

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102122\
 Data File : BG055249.D
 Acq On : 22 Oct 2022 1:19
 Operator : CG/JU
 Sample : N5217-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-B1-COMP

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/24/2022
 Supervised By : Jagrut Upadhyay 10/24/2022

Quant Time: Oct 22 03:05:58 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 20 09:21:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.284	152	72004	20.000	ng	0.00
21) Naphthalene-d8	11.116	136	318526	20.000	ng	0.00
39) Acenaphthene-d10	14.894	164	185189	20.000	ng	0.00
64) Phenanthrene-d10	17.632	188	292911	20.000	ng	0.00
76) Chrysene-d12	21.916	240	222744	20.000	ng	0.00
86) Perylene-d12	25.329	264	241950	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.811	112	465447	116.300	ng	0.00
7) Phenol-d6	7.427	99	634389	104.026	ng	0.00
23) Nitrobenzene-d5	9.460	82	407517	61.766	ng	0.00
42) 2,4,6-Tribromophenol	16.375	330	166610	86.824	ng	0.00
45) 2-Fluorobiphenyl	13.525	172	768568	66.291	ng	0.00
79) Terphenyl-d14	20.206	244	670279	56.070	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.163	128	73646	4.382	ng	97
49) Acenaphthylene	14.624	152	94971	5.499	ng	98
52) Acenaphthene	14.959	154	72674	6.609	ng	96
55) Dibenzofuran	15.288	168	76394	4.823	ng	97
58) Fluorene	15.934	166	107151	8.033	ng	99
71) Phenanthrene	17.673	178	1239411	79.296	ng	97
72) Anthracene	17.762	178	284248	18.610	ng	99
73) Carbazole	18.026	167	140434	9.984	ng	100
75) Fluoranthene	19.665	202	1686433	97.405	ng	96
78) Pyrene	20.024	202	1513472	90.174	ng	95
81) Benzo(a)anthracene	21.892	228	801700	55.488	ng	98
83) Chrysene	21.963	228	760261	56.504	ng	97
84) Bis(2-ethylhexyl)phtha...	21.763	149	77600	7.560	ng	99
87) Indeno(1,2,3-cd)pyrene	29.266	276	552642	32.840	ng	# 91
88) Benzo(b)fluoranthene	24.248	252	1071328	74.565	ng	# 94
89) Benzo(k)fluoranthene	24.307	252	376305m	25.861	ng	
90) Benzo(a)pyrene	25.176	252	802566	65.080	ng	# 92
91) Dibenzo(a,h)anthracene	29.295	278	138050	10.013	ng	# 81
92) Benzo(g,h,i)perylene	30.505	276	540677	40.484	ng	# 89

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

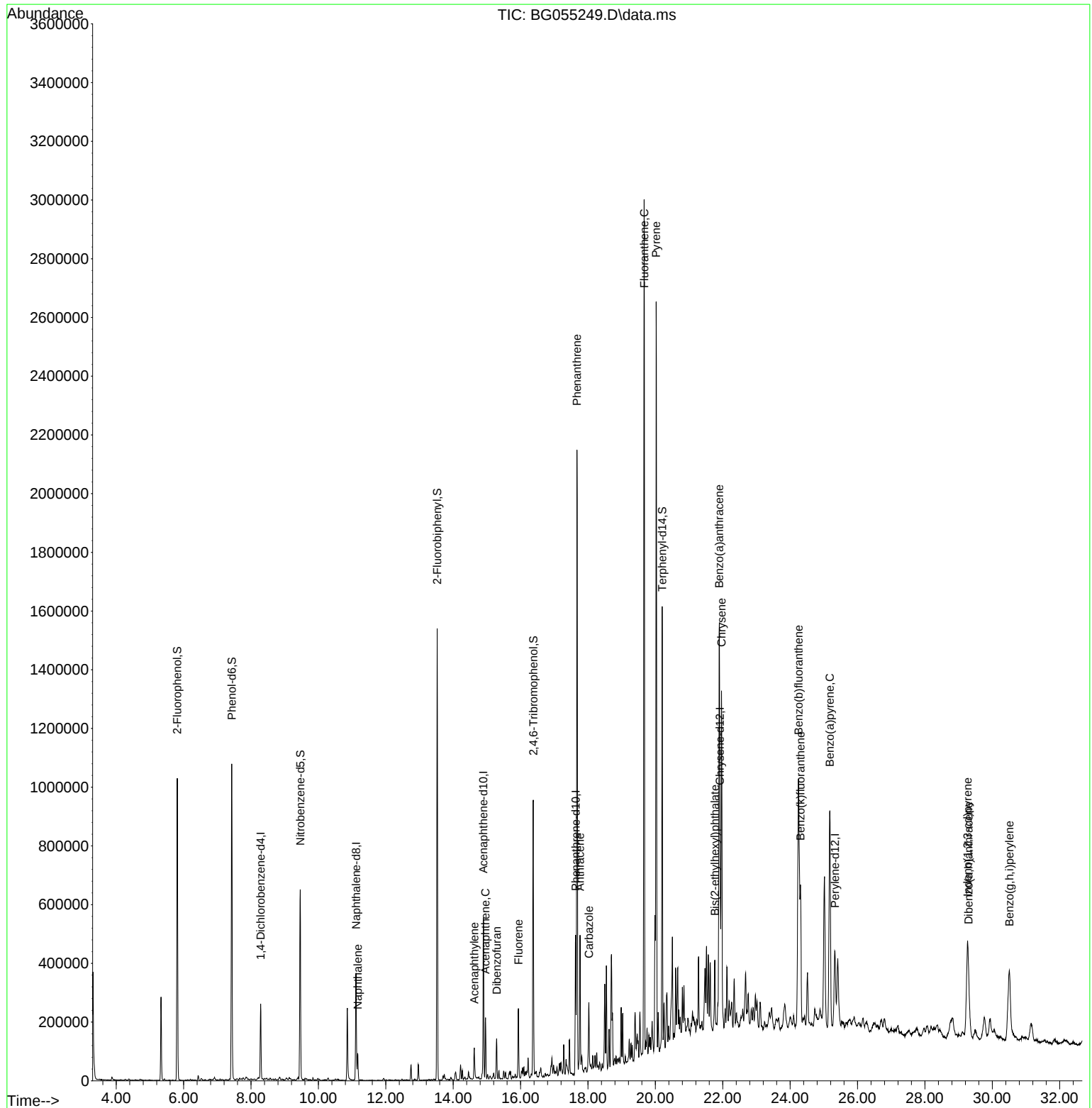
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102122\
Data File : BG055249.D
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Operator : CG/JU
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Misc :
ALS Vial : 16 Sample Multiplier: 1

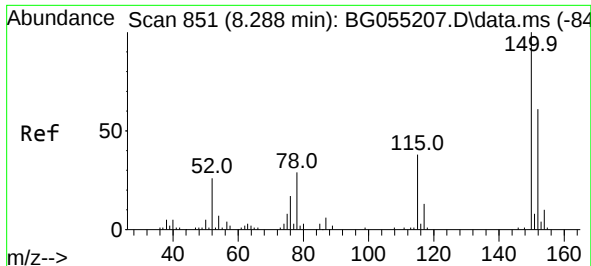
Instrument :
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ClientSampleId :
SB-B1-COMP

Quant Time: Oct 22 03:05:58 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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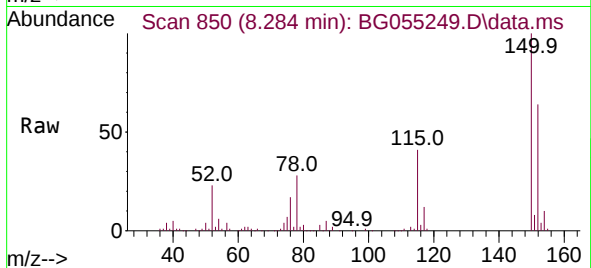
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.284 min Scan# 851
Delta R.T. -0.004 min
Lab File: BG055249.D
Acq: 22 Oct 2022 1:19

Instrument :

BNA_G

ClientSampleId :

SB-B1-COMP

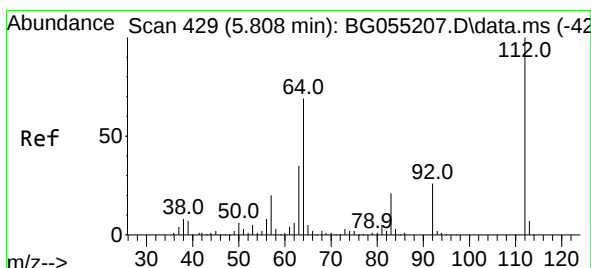
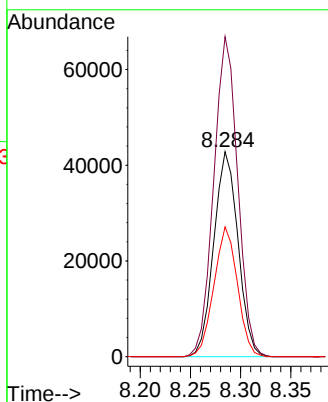
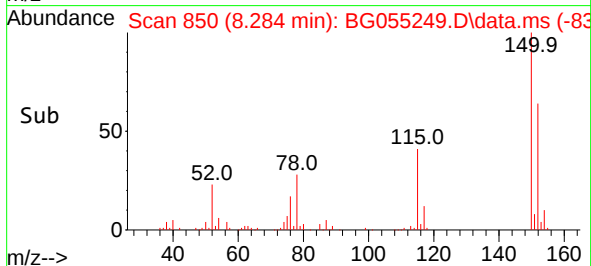


Tgt Ion:152 Resp: 72004
Ion Ratio Lower Upper
152 100
150 156.1 130.2 195.2
115 63.3 50.0 75.0

