

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091522\
 Data File : BG054966.D
 Acq On : 15 Sep 2022 21:44
 Operator : CG/JU
 Sample : N4569-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SASP2-T-6-(0-5)

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/16/2022
 Supervised By : Jagrut Upadhyay 09/16/2022

Quant Time: Sep 16 05:33:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 15 03:14:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.129	152	46930	20.000	ng	0.00
21) Naphthalene-d8	10.955	136	187724	20.000	ng	0.00
39) Acenaphthene-d10	14.769	164	119879	20.000	ng	0.00
64) Phenanthrene-d10	17.518	188	244117	20.000	ng	0.00
76) Chrysene-d12	21.813	240	233158	20.000	ng	0.00
86) Perylene-d12	25.198	264	231043	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.673	112	240818	89.357	ng	0.00
7) Phenol-d6	7.295	99	319364	86.650	ng	0.00
23) Nitrobenzene-d5	9.310	82	188932	52.834	ng	0.00
42) 2,4,6-Tribromophenol	16.261	330	124489	83.105	ng	0.00
45) 2-Fluorobiphenyl	13.394	172	479900	60.169	ng	0.00
79) Terphenyl-d14	20.115	244	678036	57.620	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.559	178	196193	15.087	ng	99
72) Anthracene	17.653	178	36542	2.890	ng	99
75) Fluoranthene	19.569	202	434476	27.464	ng	98
78) Pyrene	19.933	202	458455	28.199	ng	98
81) Benzo(a)anthracene	21.796	228	239589	15.155	ng	99
83) Chrysene	21.860	228	240152m	15.888	ng	
87) Indeno(1,2,3-cd)pyrene	29.093	276	106895	6.094	ng	# 81
88) Benzo(b)fluoranthene	24.116	252	298218	20.576	ng	97
89) Benzo(k)fluoranthene	24.175	252	134642m	9.231	ng	
90) Benzo(a)pyrene	25.033	252	241183	19.477	ng	98
92) Benzo(g,h,i)perylene	30.321	276	91677	6.351	ng	95

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

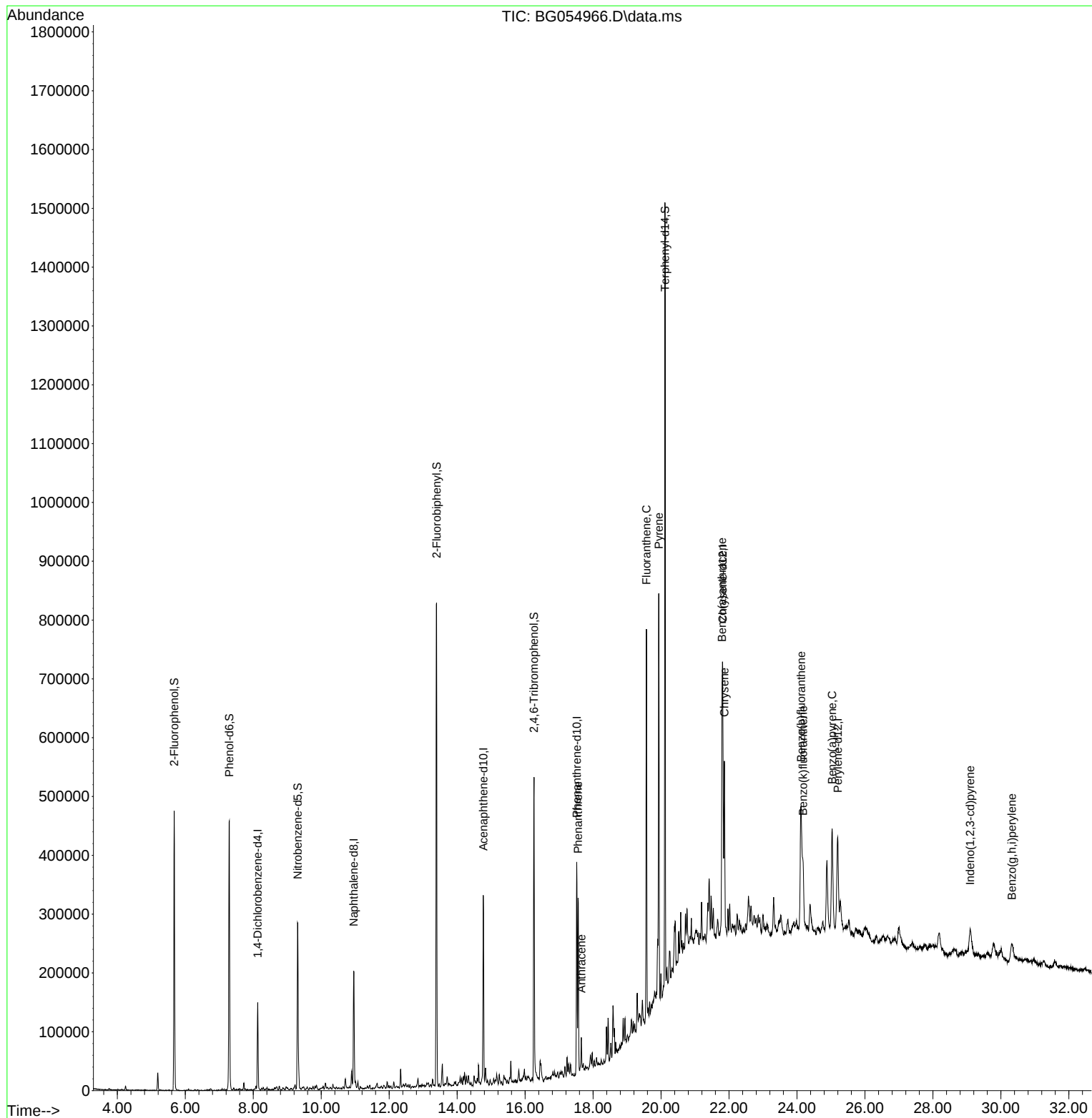
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091522\
Data File : BG054966.D
Acq On : 15 Sep 2022 21:44
Operator : CG/JU
Sample : N4569-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

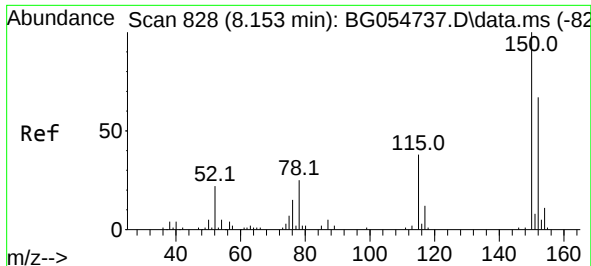
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Quant Time: Sep 16 05:33:39 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
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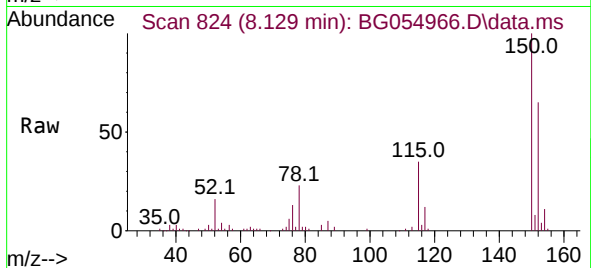
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.129 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG054966.D
Acq: 15 Sep 2022 21:44

