

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020723\
 Data File : BG056574.D
 Acq On : 7 Feb 2023 19:25
 Operator : CG/JU
 Sample : 01460-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-2-020623

Quant Time: Feb 08 03:07:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 08 03:02:11 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/08/2023
 Supervised By : Jagrut Upadhyay 02/08/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.271	152	42657	20.000	ng	0.00
21) Naphthalene-d8	11.103	136	158774	20.000	ng	0.00
39) Acenaphthene-d10	14.887	164	115991	20.000	ng	0.00
64) Phenanthrene-d10	17.631	188	256855	20.000	ng	0.00
76) Chrysene-d12	21.920	240	237540	20.000	ng	0.00
86) Perylene-d12	25.345	264	263392	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.792	112	222777	96.072	ng	0.00
7) Phenol-d6	7.419	99	303335	88.287	ng	0.00
23) Nitrobenzene-d5	9.446	82	162213	58.015	ng	0.00
42) 2,4,6-Tribromophenol	16.373	330	117752	76.362	ng	0.00
45) 2-Fluorobiphenyl	13.512	172	487213	58.236	ng	0.00
79) Terphenyl-d14	20.204	244	749135	55.391	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.672	178	206531	15.363	ng	99
72) Anthracene	17.760	178	60291	4.369	ng	99
75) Fluoranthene	19.664	202	422104	24.878	ng	100
78) Pyrene	20.028	202	369066	21.846	ng	99
81) Benzo(a)anthracene	21.896	228	218629	13.165	ng	100
83) Chrysene	21.967	228	196525m	12.596	ng	
87) Indeno(1,2,3-cd)pyrene	29.288	276	111645	5.791	ng	# 86
88) Benzo(b)fluoranthene	24.252	252	264986	16.209	ng	99
89) Benzo(k)fluoranthene	24.311	252	90293m	5.470	ng	
90) Benzo(a)pyrene	25.186	252	197967	12.293	ng	# 98
92) Benzo(g,h,i)perylene	30.527	276	99723	6.386	ng	99

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

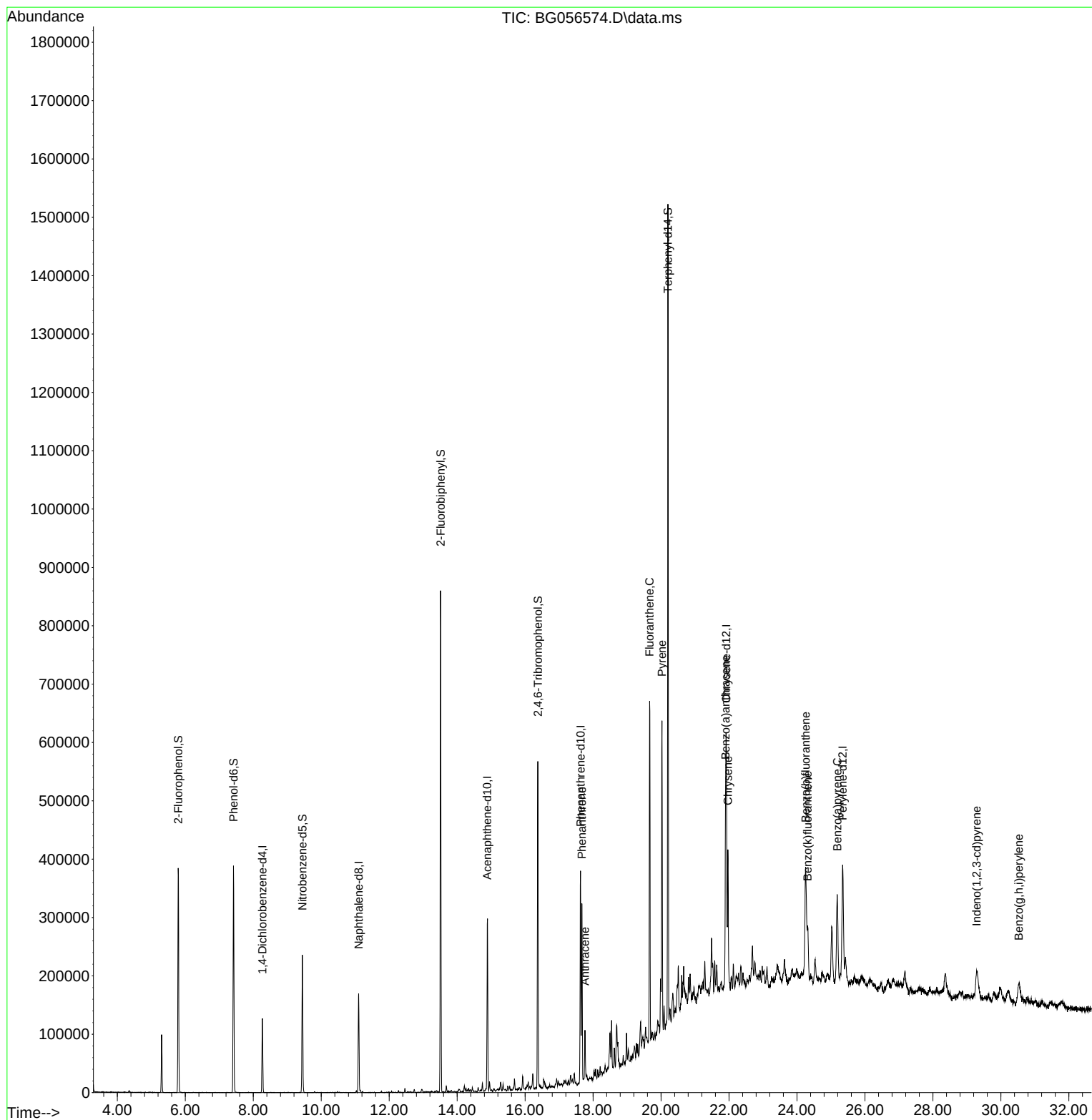
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020723\
Data File : BG056574.D
Acq On : 7 Feb 2023 19:25
Operator : CG/JU
Sample : 01460-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

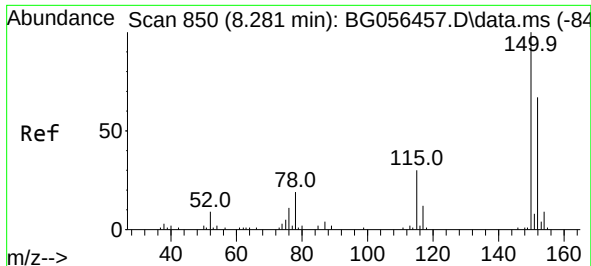
Instrument :
BNA_G
ClientSampleId :
OR-2-020623

Quant Time: Feb 08 03:07:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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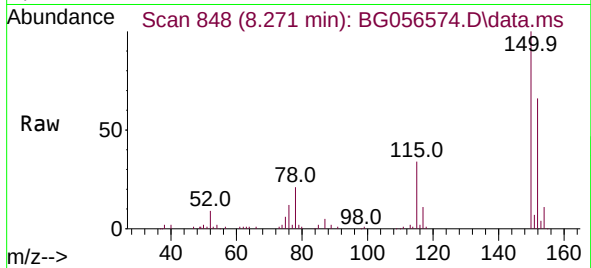
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.271 min Scan# 84
Delta R.T. 0.002 min
Lab File: BG056574.D
Acq: 7 Feb 2023 19:25

