

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100422\
 Data File : BG055065.D
 Acq On : 4 Oct 2022 16:11
 Operator : CG/JU
 Sample : N4947-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-093022

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/05/2022
 Supervised By :mohammad ahmed 10/06/2022

Quant Time: Oct 05 00:32:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 04 07:12:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.340	152	35220	20.000	ng	0.00
21) Naphthalene-d8	11.172	136	152325	20.000	ng	0.00
39) Acenaphthene-d10	14.944	164	100048	20.000	ng	0.00
64) Phenanthrene-d10	17.682	188	210278	20.000	ng	0.00
76) Chrysene-d12	21.977	240	198492	20.000	ng	0.00
86) Perylene-d12	25.432	264	210808	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.861	112	46441	29.288	ng	0.00
7) Phenol-d6	7.465	99	64487	27.143	ng	0.00
23) Nitrobenzene-d5	9.510	82	36602	14.358	ng	0.00
42) 2,4,6-Tribromophenol	16.419	330	24283	28.521	ng	0.00
45) 2-Fluorobiphenyl	13.575	172	101064	15.770	ng	0.00
79) Terphenyl-d14	20.256	244	156508	15.937	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.723	178	81933	7.418	ng	99
72) Anthracene	17.812	178	22262	2.072	ng	99
75) Fluoranthene	19.709	202	193066	14.011	ng	100
78) Pyrene	20.068	202	192481	14.583	ng	99
81) Benzo(a)anthracene	21.954	228	108612	8.614	ng	100
83) Chrysene	22.024	228	98796	8.129	ng	97
87) Indeno(1,2,3-cd)pyrene	29.410	276	68533	4.505	ng	# 95
88) Benzo(b)fluoranthene	24.328	252	136577	10.996	ng	99
89) Benzo(k)fluoranthene	24.398	252	49976m	3.994	ng	
90) Benzo(a)pyrene	25.273	252	105714	9.930	ng	98
92) Benzo(g,h,i)perylene	30.661	276	72068m	5.809	ng	

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

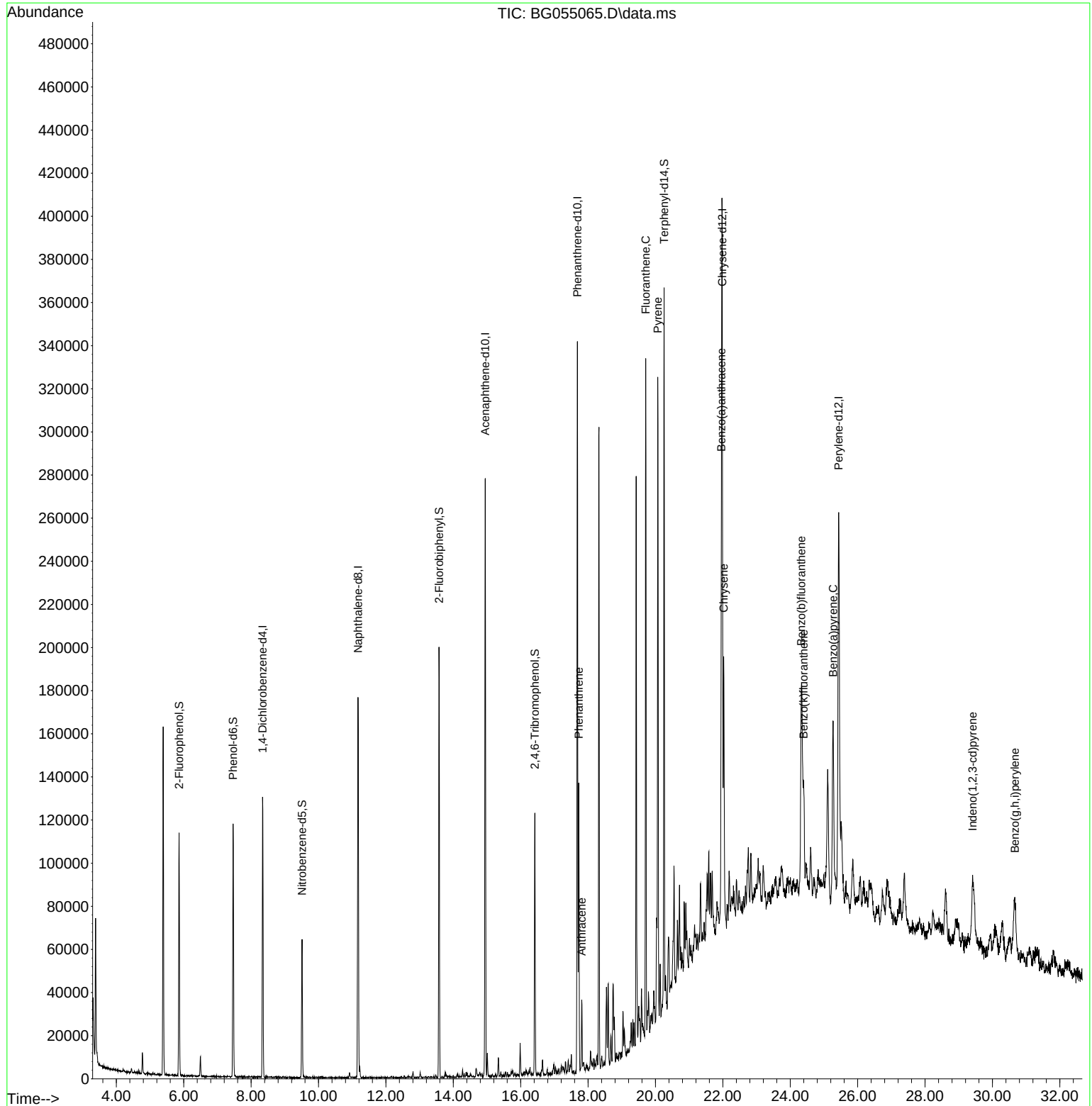
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100422\
Data File : BG055065.D
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Operator : CG/JU
Sample : N4947-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

