

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
 Data File : BG055848.D
 Acq On : 30 Nov 2022 19:12
 Operator : CG/JU
 Sample : N5793-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-40-SB01

Quant Time: Dec 01 03:23:50 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 01 02:10:33 2022
 Response via : Initial Calibration

Manual Integrations
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Reviewed By : Christian Giraldo 12/01/2022
 Supervised By : Jagrut Upadhyay 12/01/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.224	152	38661	20.000	ng	0.00
21) Naphthalene-d8	11.056	136	155317	20.000	ng	0.00
39) Acenaphthene-d10	14.851	164	105653	20.000	ng	0.00
64) Phenanthrene-d10	17.589	188	218930	20.000	ng	0.00
76) Chrysene-d12	21.884	240	213578	20.000	ng	0.00
86) Perylene-d12	25.280	264	231057	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.762	112	179223	83.792	ng	0.01
7) Phenol-d6	7.384	99	264261	92.814	ng	0.01
23) Nitrobenzene-d5	9.393	82	97895	33.314	ng	0.00
42) 2,4,6-Tribromophenol	16.338	330	87310	58.687	ng	0.01
45) 2-Fluorobiphenyl	13.471	172	420893	59.681	ng	0.00
79) Terphenyl-d14	20.175	244	599473	56.140	ng	0.00
Target Compounds						Qvalue
38) 1-Methylnaphthalene	12.907	142	14824	2.429	ng	99
49) Acenaphthylene	14.575	152	35470	3.599	ng	96
52) Acenaphthene	14.916	154	18063	2.805	ng	93
58) Fluorene	15.891	166	36151	4.556	ng	96
71) Phenanthrene	17.636	178	411912	34.865	ng	99
72) Anthracene	17.724	178	89479	7.795	ng	97
75) Fluoranthene	19.634	202	448172	31.181	ng	98
78) Pyrene	19.998	202	757815	52.420	ng	97
81) Benzo(a)anthracene	21.867	228	313825	21.334	ng	95
83) Chrysene	21.931	228	322395m	23.021	ng	
87) Indeno(1,2,3-cd)pyrene	29.193	276	165380	8.737	ng	# 93
88) Benzo(b)fluoranthene	24.199	252	341589	22.700	ng	# 95
89) Benzo(k)fluoranthene	24.258	252	106430m	7.096	ng	
90) Benzo(a)pyrene	25.122	252	317502	24.588	ng	97
91) Dibenzo(a,h)anthracene	29.223	278	48877	3.160	ng	# 77
92) Benzo(g,h,i)perylene	30.415	276	184038	11.805	ng	97

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

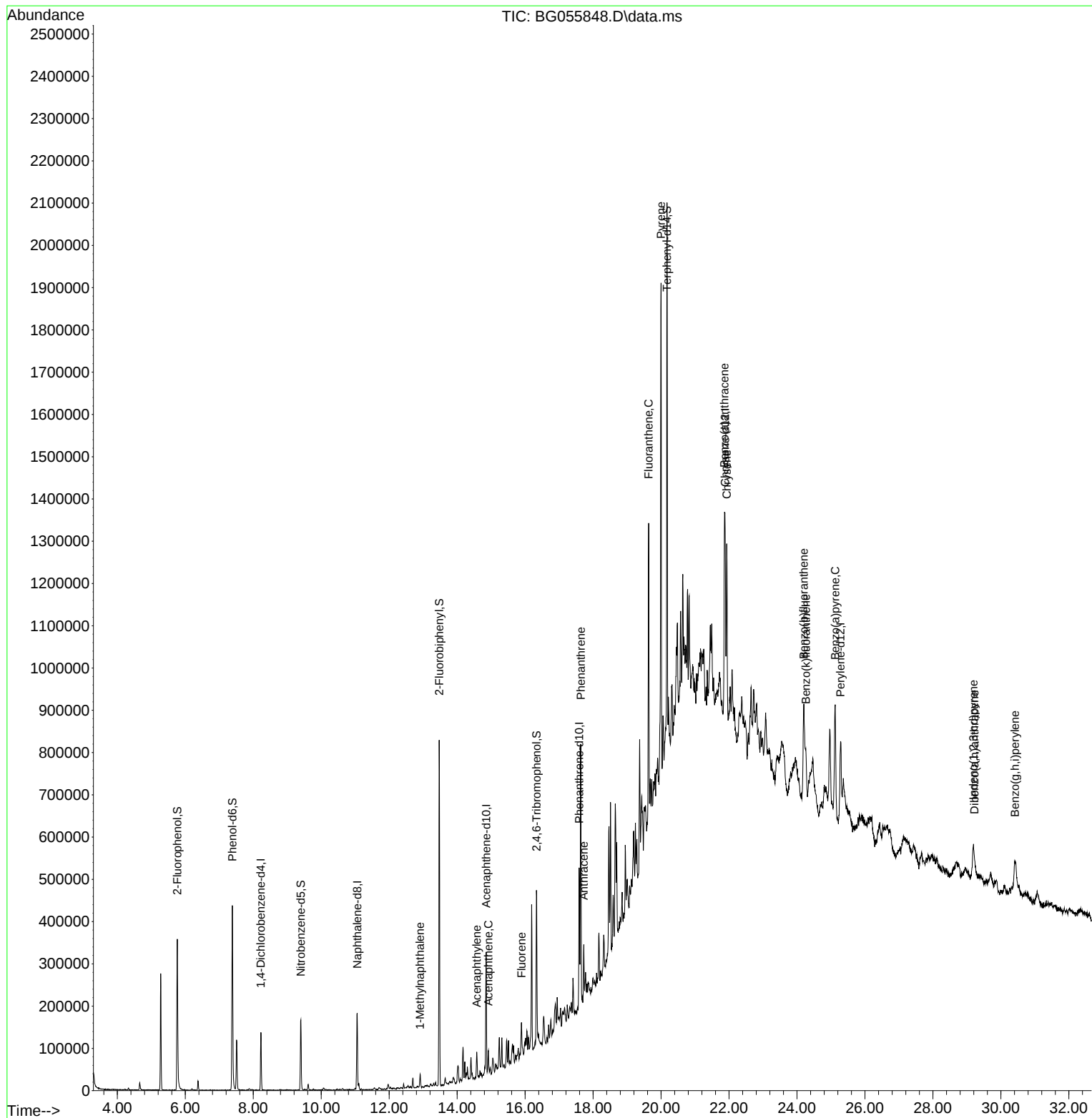
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
Data File : BG055848.D
Acq On : 30 Nov 2022 19:12
Operator : CG/JU
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Instrument :
BNA_G
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Quant Time: Dec 01 03:23:50 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 01 02:10:33 2022
Response via : Initial Calibration

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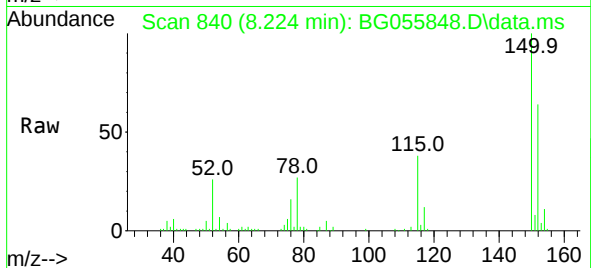
Reviewed By : Christian Giraldo 12/01/2022
Supervised By : Jagrut Upadhyay 12/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.224 min Scan# 845
Delta R.T. 0.005 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

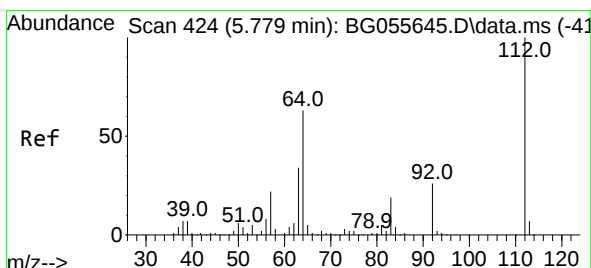
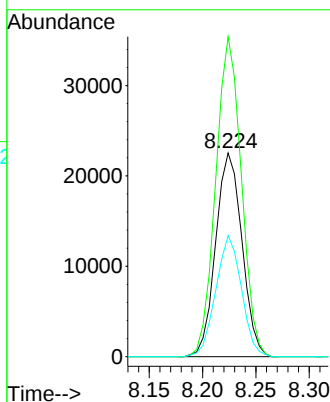
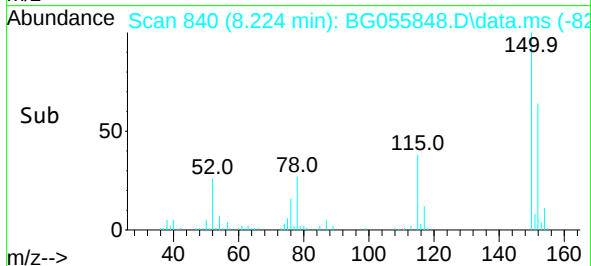
Instrument :
BNA_G
ClientSampleId :
B-40-SB01



