

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

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/13/2023
 Supervised By : Jagrut Upadhyay 02/13/2023

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
31) Naphthalene	11.098	128	20926	2.773	ng	97
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
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	24.224	252	215949m	14.825	ng	
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

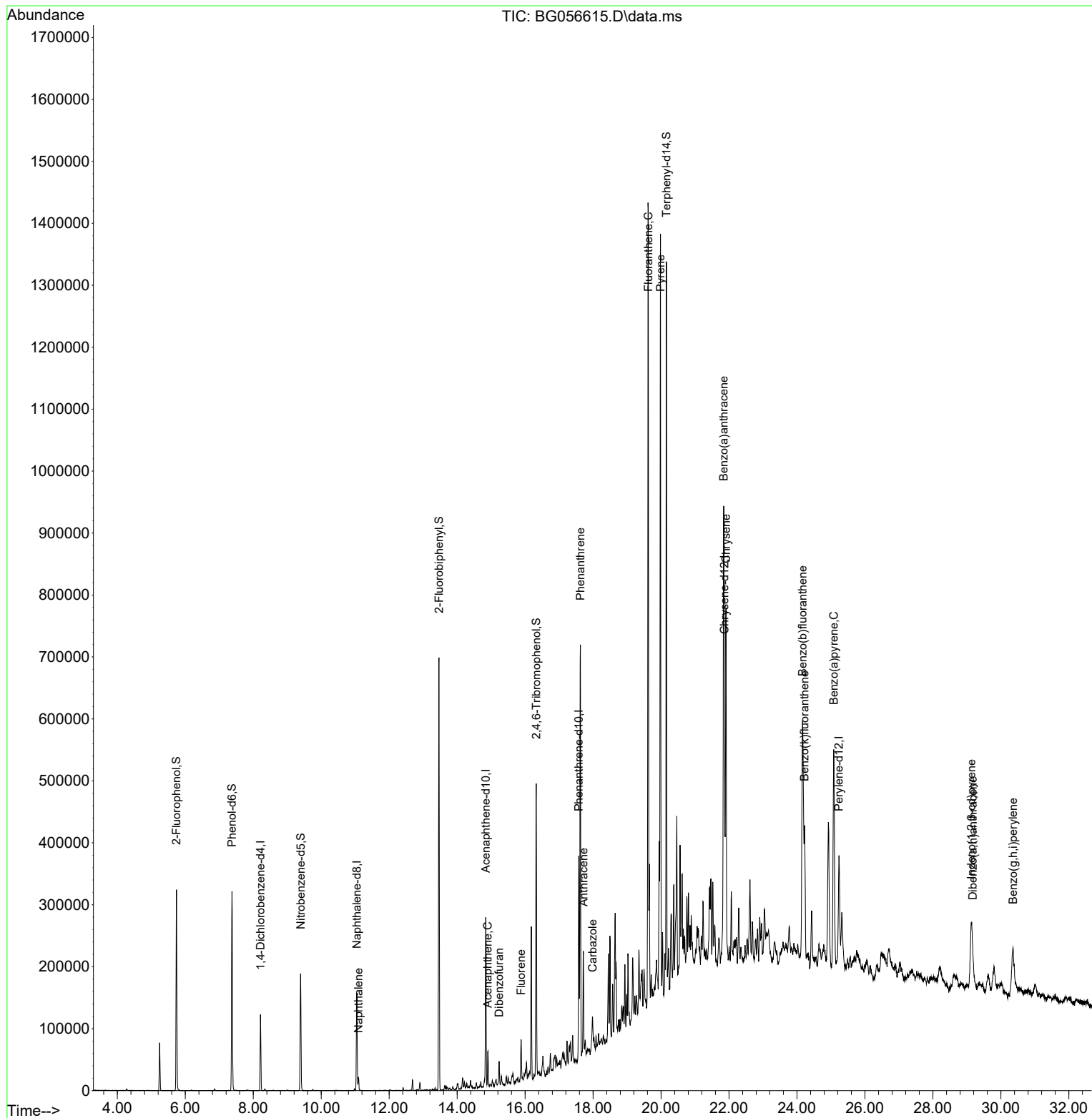
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021023\
Data File : BG056615.D
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Sample : 01510-11
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ALS Vial : 14 Sample Multiplier: 1

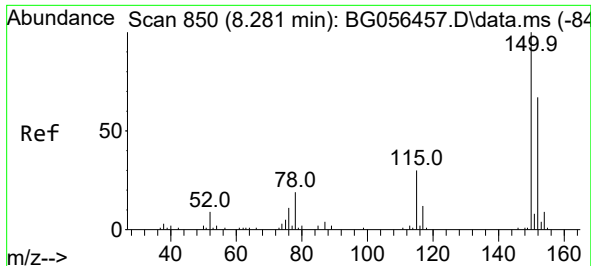
Instrument :
BNA_G
ClientSampleId :
JPP-55-020823

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

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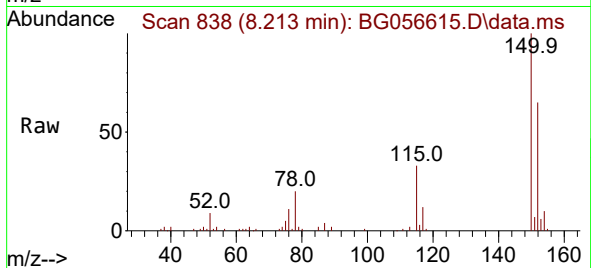
Reviewed By : Christian Giraldo 02/13/2023
Supervised By : Jagrut Upadhyay 02/13/2023





#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

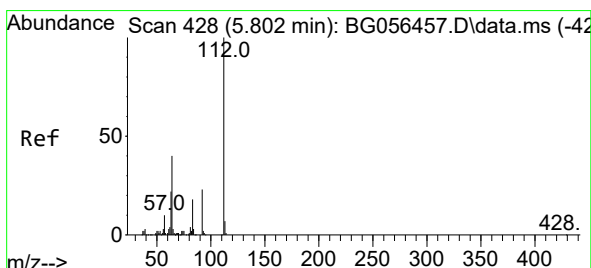
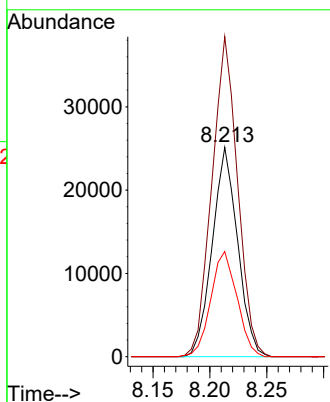
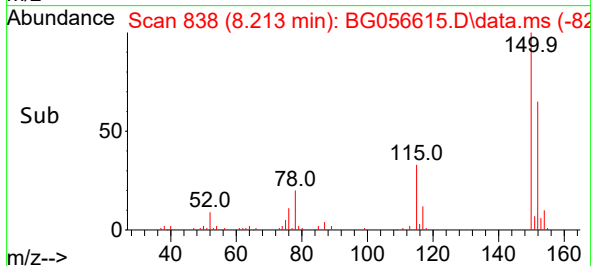
Instrument :
BNA_G
ClientSampleId :
JPP-55-020823



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

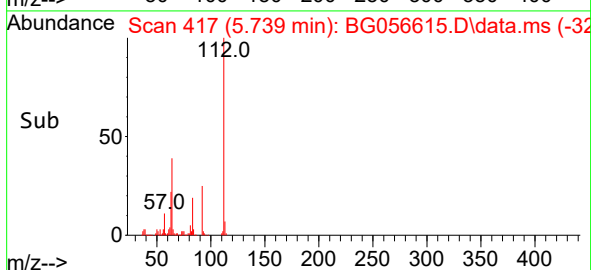
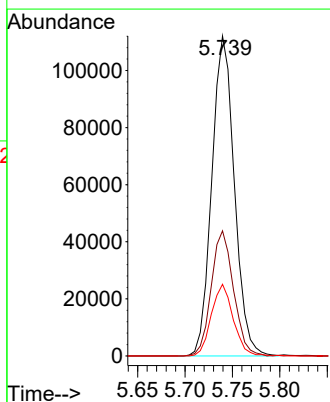
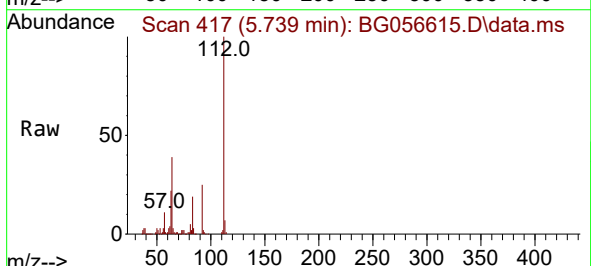
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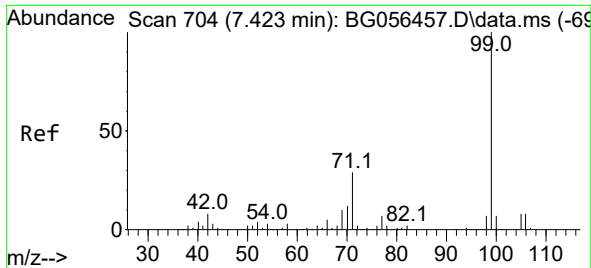
Reviewed By :Christian Giraldo 02/13/2023
Supervised By :Jagrut Upadhyay 02/13/2023



