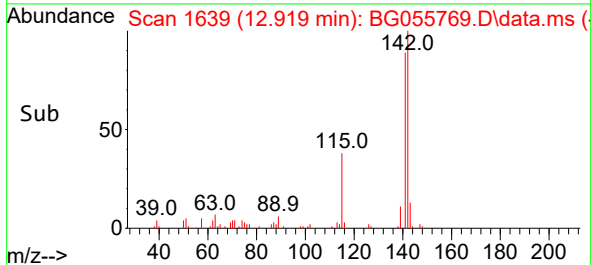
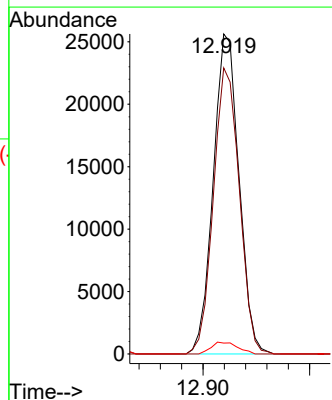
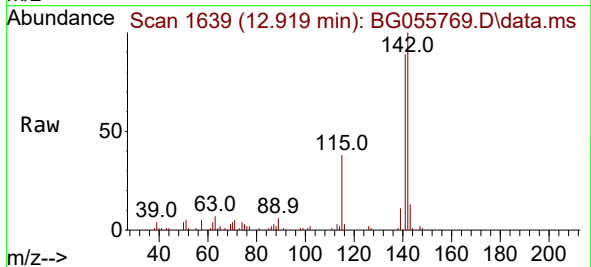
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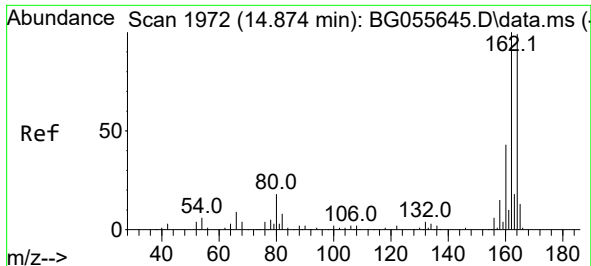
Tgt Ion:142 Resp: 39768
Ion Ratio Lower Upper
142 100
141 88.4 70.3 105.5
115 36.0 27.9 41.9



#38
1-Methylnaphthalene
Concen: 6.215 ng
RT: 12.919 min Scan# 1639
Delta R.T. -0.005 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

Tgt Ion:142 Resp: 42900
Ion Ratio Lower Upper
142 100
141 89.4 73.0 109.4
116 3.4 3.1 4.7

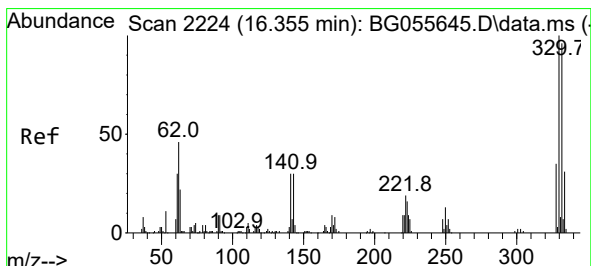
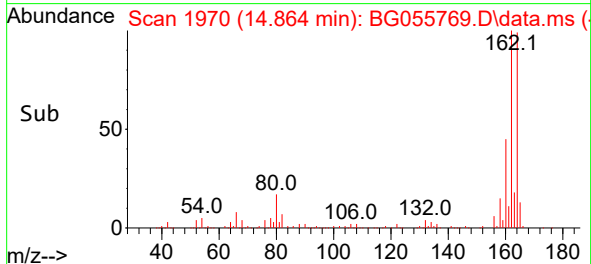
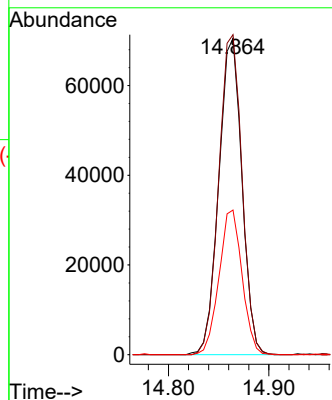
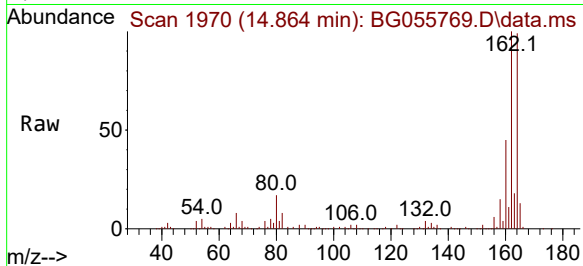




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.864 min Scan# 1972
Delta R.T. 0.001 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

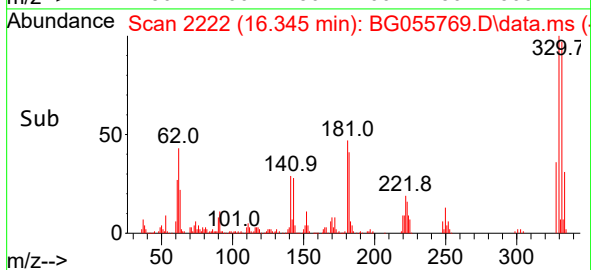
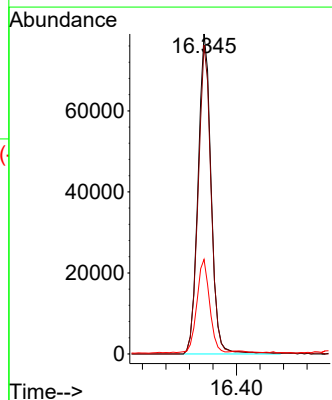
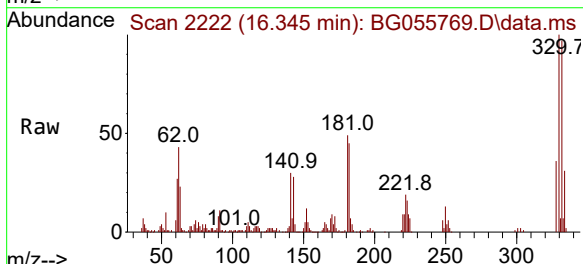
Instrument :
BNA_G
ClientSampleId :
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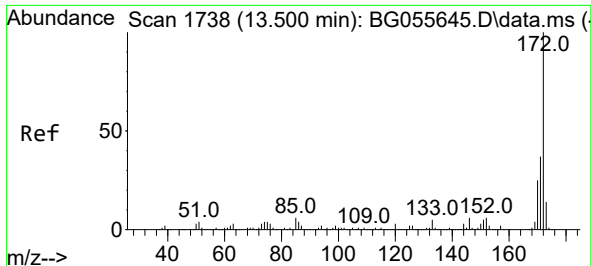
Tgt Ion:164 Resp: 112460
Ion Ratio Lower Upper
164 100
162 101.1 81.1 121.7
160 45.7 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 76.817 ng
RT: 16.345 min Scan# 2222
Delta R.T. -0.005 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

Tgt Ion:330 Resp: 121646
Ion Ratio Lower Upper
330 100
332 95.4 77.8 116.8
141 28.3 23.9 35.9

