

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052022\
 Data File : BG053649.D
 Acq On : 20 May 2022 18:25
 Operator : CG/JU
 Sample : N2960-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BIN-4-SP-1

Quant Time: May 23 01:33:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 20 03:55:28 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 05/23/2022
 Supervised By : Jagrut Upadhyay 05/23/2022

Supervised By : Jagrut
 Upadhyay
 05/23/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.069	152	30599	20.000	ng	0.00
21) Naphthalene-d8	10.877	136	121400	20.000	ng	# 0.00
39) Acenaphthene-d10	14.696	164	85178	20.000	ng	0.00
64) Phenanthrene-d10	17.439	188	172858	20.000	ng	#-0.01
76) Chrysene-d12	21.721	240	176029	20.000	ng	#-0.01
86) Perylene-d12	24.993	264	183990	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.637	112	206501	114.533	ng	0.00
7) Phenol-d6	7.235	99	303503	110.917	ng	0.00
23) Nitrobenzene-d5	9.232	82	203811	71.466	ng	0.00
42) 2,4,6-Tribromophenol	16.188	330	112034	89.179	ng	0.00
45) 2-Fluorobiphenyl	13.315	172	399933	68.611	ng	-0.01
79) Terphenyl-d14	20.047	244	599876	63.470	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.924	128	79079	12.806	ng	# 95
37) 2-Methylnaphthalene	12.528	142	73884	16.032	ng	95
38) 1-Methylnaphthalene	12.745	142	62802m	13.967	ng	
50) Dimethylphthalate	14.138	163	18711	2.891	ng	# 91
52) Acenaphthene	14.760	154	17750	4.103	ng	95
58) Fluorene	15.741	166	27929	4.479	ng	93
71) Phenanthrene	17.486	178	116630	13.269	ng	96
72) Anthracene	17.574	178	33301	3.855	ng	98
75) Fluoranthene	19.495	202	162853	14.309	ng	96
78) Pyrene	19.853	202	197486	17.331	ng	99
81) Benzo(a)anthracene	21.704	228	78851	7.023	ng	94
83) Chrysene	21.768	228	79201	7.553	ng	98
87) Indeno(1,2,3-cd)pyrene	28.730	276	72147	5.630	ng	# 77
88) Benzo(b)fluoranthene	23.954	252	126030	11.572	ng	# 98
89) Benzo(k)fluoranthene	24.012	252	34313m	3.206	ng	
90) Benzo(a)pyrene	24.835	252	97743	10.545	ng	# 97
92) Benzo(g,h,i)perylene	29.904	276	72838	6.959	ng	# 89

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

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Data File : BG053649.D
Acq On : 20 May 2022 18:25
Operator : CG/JU
Sample : N2960-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

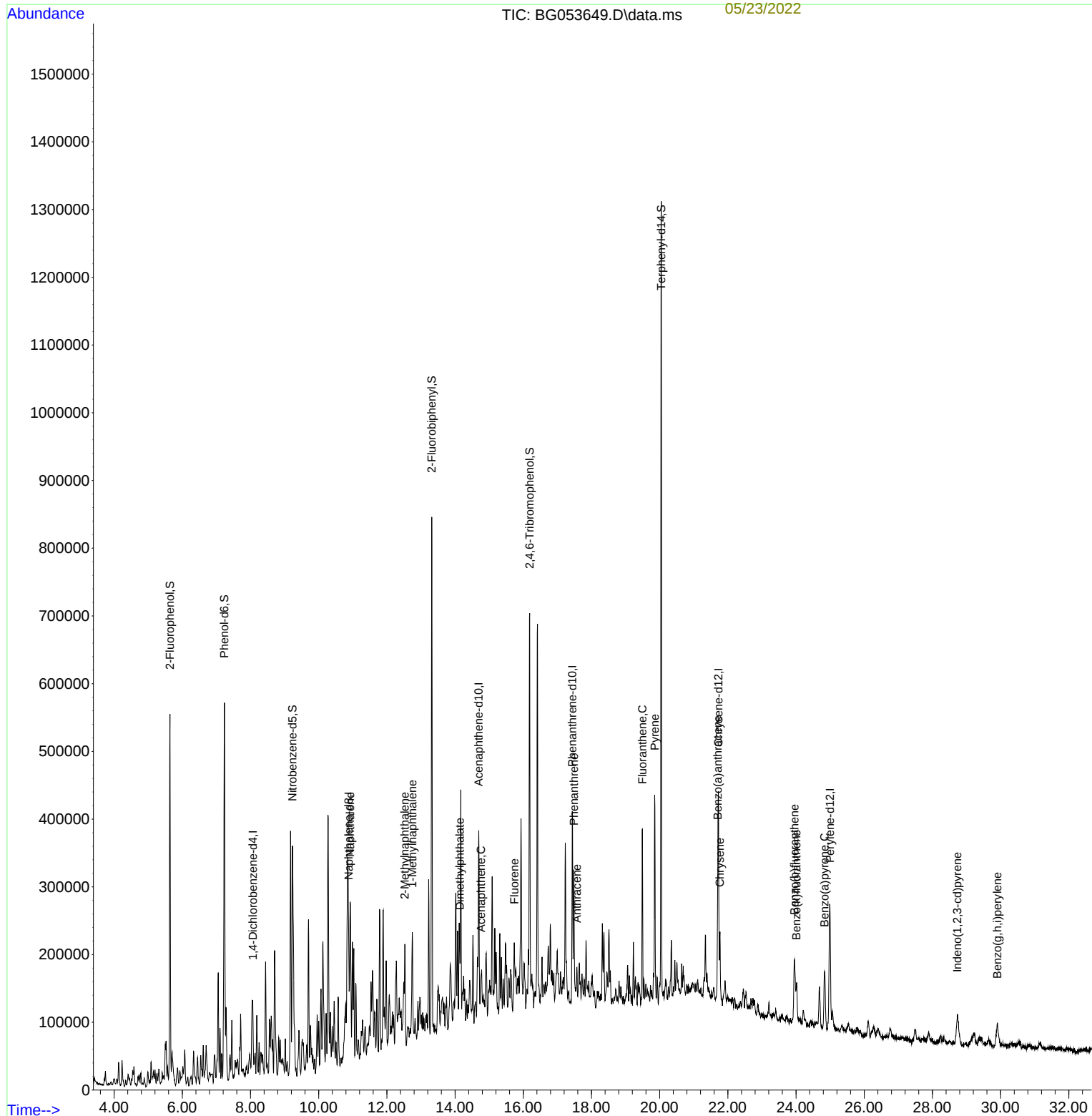
Instrument :
BNA_G
ClientSampleId :
BIN-4-SP-1

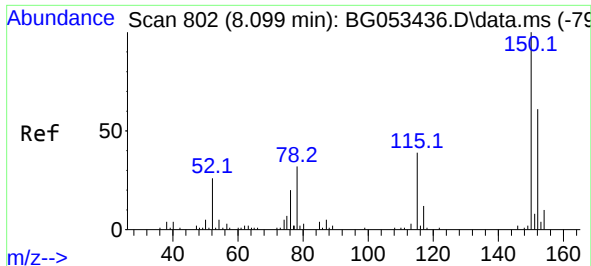
Quant Time: May 23 01:33:37 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
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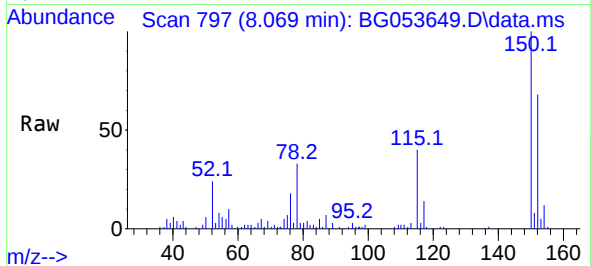
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Upadhyay
05/23/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.069 min Scan# 79
Delta R.T. -0.006 min
Lab File: BG053649.D
Acq: 20 May 2022 18:25

Instrument :
BNA_G
ClientSampleId :
BIN-4-SP-1

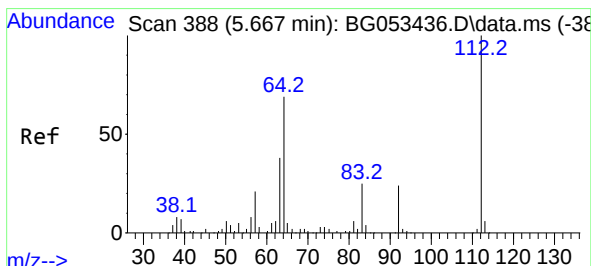
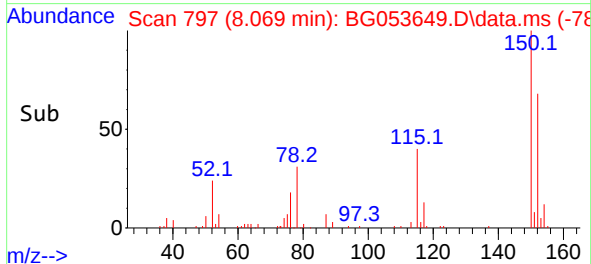
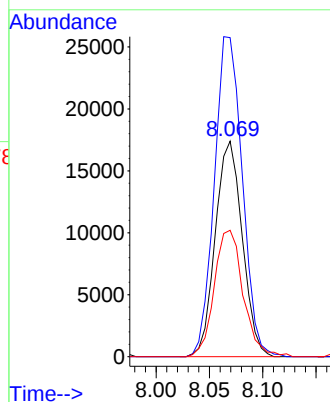


Tgt Ion:152 Resp: 3059
Ion Ratio Lower Upper
152 100
150 148.1 131.6 197.4
115 58.7 50.9 76.3

