

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021023\
 Data File : BG056615.D
 Acq On : 10 Feb 2023 21:26
 Operator : CG/JU
 Sample : 01510-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JPP-55-020823

Quant Time: Feb 10 22:50:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 10 22:46:08 2023
 Response via : Initial Calibration

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

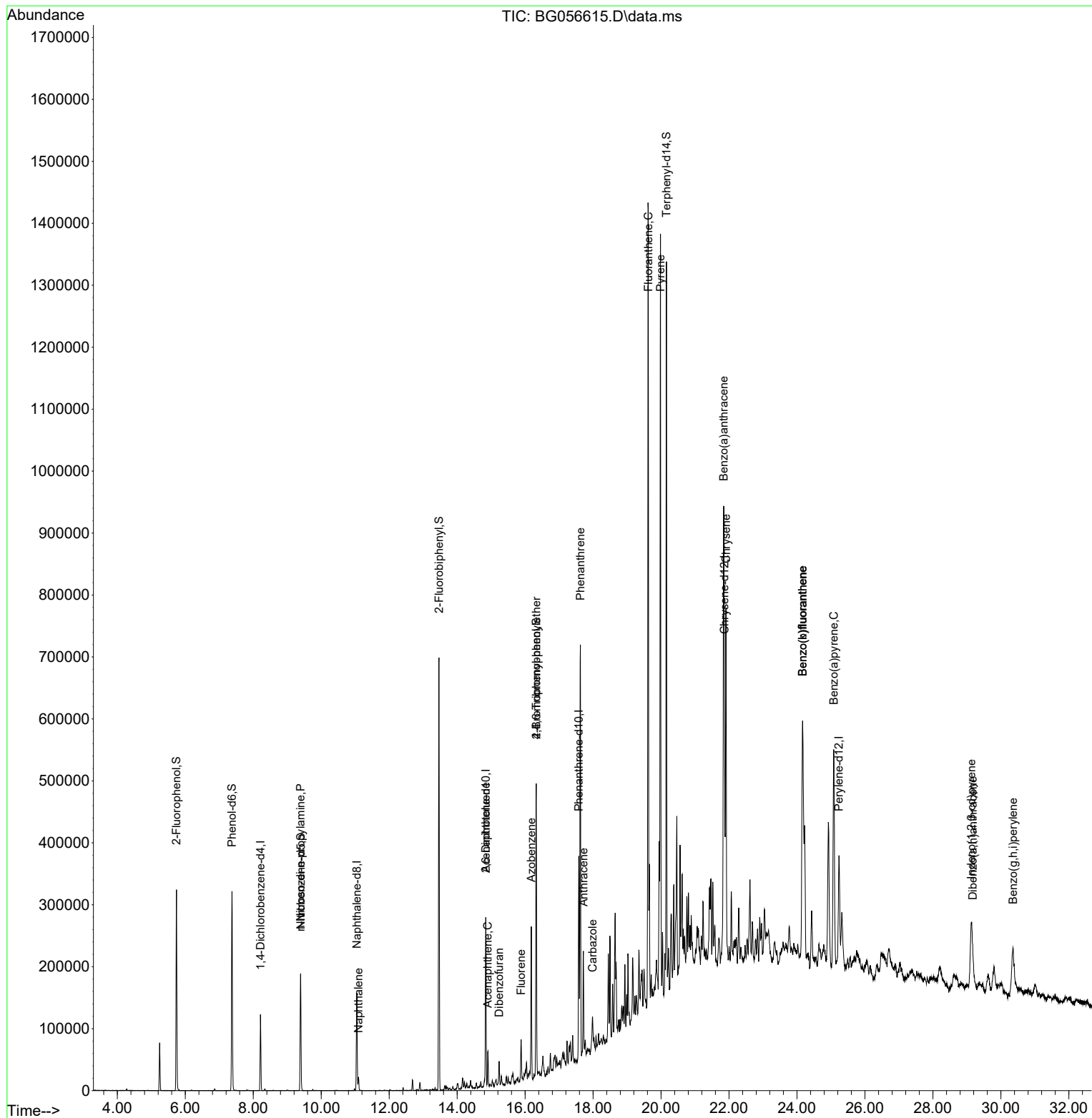
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.213	152	39029	20.000	ng	0.00
21) Naphthalene-d8	11.045	136	142954	20.000	ng	0.00
39) Acenaphthene-d10	14.841	164	101604	20.000	ng	0.00
64) Phenanthrene-d10	17.579	188	220520	20.000	ng	0.00
76) Chrysene-d12	21.862	240	209311	20.000	ng	# 0.00
86) Perylene-d12	25.234	264	232440	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.739	112	185616	87.488	ng	0.01
7) Phenol-d6	7.373	99	251678	80.062	ng	0.00
23) Nitrobenzene-d5	9.394	82	131534	52.249	ng	0.00
42) 2,4,6-Tribromophenol	16.327	330	99587	73.726	ng	0.00
45) 2-Fluorobiphenyl	13.466	172	408873	55.792	ng	0.00
79) Terphenyl-d14	20.158	244	602846	50.586	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.388	70	16385	9.045	ng	# 67
31) Naphthalene	11.098	128	20926	2.773	ng	97
51) 2,6-Dinitrotoluene	14.841	165	14468	8.071	ng	# 38
52) Acenaphthene	14.899	154	21543	3.876	ng	87
55) Dibenzofuran	15.234	168	23456	2.353	ng	96
58) Fluorene	15.881	166	30587	3.857	ng	99
63) Azobenzene	16.180	77	56358	10.611	ng	# 1
67) 4-Bromophenyl-phenylether	16.327	248	7823	2.771	ng	# 1
71) Phenanthrene	17.626	178	473813	41.052	ng	98
72) Anthracene	17.714	178	122484	10.338	ng	99
73) Carbazole	17.984	167	37149	3.682	ng	98
75) Fluoranthene	19.623	202	906170	62.208	ng	99
78) Pyrene	19.982	202	833309	55.977	ng	99
81) Benzo(a)anthracene	21.838	228	480562	32.841	ng	98
83) Chrysene	21.909	228	455811	33.156	ng	96
87) Indeno(1,2,3-cd)pyrene	29.130	276	229436	13.484	ng	# 88
88) Benzo(b)fluoranthene	24.165	252	586075	40.622	ng	98
89) Benzo(k)fluoranthene	24.165	252	586075	40.235	ng	96
90) Benzo(a)pyrene	25.081	252	456260	32.104	ng	99
91) Dibenzo(a,h)anthracene	29.171	278	66259	4.639	ng	# 89
92) Benzo(g,h,i)perylene	30.358	276	218683	15.869	ng	97

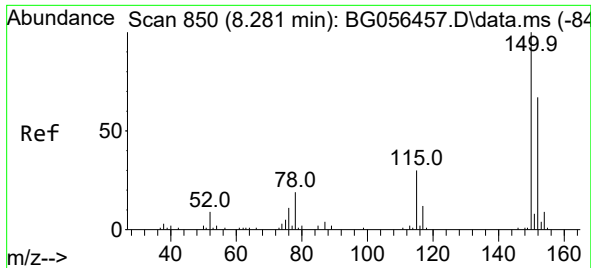
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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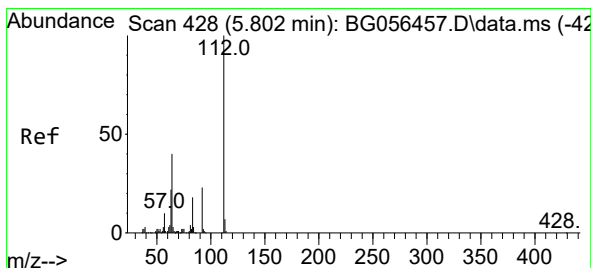
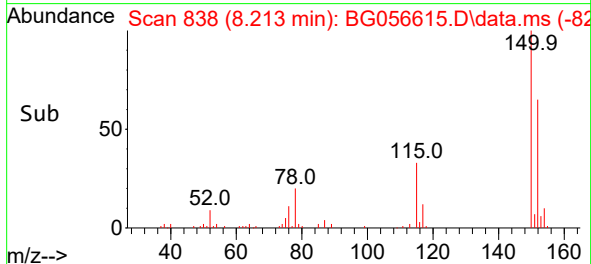
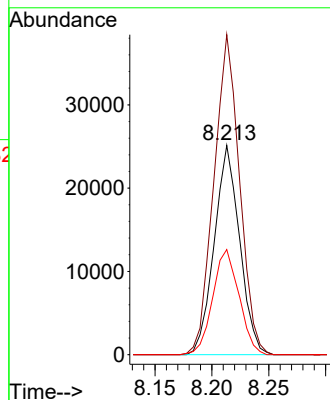
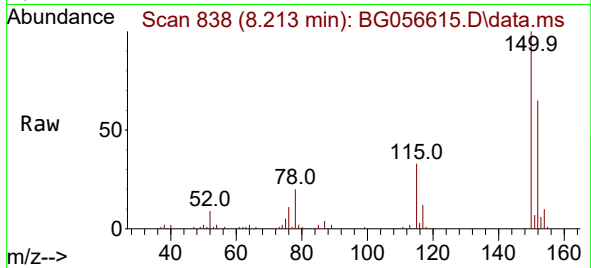




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.213 min Scan# 81
Delta R.T. 0.006 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

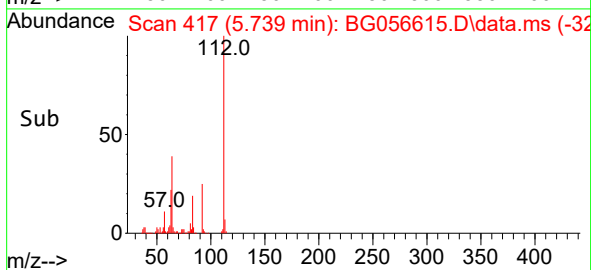
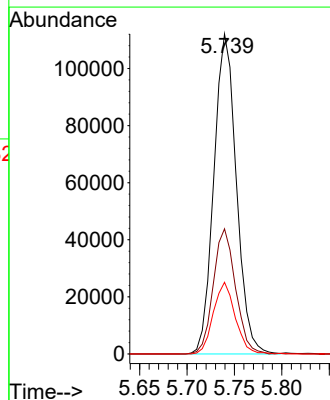
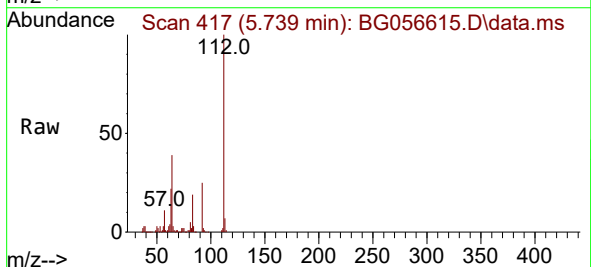
Instrument :
BNA_G
ClientSampleId :
JPP-55-020823

