

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
 Data File : BG057775.D
 Acq On : 20 Jun 2023 14:08
 Operator : CG/JU
 Sample : 03288-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PAT-2-061523

Quant Time: Jun 20 15:03:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 03:40:38 2023
 Response via : Initial Calibration

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

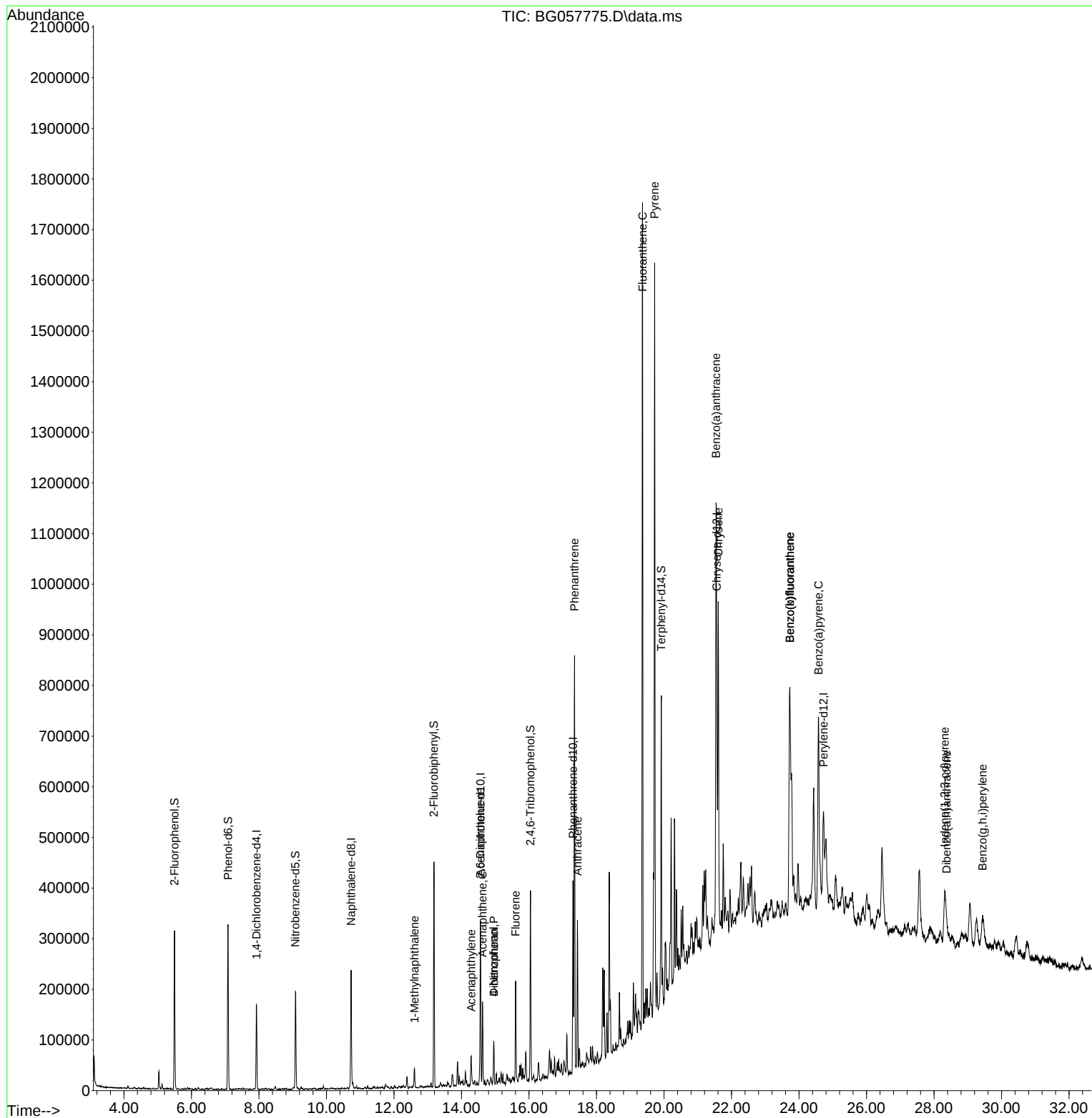
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.923	152	45749	20.000	ng	0.00
21) Naphthalene-d8	10.731	136	191527	20.000	ng	0.00
39) Acenaphthene-d10	14.562	164	114879	20.000	ng	0.00
64) Phenanthrene-d10	17.306	188	241656	20.000	ng	0.00
76) Chrysene-d12	21.560	240	194295	20.000	ng	0.00
86) Perylene-d12	24.727	264	221458	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	132590	44.688	ng	0.00
7) Phenol-d6	7.083	99	186918	41.287	ng	0.00
23) Nitrobenzene-d5	9.080	82	113983	30.544	ng	-0.01
42) 2,4,6-Tribromophenol	16.043	330	64792	40.489	ng	0.00
45) 2-Fluorobiphenyl	13.182	172	236405	31.212	ng	0.00
79) Terphenyl-d14	19.921	244	306150	29.382	ng	0.00
Target Compounds						Qvalue
38) 1-Methylnaphthalene	12.606	142	16887	2.408	ng	93
49) Acenaphthylene	14.286	152	48839	4.695	ng	# 96
51) 2,6-Dinitrotoluene	14.556	165	16627	10.233	ng	# 21
52) Acenaphthene	14.621	154	58048	9.015	ng	96
55) Dibenzofuran	14.956	168	42039	4.060	ng	96
56) 4-Nitrophenol	14.956	139	15740	10.817	ng	# 2
58) Fluorene	15.602	166	86233	10.522	ng	99
71) Phenanthrene	17.347	178	505833	43.231	ng	99
72) Anthracene	17.435	178	186858	15.640	ng	99
75) Fluoranthene	19.363	202	1018468	73.067	ng	99
78) Pyrene	19.721	202	954965	68.901	ng	99
81) Benzo(a)anthracene	21.542	228	523008	39.234	ng	99
83) Chrysene	21.607	228	457696	35.777	ng	98
87) Indeno(1,2,3-cd)pyrene	28.317	276	207593	14.337	ng	93
88) Benzo(b)fluoranthene	23.728	252	601267	49.546	ng	96
89) Benzo(k)fluoranthene	23.728	252	601267	48.647	ng	98
90) Benzo(a)pyrene	24.580	252	489855	41.101	ng	96
91) Dibenzo(a,h)anthracene	28.370	278	48160	4.009	ng	# 80
92) Benzo(g,h,i)perylene	29.439	276	185781	15.444	ng	95

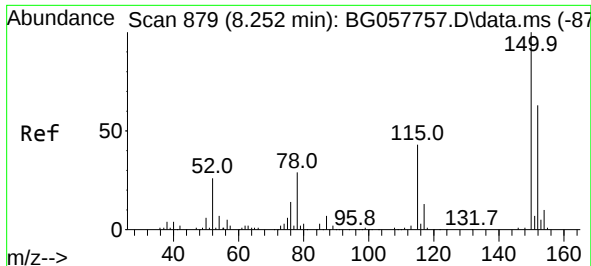
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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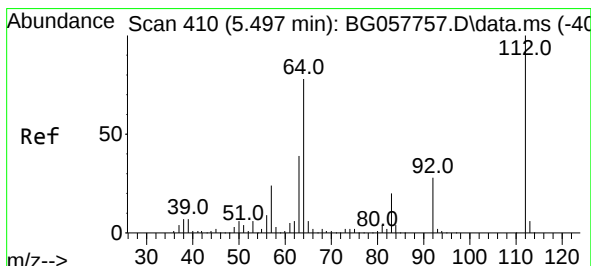
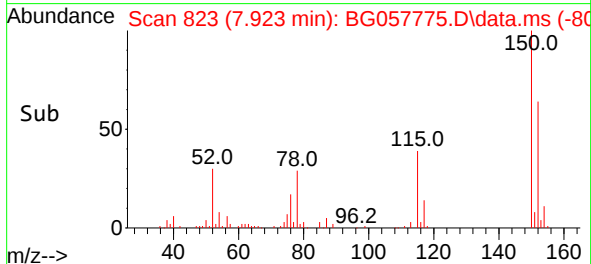
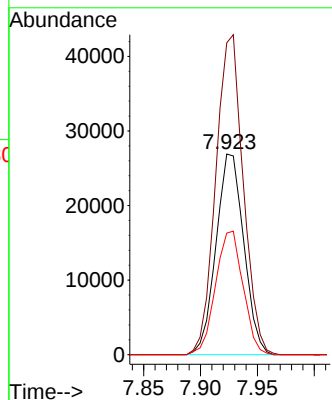
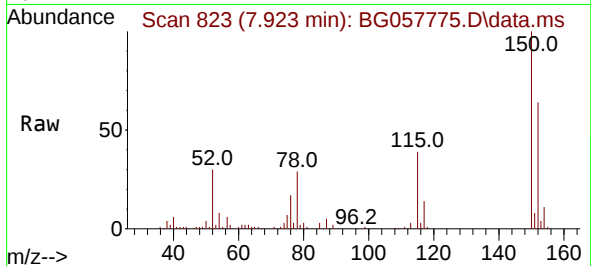




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.923 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG057775.D
Acq: 20 Jun 2023 14:08

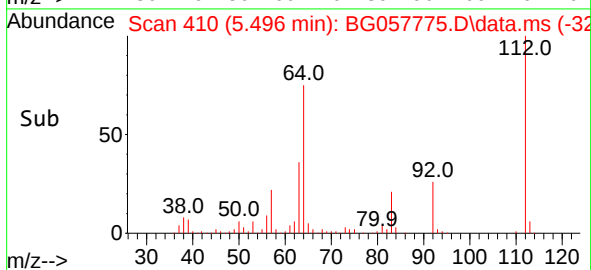
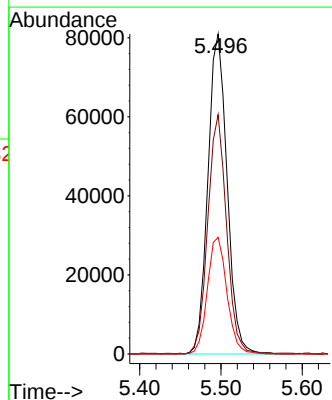
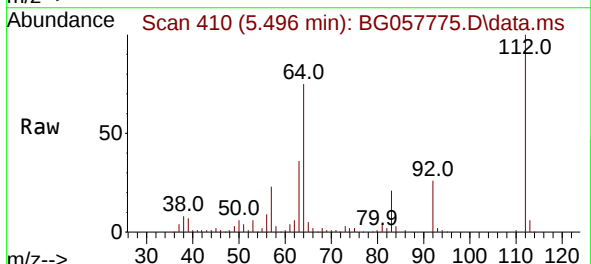
Instrument :
BNA_G
ClientSampleId :
PAT-2-061523