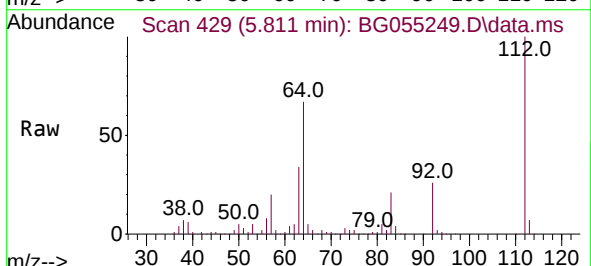
Manual Integrations

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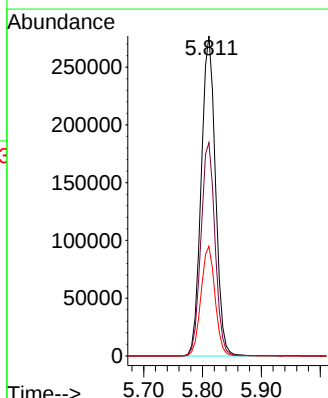
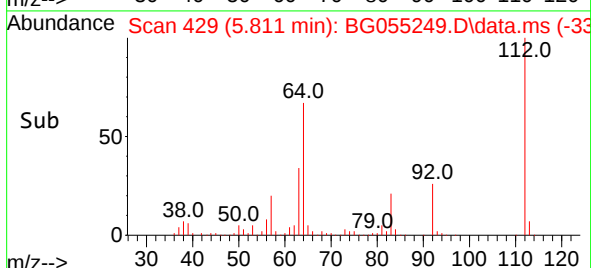
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022

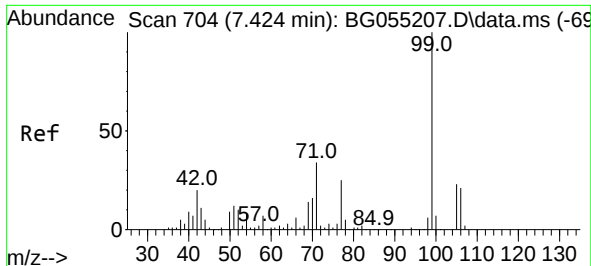


#5
2-Fluorophenol
Concen: 116.300 ng
RT: 5.811 min Scan# 429
Delta R.T. 0.003 min
Lab File: BG055249.D
Acq: 22 Oct 2022 1:19



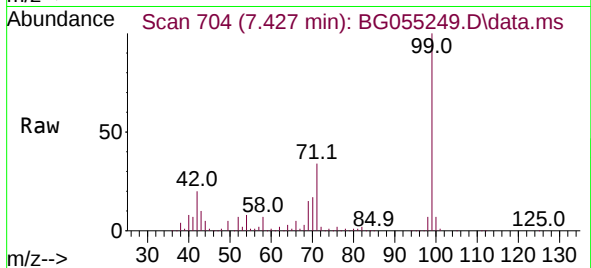
Tgt Ion:112 Resp: 465447
Ion Ratio Lower Upper
112 100
64 66.6 55.1 82.7
63 34.2 27.8 41.6





#7
Phenol-d6
Concen: 104.026 ng
RT: 7.427 min Scan# 704
Delta R.T. 0.003 min
Lab File: BG055249.D
Acq: 22 Oct 2022 1:19

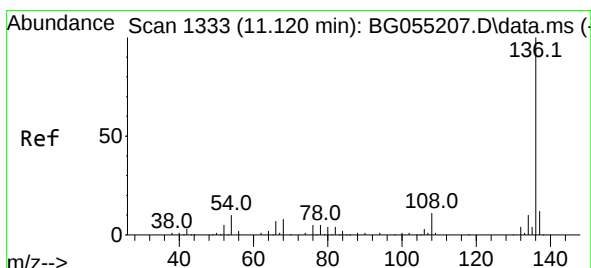
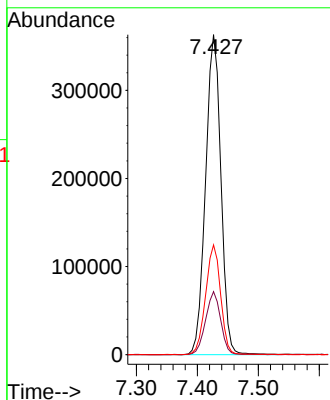
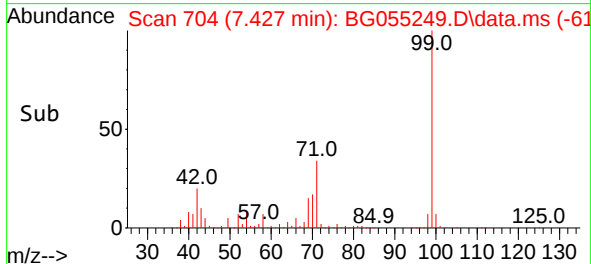
Instrument :
BNA_G
ClientSampleId :
SB-B1-COMP



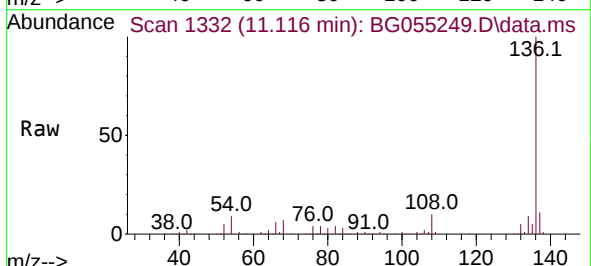
Tgt Ion: 99 Resp: 634389
Ion Ratio Lower Upper
99 100
42 19.7 16.2 24.4
71 34.3 27.3 40.9

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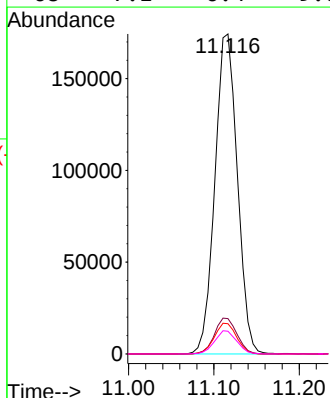
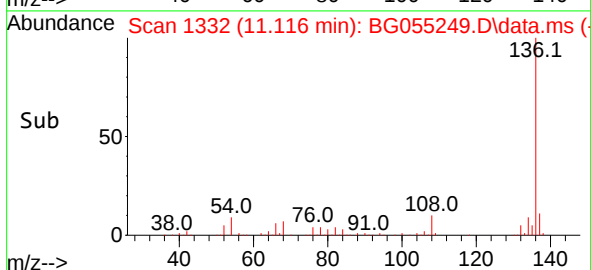
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022

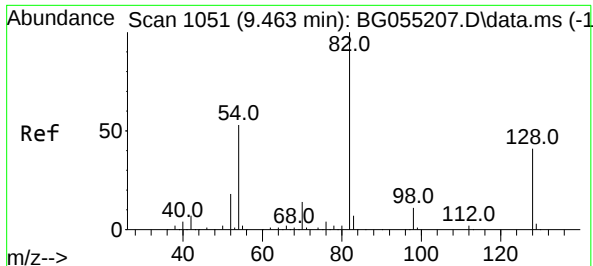


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.116 min Scan# 1332
Delta R.T. -0.004 min
Lab File: BG055249.D
Acq: 22 Oct 2022 1:19



Tgt Ion:136 Resp: 318526
Ion Ratio Lower Upper
136 100
137 11.0 9.3 13.9
54 9.4 8.2 12.4
68 7.1 6.4 9.6





#23

Nitrobenzene-d5

Concen: 61.766 ng

RT: 9.460 min Scan# 1051

Delta R.T. -0.003 min

Lab File: BG055249.D

Acq: 22 Oct 2022 1:19

Instrument :

BNA_G

ClientSampleId :

SB-B1-COMP

Tgt Ion: 82 Resp: 40751

Ion Ratio Lower Upper

82 100

128 41.2 32.3 48.5

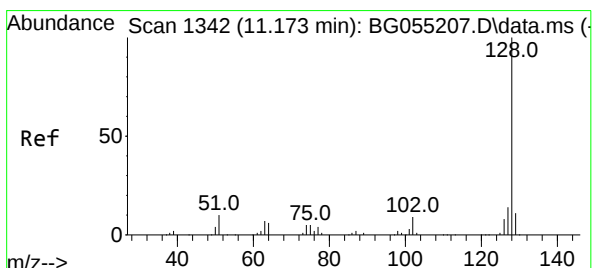
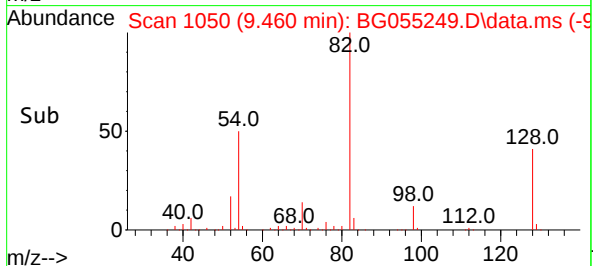
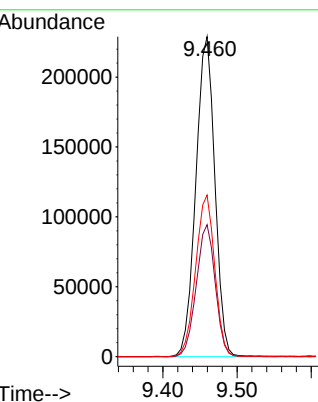
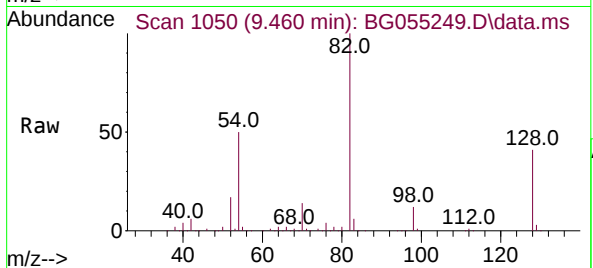
54 50.5 42.6 63.8

Manual Integrations

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#31

Naphthalene

Concen: 4.382 ng

RT: 11.163 min Scan# 1340

Delta R.T. -0.009 min

Lab File: BG055249.D

Acq: 22 Oct 2022 1:19

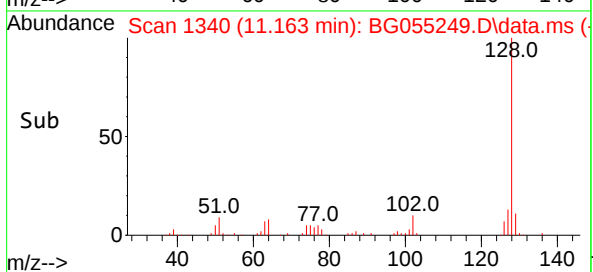
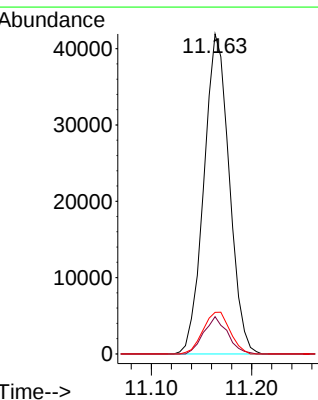
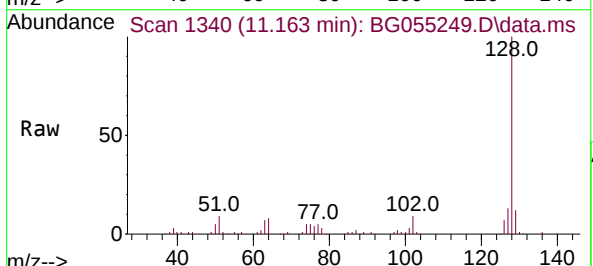
Tgt Ion:128 Resp: 73646