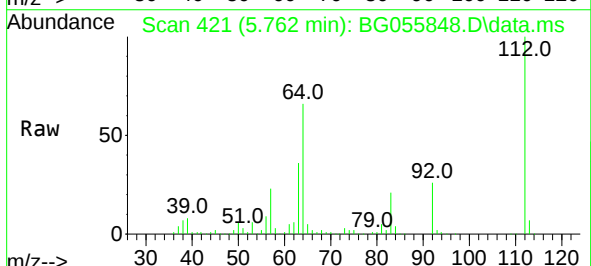
Tgt Ion:152 Resp: 3866
Ion Ratio Lower Upper
152 100
150 157.1 123.0 184.6
115 59.5 47.0 70.4

Manual Integrations
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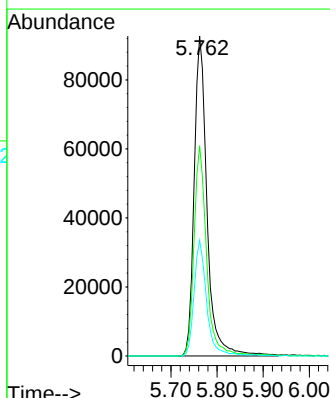
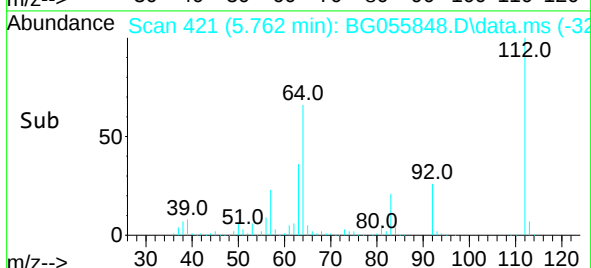
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022

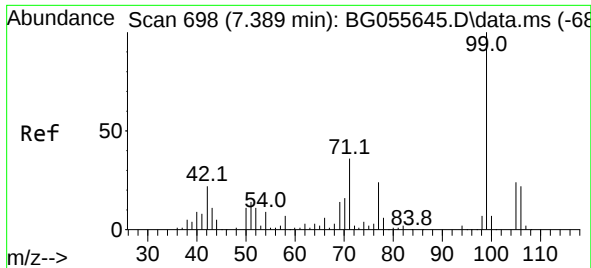


#5
2-Fluorophenol
Concen: 83.792 ng
RT: 5.762 min Scan# 421
Delta R.T. 0.010 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12



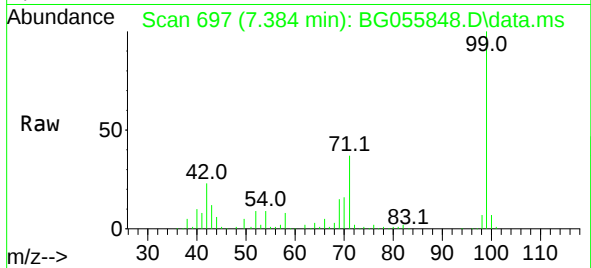
Tgt Ion:112 Resp: 179223
Ion Ratio Lower Upper
112 100
64 65.7 50.6 76.0
63 36.1 27.5 41.3





#7
Phenol-d6
Concen: 92.814 ng
RT: 7.384 min Scan# 698
Delta R.T. 0.010 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

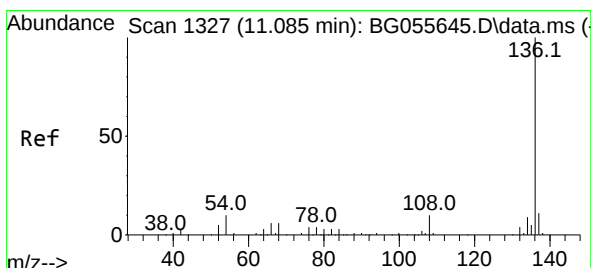
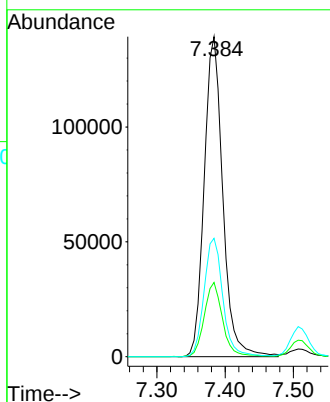
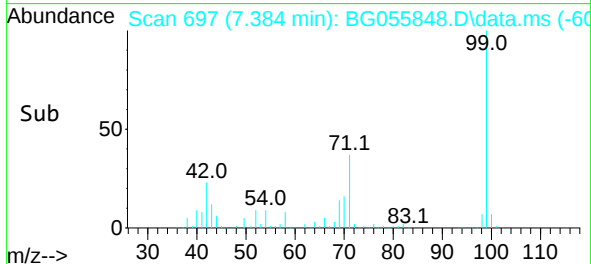
Instrument :
BNA_G
ClientSampleId :
B-40-SB01



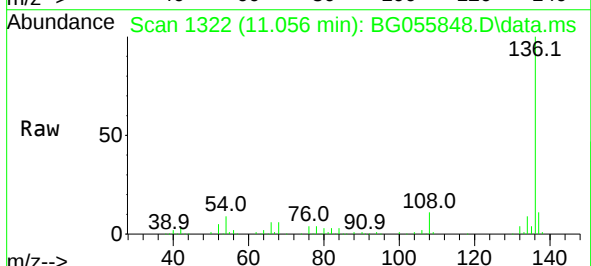
Tgt Ion: 99 Resp: 26426
Ion Ratio Lower Upper
99 100
42 23.2 18.0 27.0
71 37.0 29.0 43.6

Manual Integrations
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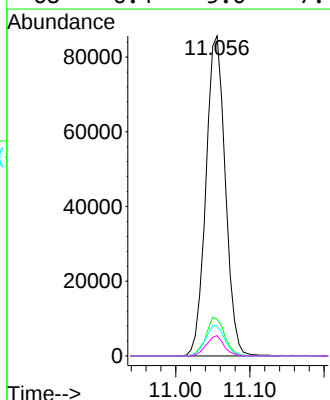
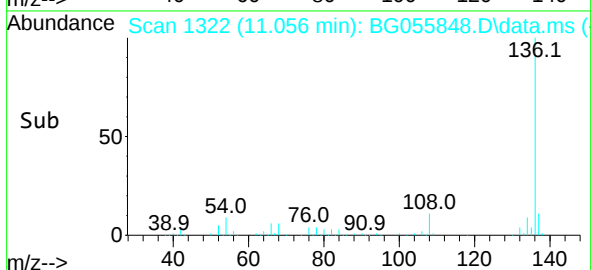
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022

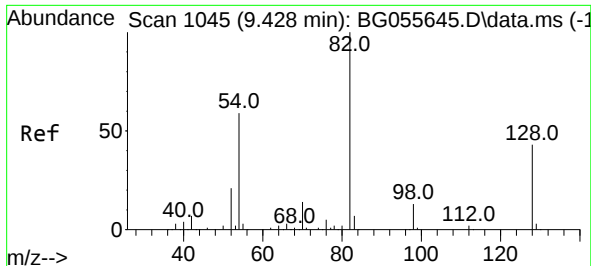


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.056 min Scan# 1322
Delta R.T. 0.005 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12



Tgt Ion:136 Resp: 155317
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 9.3 7.8 11.6
68 6.4 5.0 7.4





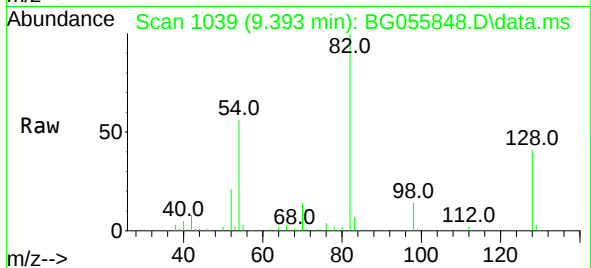
#23
Nitrobenzene-d5
Concen: 33.314 ng
RT: 9.393 min Scan# 1045
Delta R.T. -0.001 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

Instrument :

BNA_G

ClientSampleId :

B-40-SB01

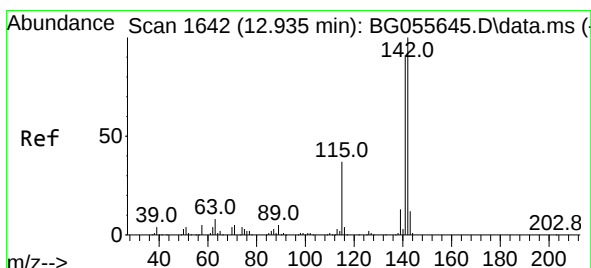
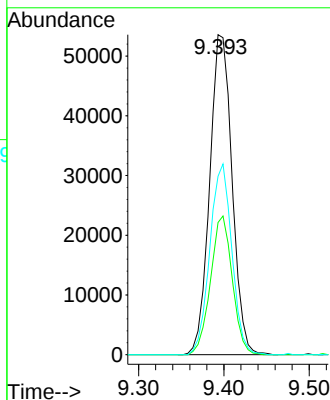
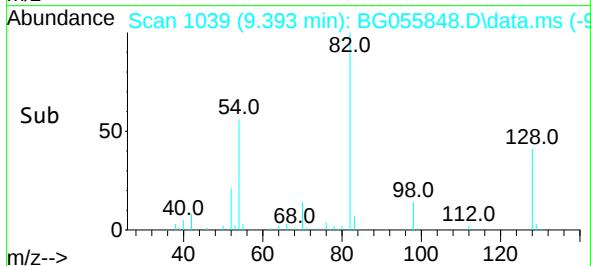


