

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052322\
 Data File : BG053674.D
 Acq On : 23 May 2022 21:28
 Operator : CG/JU
 Sample : N2982-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-6

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/24/2022
 Supervised By : Jagrut Upadhyay 05/24/2022

Quant Time: May 24 05:10:33 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 24 05:05:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.052	152	25121	20.000	ng	0.00
21) Naphthalene-d8	10.872	136	104825	20.000	ng	0.00
39) Acenaphthene-d10	14.690	164	83529	20.000	ng	0.00
64) Phenanthrene-d10	17.433	188	198682	20.000	ng	0.00
76) Chrysene-d12	21.710	240	188438	20.000	ng	0.00
86) Perylene-d12	24.970	264	190152	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.632	112	144442	97.583	ng	0.00
7) Phenol-d6	7.230	99	219051	97.511	ng	0.00
23) Nitrobenzene-d5	9.221	82	150962	61.304	ng	0.00
42) 2,4,6-Tribromophenol	16.176	330	113835	92.402	ng	0.00
45) 2-Fluorobiphenyl	13.310	172	336324	58.837	ng	0.00
79) Terphenyl-d14	20.036	244	595545	58.862	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	19.484	202	68116	5.207	ng	97
78) Pyrene	19.848	202	95344	7.816	ng	99
81) Benzo(a)anthracene	21.687	228	51852	4.314	ng	97
83) Chrysene	21.757	228	42616m	3.796	ng	
88) Benzo(b)fluoranthene	23.936	252	61414	5.456	ng	96
90) Benzo(a)pyrene	24.812	252	56558	5.904	ng	93
92) Benzo(g,h,i)perylene	29.870	276	40350	3.730	ng	98

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

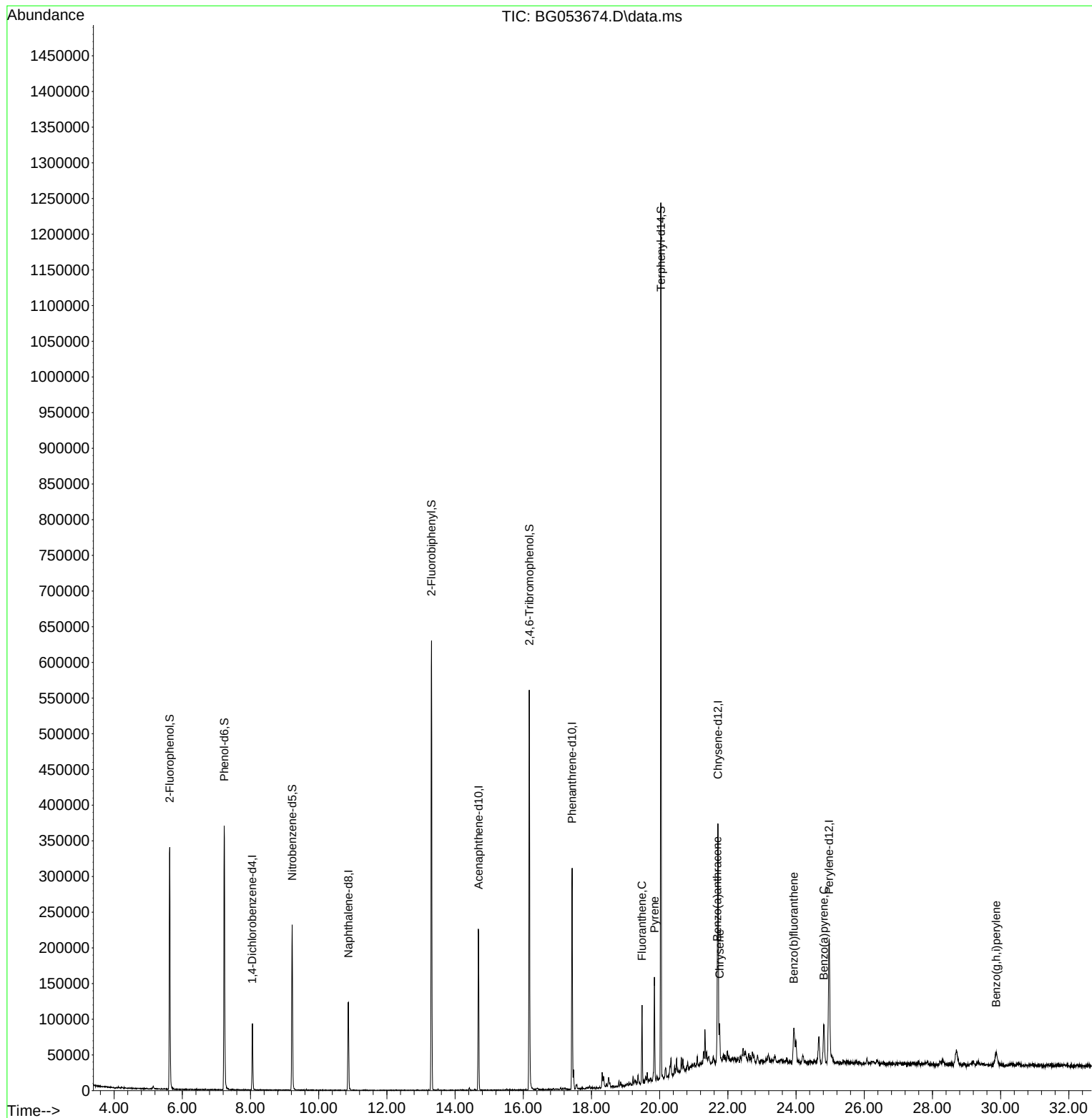
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052322\
Data File : BG053674.D
Acq On : 23 May 2022 21:28
Operator : CG/JU
Sample : N2982-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

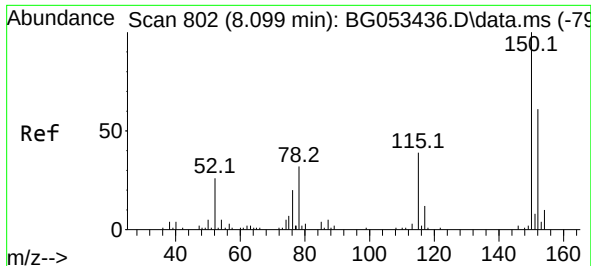
Instrument :
BNA_G
ClientSampleId :
P-6

Quant Time: May 24 05:10:33 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 24 05:05:32 2022
Response via : Initial Calibration