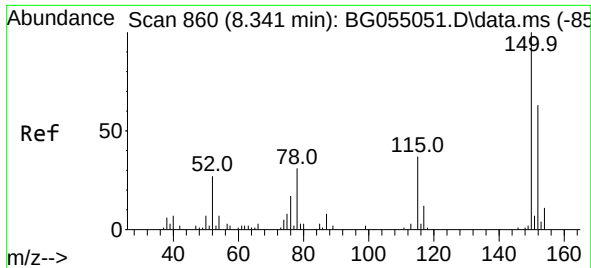
Instrument :
BNA_G
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Quant Time: Oct 05 00:32:03 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100322.M
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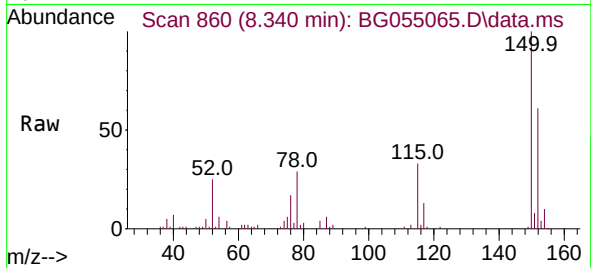
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Supervised By :mohammad ahmed 10/06/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.340 min Scan# 860
Delta R.T. -0.001 min
Lab File: BG055065.D
Acq: 4 Oct 2022 16:11

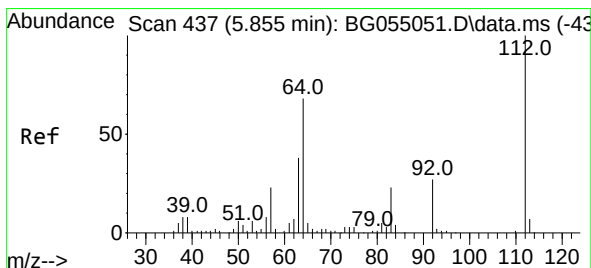
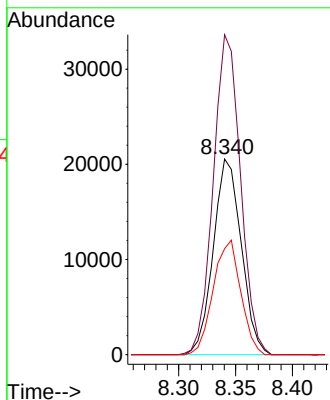
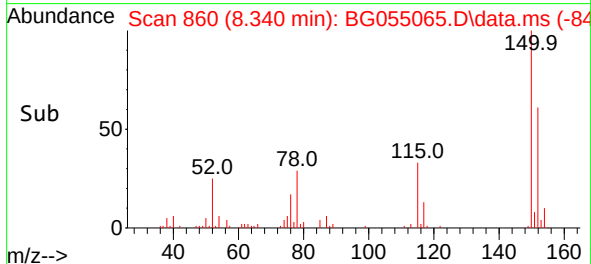
Instrument :
BNA_G
ClientSampleId :
CL-02-093022



