

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111422\
 Data File : BG055605.D
 Acq On : 14 Nov 2022 15:19
 Operator : CG/JU
 Sample : N5556-03RE 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RM-3RE

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/15/2022
 Supervised By : Jagrut Upadhyay 11/15/2022

Quant Time: Nov 14 15:57:47 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 10 03:39:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.265	152	64394	20.000	ng	0.00
21) Naphthalene-d8	11.097	136	271023	20.000	ng	0.00
39) Acenaphthene-d10	14.886	164	174924	20.000	ng	0.00
64) Phenanthrene-d10	17.624	188	369306	20.000	ng	0.00
76) Chrysene-d12	21.931	240	357776	20.000	ng	0.00
86) Perylene-d12	25.357	264	385966	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.791	112	39914	11.806	ng	0.00
7) Phenol-d6	7.401	99	182971	39.181	ng	0.00
23) Nitrobenzene-d5	9.434	82	141104	35.295	ng	-0.01
42) 2,4,6-Tribromophenol	16.367	330	11790	6.908	ng	0.00
45) 2-Fluorobiphenyl	13.512	172	330783	28.524	ng	0.00
79) Terphenyl-d14	20.215	244	481676	27.041	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.671	178	216223	10.894	ng	98
72) Anthracene	17.760	178	58658	3.016	ng	99
75) Fluoranthene	19.669	202	302964	12.800	ng	98
78) Pyrene	20.027	202	341922	14.121	ng	99
81) Benzo(a)anthracene	21.908	228	177280	7.234	ng	96
83) Chrysene	21.978	228	166012	7.124	ng	98
87) Indeno(1,2,3-cd)pyrene	29.293	276	87372	2.972	ng	95
88) Benzo(b)fluoranthene	24.264	252	195895	8.010	ng	# 94
89) Benzo(k)fluoranthene	24.328	252	66155m	2.646	ng	# 92
90) Benzo(a)pyrene	25.192	252	165851	7.873	ng	# 92
92) Benzo(g,h,i)perylene	30.539	276	91368	3.841	ng	94

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

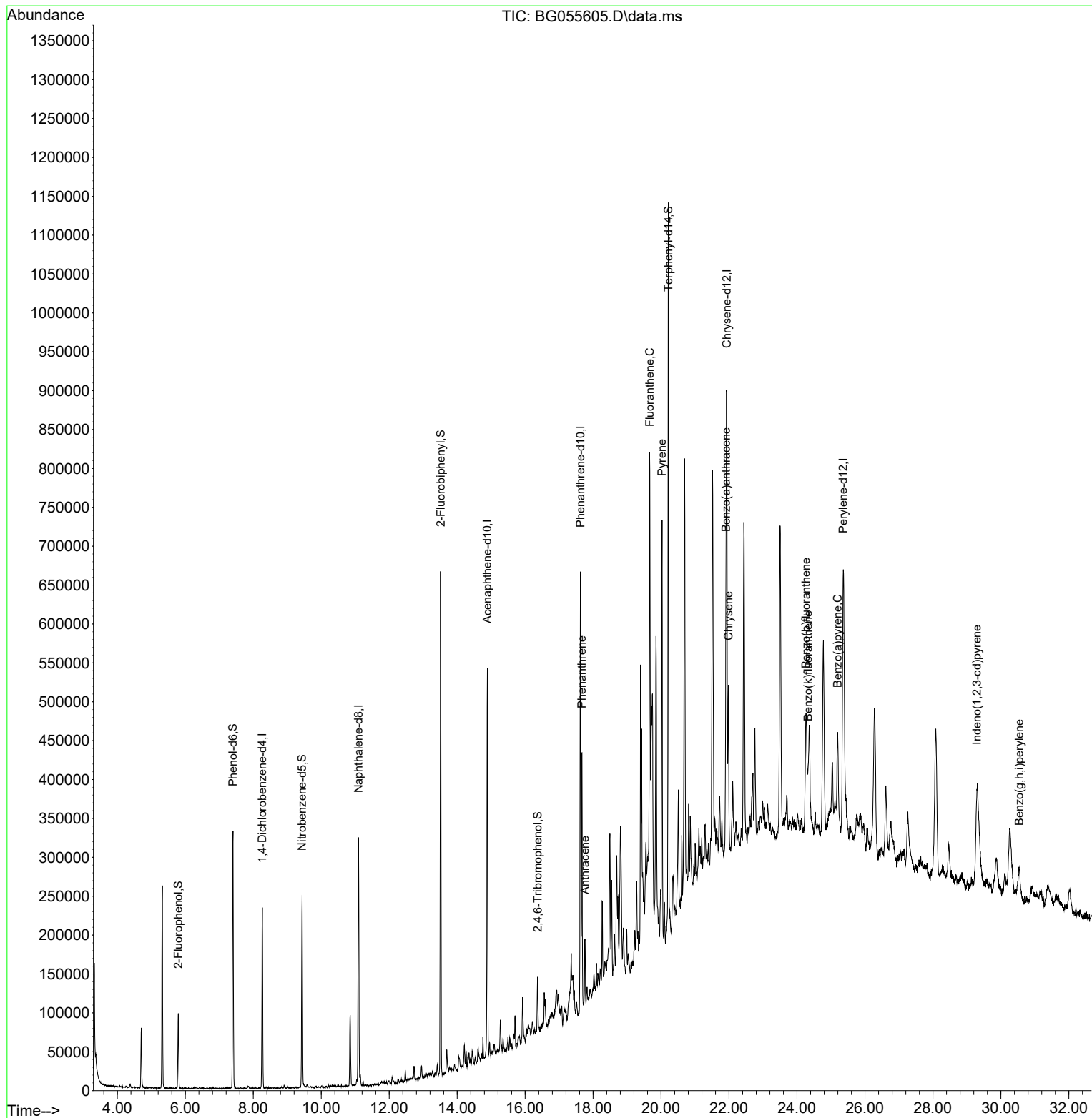
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111422\
Data File : BG055605.D
Acq On : 14 Nov 2022 15:19
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Sample : N5556-03RE 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

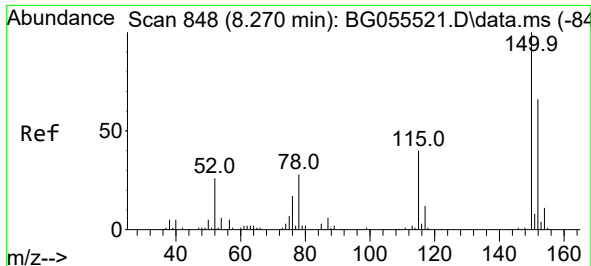
Instrument :
BNA_G
ClientSampleId :
RM-3RE

Quant Time: Nov 14 15:57:47 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 10 03:39:46 2022
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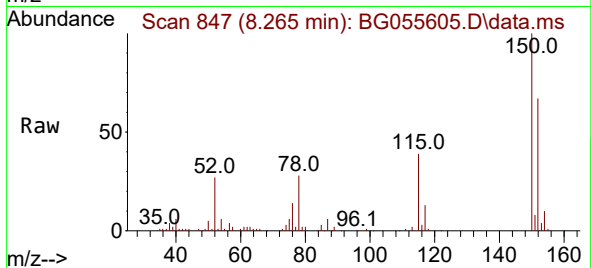
Reviewed By : Christian Giraldo 11/15/2022
Supervised By : Jagrut Upadhyay 11/15/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.265 min Scan# 847
Delta R.T. -0.005 min
Lab File: BG055605.D
Acq: 14 Nov 2022 15:19