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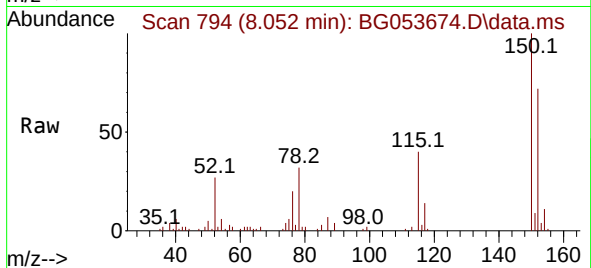
Reviewed By : Christian Giraldo 05/24/2022
Supervised By : Jagrut Upadhyay 05/24/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.052 min Scan# 794
Delta R.T. -0.006 min
Lab File: BG053674.D
Acq: 23 May 2022 21:28

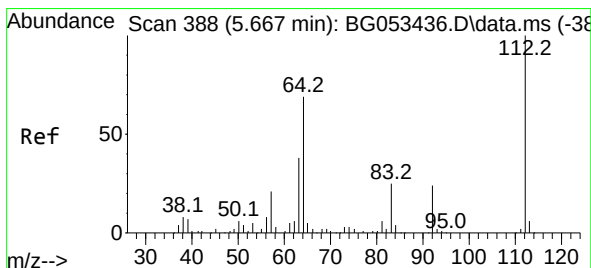
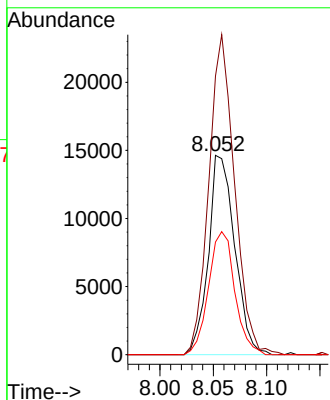
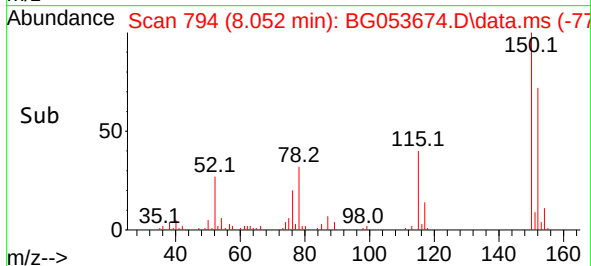
Instrument :
BNA_G
ClientSampleId :
P-6



Tgt Ion:152 Resp: 2512
Ion Ratio Lower Upper
152 100
150 139.8 131.6 197.4
115 56.5 50.9 76.3

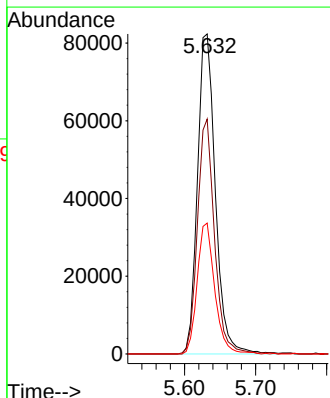
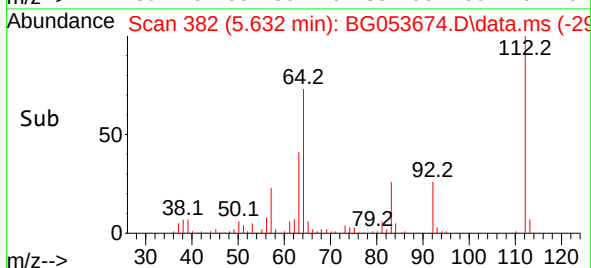
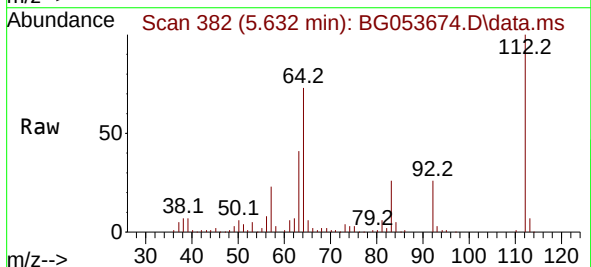
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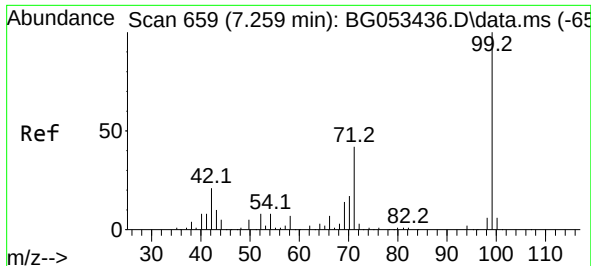
Reviewed By :Christian Giraldo 05/24/2022
Supervised By :Jagrut Upadhyay 05/24/2022



#5
2-Fluorophenol
Concen: 97.583 ng
RT: 5.632 min Scan# 382
Delta R.T. 0.006 min
Lab File: BG053674.D
Acq: 23 May 2022 21:28

Tgt Ion:112 Resp: 144442
Ion Ratio Lower Upper
112 100
64 73.4 55.1 82.7
63 40.9 30.4 45.6





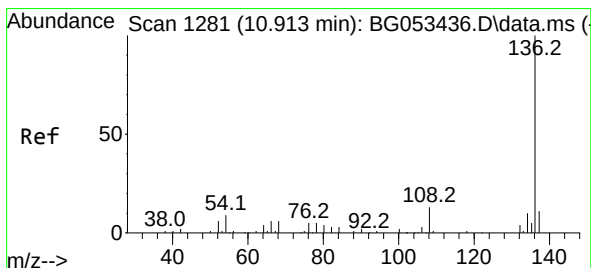
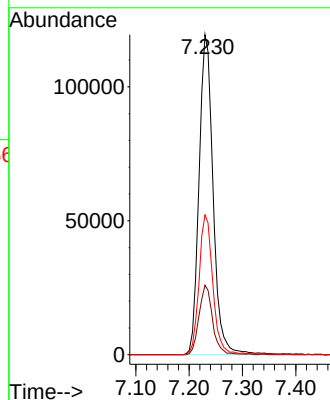
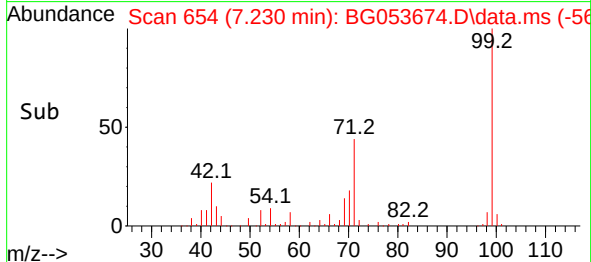
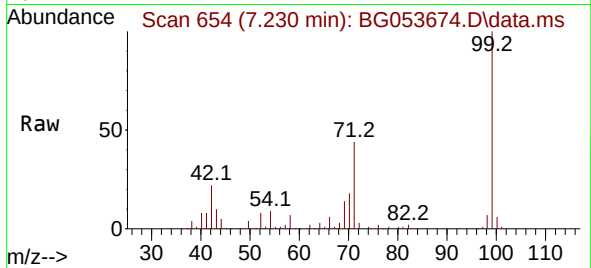
#7
Phenol-d6
Concen: 97.511 ng
RT: 7.230 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG053674.D
Acq: 23 May 2022 21:28

