

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091222\
 Data File : BG054912.D
 Acq On : 12 Sep 2022 18:55
 Operator : CG/JU
 Sample : N4572-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PSC-124037

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/13/2022
 Supervised By : Jagrut Upadhyay 09/13/2022

Quant Time: Sep 13 03:06:59 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 10 01:53:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.138	152	35859	20.000	ng	0.00
21) Naphthalene-d8	10.970	136	146864	20.000	ng	# 0.00
39) Acenaphthene-d10	14.777	164	106078	20.000	ng	0.00
64) Phenanthrene-d10	17.527	188	247006	20.000	ng	0.00
76) Chrysene-d12	21.816	240	255236	20.000	ng	0.00
86) Perylene-d12	25.194	264	269309	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.682	112	271248	131.722	ng	0.00
7) Phenol-d6	7.298	99	360673	128.071	ng	0.00
23) Nitrobenzene-d5	9.319	82	211453	75.584	ng	0.00
42) 2,4,6-Tribromophenol	16.264	330	176208	132.936	ng	0.00
45) 2-Fluorobiphenyl	13.397	172	515701	73.069	ng	0.00
79) Terphenyl-d14	20.124	244	840656	65.260	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.568	178	45942	3.492	ng	97
72) Anthracene	17.656	178	79212	6.192	ng	97
75) Fluoranthene	19.572	202	175574	10.969	ng	97
78) Pyrene	19.936	202	192860	10.836	ng	99
81) Benzo(a)anthracene	21.798	228	97519	5.635	ng	98
83) Chrysene	21.863	228	139186m	8.412	ng	
87) Indeno(1,2,3-cd)pyrene	29.072	276	47373	2.317	ng	# 94
88) Benzo(b)fluoranthene	24.113	252	129005	7.636	ng	97
89) Benzo(k)fluoranthene	24.178	252	44513m	2.618	ng	
90) Benzo(a)pyrene	25.030	252	81014	5.613	ng	99
92) Benzo(g,h,i)perylene	30.300	276	42200	2.508	ng	# 91

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

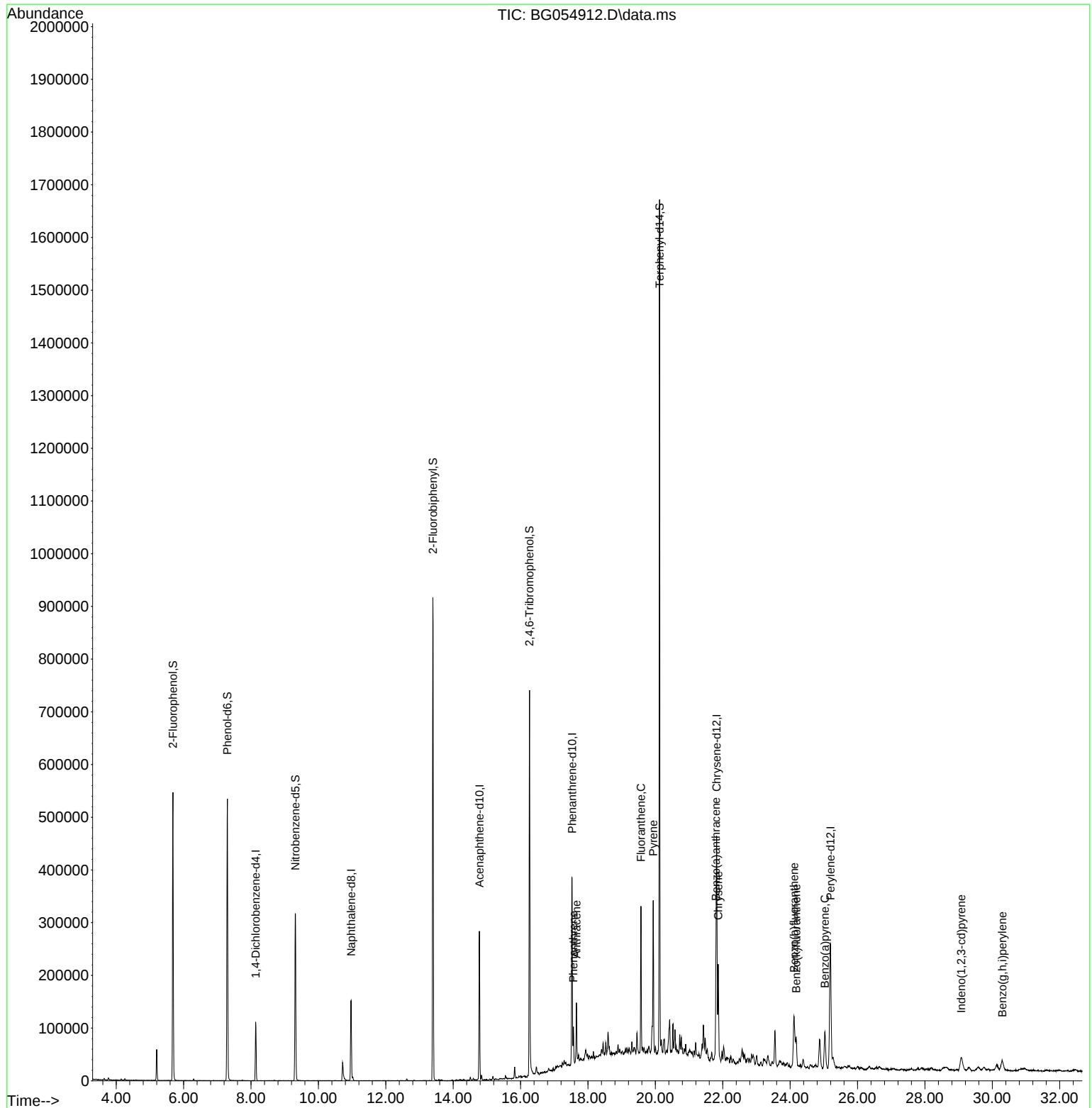
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091222\
Data File : BG054912.D
Acq On : 12 Sep 2022 18:55
Operator : CG/JU
Sample : N4572-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

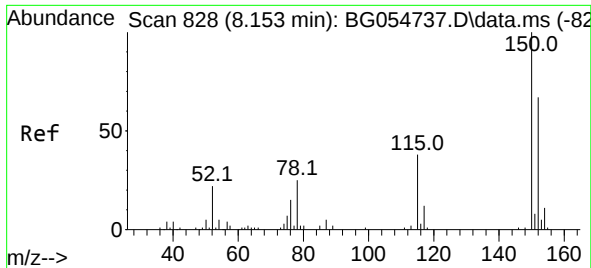
Instrument :
BNA_G
ClientSampleId :
PSC-124037

Quant Time: Sep 13 03:06:59 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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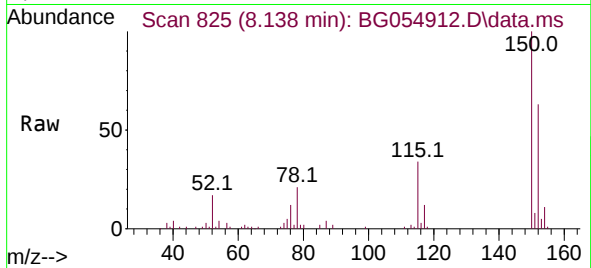
Reviewed By : Christian Giraldo 09/13/2022
Supervised By : Jagrut Upadhyay 09/13/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.138 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG054912.D
Acq: 12 Sep 2022 18:55