Tgt Ion: 82 Resp: 9789
Ion Ratio Lower Upper
82 100
128 41.3 34.1 51.1
54 55.7 47.3 70.9

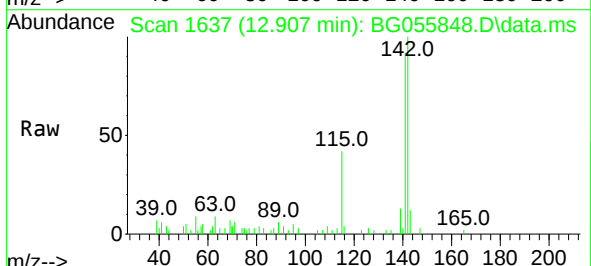
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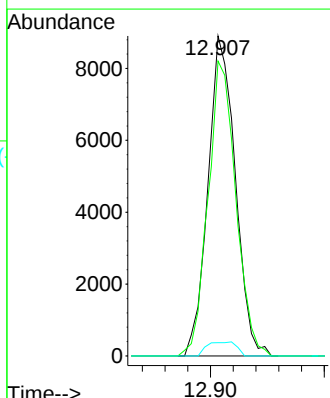
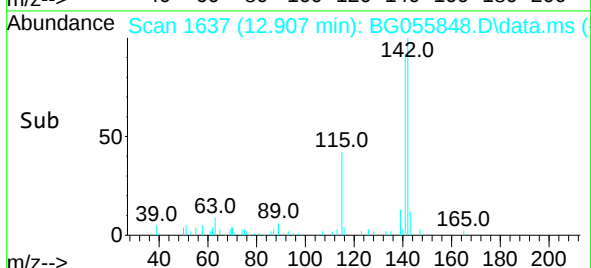
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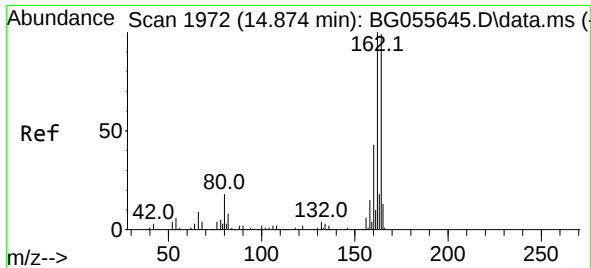


#38
1-Methylnaphthalene
Concen: 2.429 ng
RT: 12.907 min Scan# 1637
Delta R.T. -0.001 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12



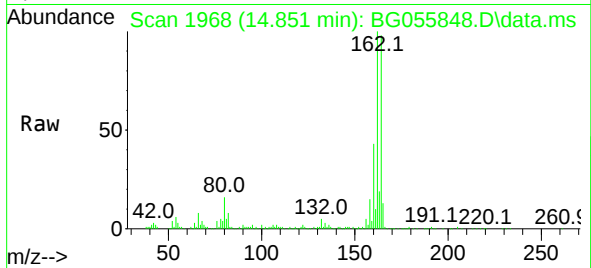
Tgt Ion:142 Resp: 14824
Ion Ratio Lower Upper
142 100
141 92.2 73.0 109.4
116 4.1 3.1 4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.851 min Scan# 1972
Delta R.T. 0.005 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

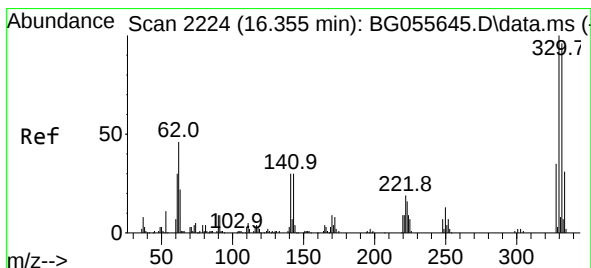
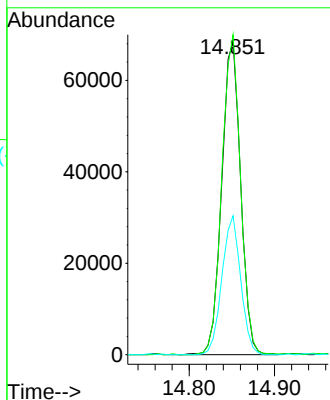
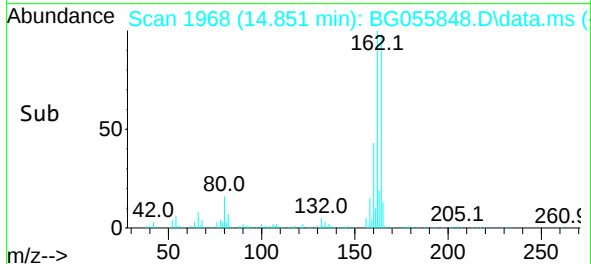
Instrument :
BNA_G
ClientSampleId :
B-40-SB01



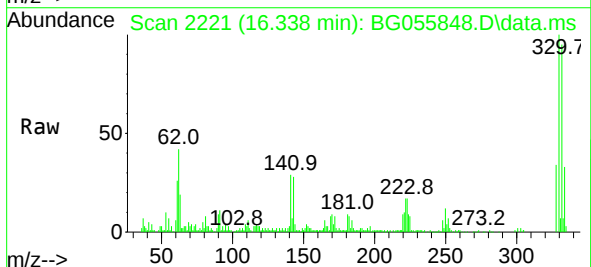
Tgt Ion:164 Resp: 10565
Ion Ratio Lower Upper
164 100
162 102.1 81.1 121.7
160 44.3 34.8 52.2

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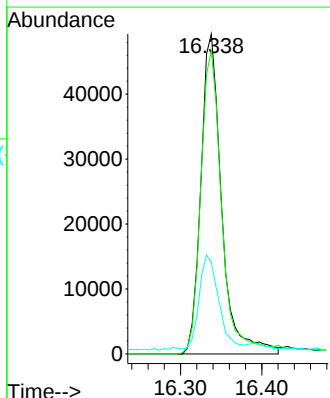
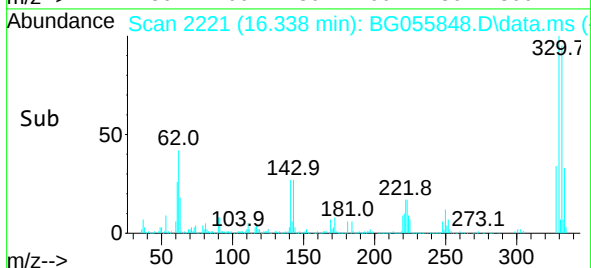
Reviewed By :Christian Giraldo 12/01/2022
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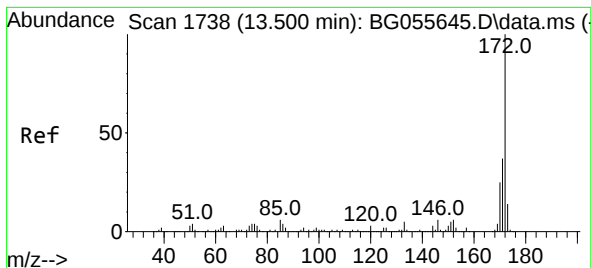


#42
2,4,6-Tribromophenol
Concen: 58.687 ng
RT: 16.338 min Scan# 2221
Delta R.T. 0.010 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12



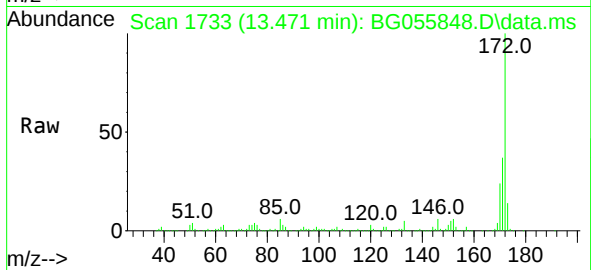
Tgt Ion:330 Resp: 87310
Ion Ratio Lower Upper
330 100
332 101.2 77.8 116.8
141 27.5 23.9 35.9





#45
2-Fluorobiphenyl
Concen: 59.681 ng
RT: 13.471 min Scan# 1733
Delta R.T. -0.001 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