Instrument :
BNA_G
ClientSampleId :
P-6

Tgt Ion: 99 Resp: 21905
Ion Ratio Lower Upper
99 100
42 21.7 17.0 25.6
71 43.7 33.8 50.8

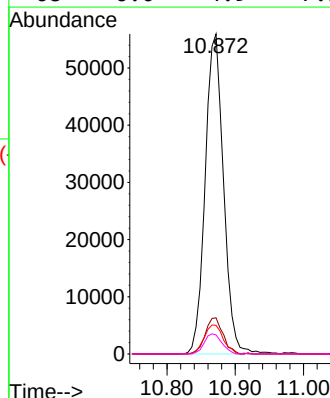
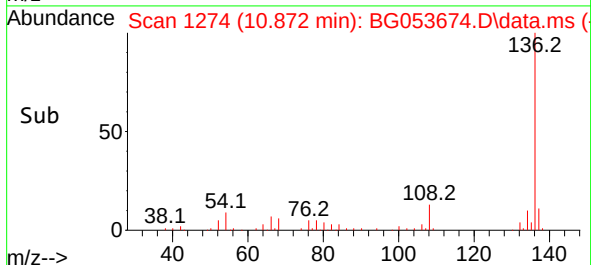
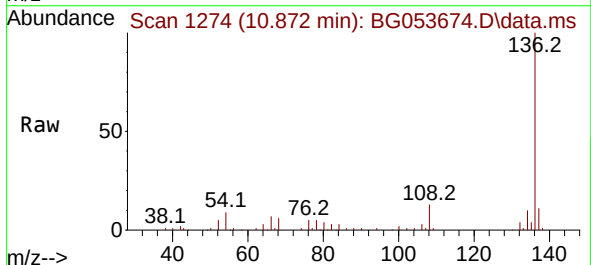
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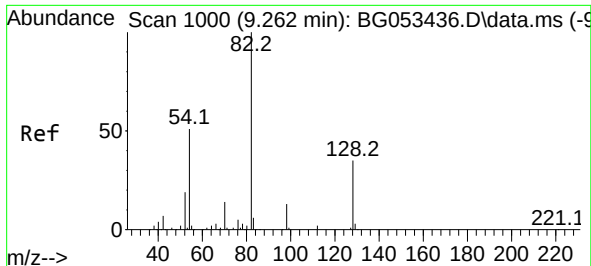
Reviewed By :Christian Giraldo 05/24/2022
Supervised By :Jagrut Upadhyay 05/24/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.872 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BG053674.D
Acq: 23 May 2022 21:28

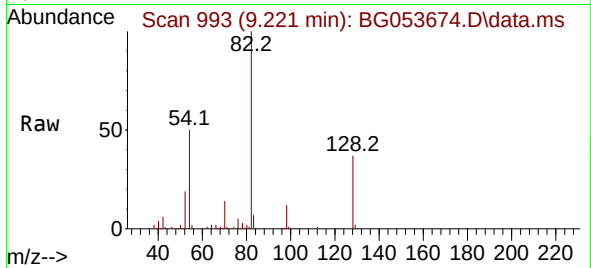
Tgt Ion:136 Resp: 104825
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 9.0 7.4 11.2
68 6.0 4.9 7.3





#23
Nitrobenzene-d5
Concen: 61.304 ng
RT: 9.221 min Scan# 91
Delta R.T. -0.006 min
Lab File: BG053674.D
Acq: 23 May 2022 21:28

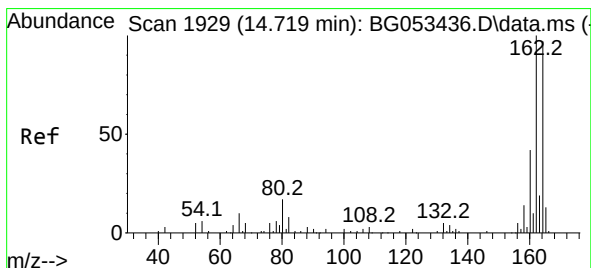
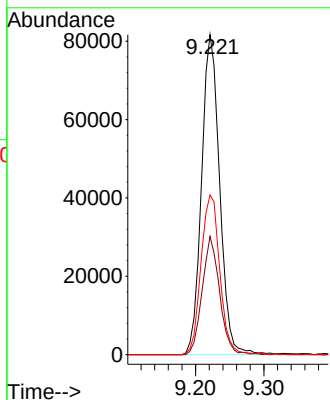
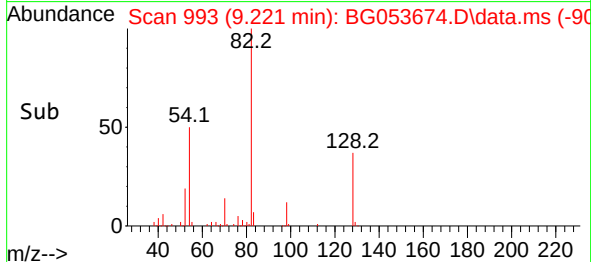
Instrument :
BNA_G
ClientSampleId :
P-6



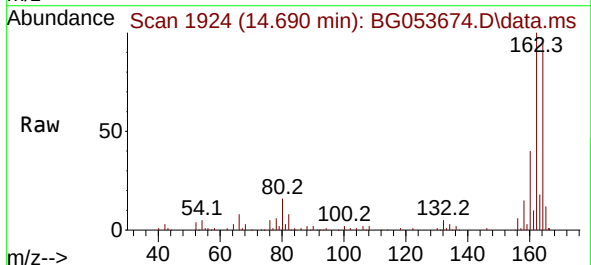
Tgt Ion: 82 Resp: 150962
Ion Ratio Lower Upper
82 100
128 36.9 27.9 41.9
54 49.9 41.2 61.8