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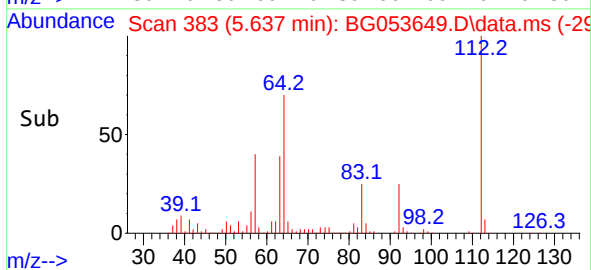
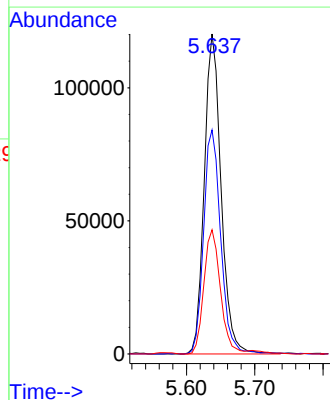
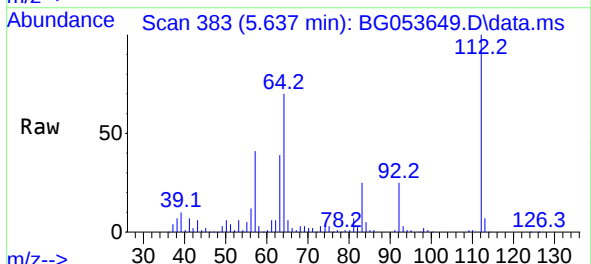
Reviewed By :Christian Giraldo 05/23/2022
Supervised By :Jagrut Upadhyay 05/23/2022

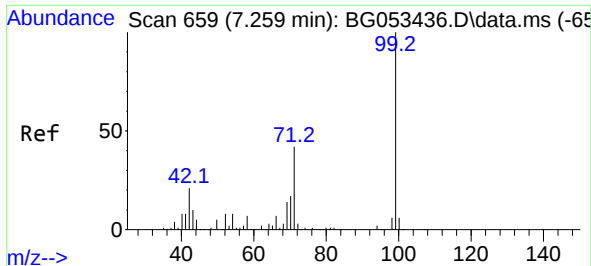
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#5
2-Fluorophenol
Concen: 114.533 ng
RT: 5.637 min Scan# 383
Delta R.T. -0.006 min
Lab File: BG053649.D
Acq: 20 May 2022 18:25

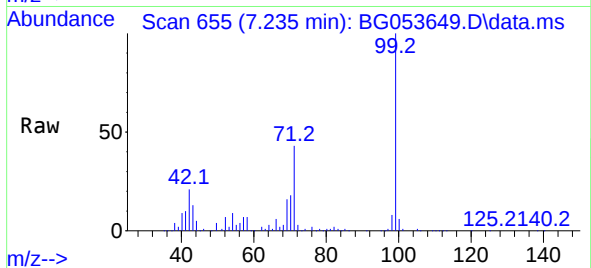
Tgt Ion:112 Resp: 206501
Ion Ratio Lower Upper
112 100
64 70.0 55.1 82.7
63 38.8 30.4 45.6





#7
Phenol-d6
Concen: 110.917 ng
RT: 7.235 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG053649.D
Acq: 20 May 2022 18:25

Instrument :
BNA_G
ClientSampleId :
BIN-4-SP-1

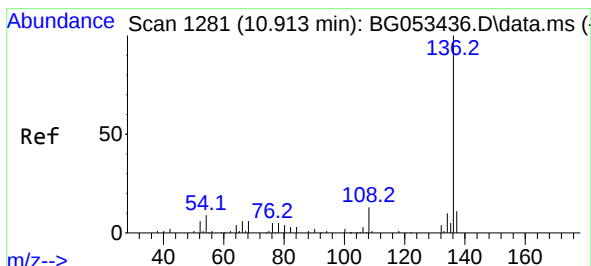
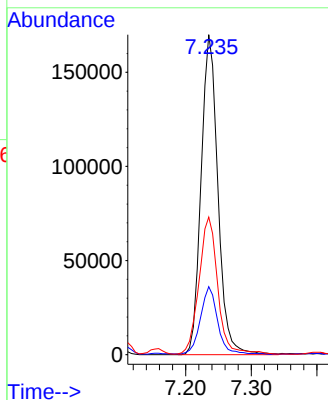
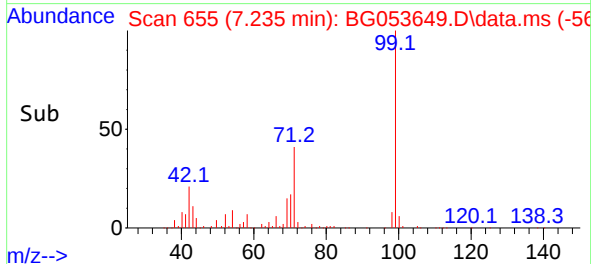


Tgt Ion: 99 Resp: 30350
Ion Ratio Lower Upper
99 100
42 21.3 17.0 25.6
71 43.0 33.8 50.8

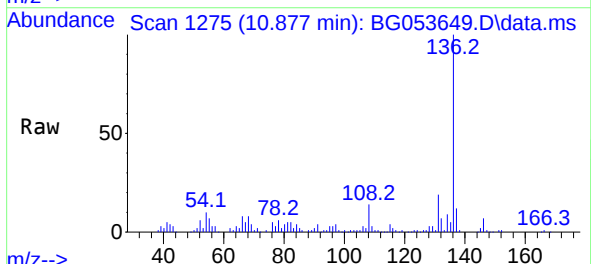
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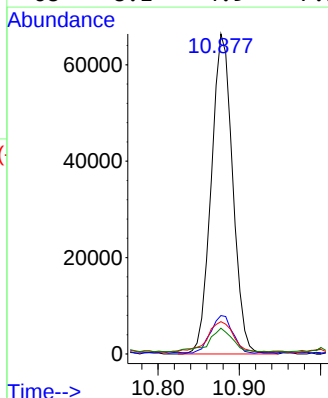
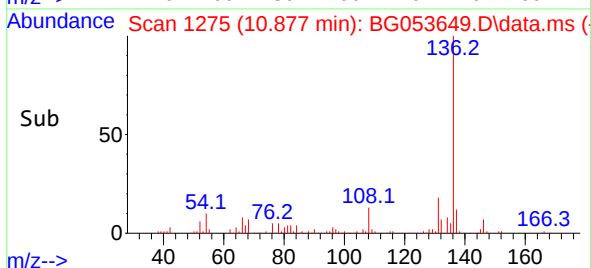
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Upadhyay
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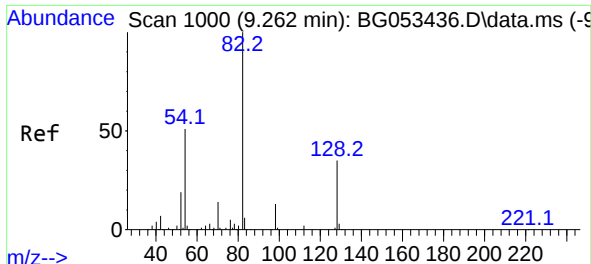


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.877 min Scan# 1275
Delta R.T. -0.006 min
Lab File: BG053649.D
Acq: 20 May 2022 18:25



Tgt Ion:136 Resp: 121400
Ion Ratio Lower Upper
136 100
137 12.0 8.5 12.7
54 10.1 7.4 11.2
68 8.1 4.9 7.3#





#23

Nitrobenzene-d5

Concen: 71.466 ng

RT: 9.232 min Scan# 90

Delta R.T. -0.006 min

Lab File: BG053649.D

Acq: 20 May 2022 18:25

Instrument :

BNA_G

ClientSampleId :

BIN-4-SP-1

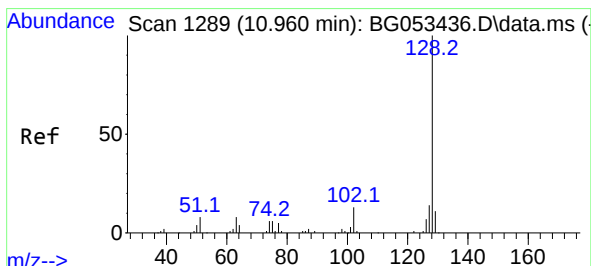
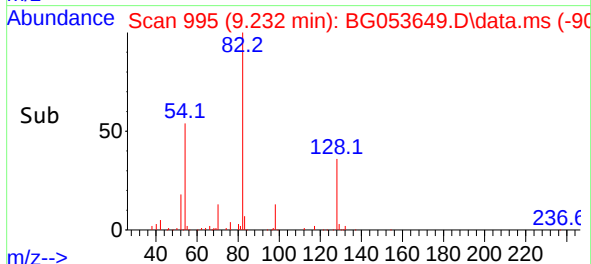
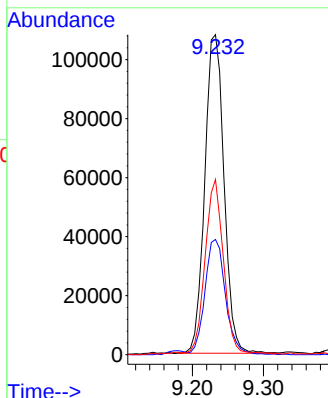
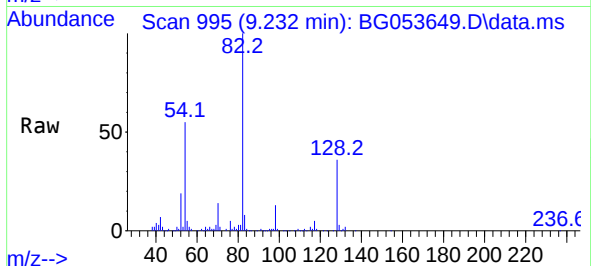
Tgt Ion: 82 Resp: 20381