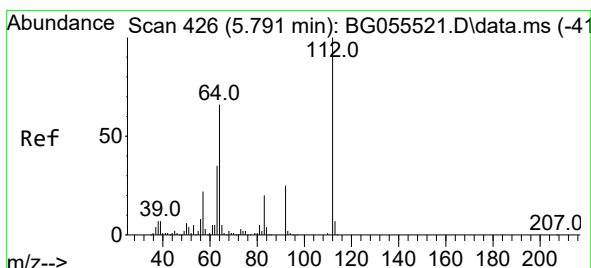
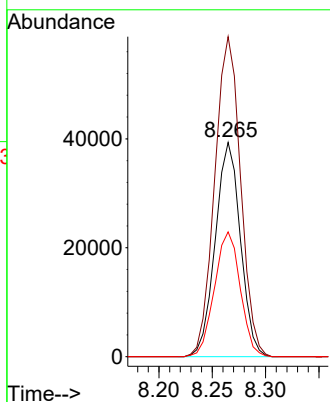
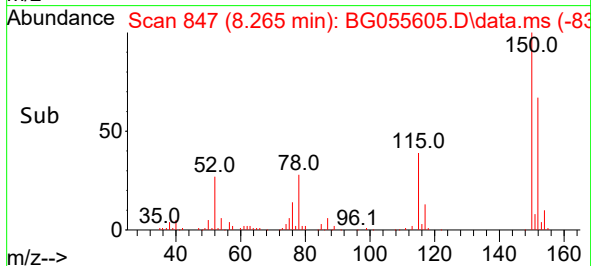
Instrument :
BNA_G
ClientSampleId :
RM-3RE



Tgt Ion:152 Resp: 64394
Ion Ratio Lower Upper
152 100
150 149.3 121.0 181.4
115 58.2 47.8 71.8

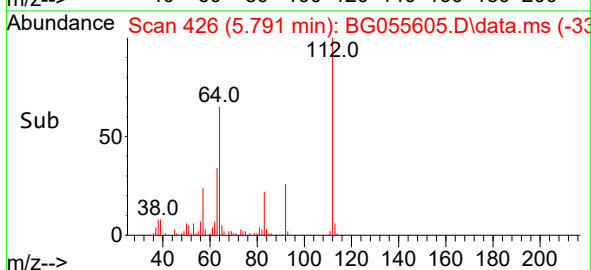
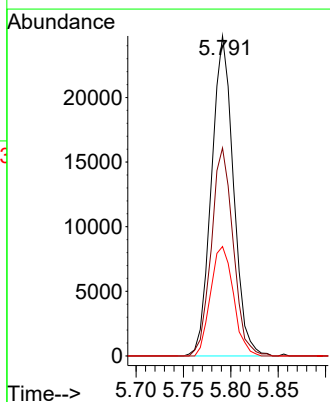
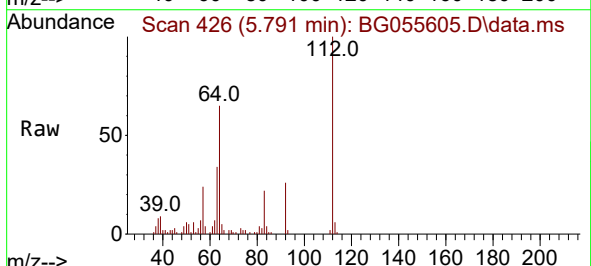
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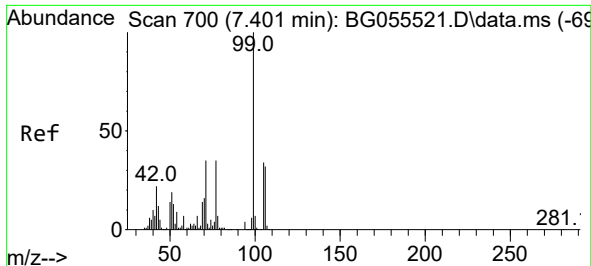
Reviewed By :Christian Giraldo 11/15/2022
Supervised By :Jagrut Upadhyay 11/15/2022



#5
2-Fluorophenol
Concen: 11.806 ng
RT: 5.791 min Scan# 426
Delta R.T. 0.000 min
Lab File: BG055605.D
Acq: 14 Nov 2022 15:19

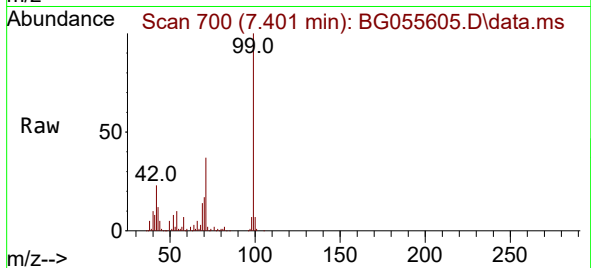
Tgt Ion:112 Resp: 39914
Ion Ratio Lower Upper
112 100
64 65.0 52.6 78.8
63 34.2 28.3 42.5





#7
Phenol-d6
Concen: 39.181 ng
RT: 7.401 min Scan# 700
Delta R.T. 0.000 min
Lab File: BG055605.D
Acq: 14 Nov 2022 15:19

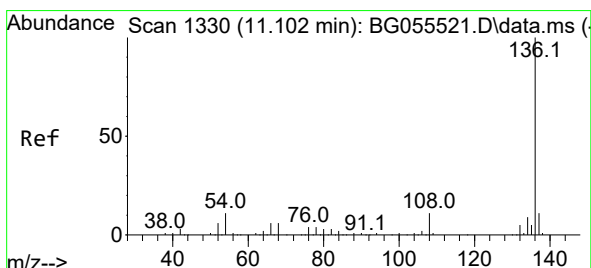
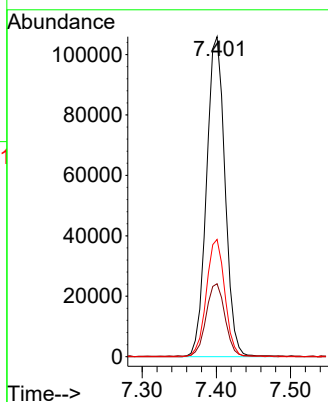
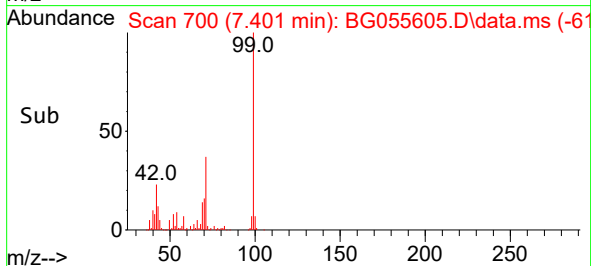
Instrument :
BNA_G
ClientSampleId :
RM-3RE



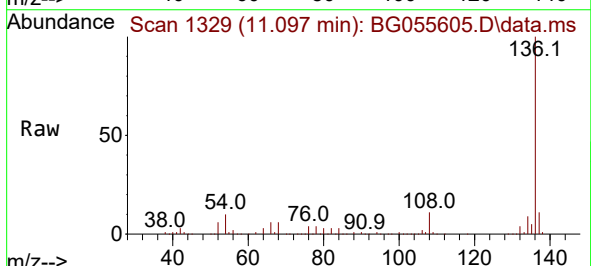
Tgt Ion: 99 Resp: 18297
Ion Ratio Lower Upper
99 100
42 22.8 17.5 26.3
71 36.7 28.3 42.5

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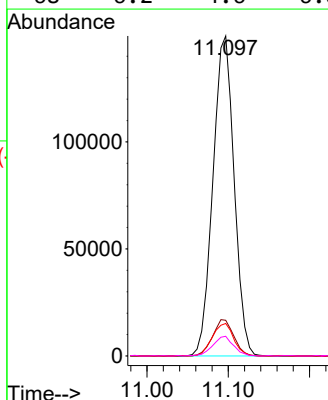
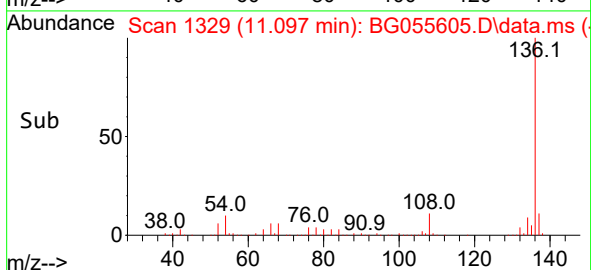
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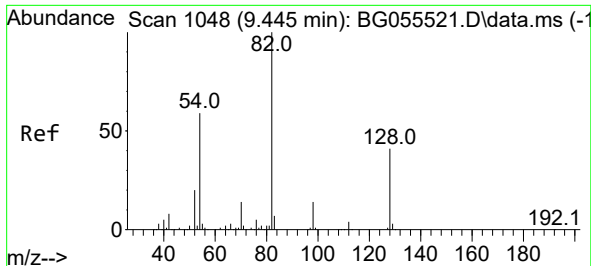


