

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052622\
 Data File : BG053718.D
 Acq On : 26 May 2022 15:45
 Operator : CG/JU
 Sample : N3001-01DL 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BU-03-052322DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/27/2022
 Supervised By : Jagrut Upadhyay 05/27/2022

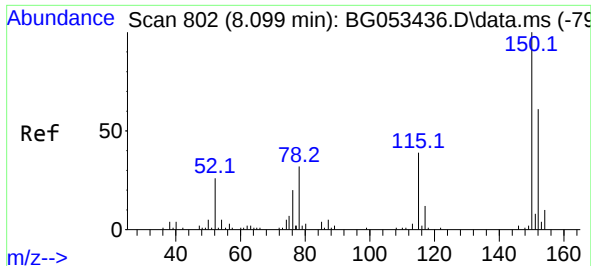
Supervised By : Jagrut
 Upadhyay
 05/27/2022

Quant Time: May 26 16:18:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 15:11:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.981	152	33197	20.000	ng	0.00
21) Naphthalene-d8	10.795	136	133964	20.000	ng	0.00
39) Acenaphthene-d10	14.619	164	88565	20.000	ng	0.00
64) Phenanthrene-d10	17.368	188	183551	20.000	ng	0.00
76) Chrysene-d12	21.645	240	165583	20.000	ng	0.00
86) Perylene-d12	24.852	264	172662	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.555	112	96603	49.386	ng	0.00
7) Phenol-d6	7.158	99	142292	47.932	ng	0.00
23) Nitrobenzene-d5	9.144	82	98929	31.436	ng	-0.01
42) 2,4,6-Tribromophenol	16.111	330	58961	45.138	ng	0.00
45) 2-Fluorobiphenyl	13.238	172	216543	35.729	ng	0.00
79) Terphenyl-d14	19.982	244	288035	32.398	ng	0.00
Target Compounds						Qvalue
38) 1-Methylnaphthalene	12.663	142	12281m	2.475	ng	
52) Acenaphthene	14.683	154	25312	5.627	ng	98
55) Dibenzofuran	15.018	168	32827	4.063	ng	97
58) Fluorene	15.665	166	57367	8.848	ng	# 96
71) Phenanthrene	17.409	178	419066	44.901	ng	97
72) Anthracene	17.497	178	114641	12.497	ng	96
73) Carbazole	17.773	167	61699	6.862	ng	97
75) Fluoranthene	19.430	202	579287	47.935	ng	98
78) Pyrene	19.794	202	494991	46.179	ng	99
81) Benzo(a)anthracene	21.627	228	259233	24.546	ng	100
83) Chrysene	21.692	228	251181	25.465	ng	96
87) Indeno(1,2,3-cd)pyrene	28.518	276	180065	14.974	ng	# 97
88) Benzo(b)fluoranthene	23.836	252	349774	34.224	ng	98
89) Benzo(k)fluoranthene	23.895	252	89375m	8.899	ng	
90) Benzo(a)pyrene	24.699	252	258236	29.686	ng	# 97
91) Dibenzo(a,h)anthracene	28.535	278	47964m	4.840	ng	
92) Benzo(g,h,i)perylene	29.663	276	177780	18.100	ng	99

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



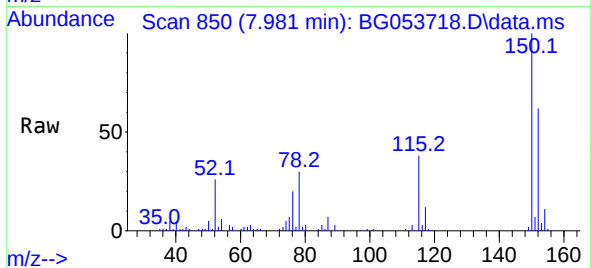
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.981 min Scan# 80
Delta R.T. -0.005 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

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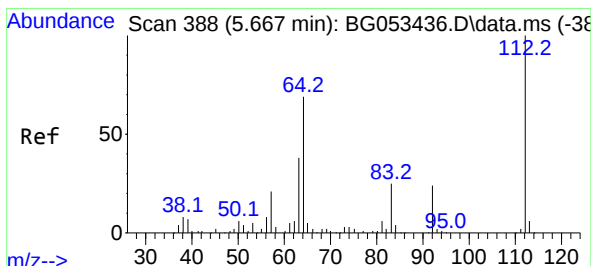
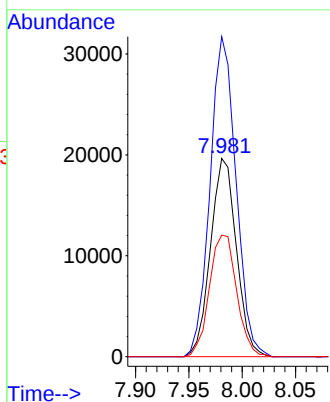
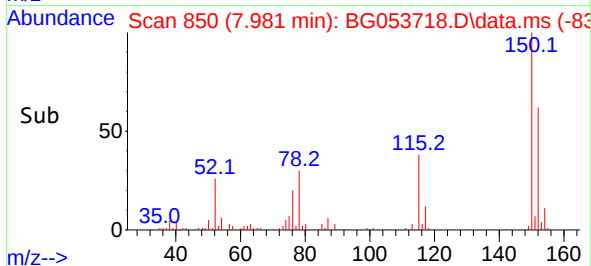


Tgt Ion:152 Resp: 3319
Ion Ratio Lower Upper
152 100
150 161.4 131.6 197.4
115 61.3 50.9 76.3

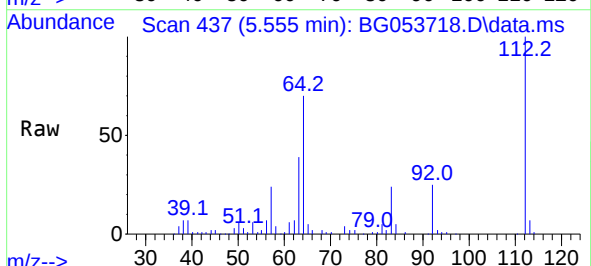
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Supervised By :Jagrut Upadhyay 05/27/2022

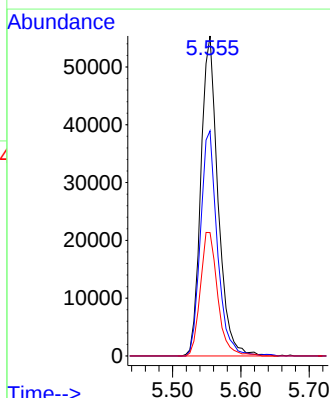
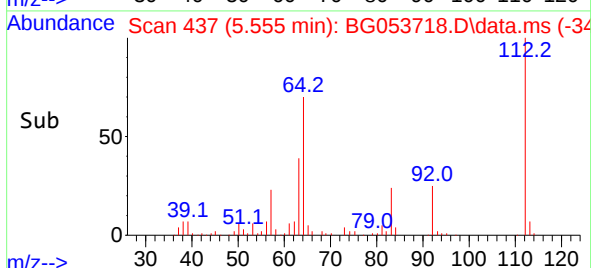
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#5
2-Fluorophenol
Concen: 49.386 ng
RT: 5.555 min Scan# 437
Delta R.T. 0.001 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45



Tgt Ion:112 Resp: 96603
Ion Ratio Lower Upper
112 100
64 70.3 55.1 82.7
63 38.6 30.4 45.6





#7
Phenol-d6
Concen: 47.932 ng
RT: 7.158 min Scan# 71
Delta R.T. -0.005 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

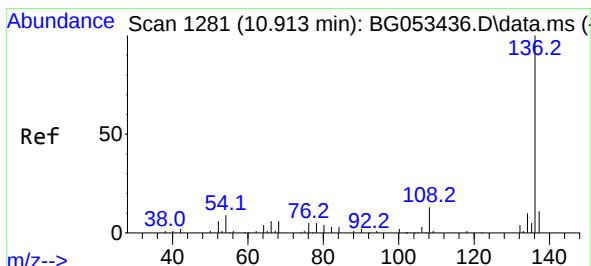
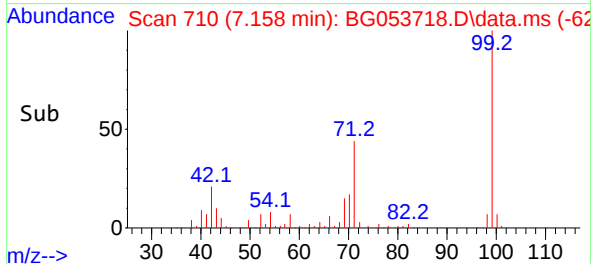
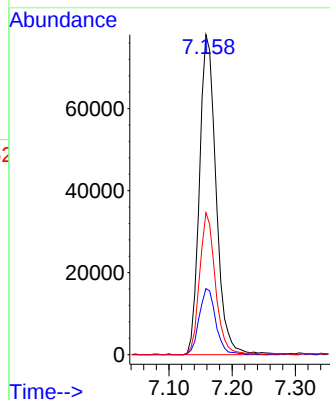
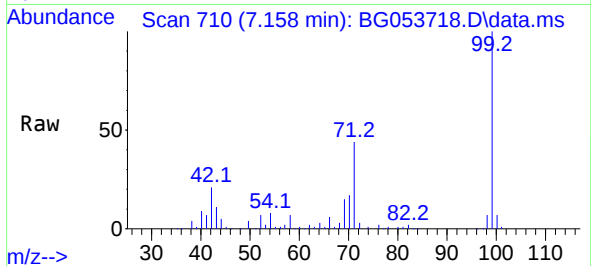
Instrument :
BNA_G
ClientSampleId :
BU-03-052322DL