#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





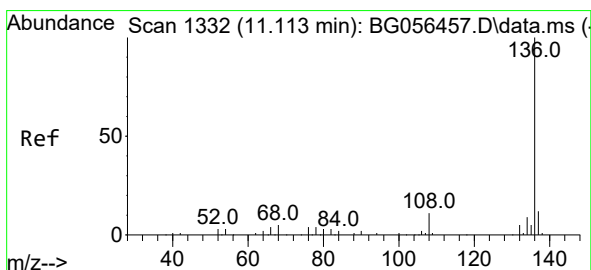
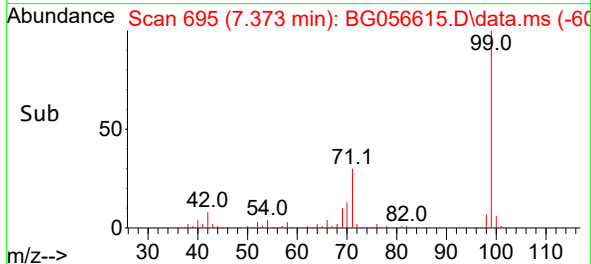
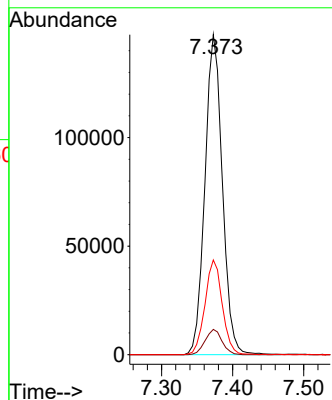
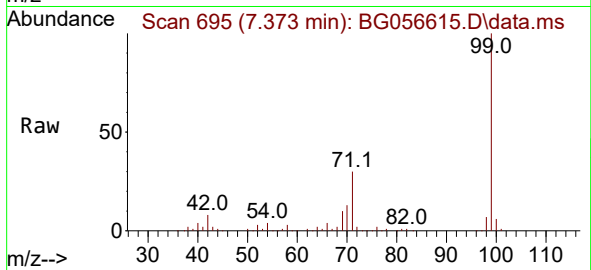
#7
Phenol-d6
Concen: 80.062 ng
RT: 7.373 min Scan# 60
Delta R.T. 0.006 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

Instrument :
BNA_G
ClientSampleId :
JPP-55-020823

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

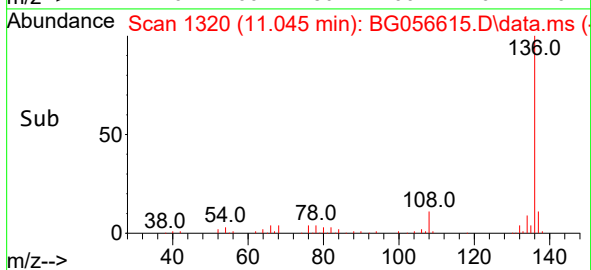
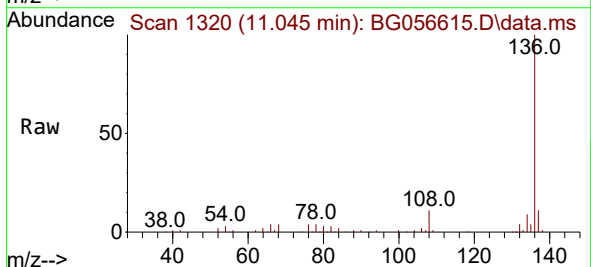
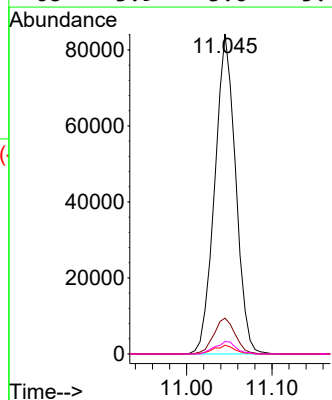
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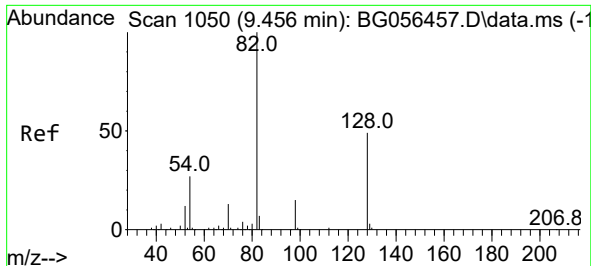
Reviewed By :Christian Giraldo 02/13/2023
Supervised By :Jagrut Upadhyay 02/13/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 1320
Delta R.T. -0.000 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

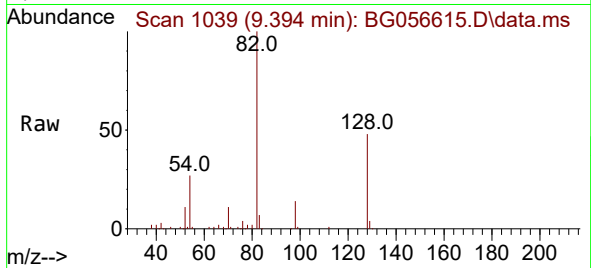
Tgt Ion:136 Resp: 142954
Ion Ratio Lower Upper
136 100
137 11.2 9.4 14.0
54 2.8 2.2 3.4
68 3.9 3.6 5.4





#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

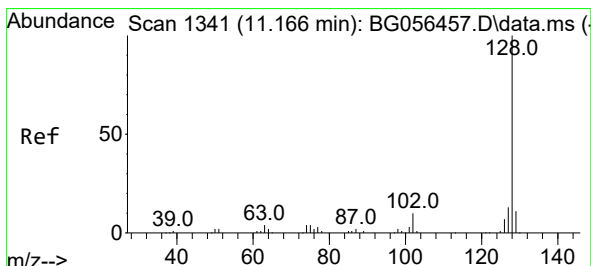
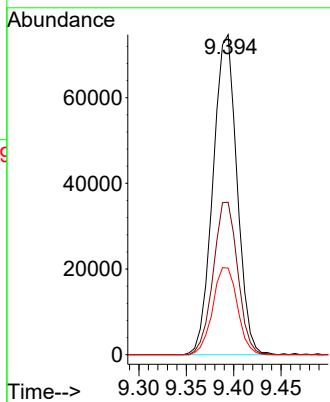
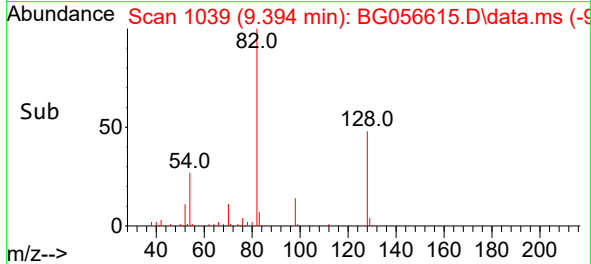
Instrument :
BNA_G
ClientSampleId :
JPP-55-020823



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

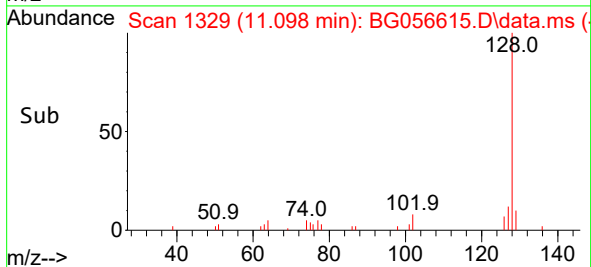
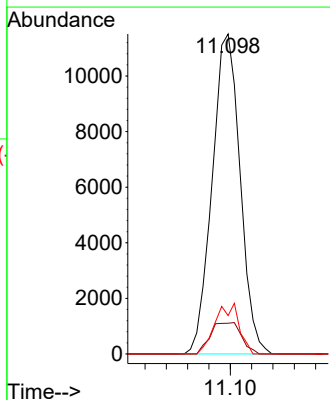
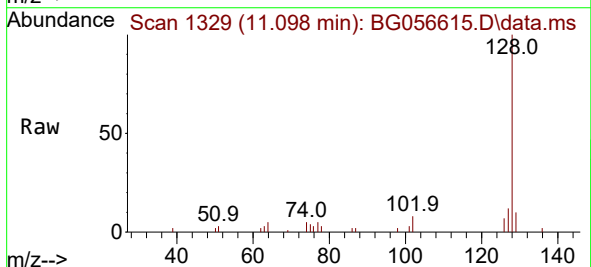
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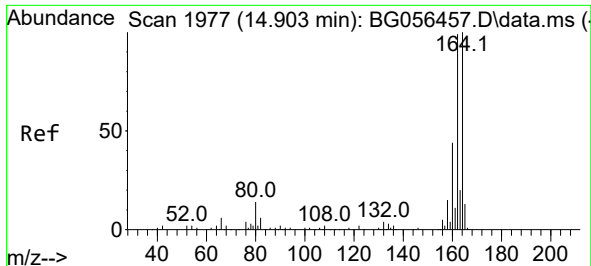
Reviewed By :Christian Giraldo 02/13/2023
Supervised By :Jagrut Upadhyay 02/13/2023