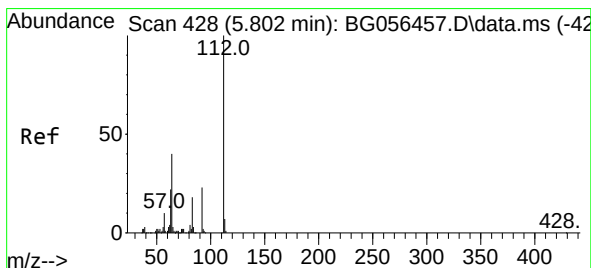
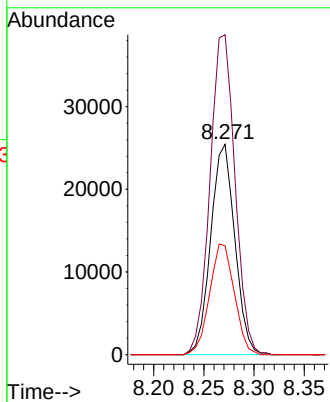
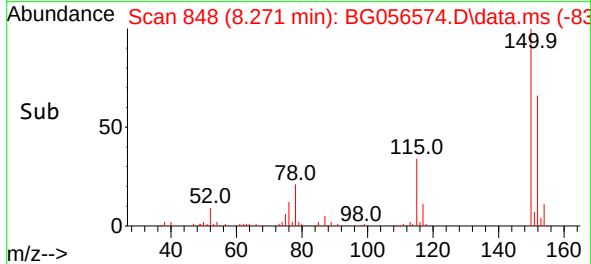
Instrument :
BNA_G
ClientSampleId :
OR-2-020623



Tgt Ion:152 Resp: 42652
Ion Ratio Lower Upper
152 100
150 152.1 120.2 180.4
115 51.8 36.3 54.5

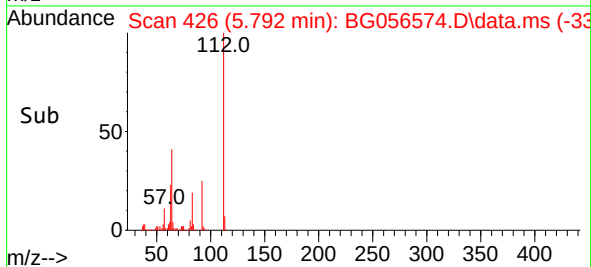
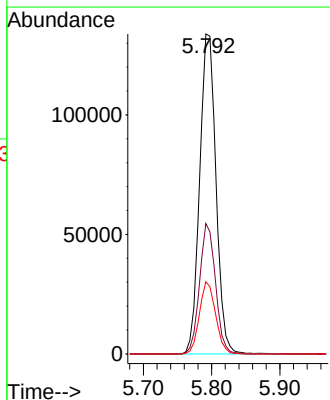
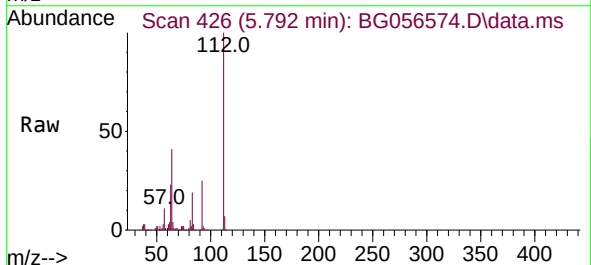
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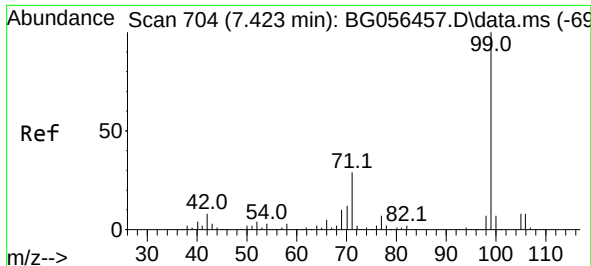
Reviewed By :Christian Giraldo 02/08/2023
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#5
2-Fluorophenol
Concen: 96.072 ng
RT: 5.792 min Scan# 426
Delta R.T. 0.002 min
Lab File: BG056574.D
Acq: 7 Feb 2023 19:25

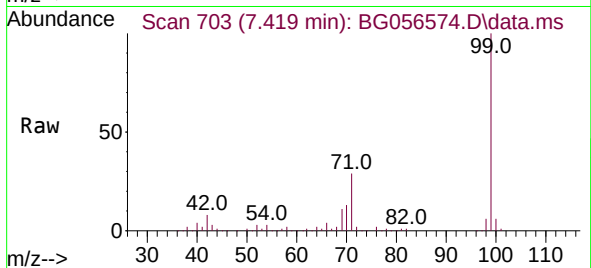
Tgt Ion:112 Resp: 222777
Ion Ratio Lower Upper
112 100
64 40.7 31.9 47.9
63 22.5 17.4 26.0





#7
Phenol-d6
Concen: 88.287 ng
RT: 7.419 min Scan# 704
Delta R.T. 0.002 min
Lab File: BG056574.D
Acq: 7 Feb 2023 19:25

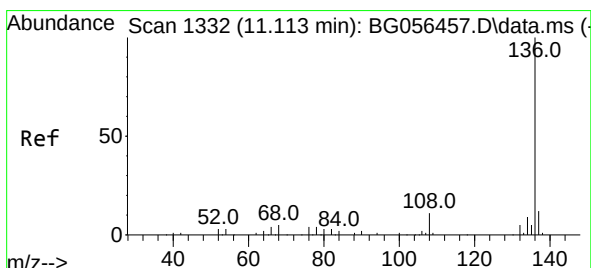
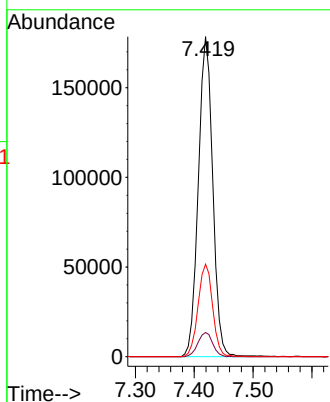
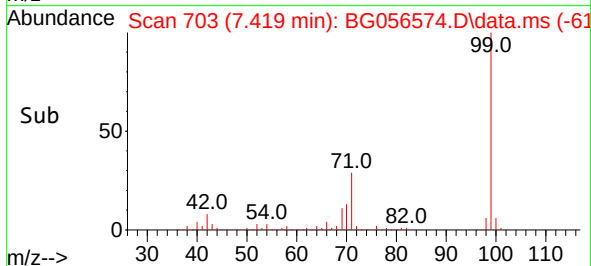
Instrument :
BNA_G
ClientSampleId :
OR-2-020623



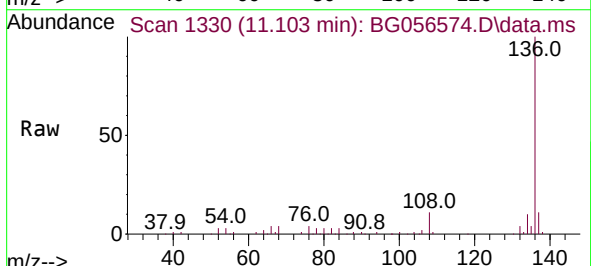
Tgt Ion: 99 Resp: 303335
Ion Ratio Lower Upper
99 100
42 7.5 6.6 10.0
71 28.9 23.4 35.0

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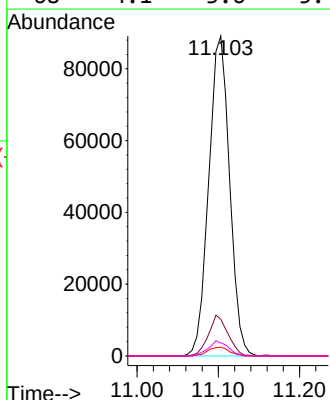
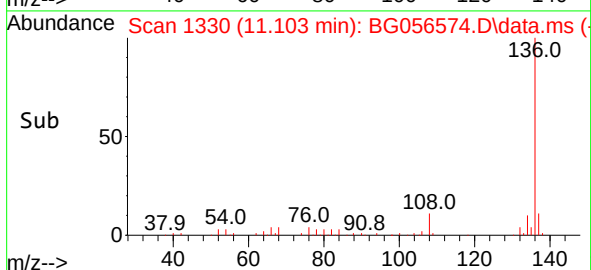
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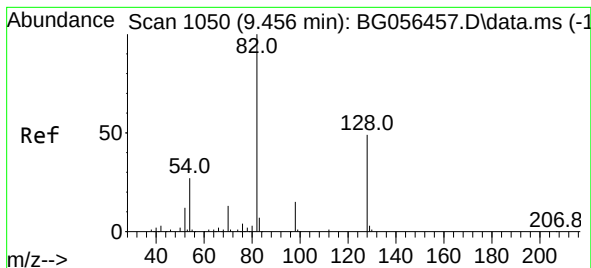