Tgt Ion: 99 Resp: 142292
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.6
71 44.4 33.8 50.8

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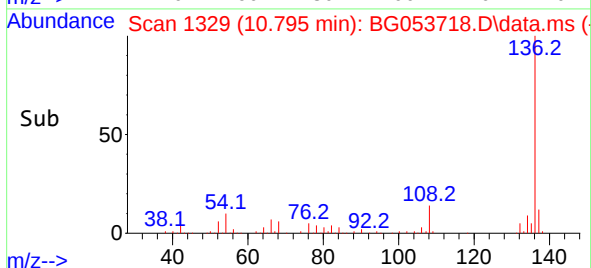
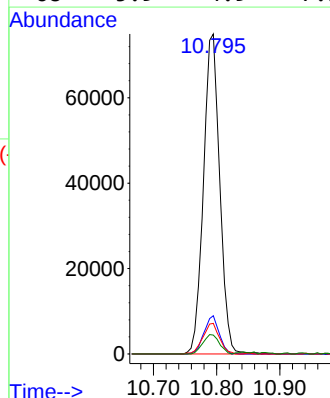
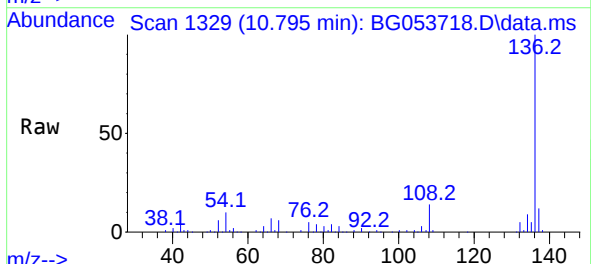
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Upadhyay
05/27/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.795 min Scan# 1329
Delta R.T. -0.005 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

Tgt Ion:136 Resp: 133964
Ion Ratio Lower Upper
136 100
137 12.0 8.5 12.7
54 9.6 7.4 11.2
68 5.9 4.9 7.3





#23

Nitrobenzene-d5

Concen: 31.436 ng

RT: 9.144 min Scan# 1048

Delta R.T. -0.011 min

Lab File: BG053718.D

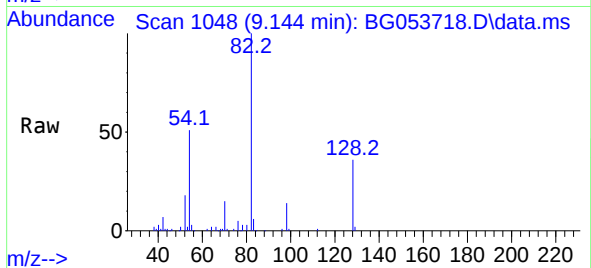
Acq: 26 May 2022 15:45

Instrument :

BNA_G

ClientSampleId :

BU-03-052322DL

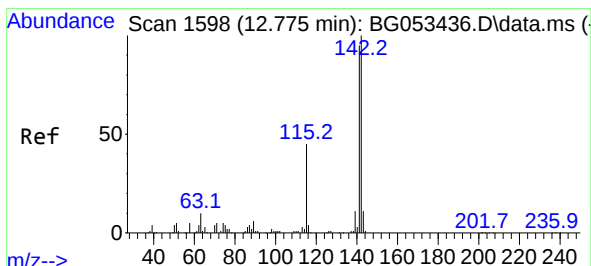
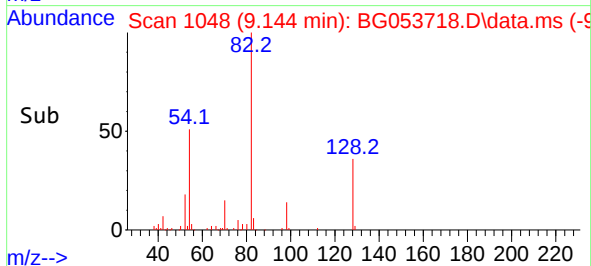
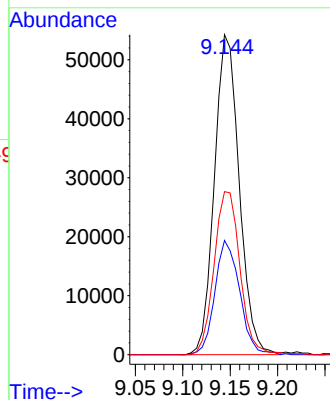


Tgt Ion:	82	Resp:	98929
Ion Ratio	Lower	Upper	
82	100		
128	35.7	27.9	41.9
54	50.9	41.2	61.8

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#38

1-Methylnaphthalene

Concen: 2.475 ng m

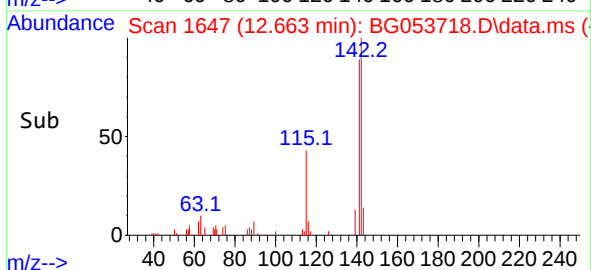
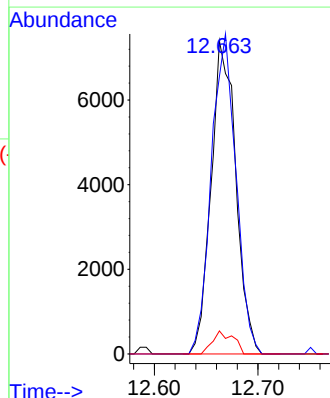
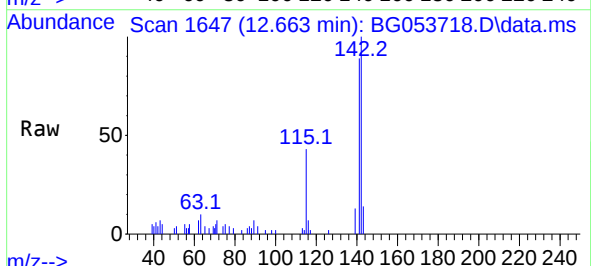
RT: 12.663 min Scan# 1647

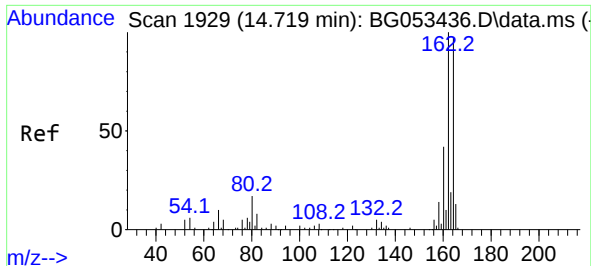
Delta R.T. -0.011 min

Lab File: BG053718.D

Acq: 26 May 2022 15:45

Tgt Ion:	142	Resp:	12281
Ion Ratio	Lower	Upper	
142	100		
141	88.6	76.4	114.6
116	7.4	3.3	4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.619 min Scan# 1929
Delta R.T. -0.005 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

Instrument :

BNA_G

ClientSampleId :