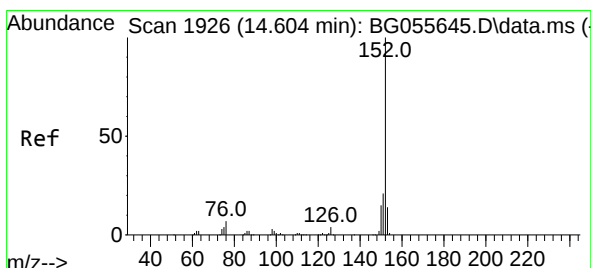
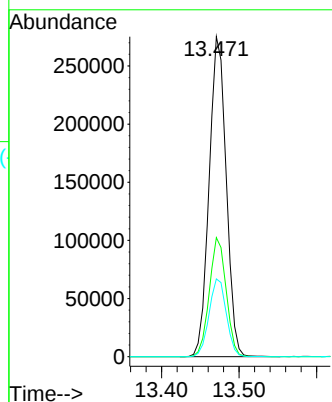
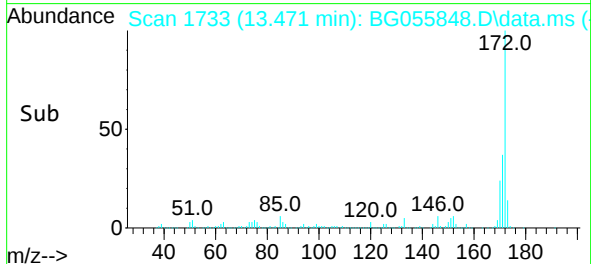
Instrument :
BNA_G
ClientSampleId :
B-40-SB01



Tgt Ion:172 Resp: 42089
Ion Ratio Lower Upper
172 100
171 37.2 29.8 44.6
170 24.3 20.2 30.4

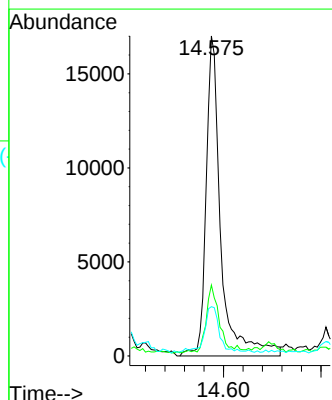
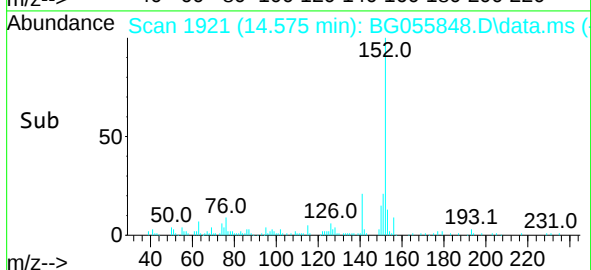
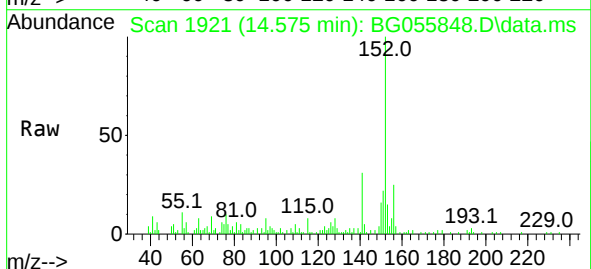
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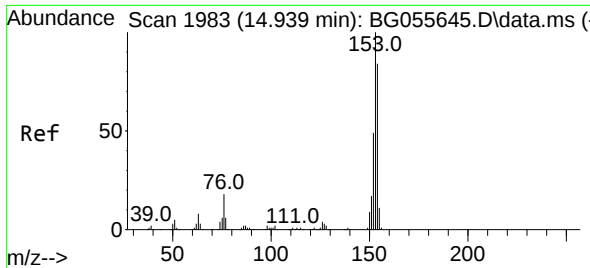
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#49
Acenaphthylene
Concen: 3.599 ng
RT: 14.575 min Scan# 1921
Delta R.T. -0.001 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

Tgt Ion:152 Resp: 35470
Ion Ratio Lower Upper
152 100
151 22.1 16.4 24.6
153 15.4 11.0 16.4





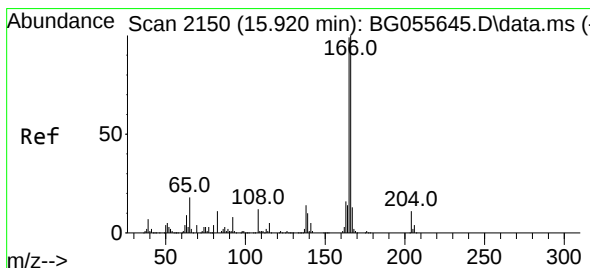
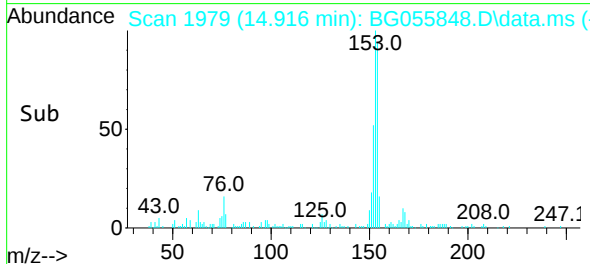
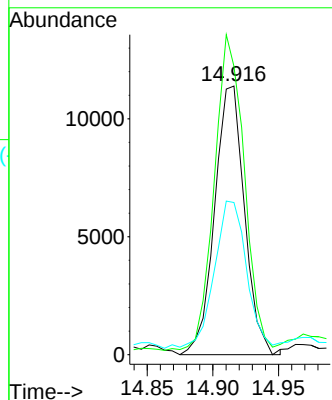
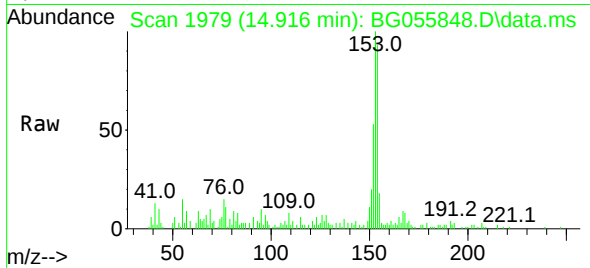
#52
Acenaphthene
Concen: 2.805 ng
RT: 14.916 min Scan# 1983
Delta R.T. 0.005 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

Instrument :
BNA_G
ClientSampleId :
B-40-SB01

Tgt Ion:154 Resp: 1806
Ion Ratio Lower Upper
154 100
153 107.3 95.0 142.4
152 56.6 46.1 69.1

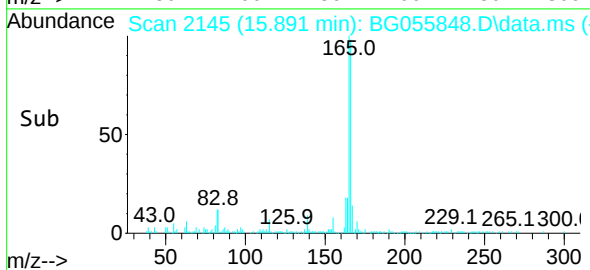
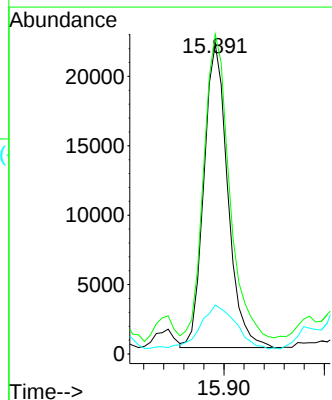
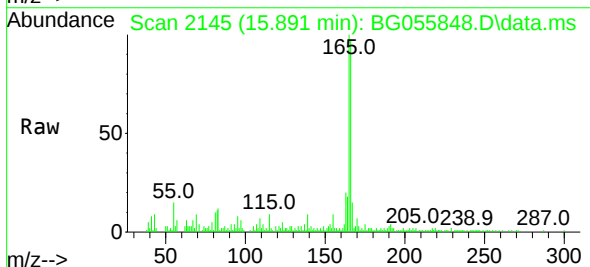
Manual Integrations
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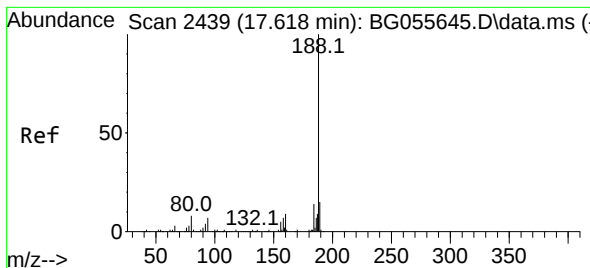
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#58
Fluorene
Concen: 4.556 ng
RT: 15.891 min Scan# 2145
Delta R.T. 0.005 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

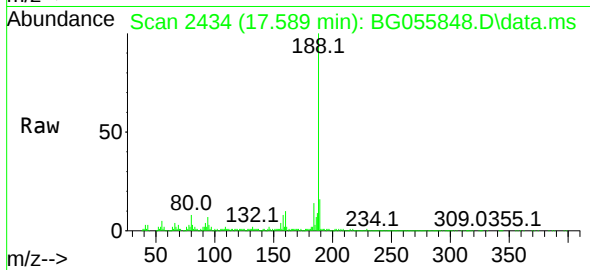
Tgt Ion:166 Resp: 36151
Ion Ratio Lower Upper
166 100
165 103.2 79.3 118.9
167 15.8 10.6 15.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.589 min Scan# 2439
Delta R.T. 0.005 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