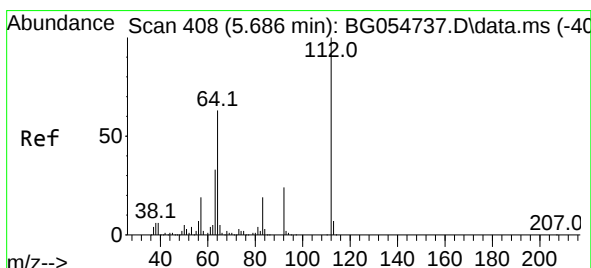
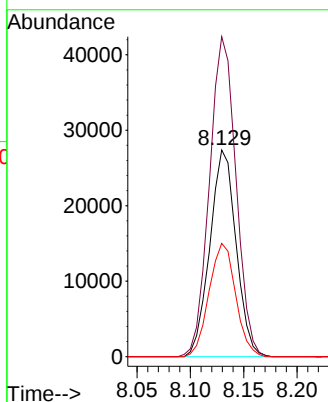
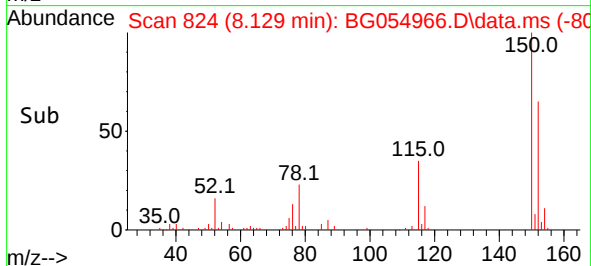
Instrument :
BNA_G
ClientSampleId :
SASP2-T-6-(0-5)



Tgt Ion:152 Resp: 46930
Ion Ratio Lower Upper
152 100
150 154.8 125.2 187.8
115 54.8 47.9 71.9

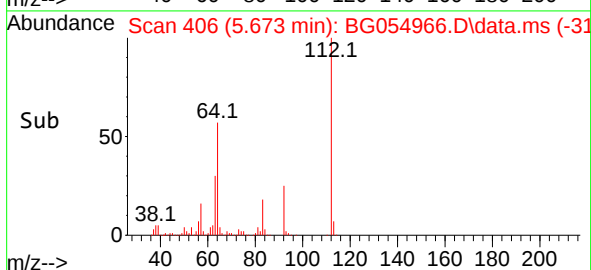
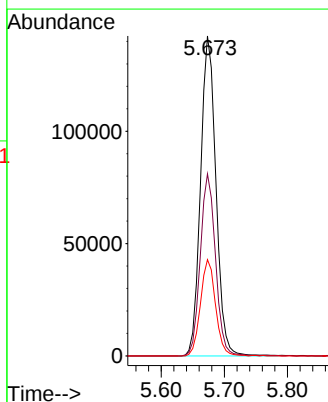
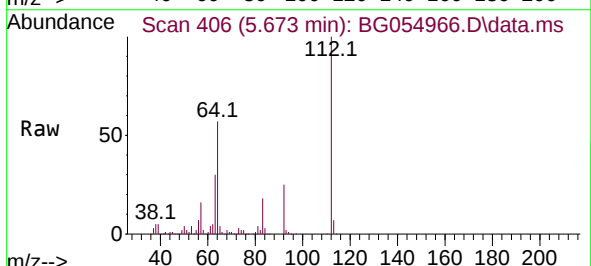
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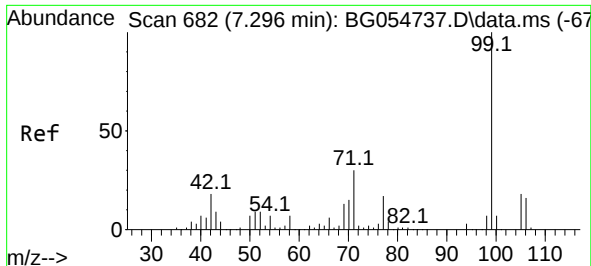
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Supervised By :Jagrut Upadhyay 09/16/2022



#5
2-Fluorophenol
Concen: 89.357 ng
RT: 5.673 min Scan# 406
Delta R.T. 0.000 min
Lab File: BG054966.D
Acq: 15 Sep 2022 21:44

Tgt Ion:112 Resp: 240818
Ion Ratio Lower Upper
112 100
64 56.9 49.3 73.9
63 30.1 26.3 39.5





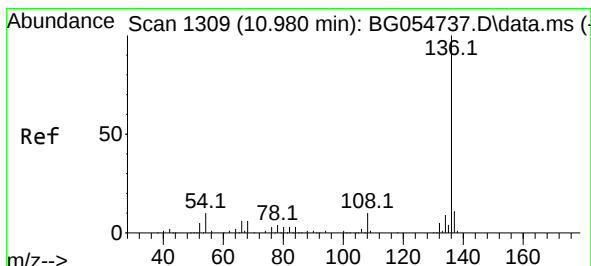
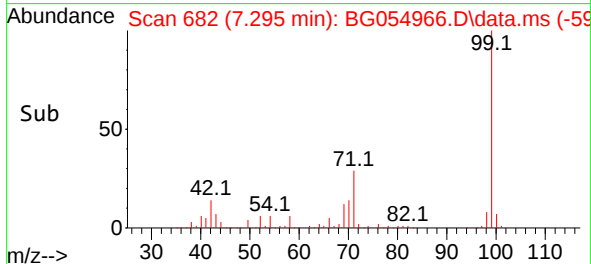
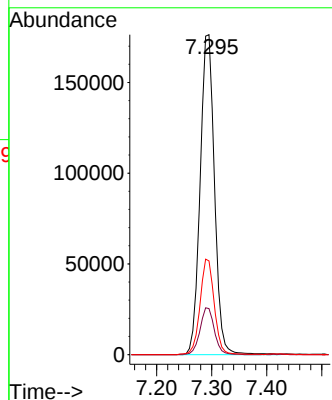
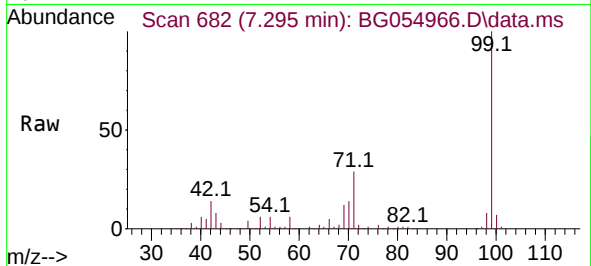
#7
Phenol-d6
Concen: 86.650 ng
RT: 7.295 min Scan# 682
Delta R.T. 0.006 min
Lab File: BG054966.D
Acq: 15 Sep 2022 21:44

Instrument :
BNA_G
ClientSampleId :
SASP2-T-6-(0-5)

Tgt Ion: 99 Resp: 319364
Ion Ratio Lower Upper
99 100
42 14.4 14.6 22.0
71 29.3 24.6 37.0

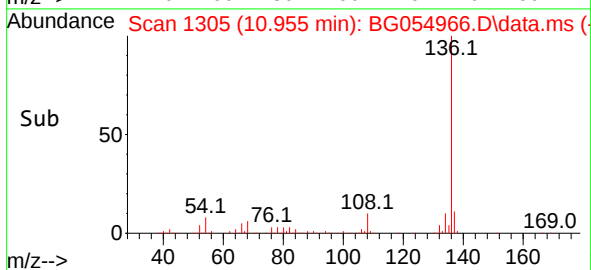
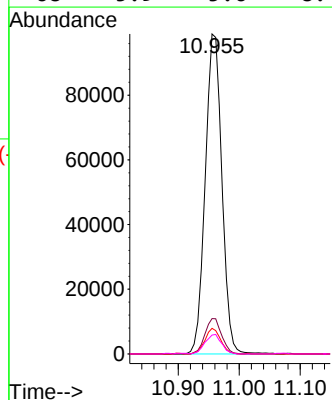
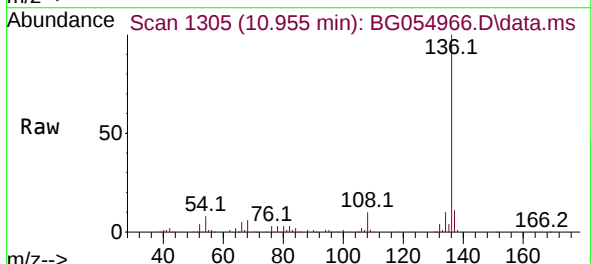
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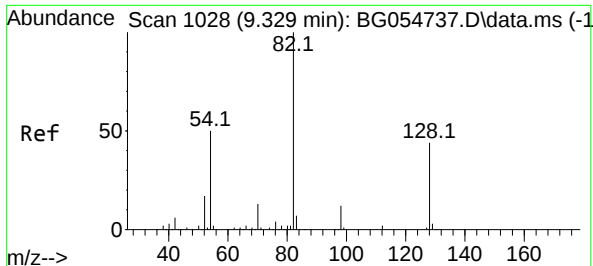
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.955 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BG054966.D
Acq: 15 Sep 2022 21:44