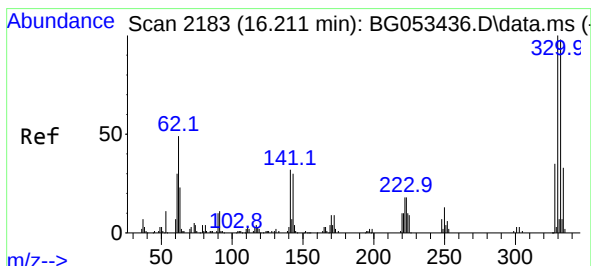
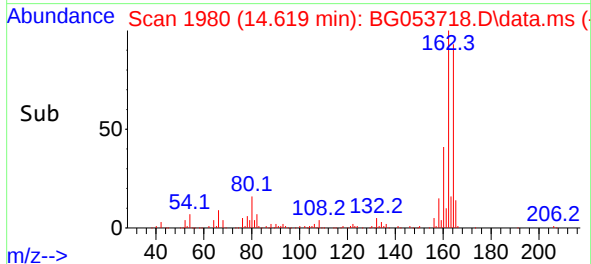
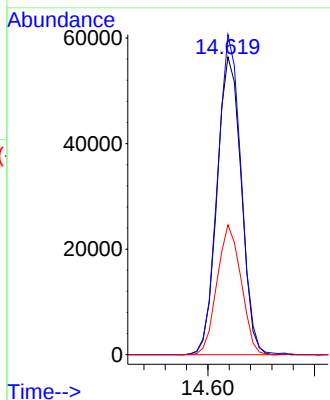
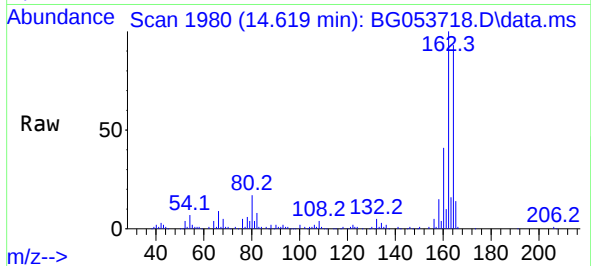
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Tgt Ion:164 Resp: 8856
Ion Ratio Lower Upper
164 100
162 107.4 82.3 123.5
160 43.6 34.2 51.2

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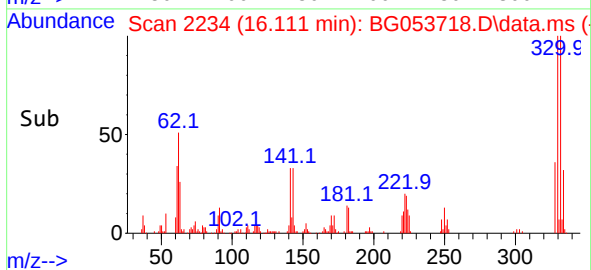
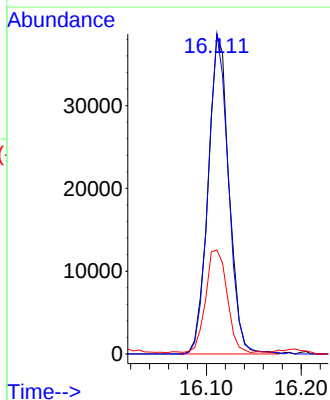
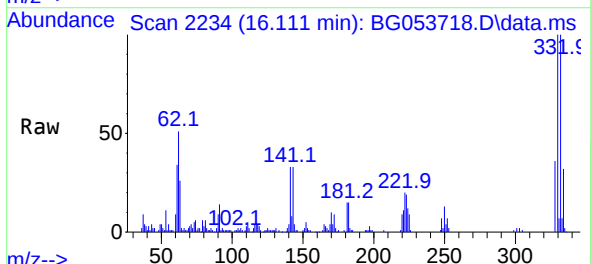
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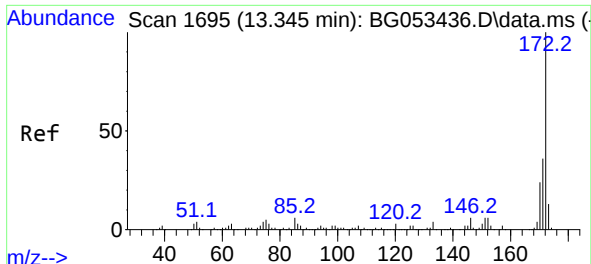
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#42
2,4,6-Tribromophenol
Concen: 45.138 ng
RT: 16.111 min Scan# 2234
Delta R.T. -0.005 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

Tgt Ion:330 Resp: 58961
Ion Ratio Lower Upper
330 100
332 97.6 76.0 114.0
141 33.8 27.1 40.7





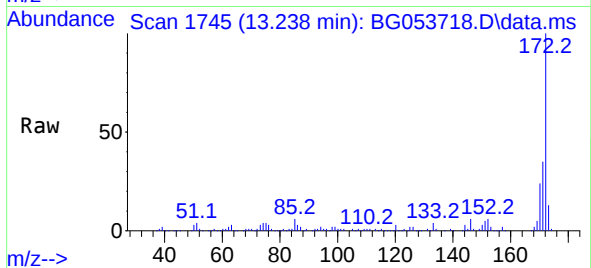
#45
2-Fluorobiphenyl
Concen: 35.729 ng
RT: 13.238 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

Instrument :

BNA_G

ClientSampleId :

BU-03-052322DL



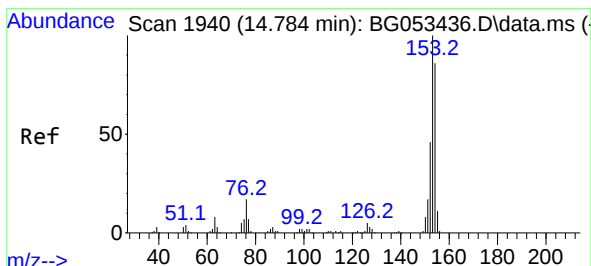
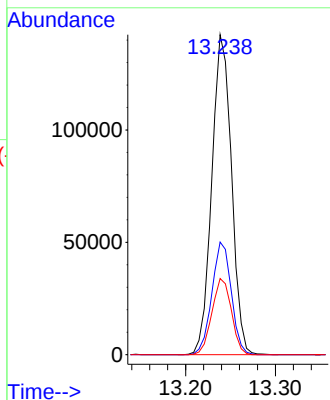
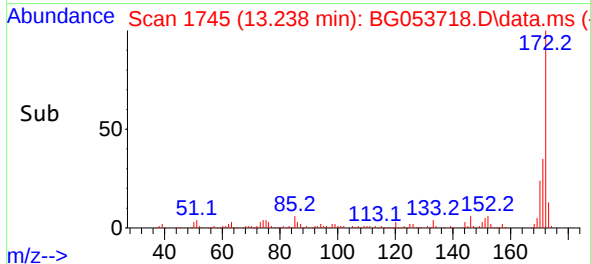
Tgt Ion:172 Resp: 21654
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.8 18.9 28.3

Manual Integrations

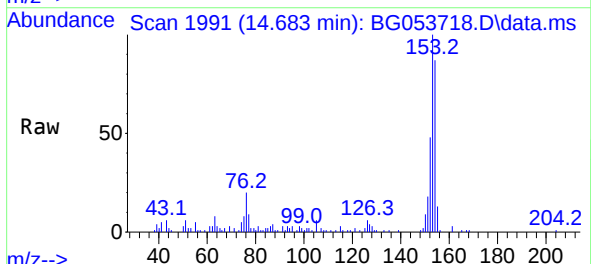
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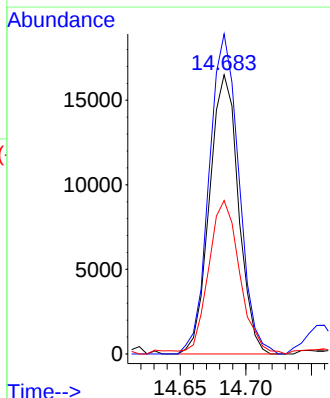
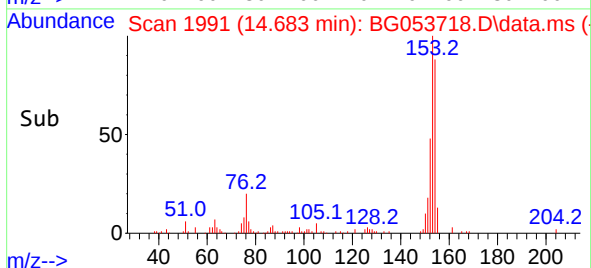
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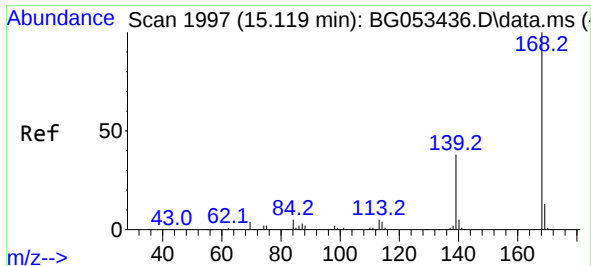


#52
Acenaphthene
Concen: 5.627 ng
RT: 14.683 min Scan# 1991
Delta R.T. -0.005 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45



Tgt Ion:154 Resp: 25312
Ion Ratio Lower Upper
154 100
153 114.6 92.7 139.1
152 55.0 42.6 64.0





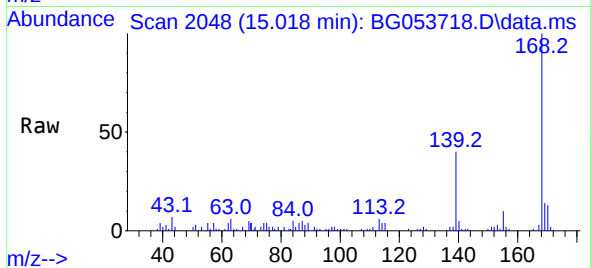
#55
Dibenzofuran
Concen: 4.063 ng
RT: 15.018 min Scan# 2048
Delta R.T. -0.005 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