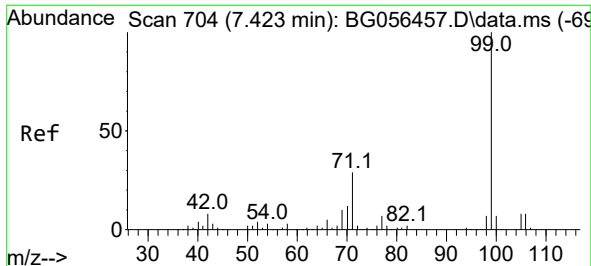
Tgt Ion:152 Resp: 39029
Ion Ratio Lower Upper
152 100
150 152.9 120.2 180.4
115 50.2 36.3 54.5



#5
2-Fluorophenol
Concen: 87.488 ng
RT: 5.739 min Scan# 417
Delta R.T. 0.012 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

Tgt Ion:112 Resp: 185616
Ion Ratio Lower Upper
112 100
64 39.1 31.9 47.9
63 22.4 17.4 26.0

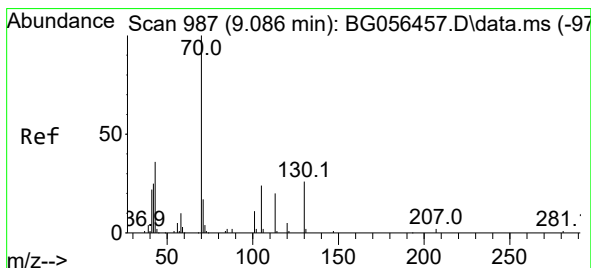
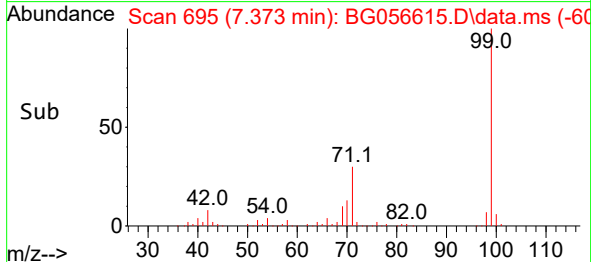
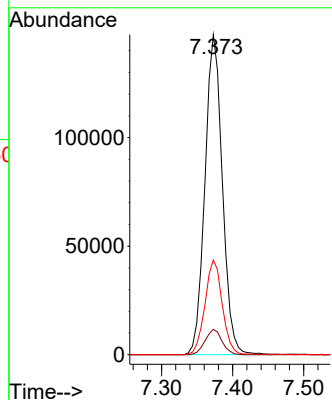
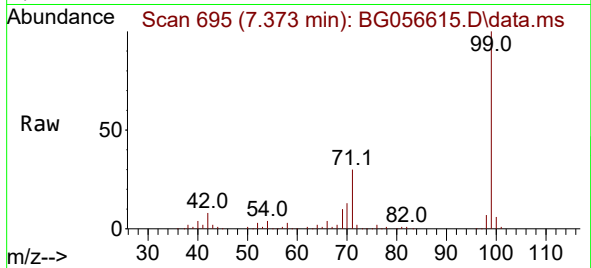




#7
Phenol-d6
Concen: 80.062 ng
RT: 7.373 min Scan# 61
Delta R.T. 0.006 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

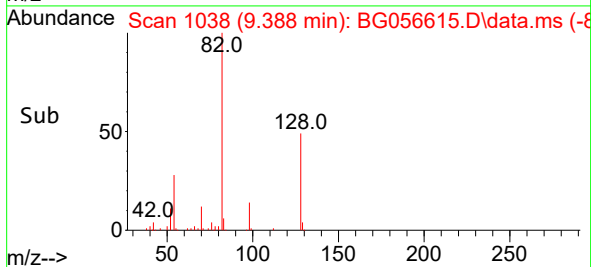
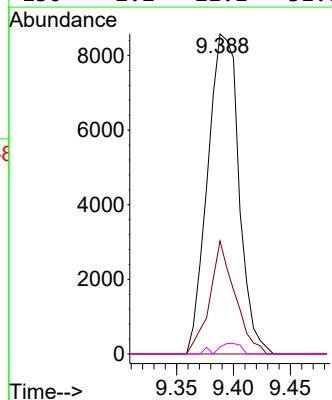
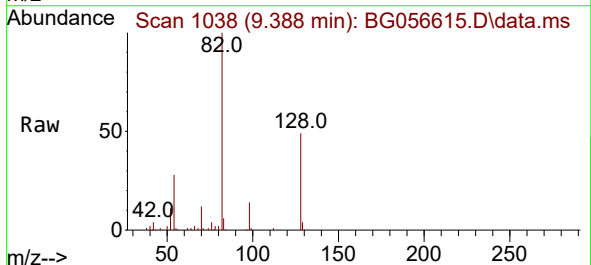
Instrument :
BNA_G
ClientSampleId :
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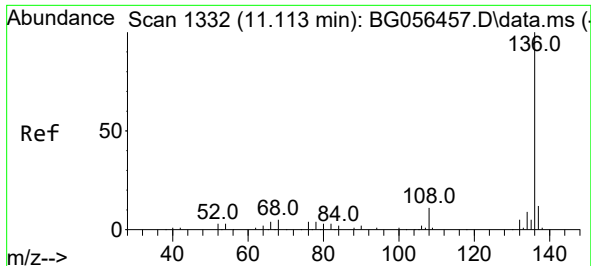
Tgt Ion: 99 Resp: 251678
Ion Ratio Lower Upper
99 100
42 7.9 6.6 10.0
71 29.6 23.4 35.0



#19
n-Nitroso-di-n-propylamine
Concen: 9.045 ng
RT: 9.388 min Scan# 1038
Delta R.T. 0.370 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

Tgt Ion: 70 Resp: 16385
Ion Ratio Lower Upper
70 100
42 35.3 20.2 30.4#
101 0.0 9.1 13.7#
130 2.2 21.1 31.7#

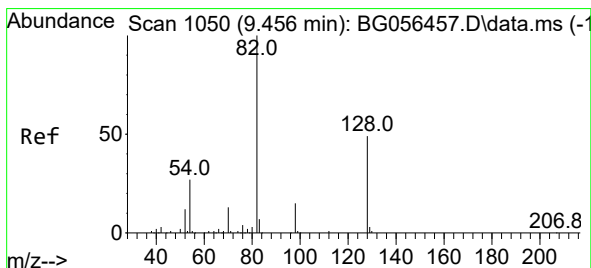
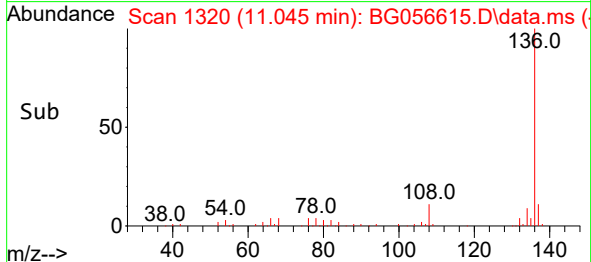
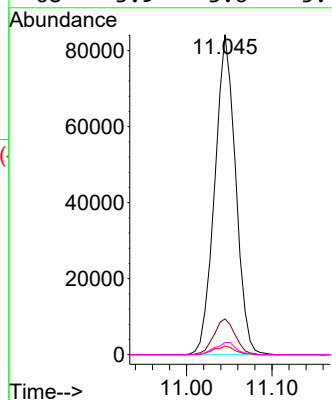
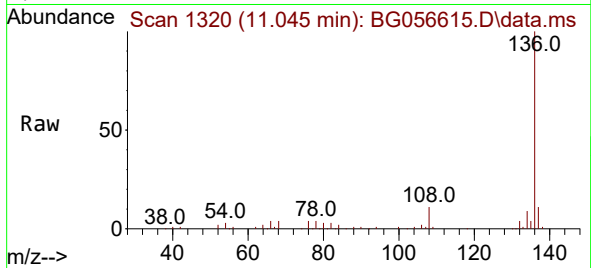




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 111
Delta R.T. -0.000 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

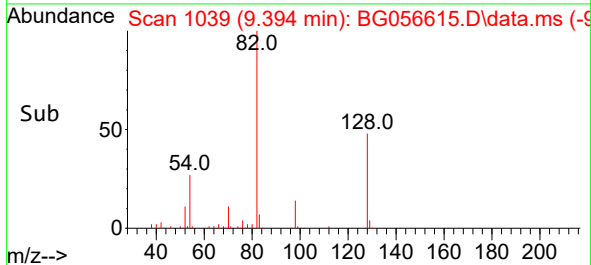
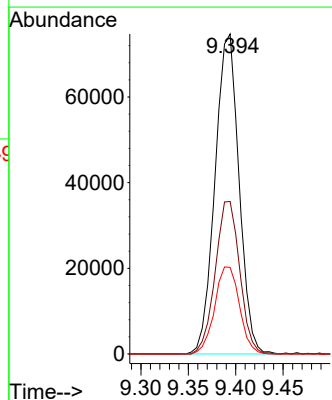
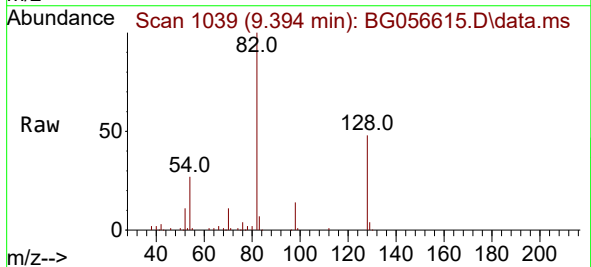
Instrument :
BNA_G
ClientSampleId :
JPP-55-020823

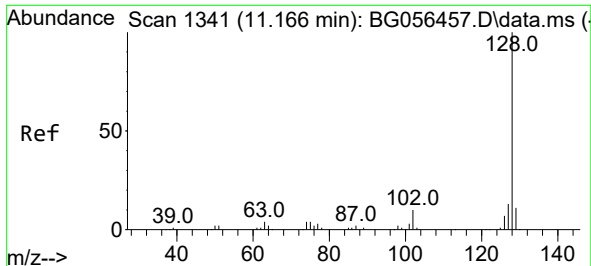
Tgt Ion:136 Resp: 142954
Ion Ratio Lower Upper
136 100
137 11.2 9.4 14.0
54 2.8 2.2 3.4
68 3.9 3.6 5.4