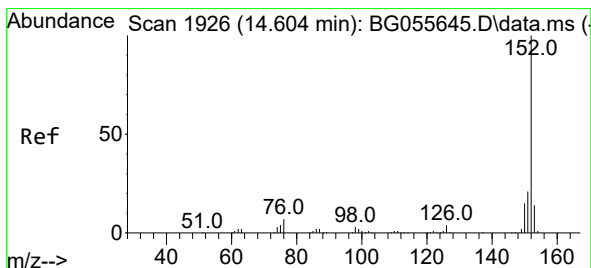
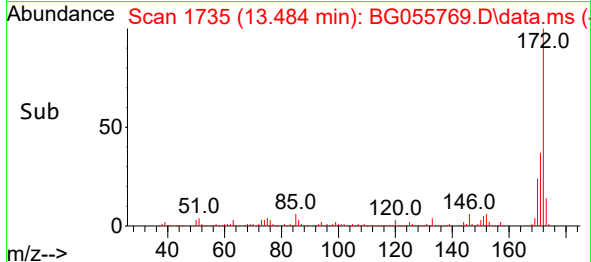
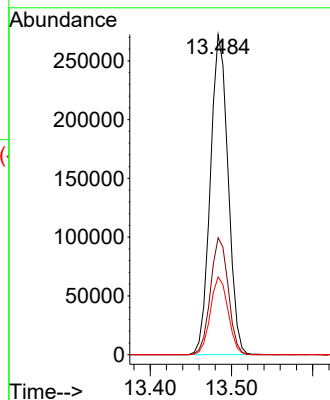
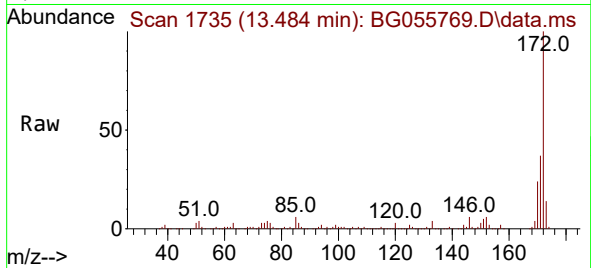




#45
2-Fluorobiphenyl
Concen: 54.877 ng
RT: 13.484 min Scan# 1735
Delta R.T. -0.005 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

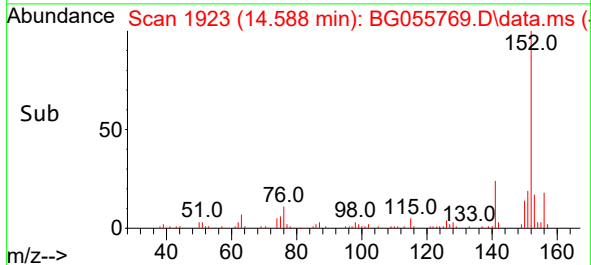
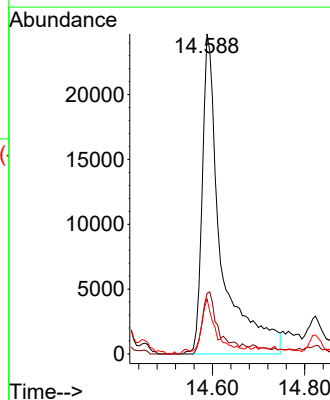
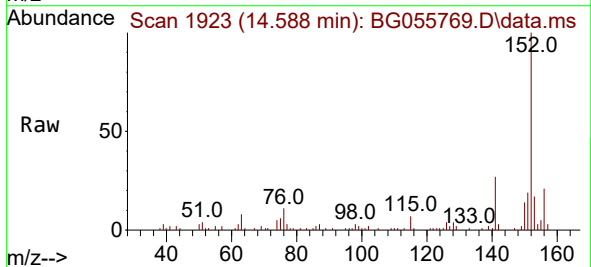
Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

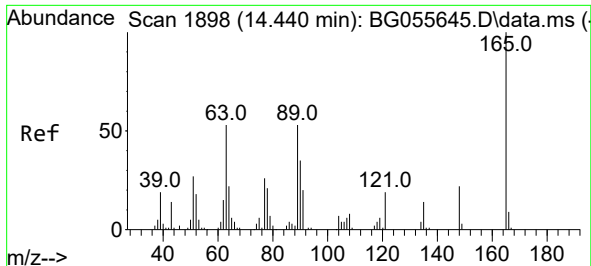
Tgt Ion:172 Resp: 411946
Ion Ratio Lower Upper
172 100
171 36.5 29.8 44.6
170 24.3 20.2 30.4



#49
Acenaphthylene
Concen: 6.728 ng
RT: 14.588 min Scan# 1923
Delta R.T. -0.005 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

Tgt Ion:152 Resp: 70570
Ion Ratio Lower Upper
152 100
151 19.0 16.4 24.6
153 17.2 11.0 16.4#

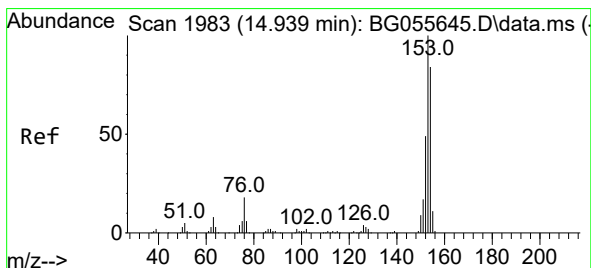
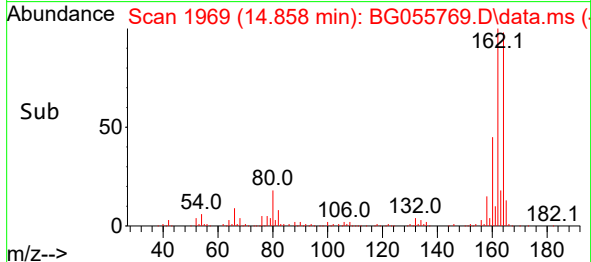
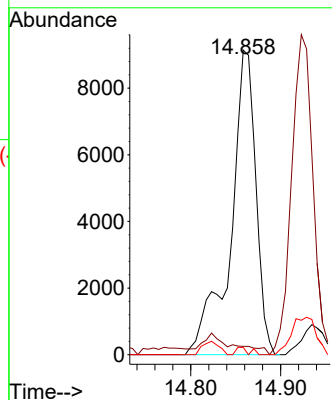
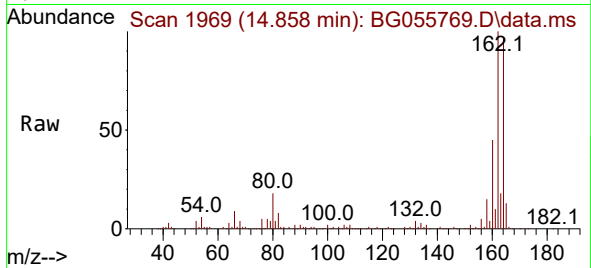




#51
2,6-Dinitrotoluene
Concen: 9.737 ng
RT: 14.858 min Scan# 1898
Delta R.T. 0.424 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

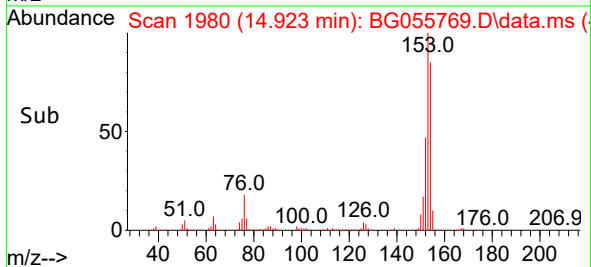
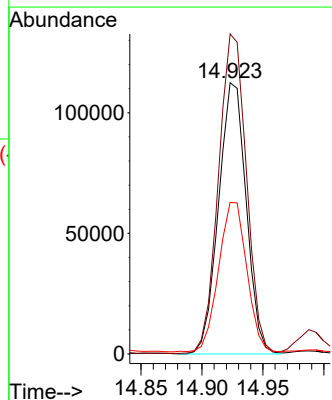
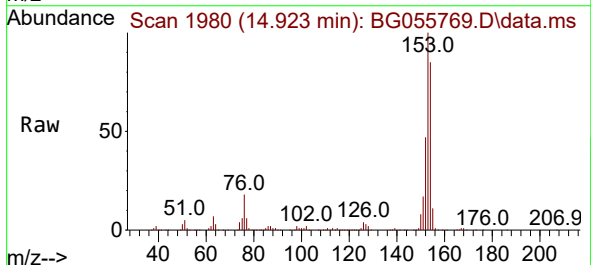
Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

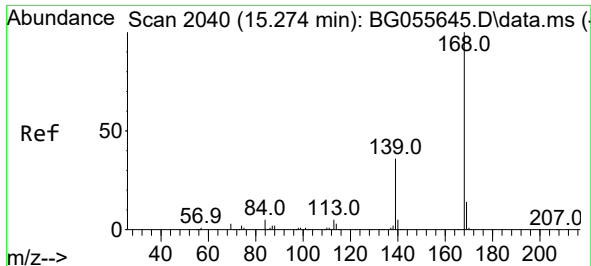
Tgt Ion:165 Resp: 17848
Ion Ratio Lower Upper
165 100
63 2.7 44.6 66.8#
89 2.4 42.2 63.4#