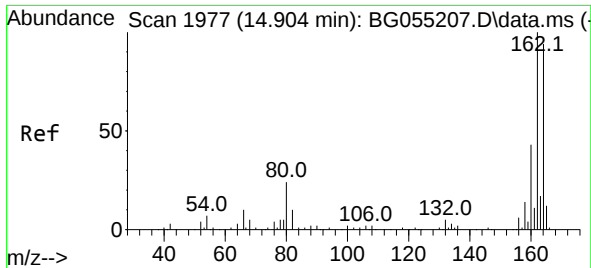
Ion Ratio Lower Upper

128 100

129 11.6 8.8 13.2

127 13.0 11.4 17.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.894 min Scan# 1977
Delta R.T. -0.010 min
Lab File: BG055249.D
Acq: 22 Oct 2022 1:19

Instrument :

BNA_G

ClientSampleId :

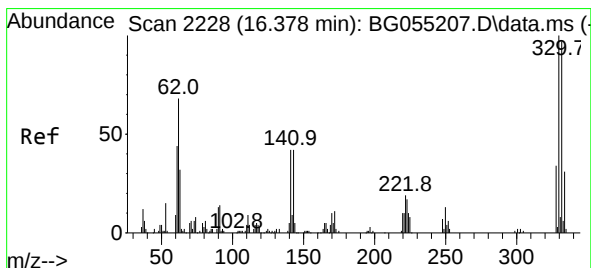
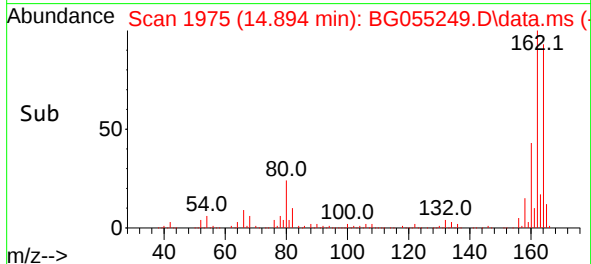
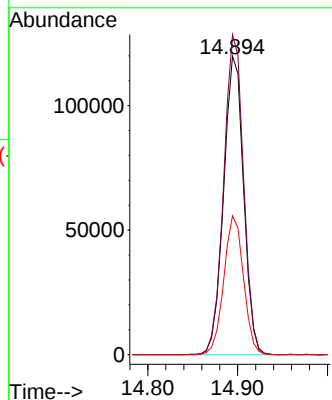
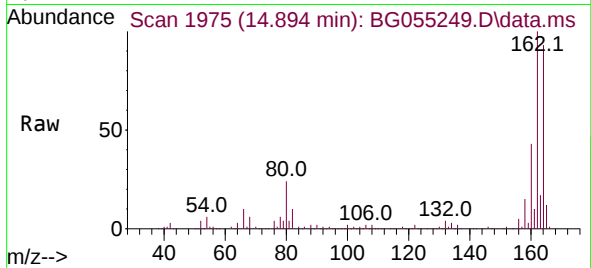
SB-B1-COMP

Tgt Ion:164 Resp: 185189
Ion Ratio Lower Upper
164 100
162 107.2 85.2 127.8
160 46.5 36.4 54.6

Manual Integrations

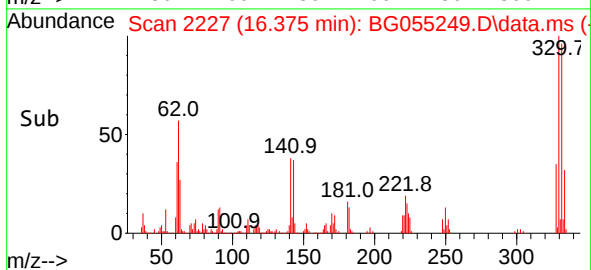
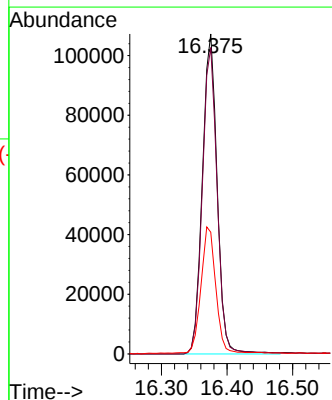
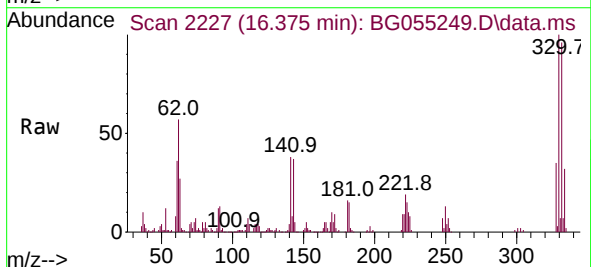
APPROVED

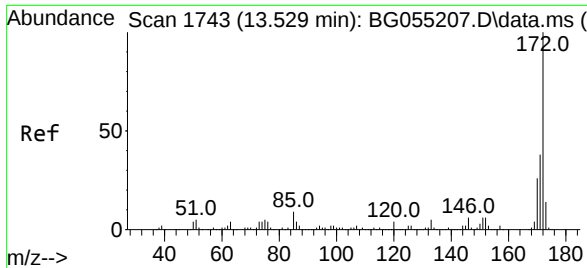
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022



#42
2,4,6-Tribromophenol
Concen: 86.824 ng
RT: 16.375 min Scan# 2227
Delta R.T. -0.003 min
Lab File: BG055249.D
Acq: 22 Oct 2022 1:19

Tgt Ion:330 Resp: 166610
Ion Ratio Lower Upper
330 100
332 96.3 77.5 116.3
141 40.6 33.5 50.3





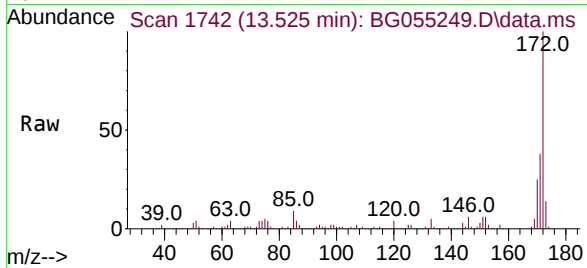
#45
2-Fluorobiphenyl
Concen: 66.291 ng
RT: 13.525 min Scan# 1742
Delta R.T. -0.004 min
Lab File: BG055249.D
Acq: 22 Oct 2022 1:19

Instrument :

BNA_G

ClientSampleId :

SB-B1-COMP

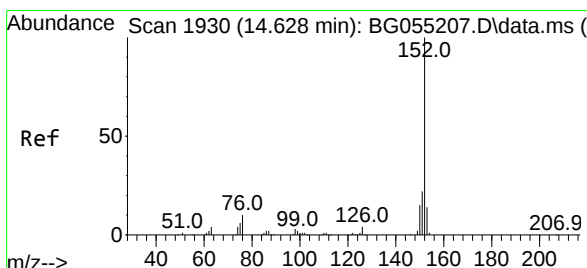
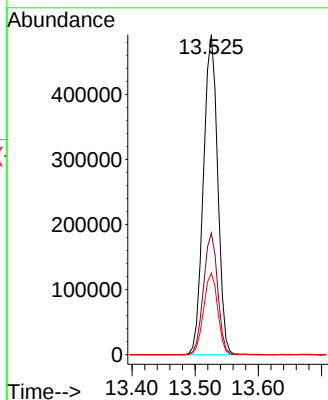
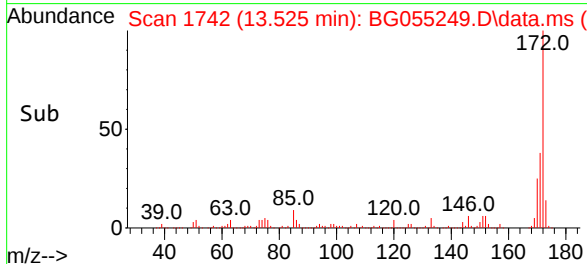


Tgt Ion:172 Resp: 768568
Ion Ratio Lower Upper
172 100
171 38.0 30.3 45.5
170 25.5 20.6 30.8

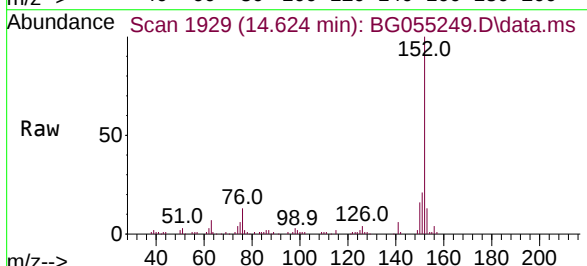
Manual Integrations

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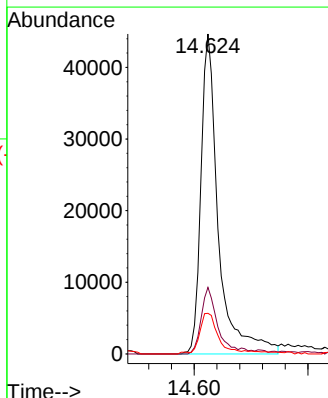
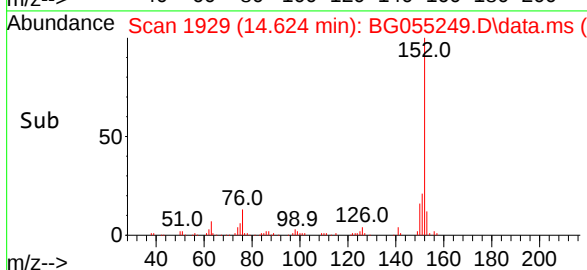
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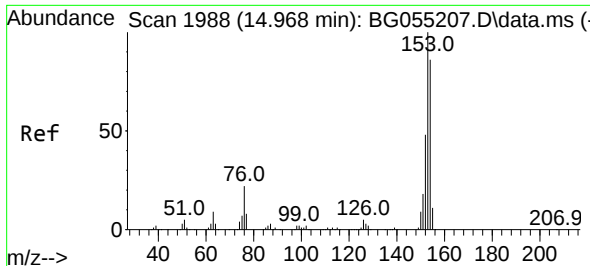