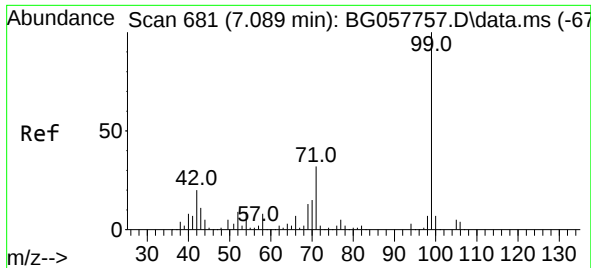
Tgt Ion:152 Resp: 45749
Ion Ratio Lower Upper
152 100
150 155.4 126.6 189.8
115 60.6 48.9 73.3



#5
2-Fluorophenol
Concen: 44.688 ng
RT: 5.496 min Scan# 410
Delta R.T. -0.001 min
Lab File: BG057775.D
Acq: 20 Jun 2023 14:08

Tgt Ion:112 Resp: 132590
Ion Ratio Lower Upper
112 100
64 74.8 62.1 93.1
63 36.4 31.5 47.3

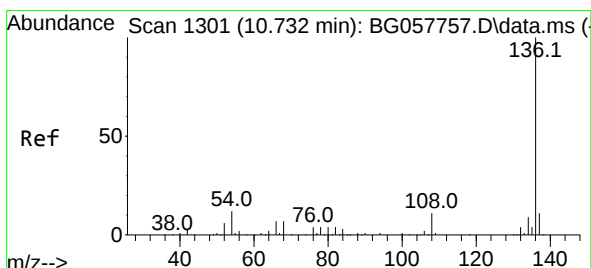
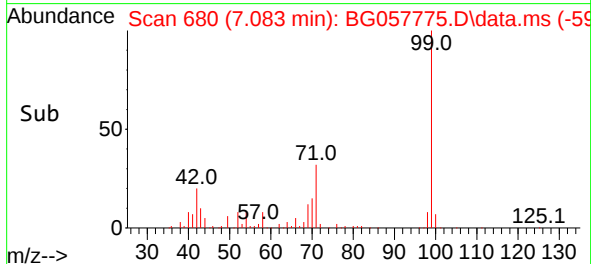
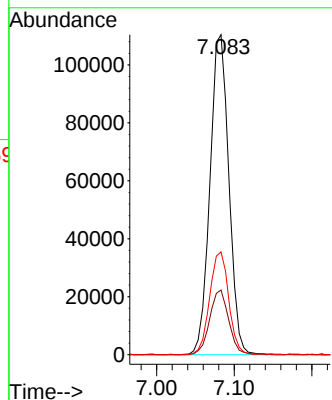
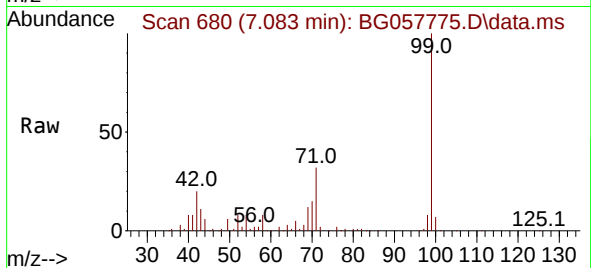




#7
Phenol-d6
Concen: 41.287 ng
RT: 7.083 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG057775.D
Acq: 20 Jun 2023 14:08

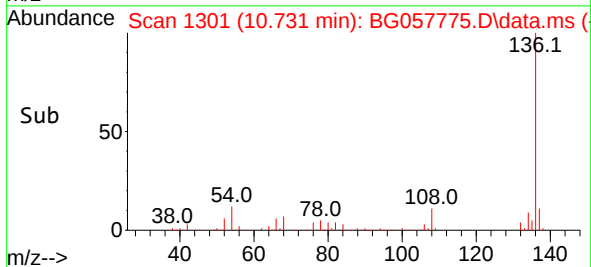
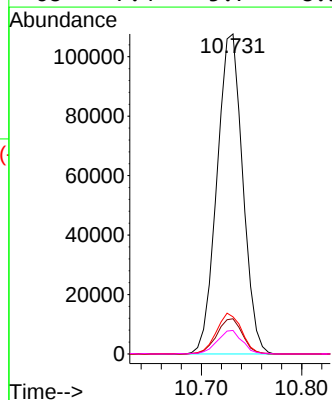
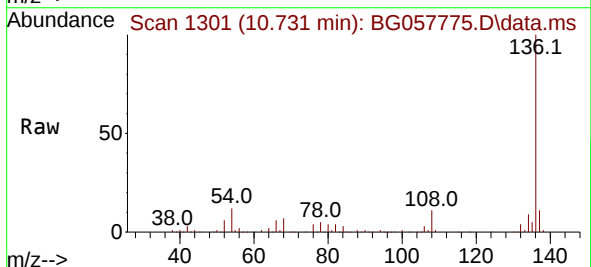
Instrument :
BNA_G
ClientSampleId :
PAT-2-061523

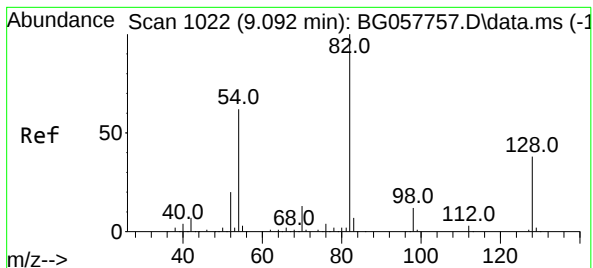
Tgt Ion: 99 Resp: 186918
Ion Ratio Lower Upper
99 100
42 20.2 16.4 24.6
71 32.1 25.8 38.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.731 min Scan# 1301
Delta R.T. -0.000 min
Lab File: BG057775.D
Acq: 20 Jun 2023 14:08

Tgt Ion: 136 Resp: 191527
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 11.6 9.5 14.3
68 7.4 5.7 8.5





#23

Nitrobenzene-d5

Concen: 30.544 ng

RT: 9.080 min Scan# 1020

Delta R.T. -0.012 min

Lab File: BG057775.D

Acq: 20 Jun 2023 14:08

Instrument :

BNA_G

ClientSampleId :

PAT-2-061523

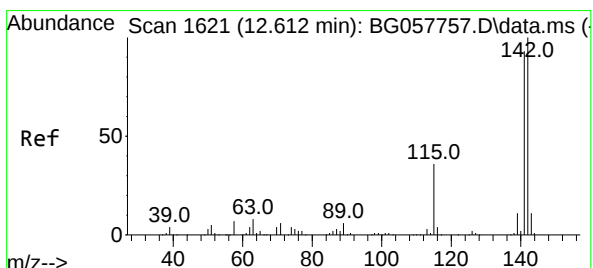
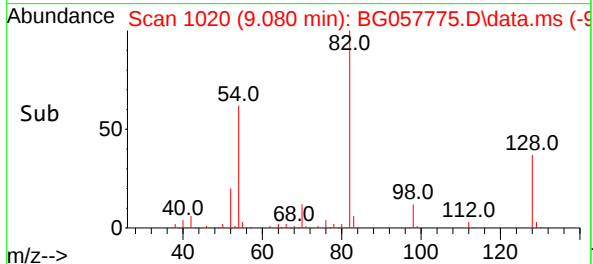
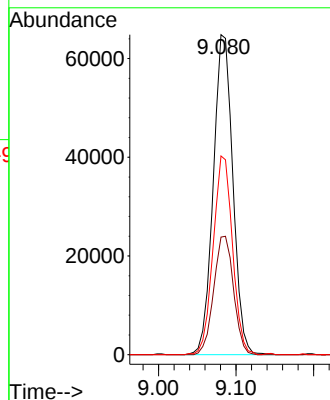
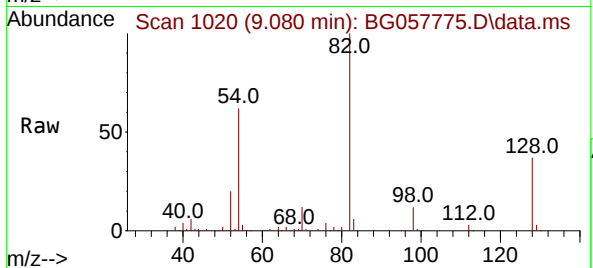
Tgt Ion: 82 Resp: 113983

Ion Ratio Lower Upper

82 100

128 36.8 30.7 46.1

54 62.1 49.6 74.4



#38

1-Methylnaphthalene

Concen: 2.408 ng

RT: 12.606 min Scan# 1620

Delta R.T. -0.006 min

Lab File: BG057775.D

Acq: 20 Jun 2023 14:08

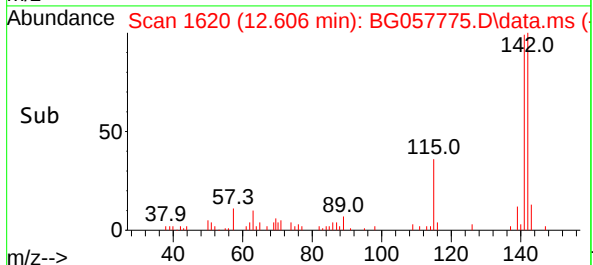
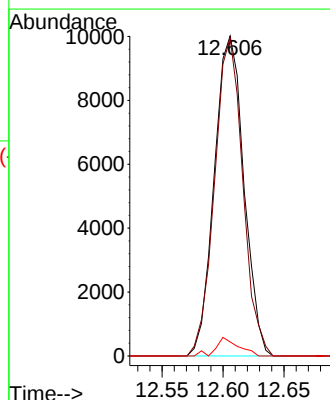
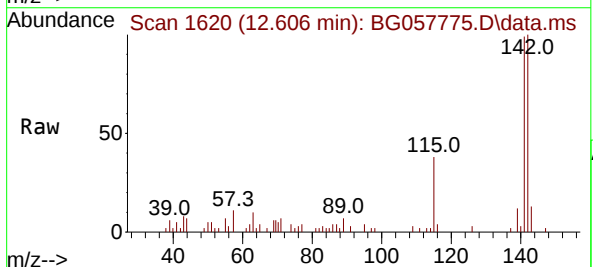
Tgt Ion:142 Resp: 16887