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BU-03-052322DL

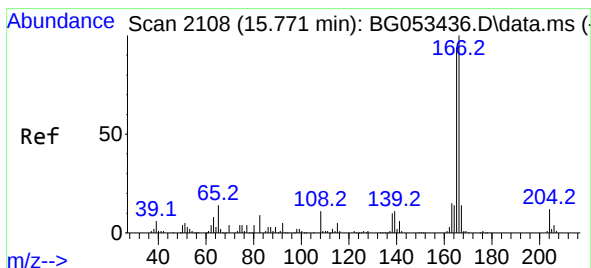
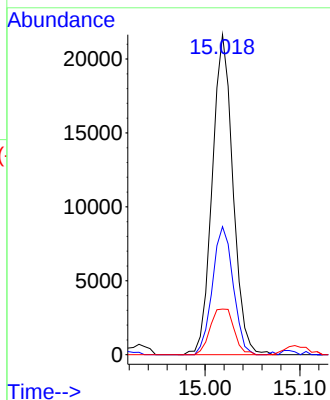
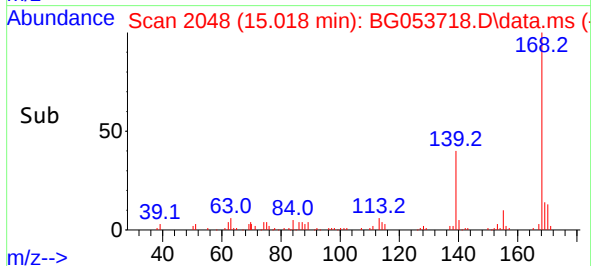


Tgt Ion:168 Resp: 3282
Ion Ratio Lower Upper
168 100
139 40.0 30.5 45.7
169 14.2 10.3 15.5

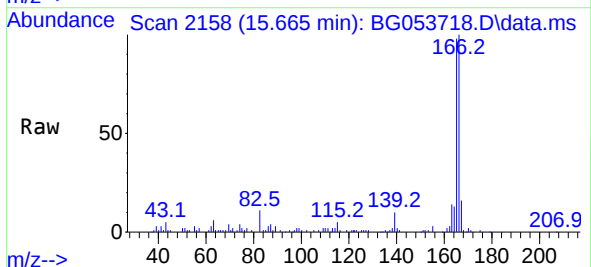
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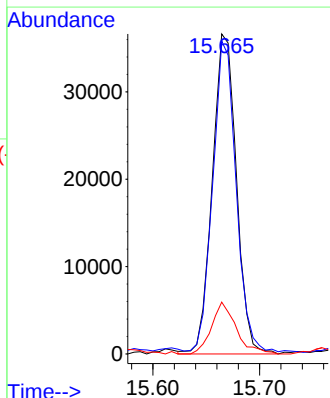
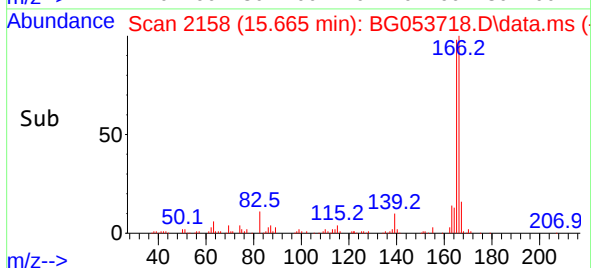
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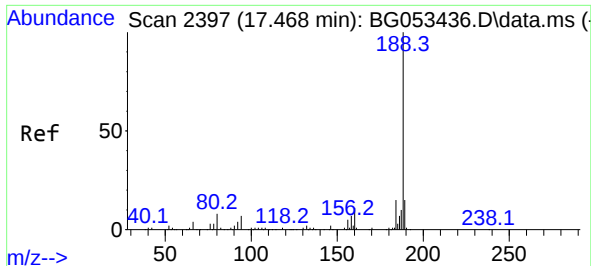


#58
Fluorene
Concen: 8.848 ng
RT: 15.665 min Scan# 2158
Delta R.T. -0.011 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45



Tgt Ion:166 Resp: 57367
Ion Ratio Lower Upper
166 100
165 97.8 75.0 112.6
167 16.2 10.8 16.2#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.368 min Scan# 2448
Delta R.T. -0.005 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

Instrument :

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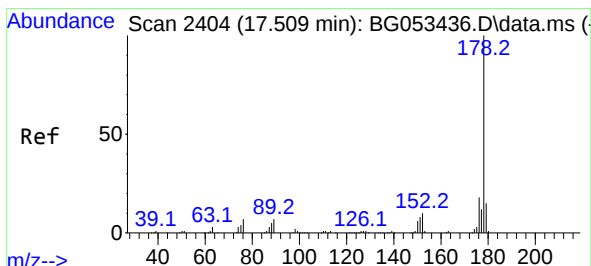
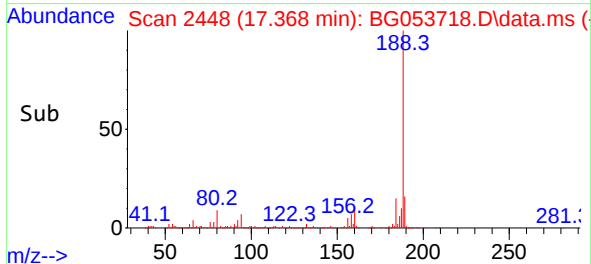
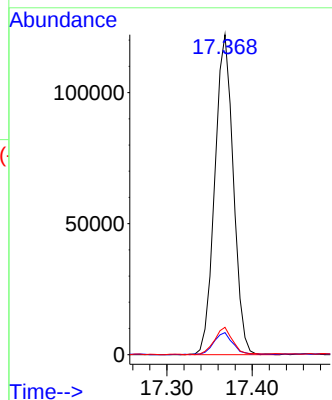
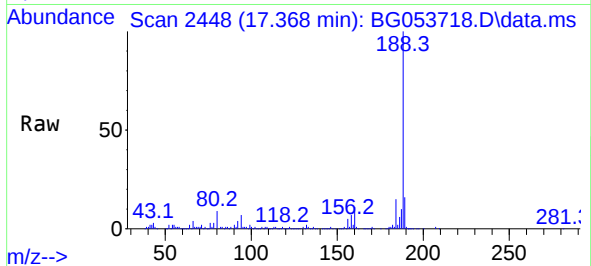
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Ion Ratio Lower Upper
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94 6.9 5.4 8.0
80 8.5 6.8 10.2

Manual Integrations

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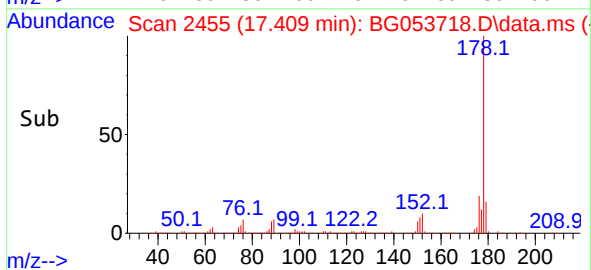
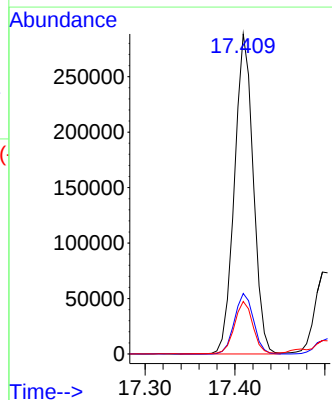
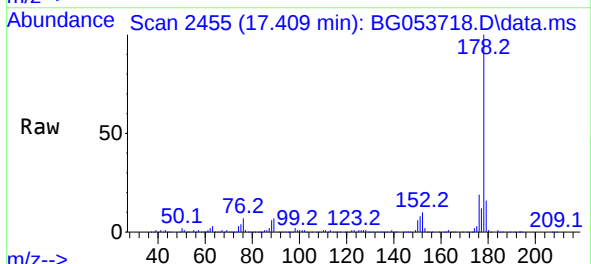
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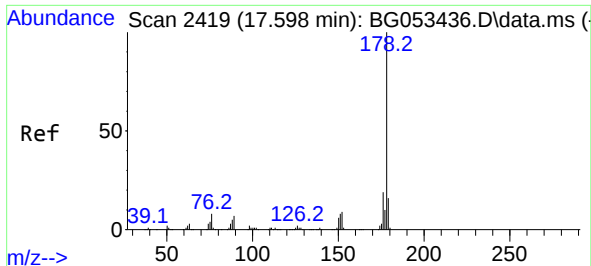
Supervised By :Jagrut
Upadhyay
05/27/2022



#71
Phenanthrene
Concen: 44.901 ng
RT: 17.409 min Scan# 2455
Delta R.T. -0.005 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