#23
Nitrobenzene-d5
Concen: 52.249 ng
RT: 9.394 min Scan# 1039
Delta R.T. 0.006 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

Tgt Ion: 82 Resp: 131534
Ion Ratio Lower Upper
82 100
128 47.6 39.4 59.2
54 27.0 21.4 32.2

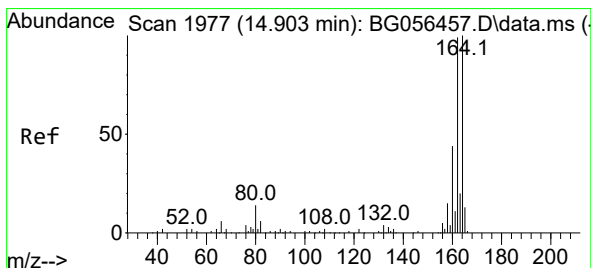
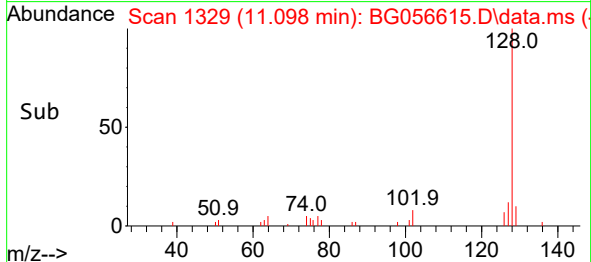
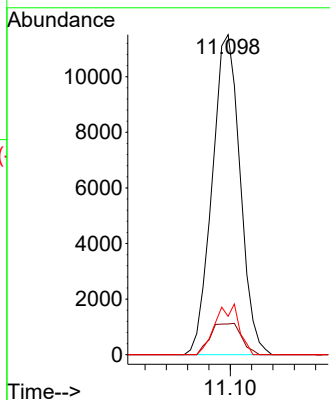
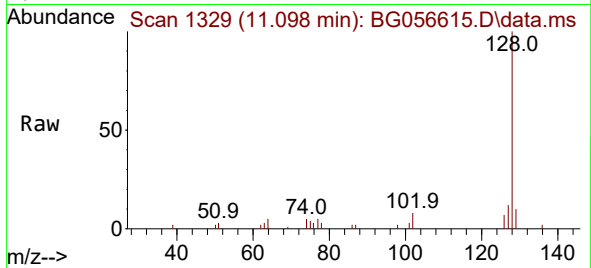




#31
Naphthalene
Concen: 2.773 ng
RT: 11.098 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

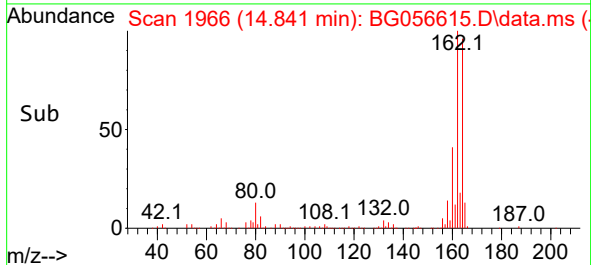
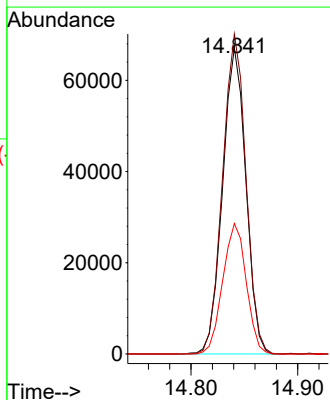
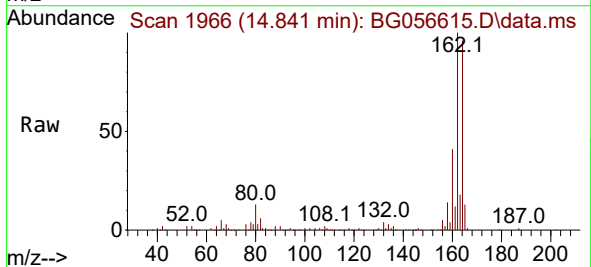
Instrument :
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ClientSampleId :
JPP-55-020823

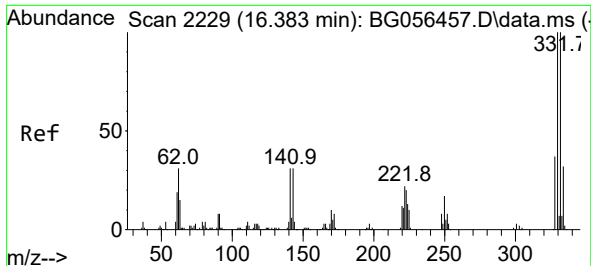
Tgt Ion:128 Resp: 20926
Ion Ratio Lower Upper
128 100
129 9.6 8.7 13.1
127 12.0 10.4 15.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.841 min Scan# 1966
Delta R.T. -0.000 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

Tgt Ion:164 Resp: 101604
Ion Ratio Lower Upper
164 100
162 104.5 79.6 119.4
160 42.6 34.9 52.3

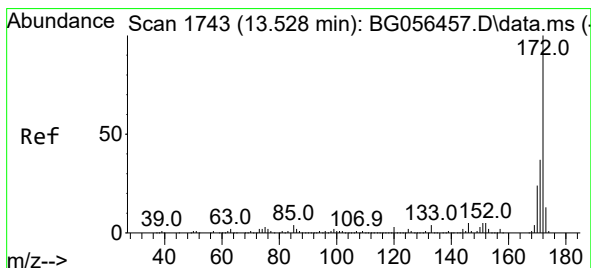
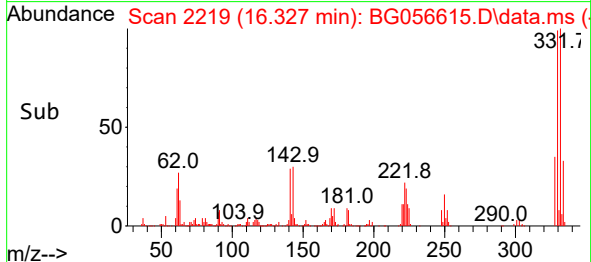
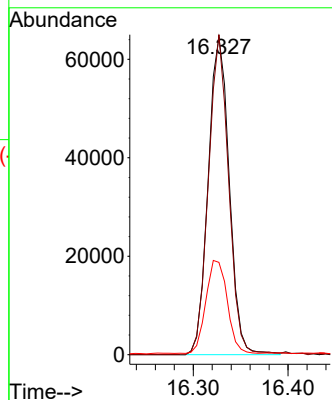
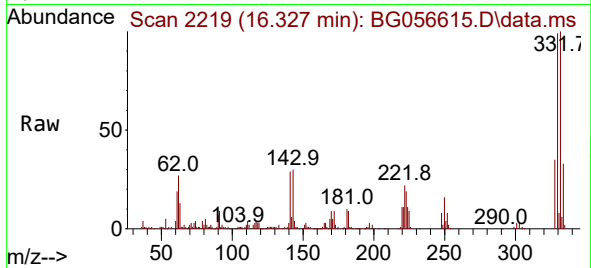




#42
2,4,6-Tribromophenol
Concen: 73.726 ng
RT: 16.327 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

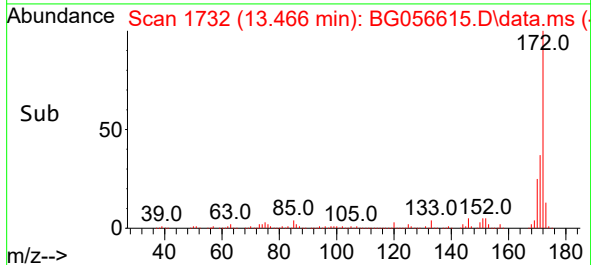
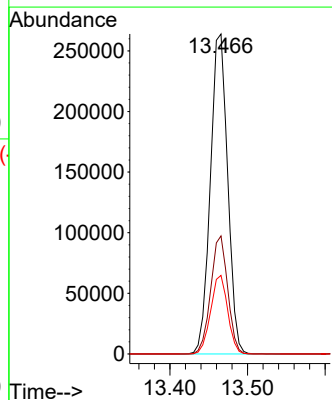
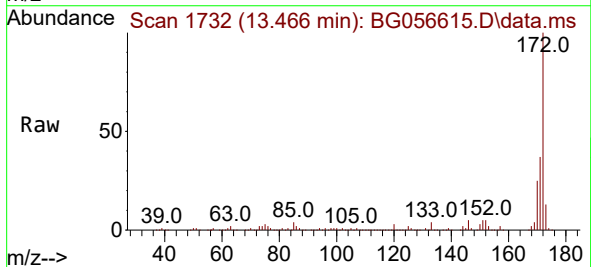
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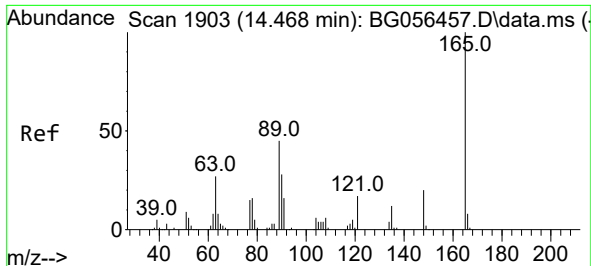
Tgt Ion:330 Resp: 99587
Ion Ratio Lower Upper
330 100
332 96.8 79.0 118.6
141 29.6 24.2 36.4



#45
2-Fluorobiphenyl
Concen: 55.792 ng
RT: 13.466 min Scan# 1732
Delta R.T. -0.000 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

Tgt Ion:172 Resp: 408873
Ion Ratio Lower Upper
172 100
171 36.9 29.5 44.3
170 24.6 19.2 28.8