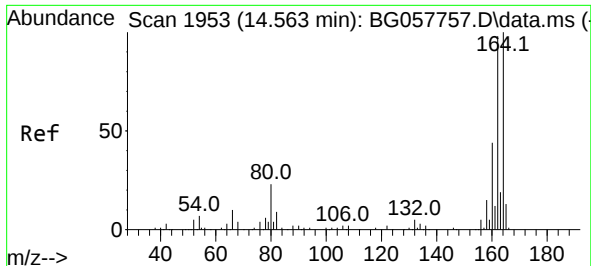
Ion Ratio Lower Upper

142 100

141 99.5 74.2 111.4

116 4.4 3.1 4.7

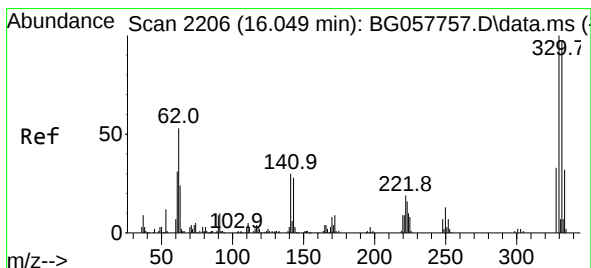
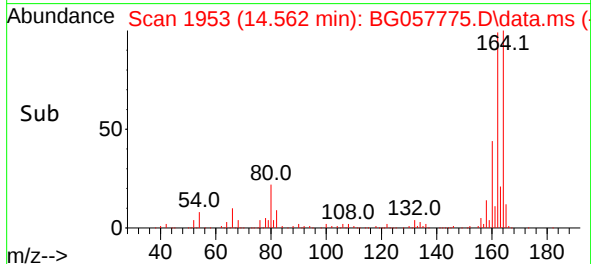
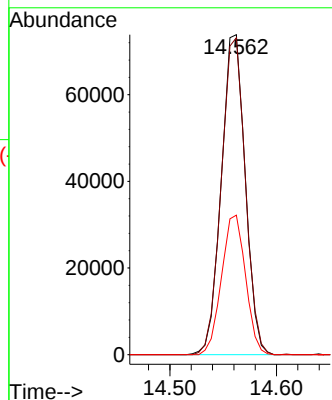
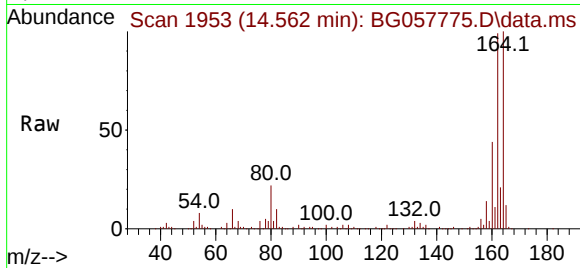




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BG057775.D
Acq: 20 Jun 2023 14:08

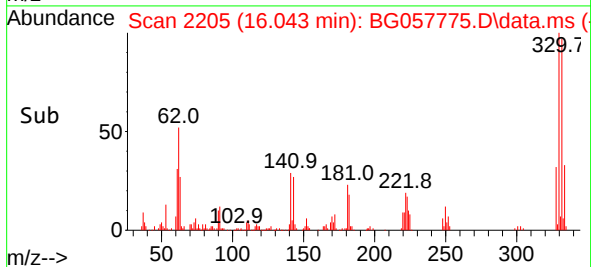
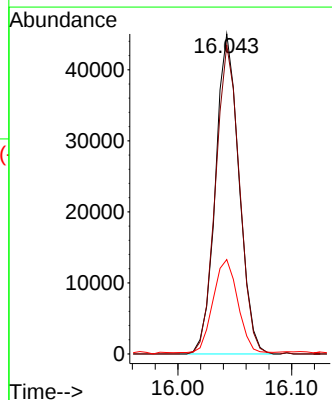
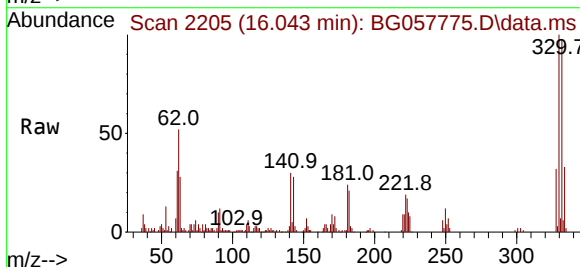
Instrument :
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ClientSampleId :
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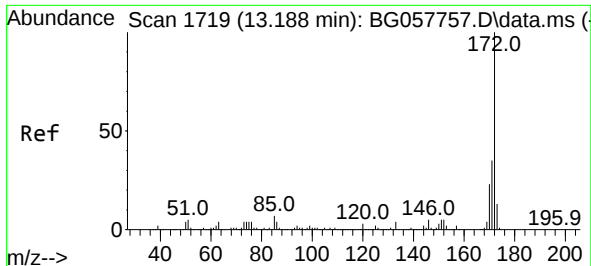
Tgt Ion:164 Resp: 114879
Ion Ratio Lower Upper
164 100
162 99.0 78.3 117.5
160 43.6 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 40.489 ng
RT: 16.043 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BG057775.D
Acq: 20 Jun 2023 14:08

Tgt Ion:330 Resp: 64792
Ion Ratio Lower Upper
330 100
332 97.7 76.6 115.0
141 30.5 24.7 37.1

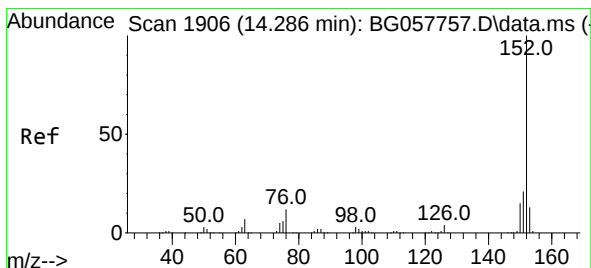
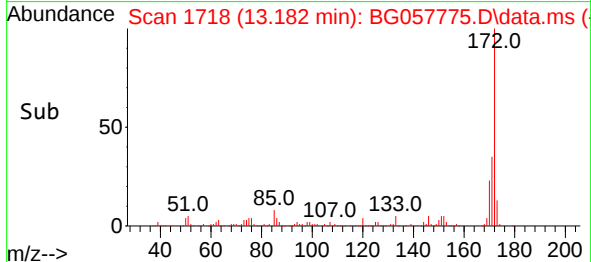
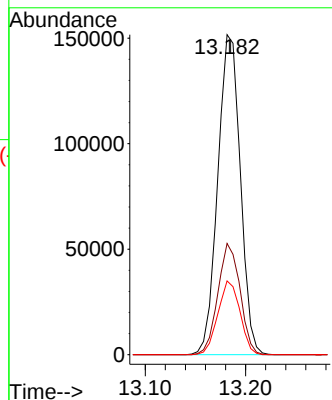
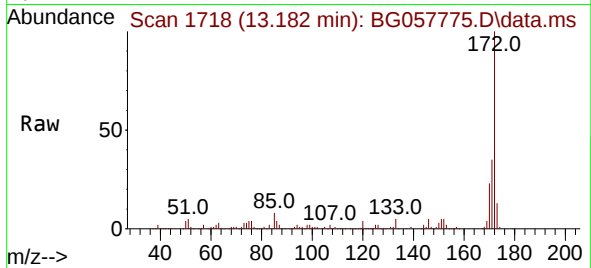




#45
2-Fluorobiphenyl
Concen: 31.212 ng
RT: 13.182 min Scan# 1719
Delta R.T. -0.006 min
Lab File: BG057775.D
Acq: 20 Jun 2023 14:08

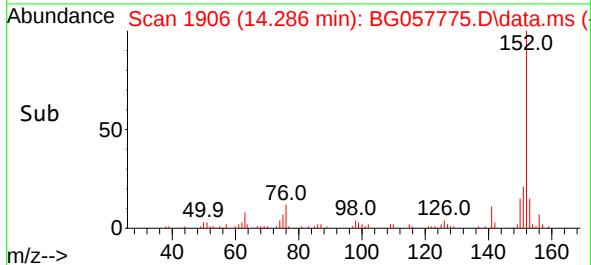
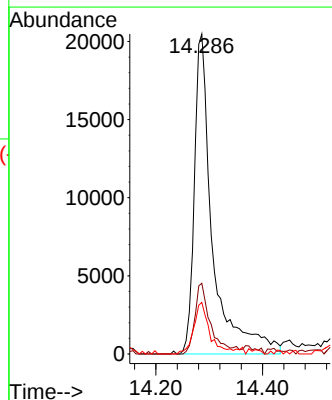
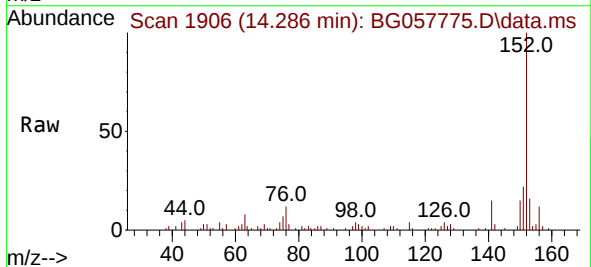
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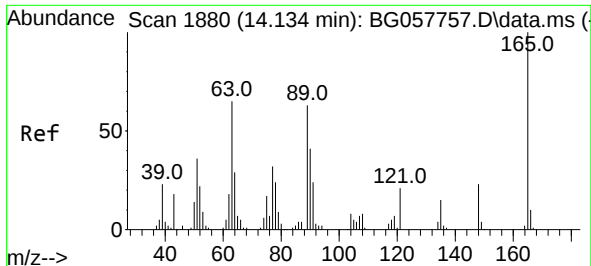
Tgt Ion:172 Resp: 236405
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 23.1 18.6 27.8