Tgt Ion:178 Resp: 419066
Ion Ratio Lower Upper
178 100
176 18.9 14.1 21.1
179 16.4 12.1 18.1





#72
 Anthracene
 Concen: 12.497 ng
 RT: 17.497 min Scan# 2419
 Delta R.T. -0.005 min
 Lab File: BG053718.D
 Acq: 26 May 2022 15:45

Instrument :

BNA_G

ClientSampleId :

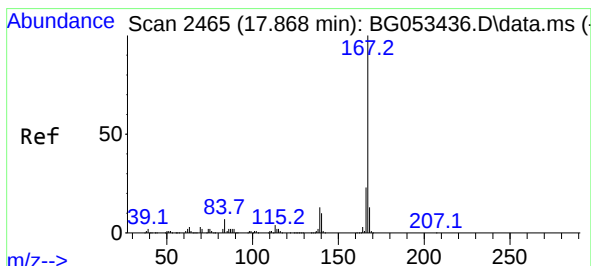
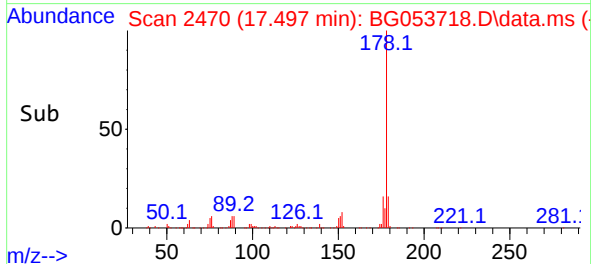
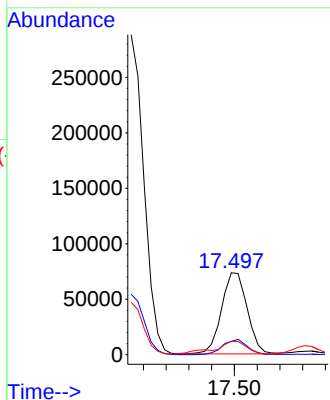
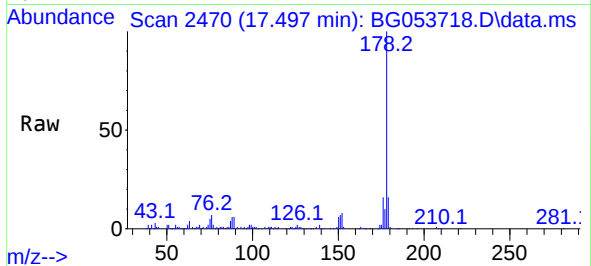
BU-03-052322DL

Tgt Ion:178 Resp: 11464
 Ion Ratio Lower Upper
 178 100
 176 16.1 15.2 22.8
 179 16.4 13.0 19.4

Manual Integrations
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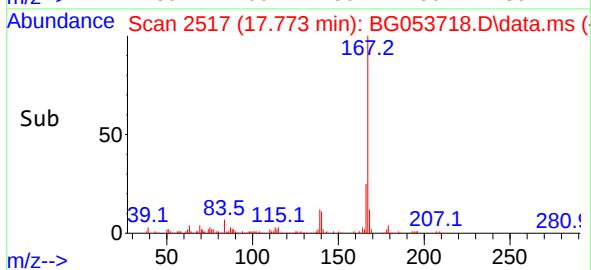
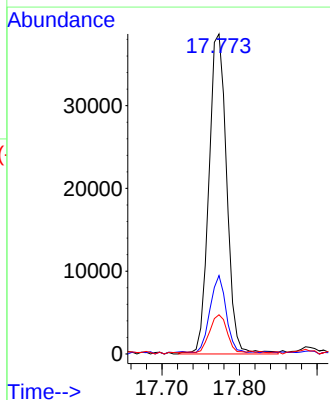
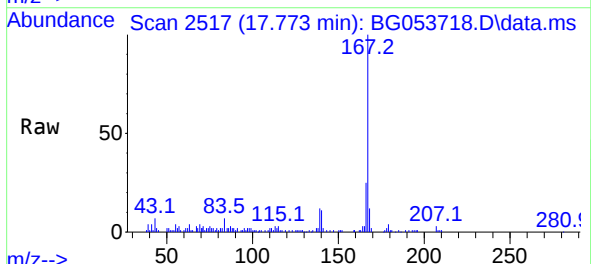
Reviewed By :Christian Giraldo 05/27/2022
 Supervised By :Jagrut Upadhyay 05/27/2022

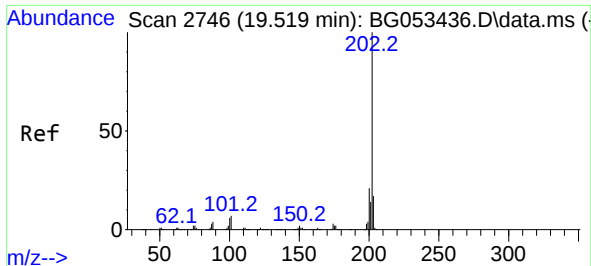
Supervised By :Jagrut
 Upadhyay
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#73
 Carbazole
 Concen: 6.862 ng
 RT: 17.773 min Scan# 2517
 Delta R.T. -0.005 min
 Lab File: BG053718.D
 Acq: 26 May 2022 15:45

Tgt Ion:167 Resp: 61699
 Ion Ratio Lower Upper
 167 100
 166 24.5 18.2 27.2
 139 12.3 10.1 15.1





#75
Fluoranthene
Concen: 47.935 ng
RT: 19.430 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

Instrument :

BNA_G

ClientSampleId :

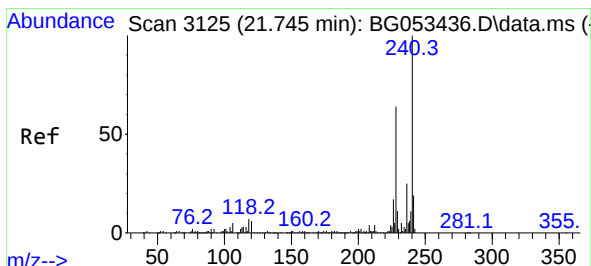
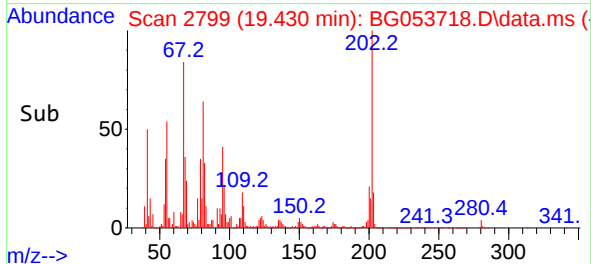
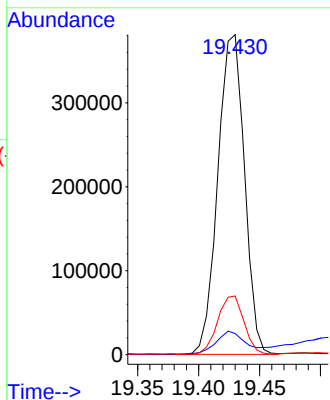
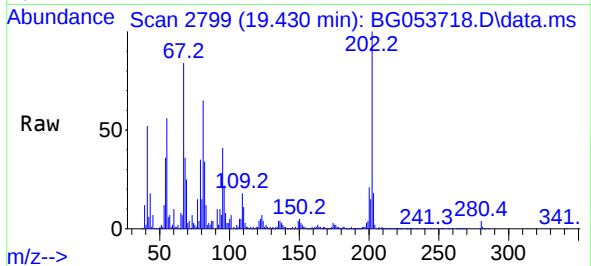
BU-03-052322DL

Tgt Ion:202 Resp: 57928
Ion Ratio Lower Upper
202 100
101 6.6 0.0 26.9
203 18.4 0.0 37.2

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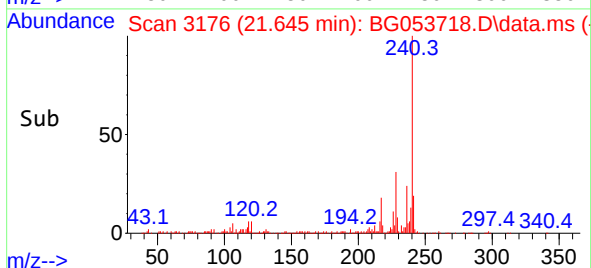
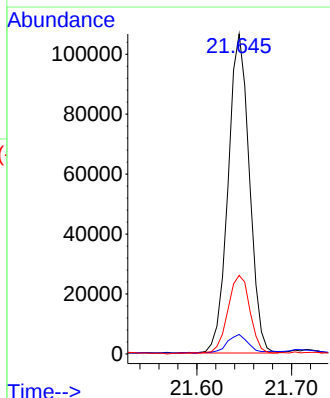
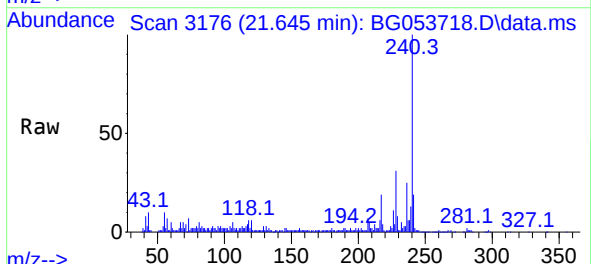
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022