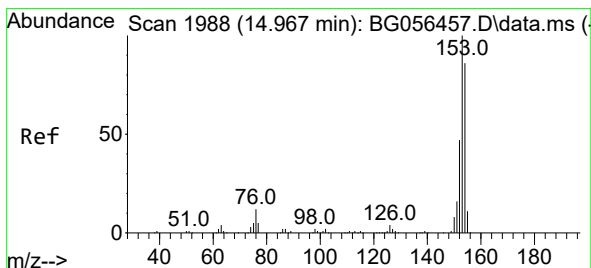
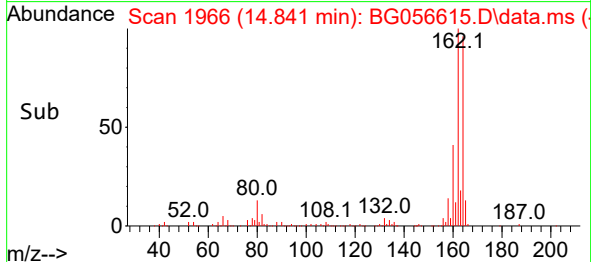
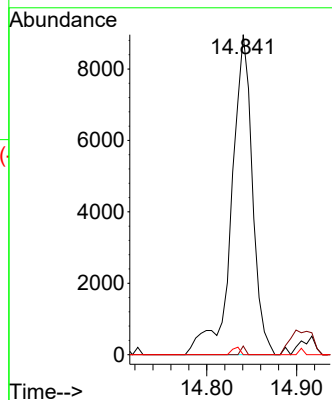
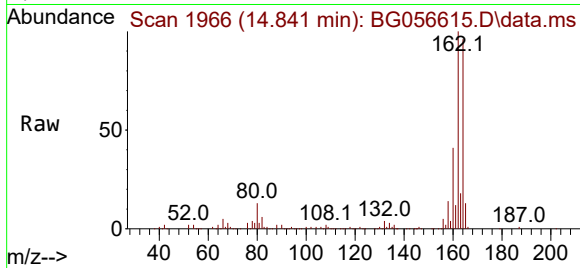




#51
2,6-Dinitrotoluene
Concen: 8.071 ng
RT: 14.841 min Scan# 1903
Delta R.T. 0.423 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

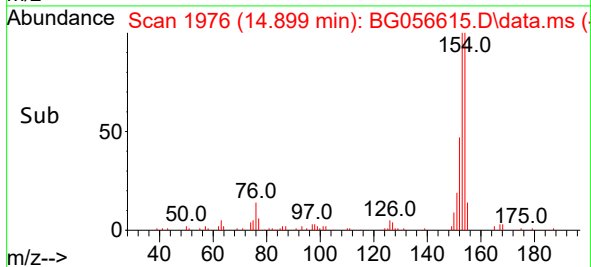
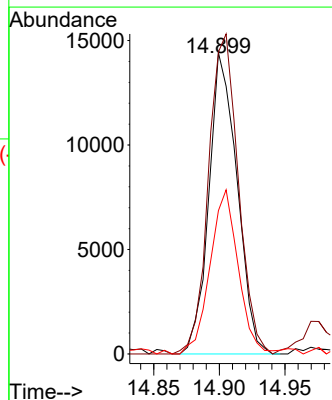
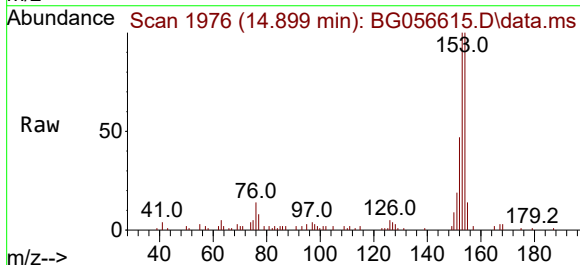
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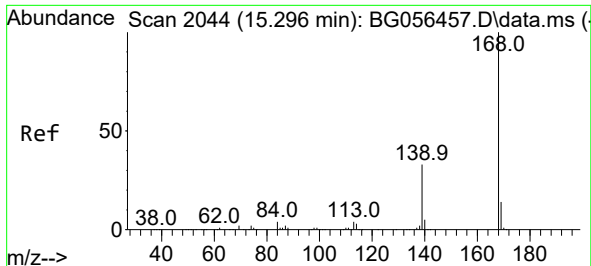
Tgt Ion:165 Resp: 14468
Ion Ratio Lower Upper
165 100
63 2.7 26.9 40.3#
89 0.0 35.6 53.4#



#52
Acenaphthene
Concen: 3.876 ng
RT: 14.899 min Scan# 1976
Delta R.T. -0.006 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

Tgt Ion:154 Resp: 21543
Ion Ratio Lower Upper
154 100
153 100.2 93.4 140.0
152 47.6 43.4 65.2

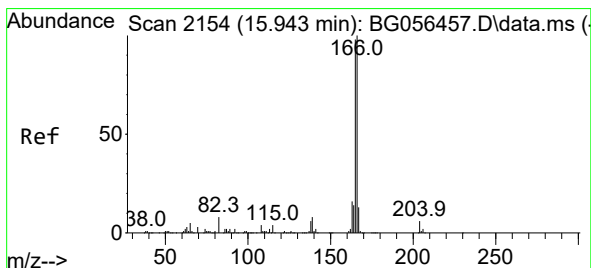
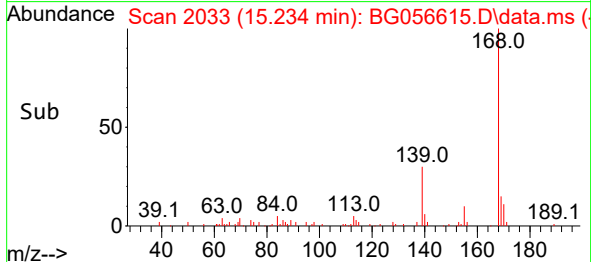
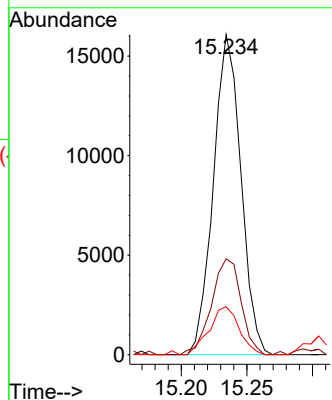
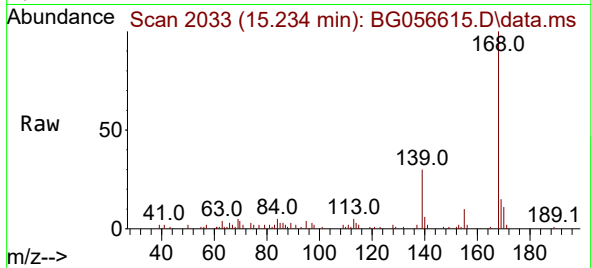




#55
Dibenzenofuran
Concen: 2.353 ng
RT: 15.234 min Scan# 2044
Delta R.T. -0.006 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

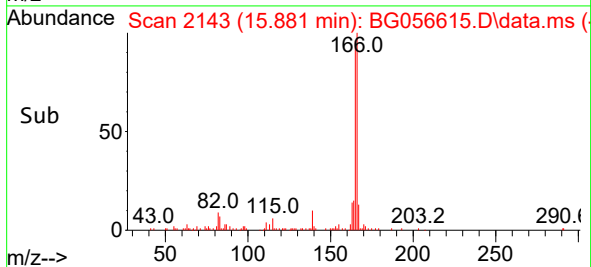
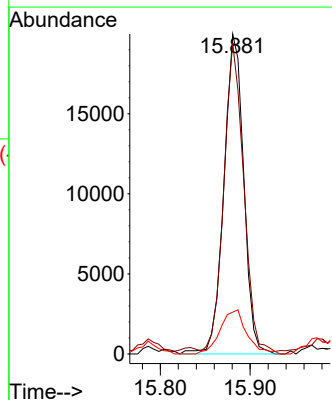
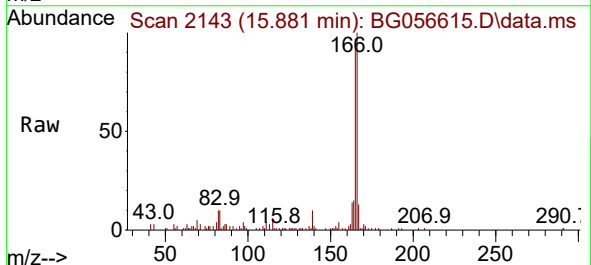
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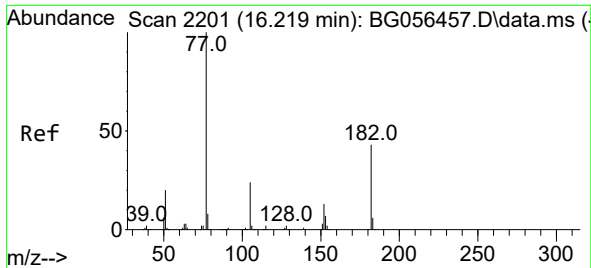
Tgt Ion:168 Resp: 23456
Ion Ratio Lower Upper
168 100
139 29.9 26.2 39.2
169 15.0 11.0 16.6



#58
Fluorene
Concen: 3.857 ng
RT: 15.881 min Scan# 2143
Delta R.T. -0.006 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

Tgt Ion:166 Resp: 30587
Ion Ratio Lower Upper
166 100
165 97.1 78.8 118.2
167 13.0 10.6 15.8

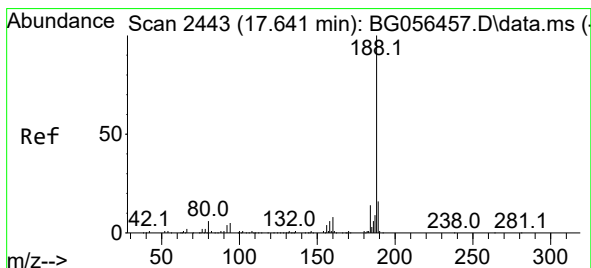
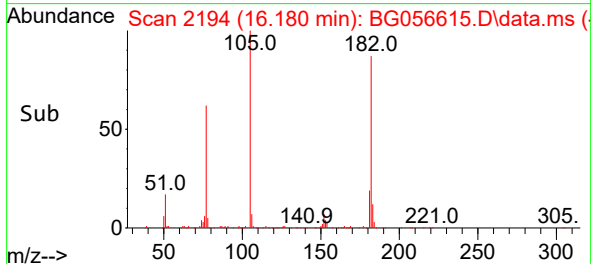
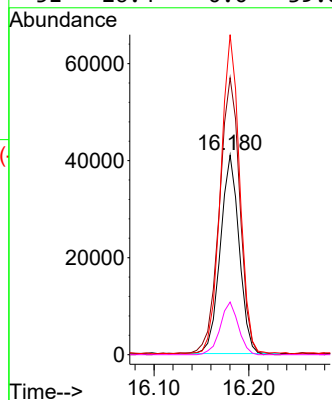
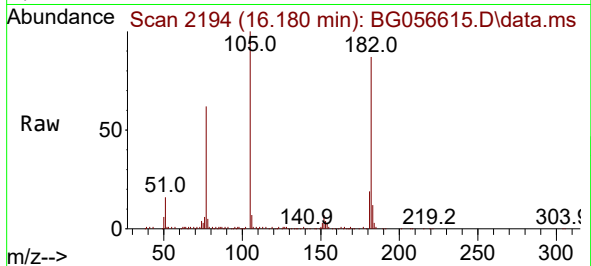