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.103 min Scan# 1330
Delta R.T. 0.002 min
Lab File: BG056574.D
Acq: 7 Feb 2023 19:25



Tgt Ion:136 Resp: 158774
Ion Ratio Lower Upper
136 100
137 11.5 9.4 14.0
54 2.7 2.2 3.4
68 4.1 3.6 5.4





#23

Nitrobenzene-d5

Concen: 58.015 ng

RT: 9.446 min Scan# 1048

Delta R.T. 0.002 min

Lab File: BG056574.D

Acq: 7 Feb 2023 19:25

Instrument :

BNA_G

ClientSampleId :

OR-2-020623

Tgt Ion: 82 Resp: 162213

Ion Ratio Lower Upper

82 100

128 46.0 39.4 59.2

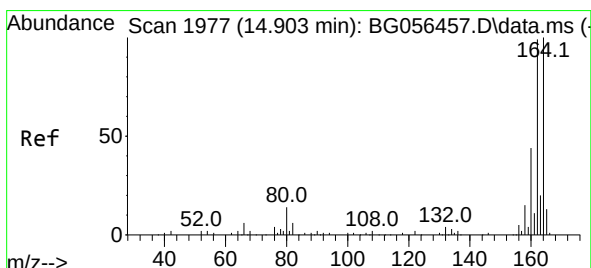
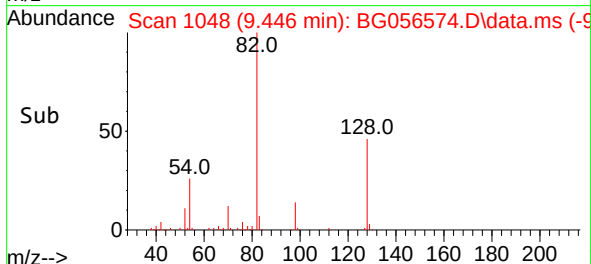
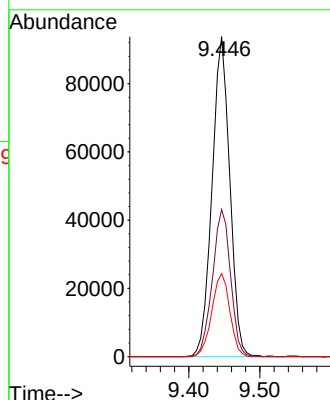
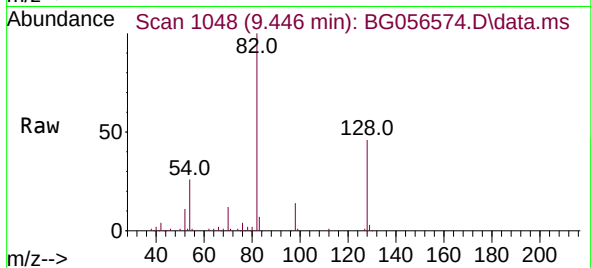
54 25.9 21.4 32.2

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.887 min Scan# 1974

Delta R.T. -0.004 min

Lab File: BG056574.D

Acq: 7 Feb 2023 19:25

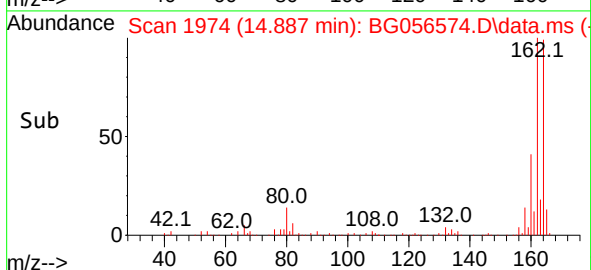
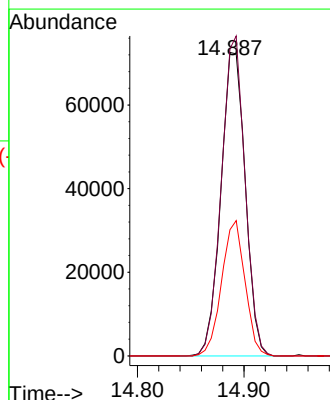
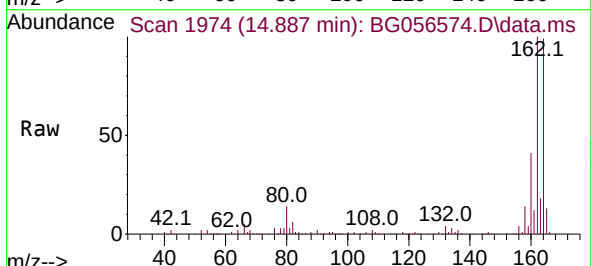
Tgt Ion:164 Resp: 115991

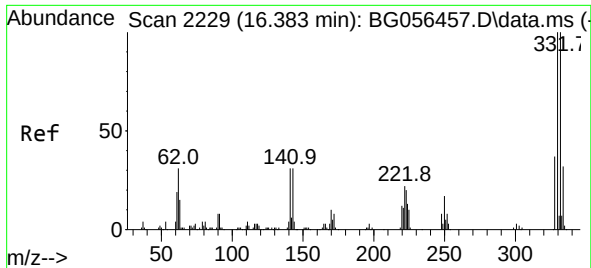
Ion Ratio Lower Upper

164 100

162 101.2 79.6 119.4

160 41.6 34.9 52.3





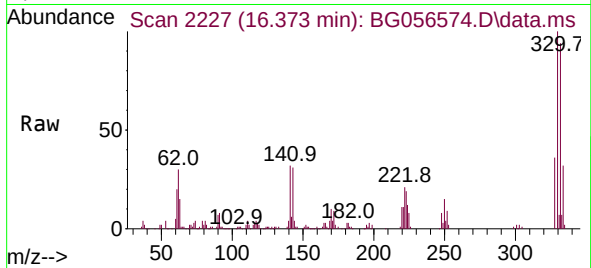
#42
2,4,6-Tribromophenol
Concen: 76.362 ng
RT: 16.373 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG056574.D
Acq: 7 Feb 2023 19:25

Instrument :

BNA_G

ClientSampleId :

OR-2-020623

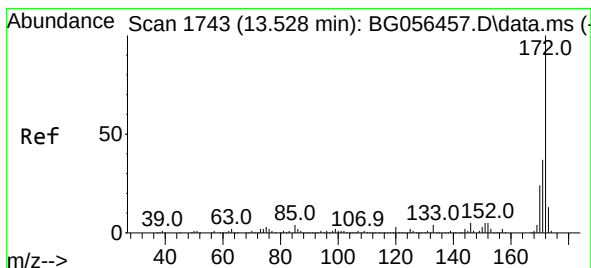
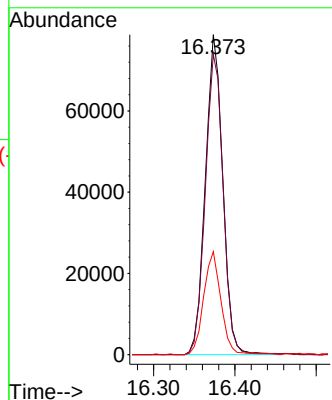
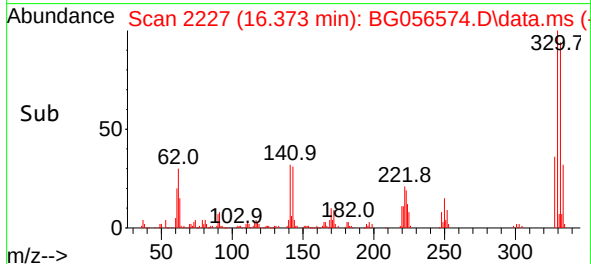