#49
Acenaphthylene
Concen: 4.695 ng
RT: 14.286 min Scan# 1906
Delta R.T. -0.000 min
Lab File: BG057775.D
Acq: 20 Jun 2023 14:08

Tgt Ion:152 Resp: 48839
Ion Ratio Lower Upper
152 100
151 22.1 17.0 25.4
153 16.1 10.5 15.7#





#51

2,6-Dinitrotoluene

Concen: 10.233 ng

RT: 14.556 min Scan# 1952

Delta R.T. 0.422 min

Lab File: BG057775.D

Acq: 20 Jun 2023 14:08

Instrument :

BNA_G

ClientSampleId :

PAT-2-061523

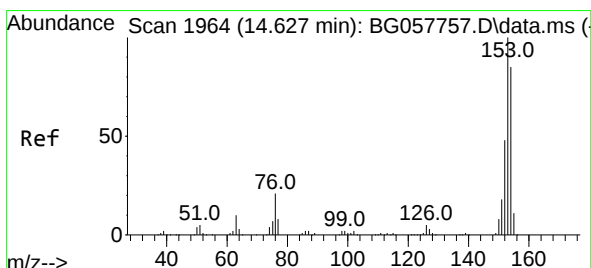
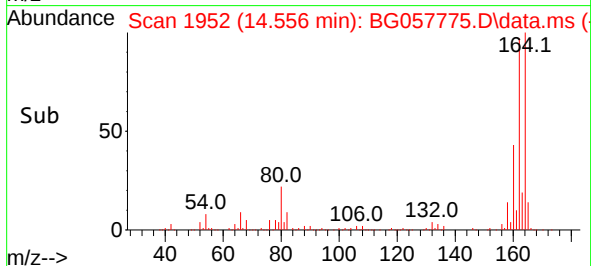
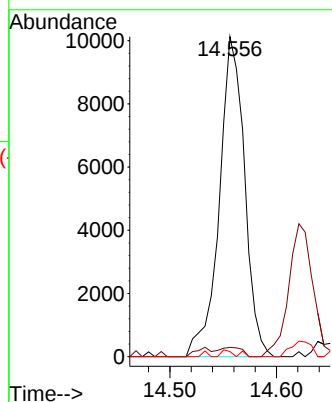
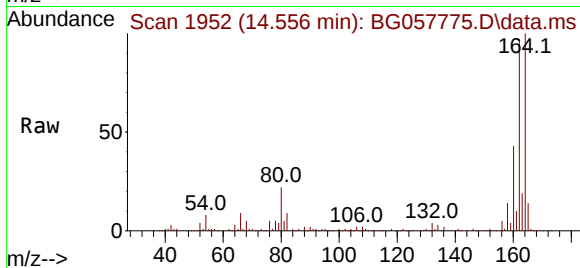
Tgt Ion:165 Resp: 16627

Ion Ratio Lower Upper

165 100

63 2.9 52.8 79.2#

89 1.6 50.7 76.1#



#52

Acenaphthene

Concen: 9.015 ng

RT: 14.621 min Scan# 1963

Delta R.T. -0.006 min

Lab File: BG057775.D

Acq: 20 Jun 2023 14:08

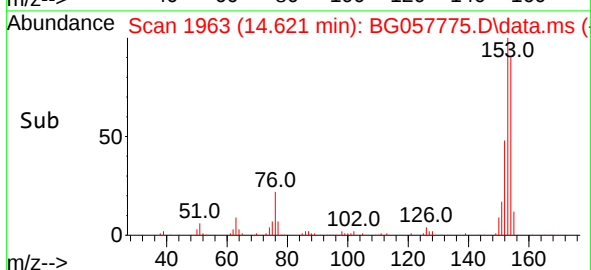
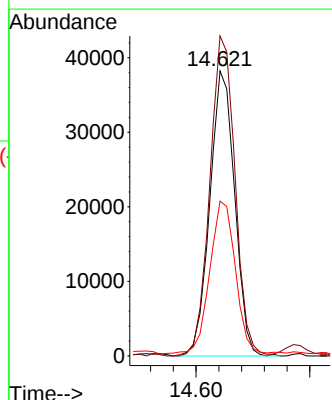
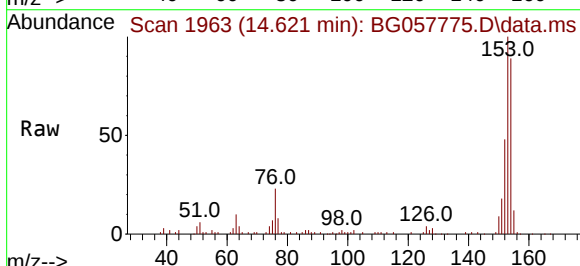
Tgt Ion:154 Resp: 58048

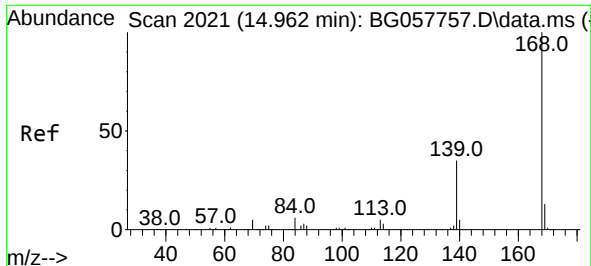
Ion Ratio Lower Upper

154 100

153 112.3 93.6 140.4

152 54.4 44.7 67.1

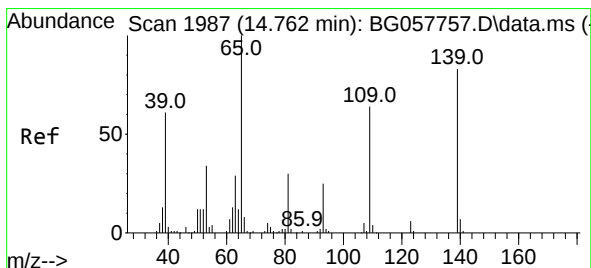
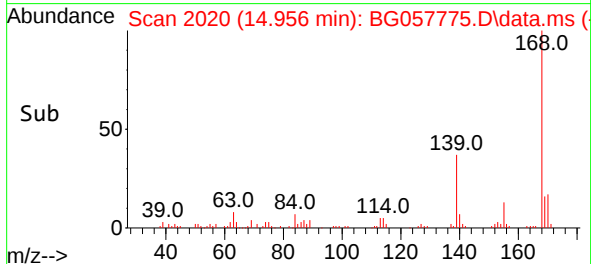
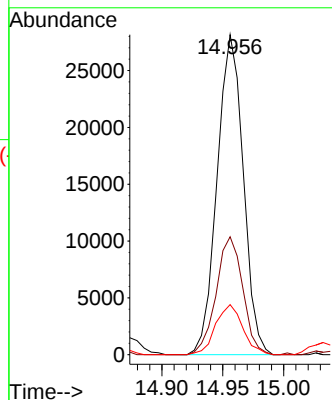
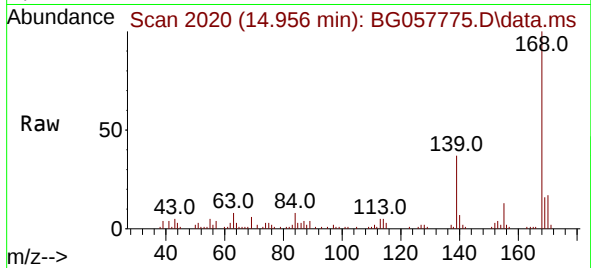




#55
Dibenzofuran
Concen: 4.060 ng
RT: 14.956 min Scan# 20
Delta R.T. -0.006 min
Lab File: BG057775.D
Acq: 20 Jun 2023 14:08

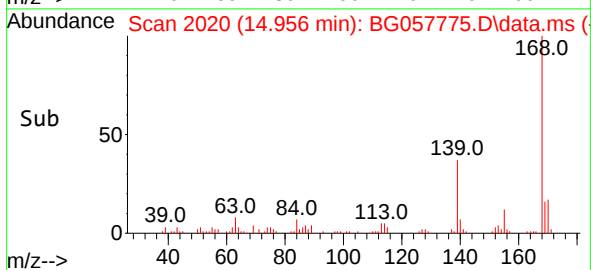
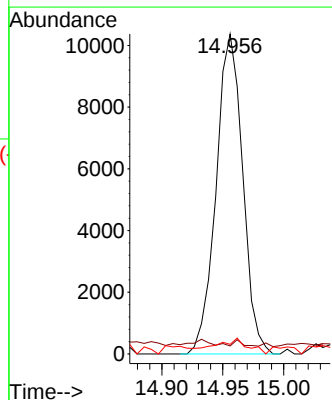
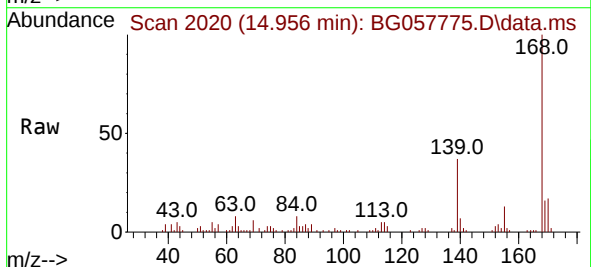
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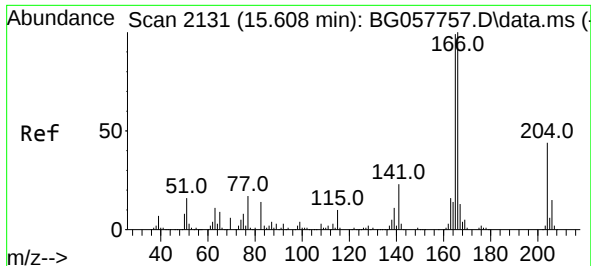
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Ion Ratio Lower Upper
168 100
139 36.8 28.1 42.1
169 15.7 10.7 16.1