Ion	Ratio	Lower	Upper
82	100		
128	36.0	27.9	41.9
54	54.7	41.2	61.8

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#31

Naphthalene

Concen: 12.806 ng

RT: 10.924 min Scan# 1283

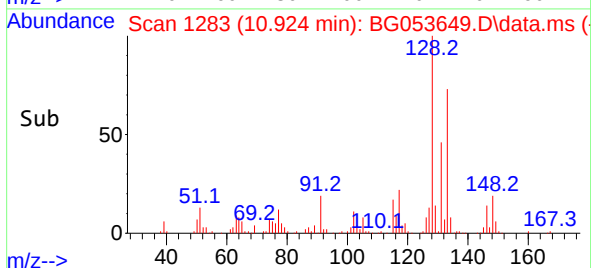
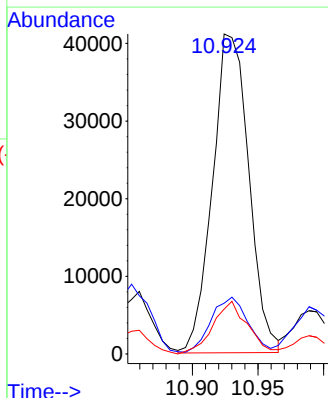
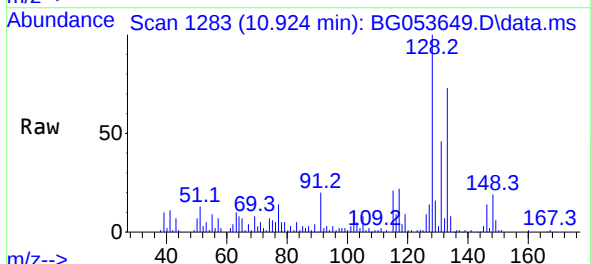
Delta R.T. -0.012 min

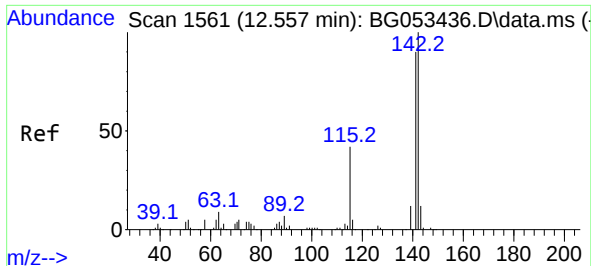
Lab File: BG053649.D

Acq: 20 May 2022 18:25

Tgt Ion:128 Resp: 79079

Ion	Ratio	Lower	Upper
128	100		
129	15.8	9.0	13.6#
127	14.0	11.1	16.7





#37
2-Methylnaphthalene
Concen: 16.032 ng
RT: 12.528 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG053649.D
Acq: 20 May 2022 18:25

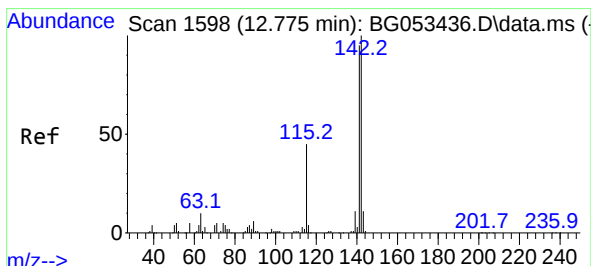
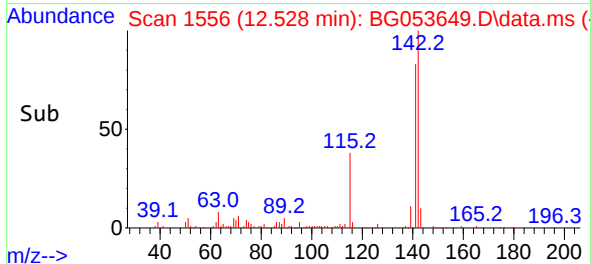
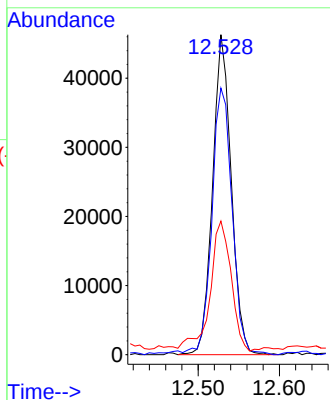
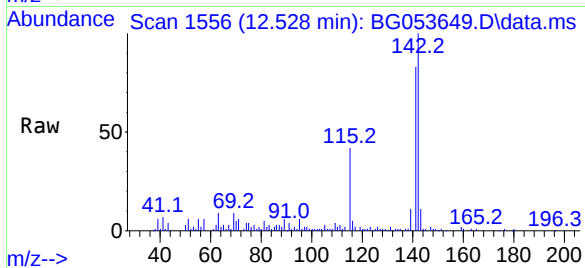
Instrument :
BNA_G
ClientSampleId :
BIN-4-SP-1

Tgt Ion:142 Resp: 73884
Ion Ratio Lower Upper
142 100
141 83.3 72.3 108.5
115 41.8 33.7 50.5

Manual Integrations
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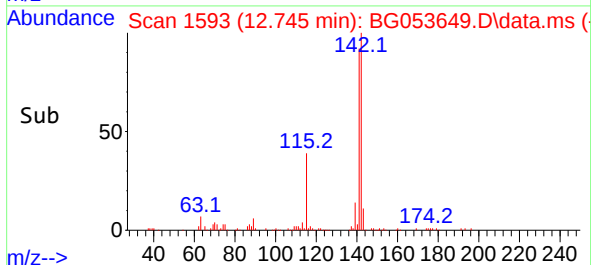
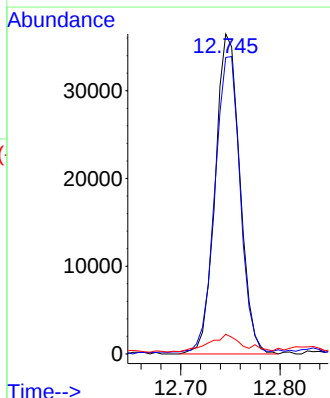
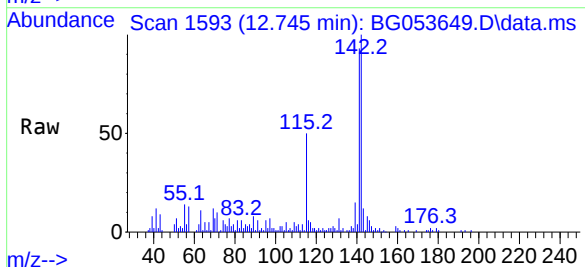
Reviewed By :Christian Giraldo 05/23/2022
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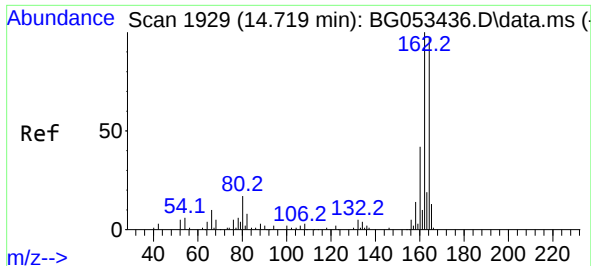
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#38
1-Methylnaphthalene
Concen: 13.967 ng m
RT: 12.745 min Scan# 1593
Delta R.T. -0.012 min
Lab File: BG053649.D
Acq: 20 May 2022 18:25

Tgt Ion:142 Resp: 62802
Ion Ratio Lower Upper
142 100
141 92.7 76.4 114.6
116 6.2 3.3 4.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.696 min Scan# 1925

Delta R.T. -0.006 min

Lab File: BG053649.D

Acq: 20 May 2022 18:25

Instrument :

BNA_G

ClientSampleId :

BIN-4-SP-1

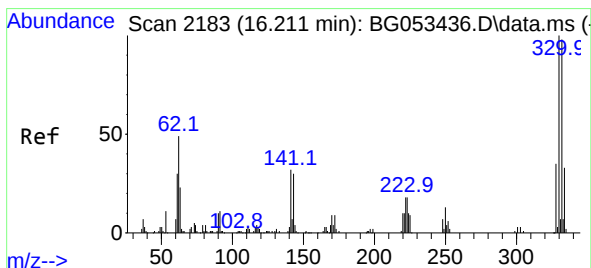
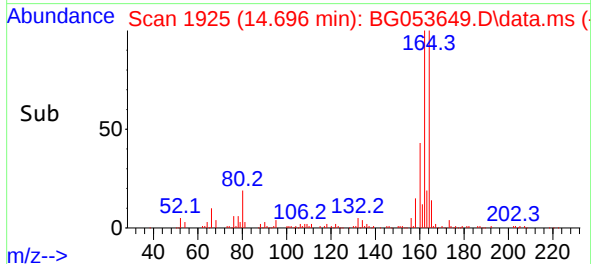
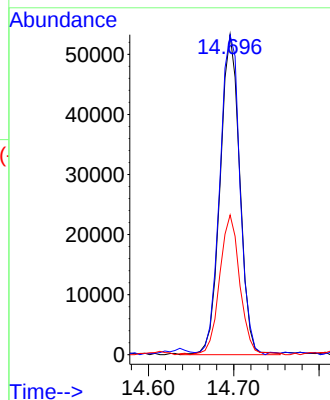
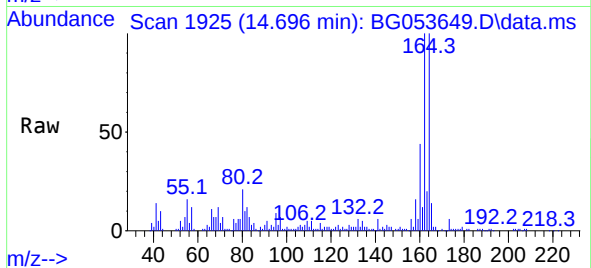
Tgt Ion:164	Resp:	85178
Ion Ratio	Lower	Upper
164	100	
162	99.9	82.3 123.5
160	43.7	34.2 51.2