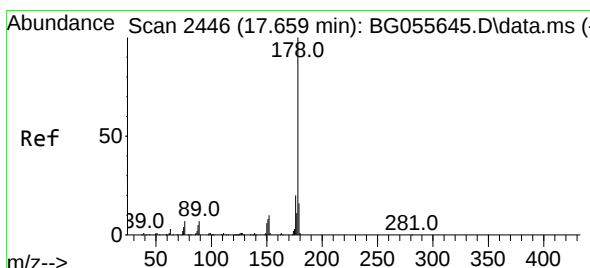
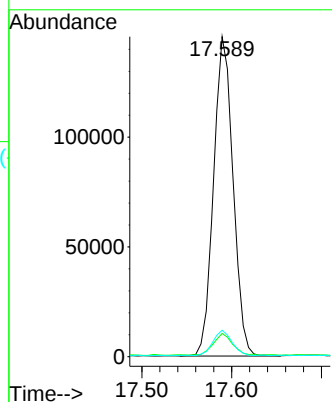
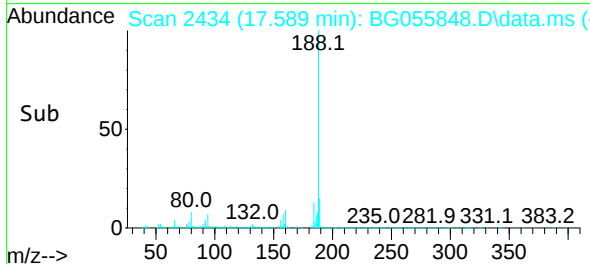
Instrument :
BNA_G
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B-40-SB01



Tgt Ion:188 Resp: 218930
Ion Ratio Lower Upper
188 100
94 7.2 5.4 8.2
80 8.3 6.6 10.0

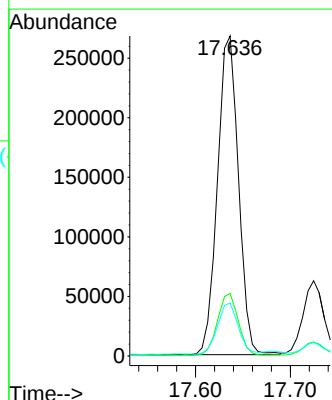
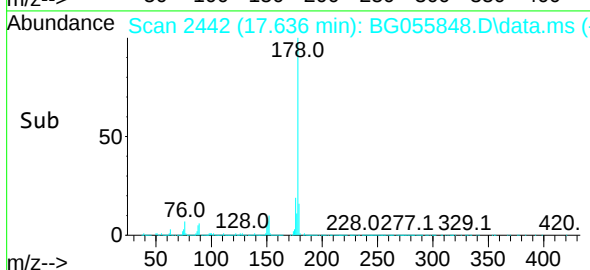
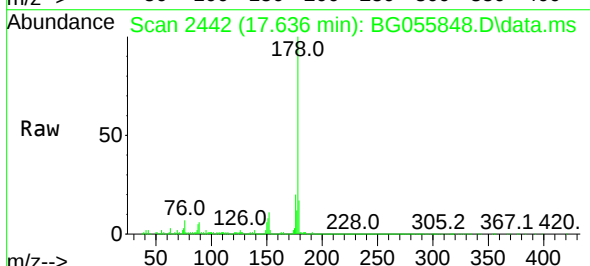
Manual Integrations
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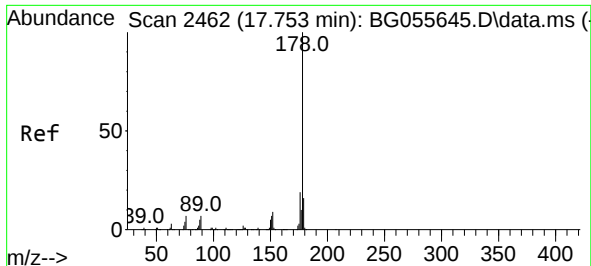
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#71
Phenanthrene
Concen: 34.865 ng
RT: 17.636 min Scan# 2442
Delta R.T. 0.010 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

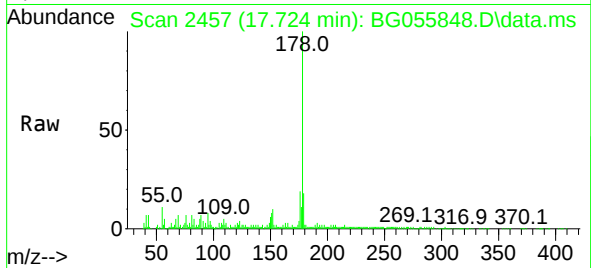
Tgt Ion:178 Resp: 411912
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 16.6 12.7 19.1





#72
 Anthracene
 Concen: 7.795 ng
 RT: 17.724 min Scan# 2462
 Delta R.T. 0.005 min
 Lab File: BG055848.D
 Acq: 30 Nov 2022 19:12

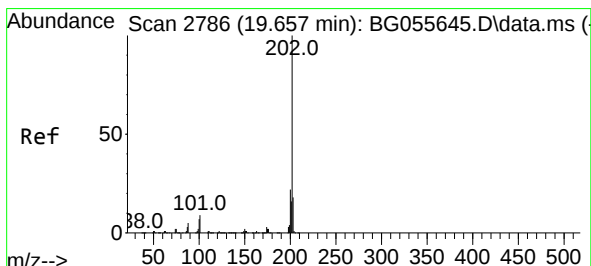
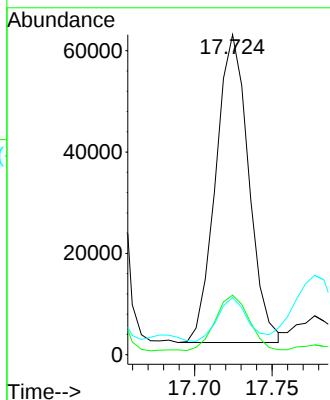
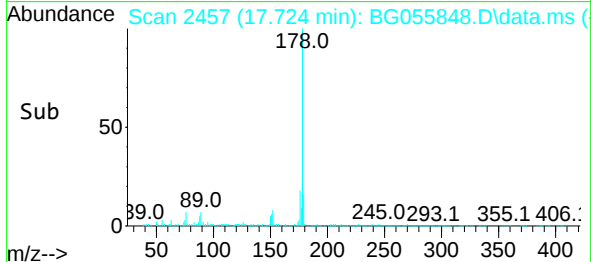
Instrument :
 BNA_G
 ClientSampleId :
 B-40-SB01



Tgt Ion:178 Resp: 89479
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.5 23.3
 179 17.9 12.5 18.7

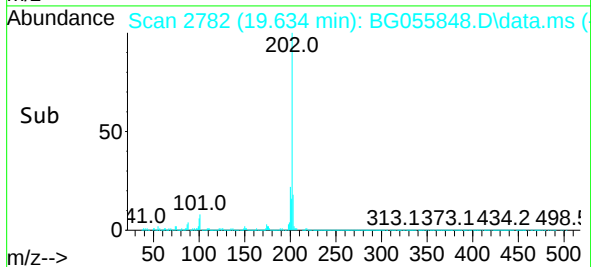
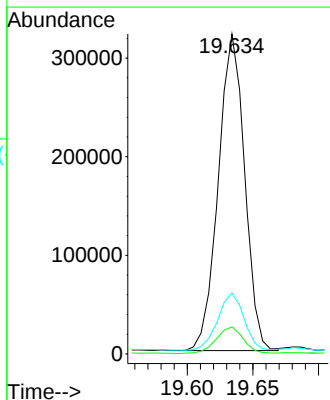
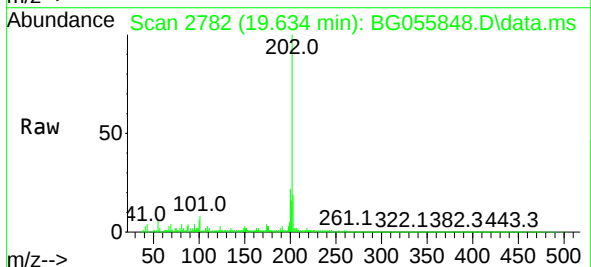
Manual Integrations
 APPROVED

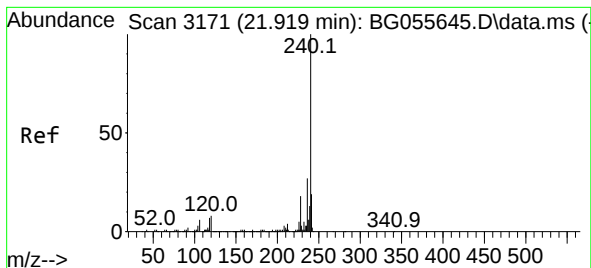
Reviewed By :Christian Giraldo 12/01/2022
 Supervised By :Jagrut Upadhyay 12/01/2022



#75
 Fluoranthene
 Concen: 31.181 ng
 RT: 19.634 min Scan# 2782
 Delta R.T. 0.010 min
 Lab File: BG055848.D
 Acq: 30 Nov 2022 19:12

Tgt Ion:202 Resp: 448172
 Ion Ratio Lower Upper
 202 100
 101 8.4 0.0 28.8
 203 19.0 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.884 min Scan# 3171

Delta R.T. 0.005 min

Lab File: BG055848.D

Acq: 30 Nov 2022 19:12

Instrument :

BNA_G

ClientSampleId :