Tgt Ion:136 Resp: 187724
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 8.0 7.7 11.5
68 5.9 5.6 8.4





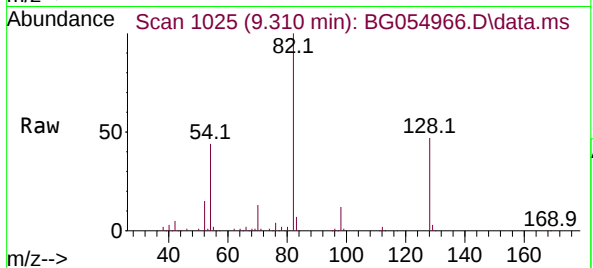
#23
Nitrobenzene-d5
Concen: 52.834 ng
RT: 9.310 min Scan# 1025
Delta R.T. 0.000 min
Lab File: BG054966.D
Acq: 15 Sep 2022 21:44

Instrument :

BNA_G

ClientSampleId :

SASP2-T-6-(0-5)

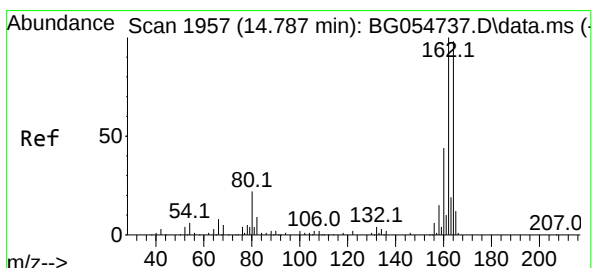
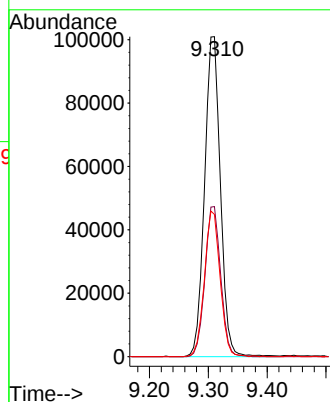
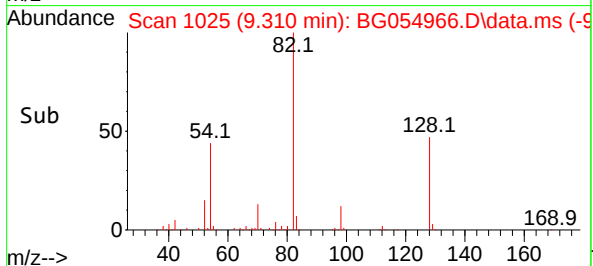


Tgt Ion: 82 Resp: 188932
Ion Ratio Lower Upper
82 100
128 46.9 32.2 48.2
54 44.4 41.4 62.0

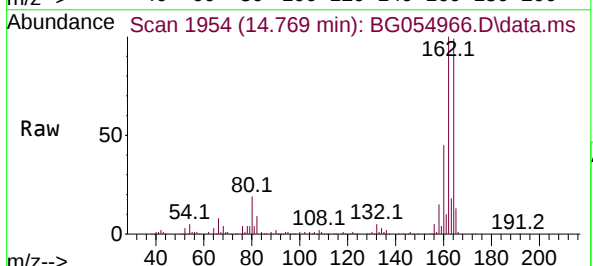
Manual Integrations

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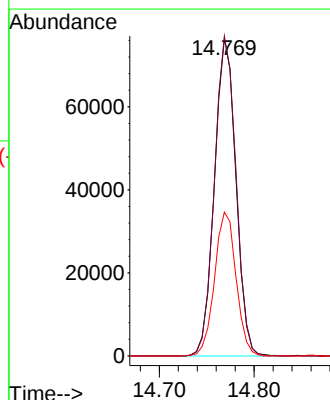
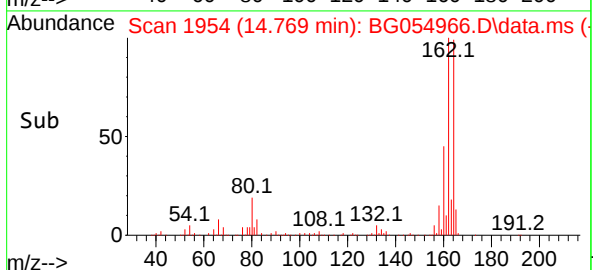
Reviewed By :Christian Giraldo 09/16/2022
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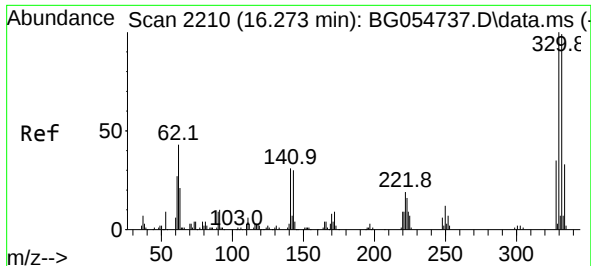


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.769 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BG054966.D
Acq: 15 Sep 2022 21:44



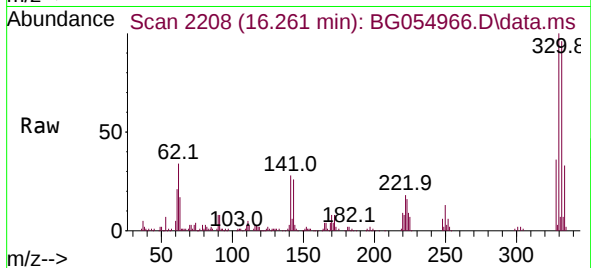
Tgt Ion:164 Resp: 119879
Ion Ratio Lower Upper
164 100
162 100.9 83.0 124.4
160 45.3 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 83.105 ng
RT: 16.261 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG054966.D
Acq: 15 Sep 2022 21:44

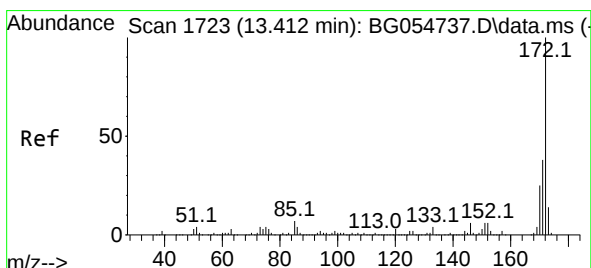
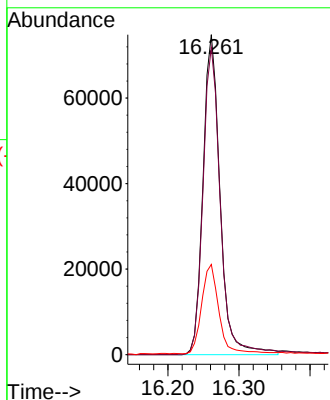
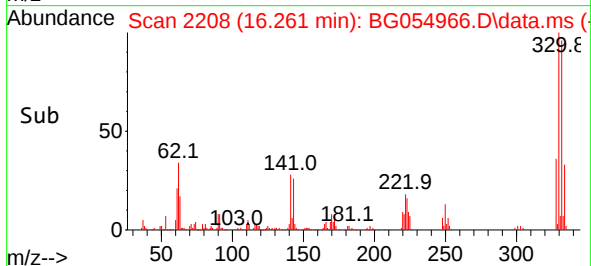
Instrument :
BNA_G
ClientSampleId :
SASP2-T-6-(0-5)