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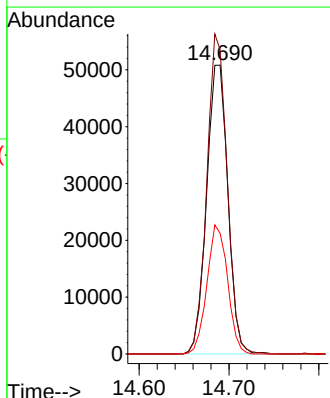
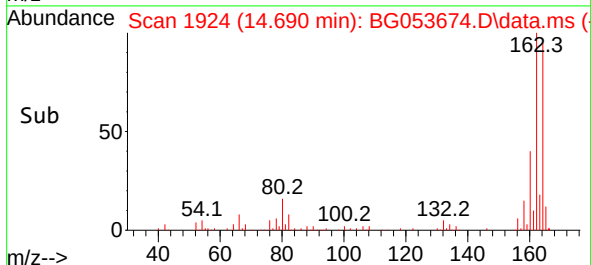
Reviewed By :Christian Giraldo 05/24/2022
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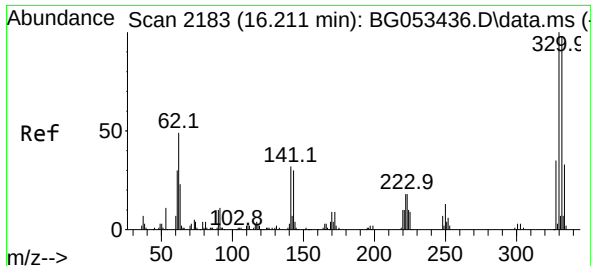


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.690 min Scan# 1924
Delta R.T. 0.000 min
Lab File: BG053674.D
Acq: 23 May 2022 21:28



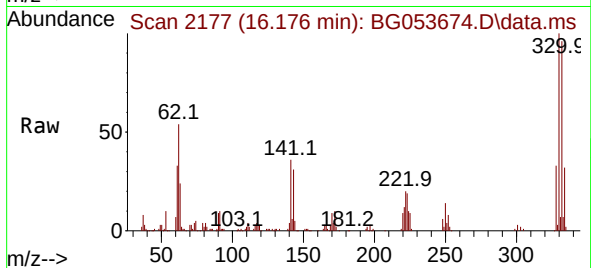
Tgt Ion:164 Resp: 83529
Ion Ratio Lower Upper
164 100
162 105.3 82.3 123.5
160 41.7 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 92.402 ng
RT: 16.176 min Scan# 2183
Delta R.T. -0.006 min
Lab File: BG053674.D
Acq: 23 May 2022 21:28

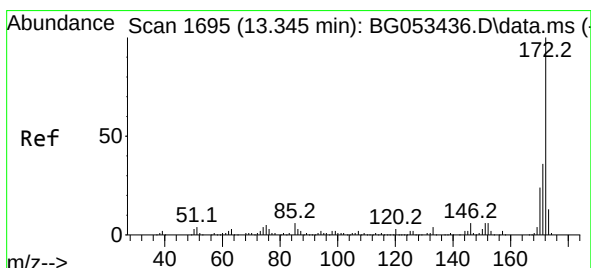
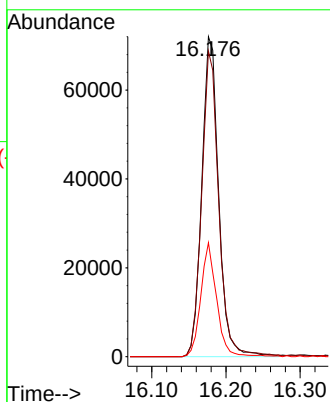
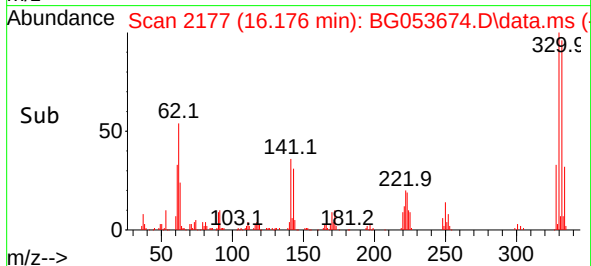
Instrument :
BNA_G
ClientSampleId :
P-6



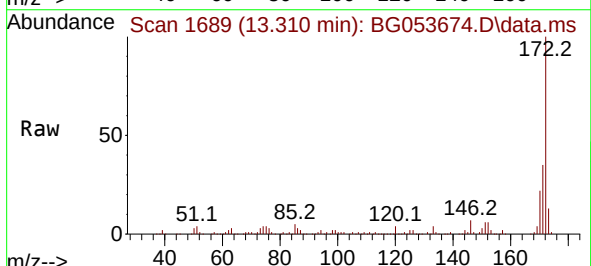
Tgt Ion:330 Resp: 11383
Ion Ratio Lower Upper
330 100
332 96.5 76.0 114.0
141 33.5 27.1 40.7

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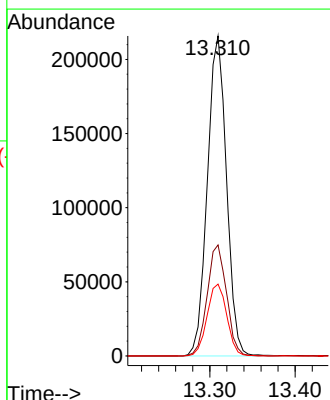
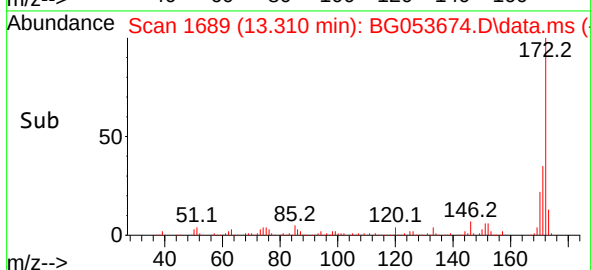
Reviewed By :Christian Giraldo 05/24/2022
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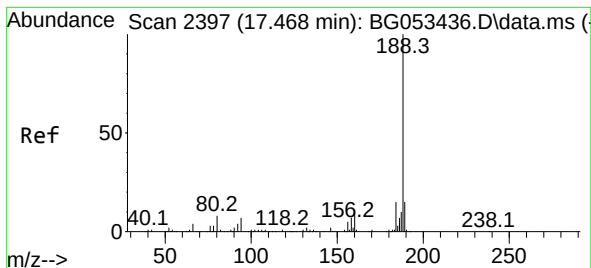


#45
2-Fluorobiphenyl
Concen: 58.837 ng
RT: 13.310 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BG053674.D
Acq: 23 May 2022 21:28