Manual Integrations

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#42

2,4,6-Tribromophenol

Concen: 89.179 ng

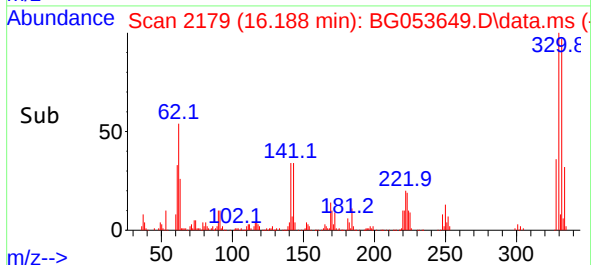
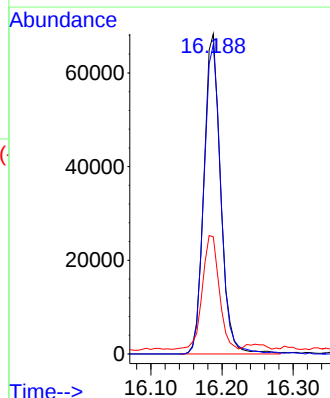
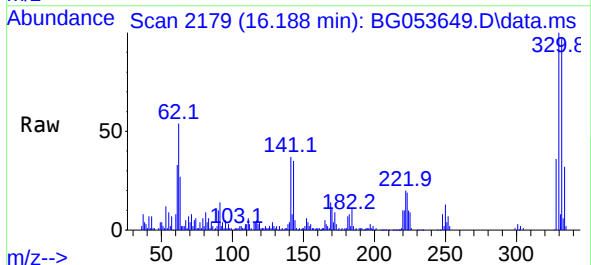
RT: 16.188 min Scan# 2179

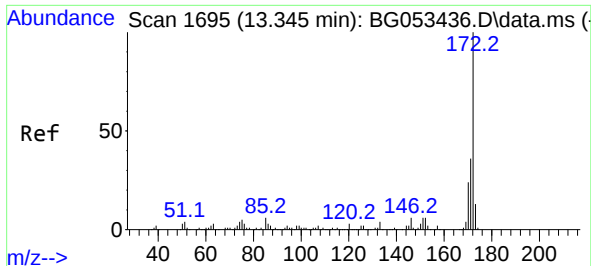
Delta R.T. -0.006 min

Lab File: BG053649.D

Acq: 20 May 2022 18:25

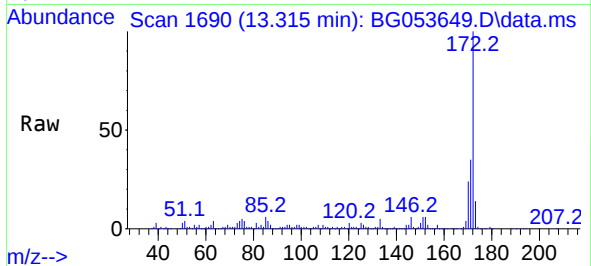
Tgt Ion:330	Resp:	112034
Ion Ratio	Lower	Upper
330	100	
332	97.8	76.0 114.0
141	35.6	27.1 40.7





#45
2-Fluorobiphenyl
Concen: 68.611 ng
RT: 13.315 min Scan# 1
Delta R.T. -0.012 min
Lab File: BG053649.D
Acq: 20 May 2022 18:25

Instrument :
BNA_G
ClientSampleId :
BIN-4-SP-1

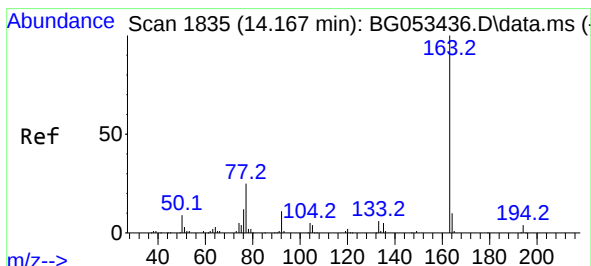
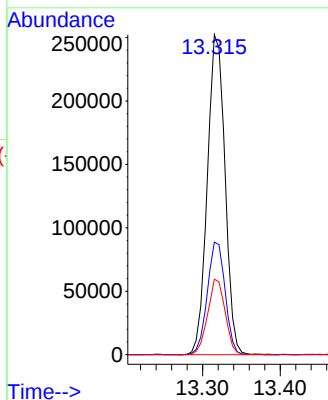
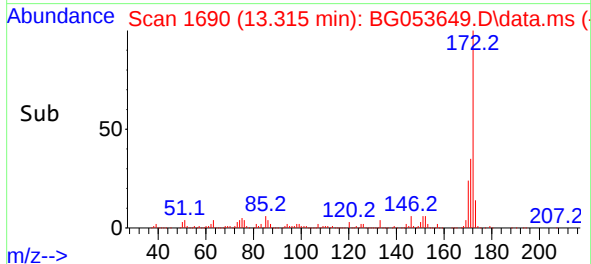


Tgt Ion:172 Resp: 39993
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.6 18.9 28.3

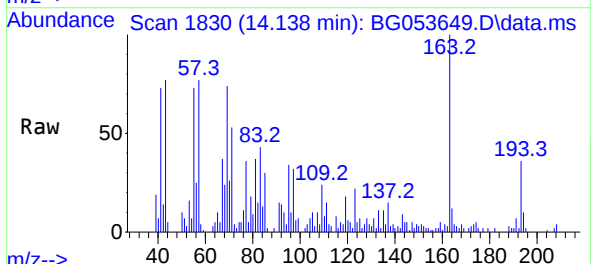
Manual Integrations
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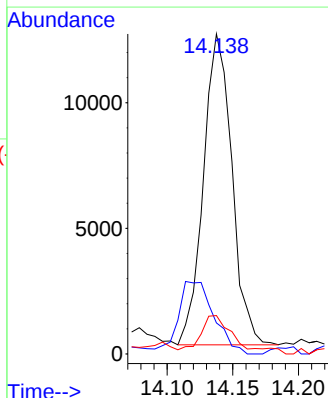
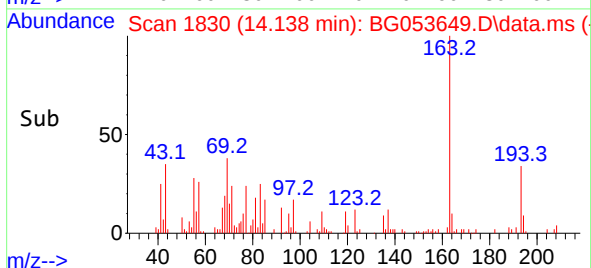
Supervised By :Jagrut
Upadhyay
05/23/2022

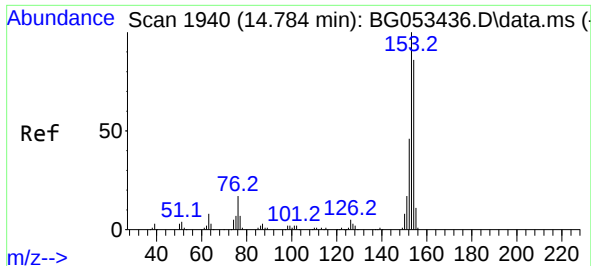


#50
Dimethylphthalate
Concen: 2.891 ng
RT: 14.138 min Scan# 1830
Delta R.T. -0.012 min
Lab File: BG053649.D
Acq: 20 May 2022 18:25



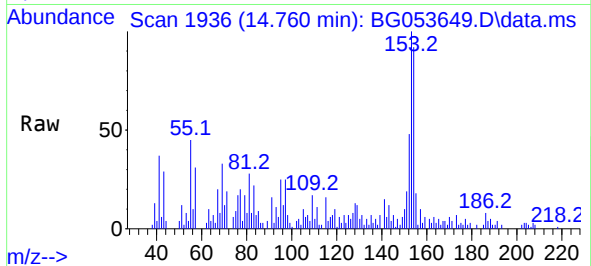
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Ion Ratio Lower Upper
163 100
194 9.7 3.0 4.6#
164 12.0 8.0 12.0#





#52
Acenaphthene
Concen: 4.103 ng
RT: 14.760 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BG053649.D
Acq: 20 May 2022 18:25

Instrument :
BNA_G
ClientSampleId :
BIN-4-SP-1

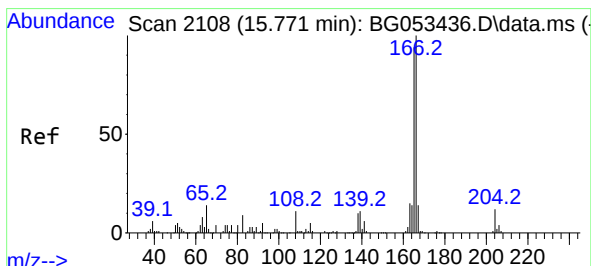
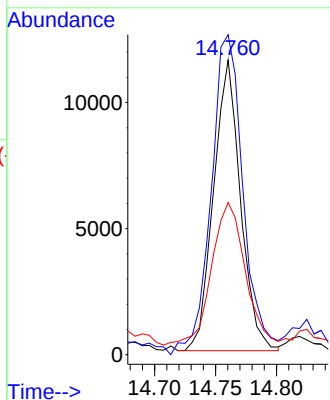
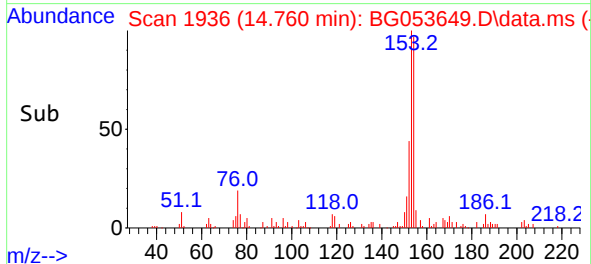