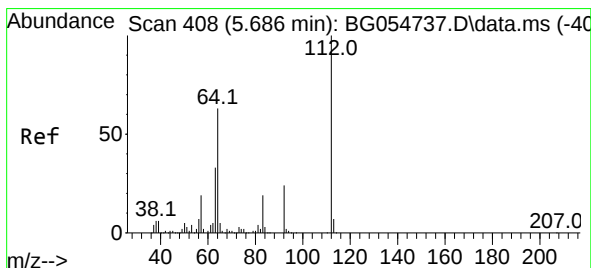
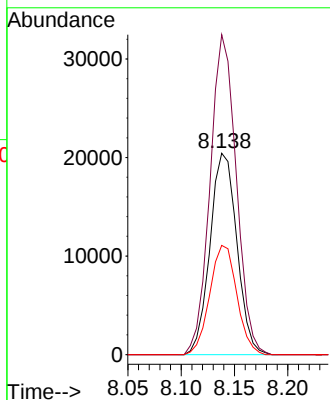
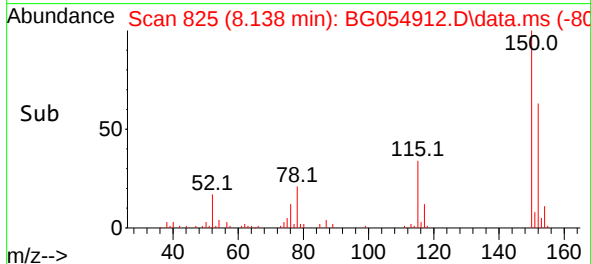
Instrument :
BNA_G
ClientSampleId :
PSC-124037



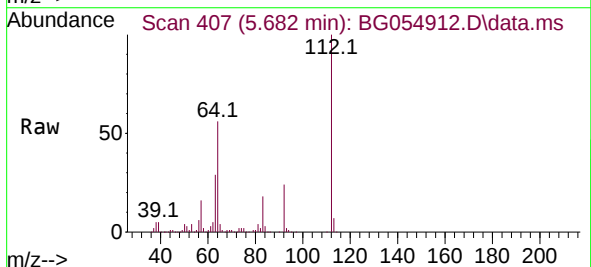
Tgt Ion:152 Resp: 35859
Ion Ratio Lower Upper
152 100
150 158.9 125.2 187.8
115 54.3 47.9 71.9

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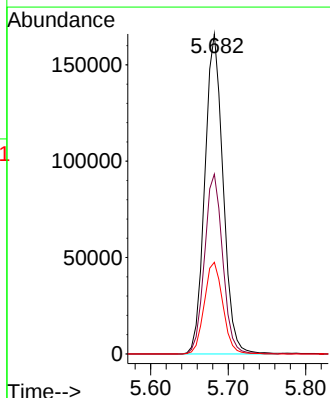
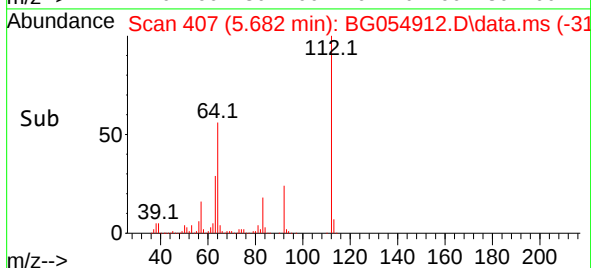
Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022

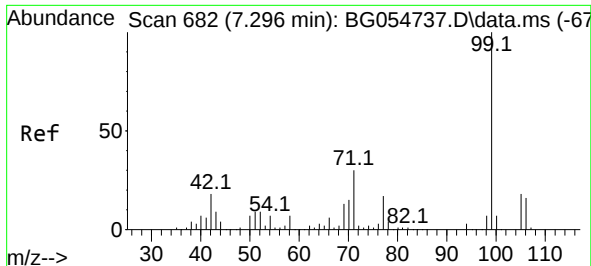


#5
2-Fluorophenol
Concen: 131.722 ng
RT: 5.682 min Scan# 407
Delta R.T. -0.002 min
Lab File: BG054912.D
Acq: 12 Sep 2022 18:55



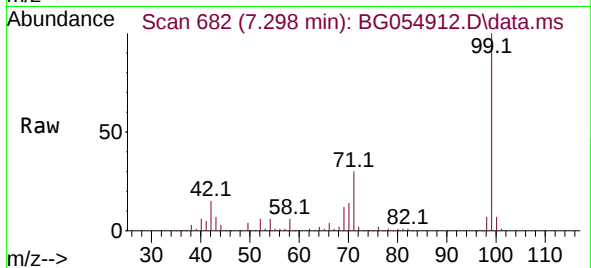
Tgt Ion:112 Resp: 271248
Ion Ratio Lower Upper
112 100
64 56.2 49.3 73.9
63 28.6 26.3 39.5





#7
Phenol-d6
Concen: 128.071 ng
RT: 7.298 min Scan# 682
Delta R.T. -0.002 min
Lab File: BG054912.D
Acq: 12 Sep 2022 18:55

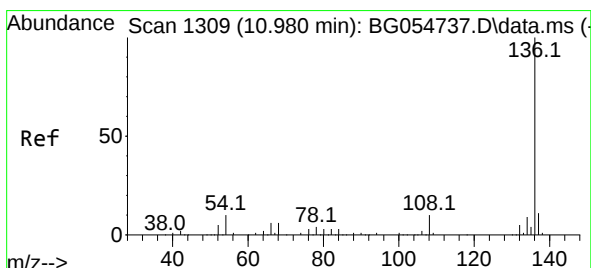
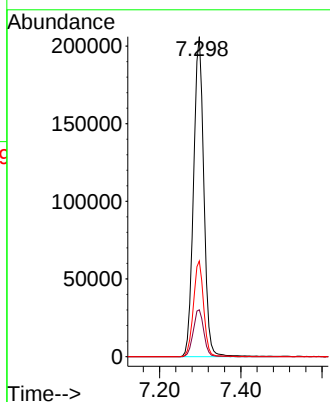
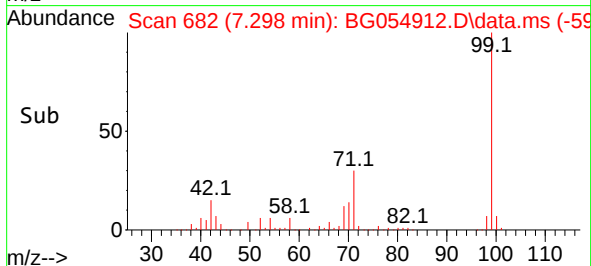
Instrument :
BNA_G
ClientSampleId :
PSC-124037



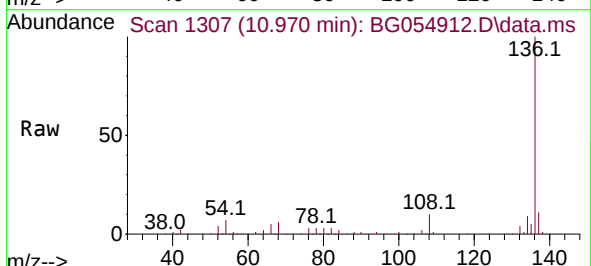
Tgt Ion: 99 Resp: 360673
Ion Ratio Lower Upper
99 100
42 14.6 14.6 22.0
71 29.9 24.6 37.0

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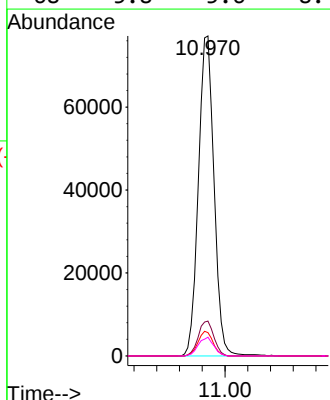
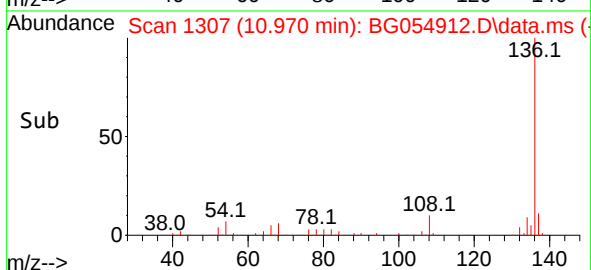
Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022