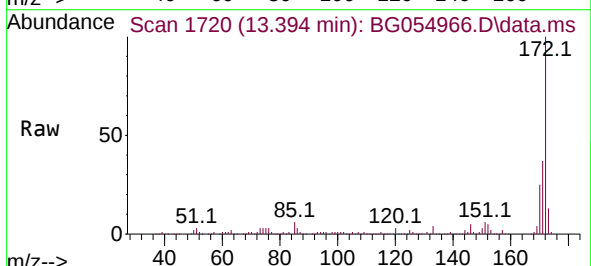
Tgt Ion:330 Resp: 124489
Ion Ratio Lower Upper
330 100
332 99.1 79.8 119.6
141 28.8 26.8 40.2

Manual Integrations
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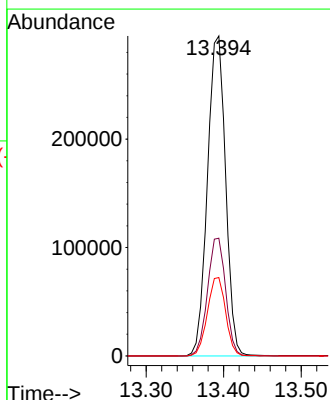
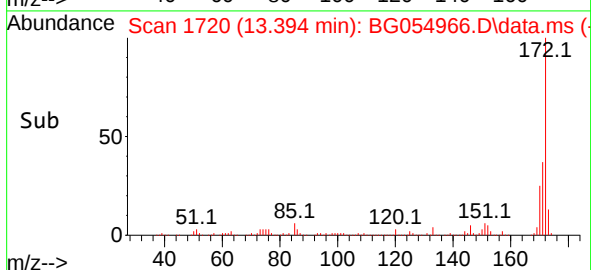
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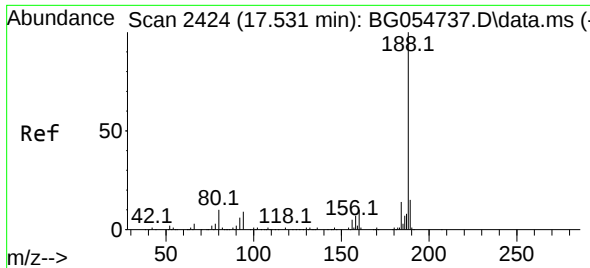


#45
2-Fluorobiphenyl
Concen: 60.169 ng
RT: 13.394 min Scan# 1720
Delta R.T. 0.000 min
Lab File: BG054966.D
Acq: 15 Sep 2022 21:44



Tgt Ion:172 Resp: 479900
Ion Ratio Lower Upper
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171 36.8 31.2 46.8
170 24.5 20.6 30.8





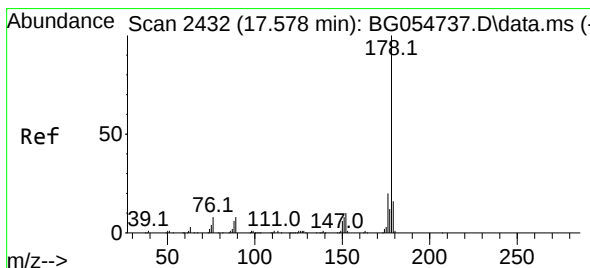
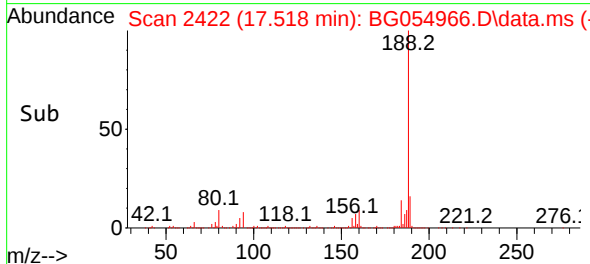
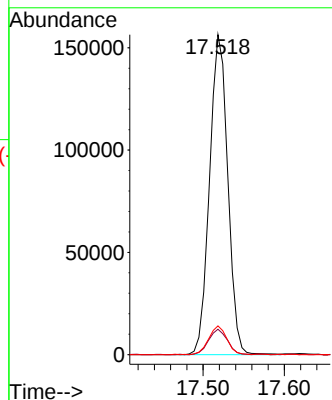
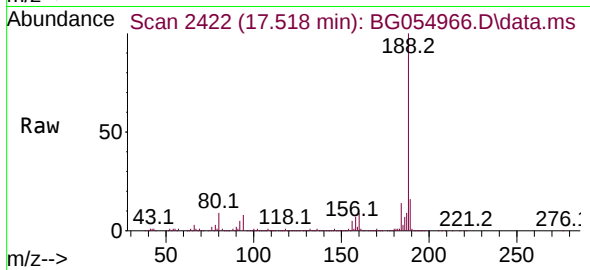
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.518 min Scan# 2422
Delta R.T. -0.006 min
Lab File: BG054966.D
Acq: 15 Sep 2022 21:44

Instrument :
BNA_G
ClientSampleId :
SASP2-T-6-(0-5)

Tgt Ion:188 Resp: 244117
Ion Ratio Lower Upper
188 100
94 7.9 7.0 10.4
80 9.0 7.9 11.9

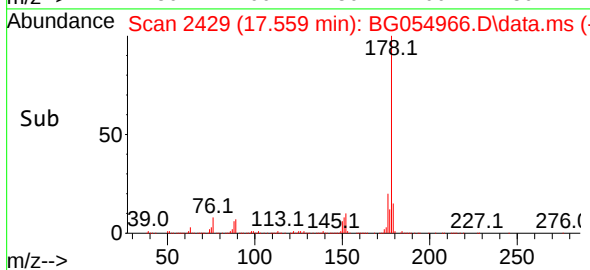
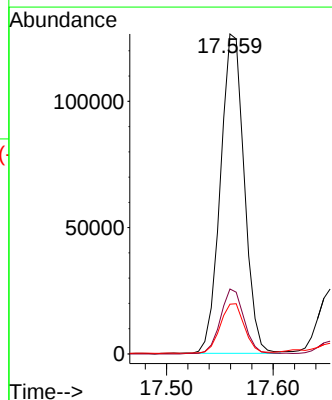
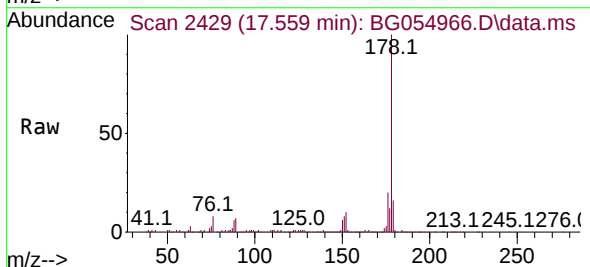
Manual Integrations
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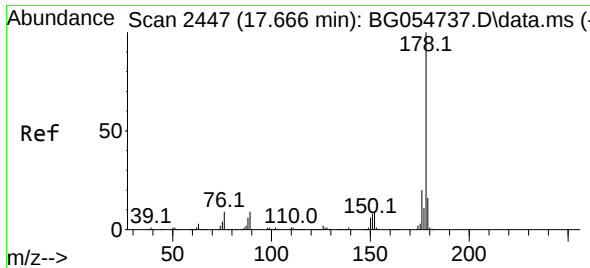
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#71
Phenanthrene
Concen: 15.087 ng
RT: 17.559 min Scan# 2429
Delta R.T. -0.006 min
Lab File: BG054966.D
Acq: 15 Sep 2022 21:44