Tgt Ion:154 Resp: 17750
Ion Ratio Lower Upper
154 100
153 108.6 92.7 139.1
152 51.6 42.6 64.0

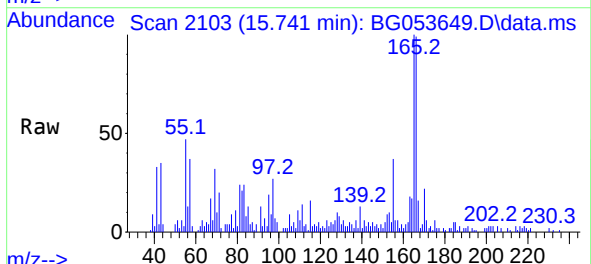
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Supervised By :Jagrut Upadhyay 05/23/2022

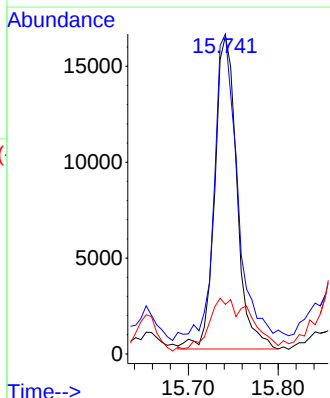
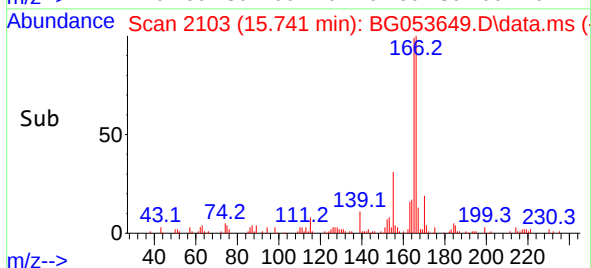
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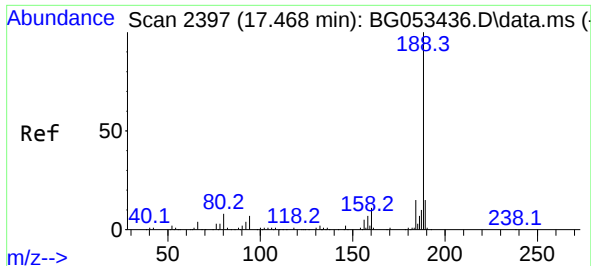


#58
Fluorene
Concen: 4.479 ng
RT: 15.741 min Scan# 2103
Delta R.T. -0.006 min
Lab File: BG053649.D
Acq: 20 May 2022 18:25



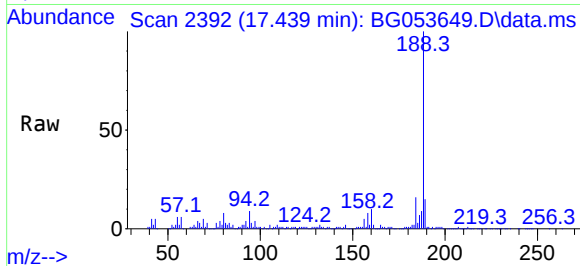
Tgt Ion:166 Resp: 27929
Ion Ratio Lower Upper
166 100
165 100.7 75.0 112.6
167 15.6 10.8 16.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.439 min Scan# 21
Delta R.T. -0.012 min
Lab File: BG053649.D
Acq: 20 May 2022 18:25

Instrument :
BNA_G
ClientSampleId :
BIN-4-SP-1

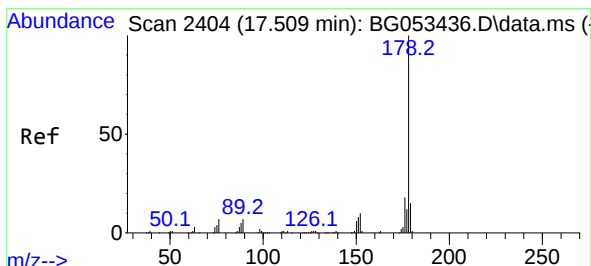
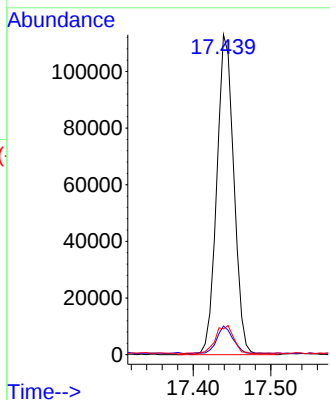
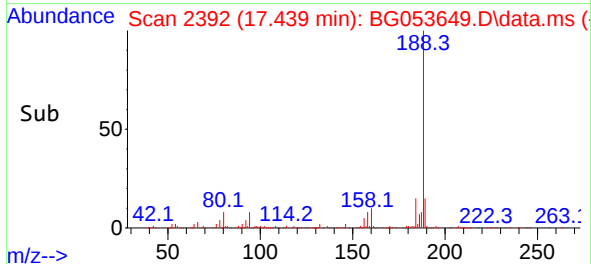


Tgt Ion:188 Resp: 17285
Ion Ratio Lower Upper
188 100
94 9.0 5.4 8.0
80 8.1 6.8 10.2

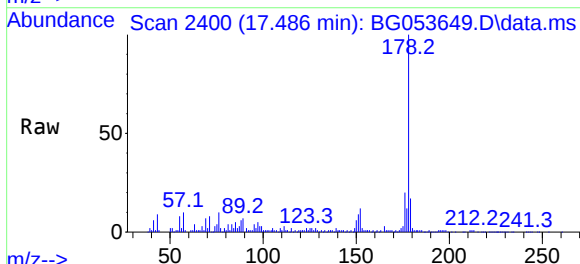
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Supervised By :Jagrut Upadhyay 05/23/2022

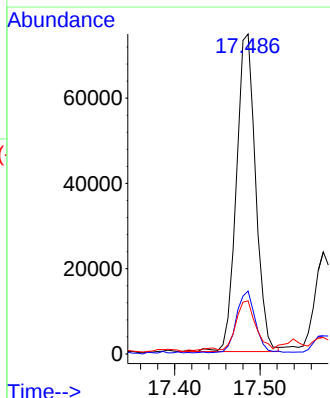
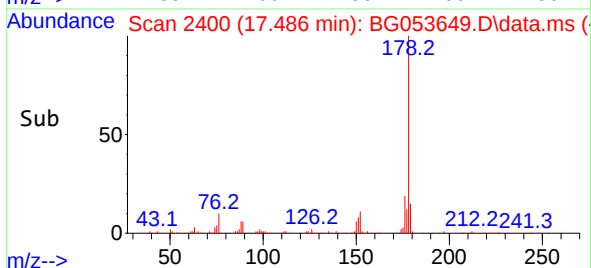
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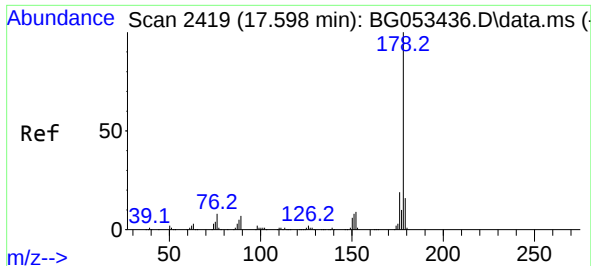


#71
Phenanthrene
Concen: 13.269 ng
RT: 17.486 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BG053649.D
Acq: 20 May 2022 18:25



Tgt Ion:178 Resp: 116630
Ion Ratio Lower Upper
178 100
176 19.7 14.1 21.1
179 16.6 12.1 18.1





#72
 Anthracene
 Concen: 3.855 ng
 RT: 17.574 min Scan# 2419
 Delta R.T. -0.012 min
 Lab File: BG053649.D
 Acq: 20 May 2022 18:25

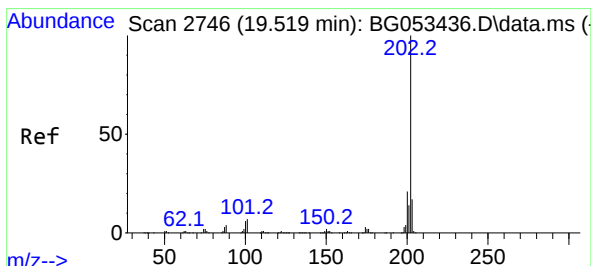
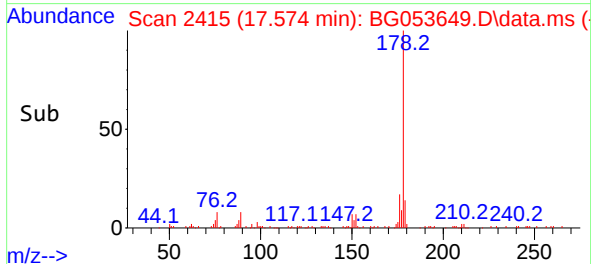
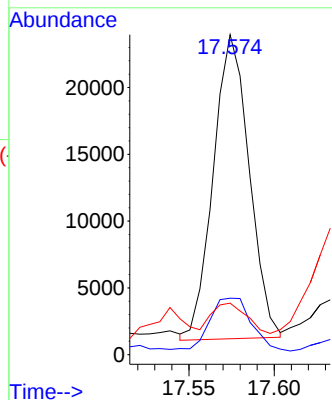
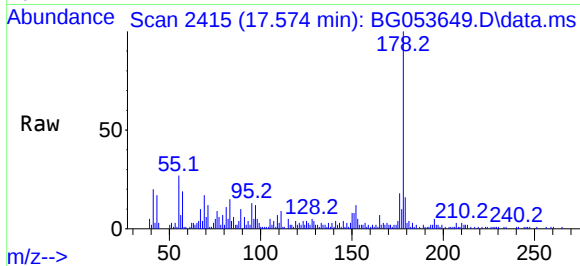
Instrument :
 BNA_G
 ClientSampleId :
 BIN-4-SP-1