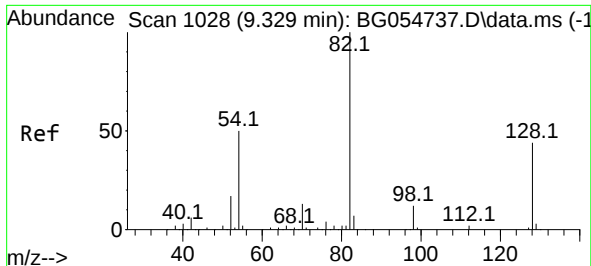


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.970 min Scan# 1307
Delta R.T. -0.002 min
Lab File: BG054912.D
Acq: 12 Sep 2022 18:55



Tgt Ion:136 Resp: 146864
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 7.3 7.7 11.5
68 5.8 5.6 8.4





#23

Nitrobenzene-d5

Concen: 75.584 ng

RT: 9.319 min Scan# 1026

Delta R.T. -0.002 min

Lab File: BG054912.D

Acq: 12 Sep 2022 18:55

Instrument :

BNA_G

ClientSampleId :

PSC-124037

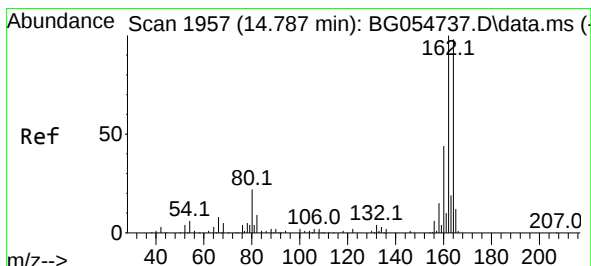
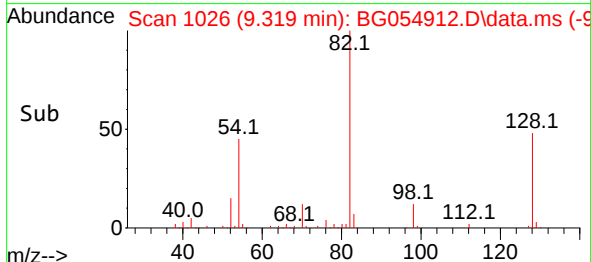
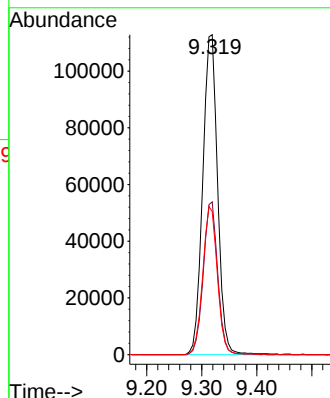
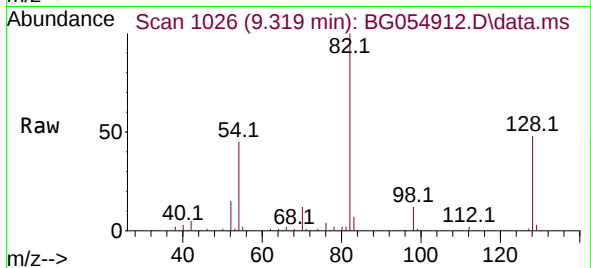
Tgt Ion: 82 Resp: 211453
 Ion Ratio Lower Upper
 82 100
 128 47.7 32.2 48.2
 54 44.7 41.4 62.0

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#39

Acenaphthene-d10

Concen: 20.000 ng

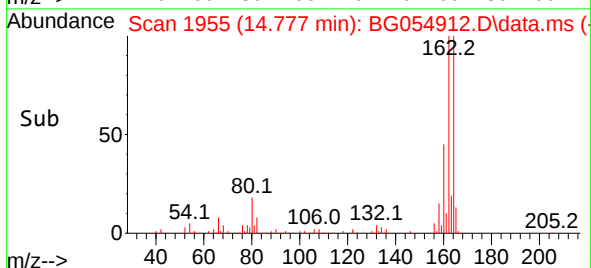
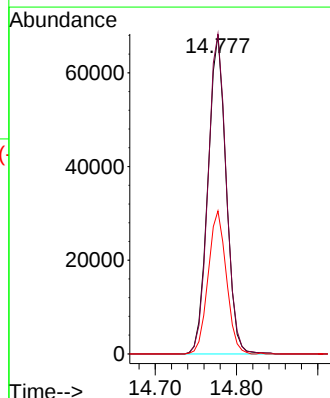
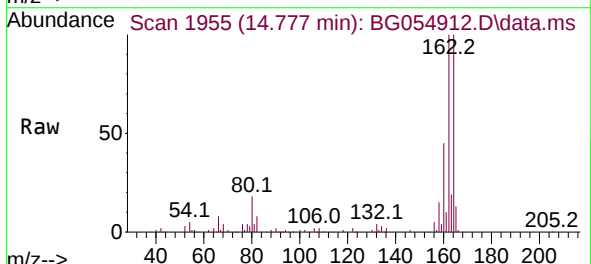
RT: 14.777 min Scan# 1955

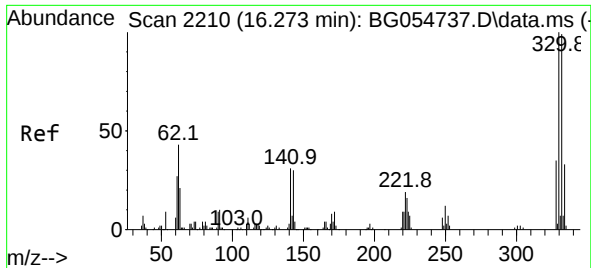
Delta R.T. -0.002 min

Lab File: BG054912.D

Acq: 12 Sep 2022 18:55

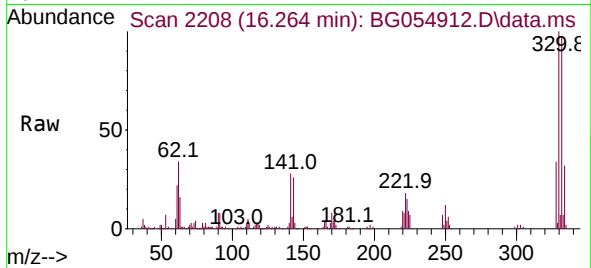
Tgt Ion:164 Resp: 106078
 Ion Ratio Lower Upper
 164 100
 162 100.4 83.0 124.4
 160 44.9 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 132.936 ng
RT: 16.264 min Scan# 2210
Delta R.T. -0.008 min
Lab File: BG054912.D
Acq: 12 Sep 2022 18:55

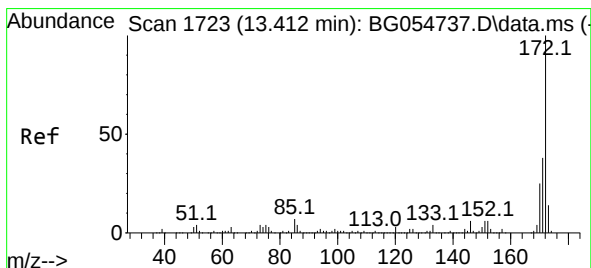
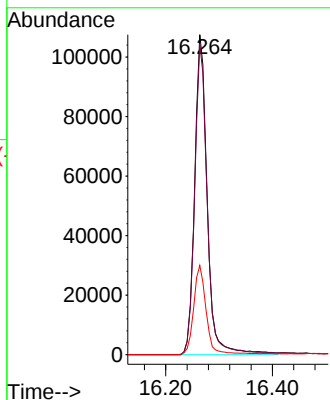
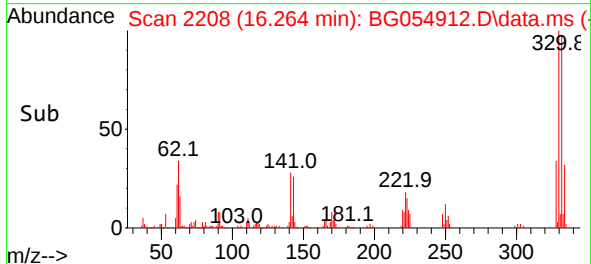
Instrument :
BNA_G
ClientSampleId :
PSC-124037