Tgt Ion:330 Resp: 117752
Ion Ratio Lower Upper
330 100
332 96.0 79.0 118.6
141 32.0 24.2 36.4

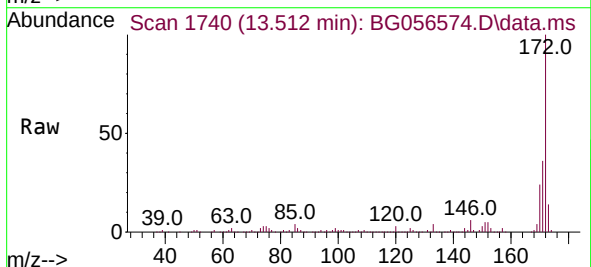
Manual Integrations

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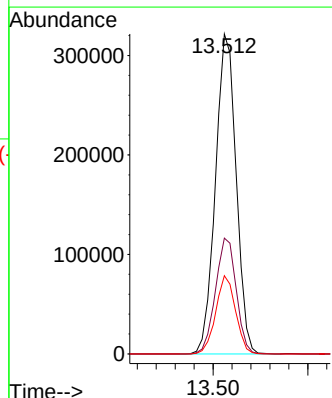
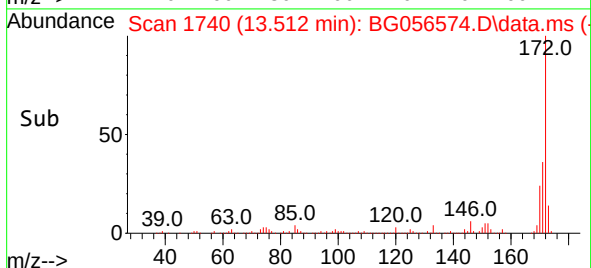
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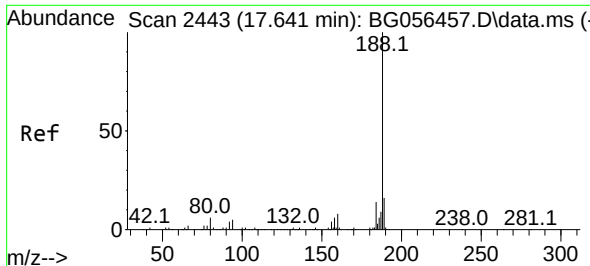


#45
2-Fluorobiphenyl
Concen: 58.236 ng
RT: 13.512 min Scan# 1740
Delta R.T. -0.004 min
Lab File: BG056574.D
Acq: 7 Feb 2023 19:25



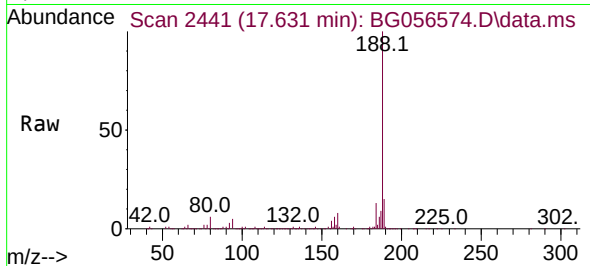
Tgt Ion:172 Resp: 487213
Ion Ratio Lower Upper
172 100
171 36.2 29.5 44.3
170 24.4 19.2 28.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.631 min Scan# 2441
Delta R.T. 0.002 min
Lab File: BG056574.D
Acq: 7 Feb 2023 19:25

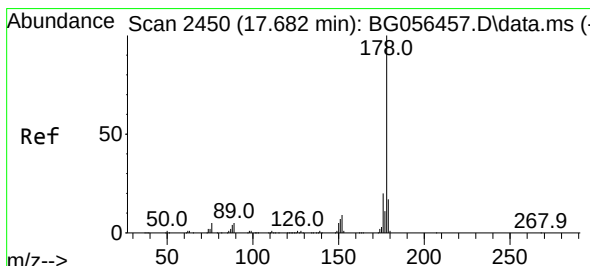
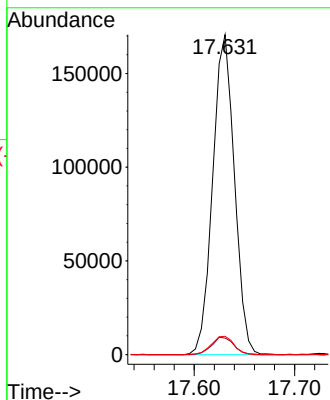
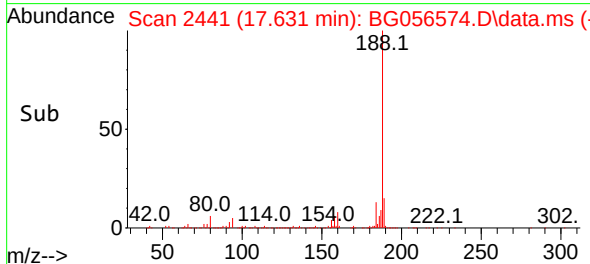
Instrument :
BNA_G
ClientSampleId :
OR-2-020623



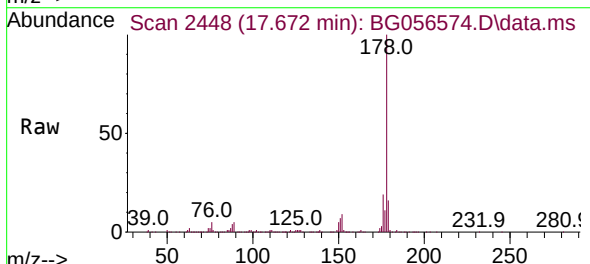
Tgt Ion:188 Resp: 256855
Ion Ratio Lower Upper
188 100
94 5.2 4.1 6.1
80 5.7 5.0 7.4

Manual Integrations
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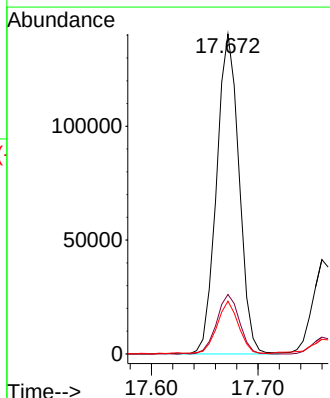
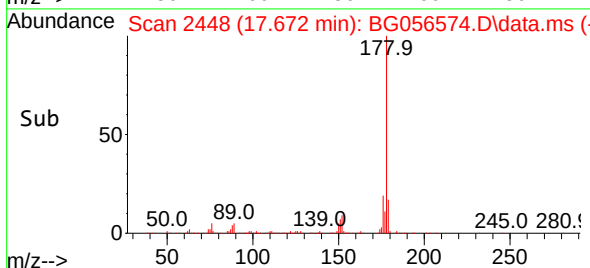
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Supervised By :Jagrut Upadhyay 02/08/2023

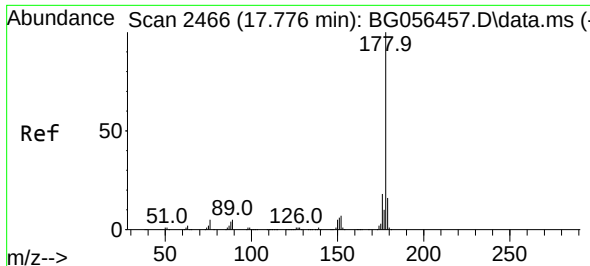


#71
Phenanthrene
Concen: 15.363 ng
RT: 17.672 min Scan# 2448
Delta R.T. 0.002 min
Lab File: BG056574.D
Acq: 7 Feb 2023 19:25