B-40-SB01

Tgt Ion:240 Resp: 213578

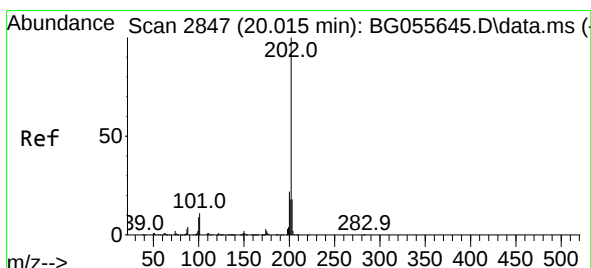
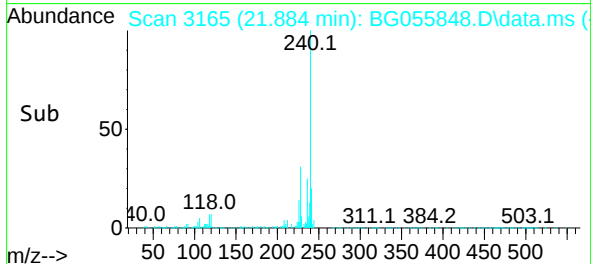
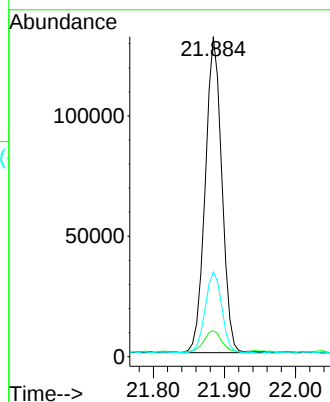
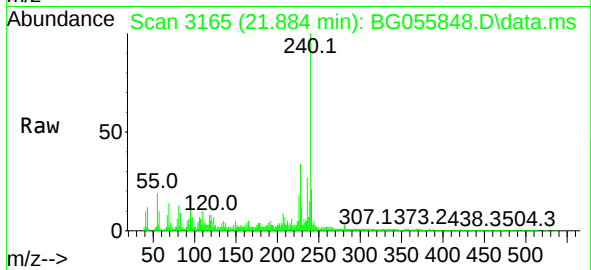
Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.3	9.5
236	26.5	21.9	32.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/01/2022

Supervised By :Jagrut Upadhyay 12/01/2022



#78

Pyrene

Concen: 52.420 ng

RT: 19.998 min Scan# 2844

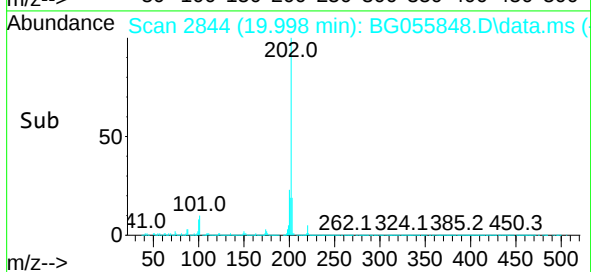
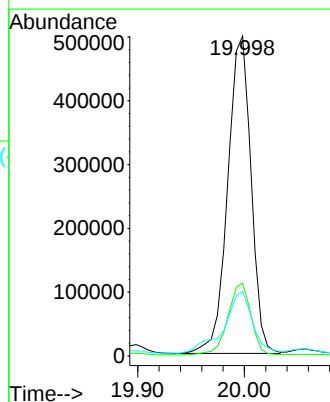
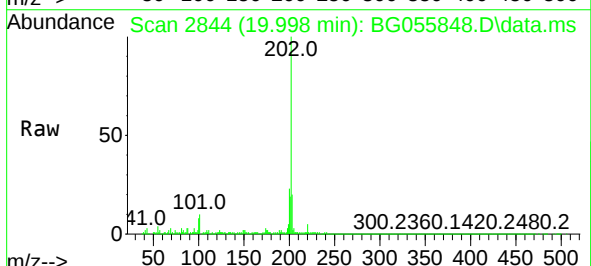
Delta R.T. 0.010 min

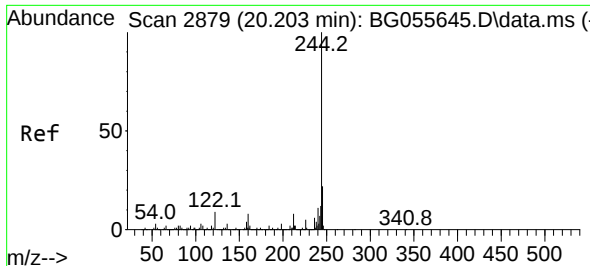
Lab File: BG055848.D

Acq: 30 Nov 2022 19:12

Tgt Ion:202 Resp: 757815

Ion	Ratio	Lower	Upper
202	100		
200	22.8	17.8	26.6
203	20.2	14.4	21.6





#79
 Terphenyl-d14
 Concen: 56.140 ng
 RT: 20.175 min Scan# 20175
 Delta R.T. 0.005 min
 Lab File: BG055848.D
 Acq: 30 Nov 2022 19:12

Instrument :

BNA_G

ClientSampleId :

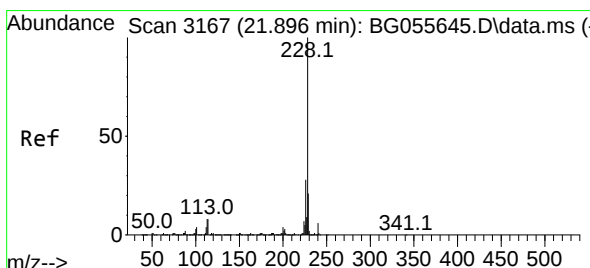
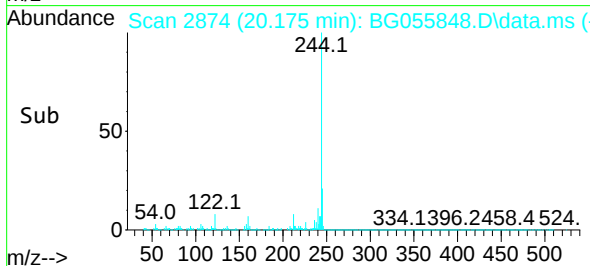
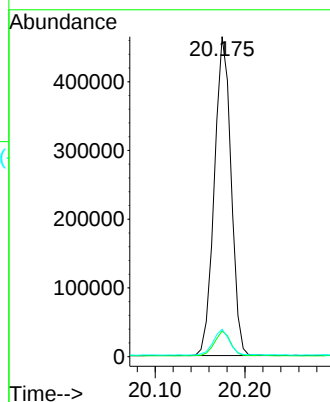
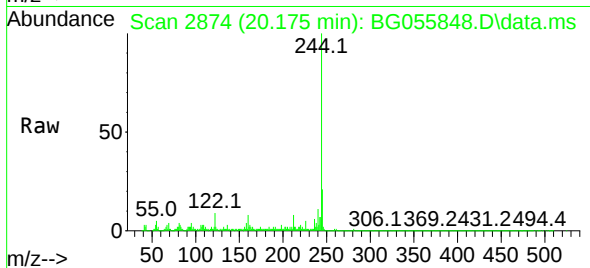
B-40-SB01

Tgt Ion:244 Resp: 59947
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.3 9.5
 122 8.5 6.9 10.3

Manual Integrations

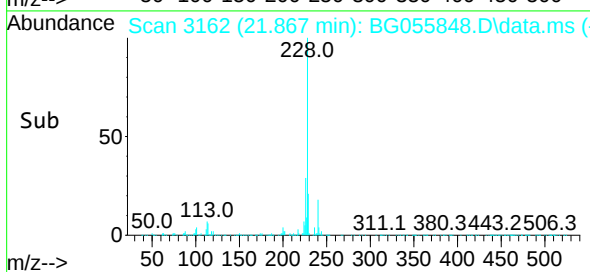
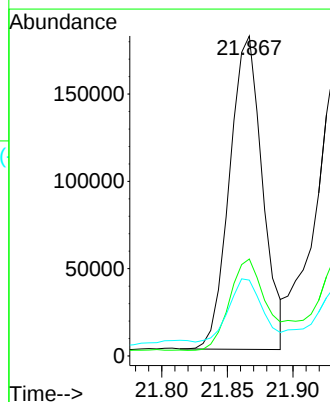
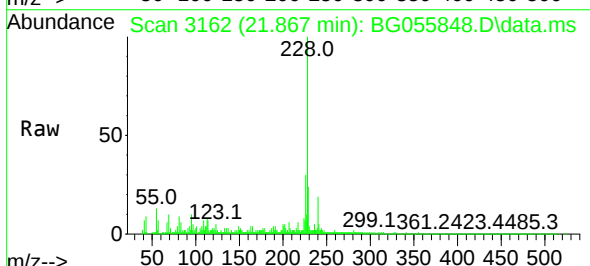
APPROVED

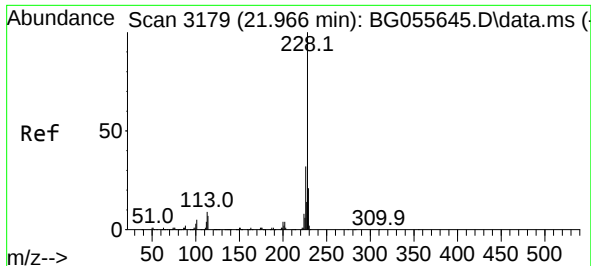
Reviewed By :Christian Giraldo 12/01/2022
 Supervised By :Jagrut Upadhyay 12/01/2022