#52
Acenaphthene
Concen: 25.854 ng
RT: 14.923 min Scan# 1980
Delta R.T. -0.005 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

Tgt Ion:154 Resp: 177240
Ion Ratio Lower Upper
154 100
153 118.0 95.0 142.4
152 55.9 46.1 69.1

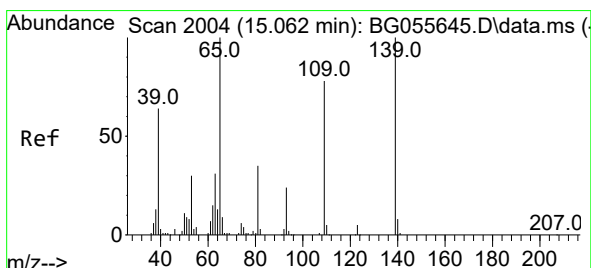
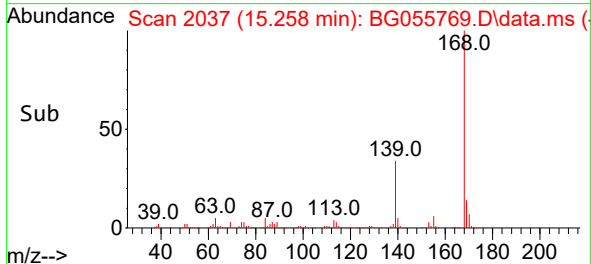
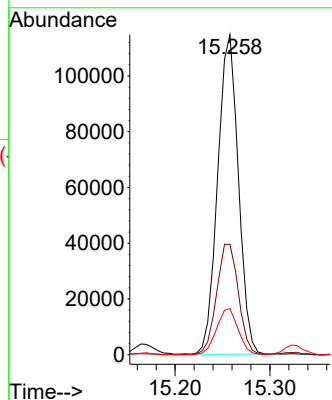
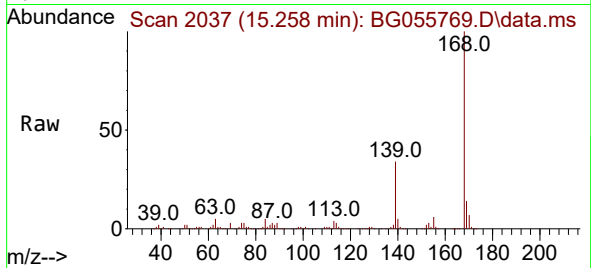




#55
Dibenzofuran
Concen: 16.466 ng
RT: 15.258 min Scan# 2040
Delta R.T. -0.005 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

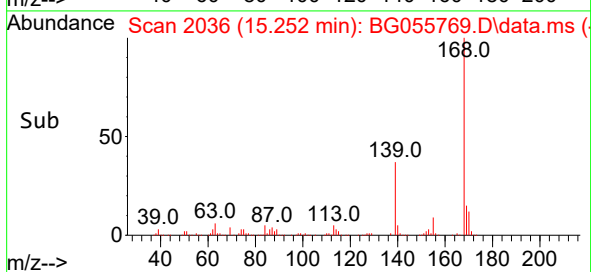
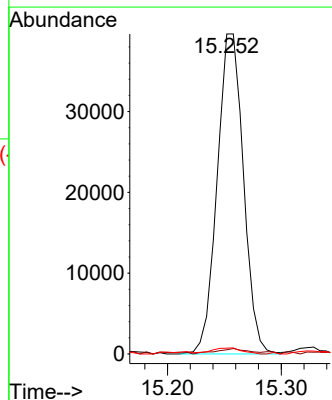
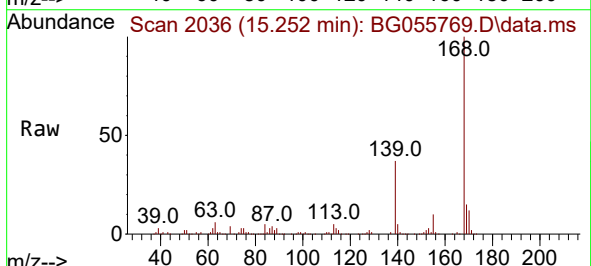
Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

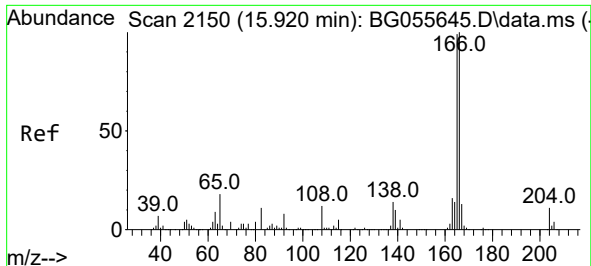
Tgt Ion:168 Resp: 174138
Ion Ratio Lower Upper
168 100
139 34.5 28.8 43.2
169 14.4 11.0 16.4



#56
4-Nitrophenol
Concen: 40.311 ng
RT: 15.252 min Scan# 2036
Delta R.T. 0.189 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

Tgt Ion:139 Resp: 63664
Ion Ratio Lower Upper
139 100
109 1.3 58.6 98.6#
65 1.8 80.5 120.5#

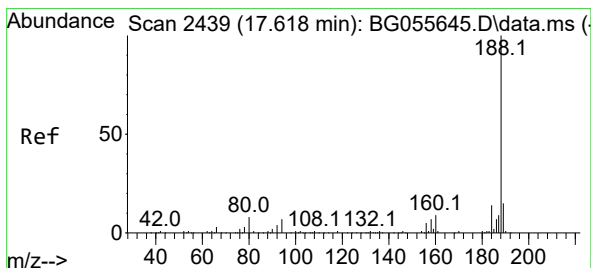
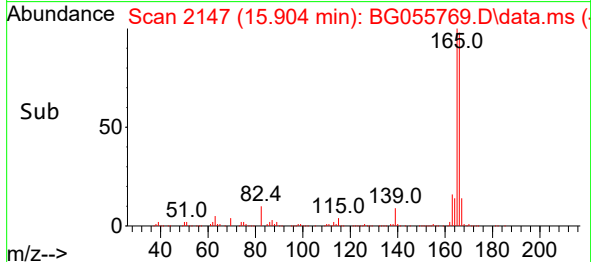
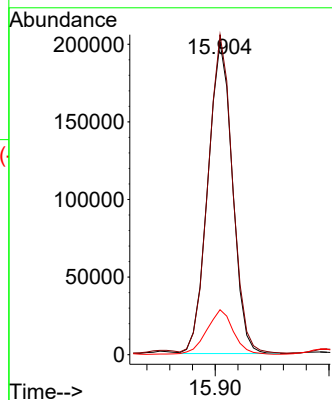
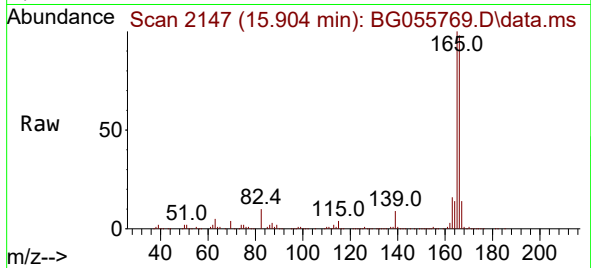




#58
Fluorene
Concen: 35.638 ng
RT: 15.904 min Scan# 2150
Delta R.T. -0.005 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

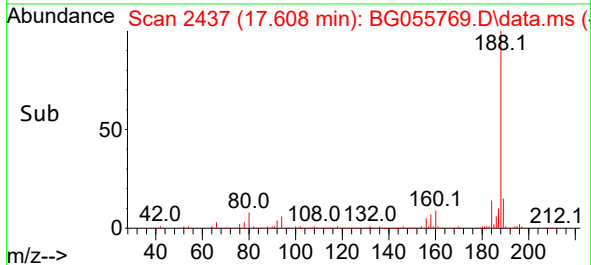
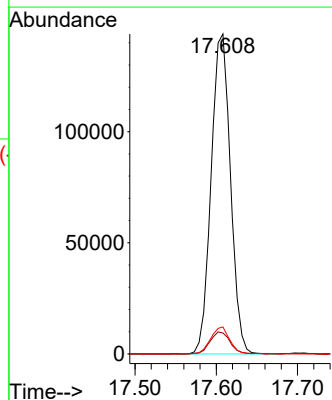
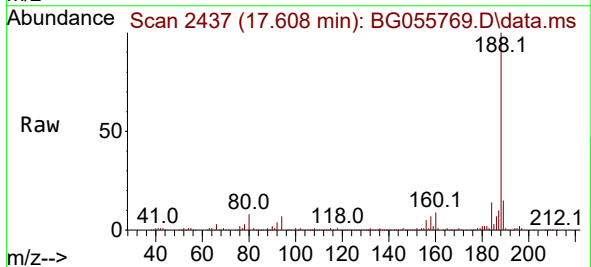
Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