#56
4-Nitrophenol
Concen: 10.817 ng
RT: 14.956 min Scan# 2020
Delta R.T. 0.194 min
Lab File: BG057775.D
Acq: 20 Jun 2023 14:08

Tgt Ion:139 Resp: 15740
Ion Ratio Lower Upper
139 100
109 2.5 57.3 97.3#
65 3.0 100.0 140.0#

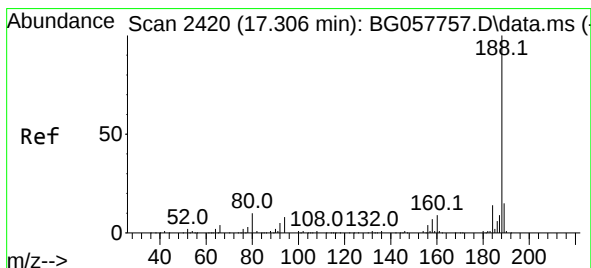
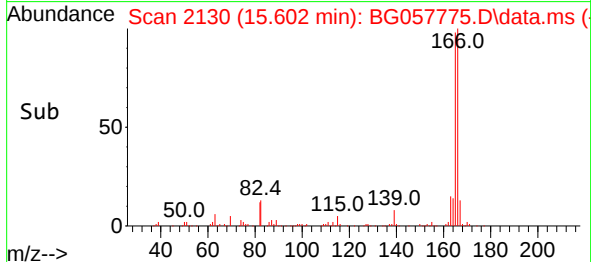
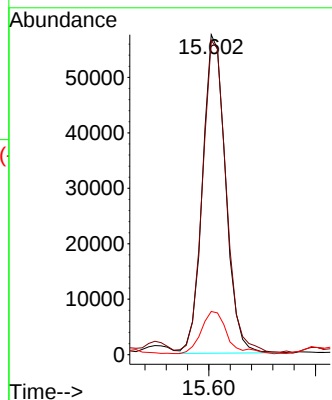
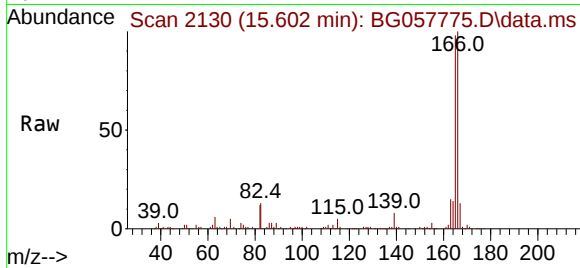




#58
 Fluorene
 Concen: 10.522 ng
 RT: 15.602 min Scan# 2131
 Delta R.T. -0.006 min
 Lab File: BG057775.D
 Acq: 20 Jun 2023 14:08

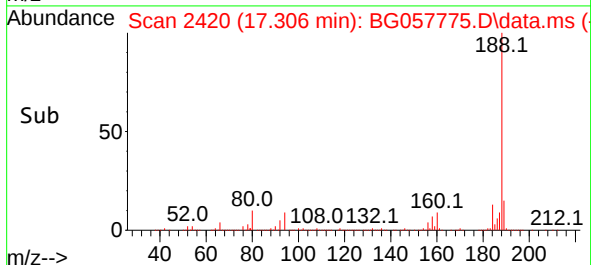
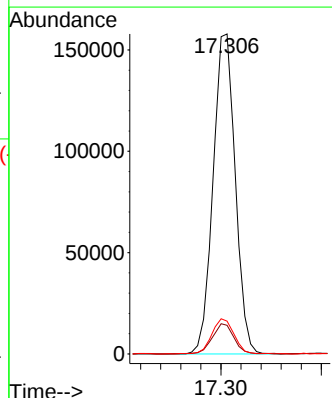
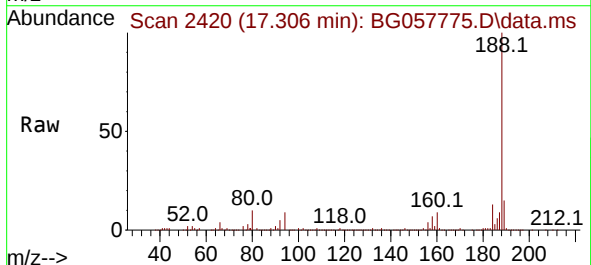
Instrument :
 BNA_G
 ClientSampleId :
 PAT-2-061523

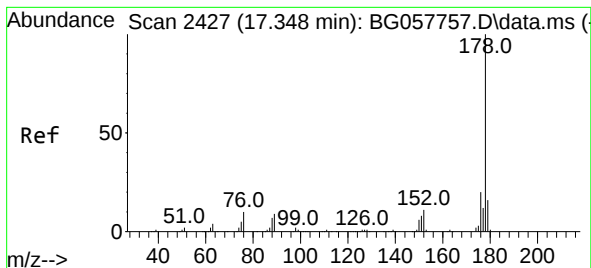
Tgt Ion:166 Resp: 86233
 Ion Ratio Lower Upper
 166 100
 165 98.2 79.5 119.3
 167 13.5 10.6 16.0



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.306 min Scan# 2420
 Delta R.T. -0.000 min
 Lab File: BG057775.D
 Acq: 20 Jun 2023 14:08

Tgt Ion:188 Resp: 241656
 Ion Ratio Lower Upper
 188 100
 94 9.0 6.6 9.8
 80 10.2 7.6 11.4





#71

Phenanthrene

Concen: 43.231 ng

RT: 17.347 min Scan# 2427

Delta R.T. -0.000 min

Lab File: BG057775.D

Acq: 20 Jun 2023 14:08

Instrument :

BNA_G

ClientSampleId :

PAT-2-061523

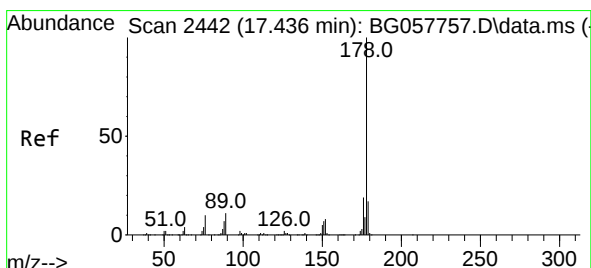
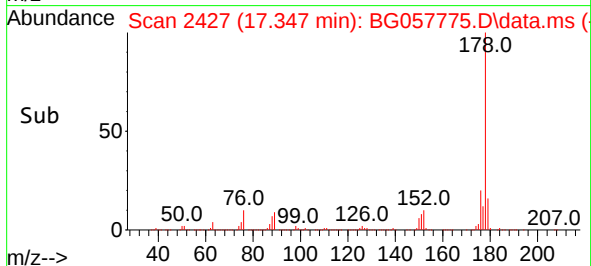
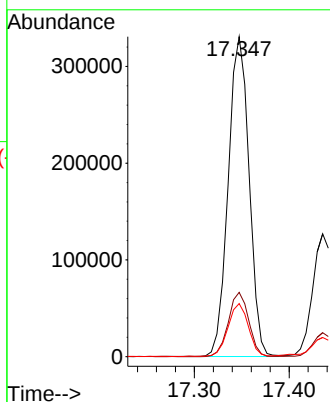
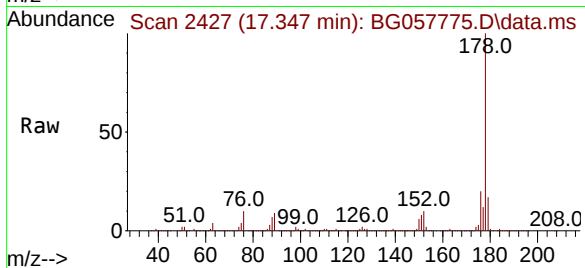
Tgt Ion:178 Resp: 505833

Ion Ratio Lower Upper

178 100

176 20.1 16.3 24.5

179 16.6 13.0 19.6



#72

Anthracene

Concen: 15.640 ng

RT: 17.435 min Scan# 2442

Delta R.T. -0.000 min

Lab File: BG057775.D

Acq: 20 Jun 2023 14:08

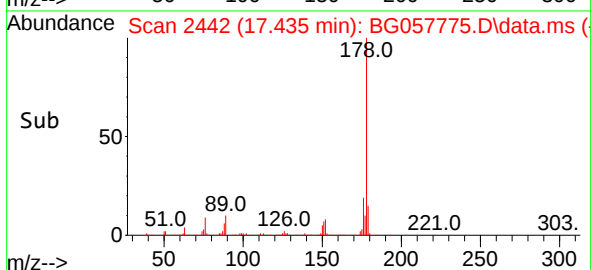
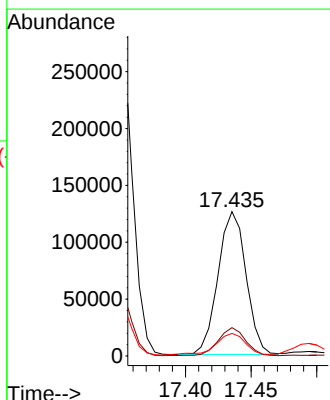
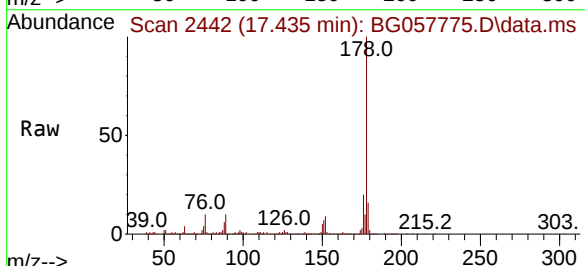
Tgt Ion:178 Resp: 186858

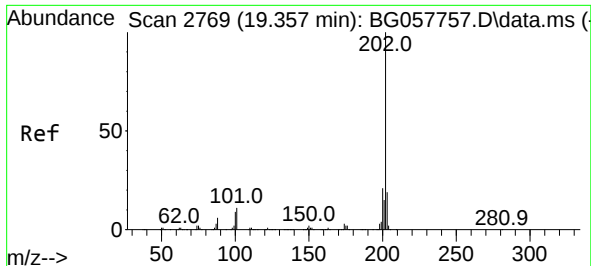
Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