#31
Naphthalene
Concen: 2.773 ng
RT: 11.098 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

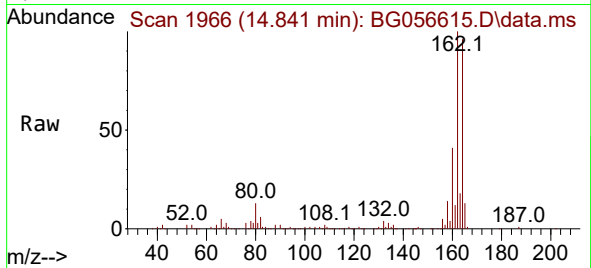
Tgt Ion:128 Resp: 20926
Ion Ratio Lower Upper
128 100
129 9.6 8.7 13.1
127 12.0 10.4 15.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.841 min Scan# 1977
Delta R.T. -0.000 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

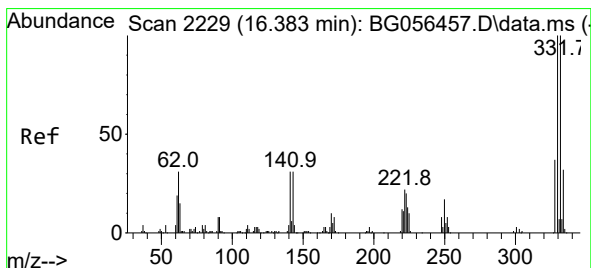
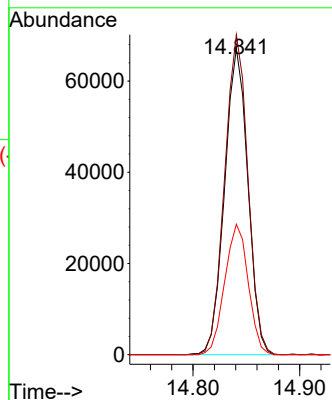
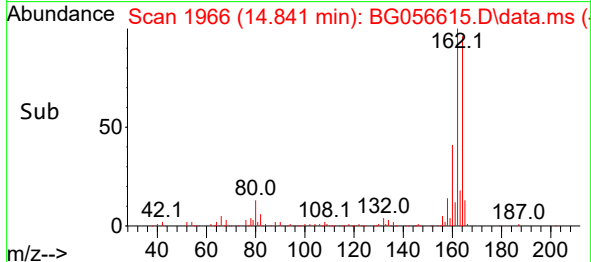
Instrument :
BNA_G
ClientSampleId :
JPP-55-020823



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

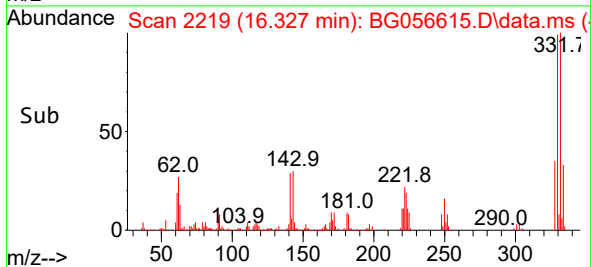
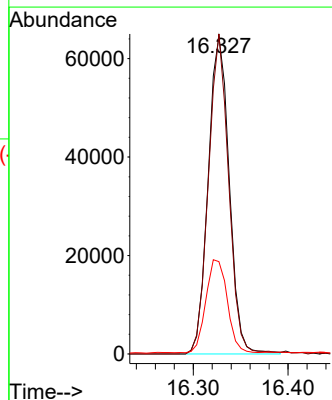
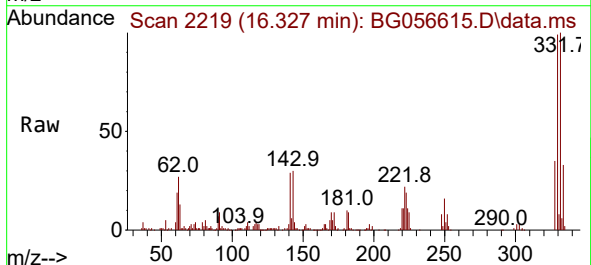
Manual Integrations
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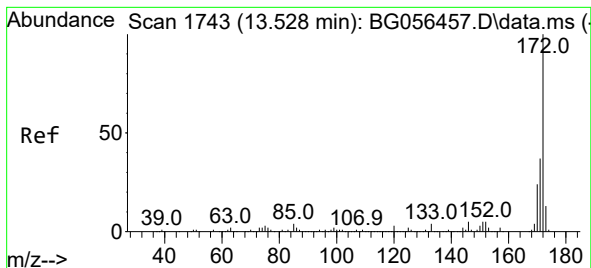
Reviewed By :Christian Giraldo 02/13/2023
Supervised By :Jagrut Upadhyay 02/13/2023



#42
2,4,6-Tribromophenol
Concen: 73.726 ng
RT: 16.327 min Scan# 2219
Delta R.T. -0.000 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

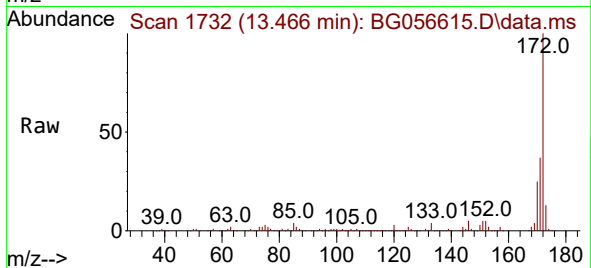
Tgt Ion:330 Resp: 99587
Ion Ratio Lower Upper
330 100
332 96.8 79.0 118.6
141 29.6 24.2 36.4





#45
2-Fluorobiphenyl
Concen: 55.792 ng
RT: 13.466 min Scan# 1743
Delta R.T. -0.000 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

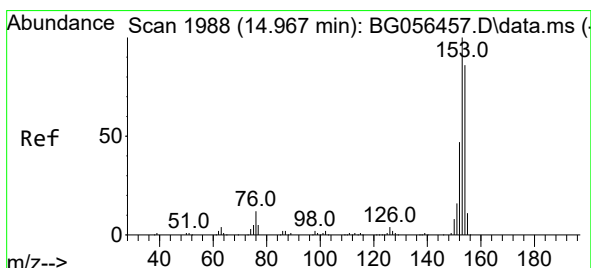
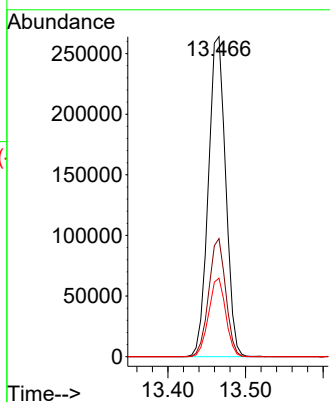
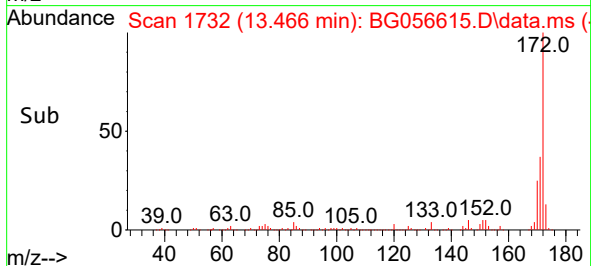
Instrument :
BNA_G
ClientSampleId :
JPP-55-020823



Tgt Ion:172 Resp: 40887
Ion Ratio Lower Upper
172 100
171 36.9 29.5 44.3
170 24.6 19.2 28.8