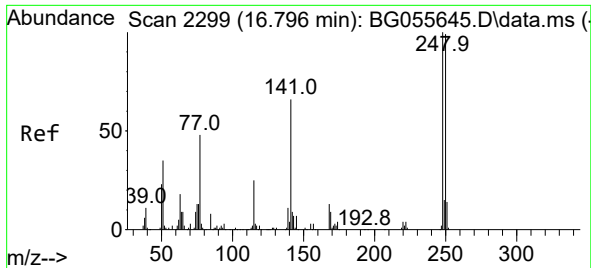
Tgt Ion:166 Resp: 301025
Ion Ratio Lower Upper
166 100
165 102.3 79.3 118.9
167 14.4 10.6 15.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.608 min Scan# 2437
Delta R.T. 0.001 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

Tgt Ion:188 Resp: 237501
Ion Ratio Lower Upper
188 100
94 6.6 5.4 8.2
80 8.4 6.6 10.0

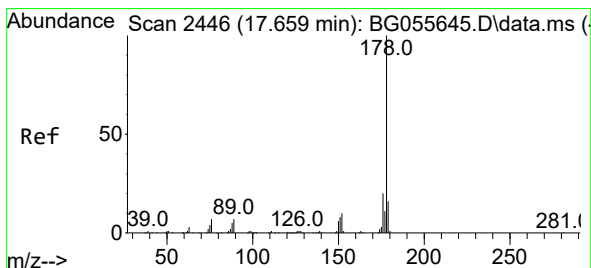
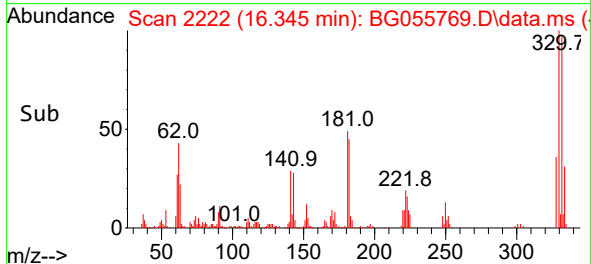
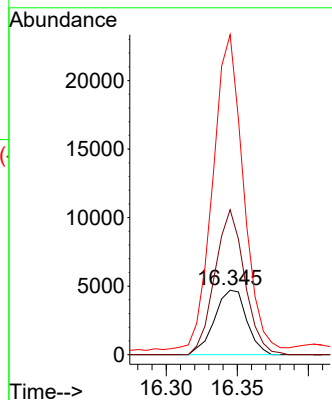
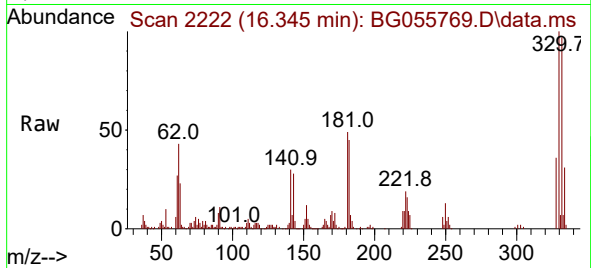




#67
4-Bromophenyl-phenylether
Concen: 2.745 ng
RT: 16.345 min Scan# 211
Delta R.T. -0.439 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

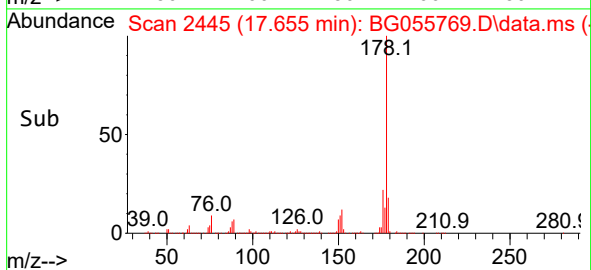
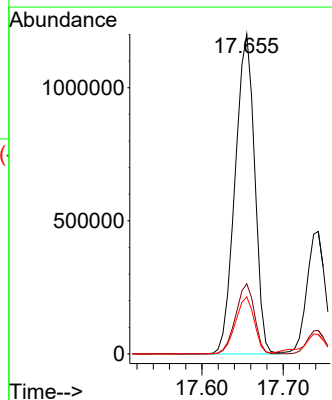
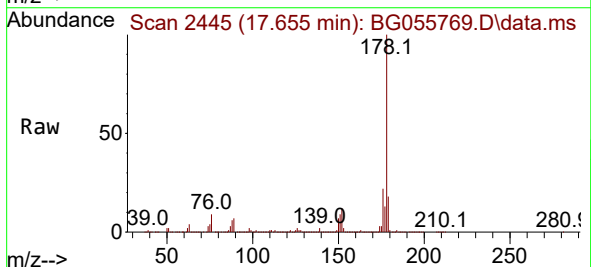
Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

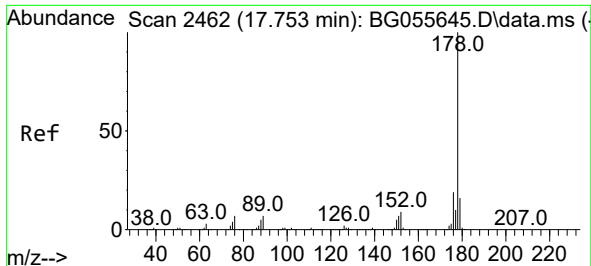
Tgt Ion:248 Resp: 7427
Ion Ratio Lower Upper
248 100
250 225.0 79.0 118.4#
141 496.4 52.9 79.3#



#71
Phenanthrene
Concen: 156.289 ng
RT: 17.655 min Scan# 2445
Delta R.T. 0.007 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

Tgt Ion:178 Resp: 2003091
Ion Ratio Lower Upper
178 100
176 22.0 16.0 24.0
179 17.9 12.7 19.1

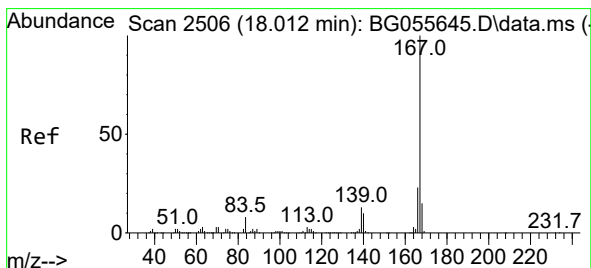
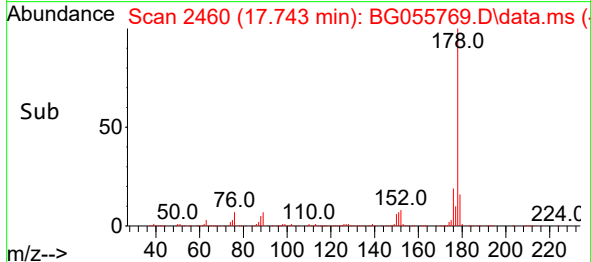
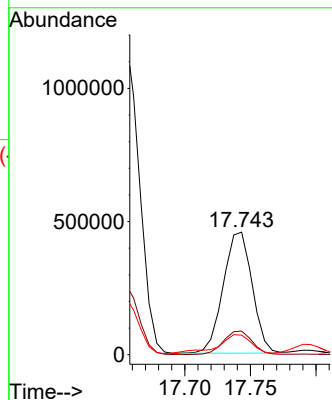
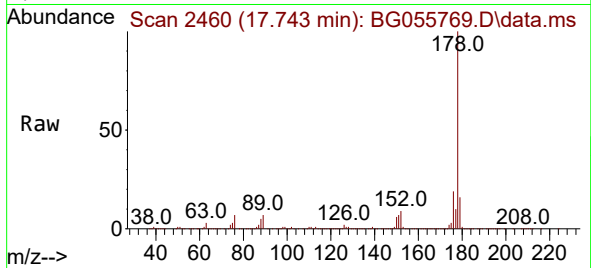