Tgt Ion:178 Resp: 3330
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.2 22.8
 179 16.1 13.0 19.4

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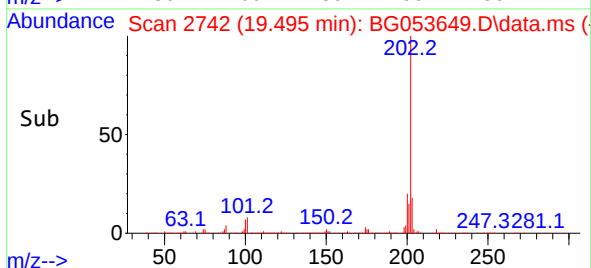
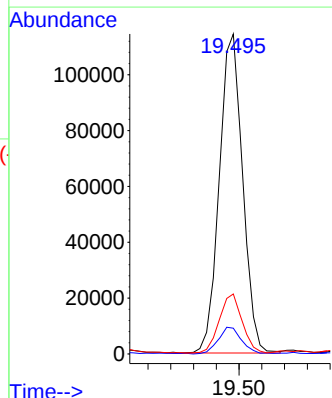
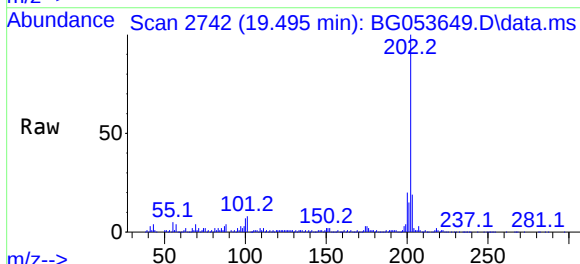
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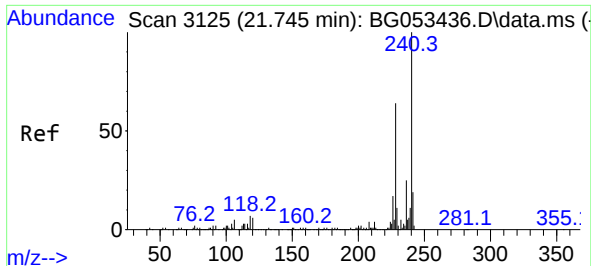
Supervised By :Jagrut
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#75
 Fluoranthene
 Concen: 14.309 ng
 RT: 19.495 min Scan# 2742
 Delta R.T. -0.006 min
 Lab File: BG053649.D
 Acq: 20 May 2022 18:25

Tgt Ion:202 Resp: 162853
 Ion Ratio Lower Upper
 202 100
 101 8.1 0.0 26.9
 203 18.7 0.0 37.2





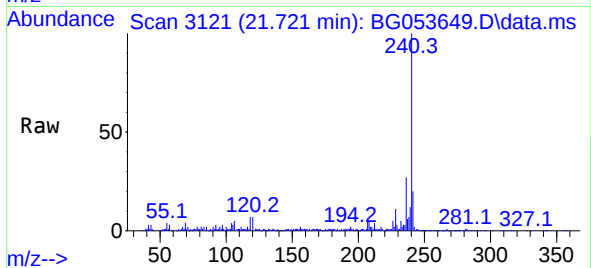
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.721 min Scan# 3125
Delta R.T. -0.012 min
Lab File: BG053649.D
Acq: 20 May 2022 18:25

Instrument :

BNA_G

ClientSampleId :

BIN-4-SP-1

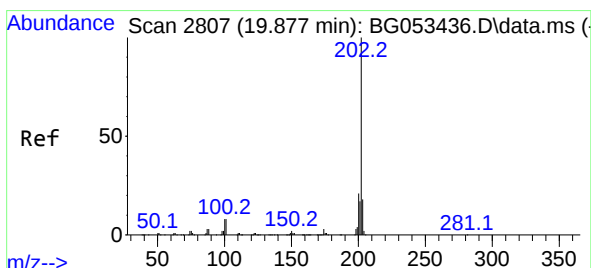
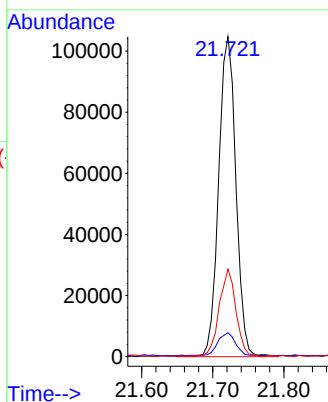
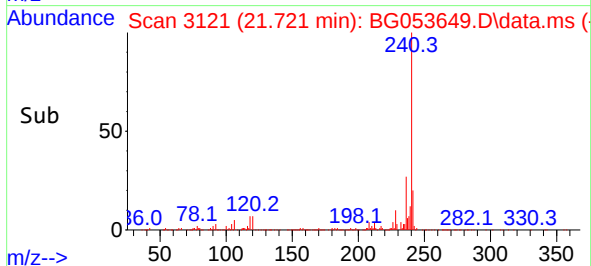


Tgt Ion:240 Resp: 176029
Ion Ratio Lower Upper
240 100
120 7.5 4.6 7.0
236 27.4 20.2 30.4

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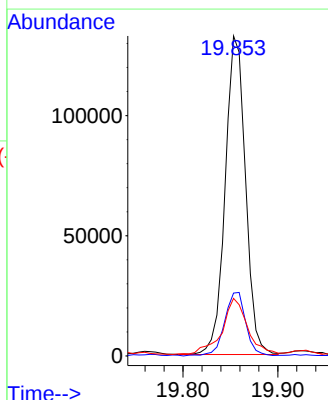
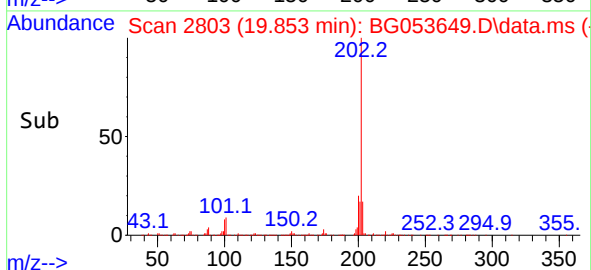
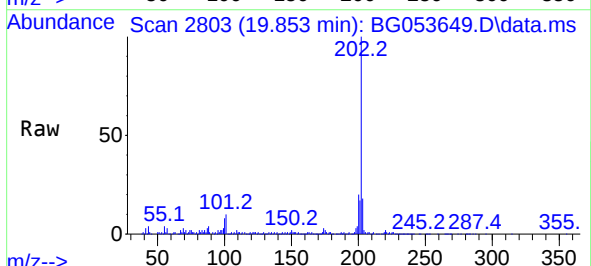
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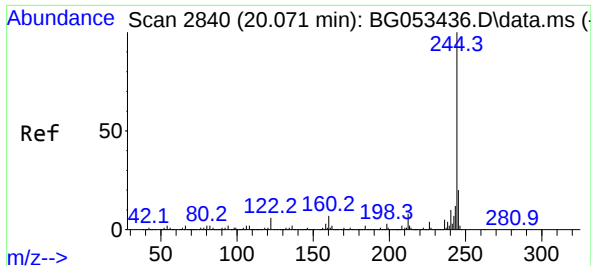
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#78
Pyrene
Concen: 17.331 ng
RT: 19.853 min Scan# 2803
Delta R.T. -0.012 min
Lab File: BG053649.D
Acq: 20 May 2022 18:25

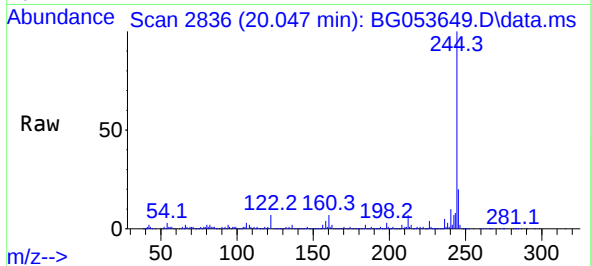
Tgt Ion:202 Resp: 197486
Ion Ratio Lower Upper
202 100
200 19.7 16.6 24.8
203 18.0 14.6 21.8





#79
 Terphenyl-d14
 Concen: 63.470 ng
 RT: 20.047 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG053649.D
 Acq: 20 May 2022 18:25

Instrument :
 BNA_G
 ClientSampleId :
 BIN-4-SP-1

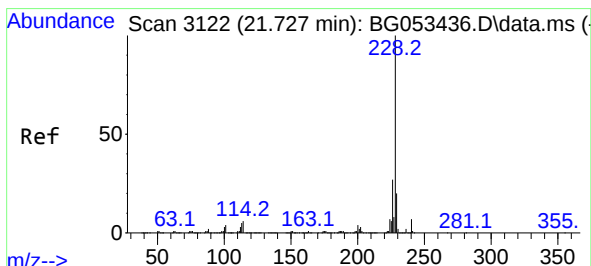
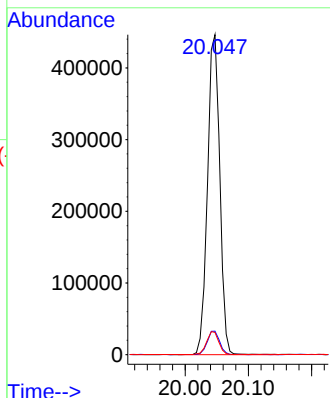
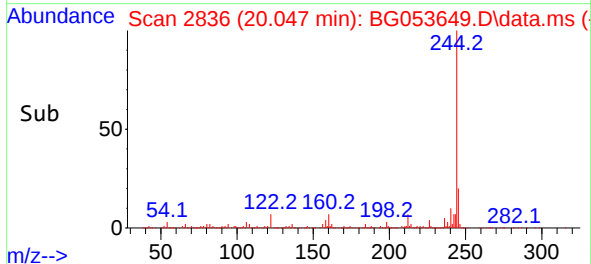