#81
 Benzo(a)anthracene
 Concen: 21.334 ng
 RT: 21.867 min Scan# 3162
 Delta R.T. 0.010 min
 Lab File: BG055848.D
 Acq: 30 Nov 2022 19:12

Tgt Ion:228 Resp: 313825
 Ion Ratio Lower Upper
 228 100
 226 30.3 22.7 34.1
 229 23.7 16.5 24.7





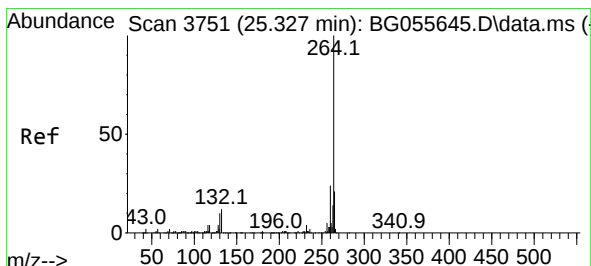
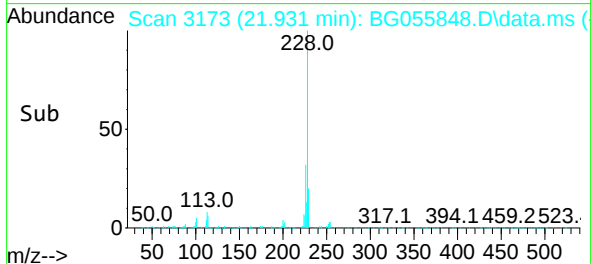
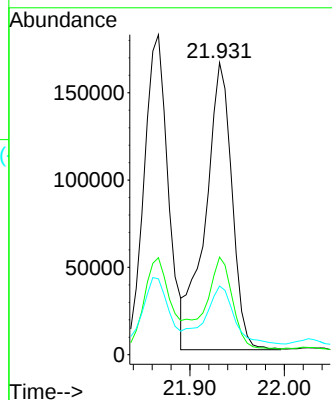
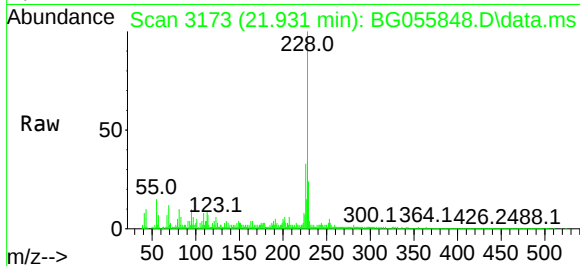
#83
Chrysene
Concen: 23.021 ng m
RT: 21.931 min Scan# 3179
Delta R.T. 0.005 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

Instrument :
BNA_G
ClientSampleId :
B-40-SB01

Tgt Ion:228 Resp: 32239
Ion Ratio Lower Upper
228 100
226 33.4 25.4 38.2
229 23.5 17.1 25.7

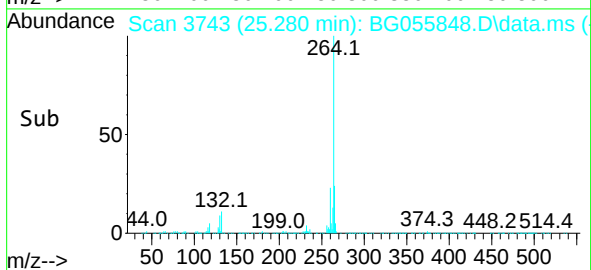
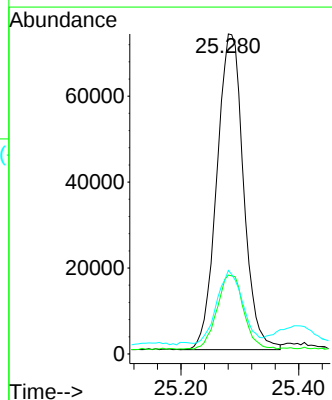
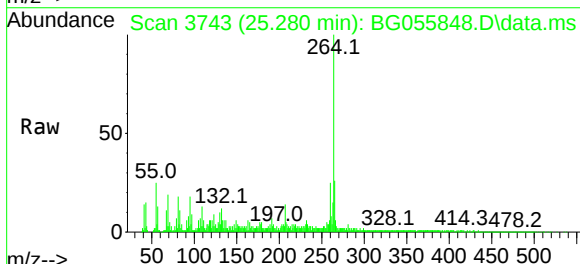
Manual Integrations
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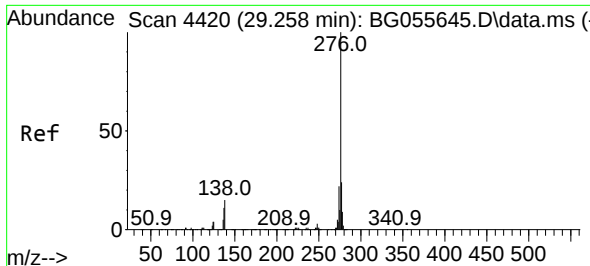
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.280 min Scan# 3743
Delta R.T. 0.022 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

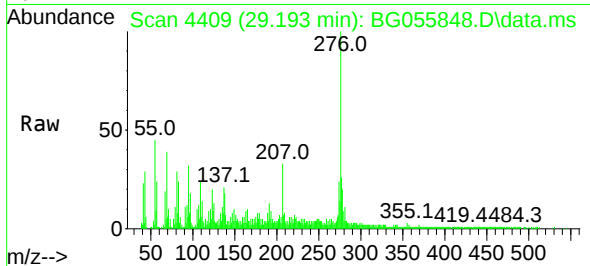
Tgt Ion:264 Resp: 231057
Ion Ratio Lower Upper
264 100
260 24.6 19.5 29.3
265 26.1 17.1 25.7#





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.737 ng
RT: 29.193 min Scan# 4420
Delta R.T. 0.022 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

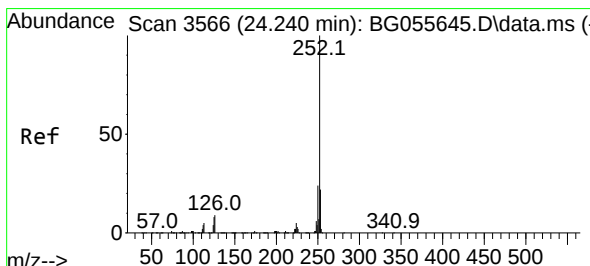
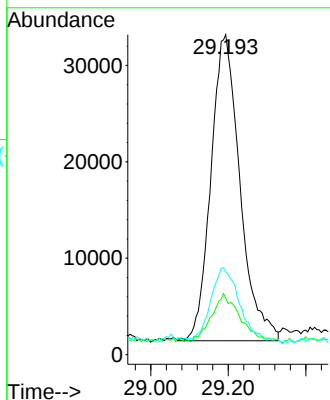
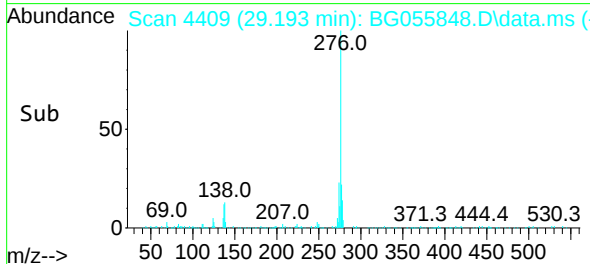
Instrument :
BNA_G
ClientSampleId :
B-40-SB01



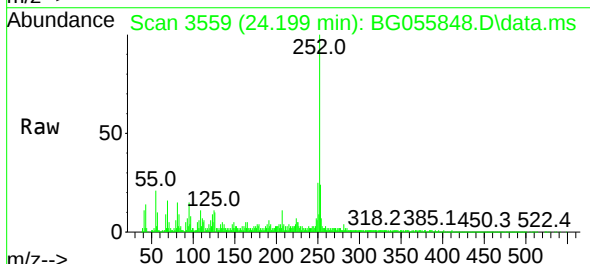
Tgt Ion: 276 Resp: 165380
Ion Ratio Lower Upper
276 100
138 17.0 10.4 15.6
277 22.8 20.2 30.4

Manual Integrations
APPROVED

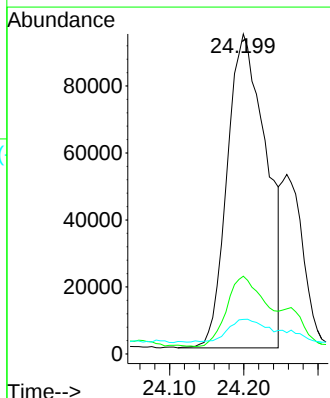
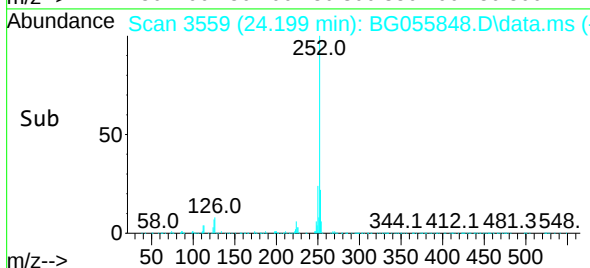
Reviewed By : Christian Giraldo 12/01/2022
Supervised By : Jagrut Upadhyay 12/01/2022