#72
 Anthracene
 Concen: 55.899 ng
 RT: 17.743 min Scan# 2460
 Delta R.T. 0.001 min
 Lab File: BG055769.D
 Acq: 24 Nov 2022 00:25

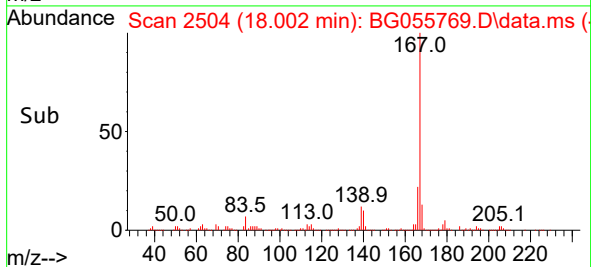
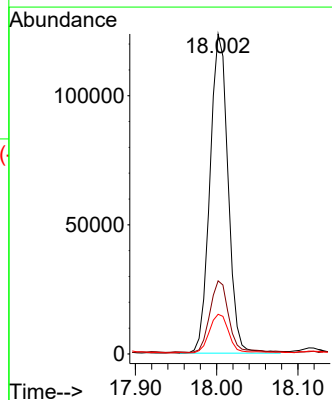
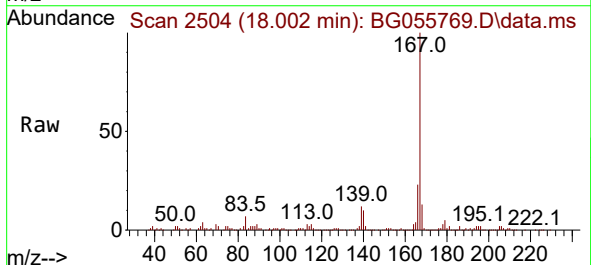
Instrument :
 BNA_G
 ClientSampleId :
 PAT-01-112122

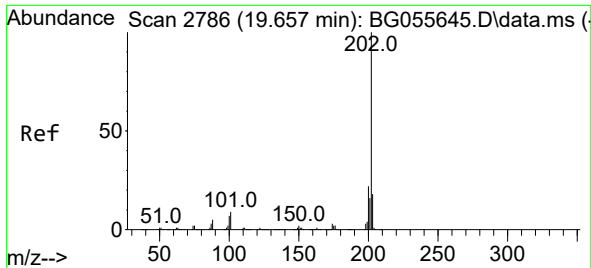
Tgt Ion:178 Resp: 696100
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.5 23.3
 179 15.9 12.5 18.7



#73
 Carbazole
 Concen: 17.088 ng
 RT: 18.002 min Scan# 2504
 Delta R.T. -0.005 min
 Lab File: BG055769.D
 Acq: 24 Nov 2022 00:25

Tgt Ion:167 Resp: 191295
 Ion Ratio Lower Upper
 167 100
 166 22.9 18.2 27.2
 139 12.4 10.2 15.4

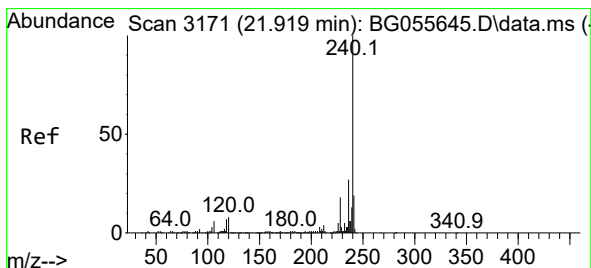
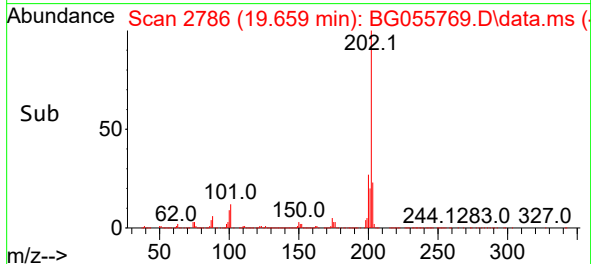
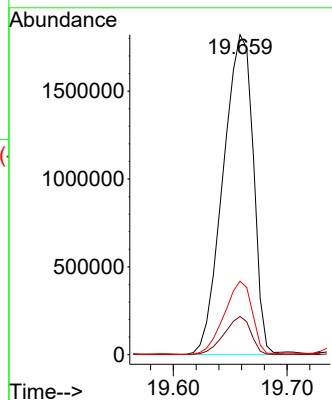
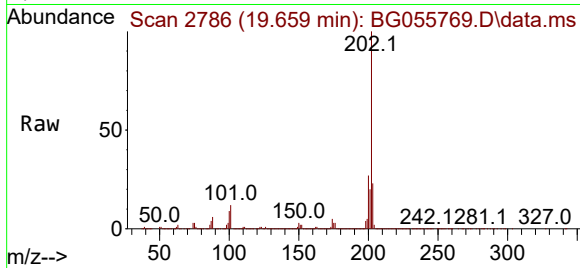




#75
Fluoranthene
Concen: 214.843 ng
RT: 19.659 min Scan# 21
Delta R.T. 0.013 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

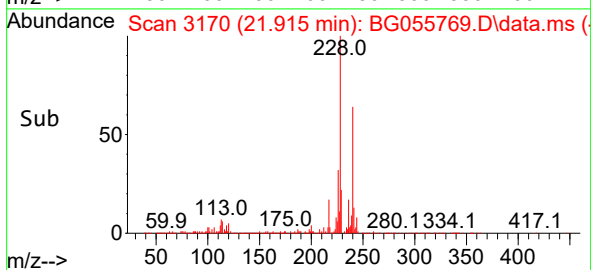
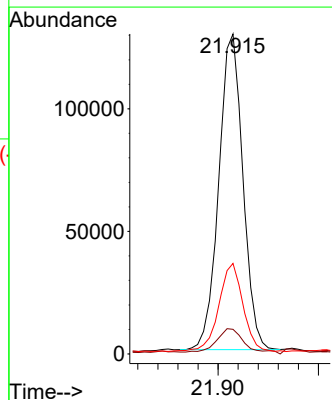
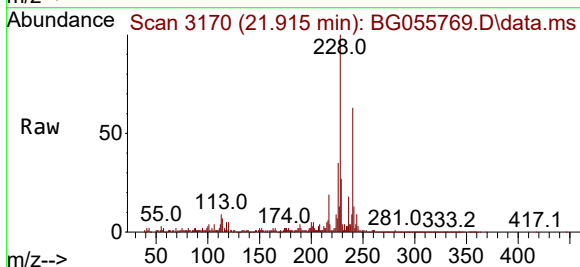
Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

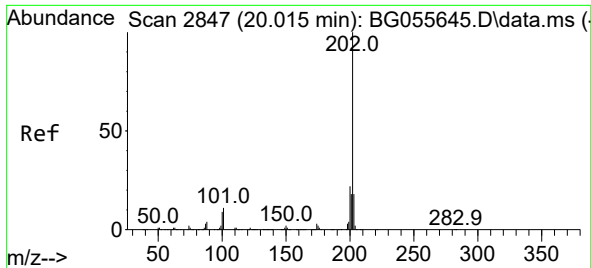
Tgt Ion:202 Resp: 3349891
Ion Ratio Lower Upper
202 100
101 11.9 0.0 28.8
203 22.9 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.915 min Scan# 3170
Delta R.T. 0.013 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

Tgt Ion:240 Resp: 214359
Ion Ratio Lower Upper
240 100
120 7.7 6.3 9.5
236 28.3 21.9 32.9