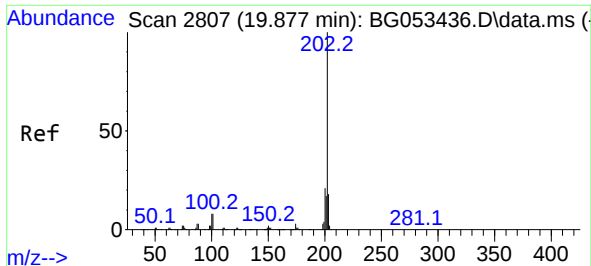
Supervised By :Jagrut
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.645 min Scan# 3176
Delta R.T. 0.006 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

Tgt Ion:240 Resp: 165583
Ion Ratio Lower Upper
240 100
120 6.1 4.6 7.0
236 24.5 20.2 30.4





#78
Pyrene
Concen: 46.179 ng
RT: 19.794 min Scan# 2861
Delta R.T. 0.006 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

Instrument :

BNA_G

ClientSampleId :

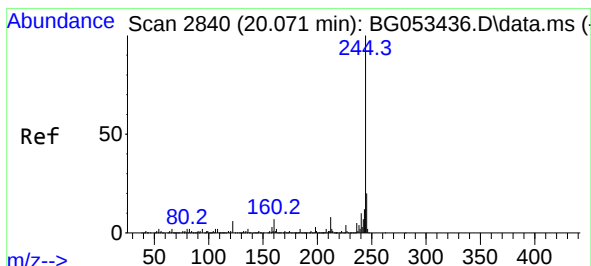
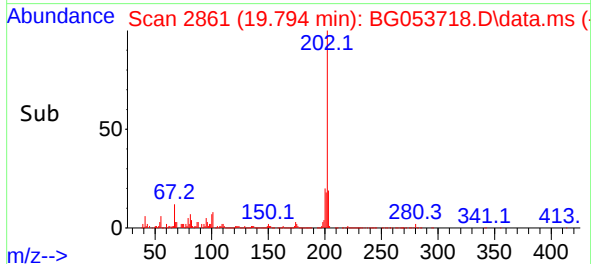
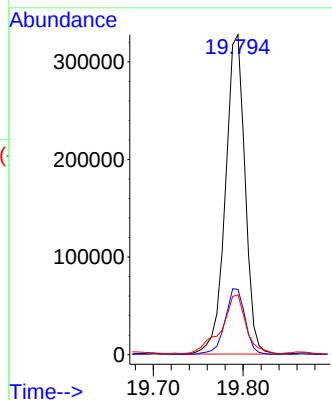
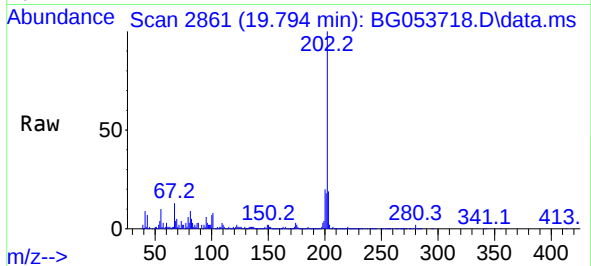
BU-03-052322DL

Tgt Ion:202 Resp: 49499
Ion Ratio Lower Upper
202 100
200 20.4 16.6 24.8
203 18.7 14.6 21.8

Manual Integrations
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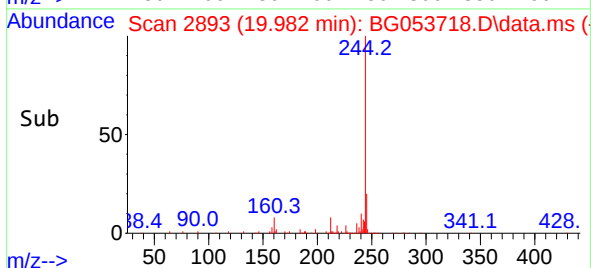
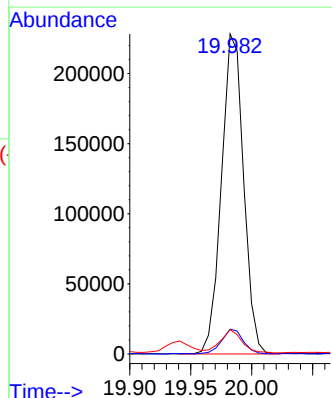
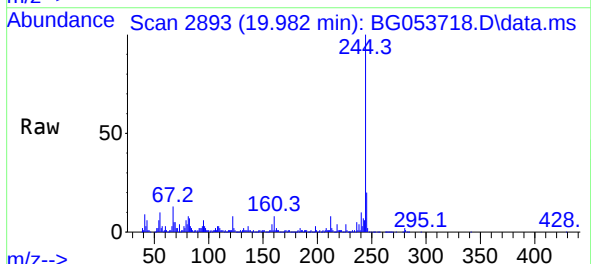
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022

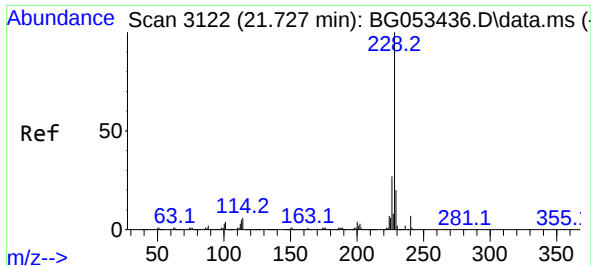
Supervised By :Jagrut
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#79
Terphenyl-d14
Concen: 32.398 ng
RT: 19.982 min Scan# 2893
Delta R.T. 0.006 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

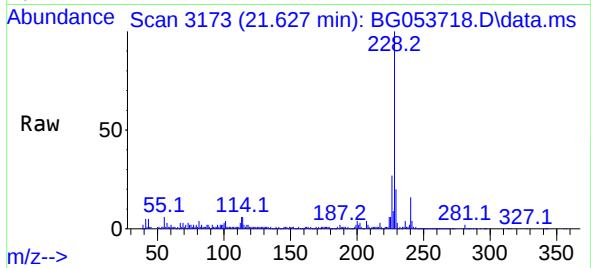
Tgt Ion:244 Resp: 288035
Ion Ratio Lower Upper
244 100
212 7.8 6.5 9.7
122 7.6 5.0 7.4#





#81
Benzo(a)anthracene
Concen: 24.546 ng
RT: 21.627 min Scan# 3117
Delta R.T. 0.012 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

Instrument :
BNA_G
ClientSampleId :
BU-03-052322DL

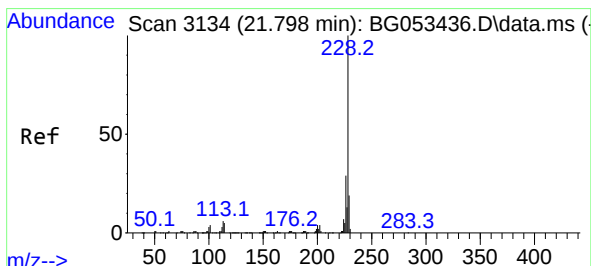
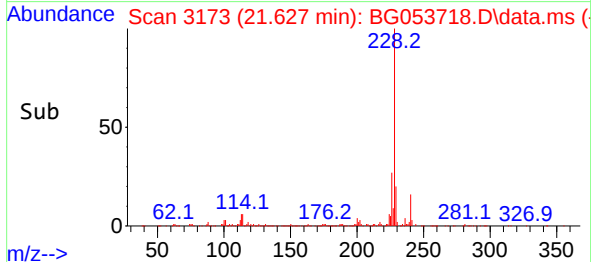
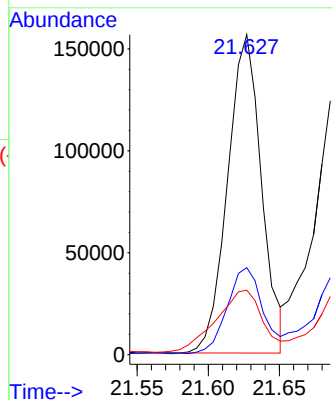


Tgt Ion:228 Resp: 25923
Ion Ratio Lower Upper
228 100
226 27.2 21.6 32.4
229 20.2 16.2 24.2