#49
Acenaphthylene
Concen: 5.499 ng
RT: 14.624 min Scan# 1929
Delta R.T. -0.003 min
Lab File: BG055249.D
Acq: 22 Oct 2022 1:19



Tgt Ion:152 Resp: 94971
Ion Ratio Lower Upper
152 100
151 20.8 17.3 25.9
153 12.7 11.0 16.6





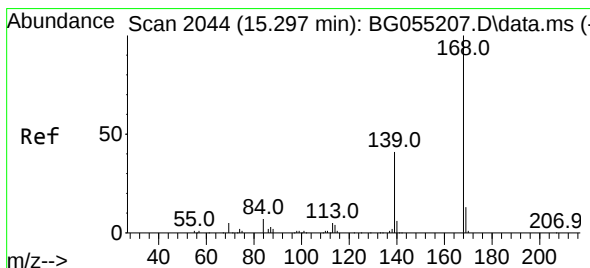
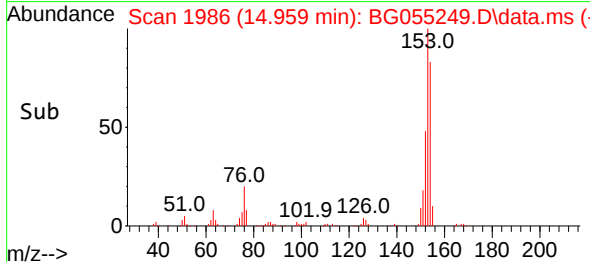
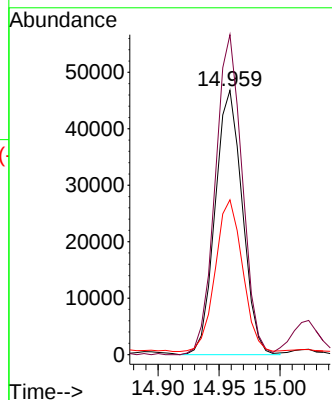
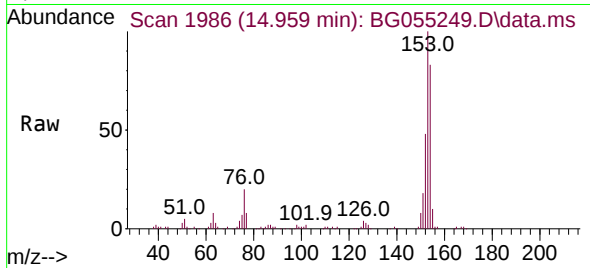
#52
Acenaphthene
Concen: 6.609 ng
RT: 14.959 min Scan# 1986
Delta R.T. -0.009 min
Lab File: BG055249.D
Acq: 22 Oct 2022 1:19

Instrument :
BNA_G
ClientSampleId :
SB-B1-COMP

Tgt Ion:154 Resp: 72674
Ion Ratio Lower Upper
154 100
153 121.1 93.3 139.9
152 58.6 45.1 67.7

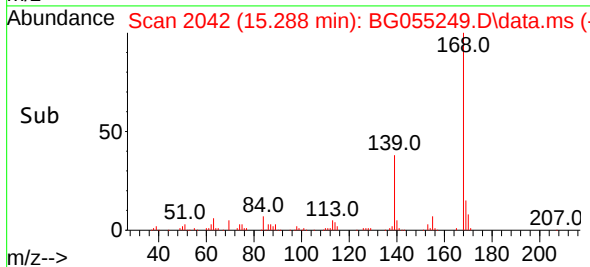
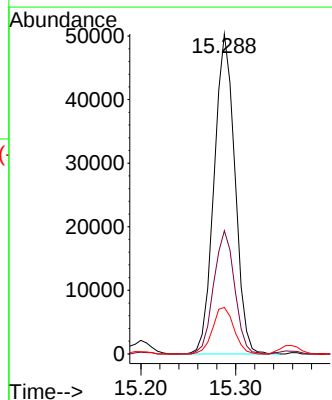
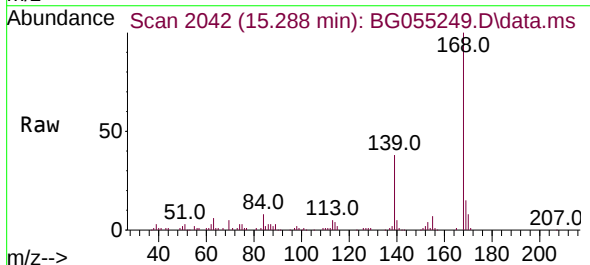
Manual Integrations
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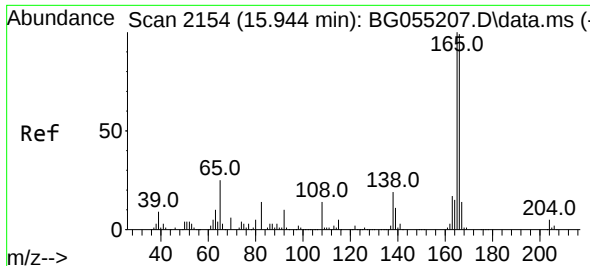
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022



#55
Dibenzofuran
Concen: 4.823 ng
RT: 15.288 min Scan# 2042
Delta R.T. -0.009 min
Lab File: BG055249.D
Acq: 22 Oct 2022 1:19

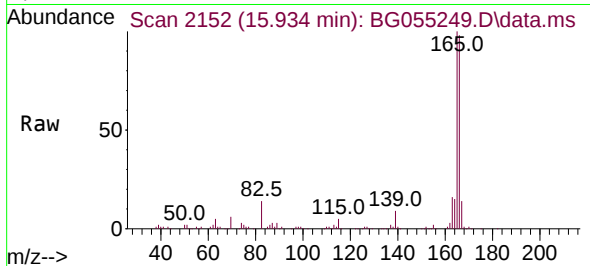
Tgt Ion:168 Resp: 76394
Ion Ratio Lower Upper
168 100
139 38.5 32.6 48.8
169 14.5 10.7 16.1





#58
Fluorene
Concen: 8.033 ng
RT: 15.934 min Scan# 2154
Delta R.T. -0.009 min
Lab File: BG055249.D
Acq: 22 Oct 2022 1:19

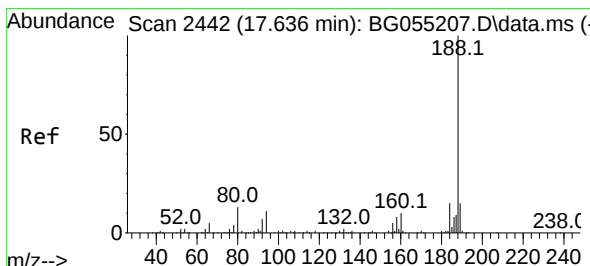
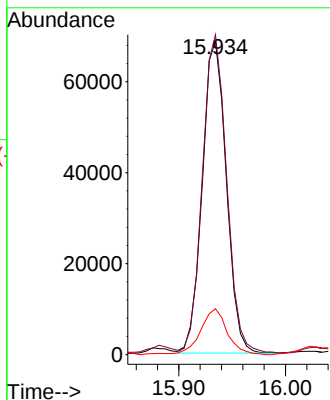
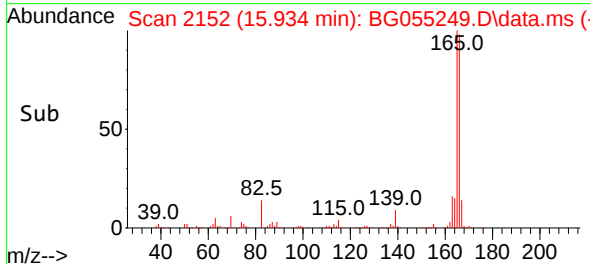
Instrument :
BNA_G
ClientSampleId :
SB-B1-COMP



Tgt Ion:166 Resp: 10715
Ion Ratio Lower Upper
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165 102.1 81.0 121.6
167 14.6 11.0 16.4

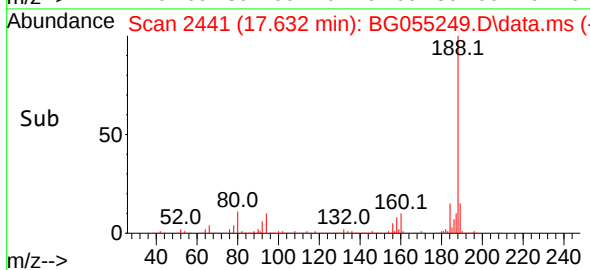
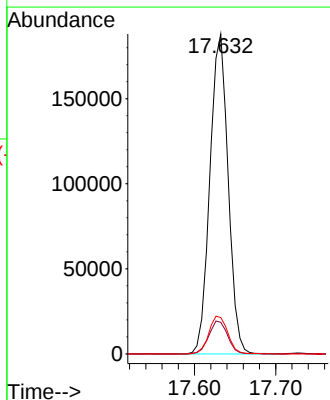
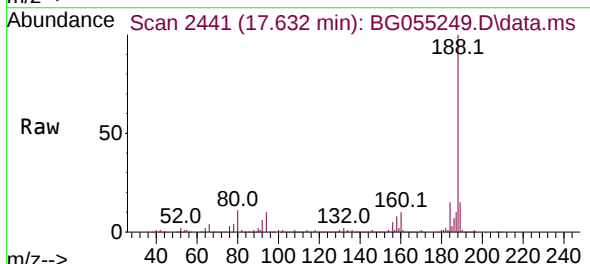
Manual Integrations
APPROVED

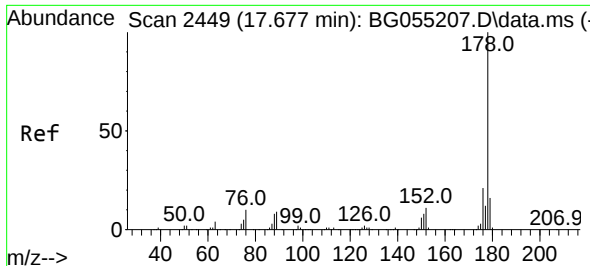
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.632 min Scan# 2441
Delta R.T. -0.003 min
Lab File: BG055249.D
Acq: 22 Oct 2022 1:19