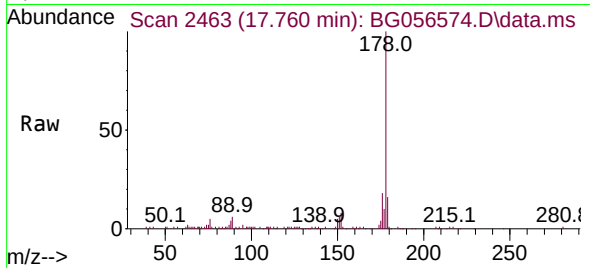
Tgt Ion:178 Resp: 206531
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 16.5 13.3 19.9





#72
 Anthracene
 Concen: 4.369 ng
 RT: 17.760 min Scan# 2466
 Delta R.T. -0.004 min
 Lab File: BG056574.D
 Acq: 7 Feb 2023 19:25

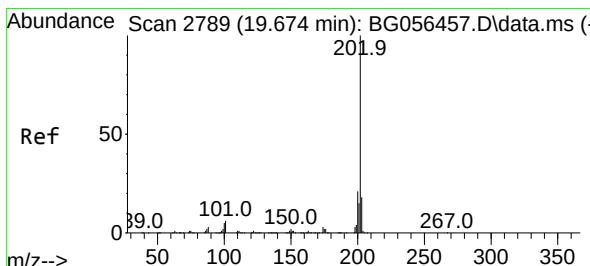
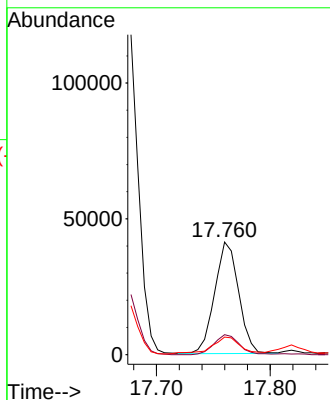
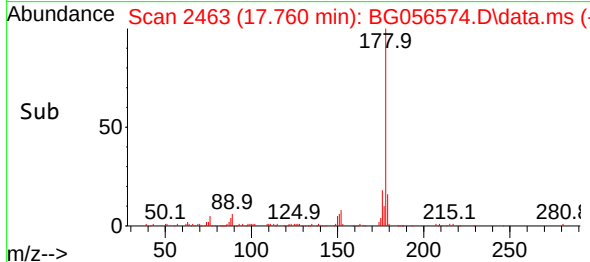
Instrument :
 BNA_G
 ClientSampleId :
 OR-2-020623



Tgt Ion:178 Resp: 60291
 Ion Ratio Lower Upper
 178 100
 176 17.7 14.5 21.7
 179 15.6 12.5 18.7

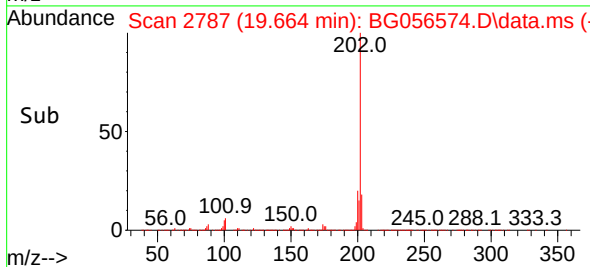
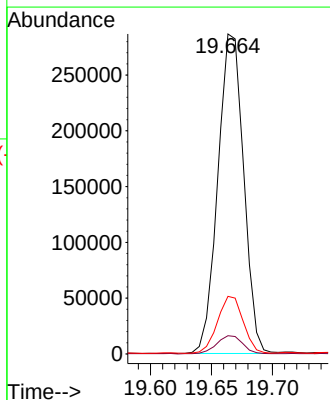
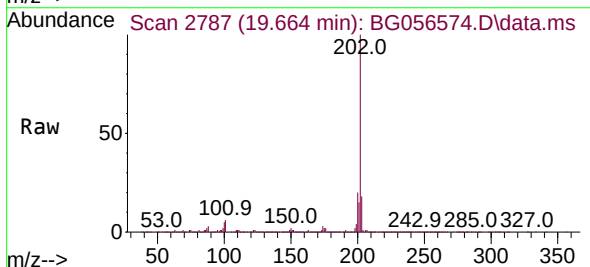
Manual Integrations
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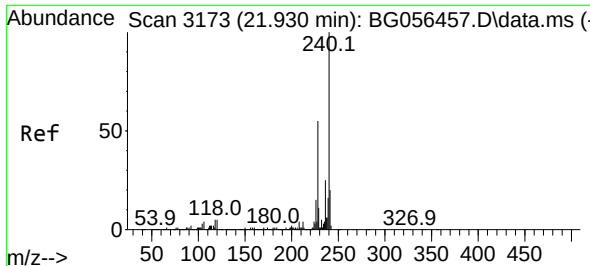
Reviewed By :Christian Giraldo 02/08/2023
 Supervised By :Jagrut Upadhyay 02/08/2023



#75
 Fluoranthene
 Concen: 24.878 ng
 RT: 19.664 min Scan# 2787
 Delta R.T. -0.004 min
 Lab File: BG056574.D
 Acq: 7 Feb 2023 19:25

Tgt Ion:202 Resp: 422104
 Ion Ratio Lower Upper
 202 100
 101 5.7 0.0 25.6
 203 18.0 0.0 38.1





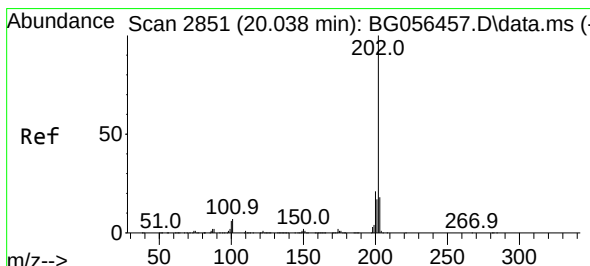
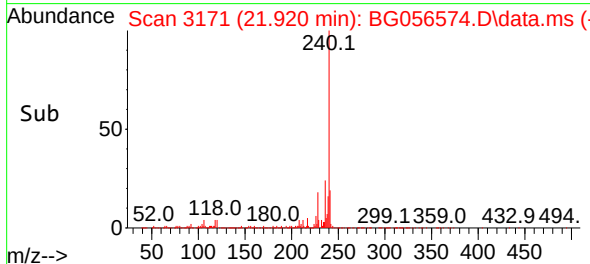
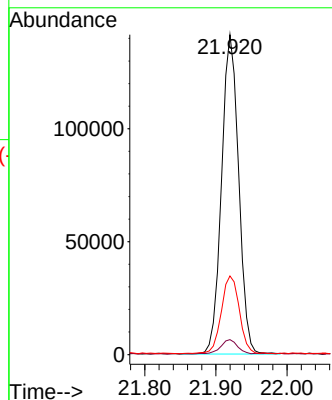
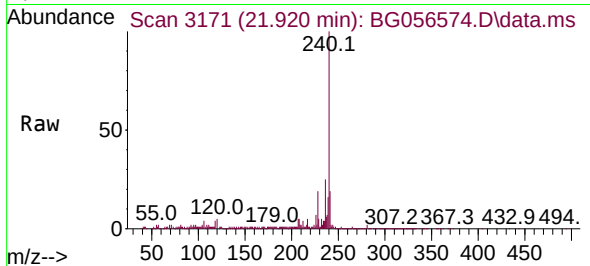
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.920 min Scan# 3173
Delta R.T. -0.004 min
Lab File: BG056574.D
Acq: 7 Feb 2023 19:25

Instrument :
BNA_G
ClientSampleId :
OR-2-020623

Tgt Ion:240 Resp: 237540
Ion Ratio Lower Upper
240 100
120 4.7 3.8 5.8
236 24.6 20.2 30.2