Tgt Ion:244 Resp: 599870
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 7.0 5.0 7.4

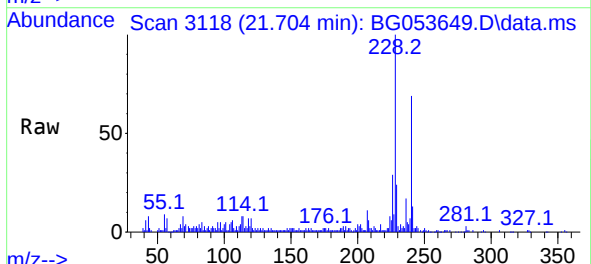
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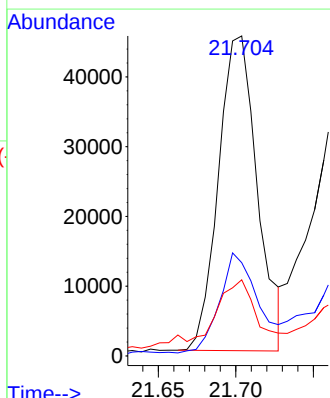
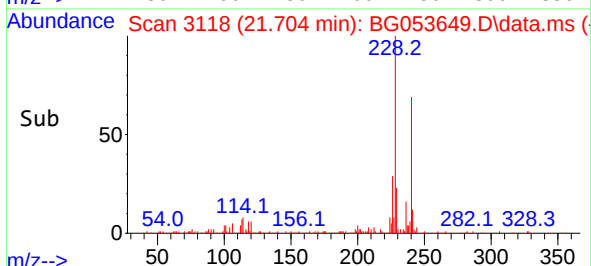
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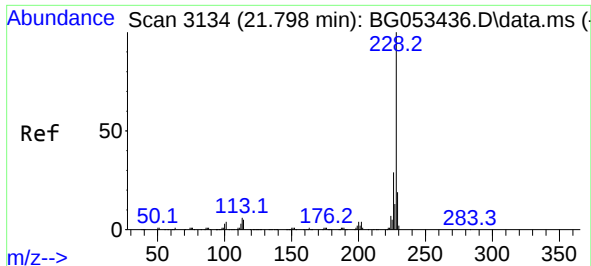


#81
 Benzo(a)anthracene
 Concen: 7.023 ng
 RT: 21.704 min Scan# 3118
 Delta R.T. -0.006 min
 Lab File: BG053649.D
 Acq: 20 May 2022 18:25



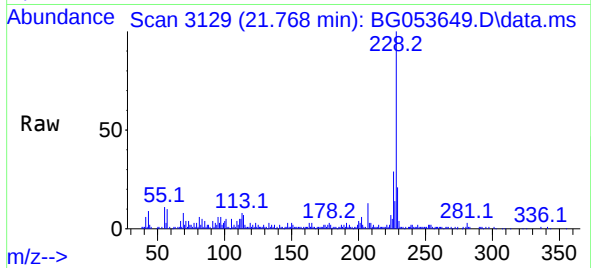
Tgt Ion:228 Resp: 78851
 Ion Ratio Lower Upper
 228 100
 226 29.2 21.6 32.4
 229 23.8 16.2 24.2





#83
Chrysene
Concen: 7.553 ng
RT: 21.768 min Scan# 3134
Delta R.T. -0.006 min
Lab File: BG053649.D
Acq: 20 May 2022 18:25

Instrument :
BNA_G
ClientSampleId :
BIN-4-SP-1

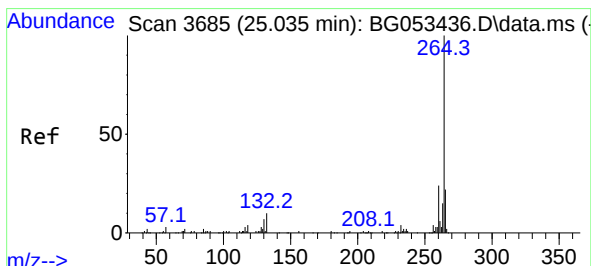
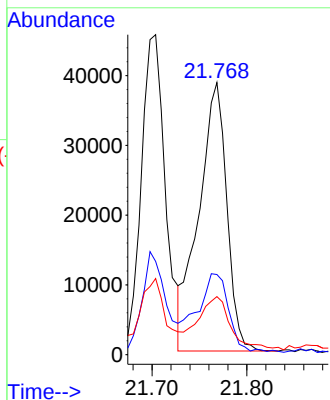
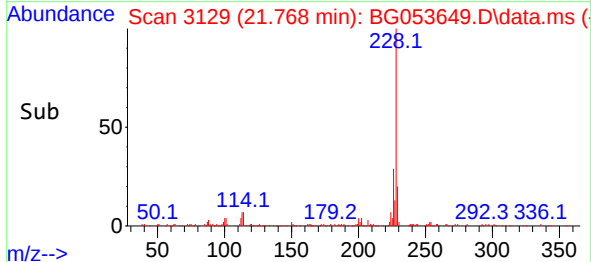


Tgt Ion:228 Resp: 7920
Ion Ratio Lower Upper
228 100
226 29.5 23.4 35.2
229 21.3 15.5 23.3

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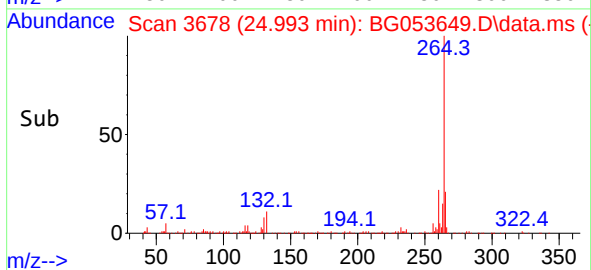
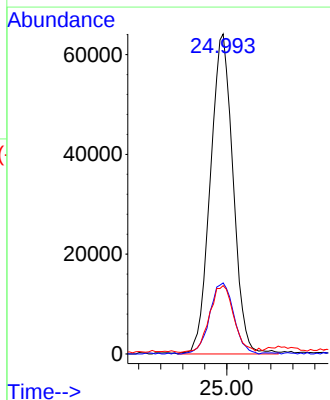
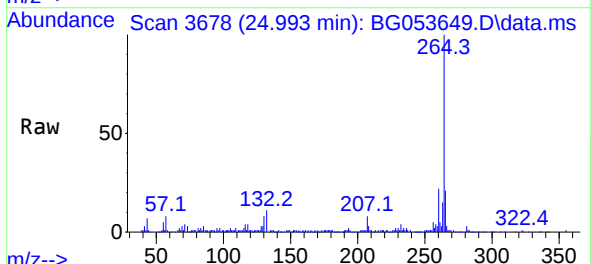
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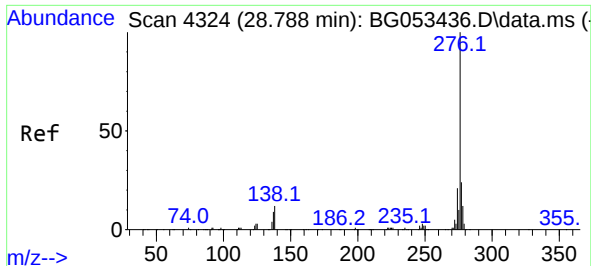
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#86
Perylene-d12
Concen: 20.000 ng
RT: 24.993 min Scan# 3678
Delta R.T. -0.012 min
Lab File: BG053649.D
Acq: 20 May 2022 18:25

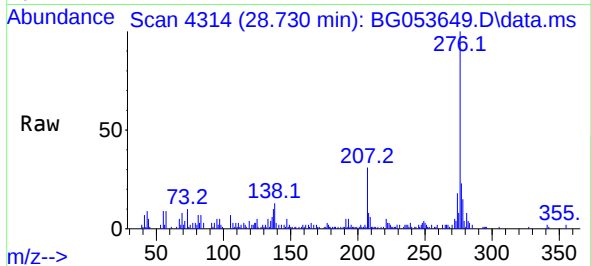
Tgt Ion:264 Resp: 183990
Ion Ratio Lower Upper
264 100
260 22.2 19.0 28.6
265 21.4 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.630 ng
RT: 28.730 min Scan# 411
Delta R.T. -0.023 min
Lab File: BG053649.D
Acq: 20 May 2022 18:25