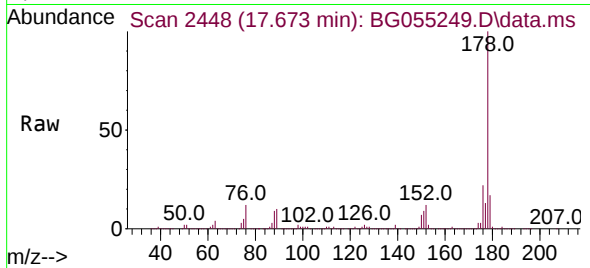
Tgt Ion:188 Resp: 292911
Ion Ratio Lower Upper
188 100
94 9.9 8.6 12.8
80 11.4 10.4 15.6





#71
Phenanthrene
Concen: 79.296 ng
RT: 17.673 min Scan# 2449
Delta R.T. -0.003 min
Lab File: BG055249.D
Acq: 22 Oct 2022 1:19

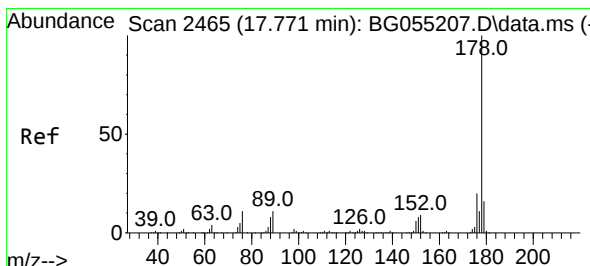
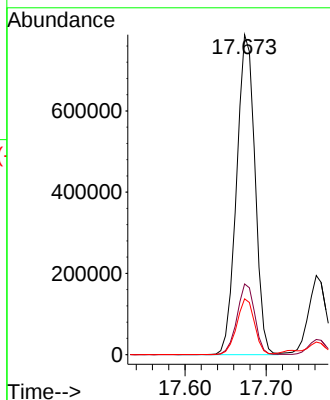
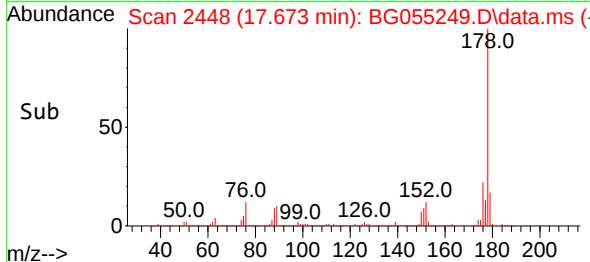
Instrument :
BNA_G
ClientSampleId :
SB-B1-COMP



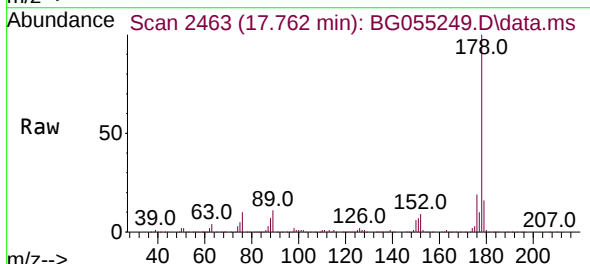
Tgt Ion:178 Resp: 123941
Ion Ratio Lower Upper
178 100
176 22.1 16.4 24.6
179 17.4 12.8 19.2

Manual Integrations
APPROVED

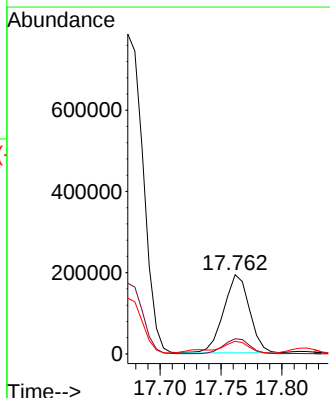
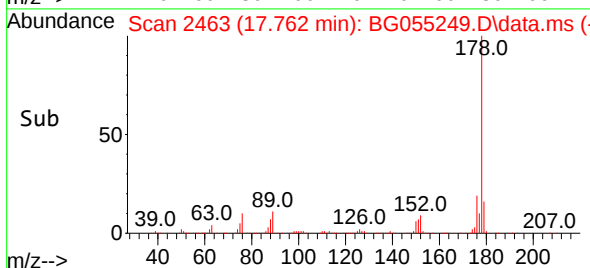
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022

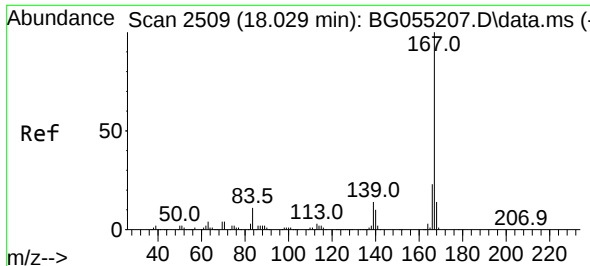


#72
Anthracene
Concen: 18.610 ng
RT: 17.762 min Scan# 2463
Delta R.T. -0.009 min
Lab File: BG055249.D
Acq: 22 Oct 2022 1:19



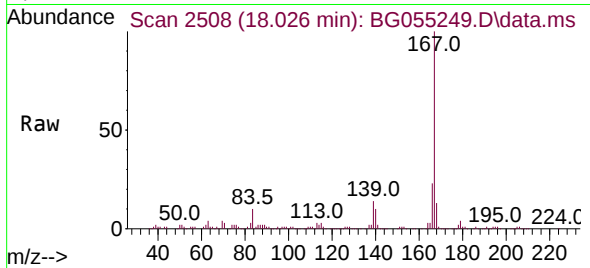
Tgt Ion:178 Resp: 284248
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.2
179 16.0 13.0 19.4





#73
 Carbazole
 Concen: 9.984 ng
 RT: 18.026 min Scan# 2509
 Delta R.T. -0.003 min
 Lab File: BG055249.D
 Acq: 22 Oct 2022 1:19

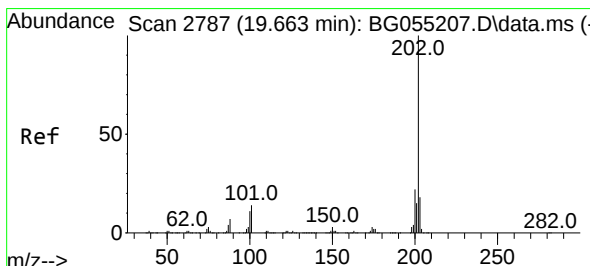
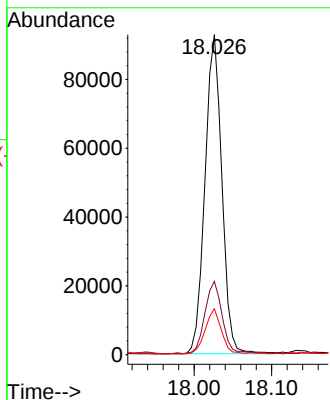
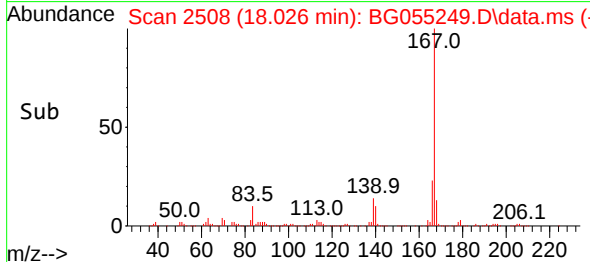
Instrument :
 BNA_G
 ClientSampleId :
 SB-B1-COMP



Tgt Ion:167 Resp: 140434
 Ion Ratio Lower Upper
 167 100
 166 22.9 18.5 27.7
 139 14.3 11.3 16.9

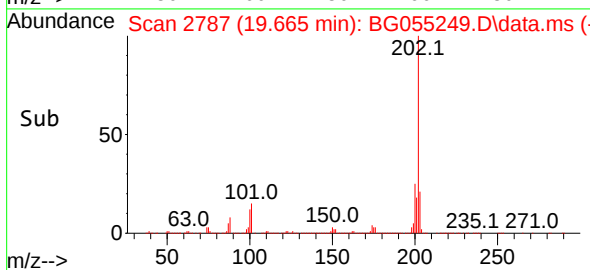
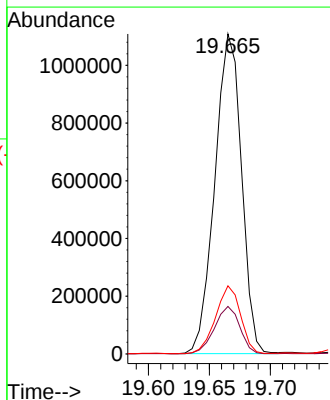
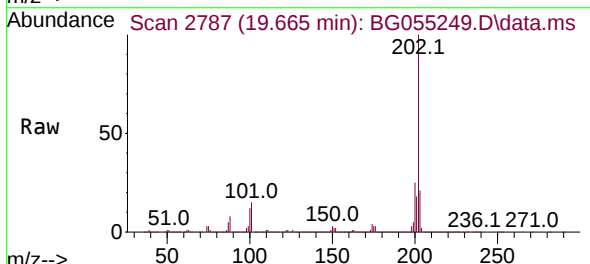
Manual Integrations
 APPROVED

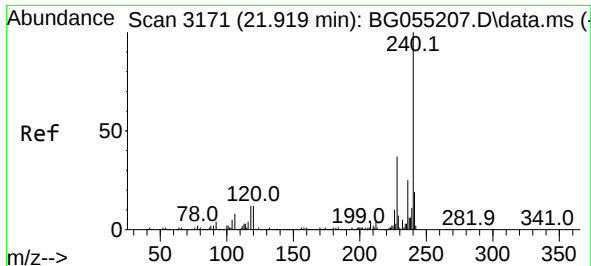
Reviewed By :Christian Giraldo 10/24/2022
 Supervised By :Jagrut Upadhyay 10/24/2022



#75
 Fluoranthene
 Concen: 97.405 ng
 RT: 19.665 min Scan# 2787
 Delta R.T. 0.002 min
 Lab File: BG055249.D
 Acq: 22 Oct 2022 1:19