Tgt Ion:172 Resp: 336324
Ion Ratio Lower Upper
172 100
171 34.7 28.5 42.7
170 22.5 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.433 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG053674.D

Acq: 23 May 2022 21:28

Instrument :

BNA_G

ClientSampleId :

P-6

Tgt Ion:188 Resp: 19868

Ion Ratio Lower Upper

188 100

94 6.6 5.4 8.0

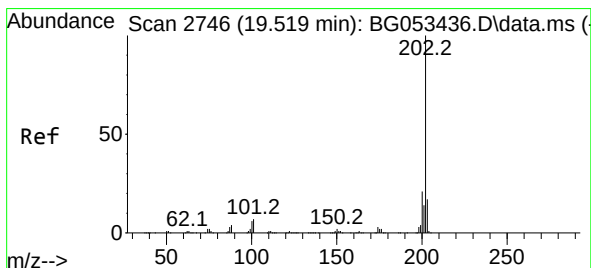
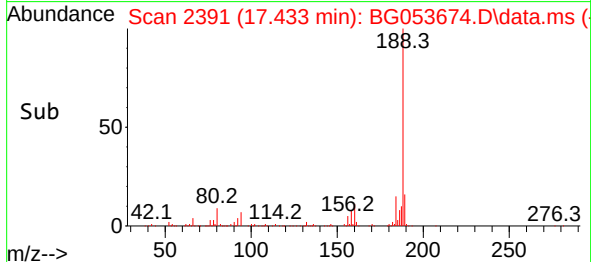
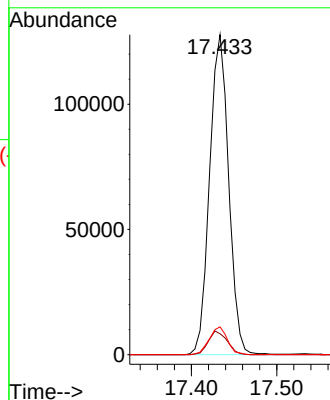
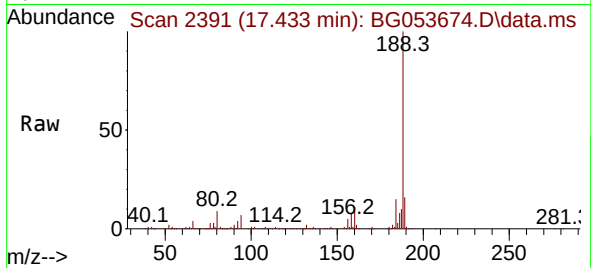
80 8.7 6.8 10.2

Manual Integrations

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Reviewed By :Christian Giraldo 05/24/2022

Supervised By :Jagrut Upadhyay 05/24/2022



#75

Fluoranthene

Concen: 5.207 ng

RT: 19.484 min Scan# 2740

Delta R.T. -0.006 min

Lab File: BG053674.D

Acq: 23 May 2022 21:28

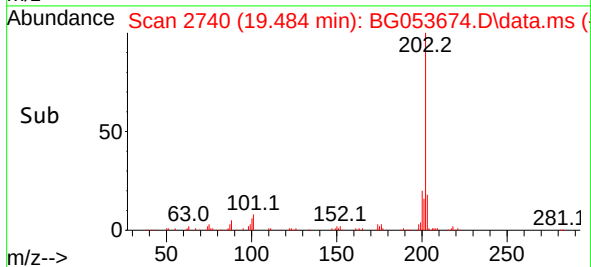
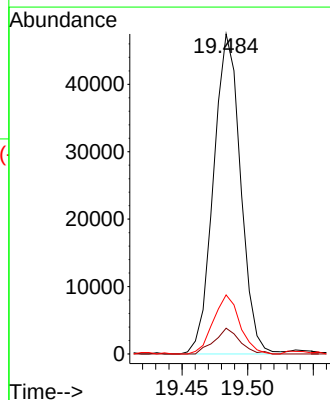
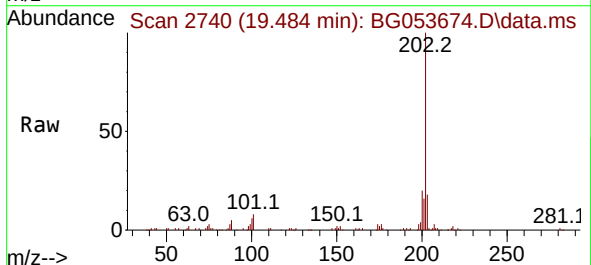
Tgt Ion:202 Resp: 68116

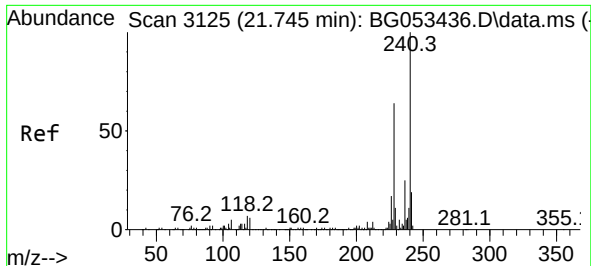
Ion Ratio Lower Upper

202 100

101 8.1 0.0 26.9

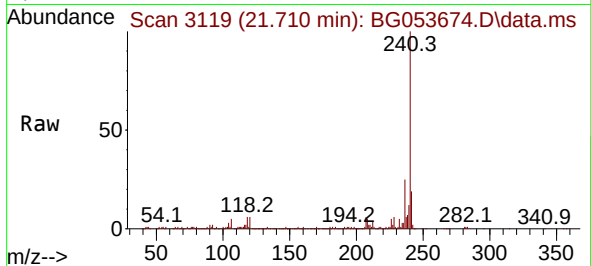
203 18.5 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.710 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BG053674.D
Acq: 23 May 2022 21:28