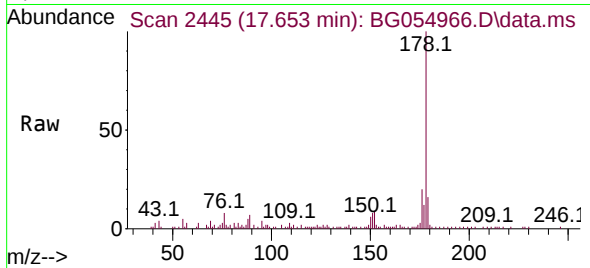
Tgt Ion:178 Resp: 196193
Ion Ratio Lower Upper
178 100
176 20.3 16.6 25.0
179 15.5 12.8 19.2





#72
 Anthracene
 Concen: 2.890 ng
 RT: 17.653 min Scan# 2445
 Delta R.T. -0.006 min
 Lab File: BG054966.D
 Acq: 15 Sep 2022 21:44

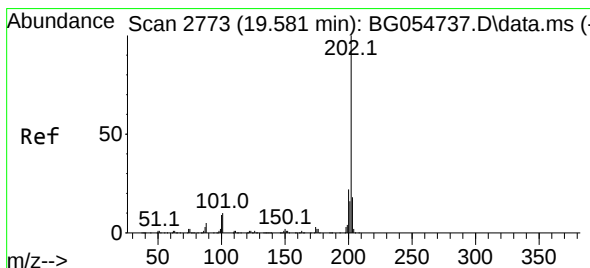
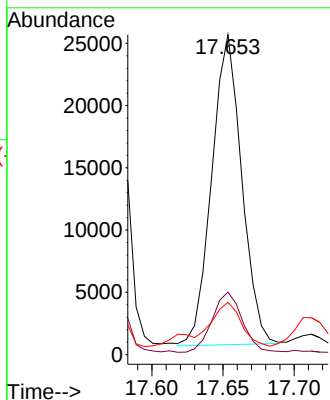
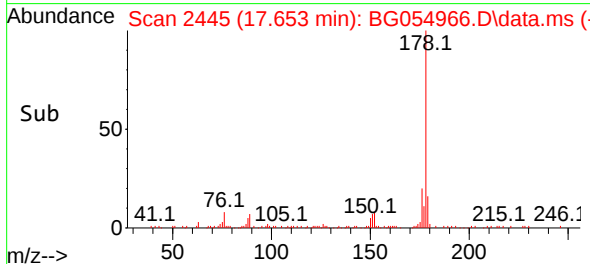
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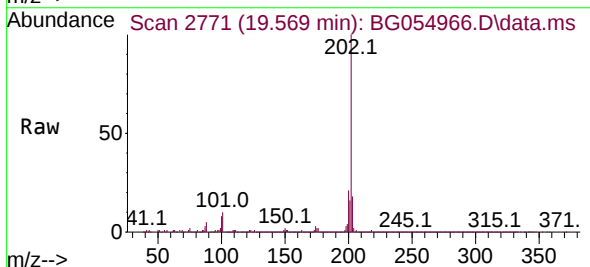
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 Ion Ratio Lower Upper
 178 100
 176 19.5 16.2 24.4
 179 16.3 12.9 19.3

Manual Integrations
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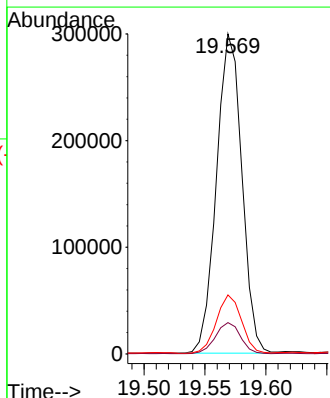
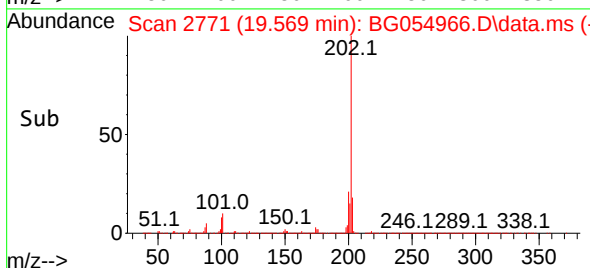
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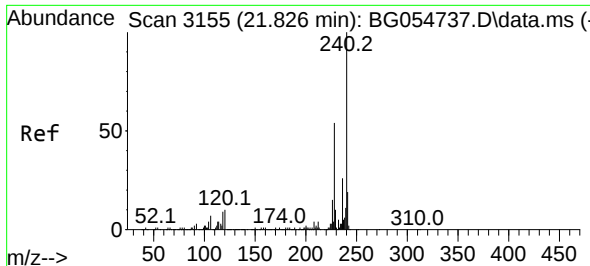


#75
 Fluoranthene
 Concen: 27.464 ng
 RT: 19.569 min Scan# 2771
 Delta R.T. 0.000 min
 Lab File: BG054966.D
 Acq: 15 Sep 2022 21:44



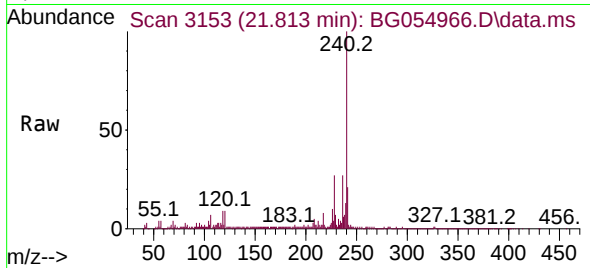
Tgt Ion:202 Resp: 434476
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 31.4
 203 18.4 0.0 38.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.813 min Scan# 3155
Delta R.T. -0.006 min
Lab File: BG054966.D
Acq: 15 Sep 2022 21:44

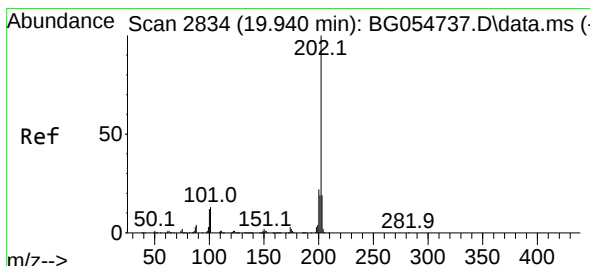
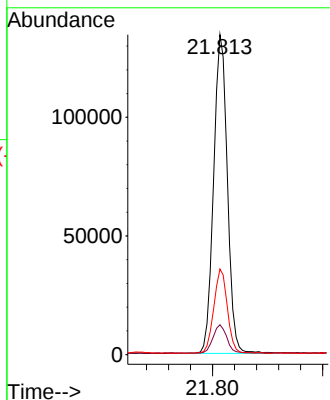
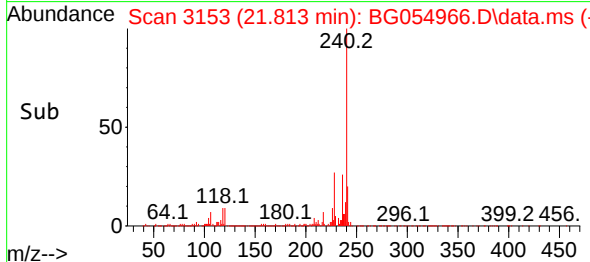
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SASP2-T-6-(0-5)