179 15.7 13.3 19.9

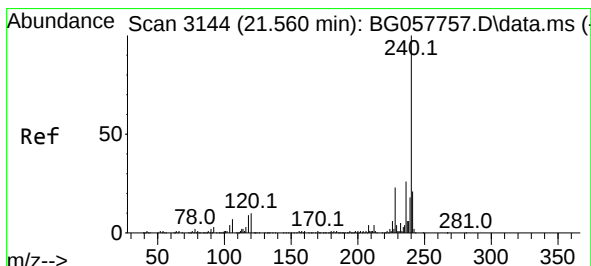
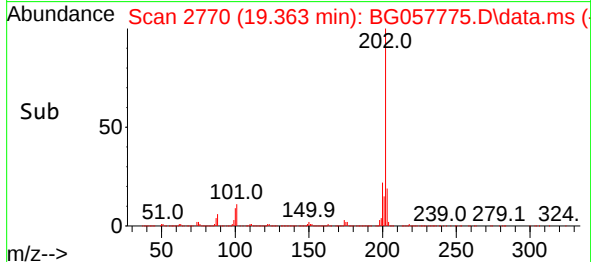
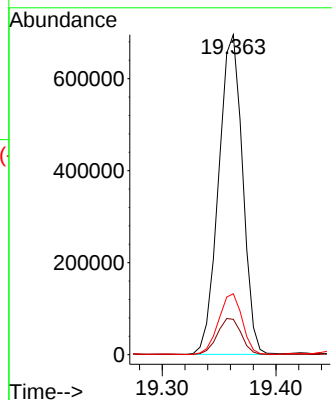
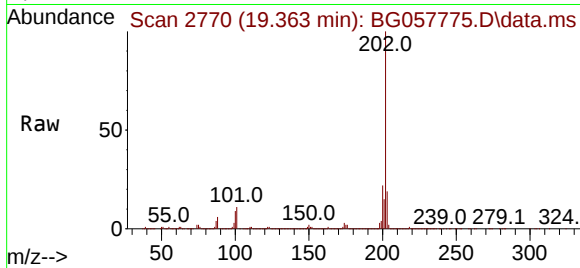




#75
Fluoranthene
Concen: 73.067 ng
RT: 19.363 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG057775.D
Acq: 20 Jun 2023 14:08

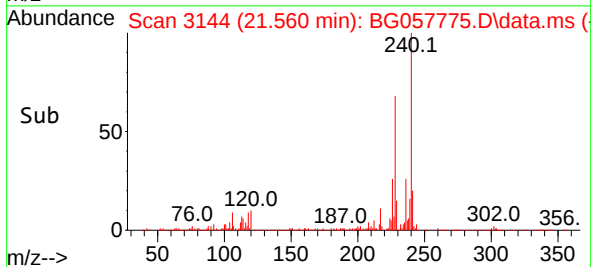
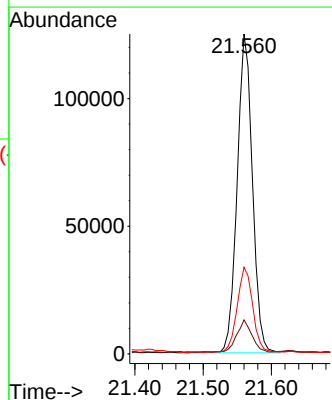
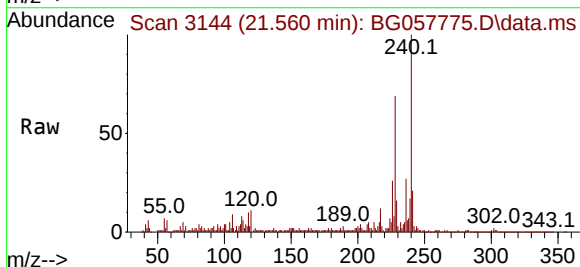
Instrument :
BNA_G
ClientSampleId :
PAT-2-061523

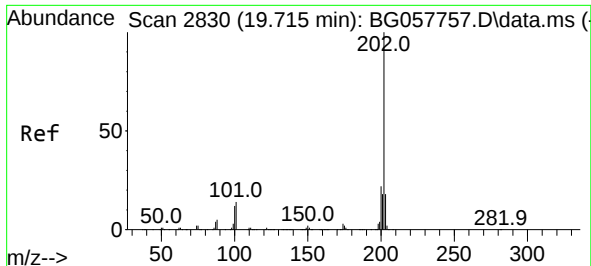
Tgt Ion:202 Resp: 1018468
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.3
203 19.1 0.0 38.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.560 min Scan# 3144
Delta R.T. -0.000 min
Lab File: BG057775.D
Acq: 20 Jun 2023 14:08

Tgt Ion:240 Resp: 194295
Ion Ratio Lower Upper
240 100
120 10.7 8.1 12.1
236 27.1 20.6 30.8

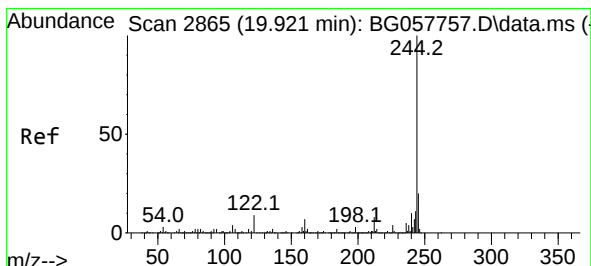
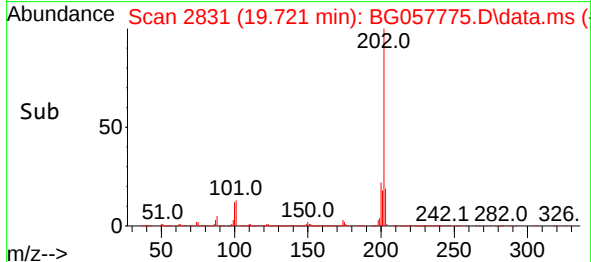
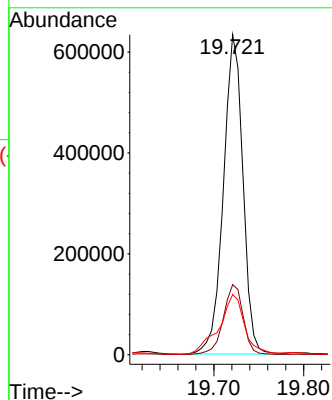
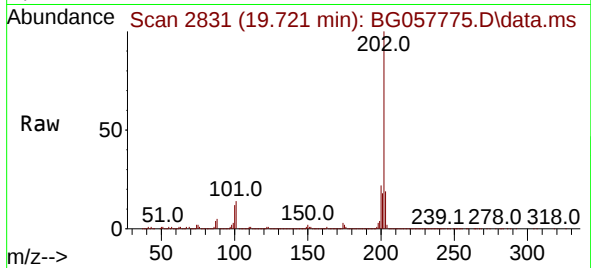




#78
Pyrene
Concen: 68.901 ng
RT: 19.721 min Scan# 2831
Delta R.T. 0.006 min
Lab File: BG057775.D
Acq: 20 Jun 2023 14:08

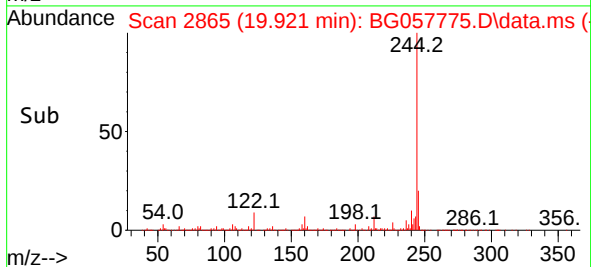
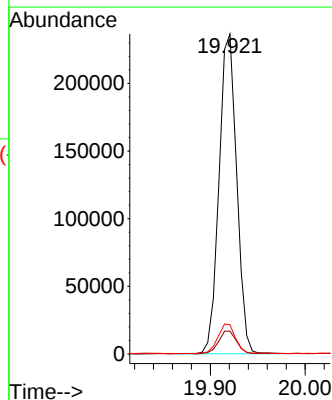
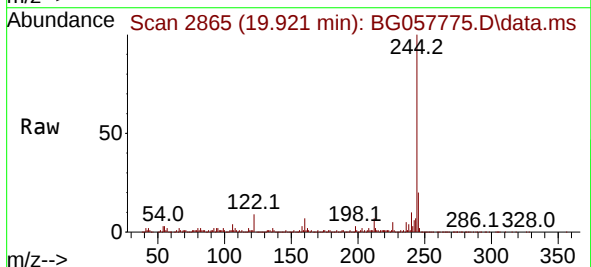
Instrument :
BNA_G
ClientSampleId :
PAT-2-061523

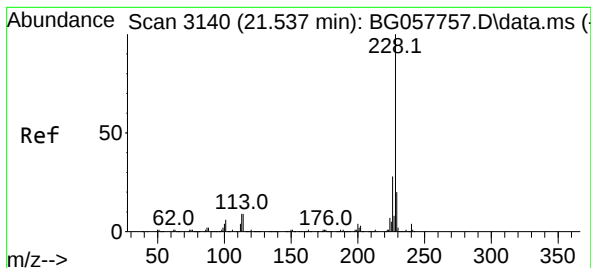
Tgt Ion:202 Resp: 954965
Ion Ratio Lower Upper
202 100
200 21.9 17.4 26.0
203 18.8 14.6 22.0



#79
Terphenyl-d14
Concen: 29.382 ng
RT: 19.921 min Scan# 2865
Delta R.T. -0.000 min
Lab File: BG057775.D
Acq: 20 Jun 2023 14:08

Tgt Ion:244 Resp: 306150
Ion Ratio Lower Upper
244 100
212 7.2 6.1 9.1
122 9.2 7.6 11.4





#81

Benzo(a)anthracene

Concen: 39.234 ng

RT: 21.542 min Scan# 3141

Delta R.T. 0.006 min

Lab File: BG057775.D

Acq: 20 Jun 2023 14:08

Instrument :