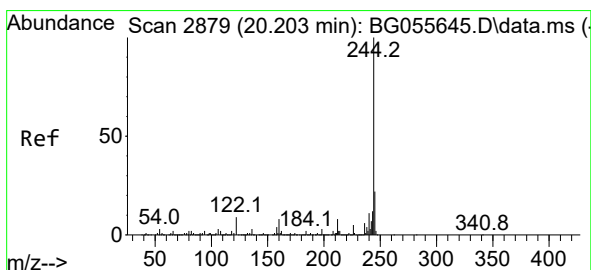
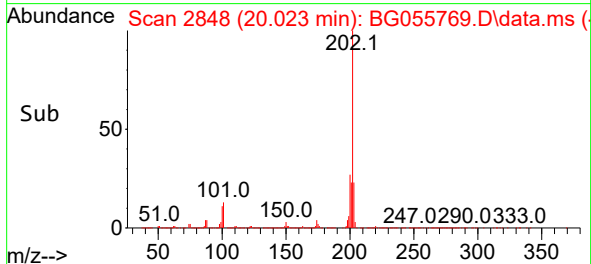
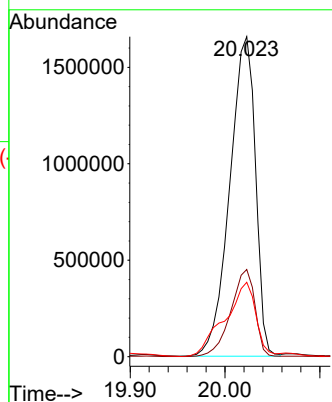
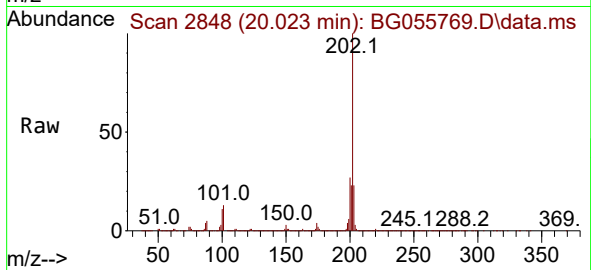




#78
Pyrene
Concen: 214.693 ng
RT: 20.023 min Scan# 21
Delta R.T. 0.013 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

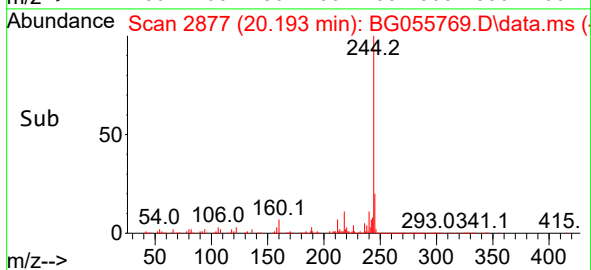
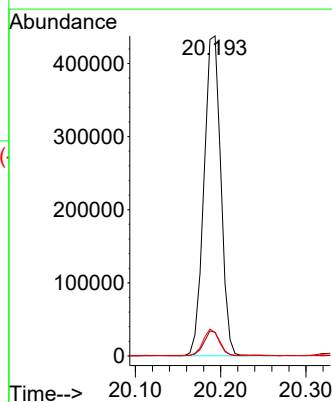
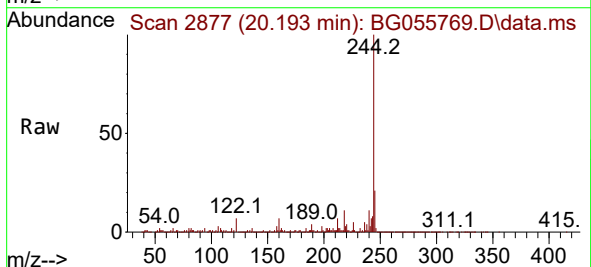
Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

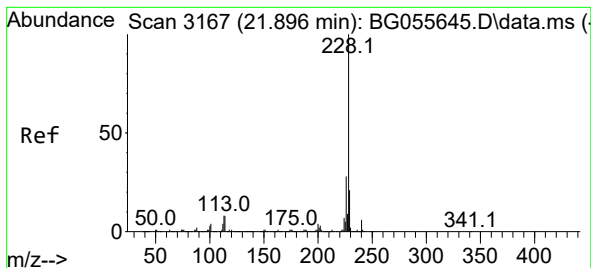
Tgt Ion:202 Resp: 3115099
Ion Ratio Lower Upper
202 100
200 27.2 17.8 26.6#
203 23.3 14.4 21.6#



#79
Terphenyl-d14
Concen: 55.852 ng
RT: 20.193 min Scan# 2877
Delta R.T. 0.001 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

Tgt Ion:244 Resp: 598581
Ion Ratio Lower Upper
244 100
212 7.4 6.3 9.5
122 7.3 6.9 10.3





#81

Benzo(a)anthracene

Concen: 138.824 ng

RT: 21.891 min Scan# 3166

Delta R.T. 0.007 min

Lab File: BG055769.D

Acq: 24 Nov 2022 00:25

Instrument :

BNA_G

ClientSampleId :

PAT-01-112122

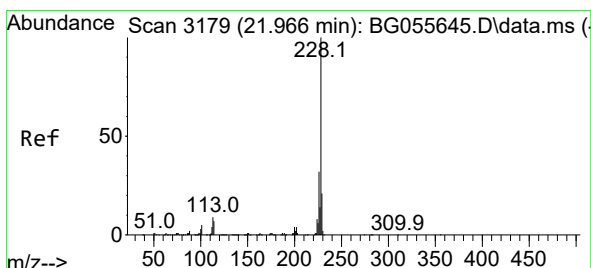
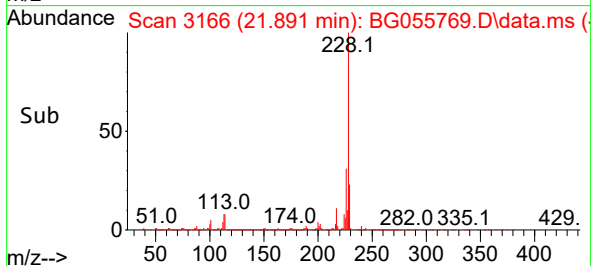
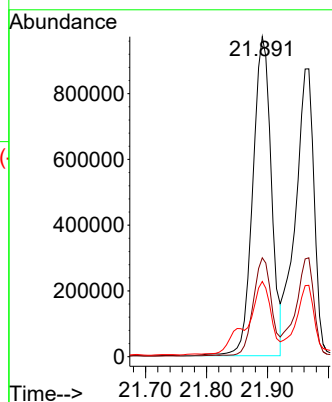
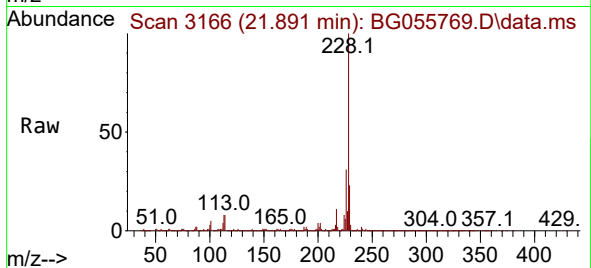
Tgt Ion:228 Resp: 2049624

Ion Ratio Lower Upper

228 100

226 30.9 22.7 34.1

229 23.5 16.5 24.7



#83

Chrysene

Concen: 132.131 ng

RT: 21.968 min Scan# 3179

Delta R.T. 0.013 min

Lab File: BG055769.D

Acq: 24 Nov 2022 00:25

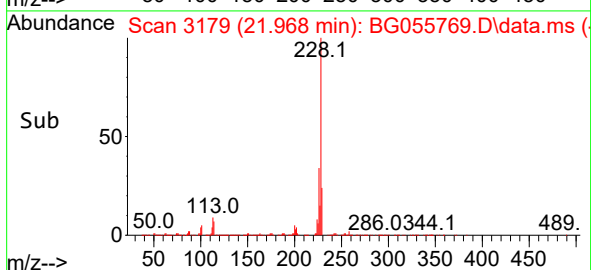
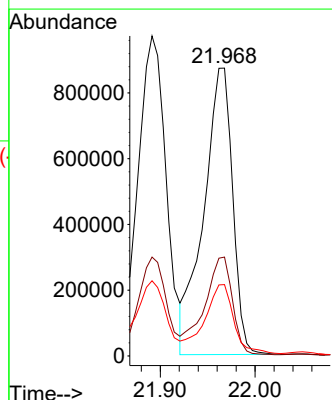
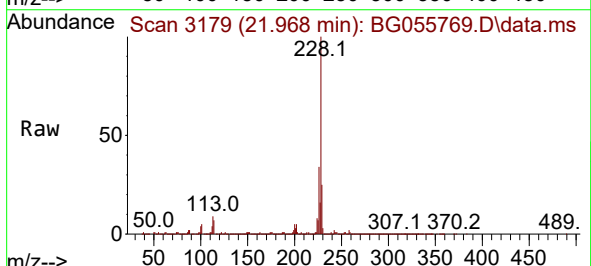
Tgt Ion:228 Resp: 1857153