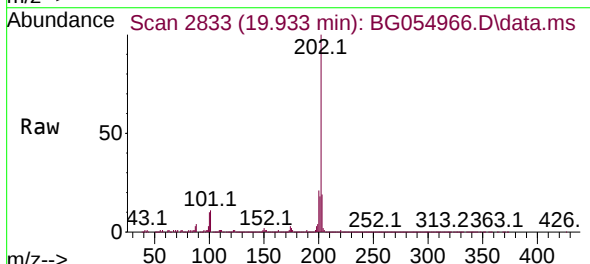
Tgt Ion:240 Resp: 233158
Ion Ratio Lower Upper
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120 9.3 8.2 12.4
236 26.7 21.2 31.8

Manual Integrations
APPROVED

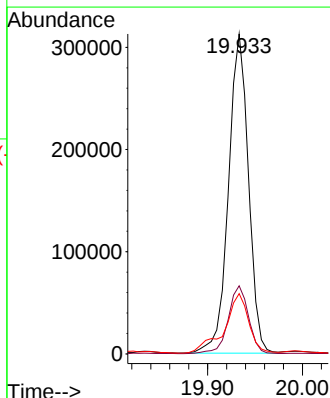
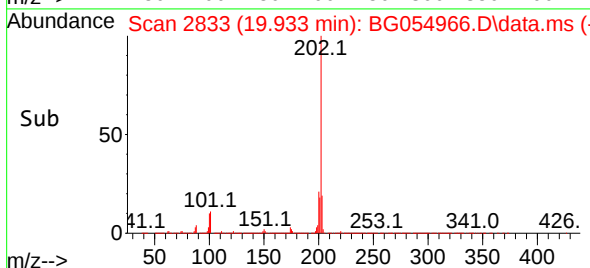
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

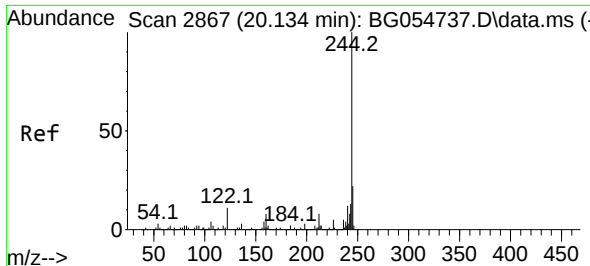


#78
Pyrene
Concen: 28.199 ng
RT: 19.933 min Scan# 2833
Delta R.T. 0.000 min
Lab File: BG054966.D
Acq: 15 Sep 2022 21:44



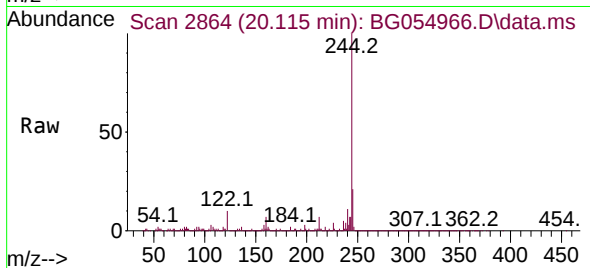
Tgt Ion:202 Resp: 458455
Ion Ratio Lower Upper
202 100
200 21.3 17.8 26.6
203 18.8 14.6 21.8





#79
 Terphenyl-d14
 Concen: 57.620 ng
 RT: 20.115 min Scan# 2864
 Delta R.T. -0.005 min
 Lab File: BG054966.D
 Acq: 15 Sep 2022 21:44

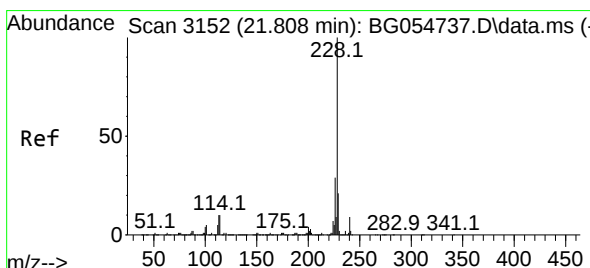
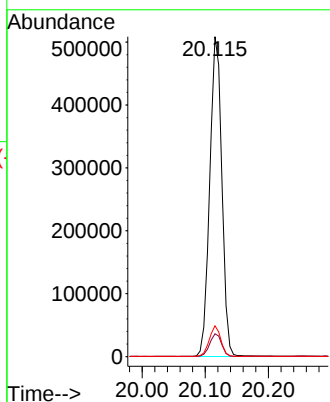
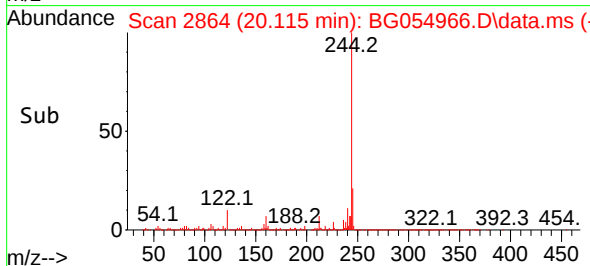
Instrument :
 BNA_G
 ClientSampleId :
 SASP2-T-6-(0-5)



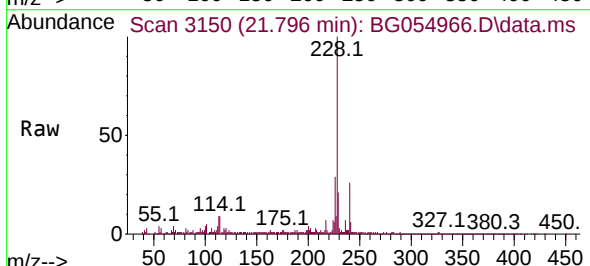
Tgt Ion:244 Resp: 678036
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.2 9.2
 122 9.6 9.0 13.6

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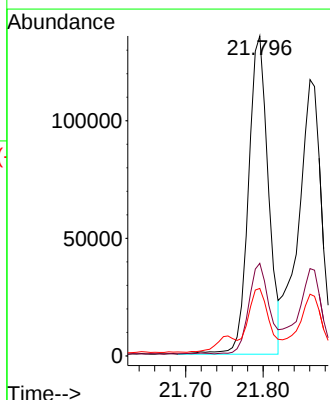
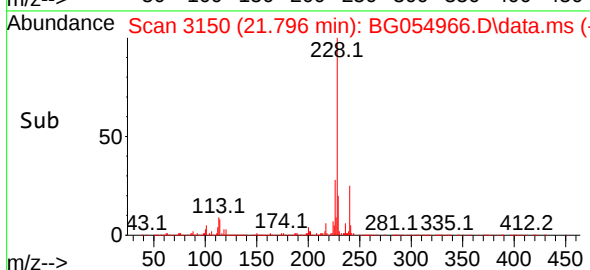
Reviewed By :Christian Giraldo 09/16/2022
 Supervised By :Jagrut Upadhyay 09/16/2022

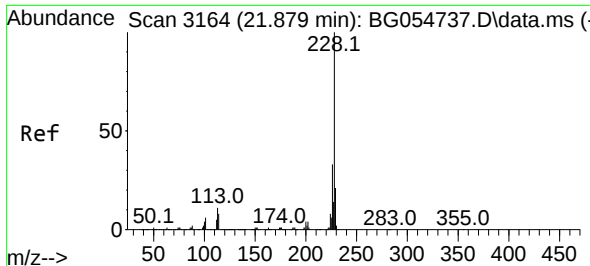


#81
 Benzo(a)anthracene
 Concen: 15.155 ng
 RT: 21.796 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: BG054966.D
 Acq: 15 Sep 2022 21:44



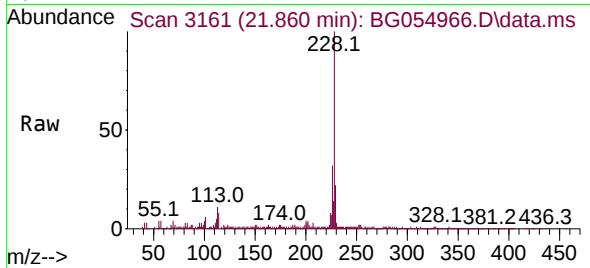
Tgt Ion:228 Resp: 239589
 Ion Ratio Lower Upper
 228 100
 226 28.9 23.4 35.2
 229 21.1 16.5 24.7