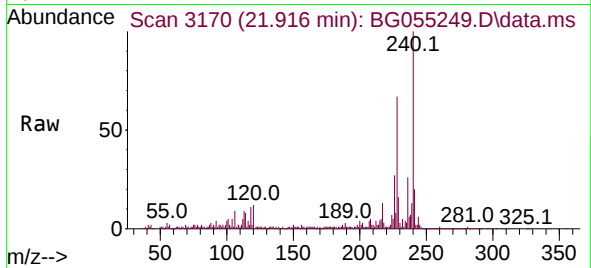
Tgt Ion:202 Resp: 1686433
 Ion Ratio Lower Upper
 202 100
 101 14.8 0.0 34.2
 203 21.3 0.0 38.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.916 min Scan# 3171
Delta R.T. -0.003 min
Lab File: BG055249.D
Acq: 22 Oct 2022 1:19

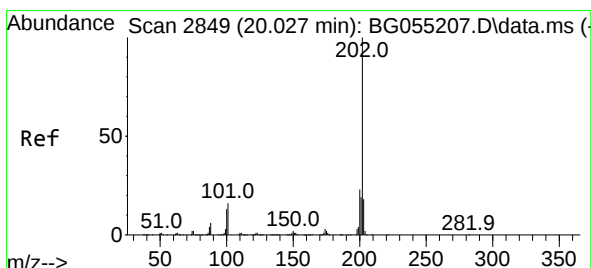
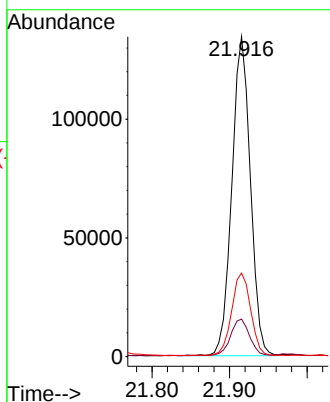
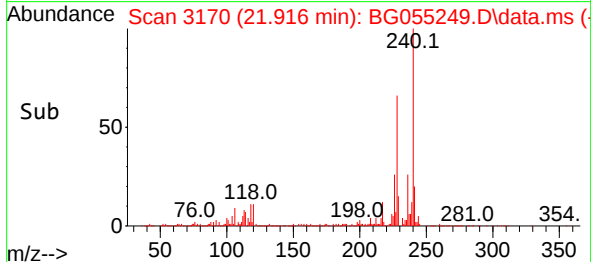
Instrument :
BNA_G
ClientSampleId :
SB-B1-COMP



Tgt Ion:240 Resp: 222744
Ion Ratio Lower Upper
240 100
120 11.7 9.2 13.8
236 26.1 20.4 30.6

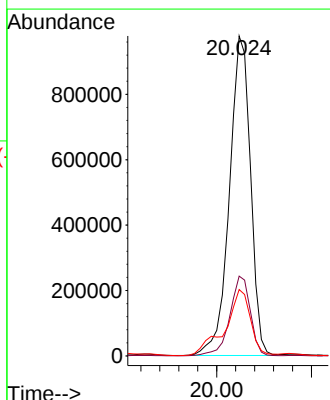
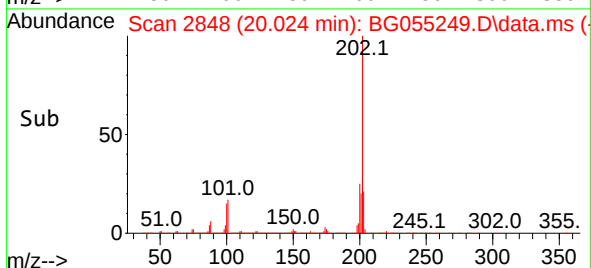
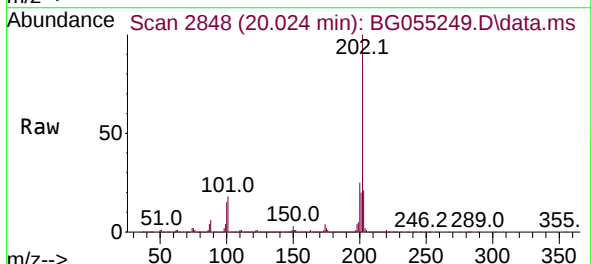
Manual Integrations
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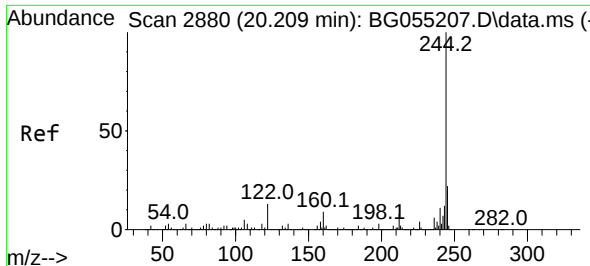
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022



#78
Pyrene
Concen: 90.174 ng
RT: 20.024 min Scan# 2848
Delta R.T. -0.003 min
Lab File: BG055249.D
Acq: 22 Oct 2022 1:19

Tgt Ion:202 Resp: 1513472
Ion Ratio Lower Upper
202 100
200 25.0 18.2 27.2
203 20.7 14.6 22.0





#79
 Terphenyl-d14
 Concen: 56.070 ng
 RT: 20.206 min Scan# 2880
 Delta R.T. -0.003 min
 Lab File: BG055249.D
 Acq: 22 Oct 2022 1:19

Instrument :

BNA_G

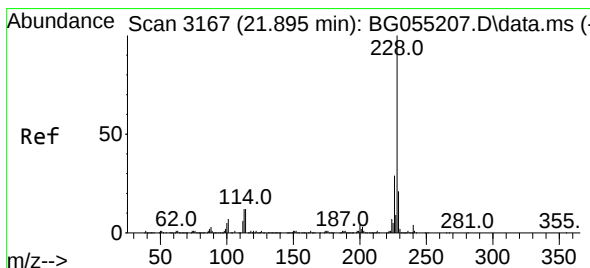
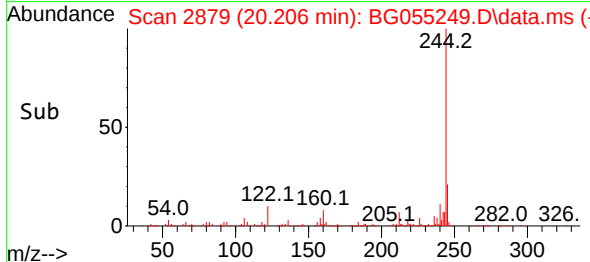
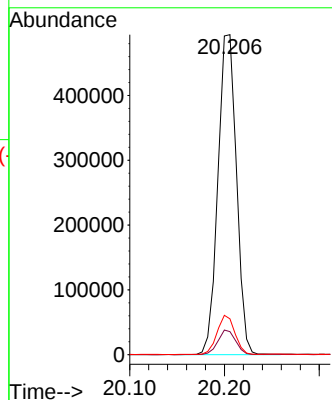
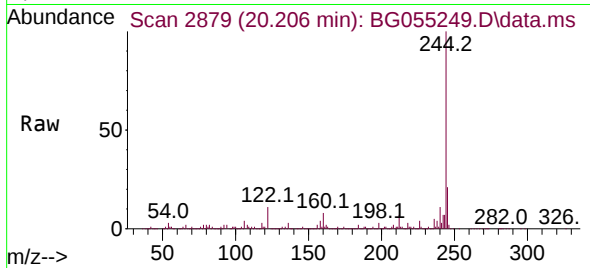
ClientSampleId :

SB-B1-COMP

Tgt Ion:244 Resp: 670279
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.3 9.5
 122 11.2 10.0 15.0

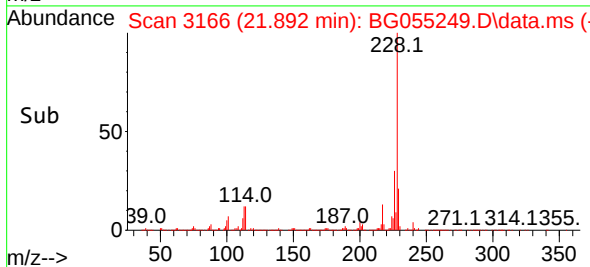
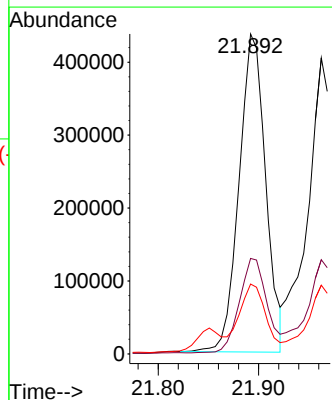
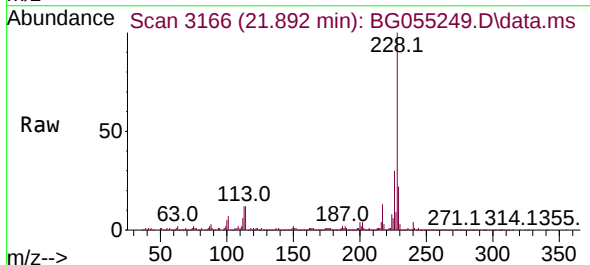
Manual Integrations
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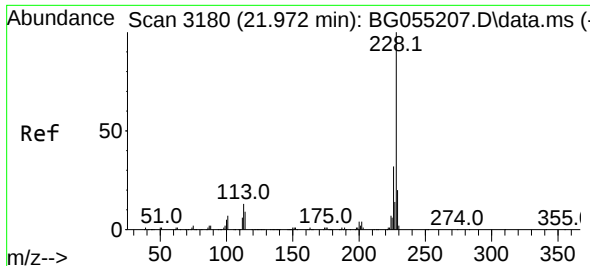
Reviewed By :Christian Giraldo 10/24/2022
 Supervised By :Jagrut Upadhyay 10/24/2022



#81
 Benzo(a)anthracene
 Concen: 55.488 ng
 RT: 21.892 min Scan# 3166
 Delta R.T. -0.003 min
 Lab File: BG055249.D
 Acq: 22 Oct 2022 1:19

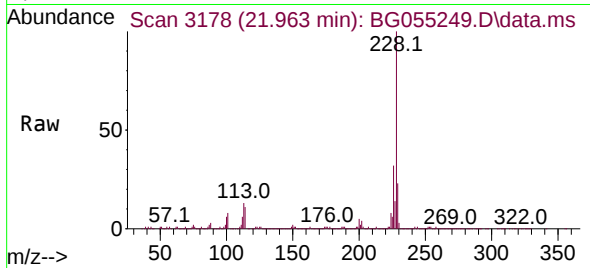
Tgt Ion:228 Resp: 801700
 Ion Ratio Lower Upper
 228 100
 226 29.8 23.1 34.7
 229 21.8 16.5 24.7