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.097 min Scan# 1329
Delta R.T. -0.005 min
Lab File: BG055605.D
Acq: 14 Nov 2022 15:19



Tgt Ion:136 Resp: 271023
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 10.2 8.6 12.8
68 6.2 4.6 6.8





#23

Nitrobenzene-d5

Concen: 35.295 ng

RT: 9.434 min Scan# 1046

Delta R.T. -0.011 min

Lab File: BG055605.D

Acq: 14 Nov 2022 15:19

Instrument :

BNA_G

ClientSampleId :

RM-3RE

Tgt Ion: 82 Resp: 141104

Ion Ratio Lower Upper

82 100

128 42.5 32.6 49.0

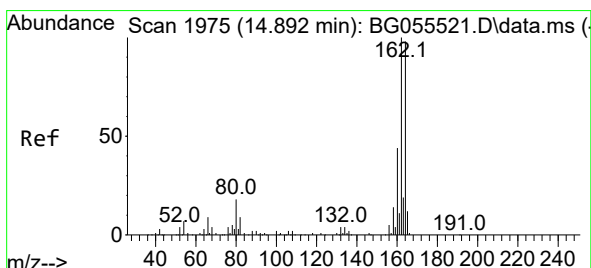
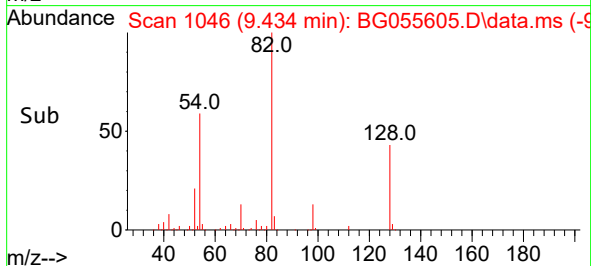
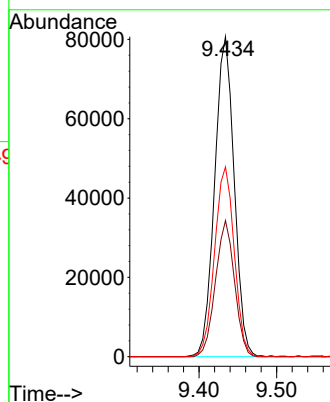
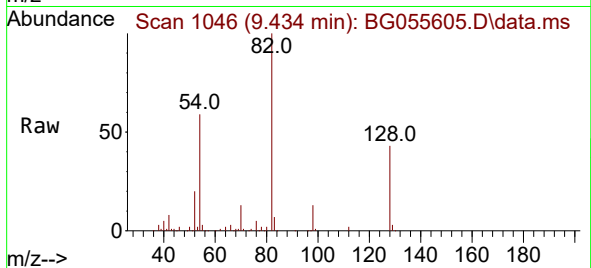
54 59.3 47.3 70.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 11/15/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.886 min Scan# 1974

Delta R.T. -0.006 min

Lab File: BG055605.D

Acq: 14 Nov 2022 15:19

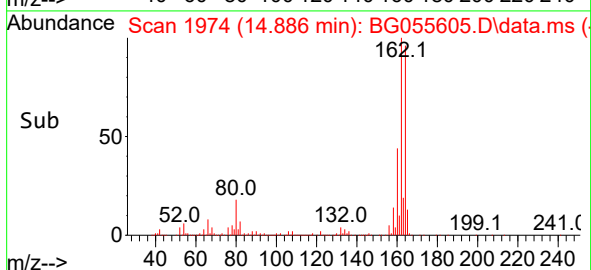
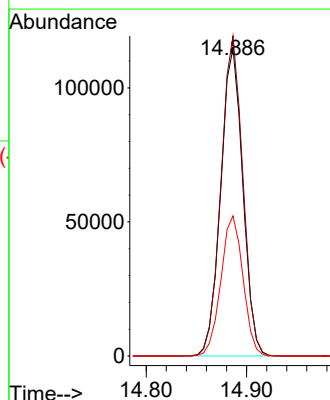
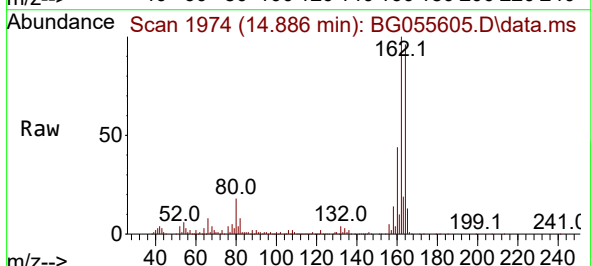
Tgt Ion:164 Resp: 174924

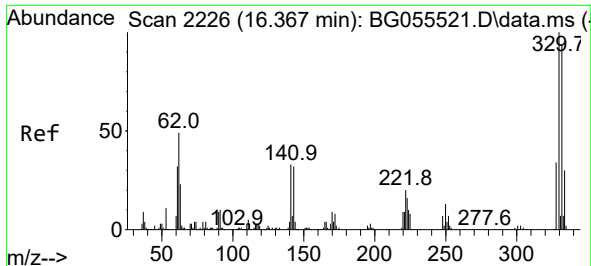
Ion Ratio Lower Upper

164 100

162 104.0 81.3 121.9

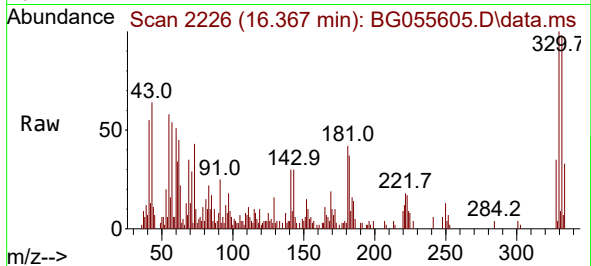
160 45.5 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 6.908 ng
RT: 16.367 min Scan# 211
Delta R.T. 0.000 min
Lab File: BG055605.D
Acq: 14 Nov 2022 15:19

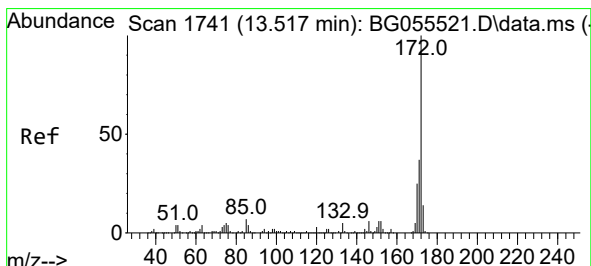
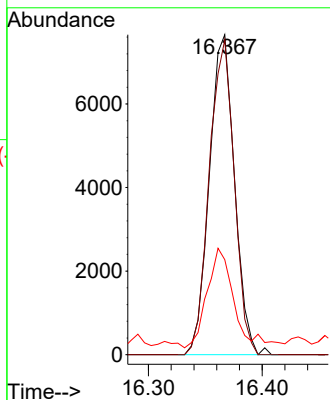
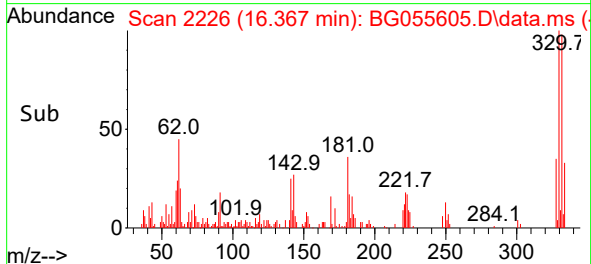
Instrument :
BNA_G
ClientSampleId :
RM-3RE