#83
Chrysene
Concen: 15.888 ng m
RT: 21.860 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG054966.D
Acq: 15 Sep 2022 21:44

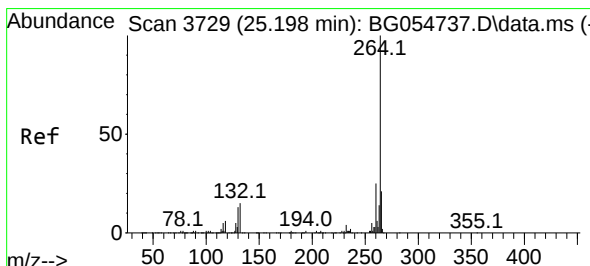
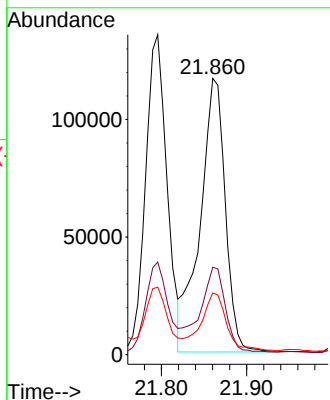
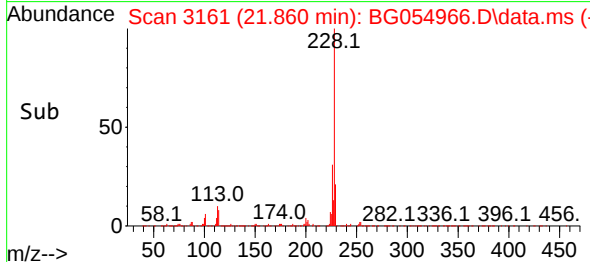
Instrument :
BNA_G
ClientSampleId :
SASP2-T-6-(0-5)



Tgt Ion:228 Resp: 240152
Ion Ratio Lower Upper
228 100
226 31.6 25.5 38.3
229 22.3 16.8 25.2

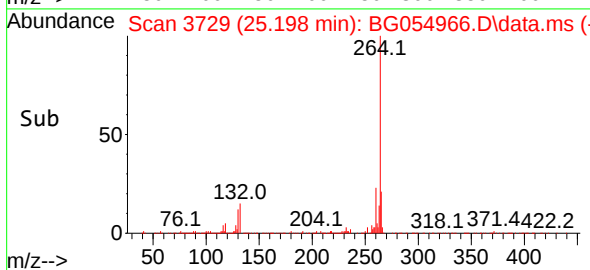
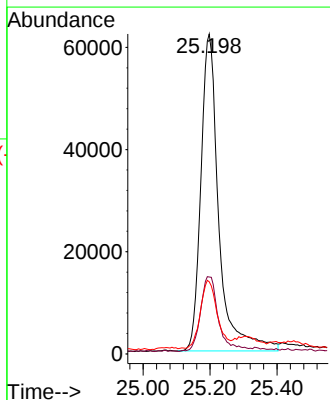
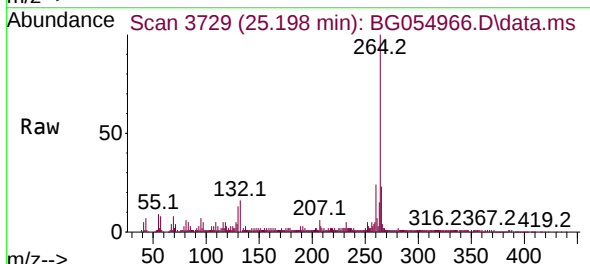
Manual Integrations
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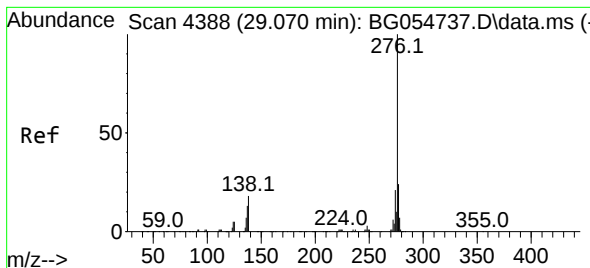
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.198 min Scan# 3729
Delta R.T. 0.012 min
Lab File: BG054966.D
Acq: 15 Sep 2022 21:44

Tgt Ion:264 Resp: 231043
Ion Ratio Lower Upper
264 100
260 24.0 19.9 29.9
265 22.5 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.094 ng

RT: 29.093 min Scan# 4388

Delta R.T. 0.006 min

Lab File: BG054966.D

Acq: 15 Sep 2022 21:44

Instrument :

BNA_G

ClientSampleId :

SASP2-T-6-(0-5)

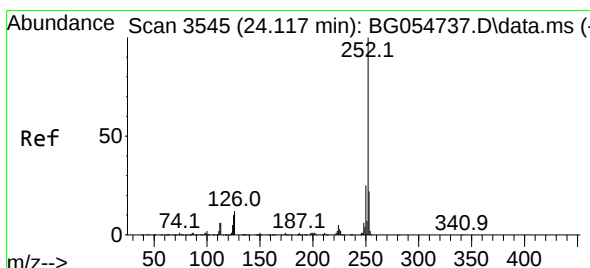
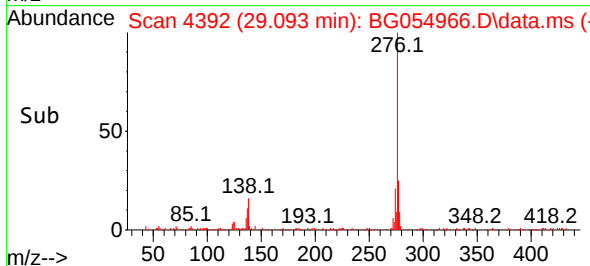
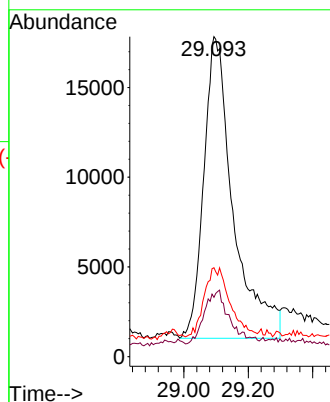
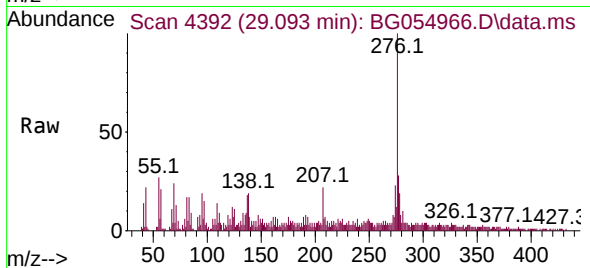
Tgt Ion:	276	Resp:	10689
Ion Ratio	Lower	Upper	
276	100		
138	14.0	12.0	18.0
277	10.6	20.2	30.4

Manual Integrations

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Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#88