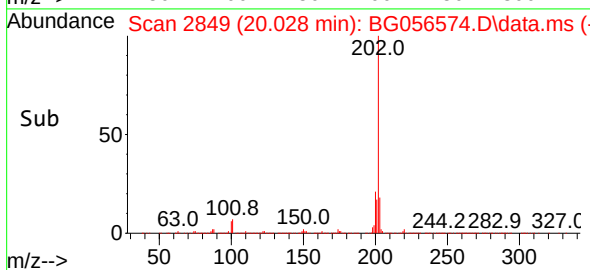
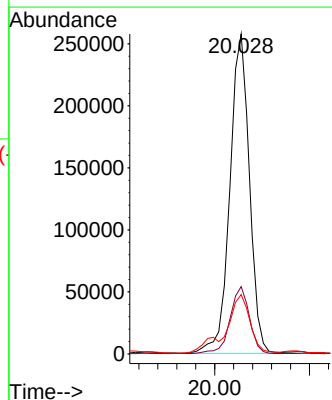
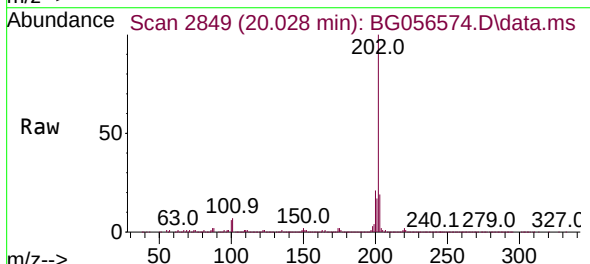
Manual Integrations
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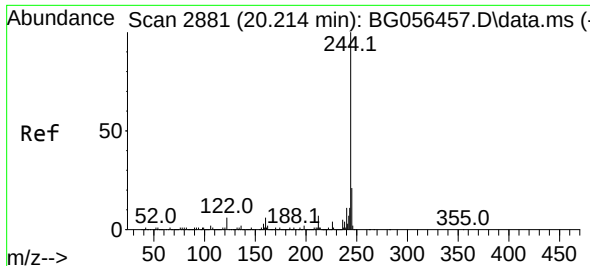
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023



#78
Pyrene
Concen: 21.846 ng
RT: 20.028 min Scan# 2849
Delta R.T. 0.002 min
Lab File: BG056574.D
Acq: 7 Feb 2023 19:25

Tgt Ion:202 Resp: 369066
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 18.5 14.4 21.6





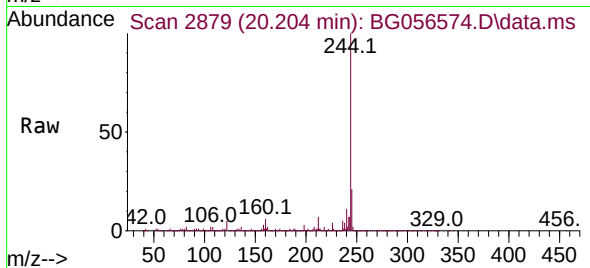
#79
 Terphenyl-d14
 Concen: 55.391 ng
 RT: 20.204 min Scan# 2881
 Delta R.T. -0.004 min
 Lab File: BG056574.D
 Acq: 7 Feb 2023 19:25

Instrument :

BNA_G

ClientSampleId :

OR-2-020623

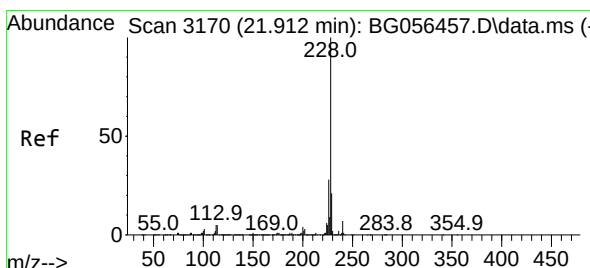
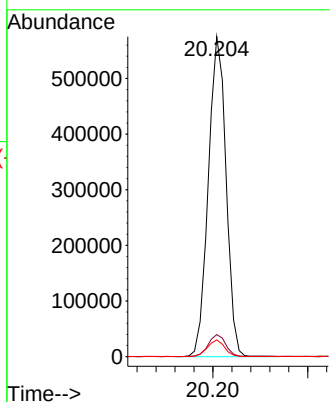
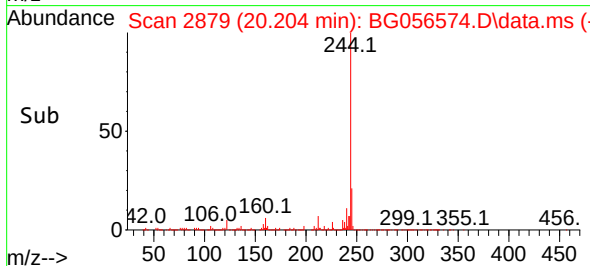


Tgt Ion:244 Resp: 749135
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 5.2 4.4 6.6

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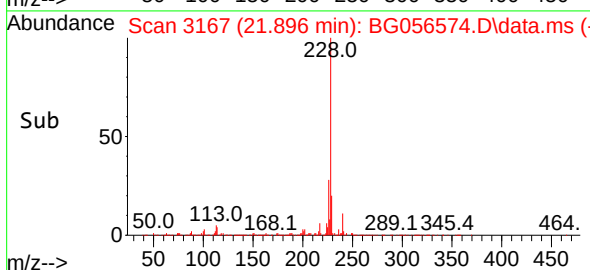
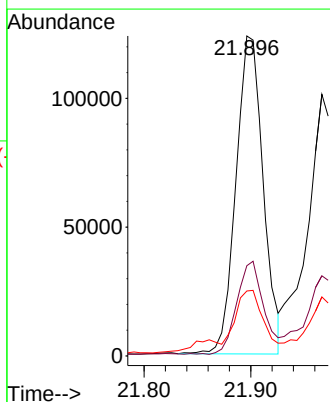
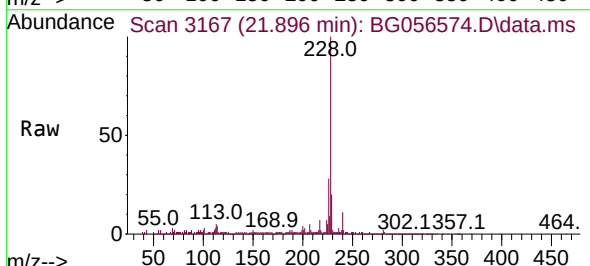
APPROVED

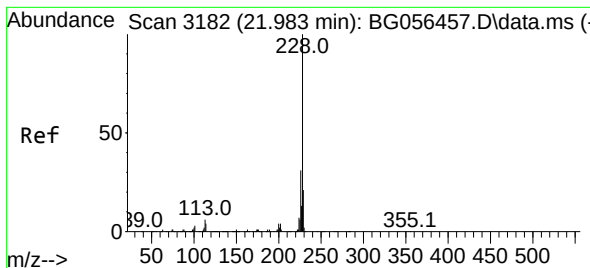
Reviewed By :Christian Giraldo 02/08/2023
 Supervised By :Jagrut Upadhyay 02/08/2023



#81
 Benzo(a)anthracene
 Concen: 13.165 ng
 RT: 21.896 min Scan# 3167
 Delta R.T. -0.004 min
 Lab File: BG056574.D
 Acq: 7 Feb 2023 19:25

Tgt Ion:228 Resp: 218629
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.4 33.6
 229 20.3 16.5 24.7





#83

Chrysene

Concen: 12.596 ng m

RT: 21.967 min Scan# 31

Delta R.T. -0.004 min

Lab File: BG056574.D

Acq: 7 Feb 2023 19:25

Instrument :

BNA_G

ClientSampleId :