#83
Chrysene
Concen: 56.504 ng
RT: 21.963 min Scan# 3180
Delta R.T. -0.009 min
Lab File: BG055249.D
Acq: 22 Oct 2022 1:19

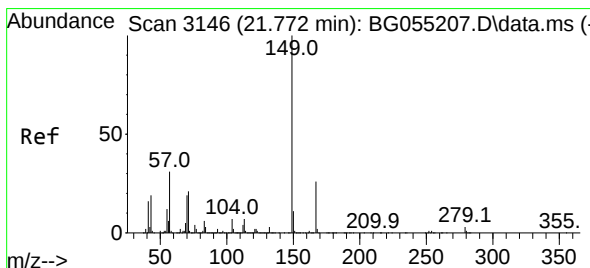
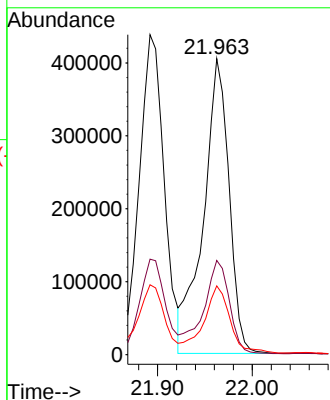
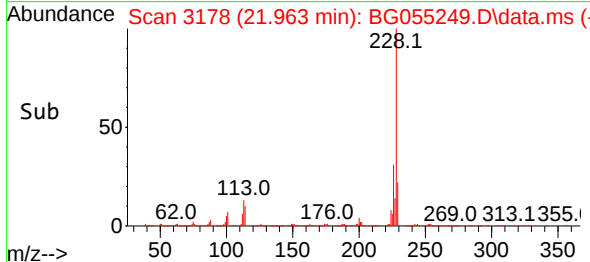
Instrument :
BNA_G
ClientSampleId :
SB-B1-COMP



Tgt Ion:228 Resp: 760263
Ion Ratio Lower Upper
228 100
226 31.8 25.4 38.2
229 23.2 15.8 23.8

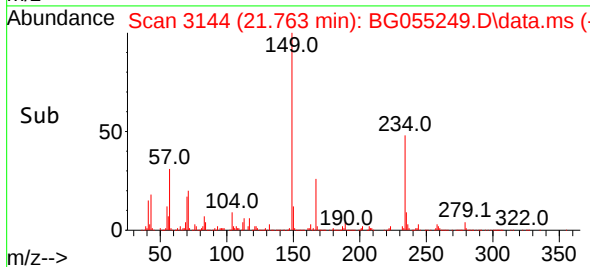
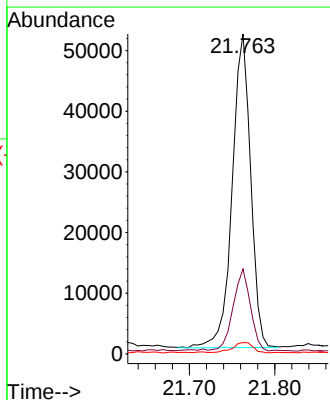
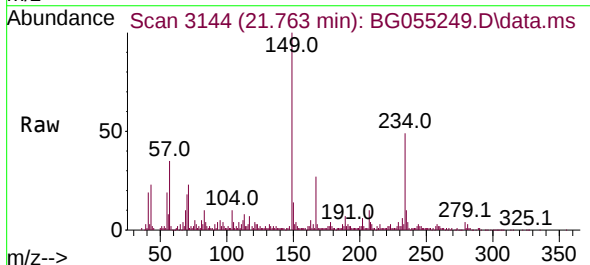
Manual Integrations
APPROVED

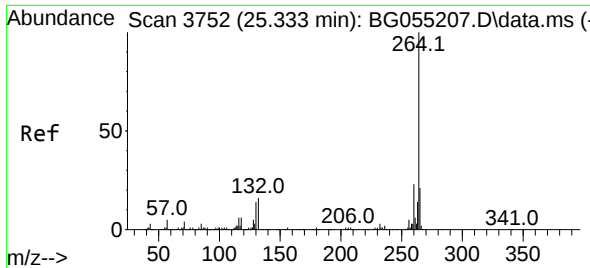
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 7.560 ng
RT: 21.763 min Scan# 3144
Delta R.T. -0.009 min
Lab File: BG055249.D
Acq: 22 Oct 2022 1:19

Tgt Ion:149 Resp: 77600
Ion Ratio Lower Upper
149 100
167 26.5 20.6 31.0
279 3.5 2.6 4.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.329 min Scan# 3751
 Delta R.T. -0.003 min
 Lab File: BG055249.D
 Acq: 22 Oct 2022 1:19

Instrument :

BNA_G

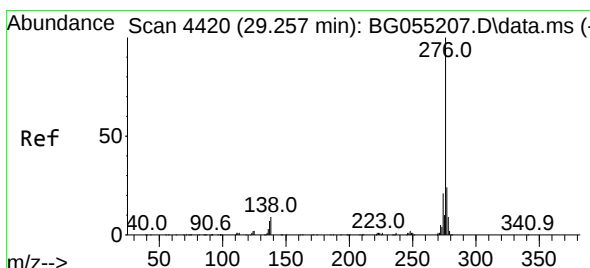
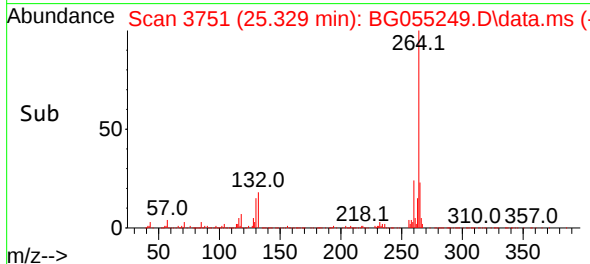
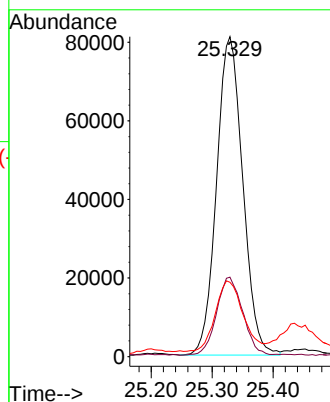
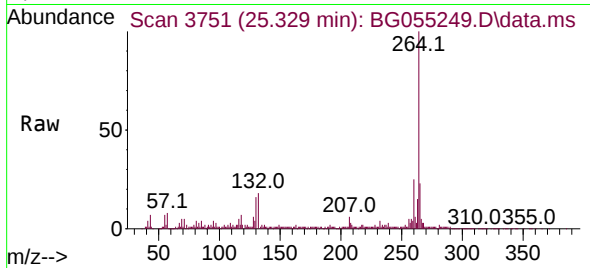
ClientSampleId :

SB-B1-COMP

Tgt Ion:264 Resp: 241950
 Ion Ratio Lower Upper
 264 100
 260 24.8 18.6 27.8
 265 23.2 17.1 25.7

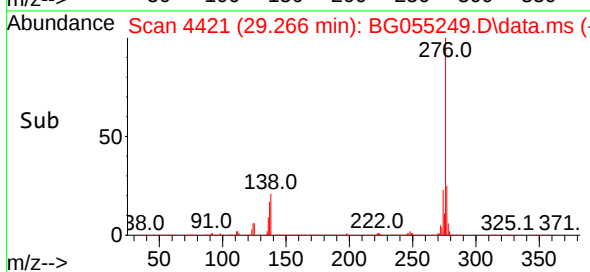
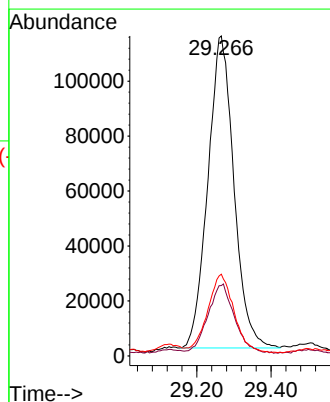
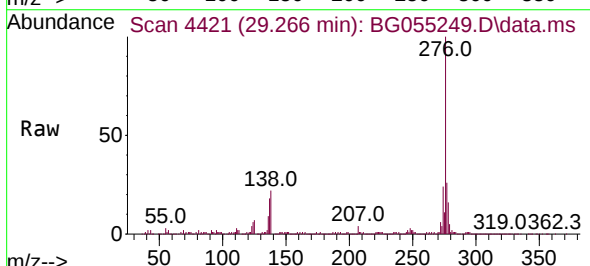
Manual Integrations
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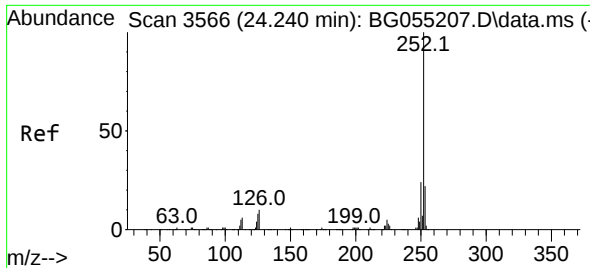
Reviewed By :Christian Giraldo 10/24/2022
 Supervised By :Jagrut Upadhyay 10/24/2022



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 32.840 ng
 RT: 29.266 min Scan# 4421
 Delta R.T. 0.008 min
 Lab File: BG055249.D
 Acq: 22 Oct 2022 1:19

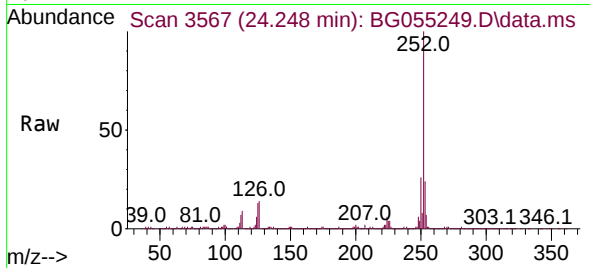
Tgt Ion:276 Resp: 552642
 Ion Ratio Lower Upper
 276 100
 138 21.9 9.5 14.3#
 277 25.2 20.5 30.7