Tgt Ion:330 Resp: 11790
Ion Ratio Lower Upper
330 100
332 97.2 77.4 116.2
141 33.0 25.4 38.2

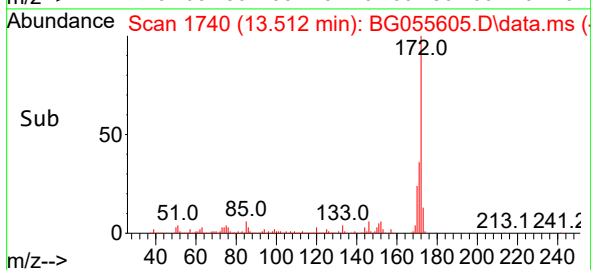
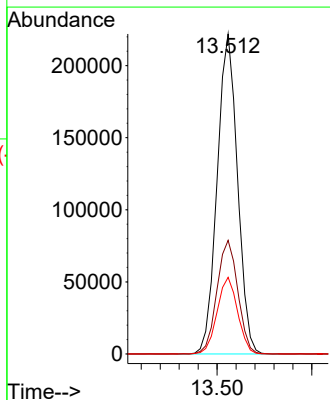
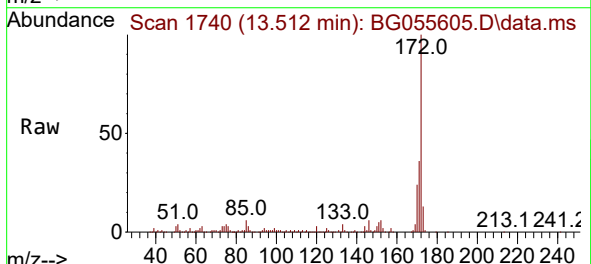
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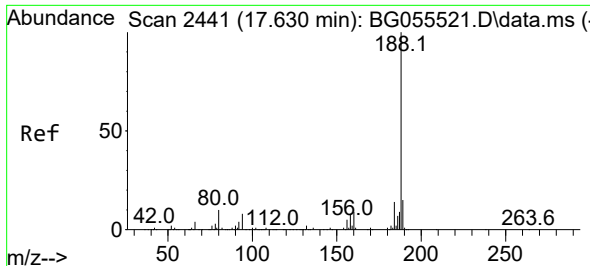
Reviewed By :Christian Giraldo 11/15/2022
Supervised By :Jagrut Upadhyay 11/15/2022



#45
2-Fluorobiphenyl
Concen: 28.524 ng
RT: 13.512 min Scan# 1740
Delta R.T. -0.005 min
Lab File: BG055605.D
Acq: 14 Nov 2022 15:19

Tgt Ion:172 Resp: 330783
Ion Ratio Lower Upper
172 100
171 35.5 29.7 44.5
170 23.9 19.8 29.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.624 min Scan# 2440
Delta R.T. -0.006 min
Lab File: BG055605.D
Acq: 14 Nov 2022 15:19

Instrument :

BNA_G

ClientSampleId :

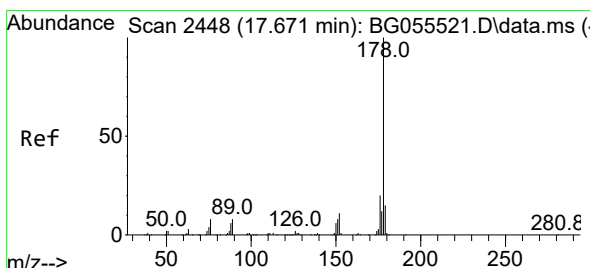
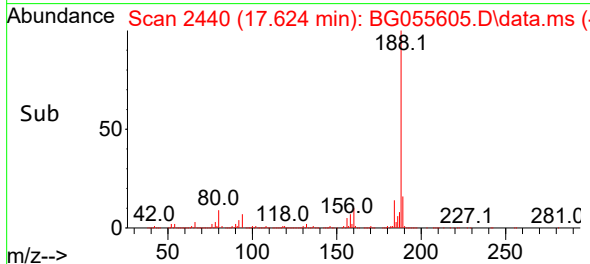
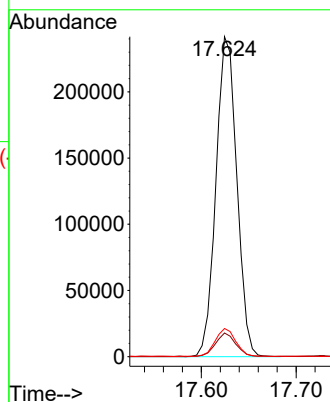
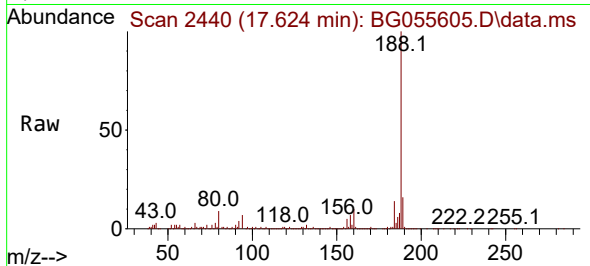
RM-3RE

Tgt Ion:188 Resp: 369300
Ion Ratio Lower Upper
188 100
94 7.4 6.4 9.6
80 8.8 7.6 11.4

Manual Integrations

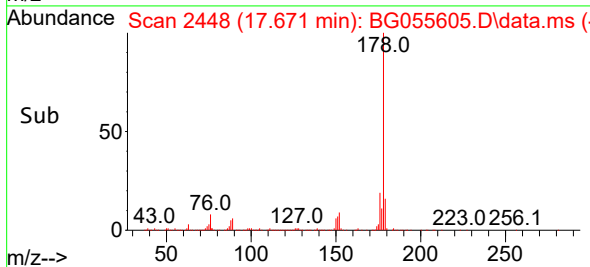
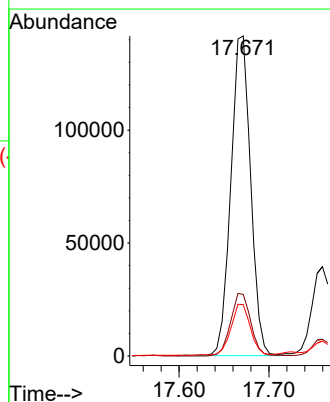
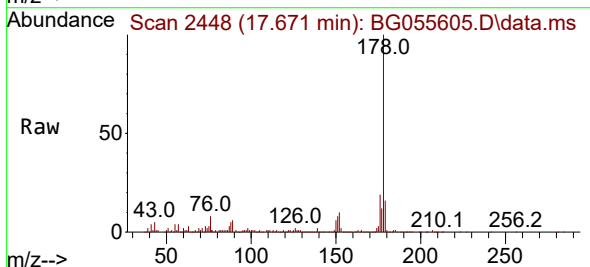
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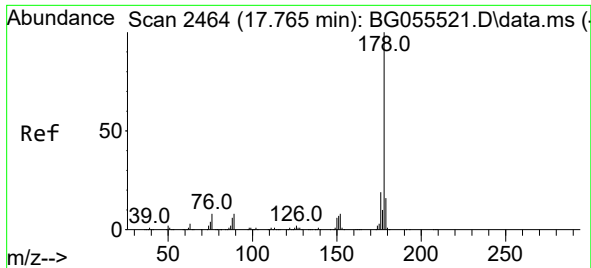
Reviewed By :Christian Giraldo 11/15/2022
Supervised By :Jagrut Upadhyay 11/15/2022