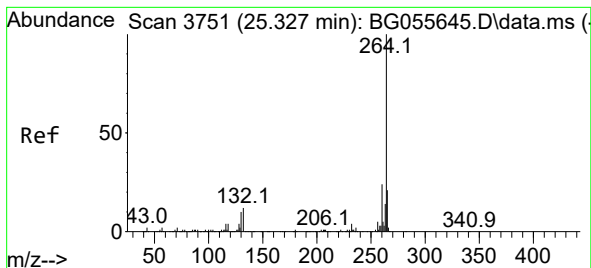
Ion Ratio Lower Upper

228 100

226 34.3 25.4 38.2

229 24.8 17.1 25.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.328 min Scan# 31

Delta R.T. 0.025 min

Lab File: BG055769.D

Acq: 24 Nov 2022 00:25

Instrument :

BNA_G

ClientSampleId :

PAT-01-112122

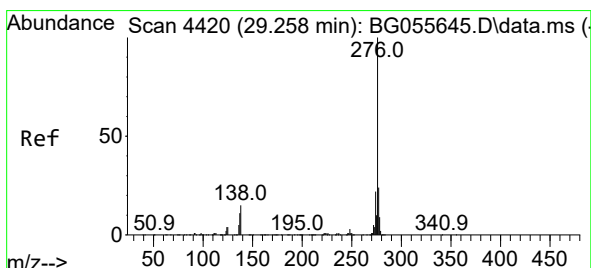
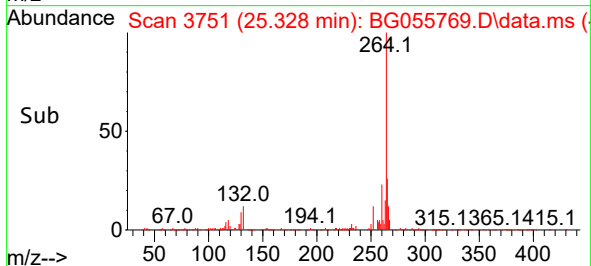
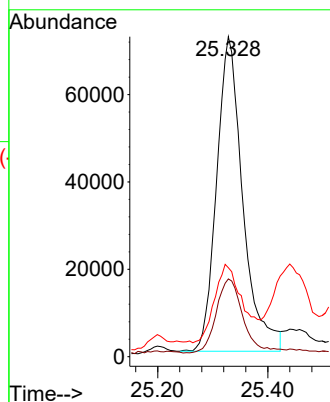
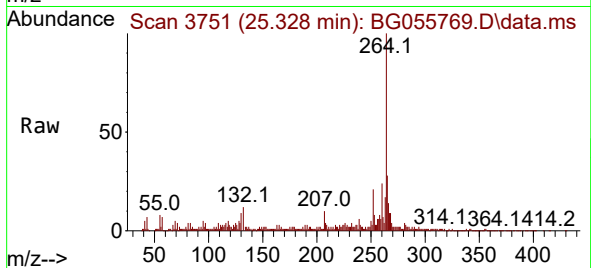
Tgt Ion:264 Resp: 237962

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

265 27.8 17.1 25.7#



#87

Indeno(1,2,3-cd)pyrene

Concen: 50.513 ng

RT: 29.271 min Scan# 4422

Delta R.T. 0.036 min

Lab File: BG055769.D

Acq: 24 Nov 2022 00:25

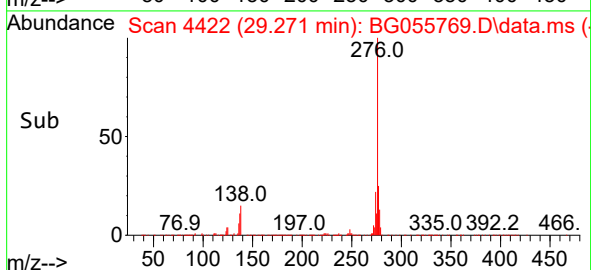
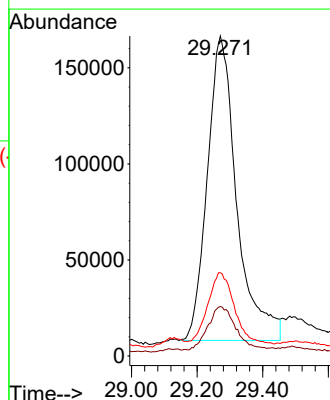
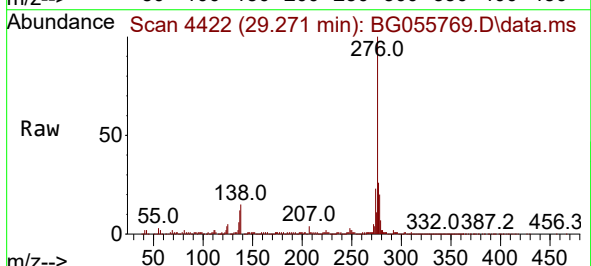
Tgt Ion:276 Resp: 984721

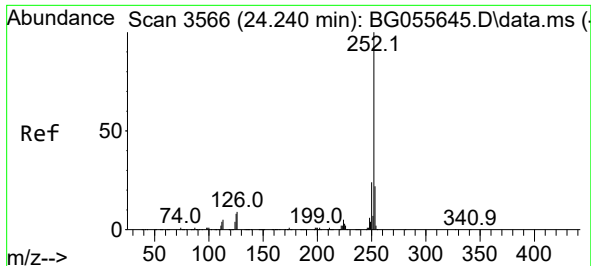
Ion Ratio Lower Upper

276 100

138 13.4 10.4 15.6

277 21.1 20.2 30.4

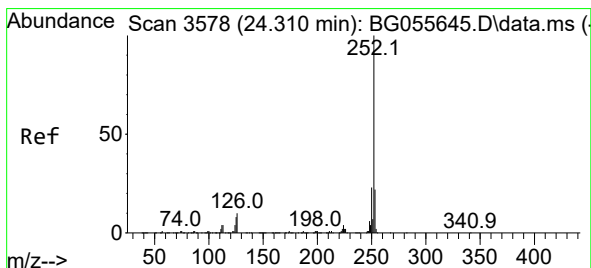
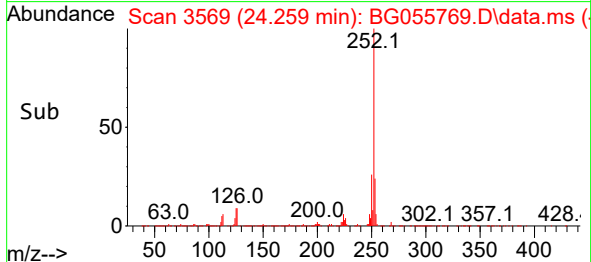
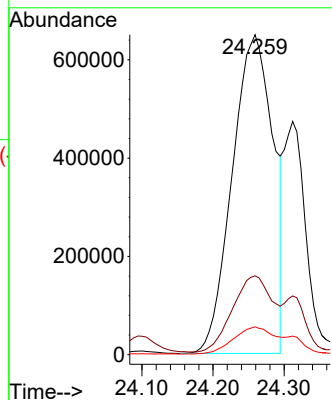
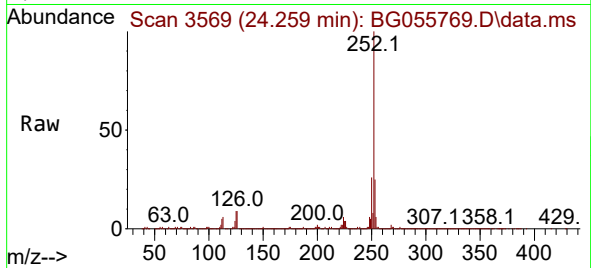