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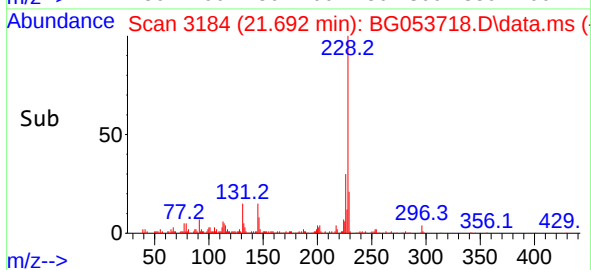
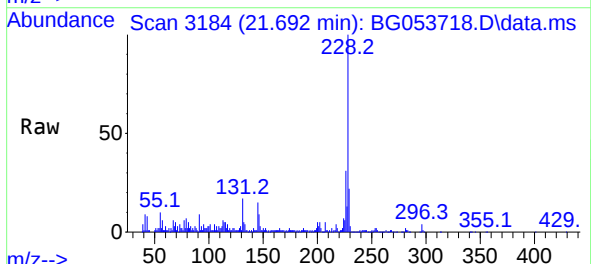
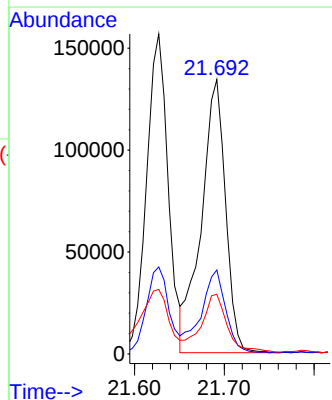
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022

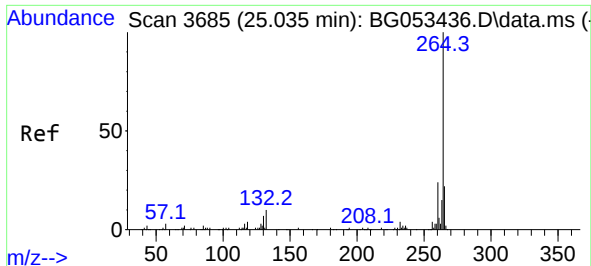
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#83
Chrysene
Concen: 25.465 ng
RT: 21.692 min Scan# 3184
Delta R.T. 0.006 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

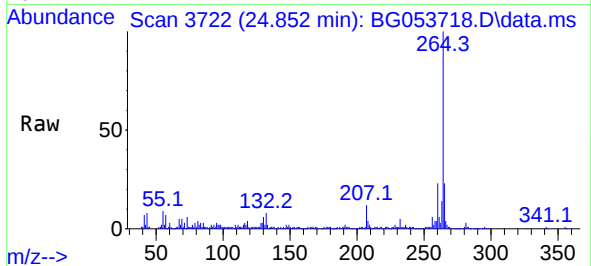
Tgt Ion:228 Resp: 251181
Ion Ratio Lower Upper
228 100
226 30.6 23.4 35.2
229 21.8 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.852 min Scan# 31
Delta R.T. 0.012 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

Instrument :
BNA_G
ClientSampleId :
BU-03-052322DL

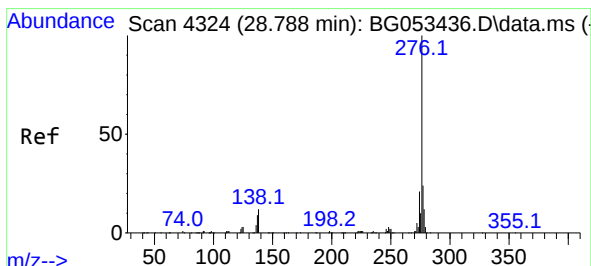
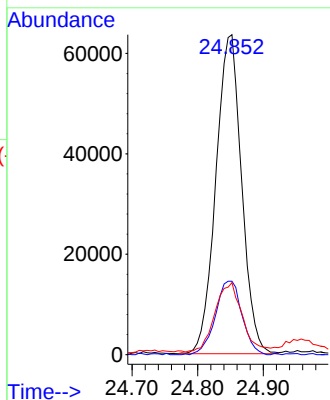
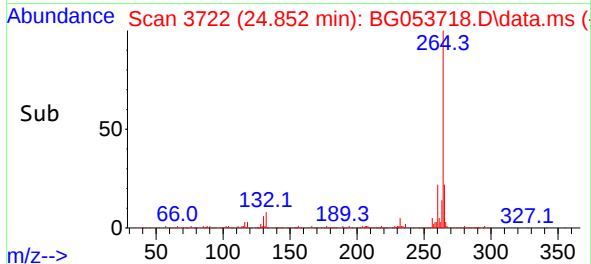


Tgt Ion:264 Resp: 172662
Ion Ratio Lower Upper
264 100
260 22.9 19.0 28.6
265 22.5 17.4 26.2

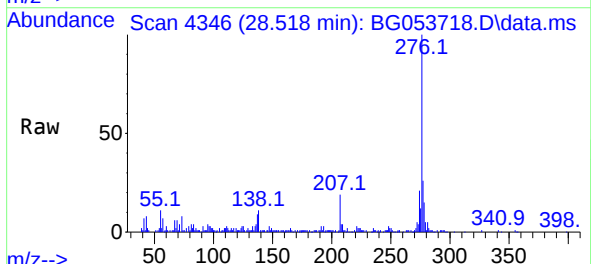
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Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022

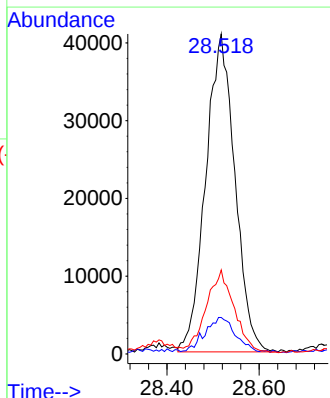
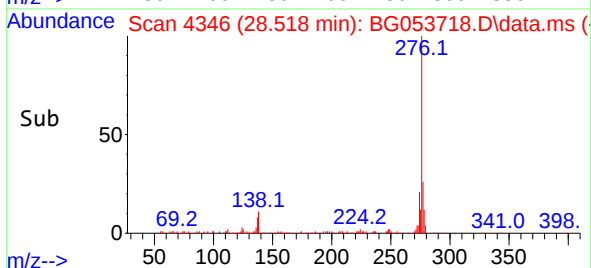
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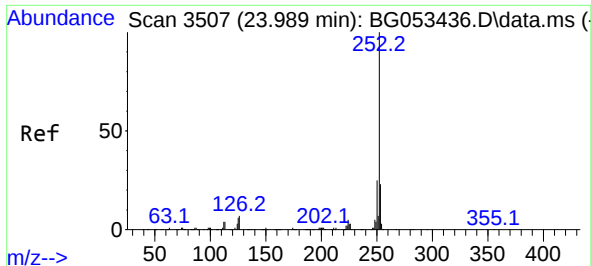


#87
Indeno(1,2,3-cd)pyrene
Concen: 14.974 ng
RT: 28.518 min Scan# 4346
Delta R.T. 0.006 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45



Tgt Ion:276 Resp: 180065
Ion Ratio Lower Upper
276 100
138 10.9 5.0 7.4#
277 25.0 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 34.224 ng
RT: 23.836 min Scan# 3549
Delta R.T. 0.012 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

Instrument :

BNA_G

ClientSampleId :

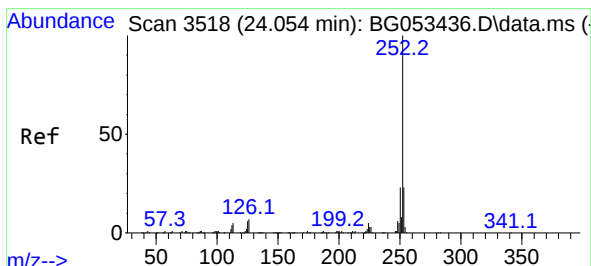
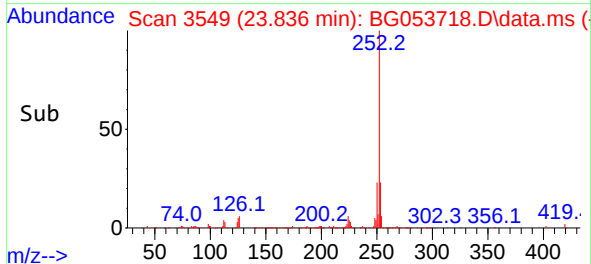
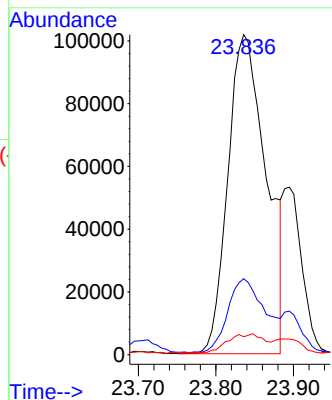
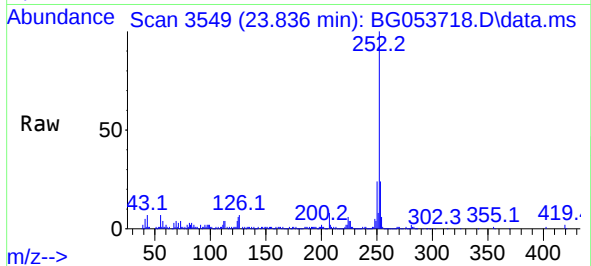
BU-03-052322DL