#71
Phenanthrene
Concen: 10.894 ng
RT: 17.671 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BG055605.D
Acq: 14 Nov 2022 15:19

Tgt Ion:178 Resp: 216223
Ion Ratio Lower Upper
178 100
176 19.2 16.1 24.1
179 16.0 12.2 18.4





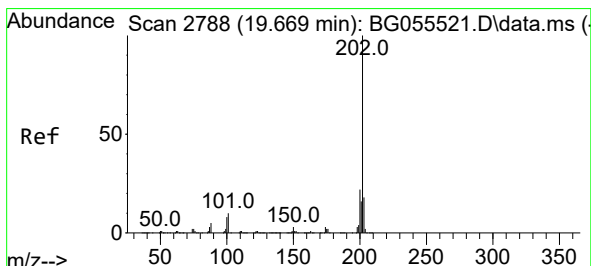
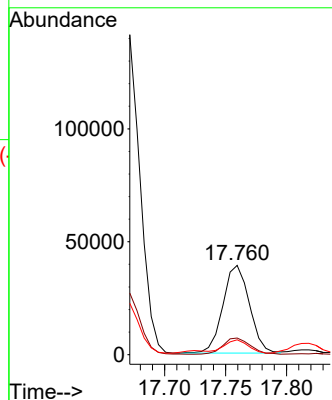
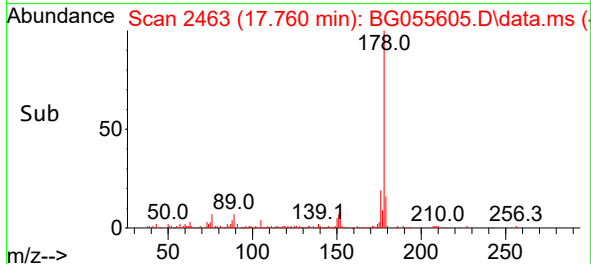
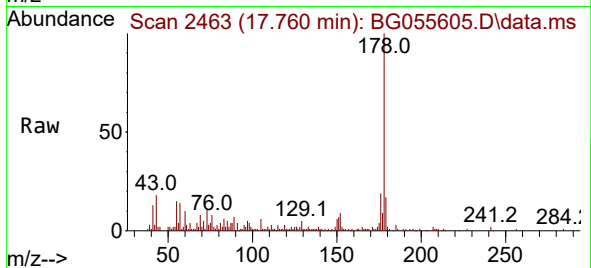
#72
 Anthracene
 Concen: 3.016 ng
 RT: 17.760 min Scan# 2464
 Delta R.T. -0.005 min
 Lab File: BG055605.D
 Acq: 14 Nov 2022 15:19

Instrument :
 BNA_G
 ClientSampleId :
 RM-3RE

Tgt Ion:178 Resp: 58658
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.4 23.0
 179 16.6 13.0 19.4

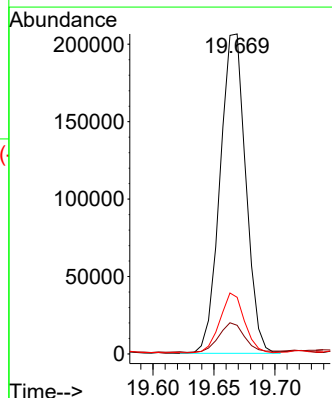
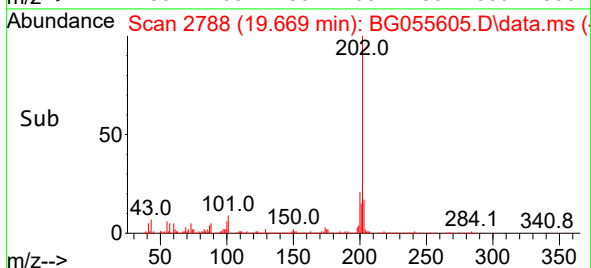
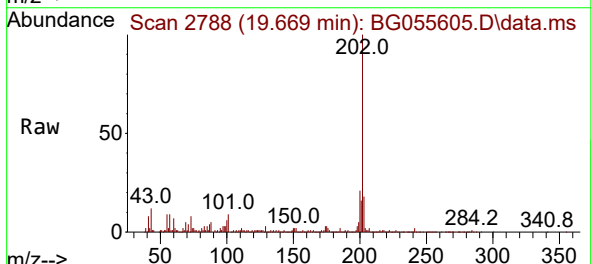
Manual Integrations
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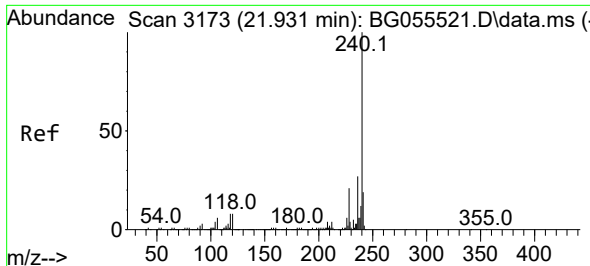
Reviewed By :Christian Giraldo 11/15/2022
 Supervised By :Jagrut Upadhyay 11/15/2022



#75
 Fluoranthene
 Concen: 12.800 ng
 RT: 19.669 min Scan# 2788
 Delta R.T. 0.000 min
 Lab File: BG055605.D
 Acq: 14 Nov 2022 15:19

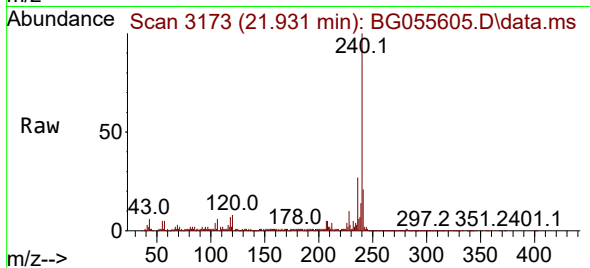
Tgt Ion:202 Resp: 302964
 Ion Ratio Lower Upper
 202 100
 101 8.9 0.0 29.8
 203 17.7 0.0 38.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.931 min Scan# 3173
Delta R.T. 0.000 min
Lab File: BG055605.D
Acq: 14 Nov 2022 15:19

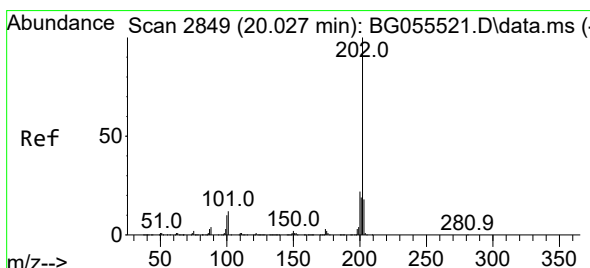
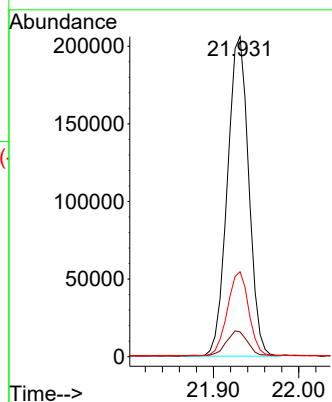
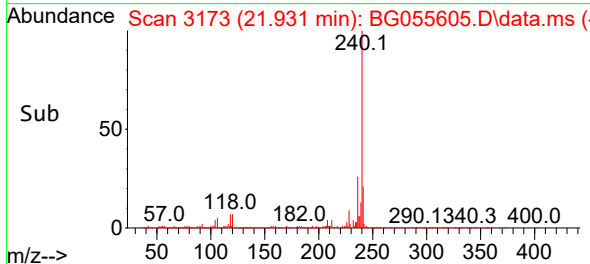
Instrument :
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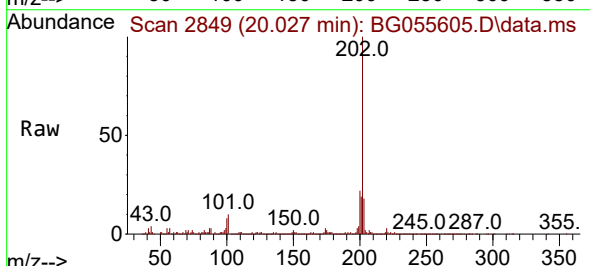
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Ion Ratio Lower Upper
240 100
120 7.7 6.1 9.1
236 26.5 21.4 32.0