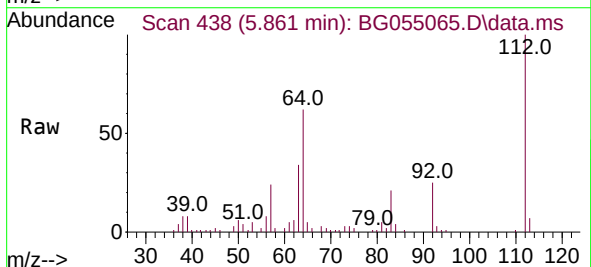
Tgt Ion:152 Resp: 35220
Ion Ratio Lower Upper
152 100
150 163.6 128.0 192.0
115 54.1 47.7 71.5

Manual Integrations
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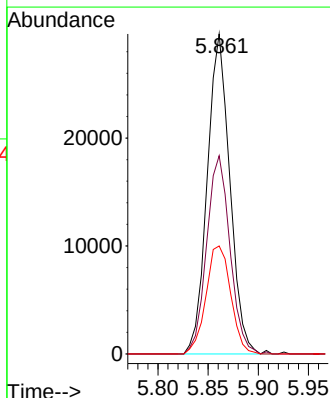
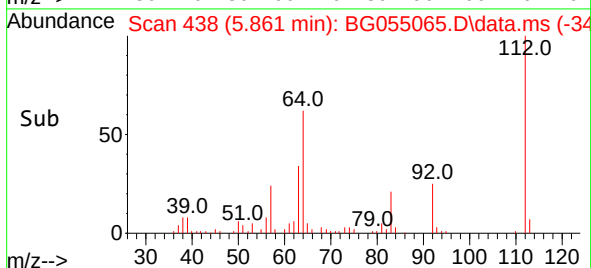
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Supervised By :mohammad ahmed 10/06/2022

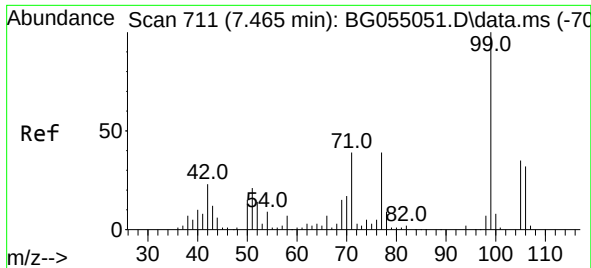


#5
2-Fluorophenol
Concen: 29.288 ng
RT: 5.861 min Scan# 438
Delta R.T. 0.006 min
Lab File: BG055065.D
Acq: 4 Oct 2022 16:11



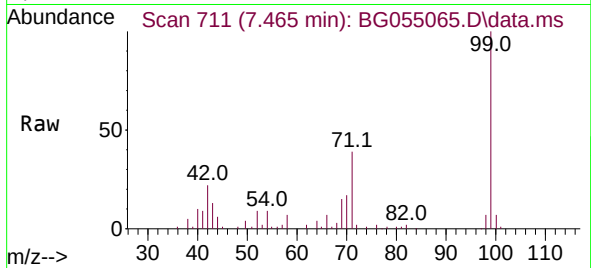
Tgt Ion:112 Resp: 46441
Ion Ratio Lower Upper
112 100
64 61.9 54.5 81.7
63 33.7 30.5 45.7





#7
Phenol-d6
Concen: 27.143 ng
RT: 7.465 min Scan# 711
Delta R.T. -0.000 min
Lab File: BG055065.D
Acq: 4 Oct 2022 16:11