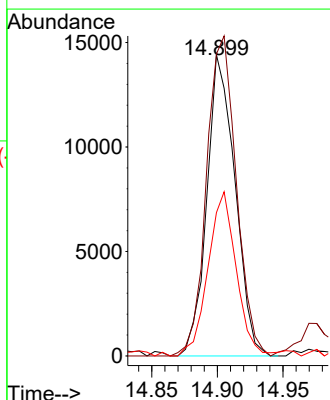
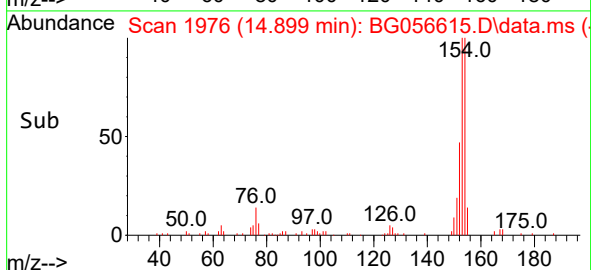
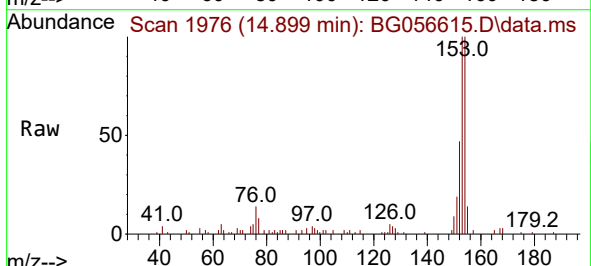
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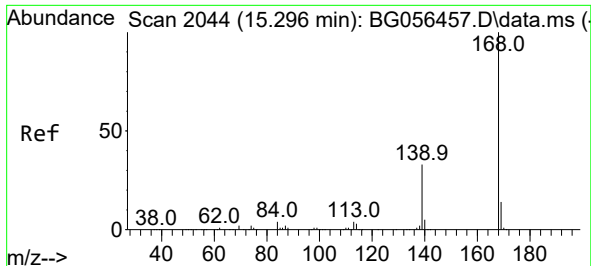
Reviewed By :Christian Giraldo 02/13/2023
Supervised By :Jagrut Upadhyay 02/13/2023



#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

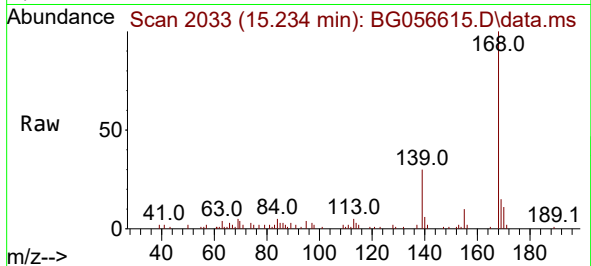
Tgt Ion:154 Resp: 21543
Ion Ratio Lower Upper
154 100
153 100.2 93.4 140.0
152 47.6 43.4 65.2





#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

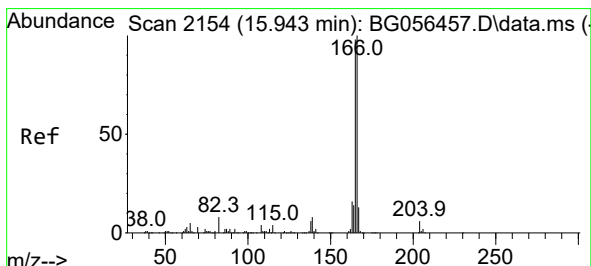
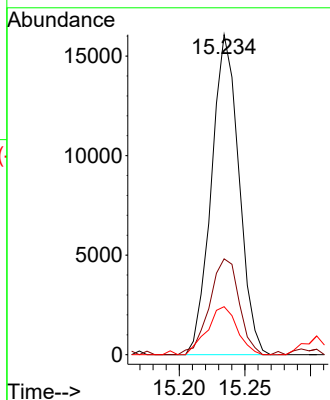
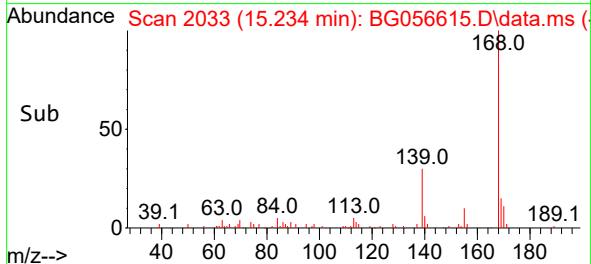
Instrument :
BNA_G
ClientSampleId :
JPP-55-020823



Tgt Ion:168 Resp: 23450
Ion Ratio Lower Upper
168 100
139 29.9 26.2 39.2
169 15.0 11.0 16.6

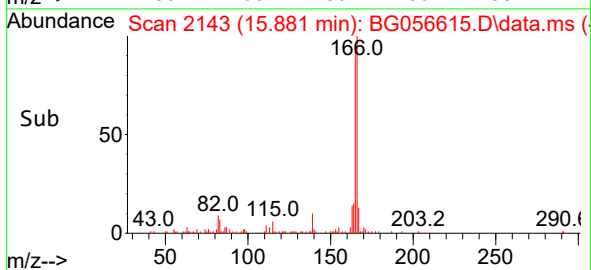
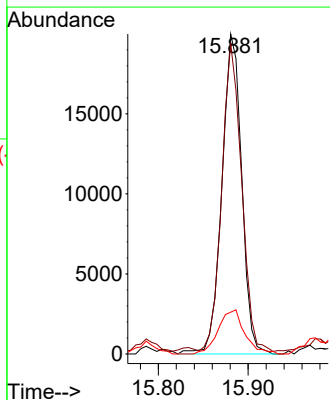
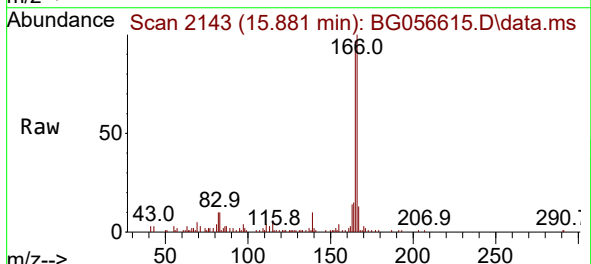
Manual Integrations
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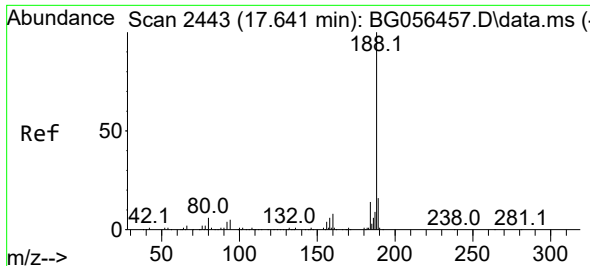
Reviewed By :Christian Giraldo 02/13/2023
Supervised By :Jagrut Upadhyay 02/13/2023



#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





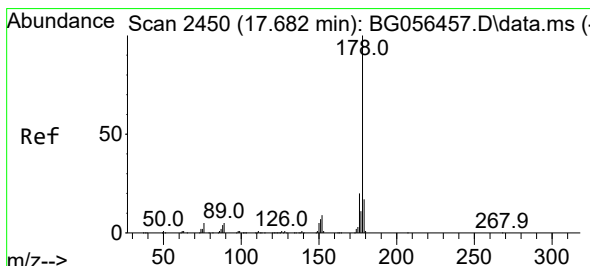
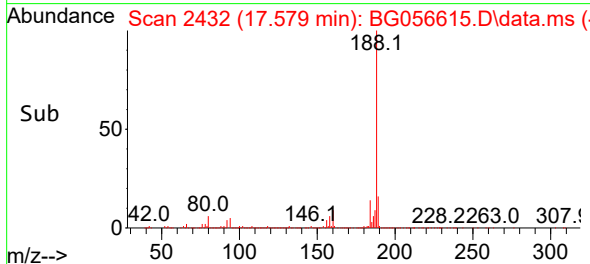
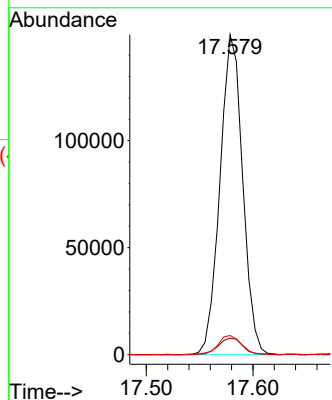
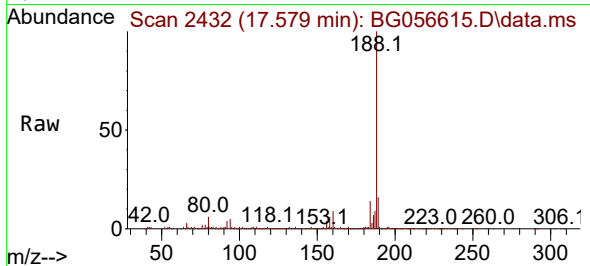
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.579 min Scan# 2443
Delta R.T. -0.006 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26