Benzo(b)fluoranthene

Concen: 20.576 ng

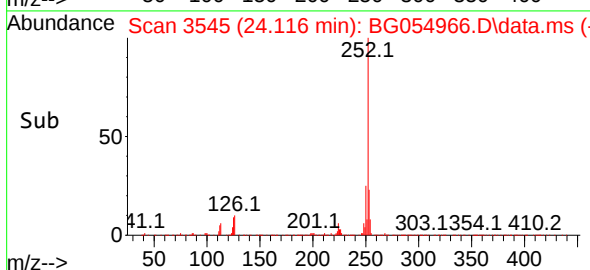
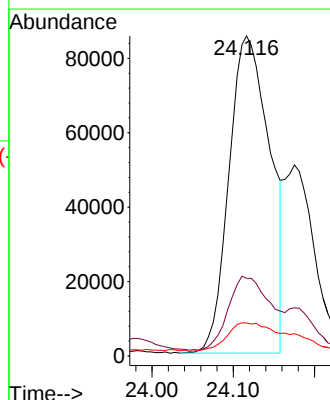
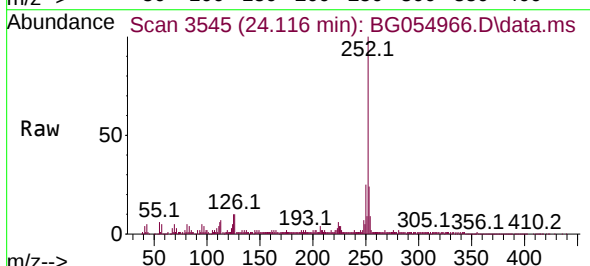
RT: 24.116 min Scan# 3545

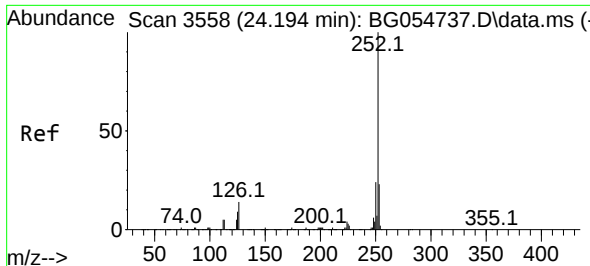
Delta R.T. 0.006 min

Lab File: BG054966.D

Acq: 15 Sep 2022 21:44

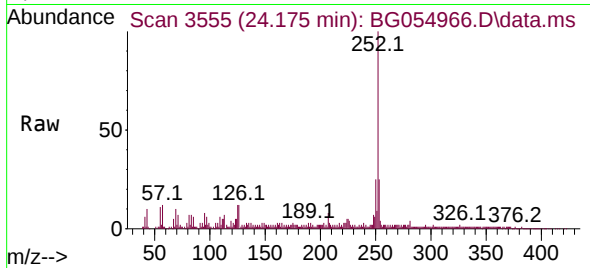
Tgt Ion:	252	Resp:	298218
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.0	27.0
125	10.3	8.1	12.1





#89
Benzo(k)fluoranthene
Concen: 9.231 ng m
RT: 24.175 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG054966.D
Acq: 15 Sep 2022 21:44

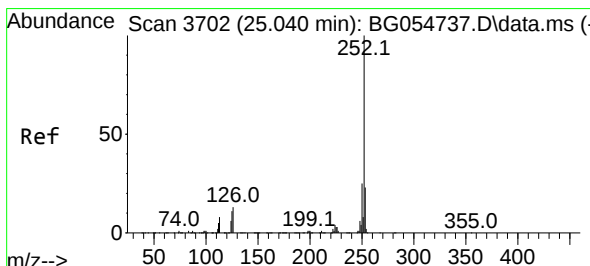
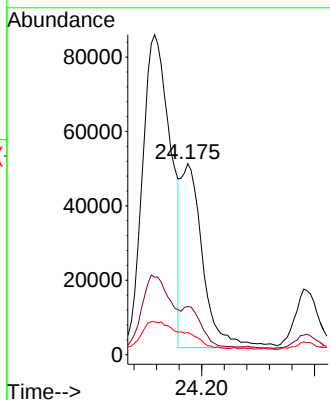
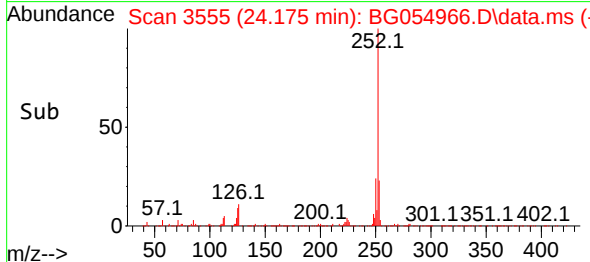
Instrument :
BNA_G
ClientSampleId :
SASP2-T-6-(0-5)



Tgt Ion:252 Resp: 134642
Ion Ratio Lower Upper
252 100
253 25.2 17.8 26.8
125 11.6 8.2 12.4

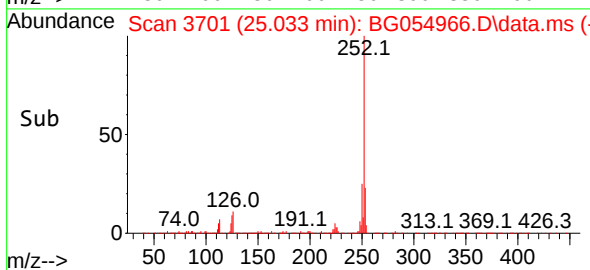
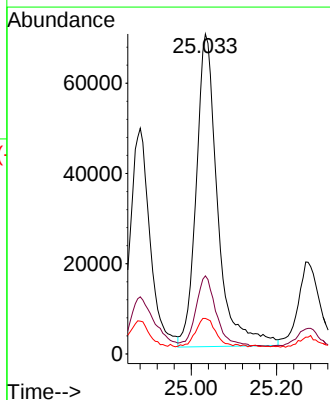
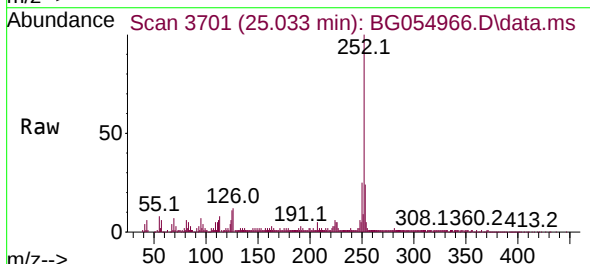
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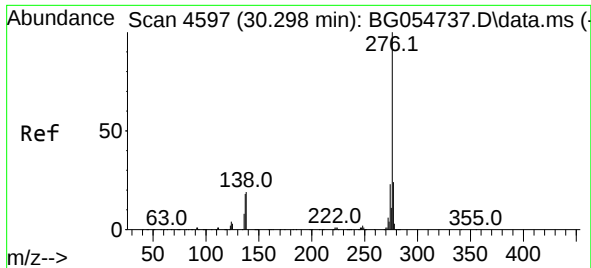
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#90
Benzo(a)pyrene
Concen: 19.477 ng
RT: 25.033 min Scan# 3701
Delta R.T. 0.000 min
Lab File: BG054966.D
Acq: 15 Sep 2022 21:44

Tgt Ion:252 Resp: 241183
Ion Ratio Lower Upper
252 100
253 24.4 18.3 27.5
125 11.1 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 6.351 ng

RT: 30.321 min Scan# 40

Delta R.T. 0.012 min

Lab File: BG054966.D

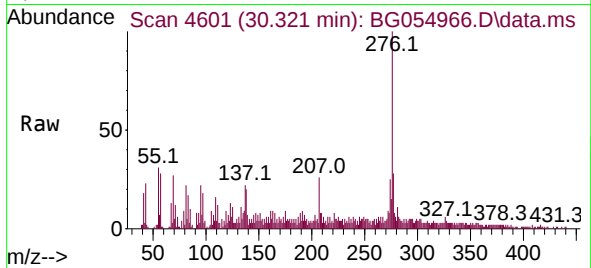
Acq: 15 Sep 2022 21:44

Instrument :

BNA_G

ClientSampleId :

SASP2-T-6-(0-5)



Tgt Ion:	276	Resp:	9167
Ion Ratio	Lower	Upper	
276	100		
277	27.7	19.4	29.0
138	19.9	16.6	25.0

Manual Integrations

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Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022