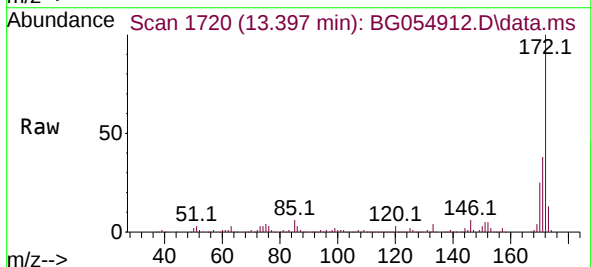
Tgt Ion:330 Resp: 176208
Ion Ratio Lower Upper
330 100
332 96.2 79.8 119.6
141 27.8 26.8 40.2

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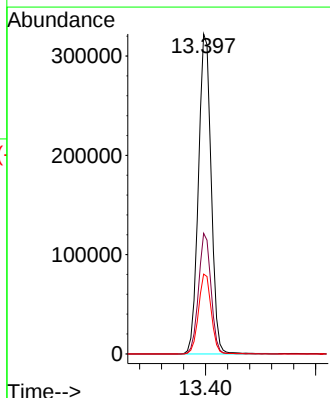
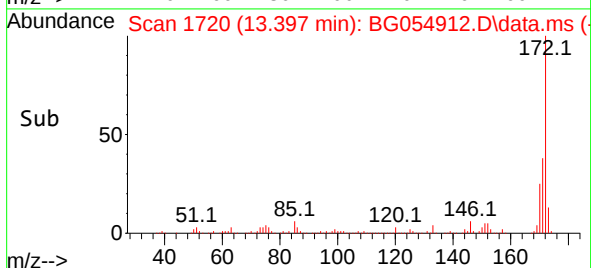
Reviewed By :Christian Giraldo 09/13/2022
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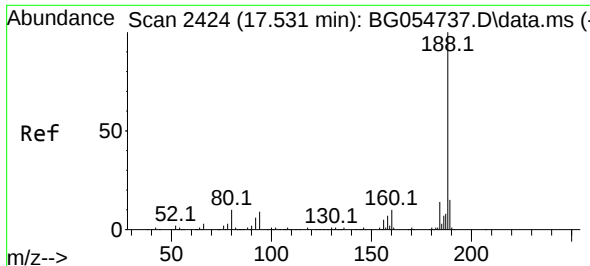


#45
2-Fluorobiphenyl
Concen: 73.069 ng
RT: 13.397 min Scan# 1720
Delta R.T. -0.008 min
Lab File: BG054912.D
Acq: 12 Sep 2022 18:55



Tgt Ion:172 Resp: 515701
Ion Ratio Lower Upper
172 100
171 37.7 31.2 46.8
170 24.9 20.6 30.8





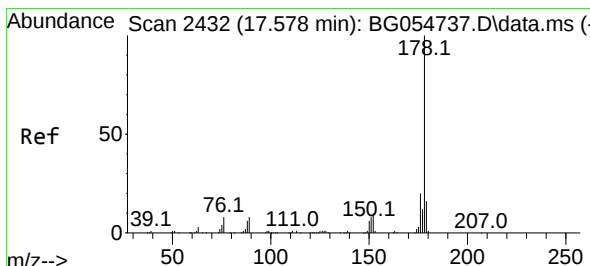
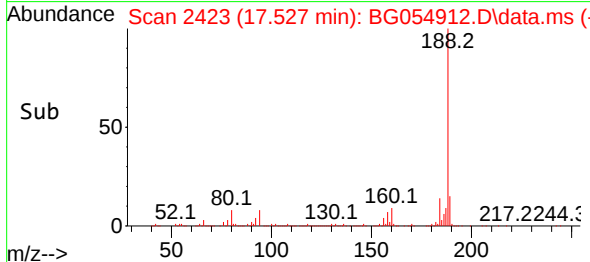
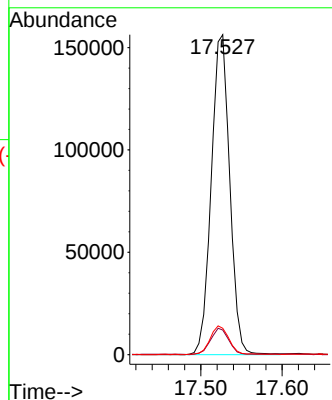
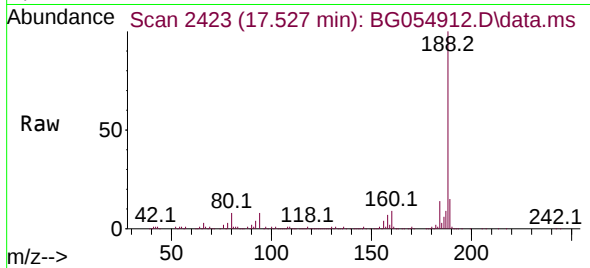
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.527 min Scan# 2423
Delta R.T. -0.002 min
Lab File: BG054912.D
Acq: 12 Sep 2022 18:55

Instrument :
BNA_G
ClientSampleId :
PSC-124037

Tgt Ion:188 Resp: 247000
Ion Ratio Lower Upper
188 100
94 7.7 7.0 10.4
80 8.2 7.9 11.9

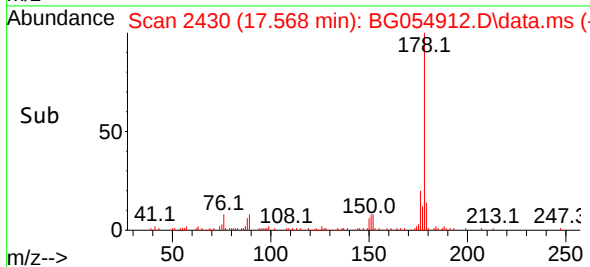
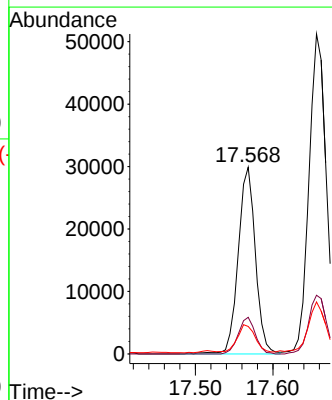
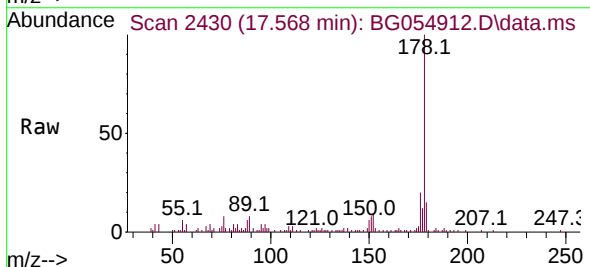
Manual Integrations
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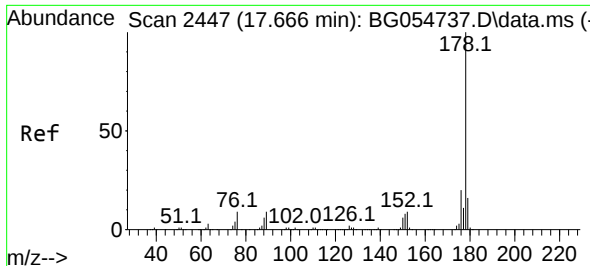
Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022



#71
Phenanthrene
Concen: 3.492 ng
RT: 17.568 min Scan# 2430
Delta R.T. -0.002 min
Lab File: BG054912.D
Acq: 12 Sep 2022 18:55