Instrument :
BNA_G
ClientSampleId :
JPP-55-020823

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

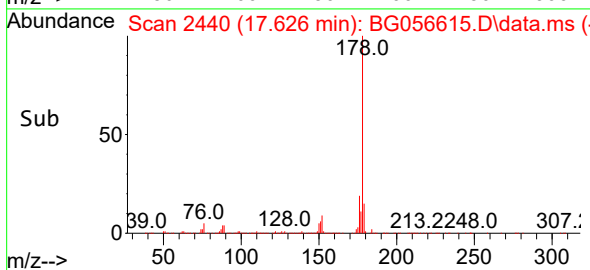
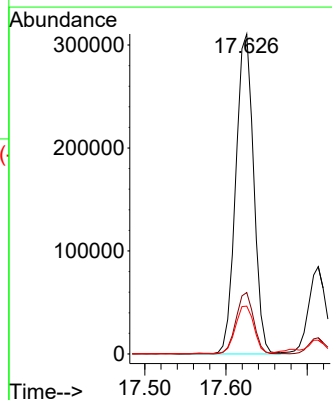
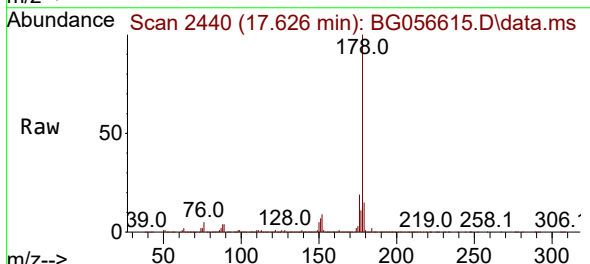
Manual Integrations
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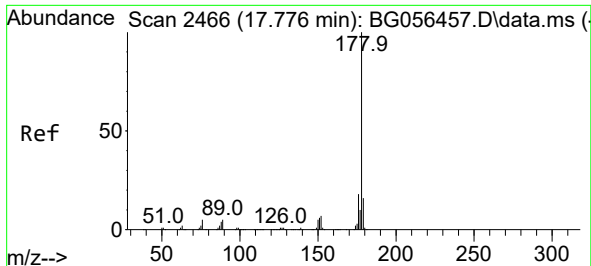
Reviewed By :Christian Giraldo 02/13/2023
Supervised By :Jagrut Upadhyay 02/13/2023



#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

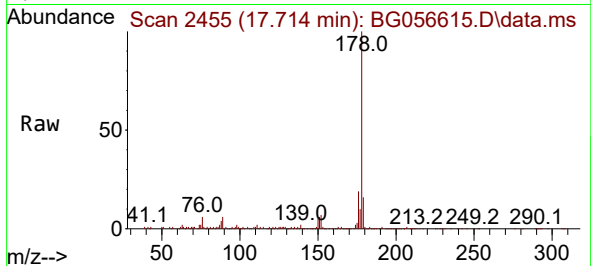
Tgt Ion:178 Resp: 473813
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.0 13.3 19.9





#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

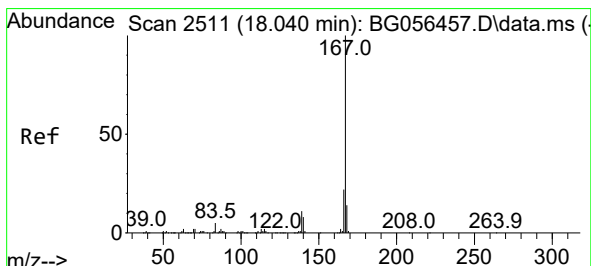
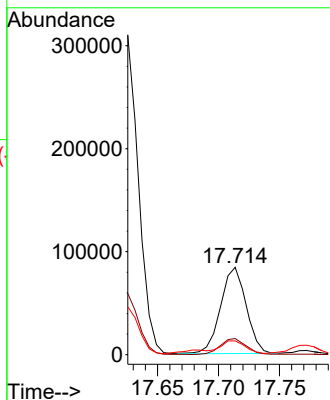
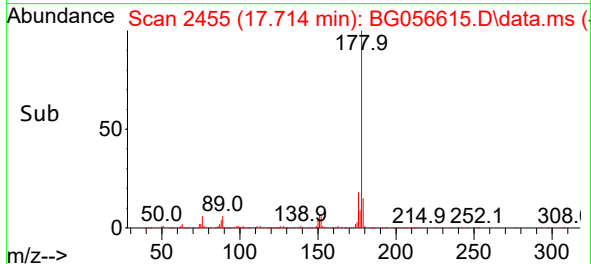
Instrument :
 BNA_G
 ClientSampleId :
 JPP-55-020823



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

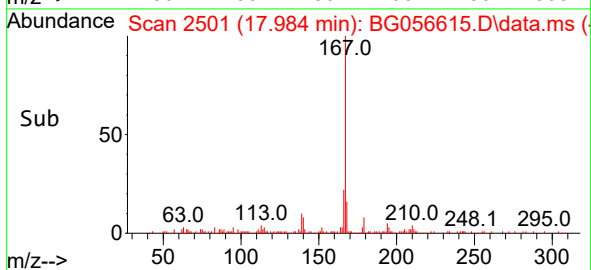
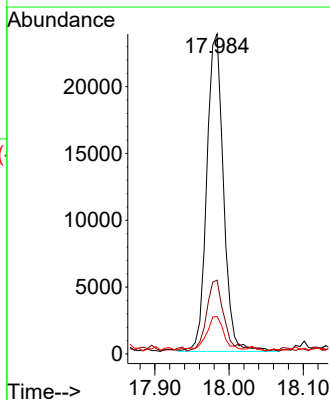
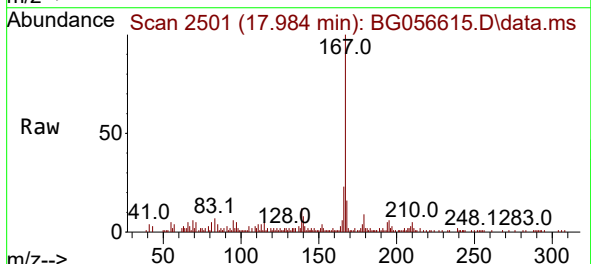
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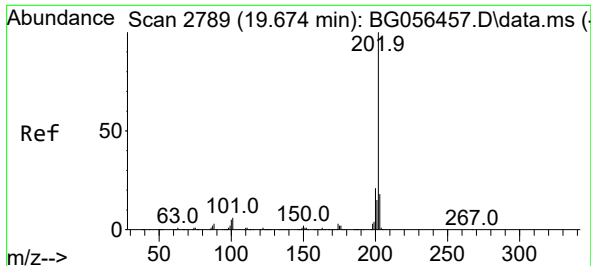
Reviewed By :Christian Giraldo 02/13/2023
 Supervised By :Jagrut Upadhyay 02/13/2023



#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

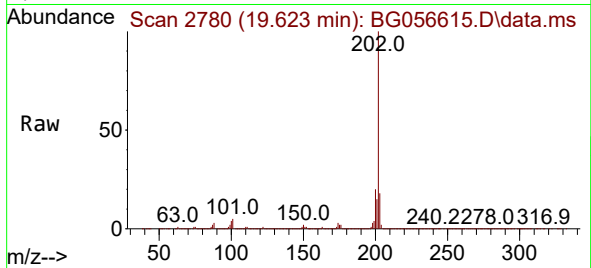
Tgt Ion:167 Resp: 37149
 Ion Ratio Lower Upper
 167 100
 166 23.0 17.8 26.6
 139 11.7 8.9 13.3





#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

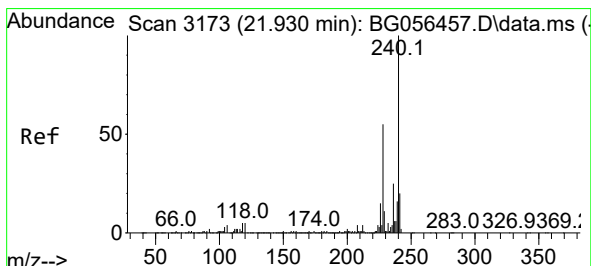
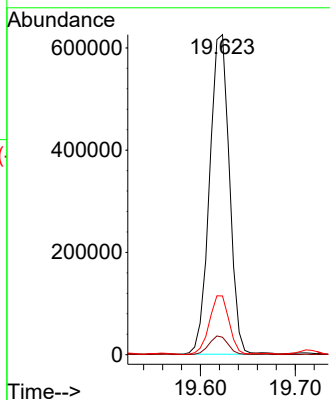
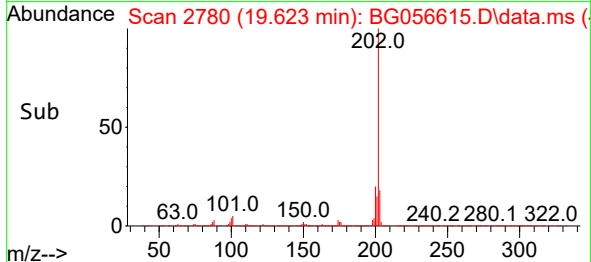
Instrument :
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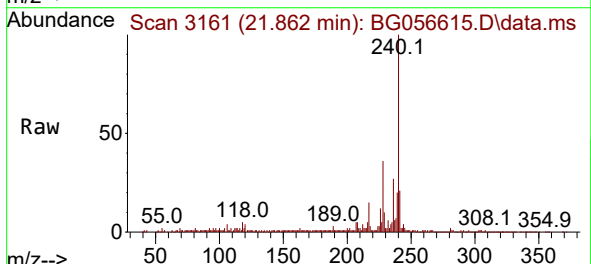
Tgt Ion:202 Resp: 906170
Ion Ratio Lower Upper
202 100
101 5.5 0.0 25.6
203 18.3 0.0 38.1