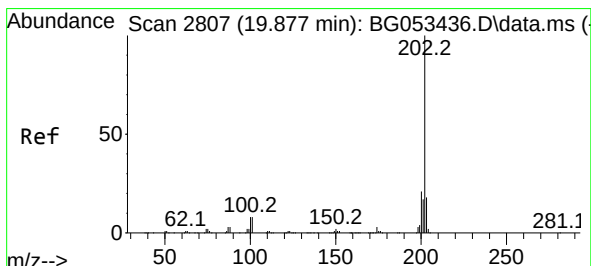
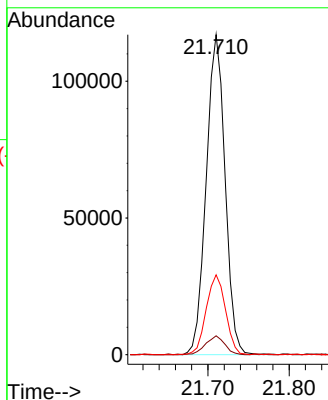
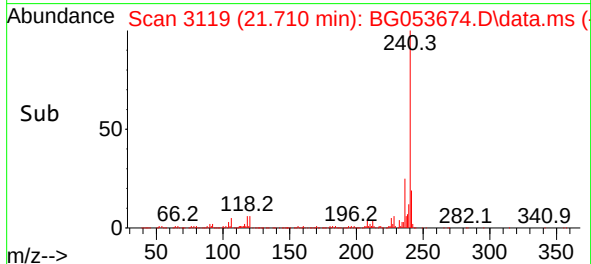
Instrument :
BNA_G
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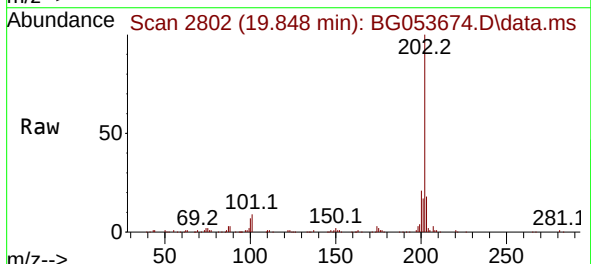
Tgt Ion:240 Resp: 188438
Ion Ratio Lower Upper
240 100
120 5.9 4.6 7.0
236 25.0 20.2 30.4

Manual Integrations
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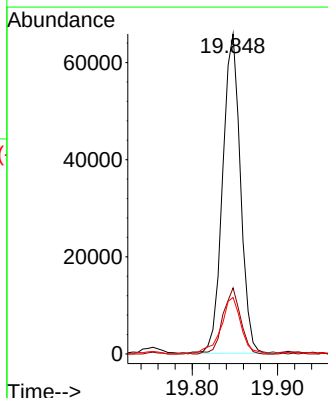
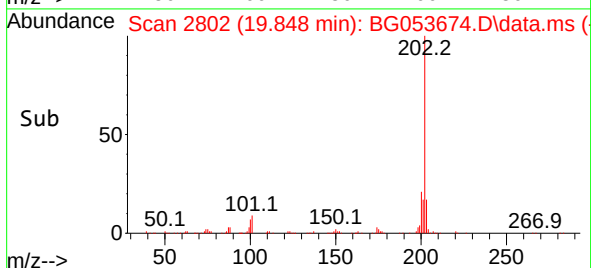
Reviewed By :Christian Giraldo 05/24/2022
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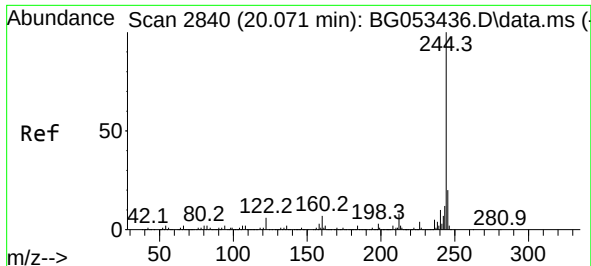


#78
Pyrene
Concen: 7.816 ng
RT: 19.848 min Scan# 2802
Delta R.T. -0.006 min
Lab File: BG053674.D
Acq: 23 May 2022 21:28



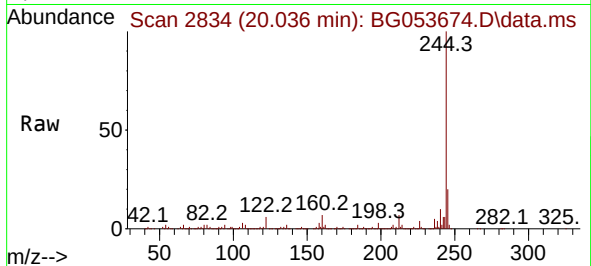
Tgt Ion:202 Resp: 95344
Ion Ratio Lower Upper
202 100
200 20.6 16.6 24.8
203 17.6 14.6 21.8





#79
 Terphenyl-d14
 Concen: 58.862 ng
 RT: 20.036 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG053674.D
 Acq: 23 May 2022 21:28

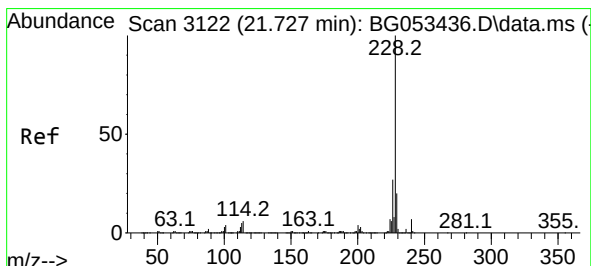
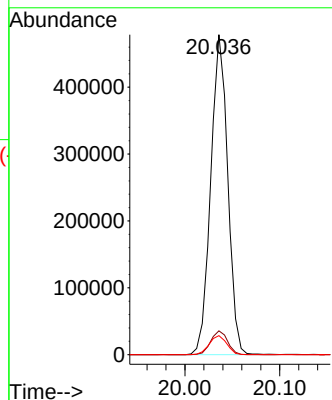
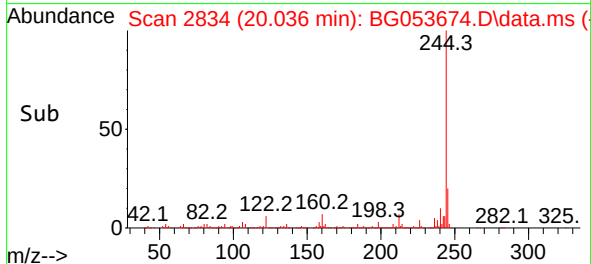
Instrument :
 BNA_G
 ClientSampleId :
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Tgt Ion:244 Resp: 59554
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 6.0 5.0 7.4