OR-2-020623

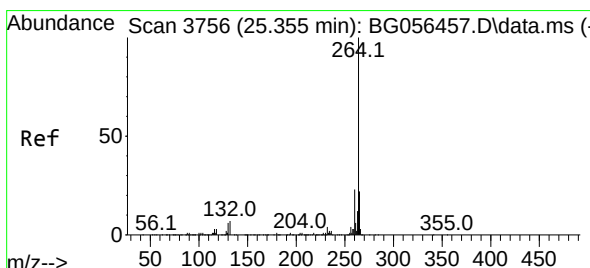
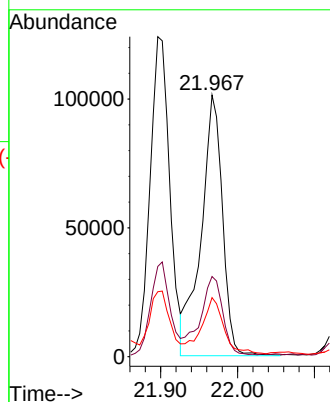
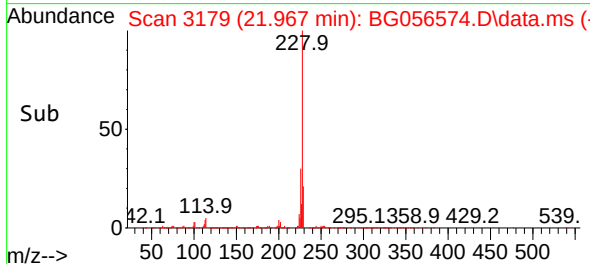
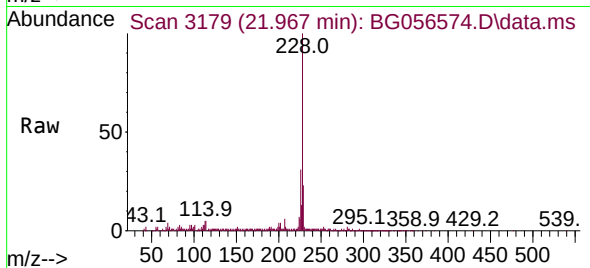
Tgt Ion:228 Resp: 196525

Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.4
229	22.6	16.4	24.6

Manual Integrations

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Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.345 min Scan# 3754

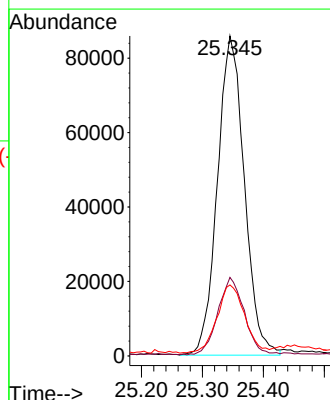
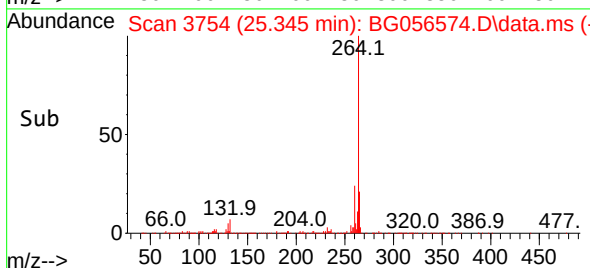
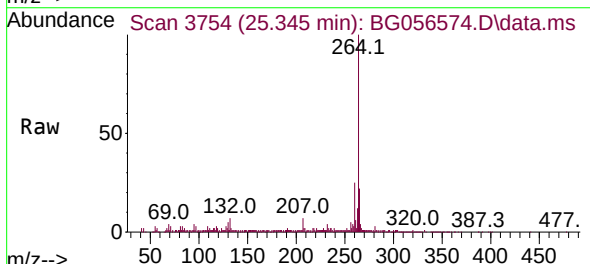
Delta R.T. 0.007 min

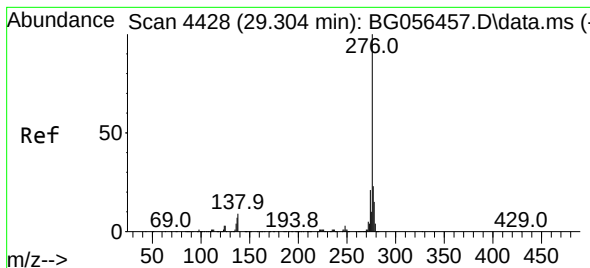
Lab File: BG056574.D

Acq: 7 Feb 2023 19:25

Tgt Ion:264 Resp: 263392

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.2	27.4
265	22.2	18.1	27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.791 ng

RT: 29.288 min Scan# 4428

Delta R.T. 0.002 min

Lab File: BG056574.D

Acq: 7 Feb 2023 19:25

Instrument :

BNA_G

ClientSampleId :

OR-2-020623

Tgt Ion:276 Resp: 111645

Ion Ratio Lower Upper

276 100

138 1.0 9.4 14.2

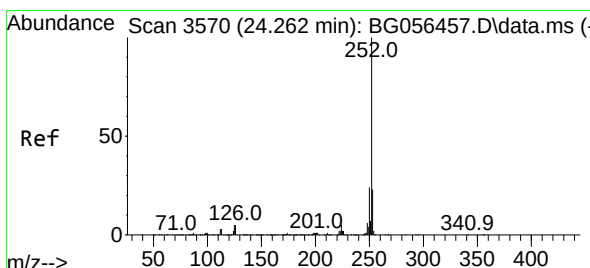
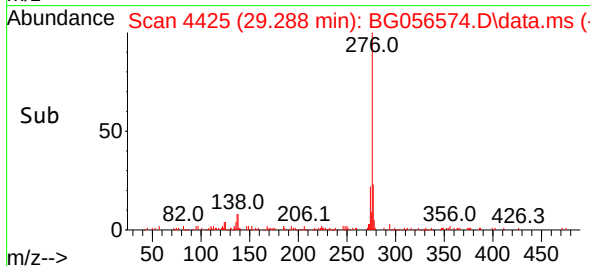
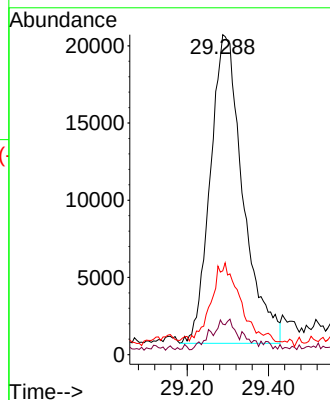
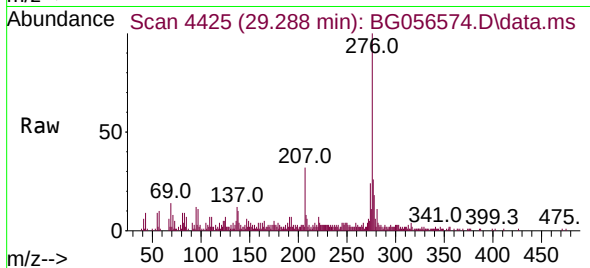
277 21.7 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/08/2023