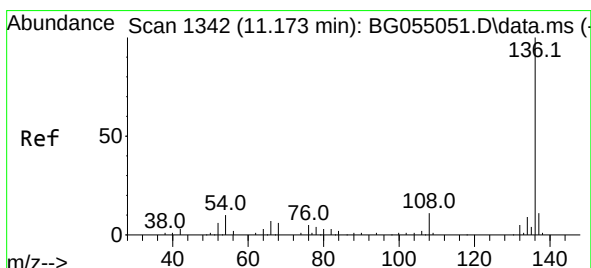
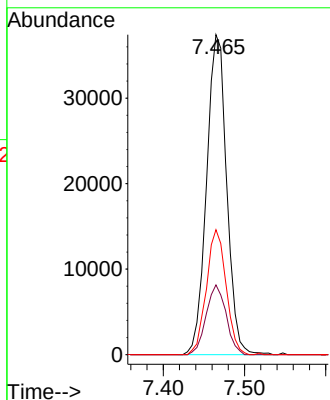
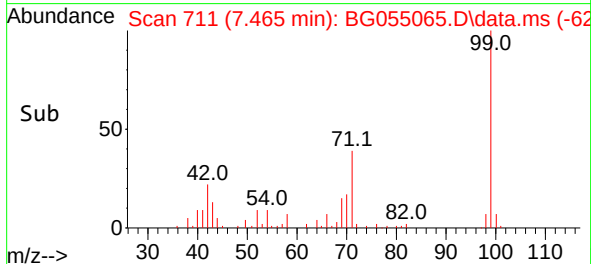
Instrument :
BNA_G
ClientSampleId :
CL-02-093022



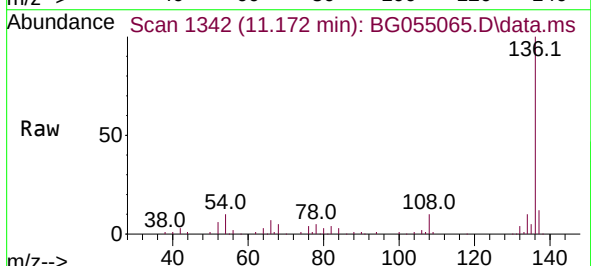
Tgt Ion: 99 Resp: 6448
Ion Ratio Lower Upper
99 100
42 21.8 18.6 28.0
71 39.0 31.2 46.8

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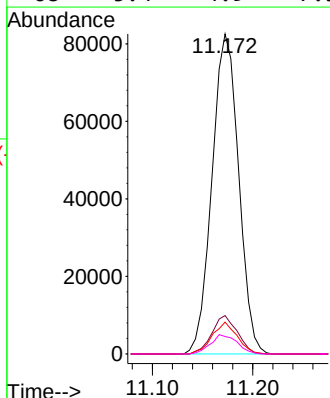
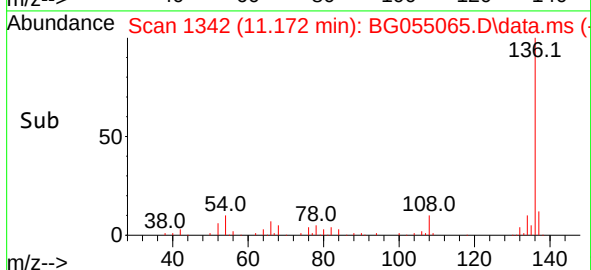
Reviewed By :Jagrut Upadhyay 10/05/2022
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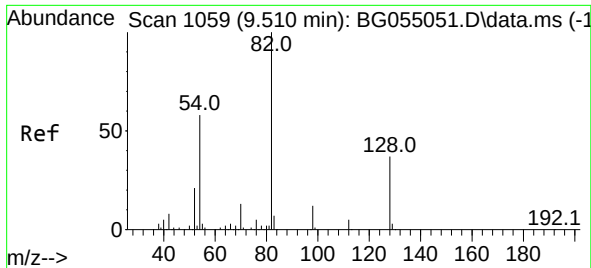


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.172 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BG055065.D
Acq: 4 Oct 2022 16:11



Tgt Ion:136 Resp: 152325
Ion Ratio Lower Upper
136 100
137 12.0 8.7 13.1
54 9.9 8.2 12.4
68 5.4 4.9 7.3





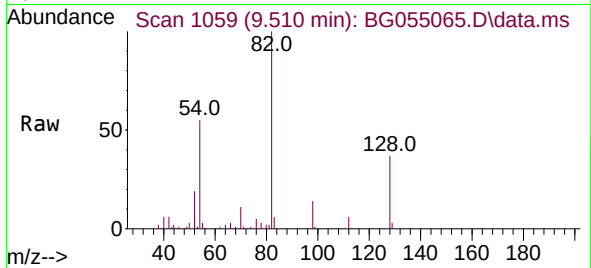
#23
Nitrobenzene-d5
Concen: 14.358 ng
RT: 9.510 min Scan# 1059
Delta R.T. -0.000 min
Lab File: BG055065.D
Acq: 4 Oct 2022 16:11