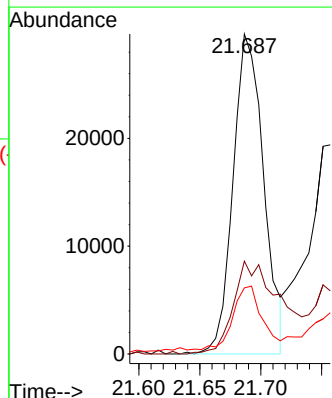
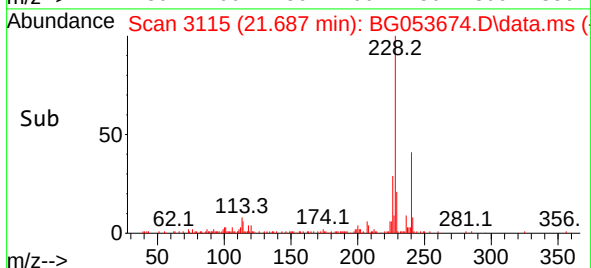
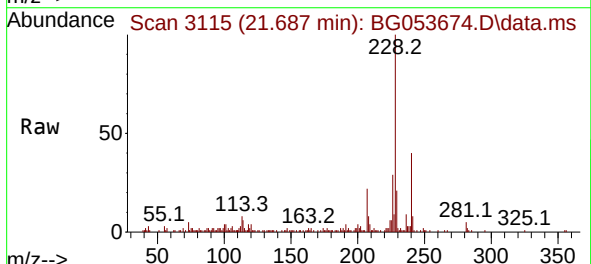
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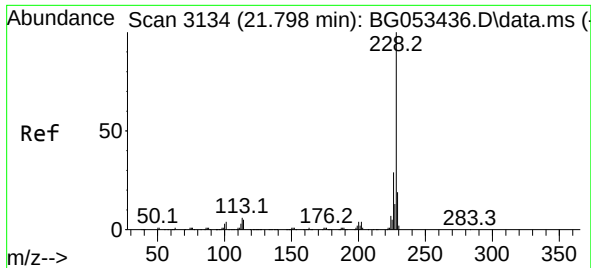
Reviewed By :Christian Giraldo 05/24/2022
 Supervised By :Jagrut Upadhyay 05/24/2022



#81
 Benzo(a)anthracene
 Concen: 4.314 ng
 RT: 21.687 min Scan# 3115
 Delta R.T. -0.012 min
 Lab File: BG053674.D
 Acq: 23 May 2022 21:28

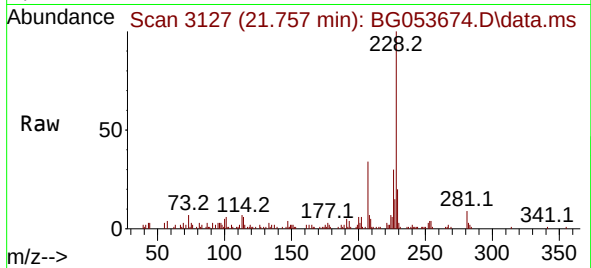
Tgt Ion:228 Resp: 51852
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.6 32.4
 229 20.7 16.2 24.2





#83
Chrysene
Concen: 3.796 ng m
RT: 21.757 min Scan# 3134
Delta R.T. -0.006 min
Lab File: BG053674.D
Acq: 23 May 2022 21:28

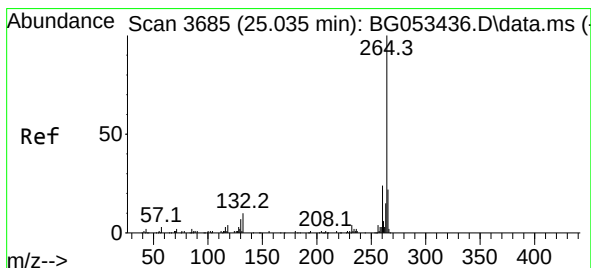
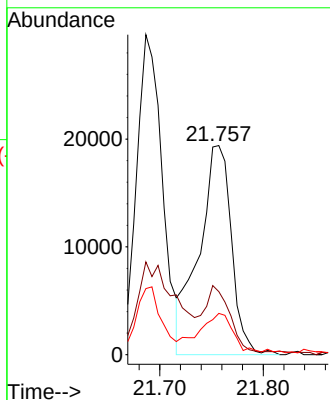
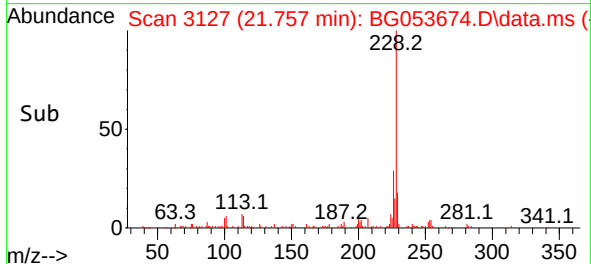
Instrument :
BNA_G
ClientSampleId :
P-6



Tgt Ion:228 Resp: 42610
Ion Ratio Lower Upper
228 100
226 30.1 23.4 35.2
229 19.7 15.5 23.3

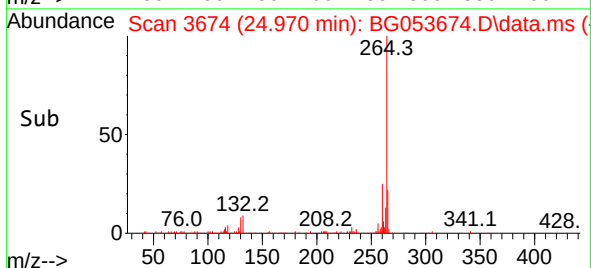
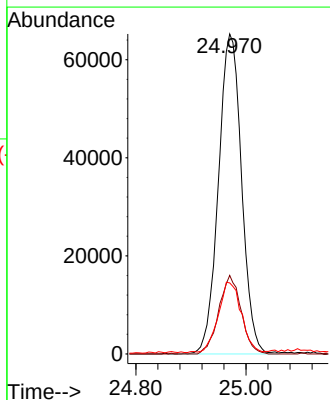
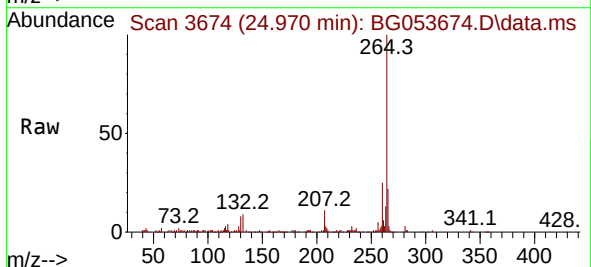
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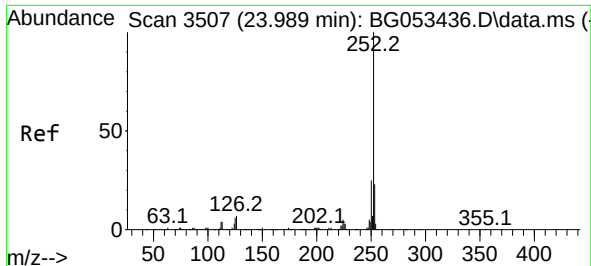
Reviewed By :Christian Giraldo 05/24/2022
Supervised By :Jagrut Upadhyay 05/24/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.970 min Scan# 3674
Delta R.T. -0.012 min
Lab File: BG053674.D
Acq: 23 May 2022 21:28