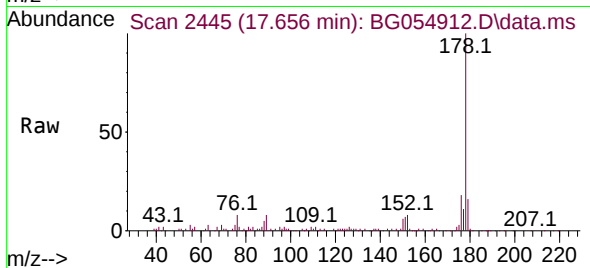
Tgt Ion:178 Resp: 45942
Ion Ratio Lower Upper
178 100
176 19.6 16.6 25.0
179 14.7 12.8 19.2





#72
 Anthracene
 Concen: 6.192 ng
 RT: 17.656 min Scan# 2445
 Delta R.T. -0.008 min
 Lab File: BG054912.D
 Acq: 12 Sep 2022 18:55

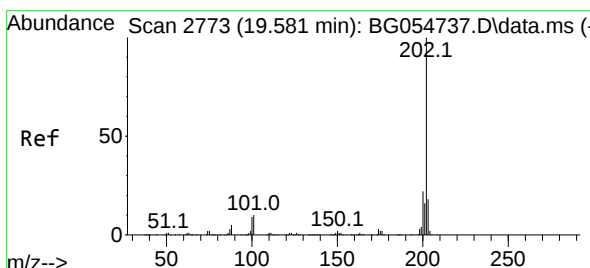
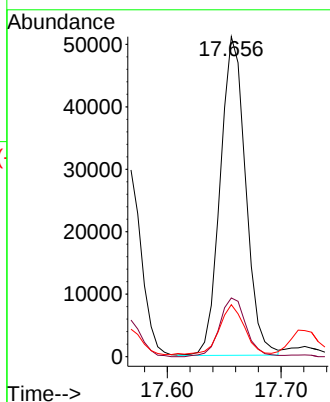
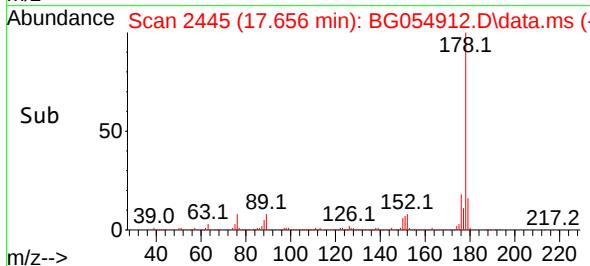
Instrument :
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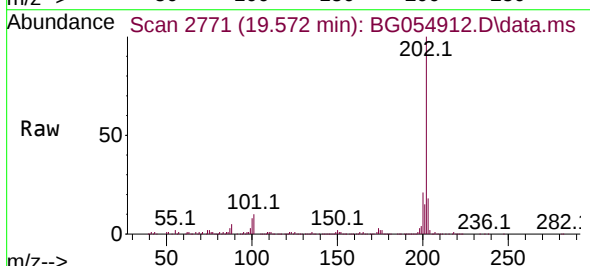
Tgt Ion:178 Resp: 79212
 Ion Ratio Lower Upper
 178 100
 176 18.3 16.2 24.4
 179 16.2 12.9 19.3

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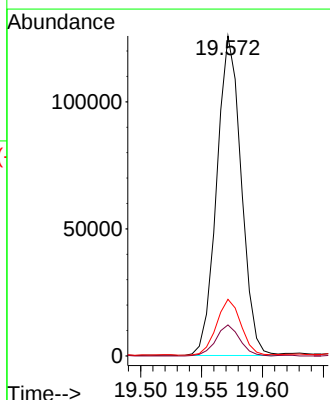
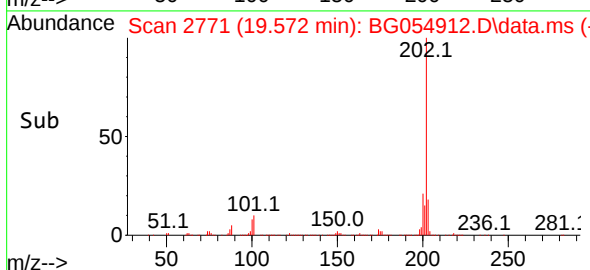
Reviewed By :Christian Giraldo 09/13/2022
 Supervised By :Jagrut Upadhyay 09/13/2022

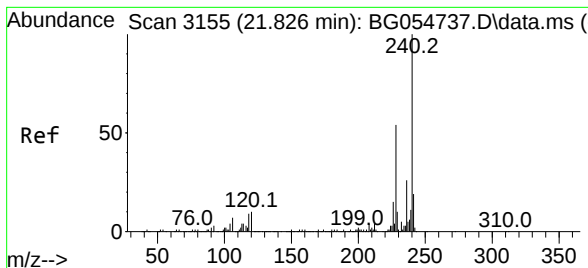


#75
 Fluoranthene
 Concen: 10.969 ng
 RT: 19.572 min Scan# 2771
 Delta R.T. -0.008 min
 Lab File: BG054912.D
 Acq: 12 Sep 2022 18:55



Tgt Ion:202 Resp: 175574
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 31.4
 203 17.7 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.816 min Scan# 3155

Delta R.T. -0.008 min

Lab File: BG054912.D

Acq: 12 Sep 2022 18:55

Instrument :

BNA_G

ClientSampleId :

PSC-124037

Tgt Ion:240 Resp: 255236

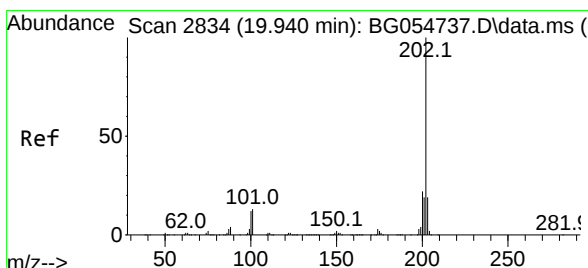
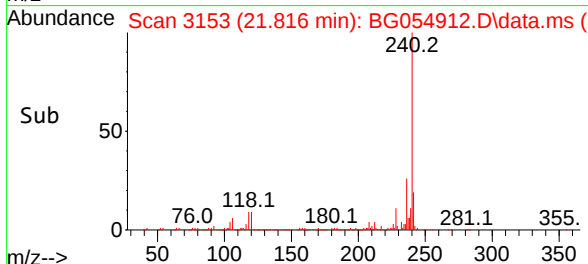
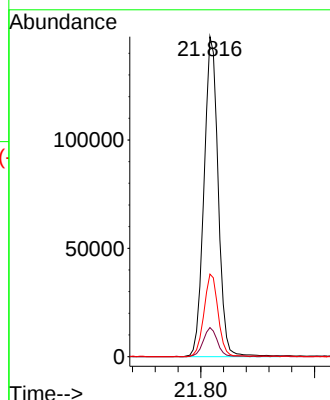
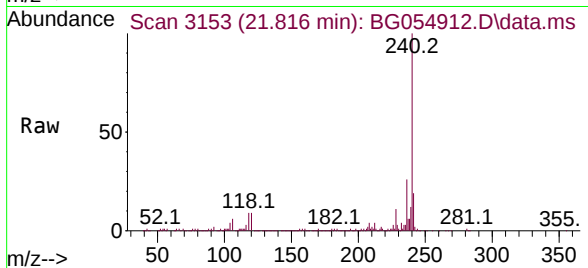
Ion	Ratio	Lower	Upper
240	100		
120	9.1	8.2	12.4
236	25.8	21.2	31.8

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Supervised By :Jagrut Upadhyay 09/13/2022