BNA_G

ClientSampleId :

PAT-2-061523

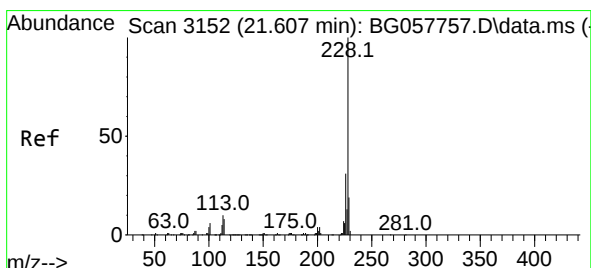
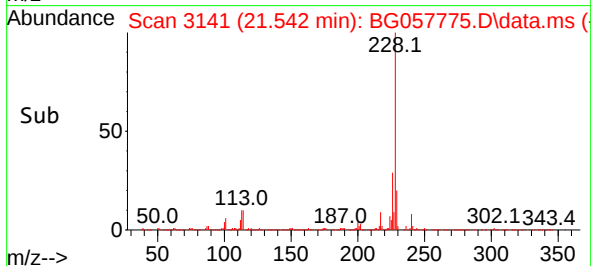
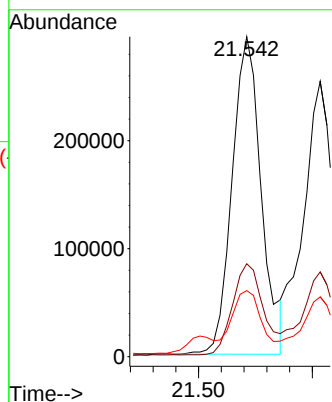
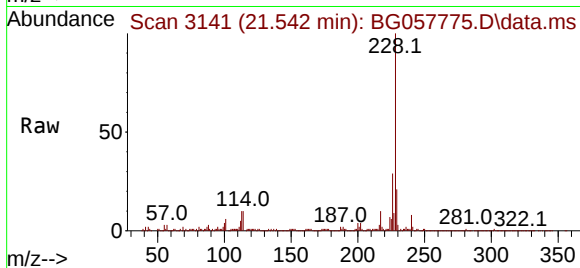
Tgt Ion:228 Resp: 523008

Ion Ratio Lower Upper

228 100

226 29.1 22.3 33.5

229 20.6 16.3 24.5



#83

Chrysene

Concen: 35.777 ng

RT: 21.607 min Scan# 3152

Delta R.T. -0.000 min

Lab File: BG057775.D

Acq: 20 Jun 2023 14:08

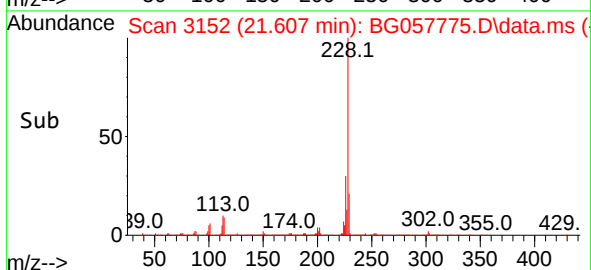
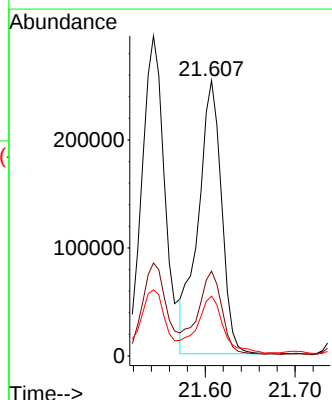
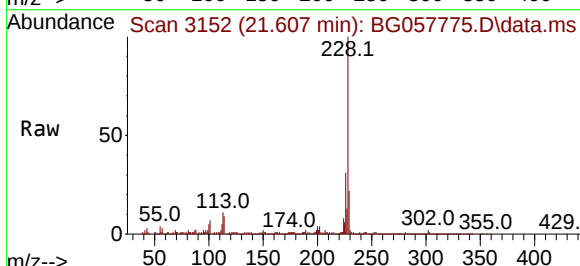
Tgt Ion:228 Resp: 457696

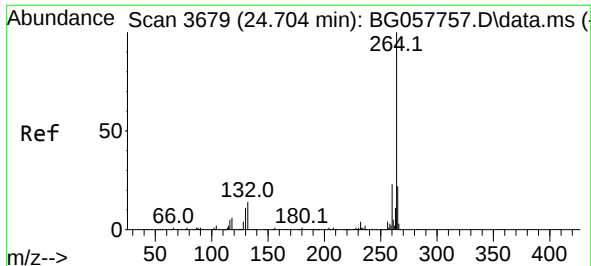
Ion Ratio Lower Upper

228 100

226 30.8 24.8 37.2

229 21.8 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.727 min Scan# 3

Delta R.T. 0.023 min

Lab File: BG057775.D

Acq: 20 Jun 2023 14:08

Instrument :

BNA_G

ClientSampleId :

PAT-2-061523

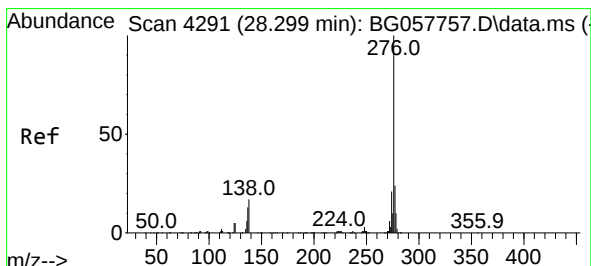
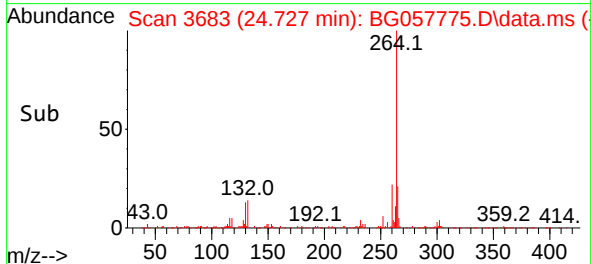
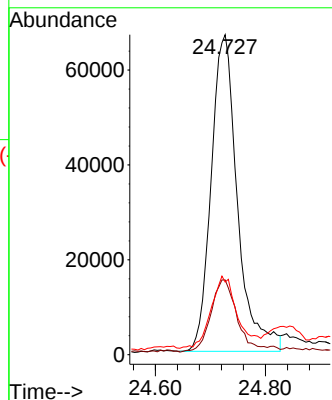
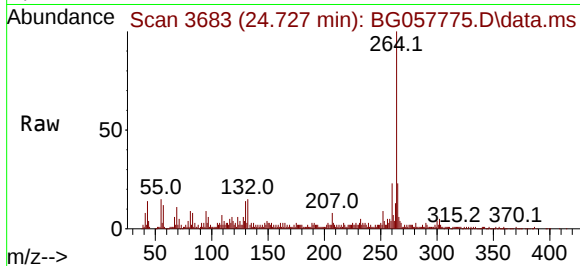
Tgt Ion:264 Resp: 221458

Ion Ratio Lower Upper

264 100

260 23.4 18.5 27.7

265 22.7 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 14.337 ng

RT: 28.317 min Scan# 4294

Delta R.T. 0.017 min

Lab File: BG057775.D

Acq: 20 Jun 2023 14:08

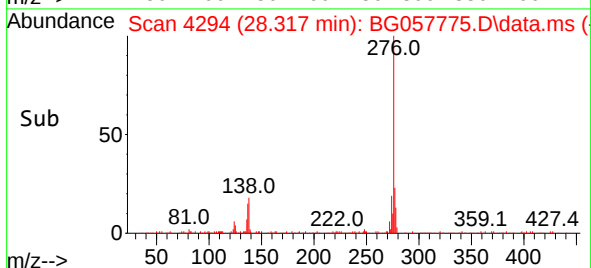
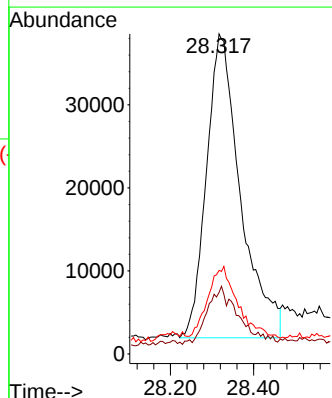
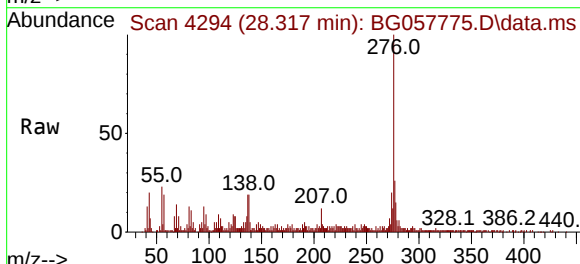
Tgt Ion:276 Resp: 207593

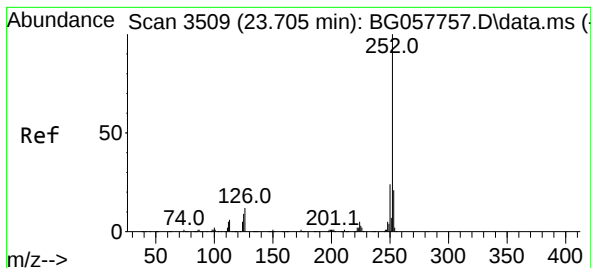
Ion Ratio Lower Upper

276 100

138 16.4 11.3 16.9

277 21.5 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 49.546 ng

RT: 23.728 min Scan# 3513

Delta R.T. 0.023 min

Lab File: BG057775.D

Acq: 20 Jun 2023 14:08

Instrument :

BNA_G

ClientSampleId :