Tgt Ion:264 Resp: 190152
Ion Ratio Lower Upper
264 100
260 24.5 19.0 28.6
265 22.2 17.4 26.2





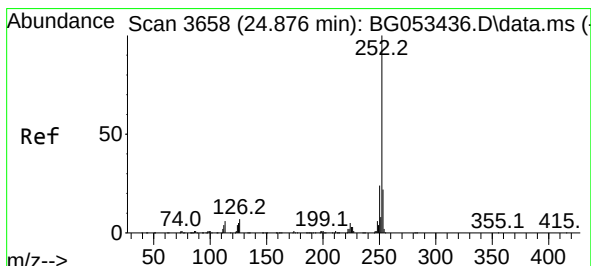
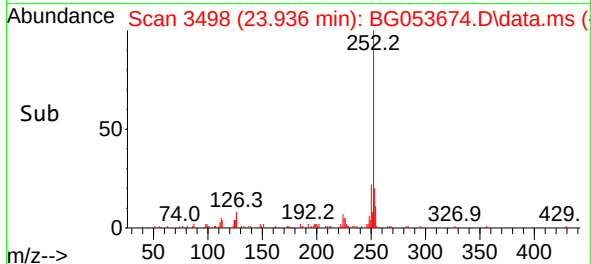
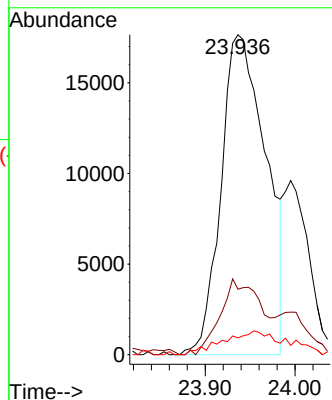
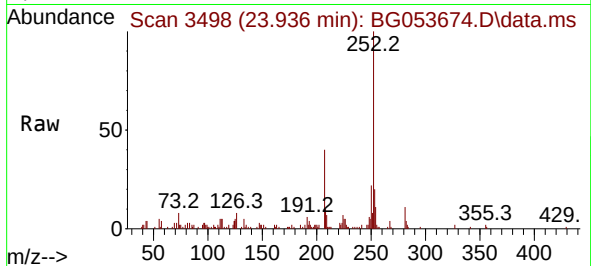
#88
Benzo(b)fluoranthene
Concen: 5.456 ng
RT: 23.936 min Scan# 34
Delta R.T. -0.006 min
Lab File: BG053674.D
Acq: 23 May 2022 21:28

Instrument :
BNA_G
ClientSampleId :
P-6

Tgt Ion:252 Resp: 61414
Ion Ratio Lower Upper
252 100
253 20.4 18.0 27.0
125 5.3 4.6 6.8

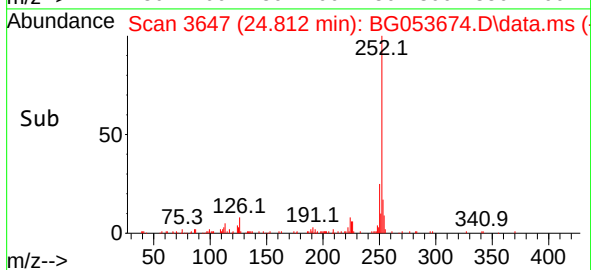
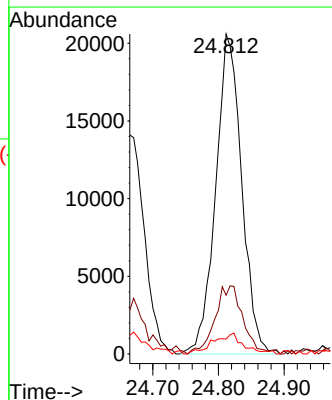
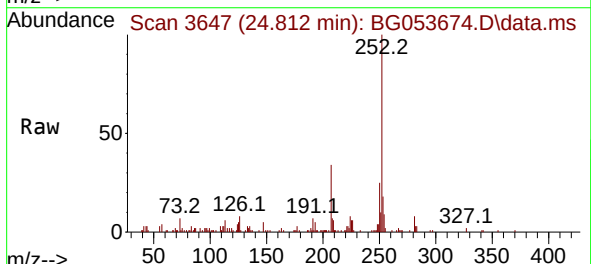
Manual Integrations
APPROVED

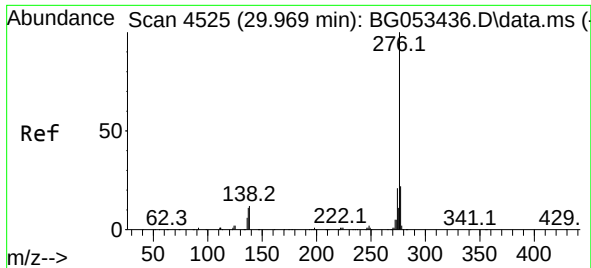
Reviewed By :Christian Giraldo 05/24/2022
Supervised By :Jagrut Upadhyay 05/24/2022



#90
Benzo(a)pyrene
Concen: 5.904 ng
RT: 24.812 min Scan# 3647
Delta R.T. -0.017 min
Lab File: BG053674.D
Acq: 23 May 2022 21:28

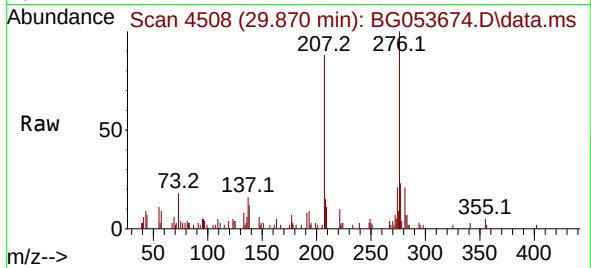
Tgt Ion:252 Resp: 56558
Ion Ratio Lower Upper
252 100
253 18.4 17.8 26.8
125 4.6 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 3.730 ng
 RT: 29.870 min Scan# 4525
 Delta R.T. -0.035 min
 Lab File: BG053674.D
 Acq: 23 May 2022 21:28

Instrument :
 BNA_G
 ClientSampleId :
 P-6



Tgt Ion:	276	Resp:	40350
Ion Ratio	Lower	Upper	
276	100		
277	23.1	17.3	25.9
138	12.2	9.6	14.4

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/24/2022
 Supervised By :Jagrut Upadhyay 05/24/2022