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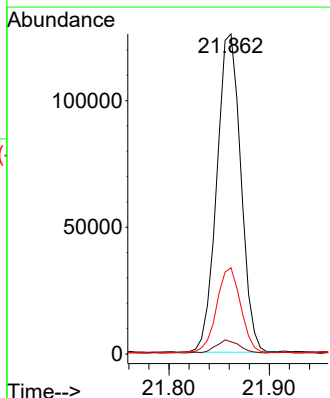
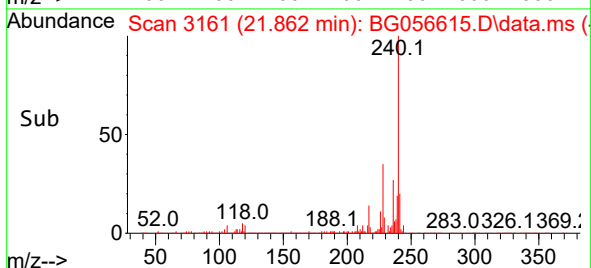
Reviewed By :Christian Giraldo 02/13/2023
Supervised By :Jagrut Upadhyay 02/13/2023

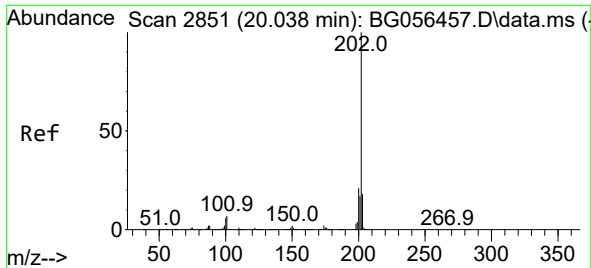


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.862 min Scan# 3161
Delta R.T. -0.000 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26



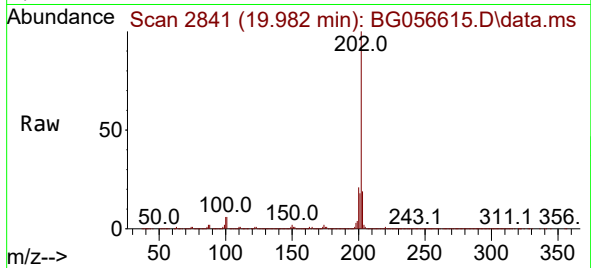
Tgt Ion:240 Resp: 209311
Ion Ratio Lower Upper
240 100
120 3.8 3.8 5.8#
236 27.0 20.2 30.2





#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

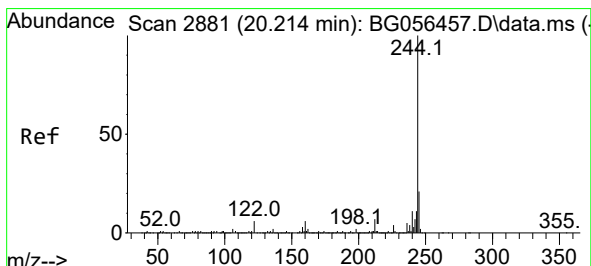
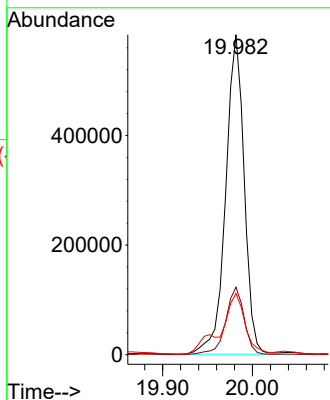
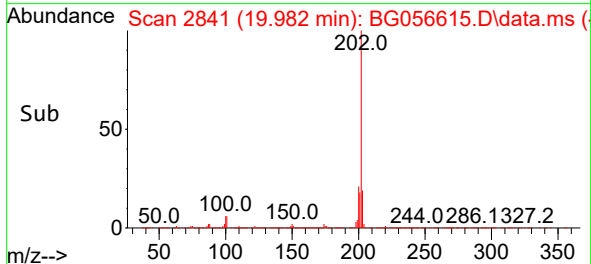
Instrument :
BNA_G
ClientSampleId :
JPP-55-020823



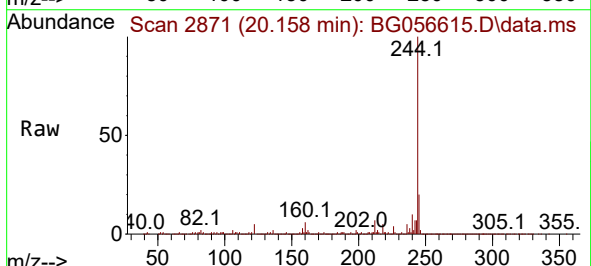
Tgt Ion:202 Resp: 833309
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 19.2 14.4 21.6

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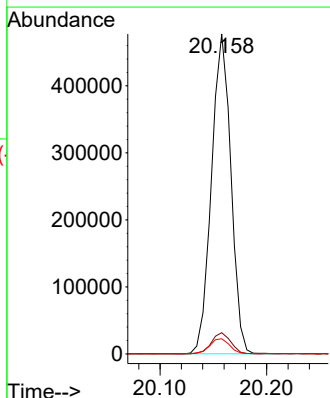
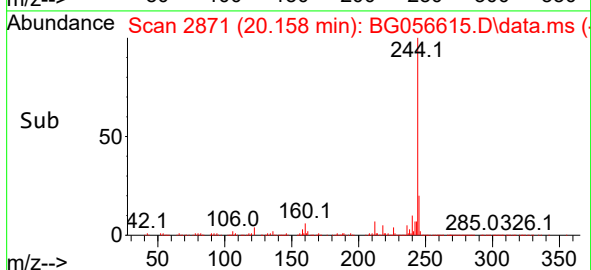
Reviewed By :Christian Giraldo 02/13/2023
Supervised By :Jagrut Upadhyay 02/13/2023

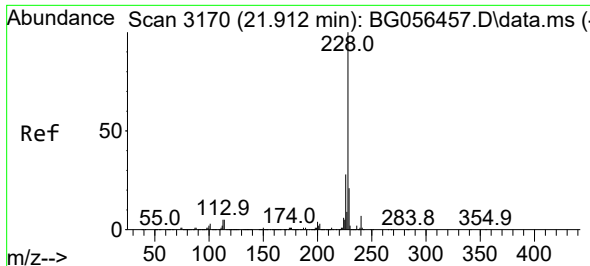


#79
Terphenyl-d14
Concen: 50.586 ng
RT: 20.158 min Scan# 2871
Delta R.T. -0.000 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26



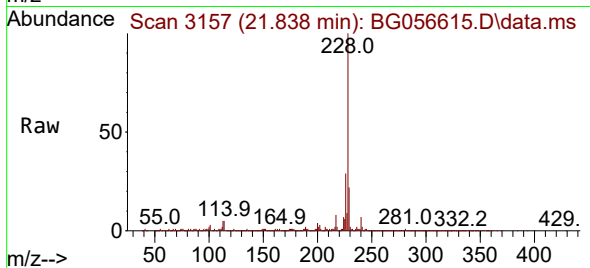
Tgt Ion:244 Resp: 602846
Ion Ratio Lower Upper
244 100
212 6.6 5.5 8.3
122 4.7 4.4 6.6





#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

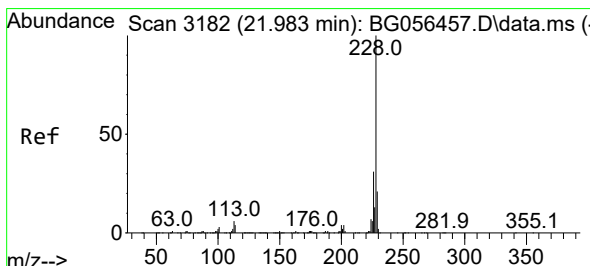
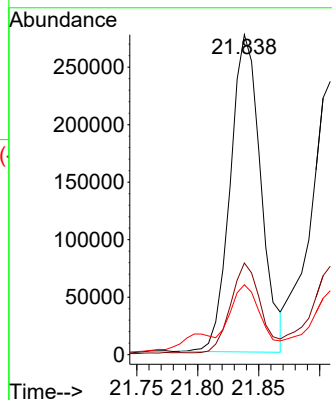
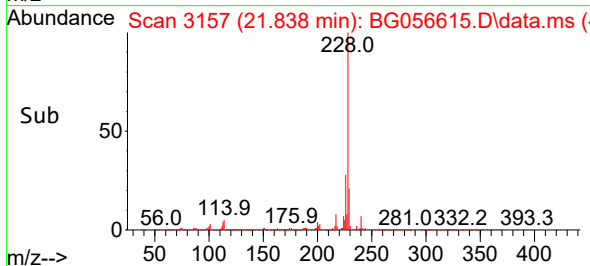
Instrument :
BNA_G
ClientSampleId :
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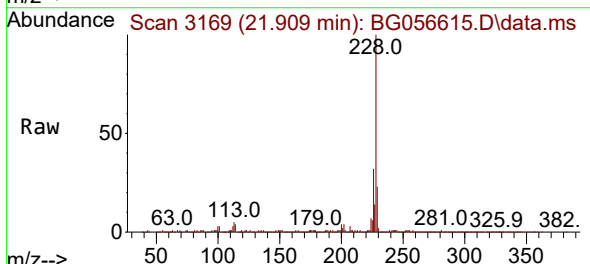
Tgt Ion:228 Resp: 480562
Ion Ratio Lower Upper
228 100
226 28.7 22.4 33.6
229 21.8 16.5 24.7