#63
Azobenzene
Concen: 10.611 ng
RT: 16.180 min Scan# 21
Delta R.T. 0.023 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

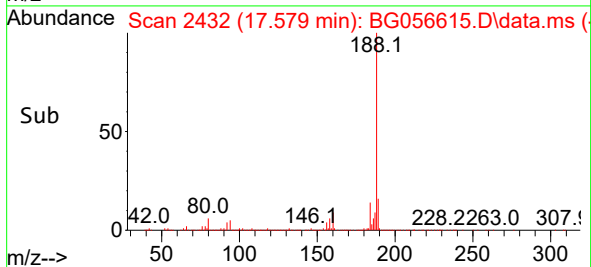
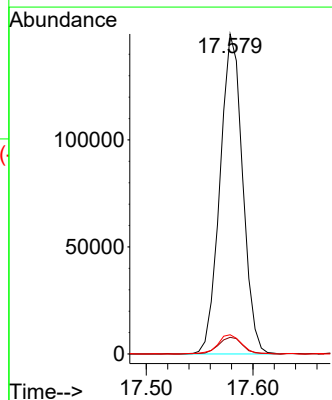
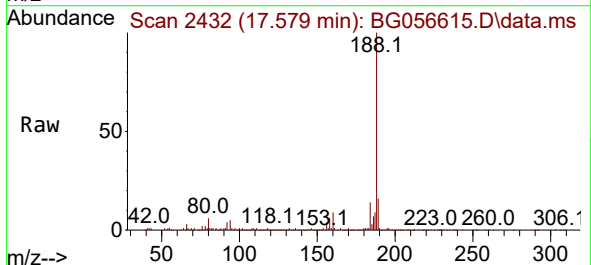
Instrument :
BNA_G
ClientSampleId :
JPP-55-020823

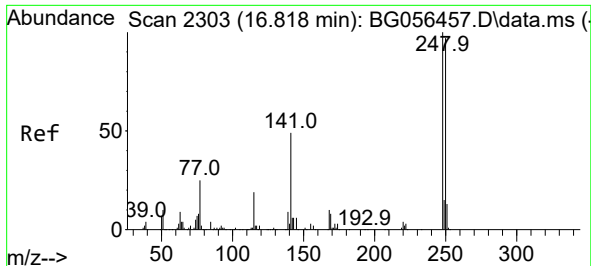
Tgt Ion: 77 Resp: 56358
Ion Ratio Lower Upper
77 100
182 138.9 23.1 63.1#
105 160.4 4.2 44.2#
51 26.4 0.0 39.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.579 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

Tgt Ion:188 Resp: 220520
Ion Ratio Lower Upper
188 100
94 5.2 4.1 6.1
80 6.0 5.0 7.4

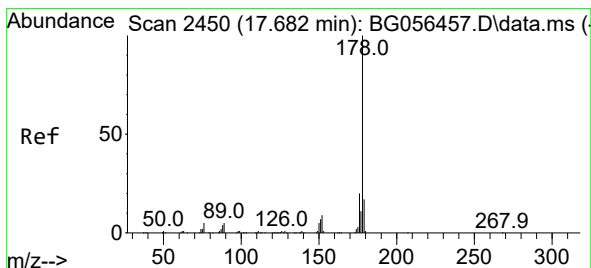
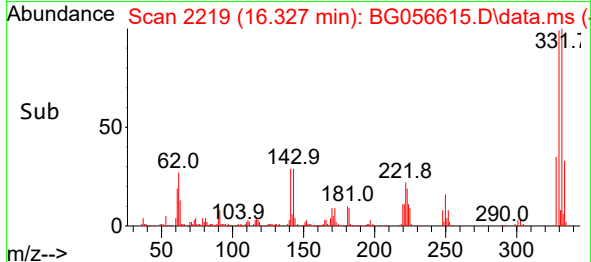
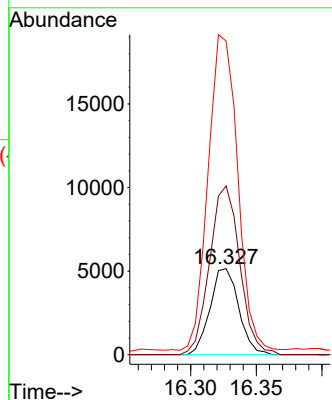
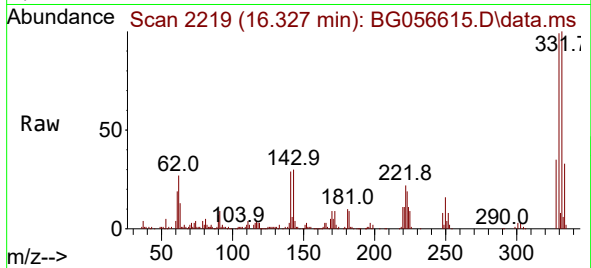




#67
4-Bromophenyl-phenylether
Concen: 2.771 ng
RT: 16.327 min Scan# 21
Delta R.T. -0.429 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

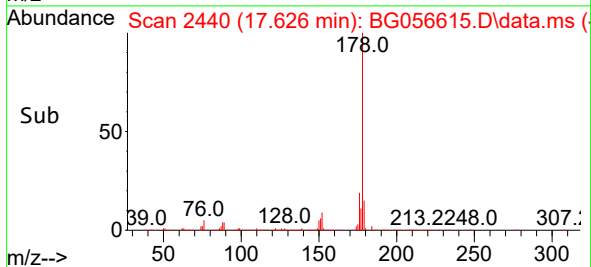
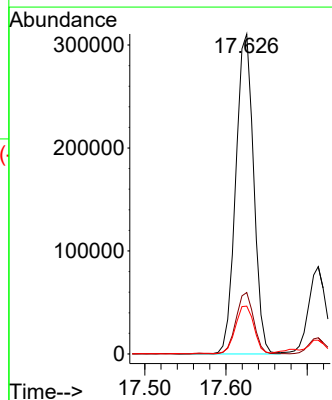
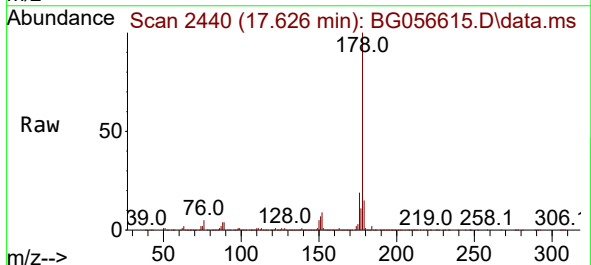
Instrument :
BNA_G
ClientSampleId :
JPP-55-020823

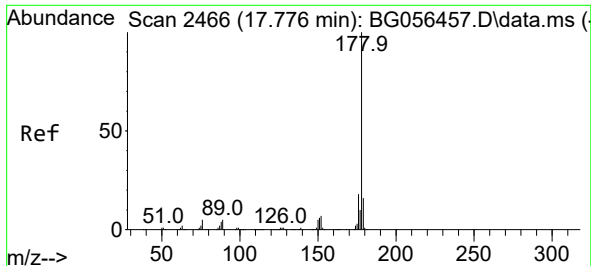
Tgt Ion:248 Resp: 7823
Ion Ratio Lower Upper
248 100
250 154.8 77.6 116.4#
141 287.6 39.0 58.4#



#71
Phenanthrene
Concen: 41.052 ng
RT: 17.626 min Scan# 2440
Delta R.T. -0.000 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

Tgt Ion:178 Resp: 473813
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.0 13.3 19.9

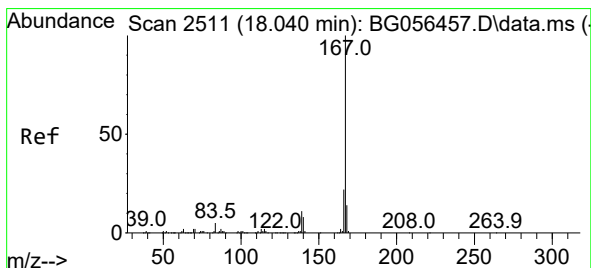
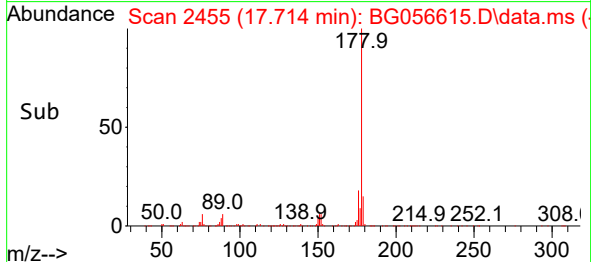
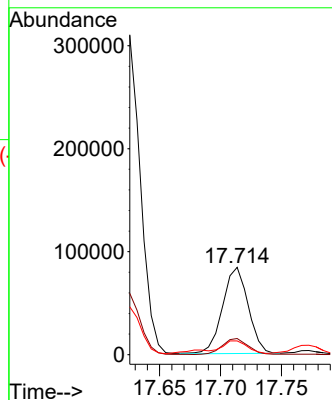
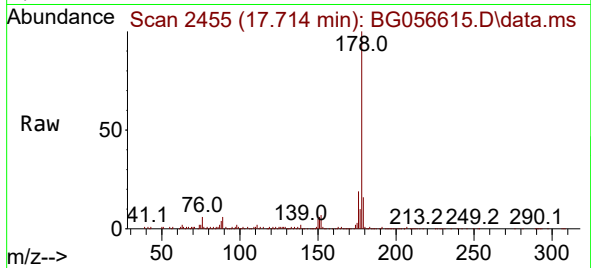




#72
 Anthracene
 Concen: 10.338 ng
 RT: 17.714 min Scan# 2466
 Delta R.T. -0.000 min
 Lab File: BG056615.D
 Acq: 10 Feb 2023 21:26

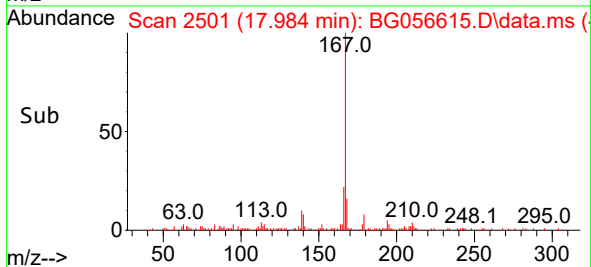
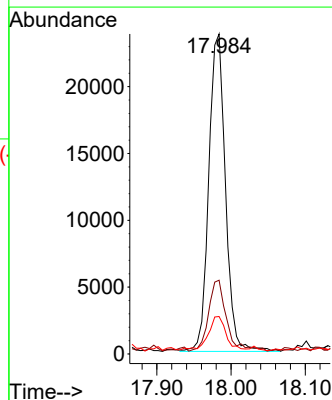
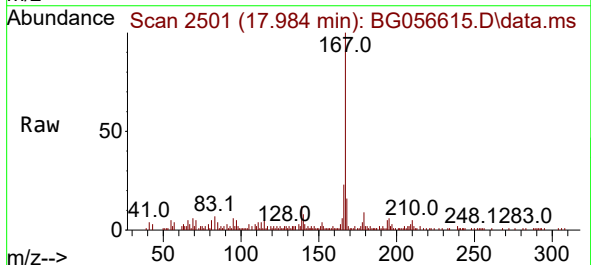
Instrument :
 BNA_G
 ClientSampleId :
 JPP-55-020823