#88
Benzo(b)fluoranthene
Concen: 74.565 ng
RT: 24.248 min Scan# 3566
Delta R.T. 0.008 min
Lab File: BG055249.D
Acq: 22 Oct 2022 1:19

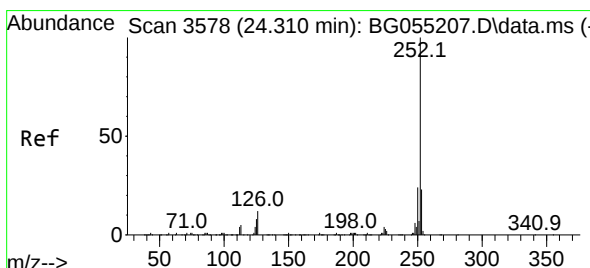
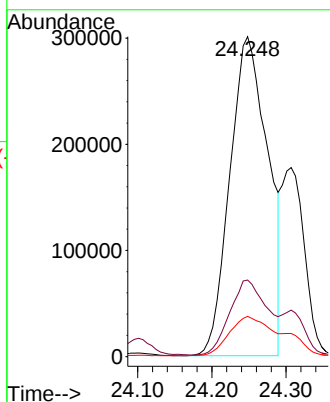
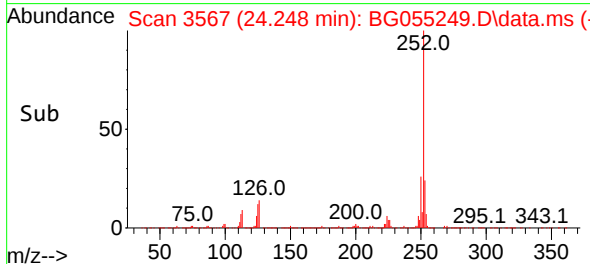
Instrument :
BNA_G
ClientSampleId :
SB-B1-COMP



Tgt Ion:252 Resp: 1071328
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 12.6 6.2 9.2

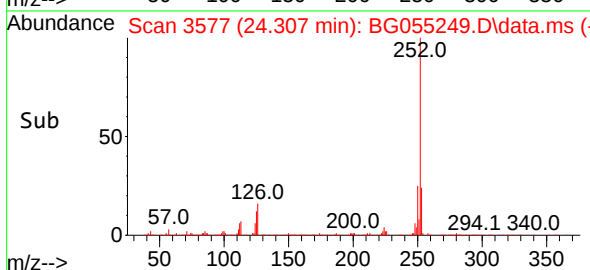
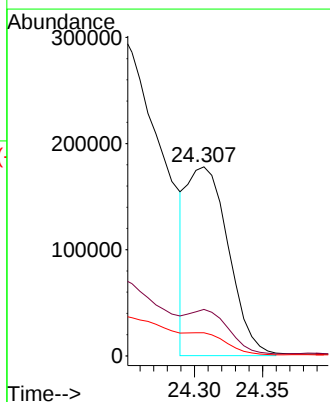
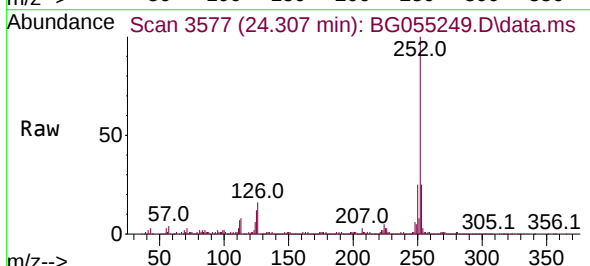
Manual Integrations
APPROVED

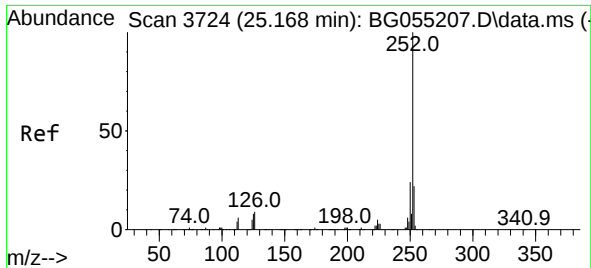
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022



#89
Benzo(k)fluoranthene
Concen: 25.861 ng m
RT: 24.307 min Scan# 3577
Delta R.T. -0.003 min
Lab File: BG055249.D
Acq: 22 Oct 2022 1:19

Tgt Ion:252 Resp: 376305
Ion Ratio Lower Upper
252 100
253 24.6 18.0 27.0
125 12.2 6.5 9.7





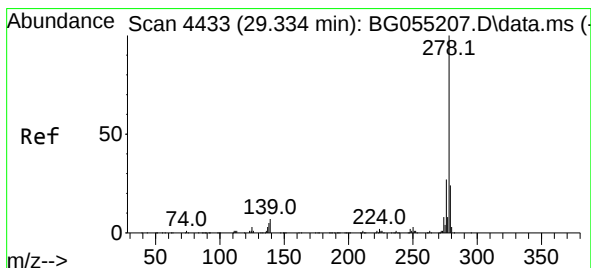
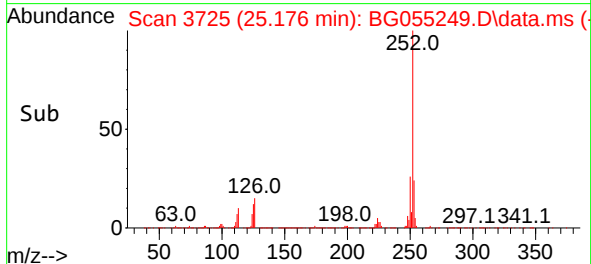
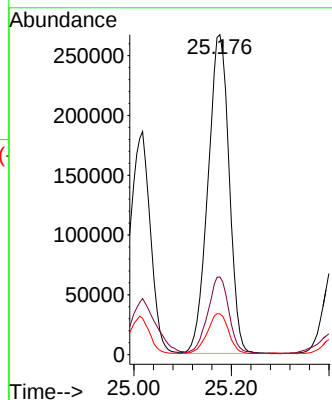
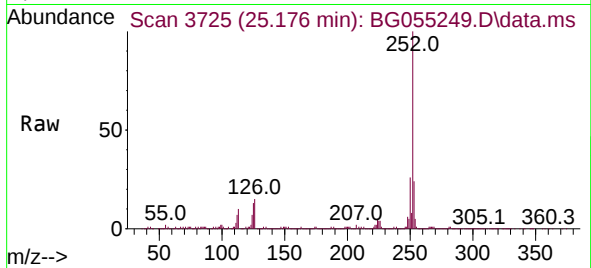
#90
Benzo(a)pyrene
Concen: 65.080 ng
RT: 25.176 min Scan# 31
Delta R.T. 0.008 min
Lab File: BG055249.D
Acq: 22 Oct 2022 1:19

Instrument :
BNA_G
ClientSampleId :
SB-B1-COMP

Tgt Ion:252 Resp: 802566
Ion Ratio Lower Upper
252 100
253 24.3 17.4 26.2
125 12.7 6.2 9.2

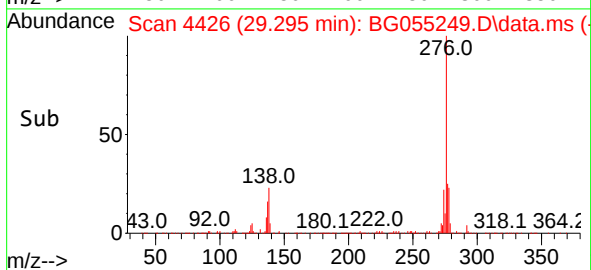
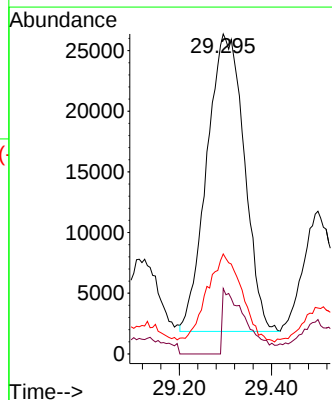
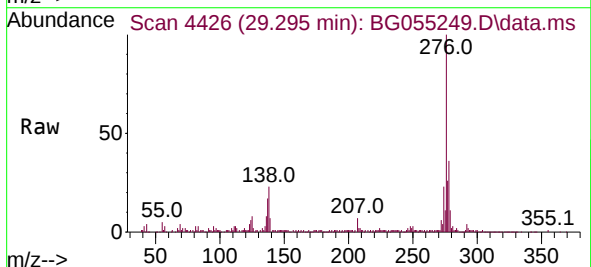
Manual Integrations
APPROVED

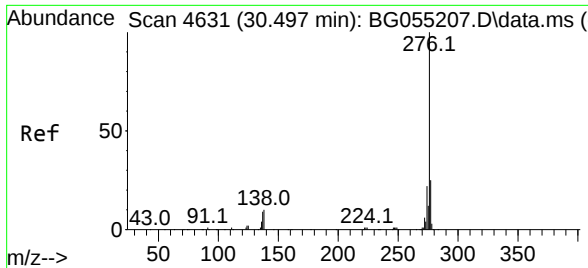
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022



#91
Dibenzo(a,h)anthracene
Concen: 10.013 ng
RT: 29.295 min Scan# 4426
Delta R.T. -0.039 min
Lab File: BG055249.D
Acq: 22 Oct 2022 1:19

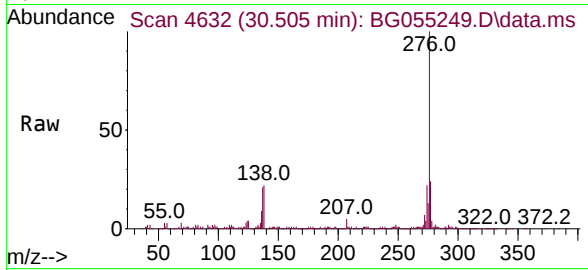
Tgt Ion:278 Resp: 138050
Ion Ratio Lower Upper
278 100
139 20.4 5.6 8.4#
279 31.2 19.5 29.3#





#92
 Benzo(g,h,i)perylene
 Concen: 40.484 ng
 RT: 30.505 min Scan# 4632
 Delta R.T. 0.008 min
 Lab File: BG055249.D
 Acq: 22 Oct 2022 1:19

Instrument :
 BNA_G
 ClientSampleId :
 SB-B1-COMP



Tgt Ion: 276 Resp: 540672

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.7	29.5
138	21.7	8.0	12.0

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/24/2022
 Supervised By : Jagrut Upadhyay 10/24/2022