Manual Integrations
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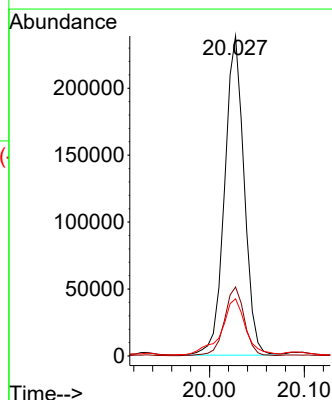
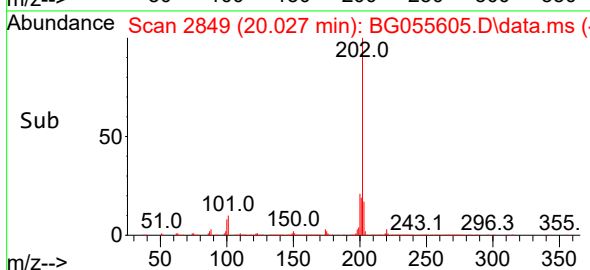
Reviewed By :Christian Giraldo 11/15/2022
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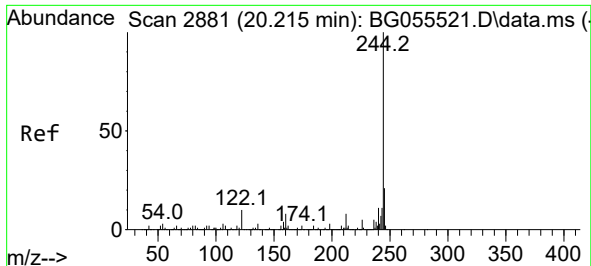


#78
Pyrene
Concen: 14.121 ng
RT: 20.027 min Scan# 2849
Delta R.T. 0.000 min
Lab File: BG055605.D
Acq: 14 Nov 2022 15:19



Tgt Ion:202 Resp: 341922
Ion Ratio Lower Upper
202 100
200 21.6 18.0 27.0
203 17.9 14.2 21.2





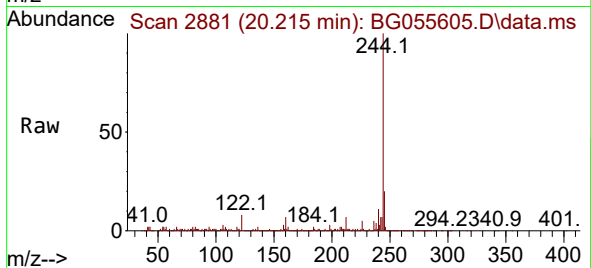
#79
 Terphenyl-d14
 Concen: 27.041 ng
 RT: 20.215 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG055605.D
 Acq: 14 Nov 2022 15:19

Instrument :

BNA_G

ClientSampleId :

RM-3RE

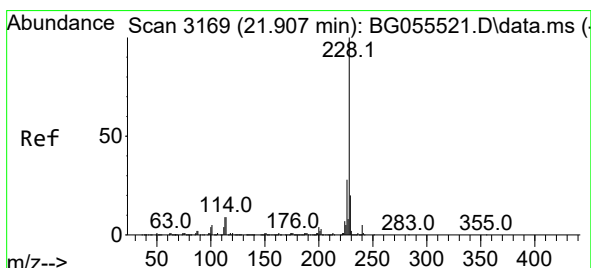
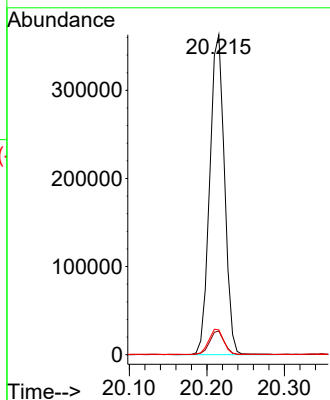
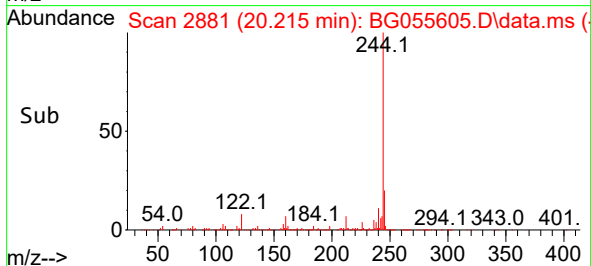


Tgt Ion:244 Resp: 481670
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 7.8 7.7 11.5

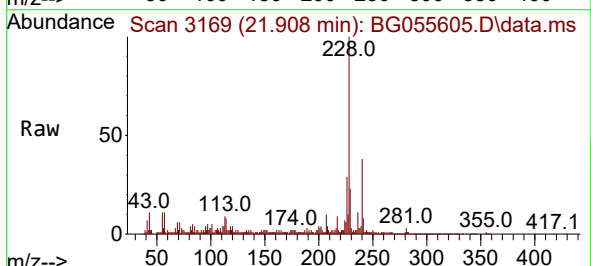
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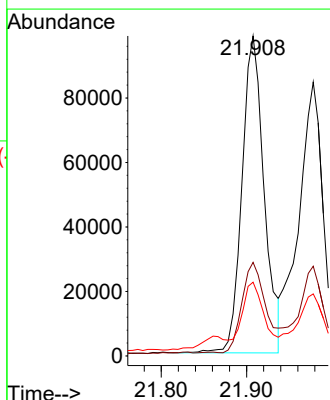
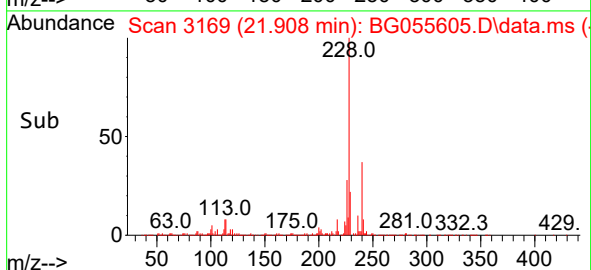
Reviewed By :Christian Giraldo 11/15/2022
 Supervised By :Jagrut Upadhyay 11/15/2022

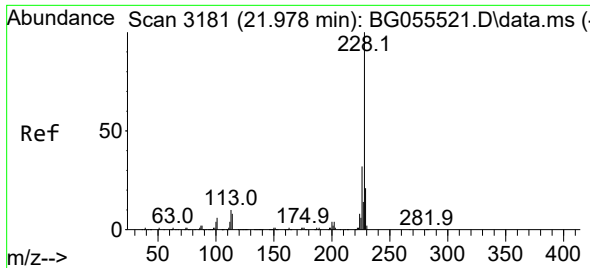


#81
 Benzo(a)anthracene
 Concen: 7.234 ng
 RT: 21.908 min Scan# 3169
 Delta R.T. 0.001 min
 Lab File: BG055605.D
 Acq: 14 Nov 2022 15:19



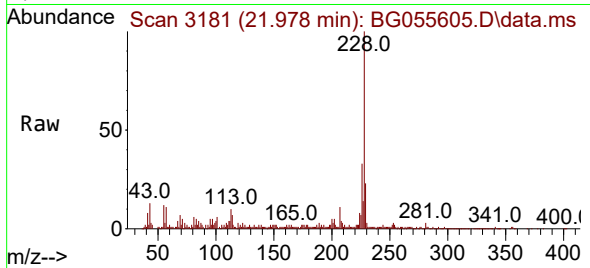
Tgt Ion:228 Resp: 177280
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.6 34.0
 229 23.1 16.1 24.1