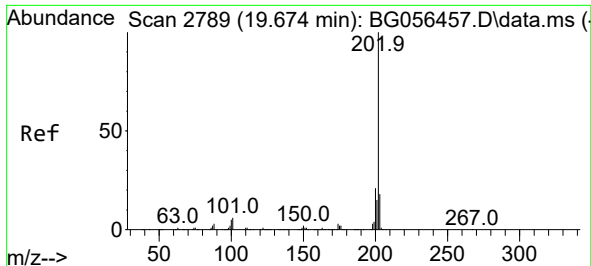
Tgt Ion:178 Resp: 122484
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.5 21.7
 179 15.8 12.5 18.7



#73
 Carbazole
 Concen: 3.682 ng
 RT: 17.984 min Scan# 2501
 Delta R.T. -0.000 min
 Lab File: BG056615.D
 Acq: 10 Feb 2023 21:26

Tgt Ion:167 Resp: 37149
 Ion Ratio Lower Upper
 167 100
 166 23.0 17.8 26.6
 139 11.7 8.9 13.3

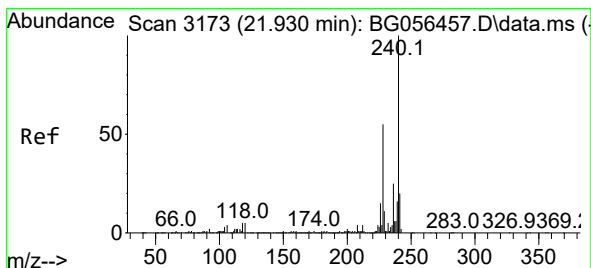
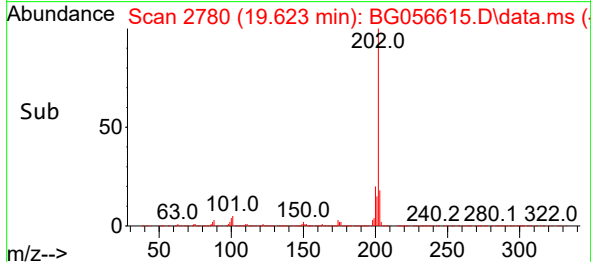
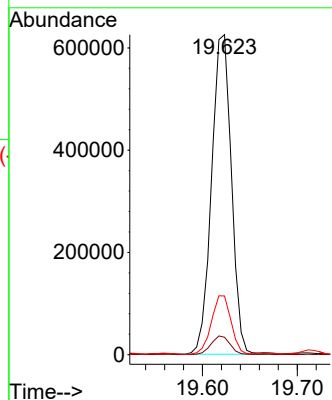
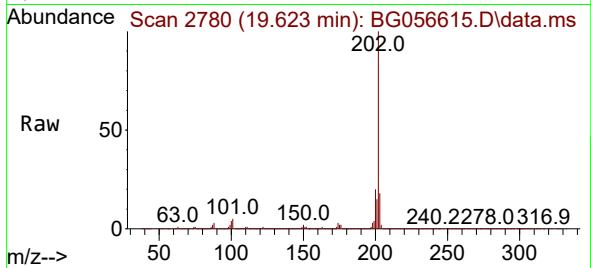




#75
Fluoranthene
Concen: 62.208 ng
RT: 19.623 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

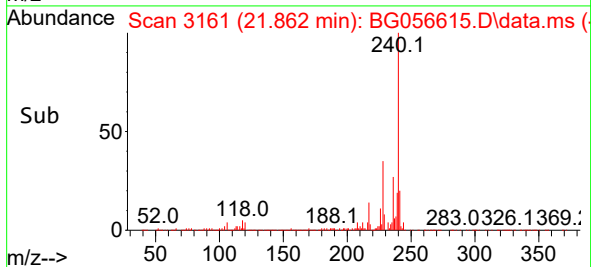
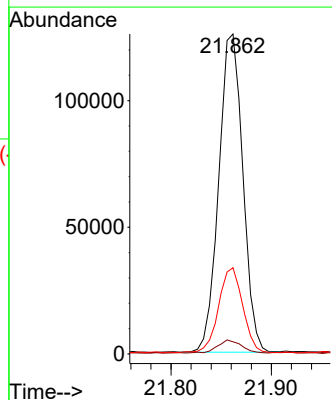
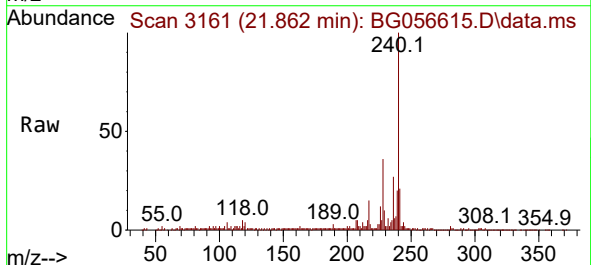
Instrument :
BNA_G
ClientSampleId :
JPP-55-020823

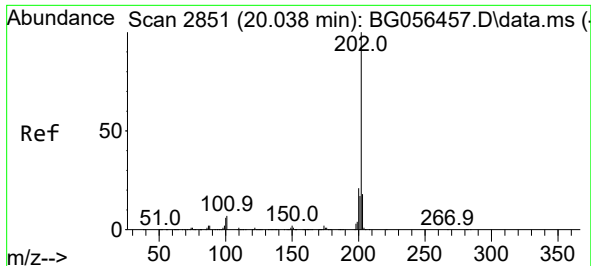
Tgt Ion:202 Resp: 906170
Ion Ratio Lower Upper
202 100
101 5.5 0.0 25.6
203 18.3 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.862 min Scan# 3161
Delta R.T. -0.000 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

Tgt Ion:240 Resp: 209311
Ion Ratio Lower Upper
240 100
120 3.8 3.8 5.8#
236 27.0 20.2 30.2

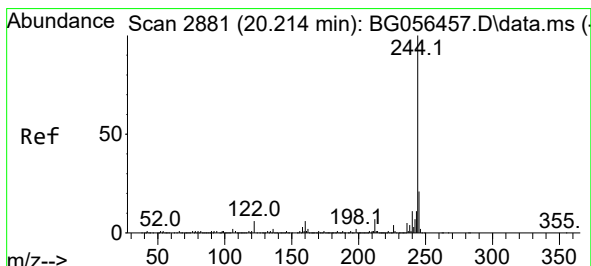
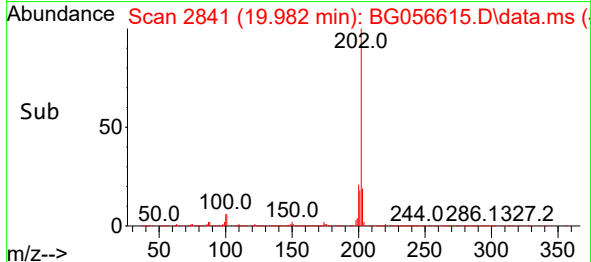
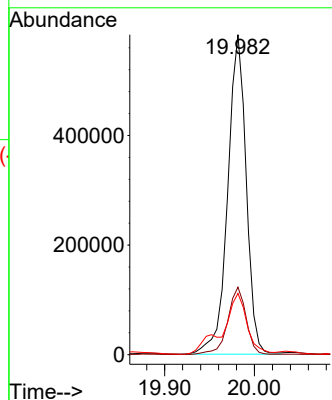
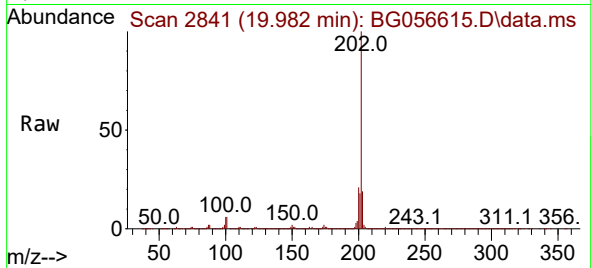




#78
 Pyrene
 Concen: 55.977 ng
 RT: 19.982 min Scan# 2841
 Delta R.T. -0.000 min
 Lab File: BG056615.D
 Acq: 10 Feb 2023 21:26

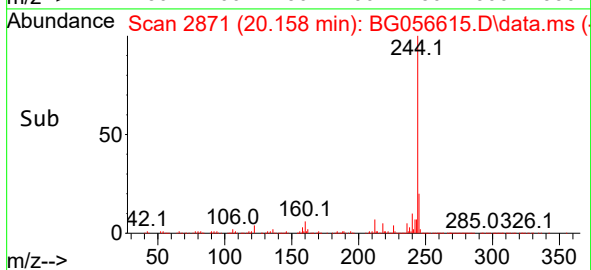
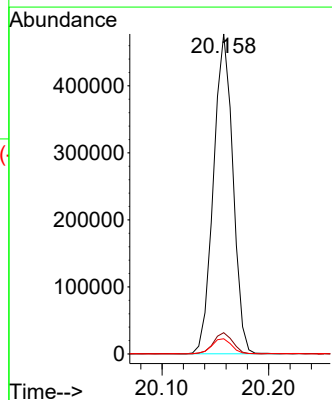
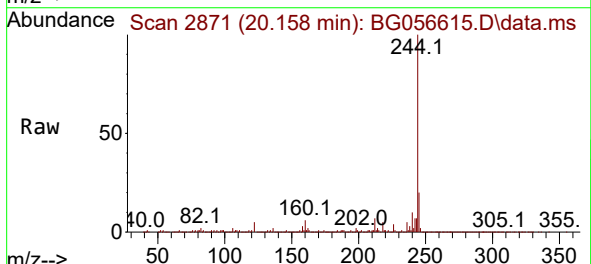
Instrument :
 BNA_G
 ClientSampleId :
 JPP-55-020823