#88
Benzo(b)fluoranthene
Concen: 166.754 ng
RT: 24.259 min Scan# 3569
Delta R.T. 0.042 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

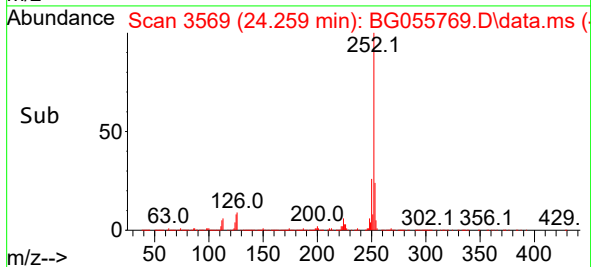
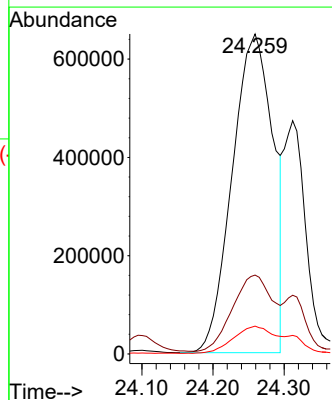
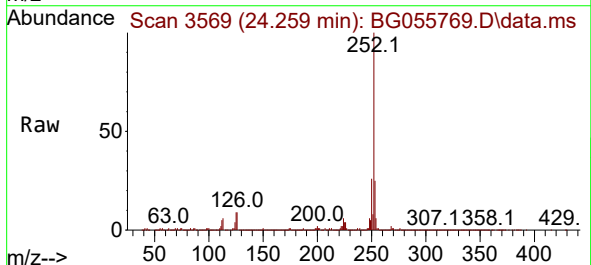
Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

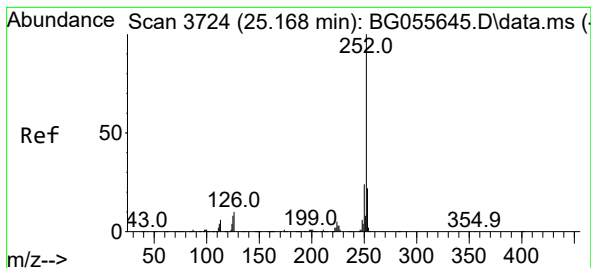
Tgt Ion:252 Resp: 2584246
Ion Ratio Lower Upper
252 100
253 24.7 18.0 27.0
125 8.7 6.2 9.2



#89
Benzo(k)fluoranthene
Concen: 167.288 ng
RT: 24.259 min Scan# 3569
Delta R.T. -0.034 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

Tgt Ion:252 Resp: 2584246
Ion Ratio Lower Upper
252 100
253 24.7 17.8 26.6
125 8.7 6.1 9.1





#90

Benzo(a)pyrene

Concen: 153.994 ng

RT: 25.187 min Scan# 31

Delta R.T. 0.042 min

Lab File: BG055769.D

Acq: 24 Nov 2022 00:25

Instrument :

BNA_G

ClientSampleId :

PAT-01-112122

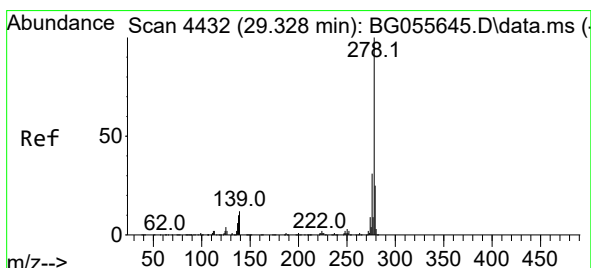
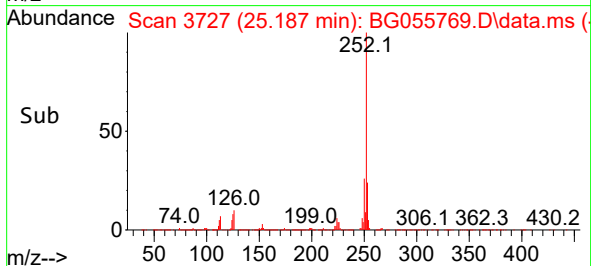
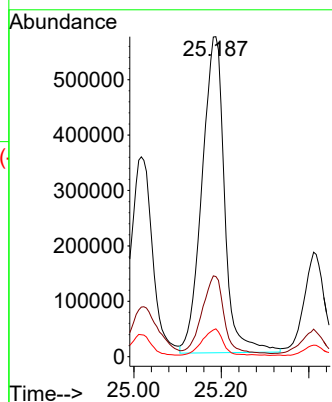
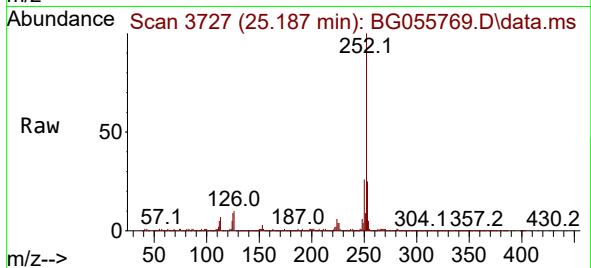
Tgt Ion:252 Resp: 2047921

Ion Ratio Lower Upper

252 100

253 25.0 17.8 26.6

125 8.7 6.4 9.6



#91

Dibenzo(a,h)anthracene

Concen: 11.270 ng

RT: 29.759 min Scan# 4505

Delta R.T. 0.459 min

Lab File: BG055769.D

Acq: 24 Nov 2022 00:25

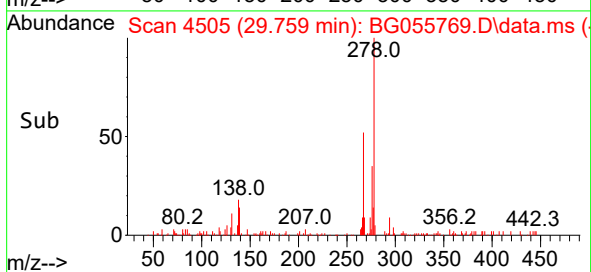
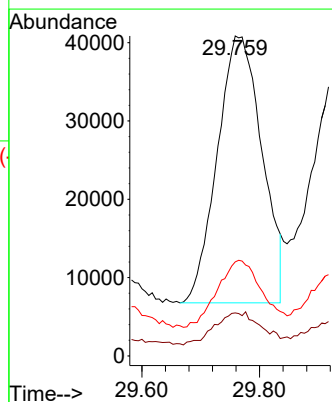
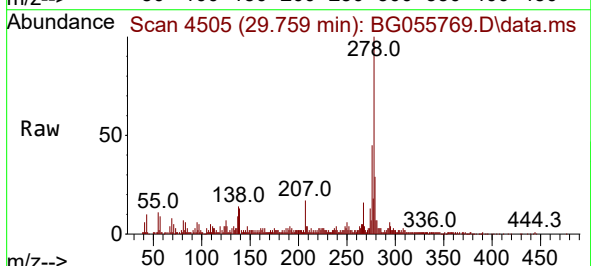
Tgt Ion:278 Resp: 179529

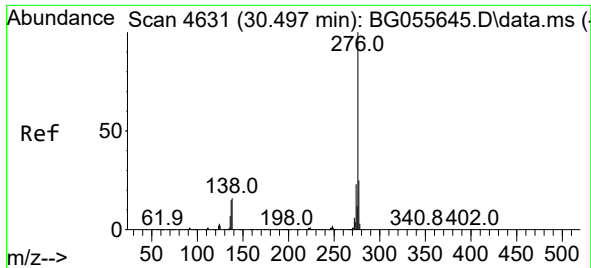
Ion Ratio Lower Upper

278 100

139 13.4 9.8 14.8

279 29.4 19.8 29.6





#92
Benzo(g,h,i)perylene
Concen: 54.531 ng
RT: 30.511 min Scan# 4
Delta R.T. 0.048 min
Lab File: BG055769.D
Acq: 24 Nov 2022 00:25

Instrument :
BNA_G
ClientSampleId :
PAT-01-112122

Tgt Ion:276 Resp: 875552
Ion Ratio Lower Upper
276 100
277 24.3 19.8 29.6
138 16.1 13.1 19.7