#83
Chrysene
Concen: 7.124 ng
RT: 21.978 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BG055605.D
Acq: 14 Nov 2022 15:19

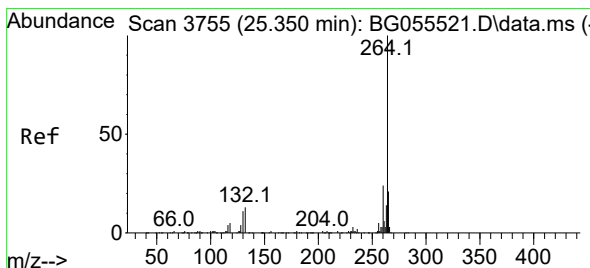
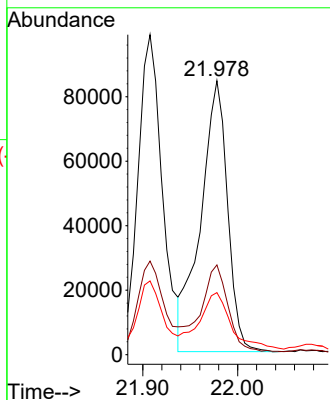
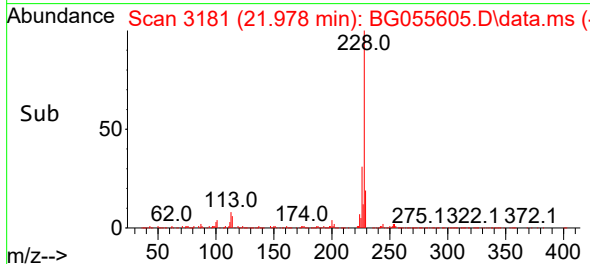
Instrument :
BNA_G
ClientSampleId :
RM-3RE



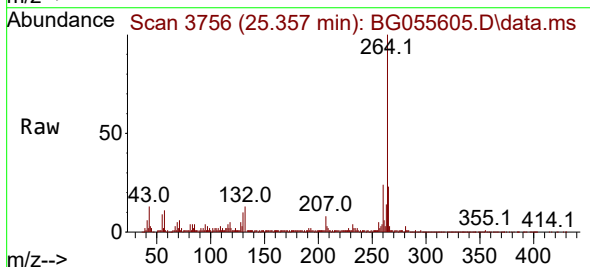
Tgt Ion:228 Resp: 166012
Ion Ratio Lower Upper
228 100
226 32.8 25.7 38.5
229 22.7 16.6 25.0

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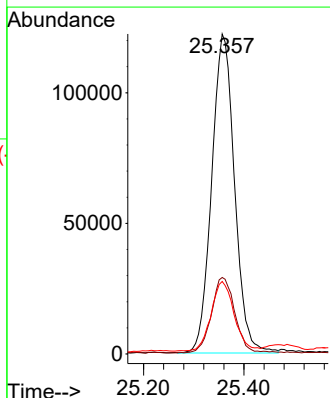
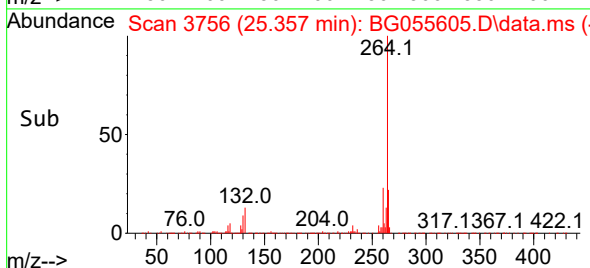
Reviewed By :Christian Giraldo 11/15/2022
Supervised By :Jagrut Upadhyay 11/15/2022

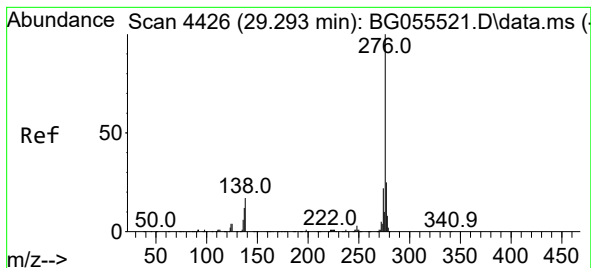


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.357 min Scan# 3756
Delta R.T. 0.006 min
Lab File: BG055605.D
Acq: 14 Nov 2022 15:19



Tgt Ion:264 Resp: 385966
Ion Ratio Lower Upper
264 100
260 23.9 19.4 29.2
265 22.6 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.972 ng

RT: 29.293 min Scan# 4426

Delta R.T. 0.000 min

Lab File: BG055605.D

Acq: 14 Nov 2022 15:19

Instrument :

BNA_G

ClientSampleId :

RM-3RE

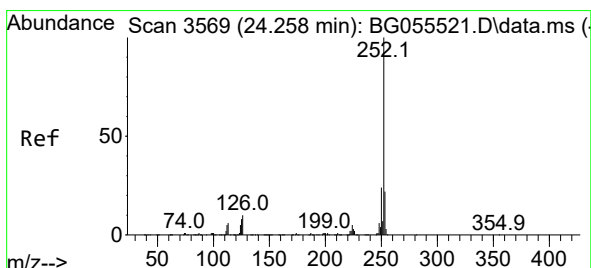
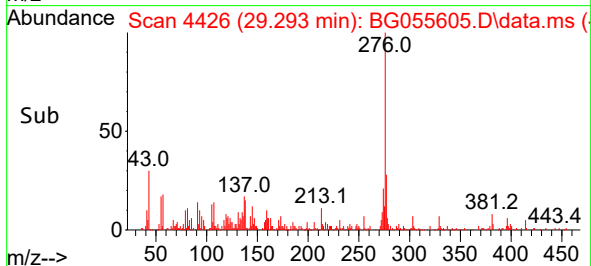
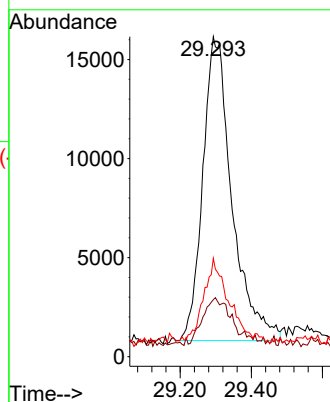
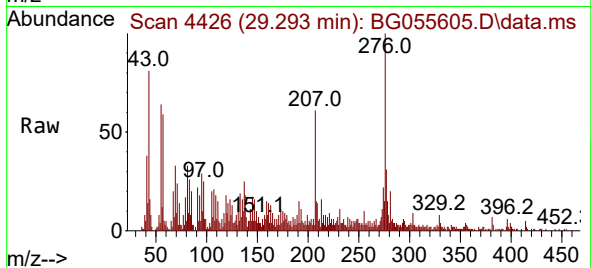
Tgt Ion:	276	Resp:	87372
Ion Ratio	Lower	Upper	
276	100		
138	13.9	11.5	17.3
277	22.0	20.4	30.6

Manual Integrations

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Reviewed By :Christian Giraldo 11/15/2022