#78

Pyrene

Concen: 10.836 ng

RT: 19.936 min Scan# 2833

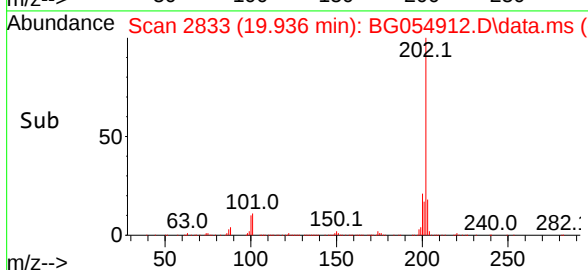
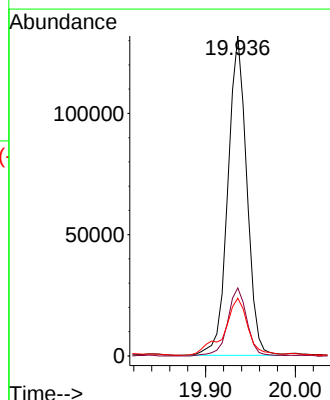
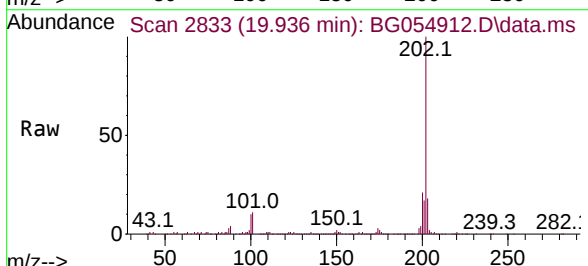
Delta R.T. -0.002 min

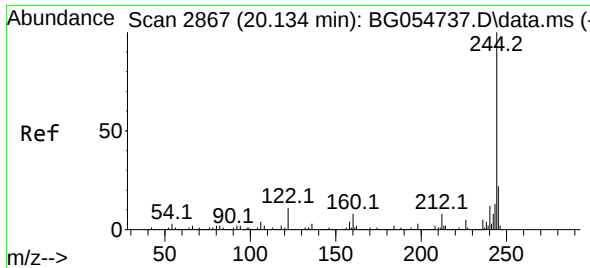
Lab File: BG054912.D

Acq: 12 Sep 2022 18:55

Tgt Ion:202 Resp: 192860

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.8	26.6
203	18.0	14.6	21.8





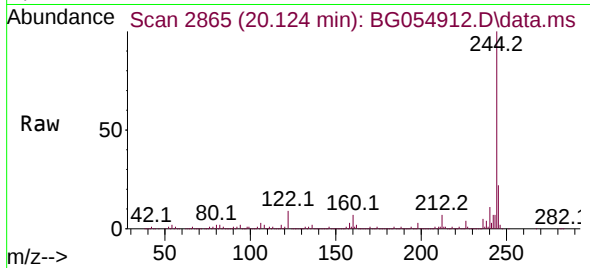
#79
 Terphenyl-d14
 Concen: 65.260 ng
 RT: 20.124 min Scan# 2865
 Delta R.T. -0.002 min
 Lab File: BG054912.D
 Acq: 12 Sep 2022 18:55

Instrument :

BNA_G

ClientSampleId :

PSC-124037

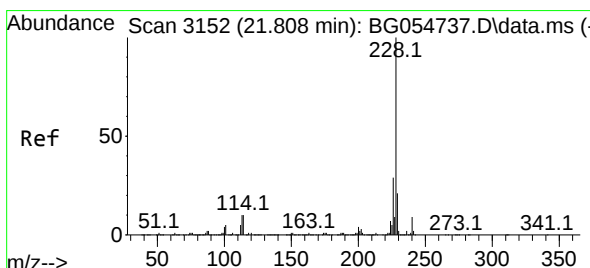
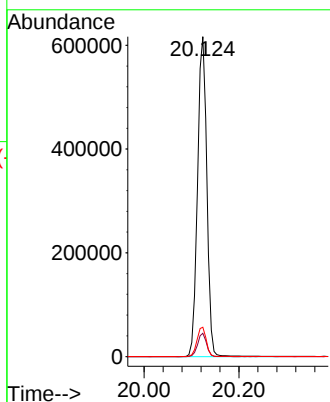
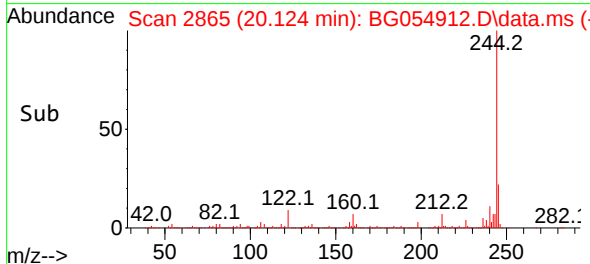


Tgt Ion:244 Resp: 840656
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.2
 122 9.2 9.0 13.6

Manual Integrations

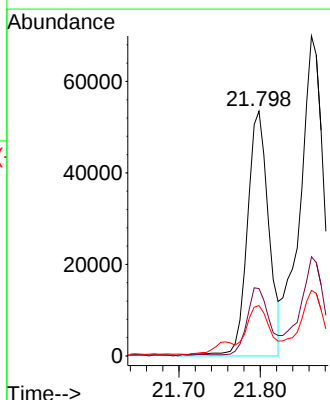
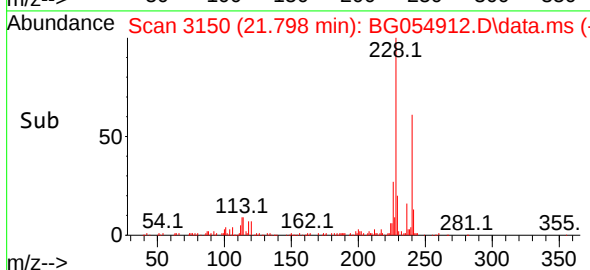
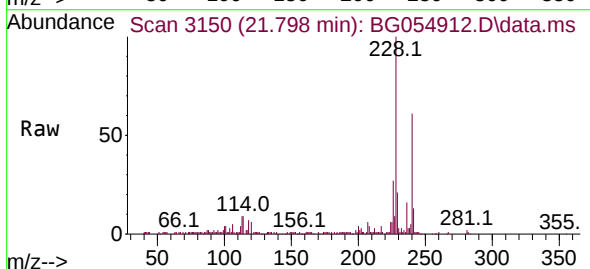
APPROVED

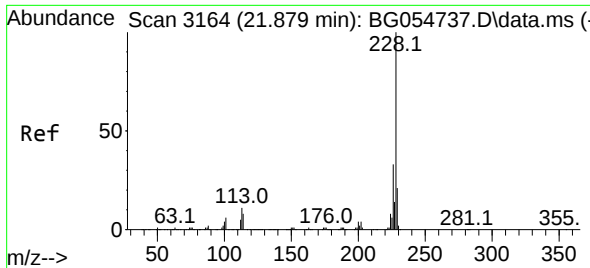
Reviewed By :Christian Giraldo 09/13/2022
 Supervised By :Jagrut Upadhyay 09/13/2022



#81
 Benzo(a)anthracene
 Concen: 5.635 ng
 RT: 21.798 min Scan# 3150
 Delta R.T. -0.008 min
 Lab File: BG054912.D
 Acq: 12 Sep 2022 18:55

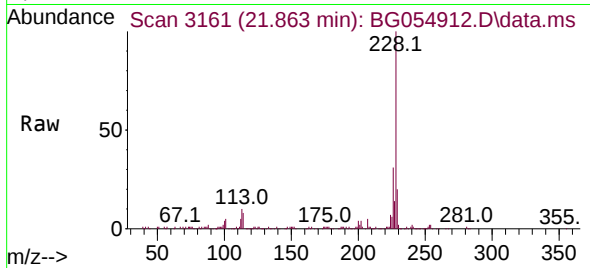
Tgt Ion:228 Resp: 97519
 Ion Ratio Lower Upper
 228 100
 226 27.5 23.4 35.2
 229 20.5 16.5 24.7