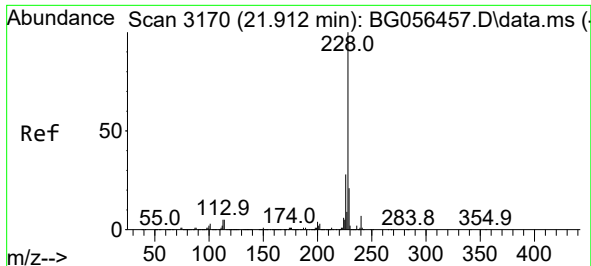
Tgt Ion:202 Resp: 833309
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.7 25.1
 203 19.2 14.4 21.6



#79
 Terphenyl-d14
 Concen: 50.586 ng
 RT: 20.158 min Scan# 2871
 Delta R.T. -0.000 min
 Lab File: BG056615.D
 Acq: 10 Feb 2023 21:26

Tgt Ion:244 Resp: 602846
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.5 8.3
 122 4.7 4.4 6.6

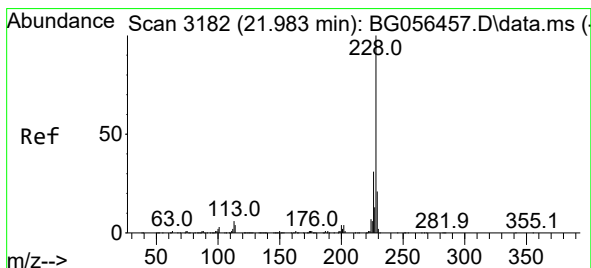
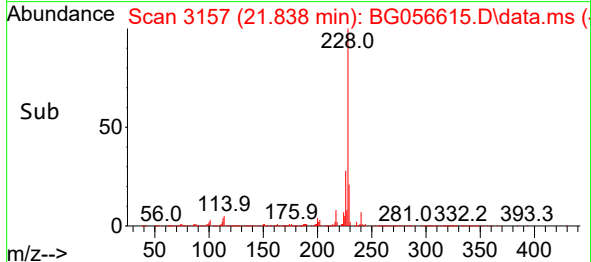
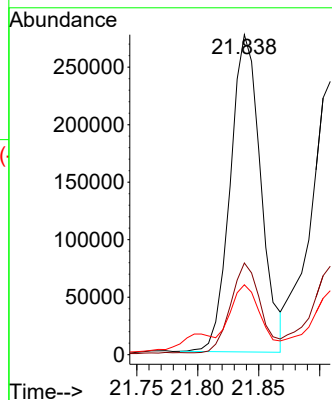
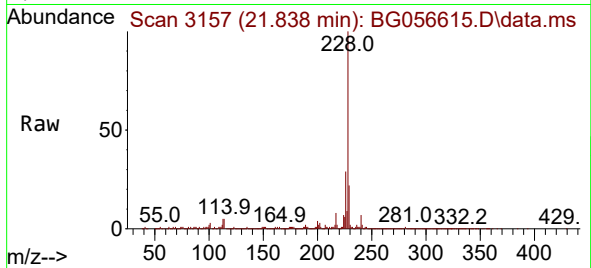




#81
Benzo(a)anthracene
Concen: 32.841 ng
RT: 21.838 min Scan# 3157
Delta R.T. -0.000 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

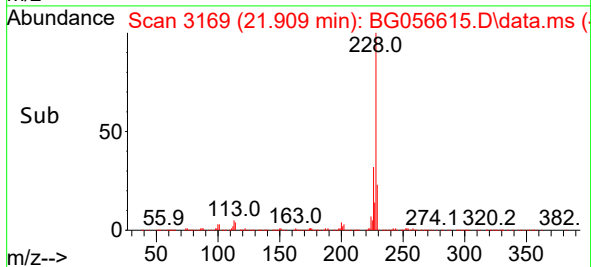
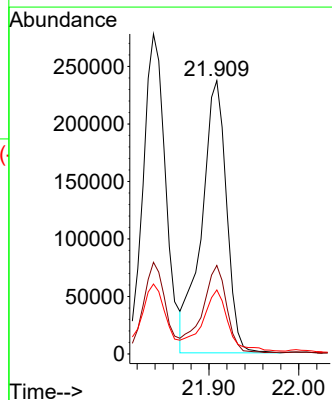
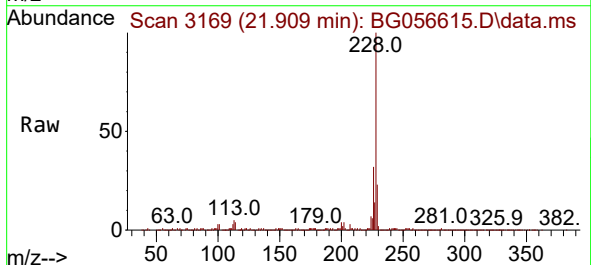
Instrument :
BNA_G
ClientSampleId :
JPP-55-020823

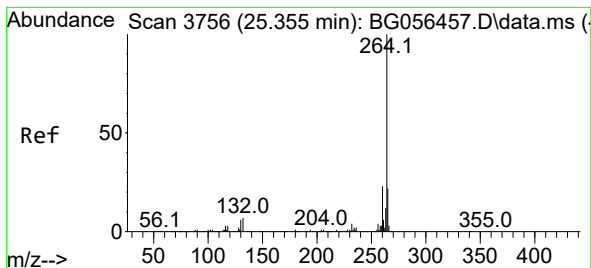
Tgt Ion:228 Resp: 480562
Ion Ratio Lower Upper
228 100
226 28.7 22.4 33.6
229 21.8 16.5 24.7



#83
Chrysene
Concen: 33.156 ng
RT: 21.909 min Scan# 3169
Delta R.T. -0.000 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

Tgt Ion:228 Resp: 455811
Ion Ratio Lower Upper
228 100
226 32.4 25.0 37.4
229 23.4 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.234 min Scan# 31

Delta R.T. -0.000 min

Lab File: BG056615.D

Acq: 10 Feb 2023 21:26

Instrument :

BNA_G

ClientSampleId :

JPP-55-020823

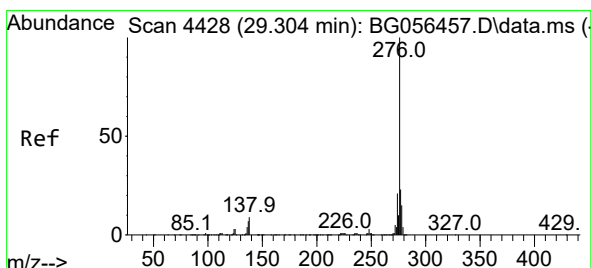
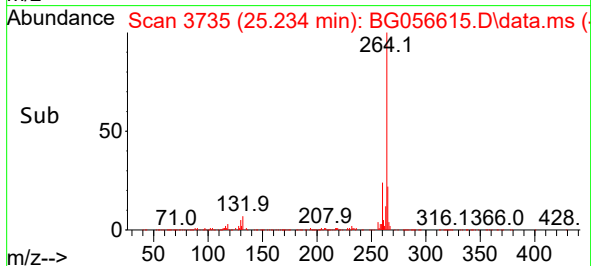
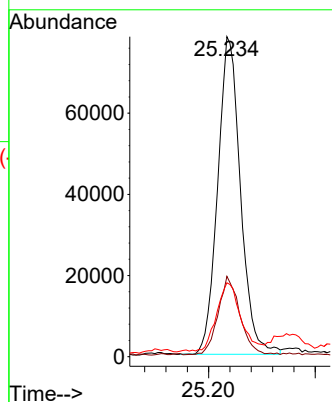
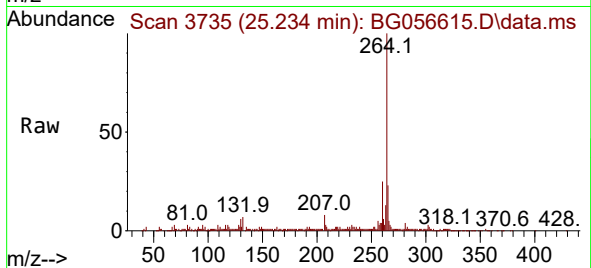
Tgt Ion:264 Resp: 232440

Ion Ratio Lower Upper

264 100

260 25.1 18.2 27.4

265 23.1 18.1 27.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 13.484 ng

RT: 29.130 min Scan# 4398

Delta R.T. -0.000 min

Lab File: BG056615.D

Acq: 10 Feb 2023 21:26

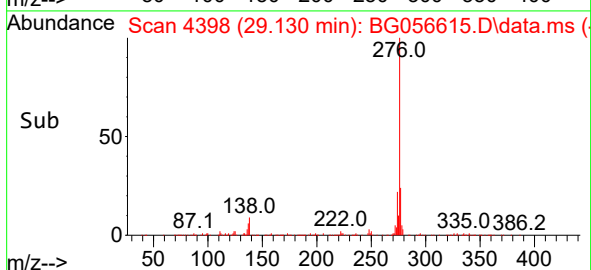
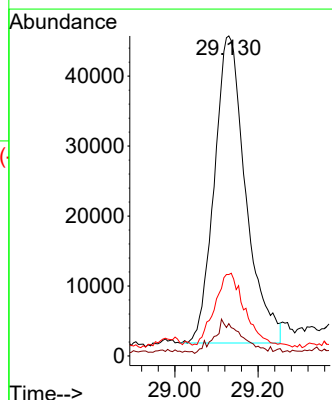
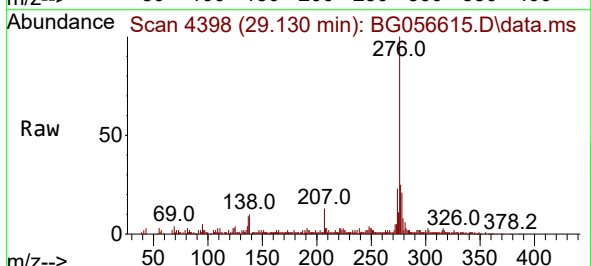
Tgt Ion:276 Resp: 229436

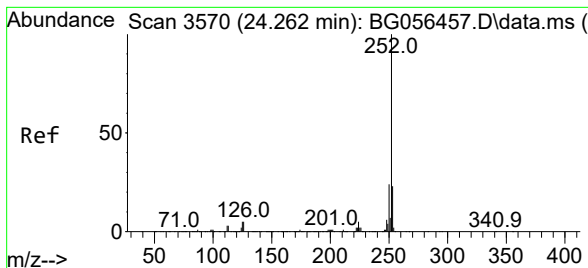
Ion Ratio Lower Upper

276 100

138 0.0 9.4 14.2#

277 23.7 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 40.622 ng

RT: 24.165 min Scan# 3553

Delta R.T. 0.006 min

Lab File: BG056615.D

Acq: 10 Feb 2023 21:26

Instrument :