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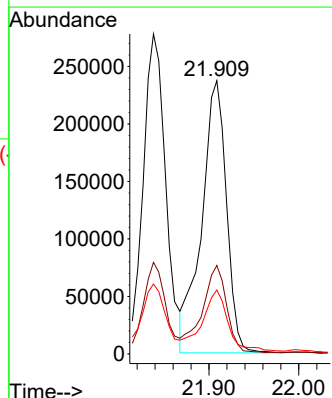
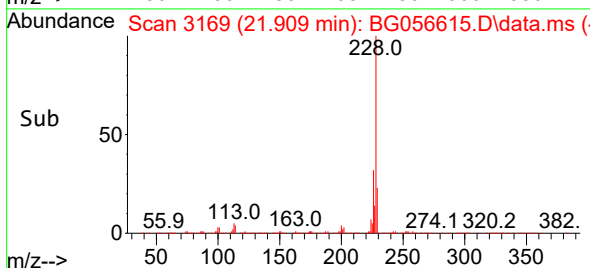
Reviewed By :Christian Giraldo 02/13/2023
Supervised By :Jagrut Upadhyay 02/13/2023

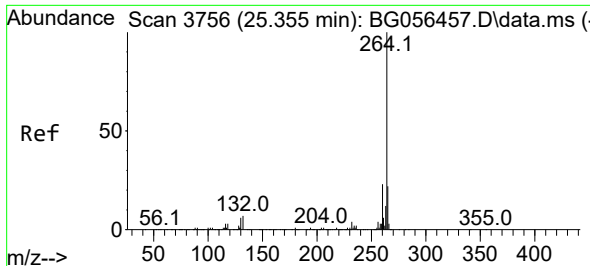


#83
Chrysene
Concen: 33.156 ng
RT: 21.909 min Scan# 3169
Delta R.T. -0.000 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26



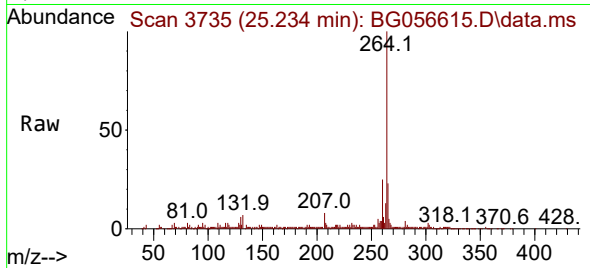
Tgt Ion:228 Resp: 455811
Ion Ratio Lower Upper
228 100
226 32.4 25.0 37.4
229 23.4 16.4 24.6





#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

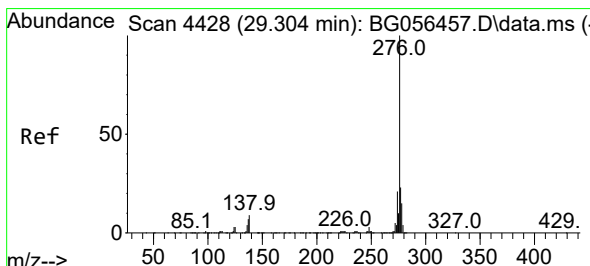
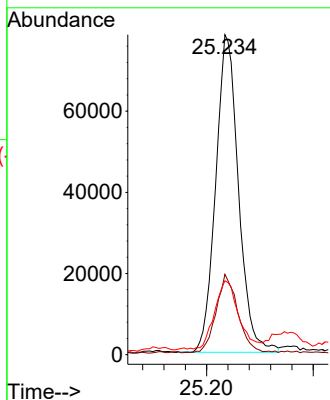
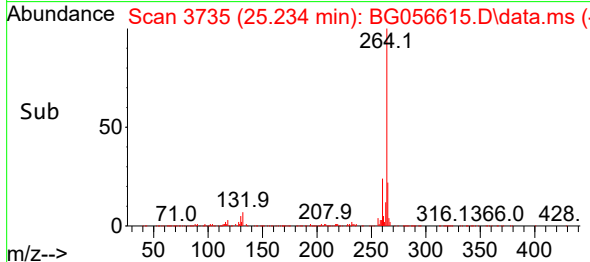
Instrument :
BNA_G
ClientSampleId :
JPP-55-020823



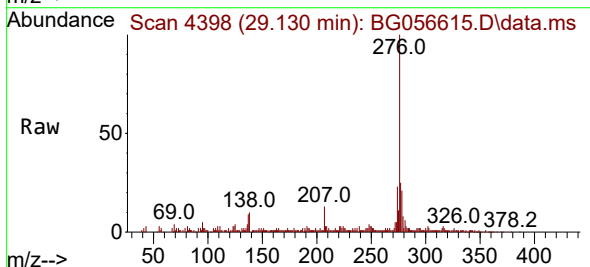
Tgt Ion:264 Resp: 232440
Ion Ratio Lower Upper
264 100
260 25.1 18.2 27.4
265 23.1 18.1 27.1

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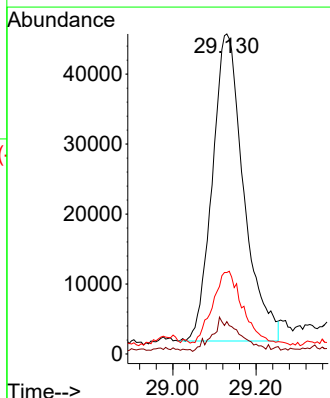
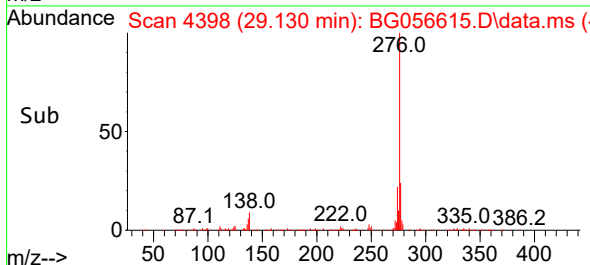
Reviewed By :Christian Giraldo 02/13/2023
Supervised By :Jagrut Upadhyay 02/13/2023

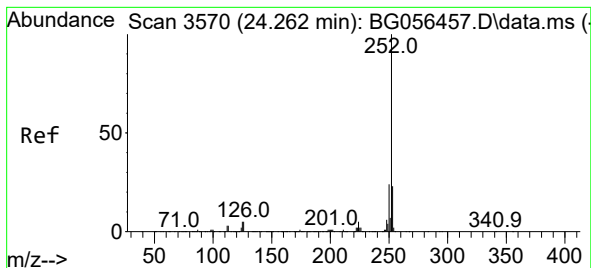


#87
Indeno(1,2,3-cd)pyrene
Concen: 13.484 ng
RT: 29.130 min Scan# 4398
Delta R.T. -0.000 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26



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 :

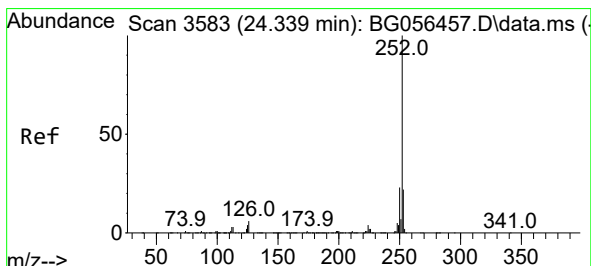
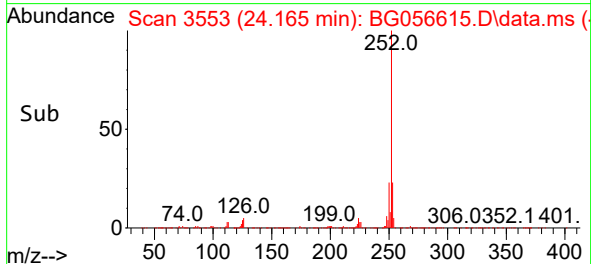
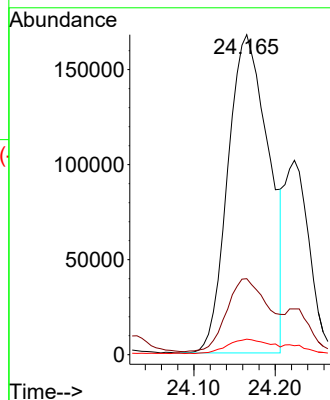
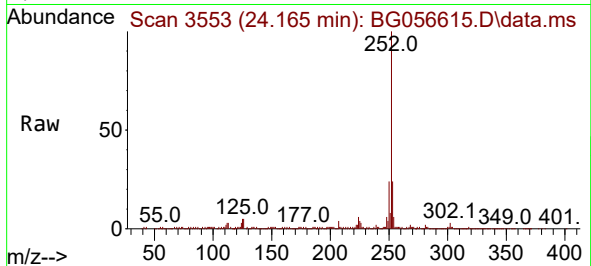
JPP-55-020823