#83
Chrysene
Concen: 8.412 ng m
RT: 21.863 min Scan# 3161
Delta R.T. -0.008 min
Lab File: BG054912.D
Acq: 12 Sep 2022 18:55

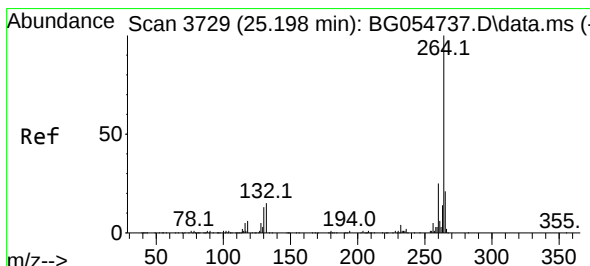
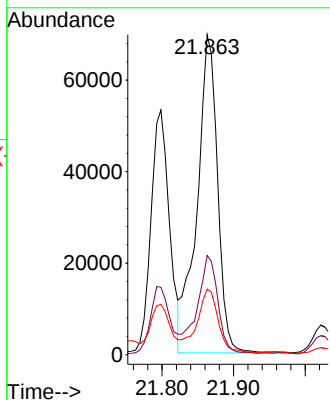
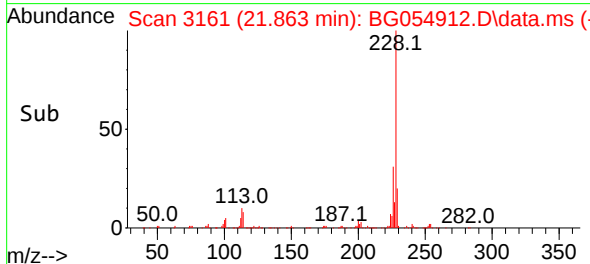
Instrument :
BNA_G
ClientSampleId :
PSC-124037



Tgt Ion:228 Resp: 139186
Ion Ratio Lower Upper
228 100
226 31.0 25.5 38.3
229 20.5 16.8 25.2

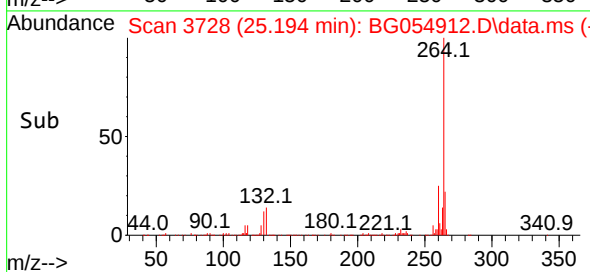
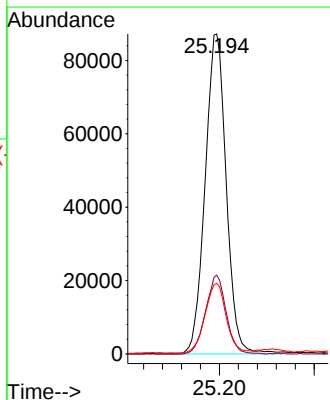
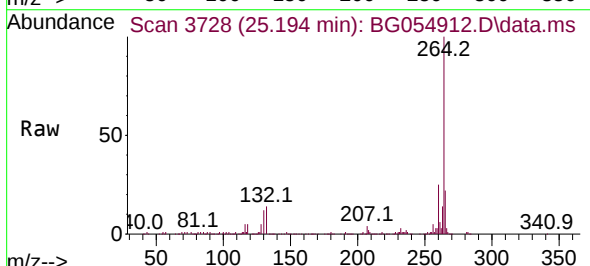
Manual Integrations
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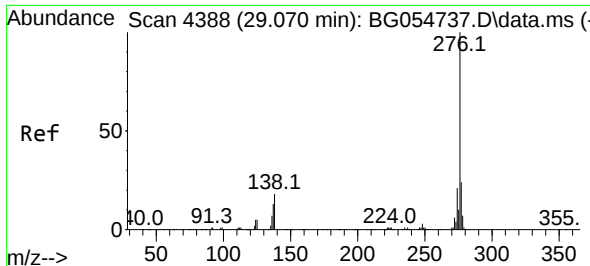
Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.194 min Scan# 3728
Delta R.T. -0.008 min
Lab File: BG054912.D
Acq: 12 Sep 2022 18:55

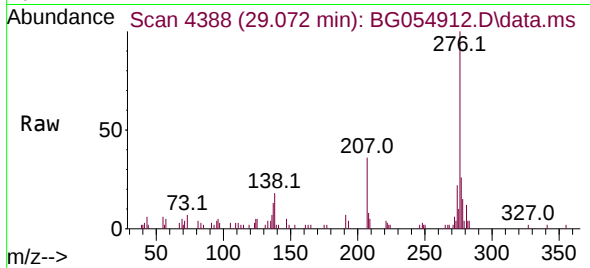
Tgt Ion:264 Resp: 269309
Ion Ratio Lower Upper
264 100
260 24.6 19.9 29.9
265 22.0 16.9 25.3





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.317 ng
 RT: 29.072 min Scan# 4388
 Delta R.T. -0.037 min
 Lab File: BG054912.D
 Acq: 12 Sep 2022 18:55

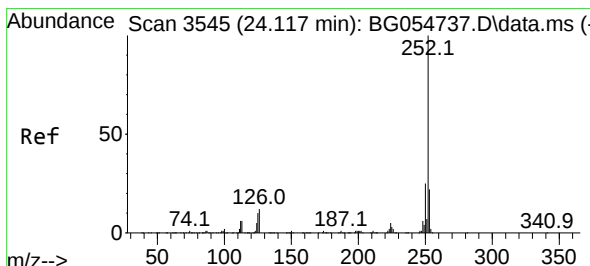
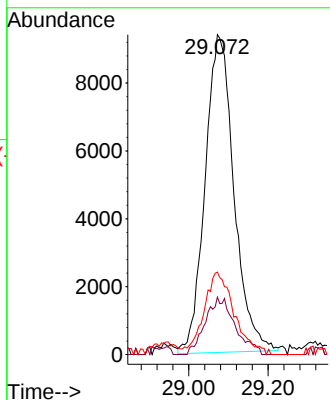
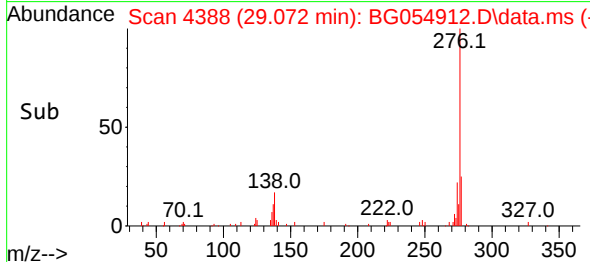
Instrument :
 BNA_G
 ClientSampleId :
 PSC-124037



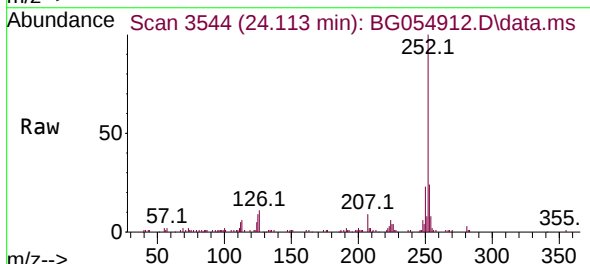
Tgt Ion: 276 Resp: 47373
 Ion Ratio Lower Upper
 276 100
 138 18.5 12.0 18.0
 277 27.3 20.2 30.4