BNA_G

ClientSampleId :

JPP-55-020823

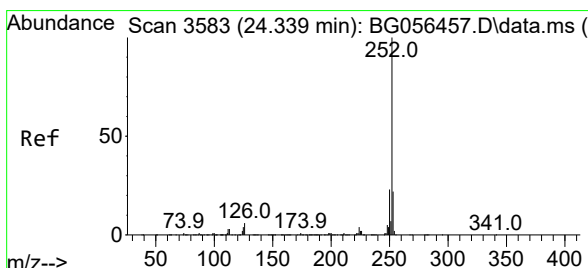
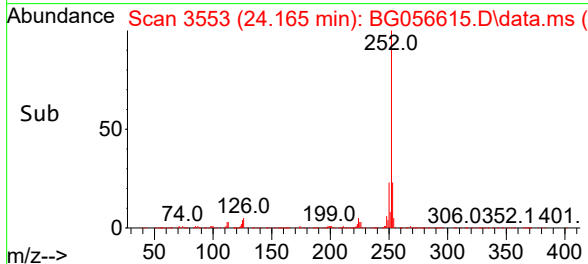
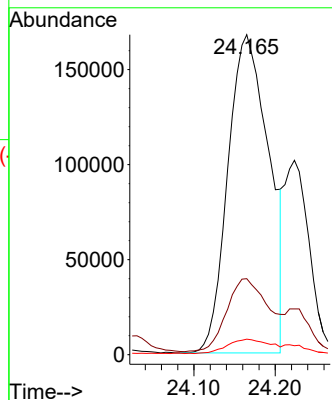
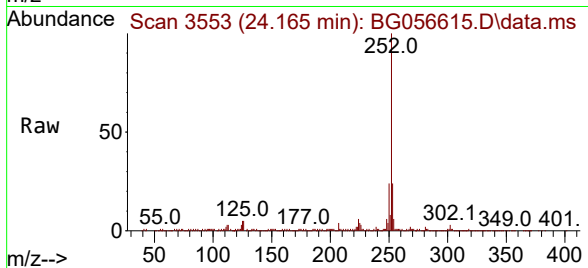
Tgt Ion:252 Resp: 586075

Ion Ratio Lower Upper

252 100

253 23.7 18.1 27.1

125 4.9 3.9 5.9



#89

Benzo(k)fluoranthene

Concen: 40.235 ng

RT: 24.165 min Scan# 3553

Delta R.T. -0.065 min

Lab File: BG056615.D

Acq: 10 Feb 2023 21:26

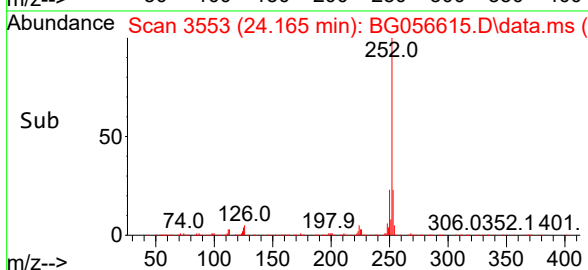
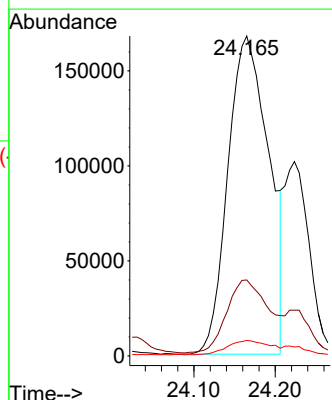
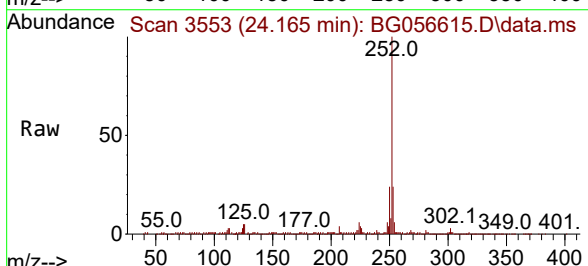
Tgt Ion:252 Resp: 586075

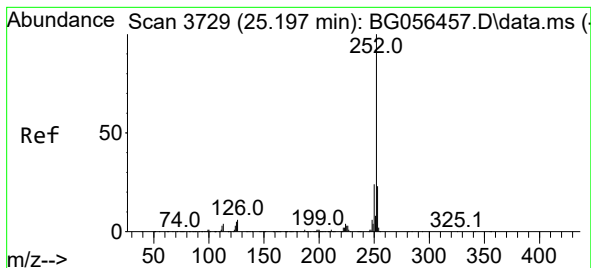
Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 4.9 3.4 5.0





#90

Benzo(a)pyrene

Concen: 32.104 ng

RT: 25.081 min Scan# 31

Delta R.T. -0.000 min

Lab File: BG056615.D

Acq: 10 Feb 2023 21:26

Instrument :

BNA_G

ClientSampleId :

JPP-55-020823

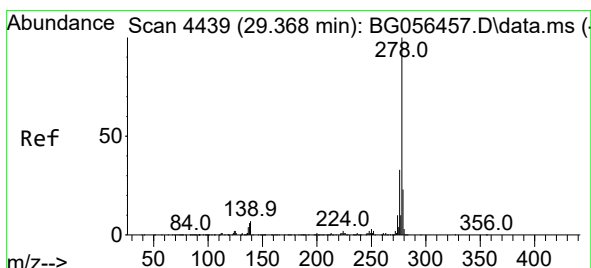
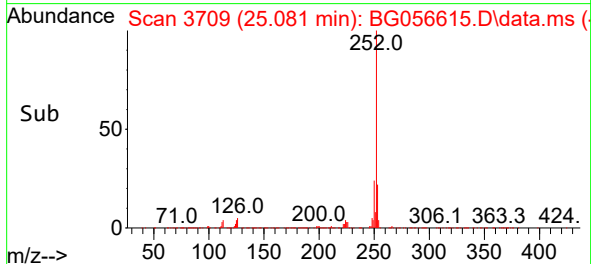
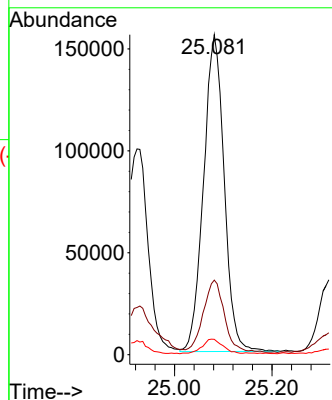
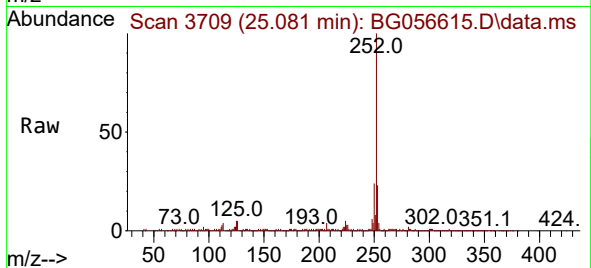
Tgt Ion:252 Resp: 456260

Ion Ratio Lower Upper

252 100

253 23.3 18.4 27.6

125 4.8 4.1 6.1



#91

Dibenzo(a,h)anthracene

Concen: 4.639 ng

RT: 29.171 min Scan# 4405

Delta R.T. -0.012 min

Lab File: BG056615.D

Acq: 10 Feb 2023 21:26

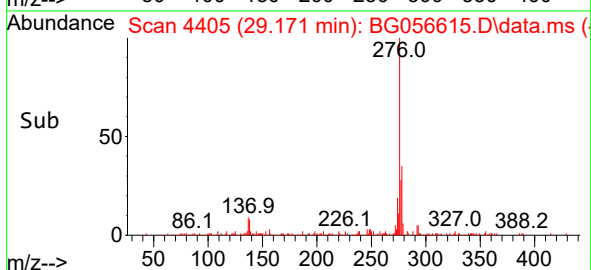
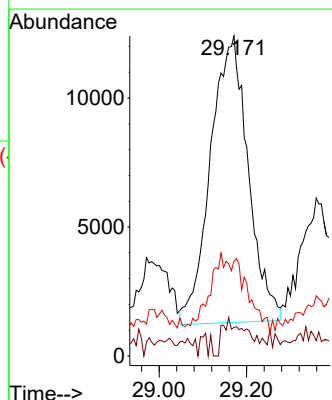
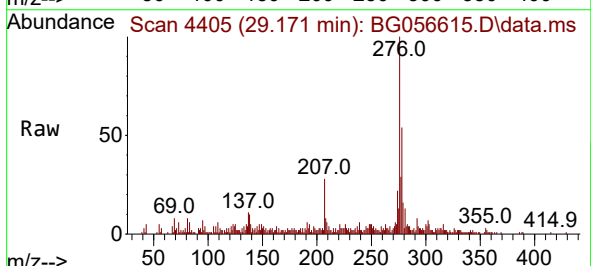
Tgt Ion:278 Resp: 66259

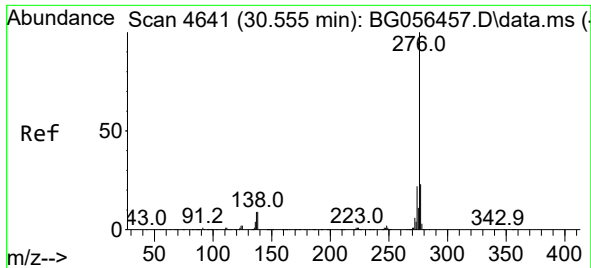
Ion Ratio Lower Upper

278 100

139 9.0 5.5 8.3#

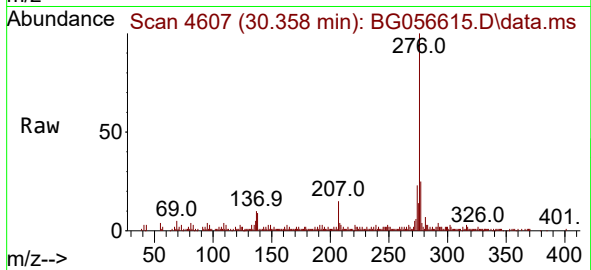
279 29.6 18.8 28.2#





#92
 Benzo(g,h,i)perylene
 Concen: 15.869 ng
 RT: 30.358 min Scan# 4
 Delta R.T. 0.006 min
 Lab File: BG056615.D
 Acq: 10 Feb 2023 21:26

Instrument :
 BNA_G
 ClientSampleId :
 JPP-55-020823



Tgt Ion:276 Resp: 218683
 Ion Ratio Lower Upper
 276 100
 277 24.7 18.5 27.7
 138 8.9 7.4 11.0