Supervised By :Jagrut Upadhyay 11/15/2022



#88

Benzo(b)fluoranthene

Concen: 8.010 ng

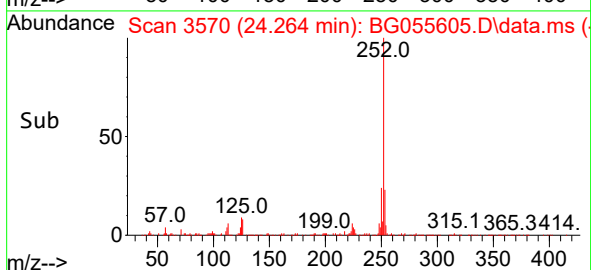
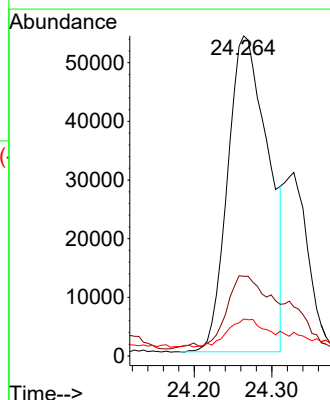
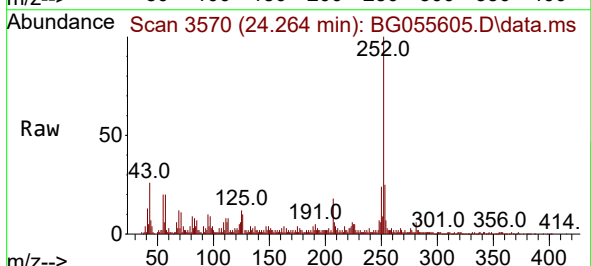
RT: 24.264 min Scan# 3570

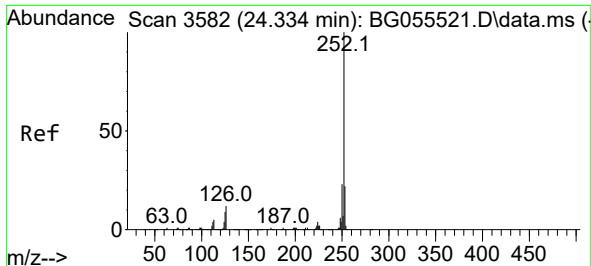
Delta R.T. 0.006 min

Lab File: BG055605.D

Acq: 14 Nov 2022 15:19

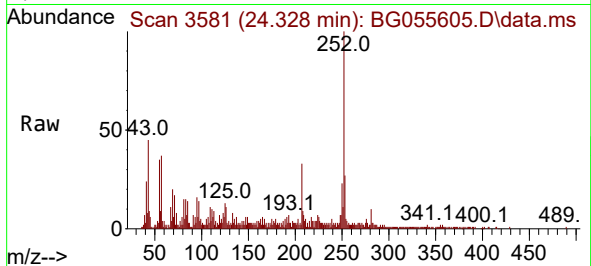
Tgt Ion:	252	Resp:	195895
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.9	26.9
125	11.6	6.7	10.1





#89
Benzo(k)fluoranthene
Concen: 2.646 ng m
RT: 24.328 min Scan# 3581
Delta R.T. -0.006 min
Lab File: BG055605.D
Acq: 14 Nov 2022 15:19

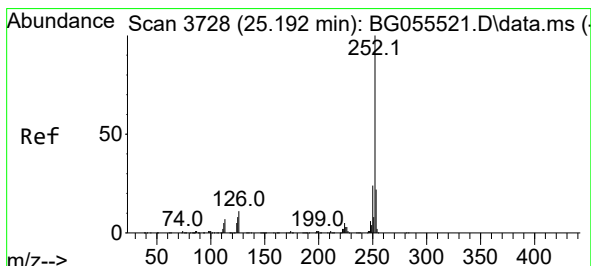
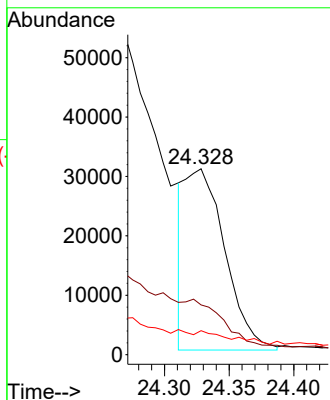
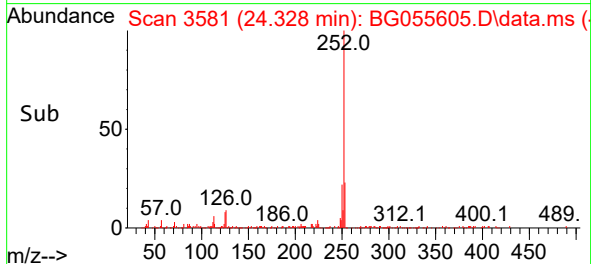
Instrument :
BNA_G
ClientSampleId :
RM-3RE



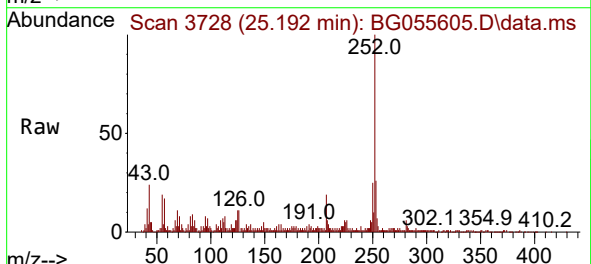
Tgt Ion:252 Resp: 6615
Ion Ratio Lower Upper
252 100
253 26.8 17.8 26.8
125 12.9 6.9 10.3

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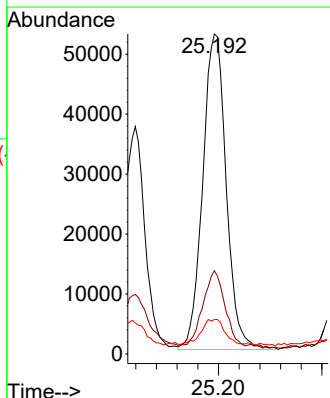
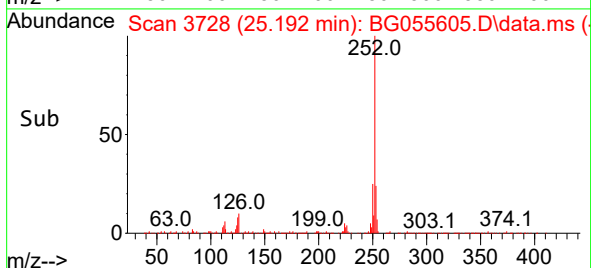
Reviewed By :Christian Giraldo 11/15/2022
Supervised By :Jagrut Upadhyay 11/15/2022

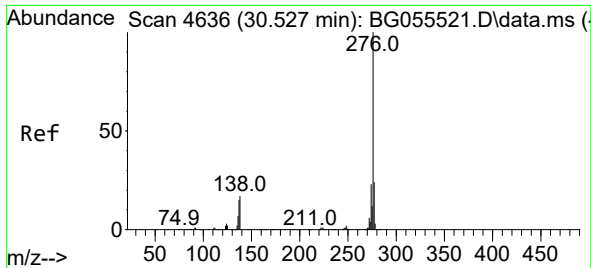


#90
Benzo(a)pyrene
Concen: 7.873 ng
RT: 25.192 min Scan# 3728
Delta R.T. -0.000 min
Lab File: BG055605.D
Acq: 14 Nov 2022 15:19



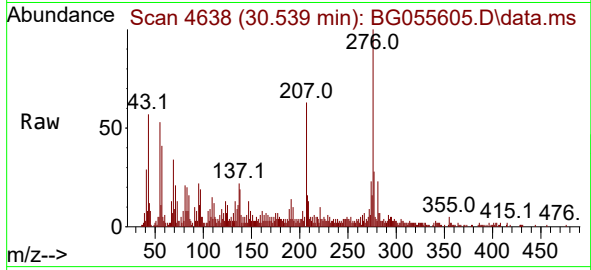
Tgt Ion:252 Resp: 165851
Ion Ratio Lower Upper
252 100
253 26.0 17.8 26.6
125 10.8 6.7 10.1





#92
Benzo(g,h,i)perylene
Concen: 3.841 ng
RT: 30.539 min Scan# 40
Delta R.T. 0.012 min
Lab File: BG055605.D
Acq: 14 Nov 2022 15:19

Instrument :
BNA_G
ClientSampleId :
RM-3RE



Tgt Ion:	276	Resp:	9136
Ion Ratio	Lower	Upper	
276	100		
277	27.5	19.3	28.9
138	19.4	13.9	20.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/15/2022
Supervised By :Jagrut Upadhyay 11/15/2022