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

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 Supervised By :Jagrut Upadhyay 02/13/2023



#89

Benzo(k)fluoranthene

Concen: 14.825 ng m

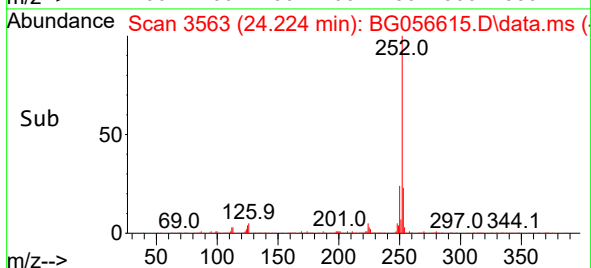
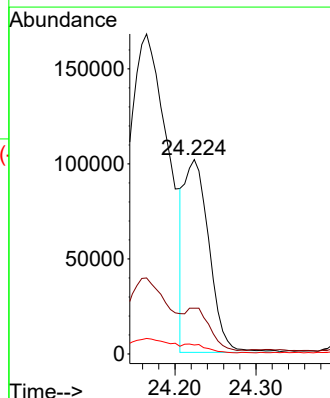
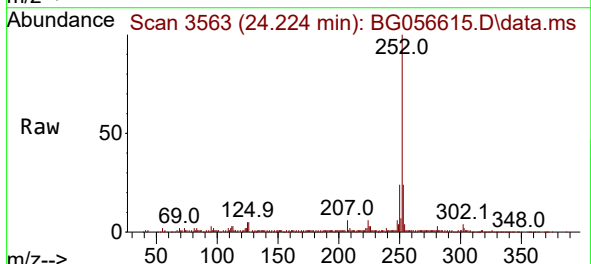
RT: 24.224 min Scan# 3563

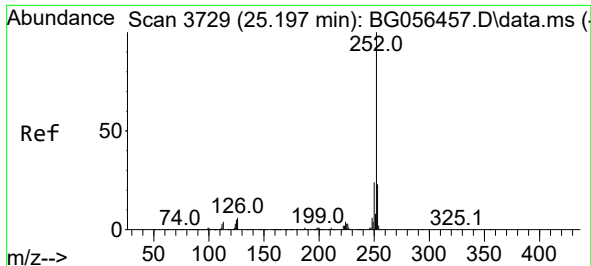
Delta R.T. -0.006 min

Lab File: BG056615.D

Acq: 10 Feb 2023 21:26

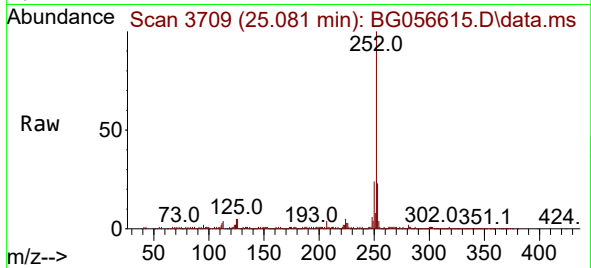
Tgt Ion:252 Resp: 215949
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.5 26.3
 125 4.6 3.4 5.0





#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

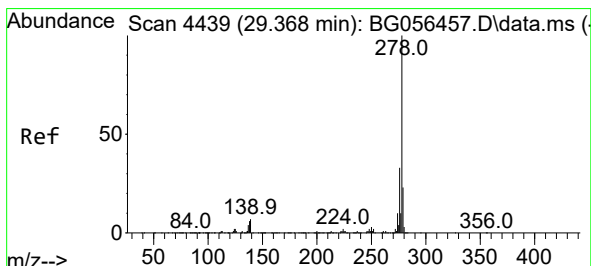
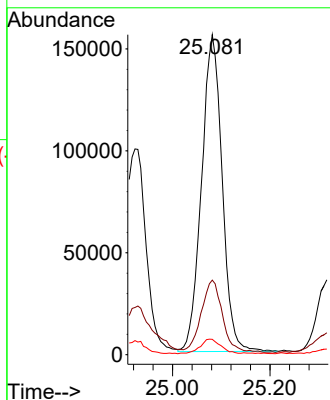
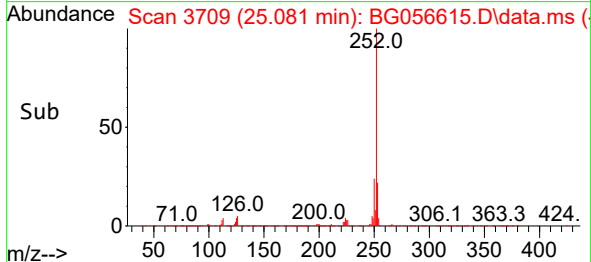
Instrument :
BNA_G
ClientSampleId :
JPP-55-020823



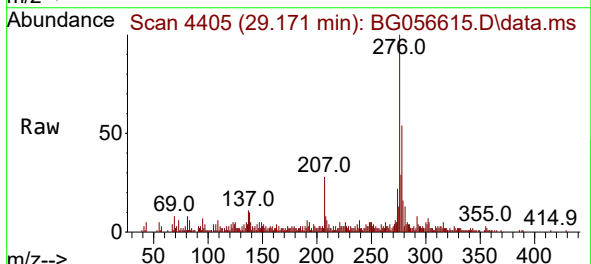
Tgt Ion:252 Resp: 456260
Ion Ratio Lower Upper
252 100
253 23.3 18.4 27.6
125 4.8 4.1 6.1

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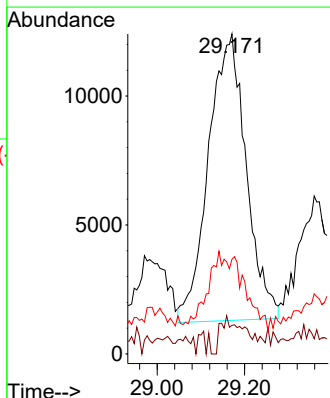
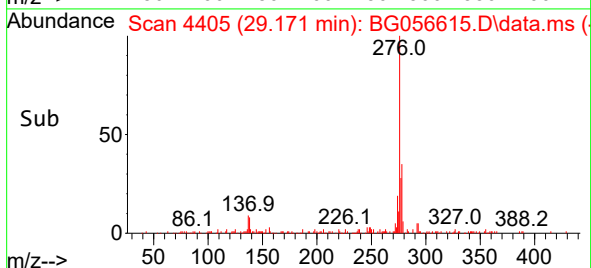
Reviewed By :Christian Giraldo 02/13/2023
Supervised By :Jagrut Upadhyay 02/13/2023

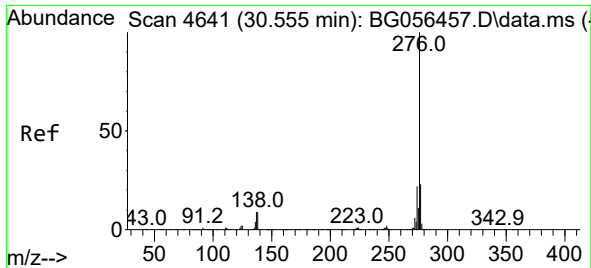


#91
Dibenzo(a,h)anthracene
Concen: 4.639 ng
RT: 29.171 min Scan# 4405
Delta R.T. -0.012 min
Lab File: BG056615.D
Acq: 10 Feb 2023 21:26



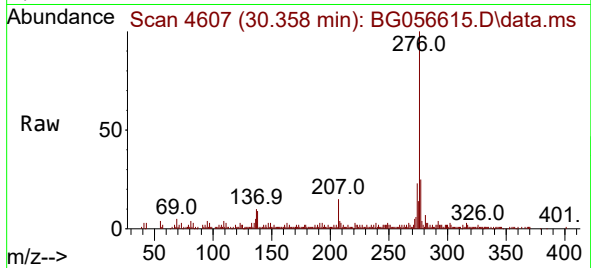
Tgt Ion:278 Resp: 66259
Ion Ratio Lower Upper
278 100
139 9.0 5.5 8.3#
279 29.6 18.8 28.2#





#92
 Benzo(g,h,i)perylene
 Concen: 15.869 ng
 RT: 30.358 min Scan# 4607
 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: 21868
 Ion Ratio Lower Upper
 276 100
 277 24.7 18.5 27.7
 138 8.9 7.4 11.0

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 Supervised By :Jagrut Upadhyay 02/13/2023