Tgt Ion:252 Resp: 349774
Ion Ratio Lower Upper
252 100
253 23.8 18.0 27.0
125 5.6 4.6 6.8

Manual Integrations
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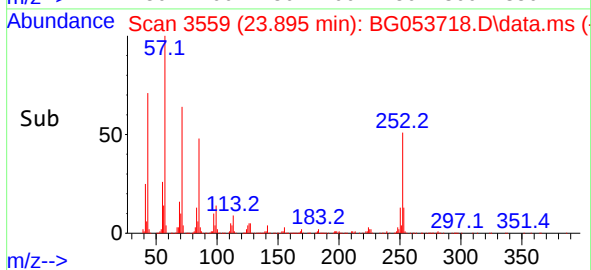
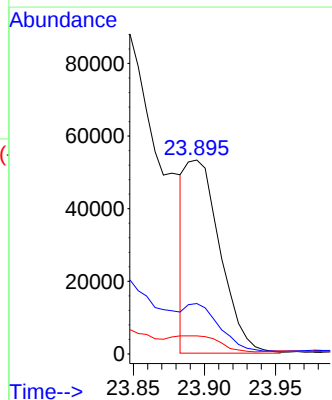
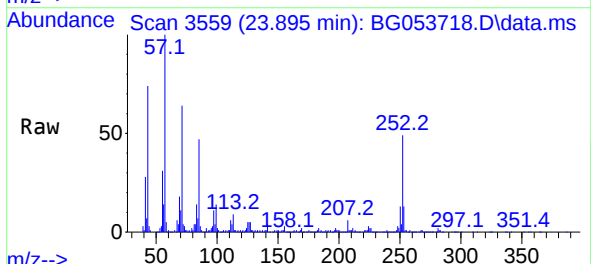
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022

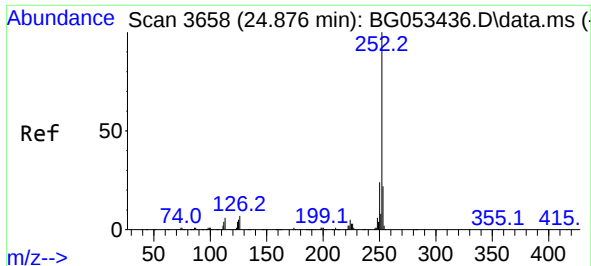
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#89
Benzo(k)fluoranthene
Concen: 8.899 ng m
RT: 23.895 min Scan# 3559
Delta R.T. 0.006 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

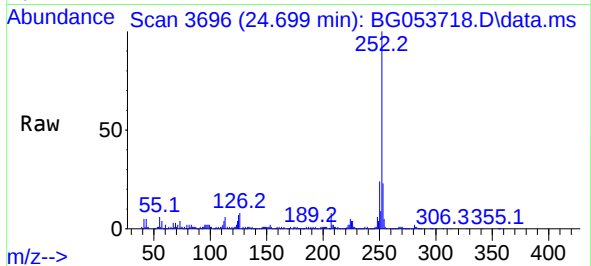
Tgt Ion:252 Resp: 89375
Ion Ratio Lower Upper
252 100
253 26.0 18.4 27.6
125 9.3 4.8 7.2#





#90
Benzo(a)pyrene
Concen: 29.686 ng
RT: 24.699 min Scan# 30
Delta R.T. 0.012 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

Instrument :
BNA_G
ClientSampleId :
BU-03-052322DL

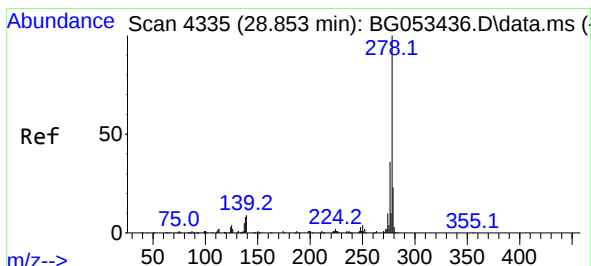
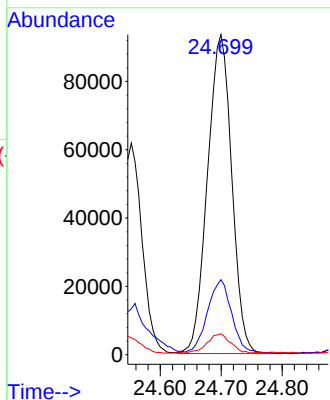
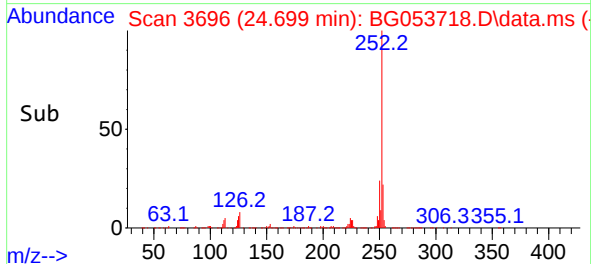


Tgt Ion:252 Resp: 258230
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 6.5 4.3 6.5

Manual Integrations
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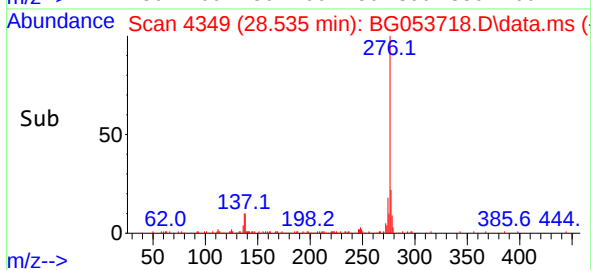
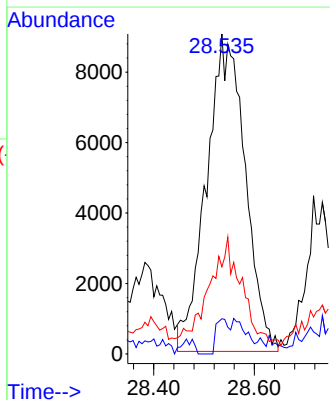
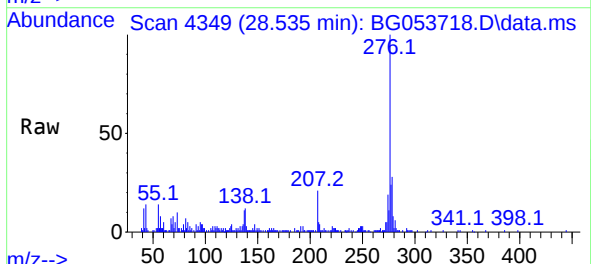
Reviewed By :Christian Giraldo 05/27/2022
Supervised By :Jagrut Upadhyay 05/27/2022

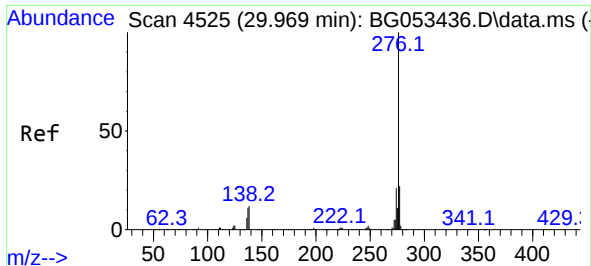
Supervised By :Jagrut
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#91
Dibenzo(a,h)anthracene
Concen: 4.840 ng m
RT: 28.535 min Scan# 4349
Delta R.T. -0.017 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

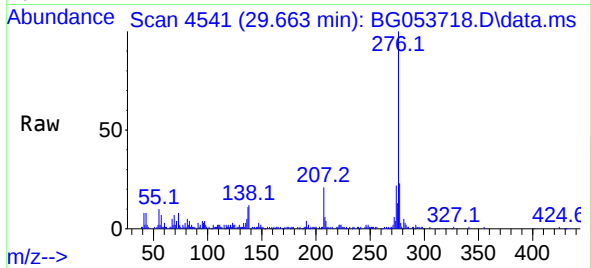
Tgt Ion:278 Resp: 47964
Ion Ratio Lower Upper
278 100
139 11.0 7.2 10.8#
279 27.3 18.6 27.8





#92
Benzo(g,h,i)perylene
Concen: 18.100 ng
RT: 29.663 min Scan# 4541
Delta R.T. 0.012 min
Lab File: BG053718.D
Acq: 26 May 2022 15:45

Instrument :
BNA_G
ClientSampleId :
BU-03-052322DL



Tgt Ion:276 Resp: 177780
Ion Ratio Lower Upper
276 100
277 22.6 17.3 25.9
138 11.9 9.6 14.4

Manual Integrations
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Supervised By :Jagrut Upadhyay 05/27/2022

Supervised By :Jagrut
Upadhyay
05/27/2022