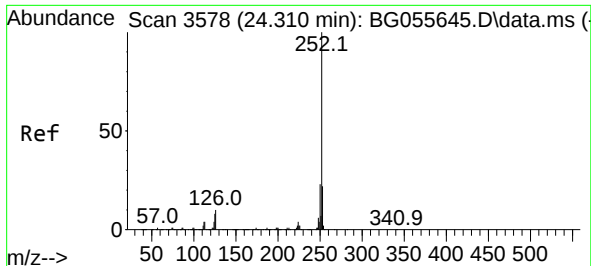


#88
Benzo(b)fluoranthene
Concen: 22.700 ng
RT: 24.199 min Scan# 3559
Delta R.T. 0.022 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12



Tgt Ion: 252 Resp: 341589
Ion Ratio Lower Upper
252 100
253 24.3 18.0 27.0
125 10.8 6.2 9.2





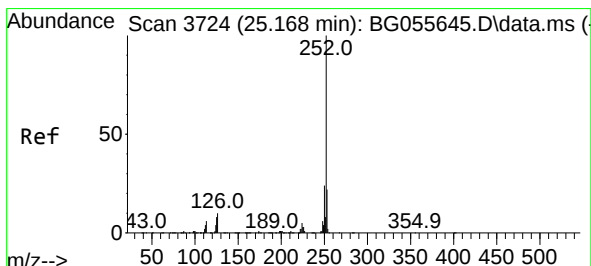
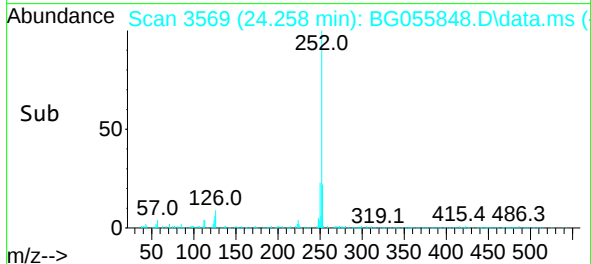
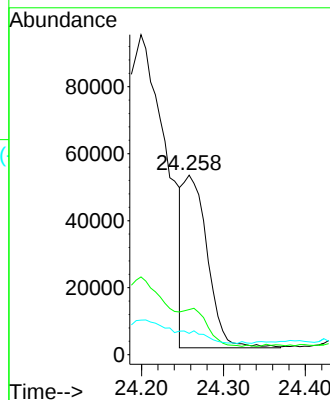
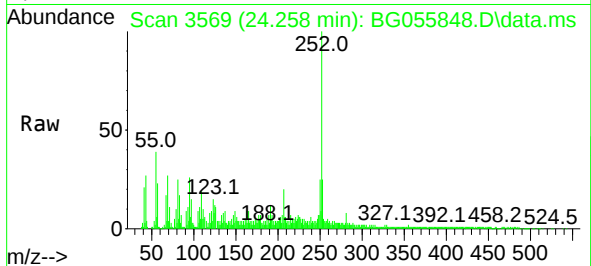
#89
Benzo(k)fluoranthene
Concen: 7.096 ng m
RT: 24.258 min Scan# 31
Delta R.T. 0.005 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

Instrument :
BNA_G
ClientSampleId :
B-40-SB01

Tgt Ion:252 Resp: 106430
Ion Ratio Lower Upper
252 100
253 25.1 17.8 26.6
125 11.8 6.1 9.1

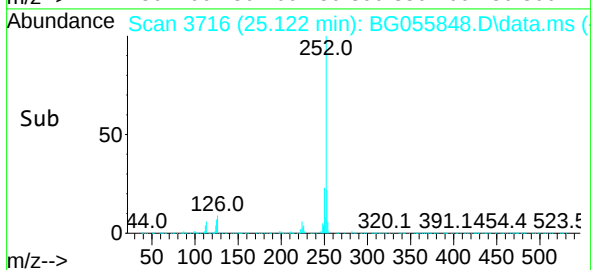
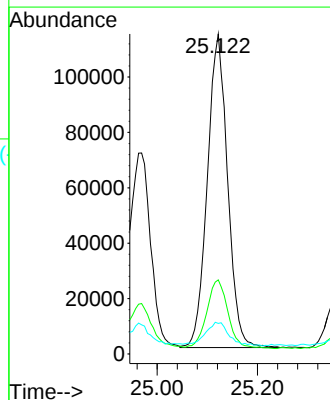
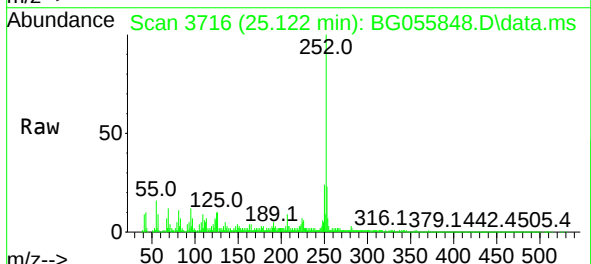
Manual Integrations
APPROVED

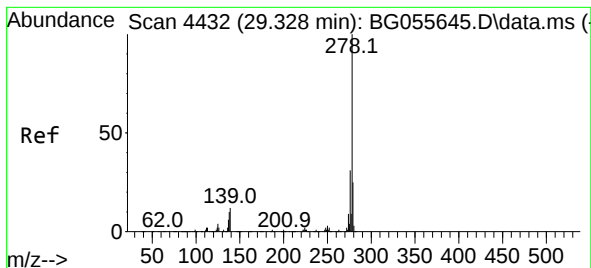
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#90
Benzo(a)pyrene
Concen: 24.588 ng
RT: 25.122 min Scan# 3716
Delta R.T. 0.022 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

Tgt Ion:252 Resp: 317502
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 9.6 6.4 9.6





#91

Dibenzo(a,h)anthracene

Concen: 3.160 ng

RT: 29.223 min Scan# 4432

Delta R.T. -0.001 min

Lab File: BG055848.D

Acq: 30 Nov 2022 19:12

Instrument :

BNA_G

ClientSampleId :

B-40-SB01

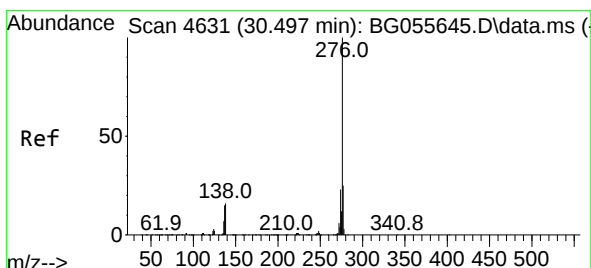
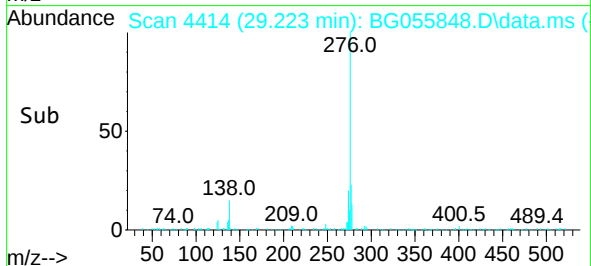
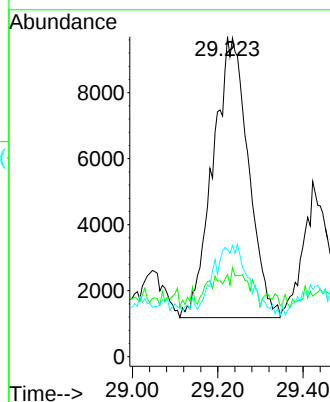
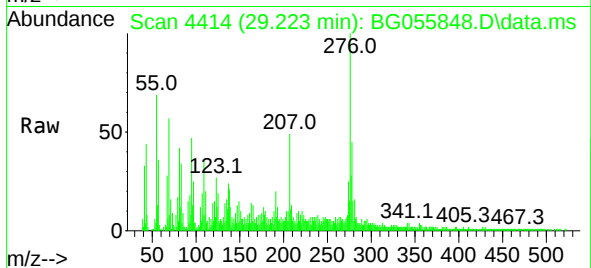
Tgt Ion:	278	Resp:	4887
Ion Ratio	Lower	Upper	
278	100		
139	25.7	9.8	14.8
279	33.4	19.8	29.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/01/2022

Supervised By :Jagrut Upadhyay 12/01/2022



#92

Benzo(g,h,i)perylene

Concen: 11.805 ng

RT: 30.415 min Scan# 4617

Delta R.T. 0.016 min

Lab File: BG055848.D

Acq: 30 Nov 2022 19:12

Tgt Ion:	276	Resp:	184038
Ion Ratio	Lower	Upper	
276	100		
277	26.6	19.8	29.6
138	16.9	13.1	19.7