Manual Integrations
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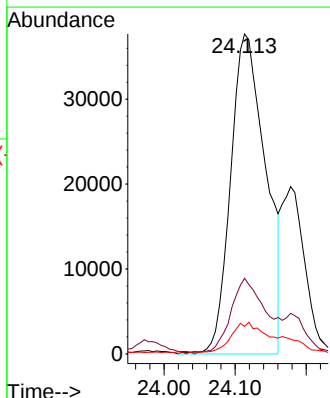
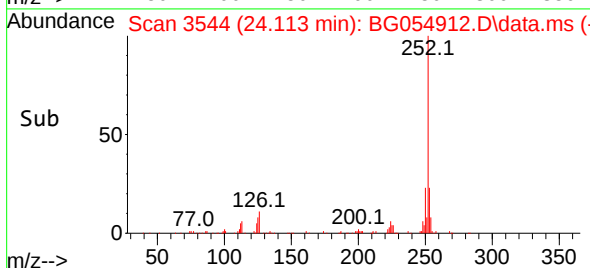
Reviewed By : Christian Giraldo 09/13/2022
 Supervised By : Jagrut Upadhyay 09/13/2022

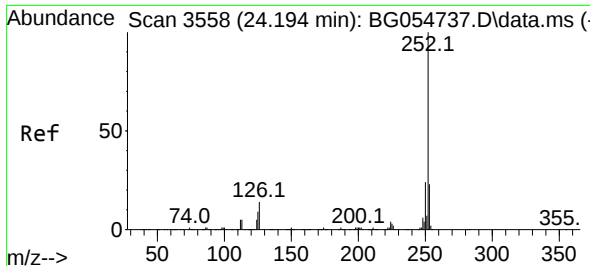


#88
 Benzo(b)fluoranthene
 Concen: 7.636 ng
 RT: 24.113 min Scan# 3544
 Delta R.T. -0.008 min
 Lab File: BG054912.D
 Acq: 12 Sep 2022 18:55



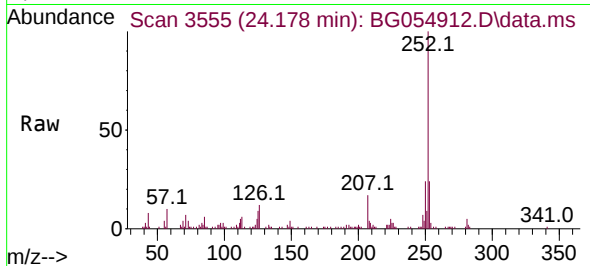
Tgt Ion: 252 Resp: 129005
 Ion Ratio Lower Upper
 252 100
 253 23.6 18.0 27.0
 125 8.6 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 2.618 ng m
RT: 24.178 min Scan# 3558
Delta R.T. -0.014 min
Lab File: BG054912.D
Acq: 12 Sep 2022 18:55

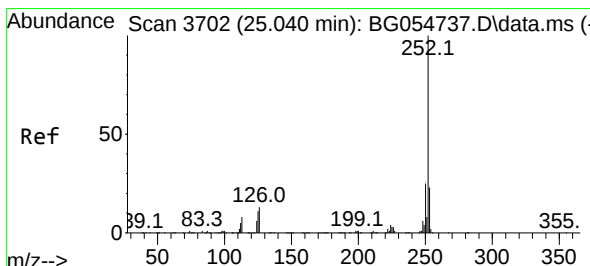
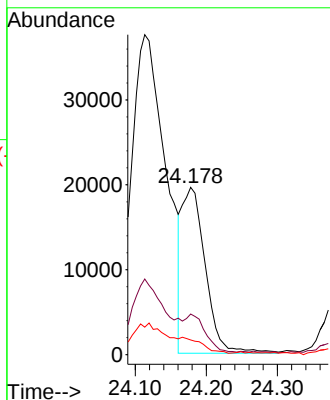
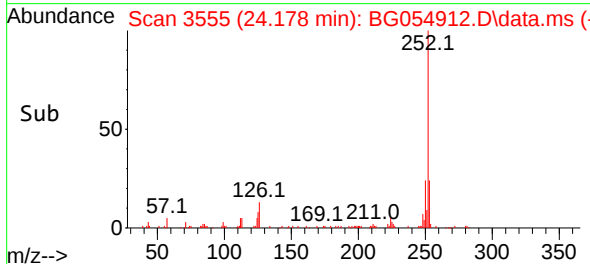
Instrument :
BNA_G
ClientSampleId :
PSC-124037



Tgt Ion:252 Resp: 44513
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.8
125 8.8 8.2 12.4

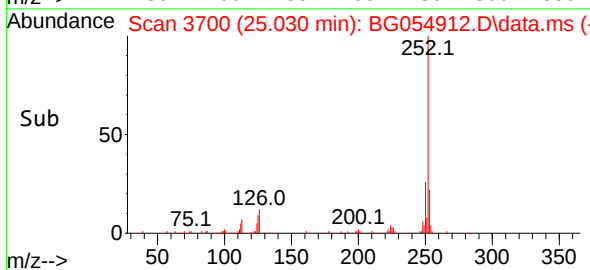
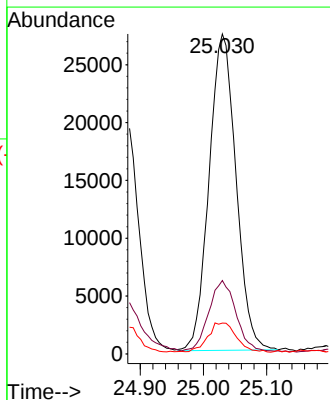
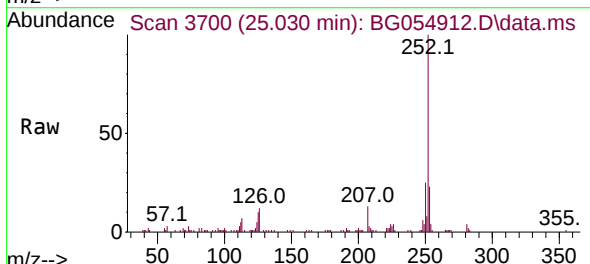
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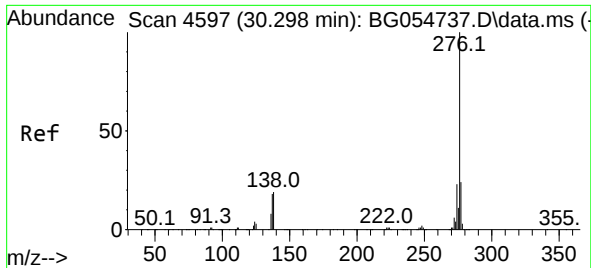
Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022



#90
Benzo(a)pyrene
Concen: 5.613 ng
RT: 25.030 min Scan# 3700
Delta R.T. -0.020 min
Lab File: BG054912.D
Acq: 12 Sep 2022 18:55

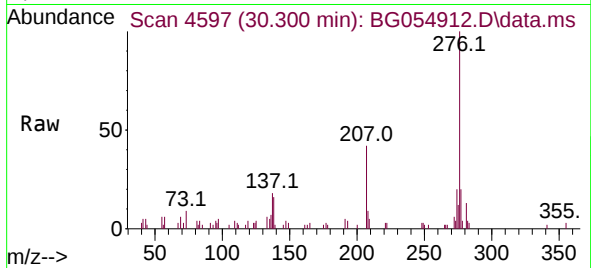
Tgt Ion:252 Resp: 81014
Ion Ratio Lower Upper
252 100
253 22.9 18.3 27.5
125 9.6 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 2.508 ng
 RT: 30.300 min Scan# 4597
 Delta R.T. -0.026 min
 Lab File: BG054912.D
 Acq: 12 Sep 2022 18:55

Instrument :
 BNA_G
 ClientSampleId :
 PSC-124037



Tgt Ion:	276	Resp:	42200
Ion Ratio	Lower	Upper	
276	100		
277	20.1	19.4	29.0
138	15.9	16.6	25.0

Manual Integrations
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Reviewed By :Christian Giraldo 09/13/2022
 Supervised By :Jagrut Upadhyay 09/13/2022