Supervised By :Jagrut Upadhyay 02/08/2023



#88

Benzo(b)fluoranthene

Concen: 16.209 ng

RT: 24.252 min Scan# 3568

Delta R.T. 0.002 min

Lab File: BG056574.D

Acq: 7 Feb 2023 19:25

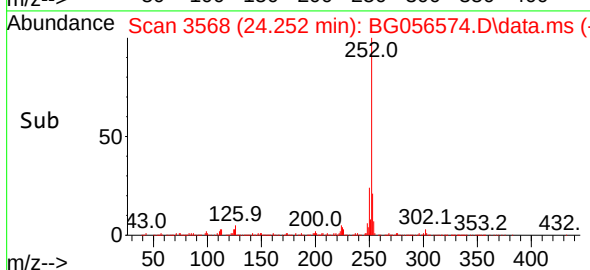
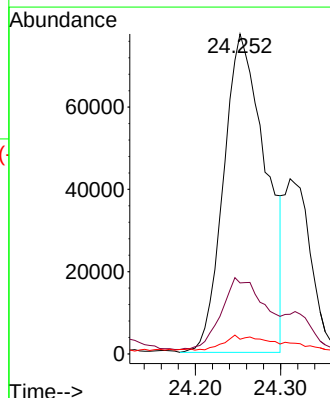
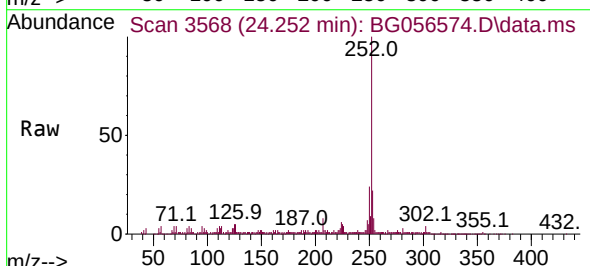
Tgt Ion:252 Resp: 264986

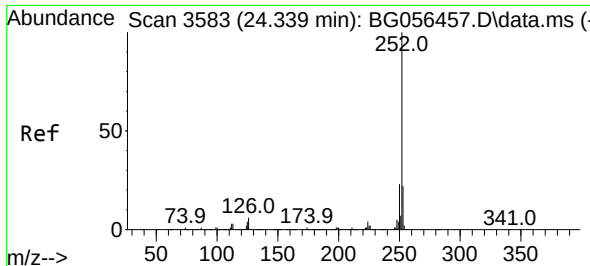
Ion Ratio Lower Upper

252 100

253 22.2 18.1 27.1

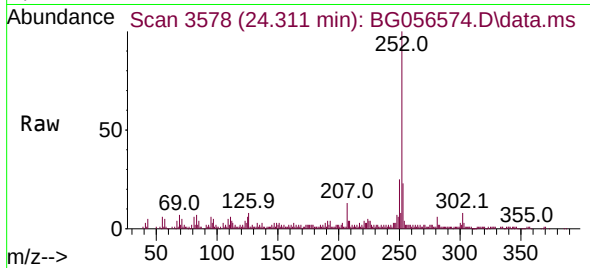
125 4.6 3.9 5.9





#89
Benzo(k)fluoranthene
Concen: 5.470 ng m
RT: 24.311 min Scan# 3583
Delta R.T. -0.010 min
Lab File: BG056574.D
Acq: 7 Feb 2023 19:25

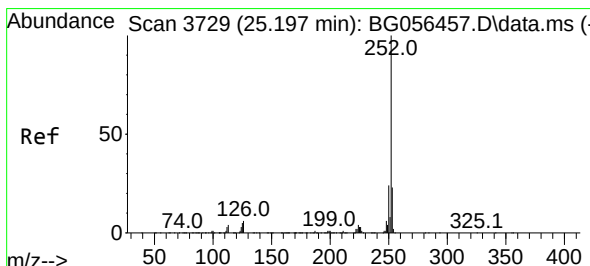
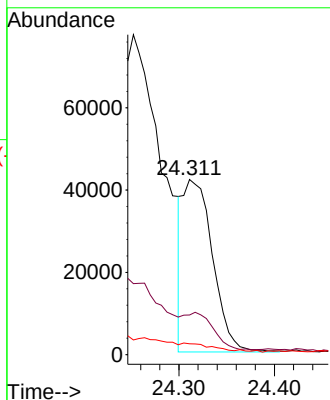
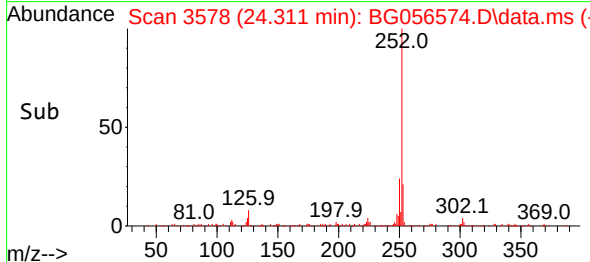
Instrument :
BNA_G
ClientSampleId :
OR-2-020623



Tgt Ion:252 Resp: 90293
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 6.2 3.4 5.0

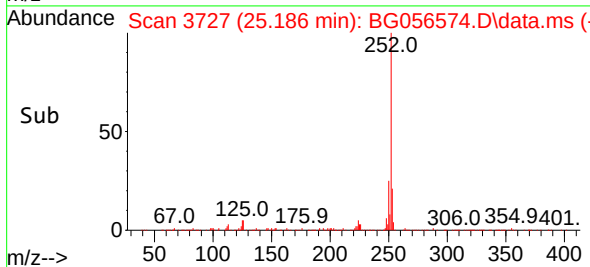
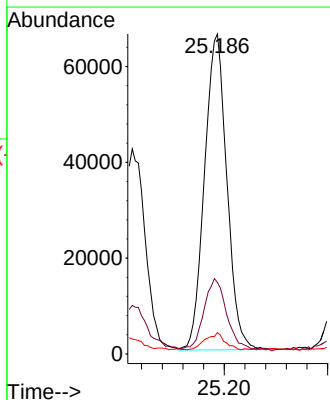
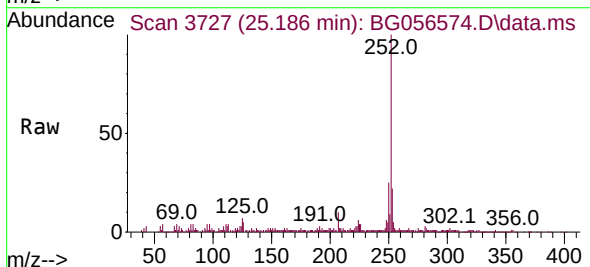
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APPROVED

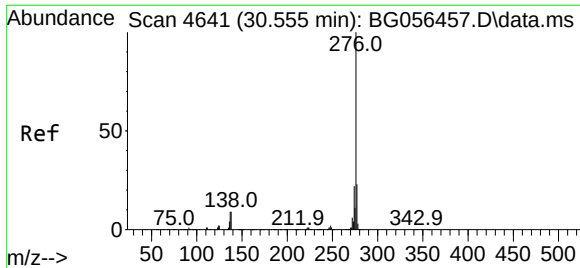
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023



#90
Benzo(a)pyrene
Concen: 12.293 ng
RT: 25.186 min Scan# 3727
Delta R.T. 0.007 min
Lab File: BG056574.D
Acq: 7 Feb 2023 19:25

Tgt Ion:252 Resp: 197967
Ion Ratio Lower Upper
252 100
253 22.3 18.4 27.6
125 6.6 4.1 6.1





#92

Benzo(g,h,i)perylene

Concen: 6.386 ng

RT: 30.527 min Scan# 4636

Delta R.T. 0.002 min

Lab File: BG056574.D

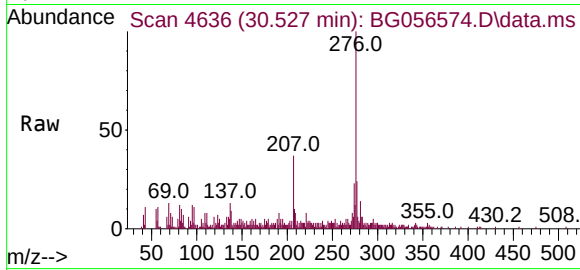
Acq: 7 Feb 2023 19:25

Instrument :

BNA_G

ClientSampleId :

OR-2-020623



Tgt Ion: 276 Resp: 99723

Ion Ratio Lower Upper

276 100

277 23.8 18.5 27.7

138 8.9 7.4 11.0

Manual Integrations

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Reviewed By :Christian Giraldo 02/08/2023

Supervised By :Jagrut Upadhyay 02/08/2023