PAT-2-061523

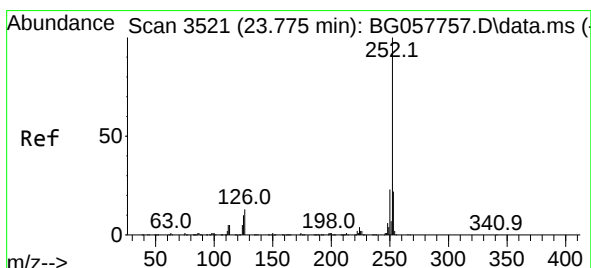
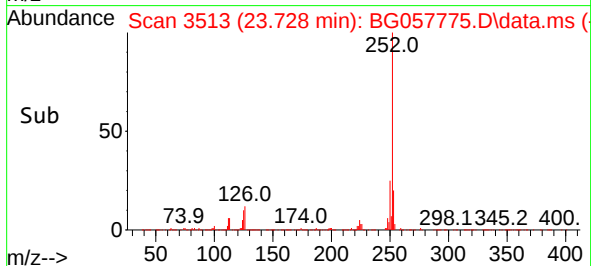
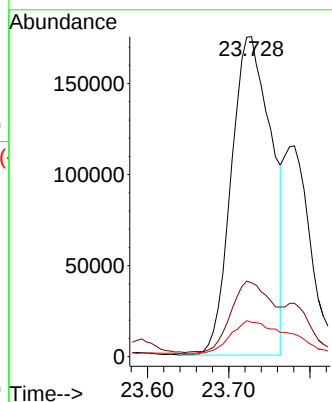
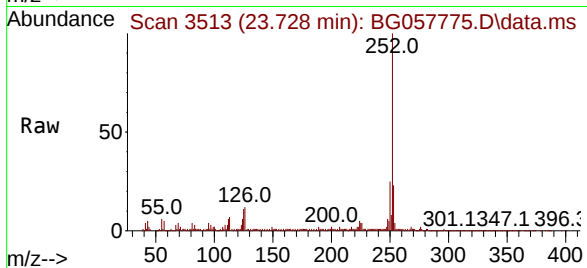
Tgt Ion:252 Resp: 601267

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

125 10.7 7.4 11.0



#89

Benzo(k)fluoranthene

Concen: 48.647 ng

RT: 23.728 min Scan# 3513

Delta R.T. -0.047 min

Lab File: BG057775.D

Acq: 20 Jun 2023 14:08

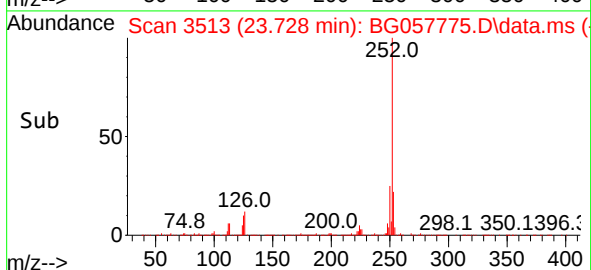
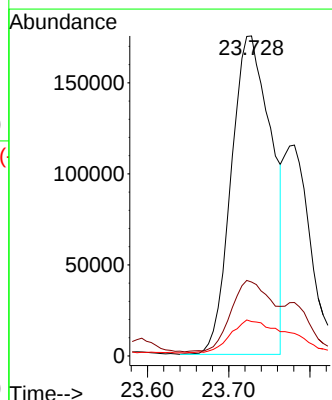
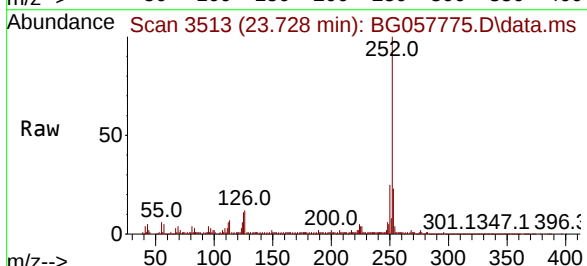
Tgt Ion:252 Resp: 601267

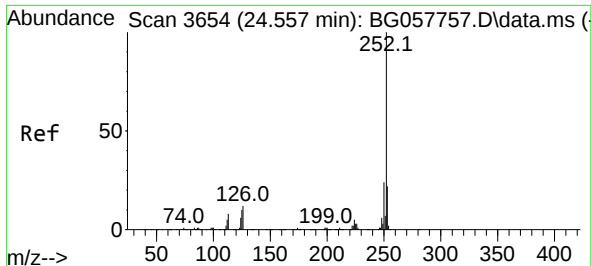
Ion Ratio Lower Upper

252 100

253 23.1 18.0 27.0

125 10.7 7.6 11.4

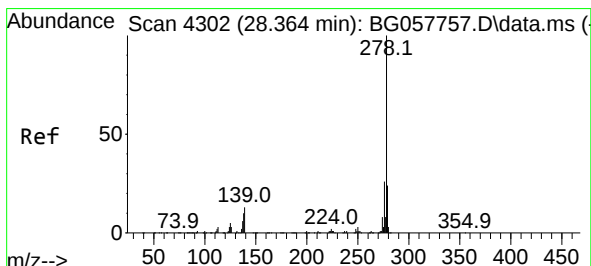
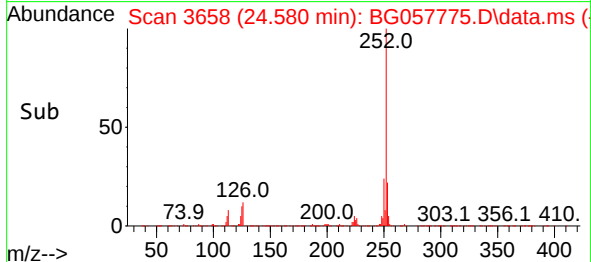
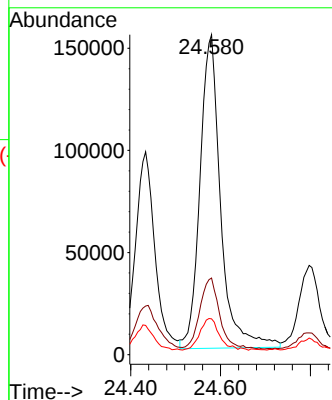
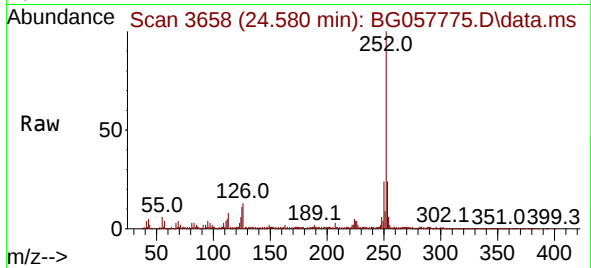




#90
Benzo(a)pyrene
Concen: 41.101 ng
RT: 24.580 min Scan# 30
Delta R.T. 0.023 min
Lab File: BG057775.D
Acq: 20 Jun 2023 14:08

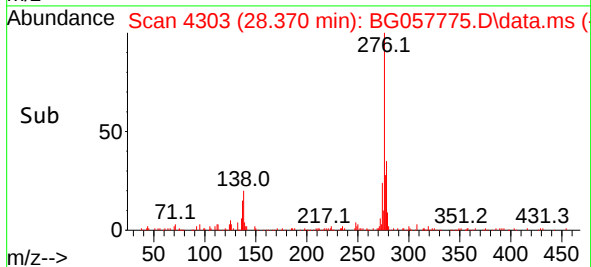
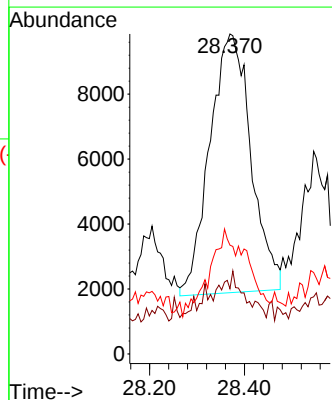
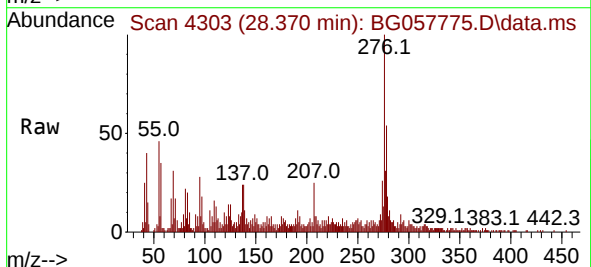
Instrument :
BNA_G
ClientSampleId :
PAT-2-061523

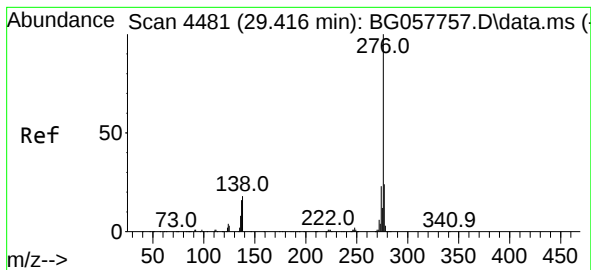
Tgt Ion:252 Resp: 489855
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.2
125 11.2 8.0 12.0



#91
Dibenzo(a,h)anthracene
Concen: 4.009 ng
RT: 28.370 min Scan# 4303
Delta R.T. 0.006 min
Lab File: BG057775.D
Acq: 20 Jun 2023 14:08

Tgt Ion:278 Resp: 48160
Ion Ratio Lower Upper
278 100
139 20.4 10.8 16.2#
279 34.0 19.0 28.4#





#92

Benzo(g,h,i)perylene

Concen: 15.444 ng

RT: 29.439 min Scan# 44

Delta R.T. 0.023 min

Lab File: BG057775.D

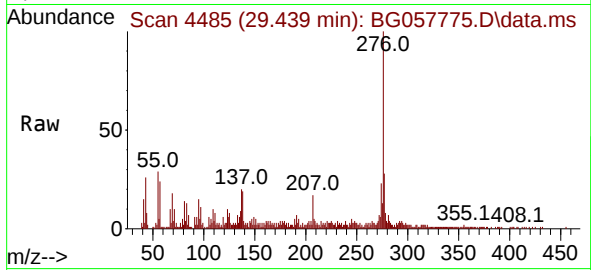
Acq: 20 Jun 2023 14:08

Instrument :

BNA_G

ClientSampleId :

PAT-2-061523



Tgt Ion:276 Resp: 185781

Ion Ratio Lower Upper

276 100

277 27.5 19.4 29.0

138 19.1 14.2 21.4