Instrument :
BNA_G
ClientSampleId :
BIN-4-SP-1

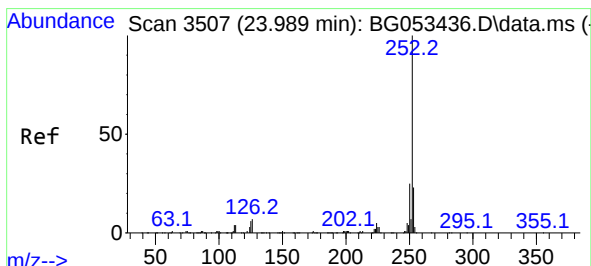
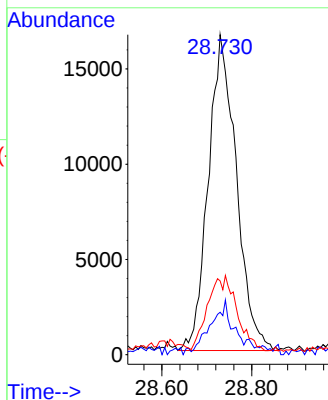
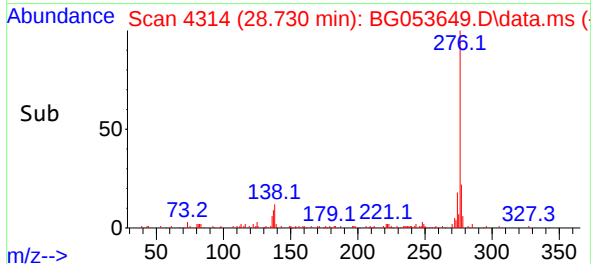


Tgt Ion:276 Resp: 7214
Ion Ratio Lower Upper
276 100
138 11.9 5.0 7.4
277 12.9 20.3 30.5

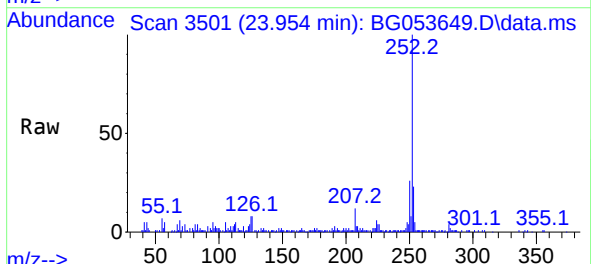
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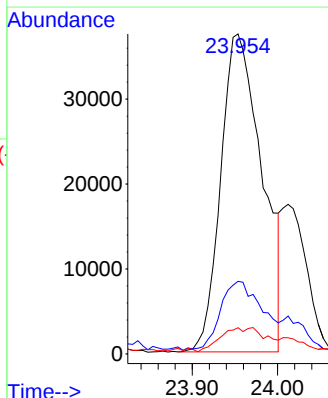
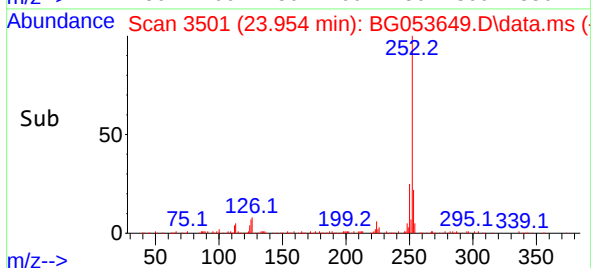
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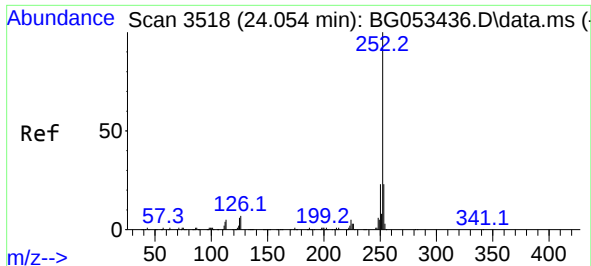


#88
Benzo(b)fluoranthene
Concen: 11.572 ng
RT: 23.954 min Scan# 3501
Delta R.T. -0.006 min
Lab File: BG053649.D
Acq: 20 May 2022 18:25



Tgt Ion:252 Resp: 126030
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 8.2 4.6 6.8





#89

Benzo(k)fluoranthene

Concen: 3.206 ng m

RT: 24.012 min Scan# 3511

Delta R.T. -0.017 min

Lab File: BG053649.D

Acq: 20 May 2022 18:25

Instrument :

BNA_G

ClientSampleId :

BIN-4-SP-1

Tgt Ion:	252	Resp:	3431
Ion Ratio	Lower	Upper	
252	100		
253	25.3	18.4	27.6
125	10.8	4.8	7.2

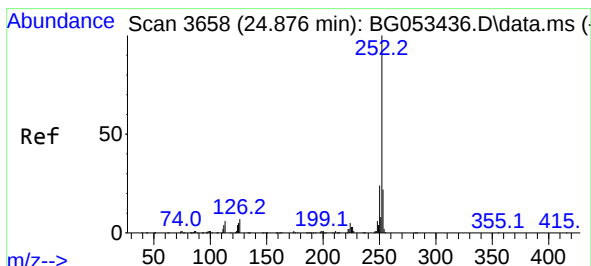
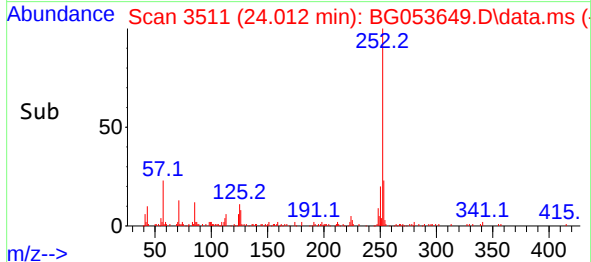
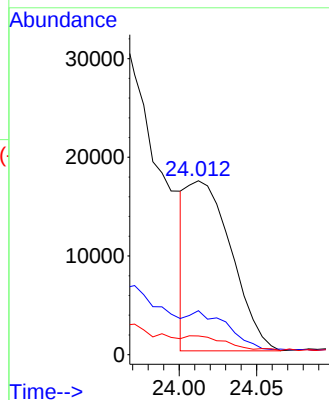
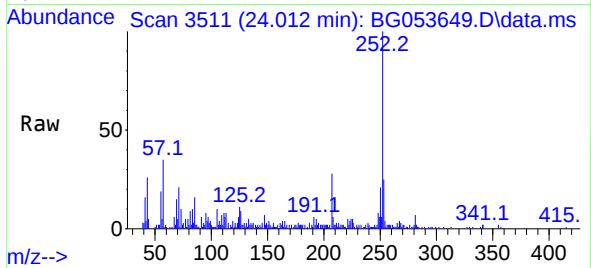
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Supervised By :Jagrut Upadhyay 05/23/2022

Supervised By :Jagrut
Upadhyay
05/23/2022



#90

Benzo(a)pyrene

Concen: 10.545 ng

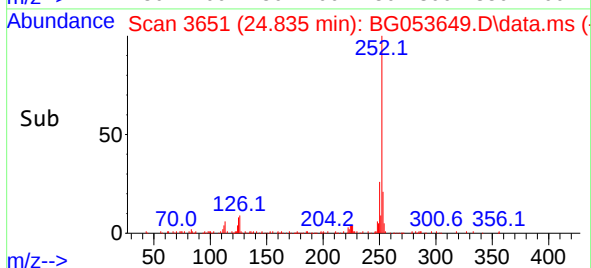
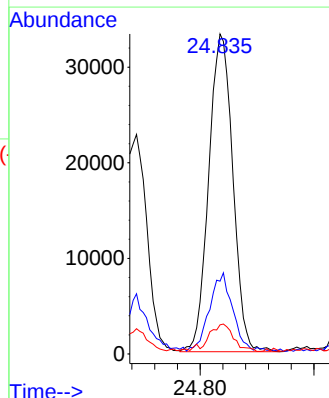
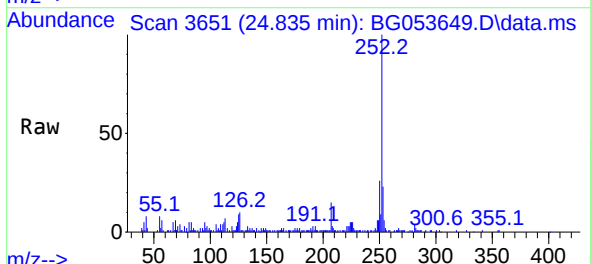
RT: 24.835 min Scan# 3651

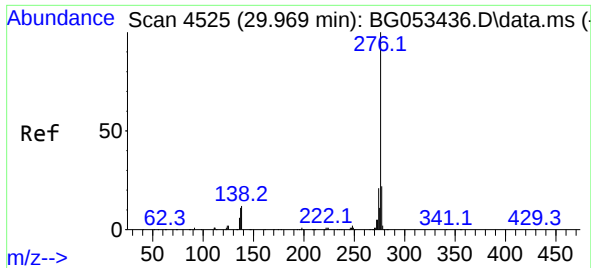
Delta R.T. -0.012 min

Lab File: BG053649.D

Acq: 20 May 2022 18:25

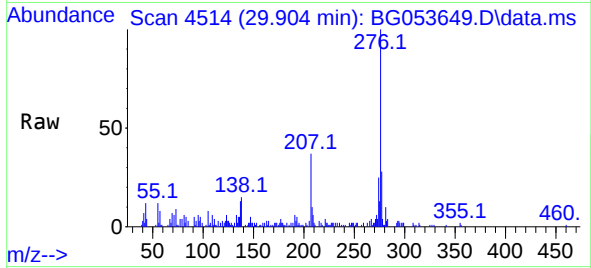
Tgt Ion:	252	Resp:	97743
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.8	26.8
125	9.1	4.3	6.5





#92
 Benzo(g,h,i)perylene
 Concen: 6.959 ng
 RT: 29.904 min Scan# 4514
 Delta R.T. -0.029 min
 Lab File: BG053649.D
 Acq: 20 May 2022 18:25

Instrument :
 BNA_G
 ClientSampleId :
 BIN-4-SP-1



Tgt Ion: 276 Resp: 72838

Ion	Ratio	Lower	Upper
276	100		
277	27.8	17.3	25.9
138	14.9	9.6	14.4

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 Supervised By : Jagrut Upadhyay 05/23/2022

Supervised By : Jagrut
 Upadhyay
 05/23/2022