Instrument :

BNA_G

ClientSampleId :

CL-02-093022

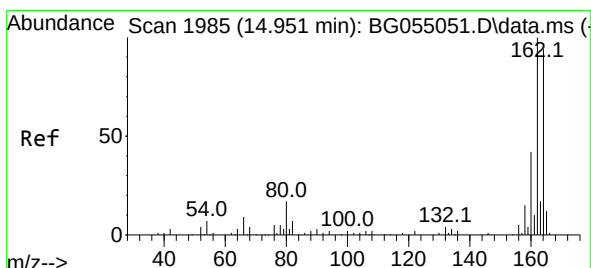
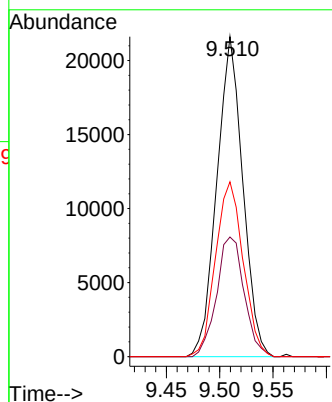
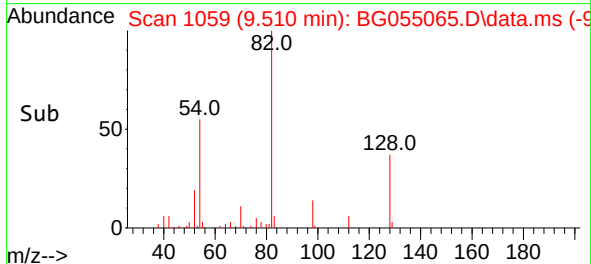


Tgt Ion: 82 Resp: 36602
Ion Ratio Lower Upper
82 100
128 37.4 29.5 44.3
54 54.6 46.7 70.1

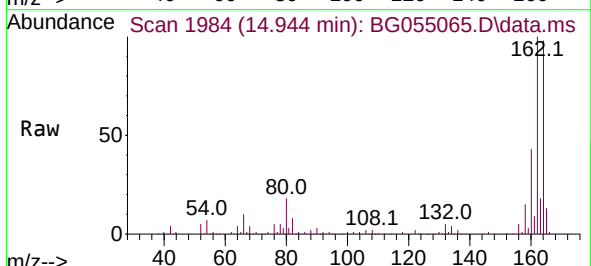
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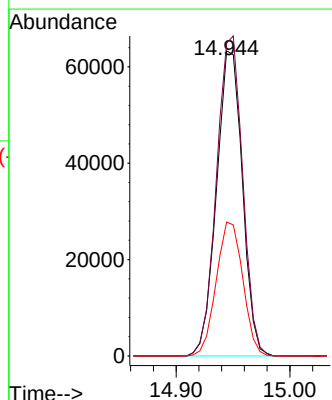
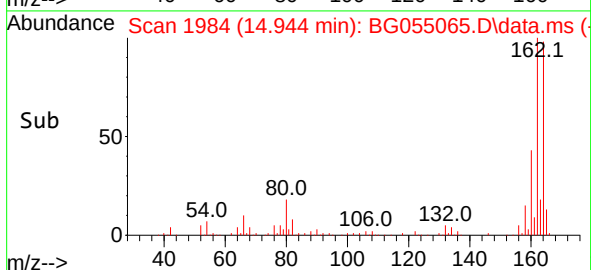
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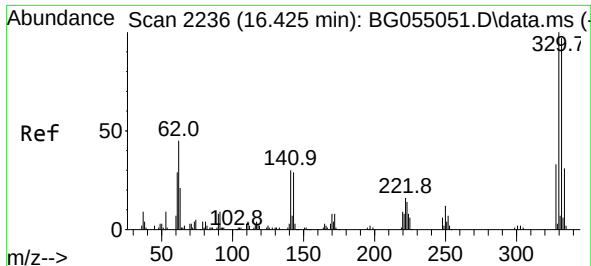


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.944 min Scan# 1984
Delta R.T. -0.006 min
Lab File: BG055065.D
Acq: 4 Oct 2022 16:11



Tgt Ion:164 Resp: 100048
Ion Ratio Lower Upper
164 100
162 102.5 85.5 128.3
160 43.9 35.5 53.3





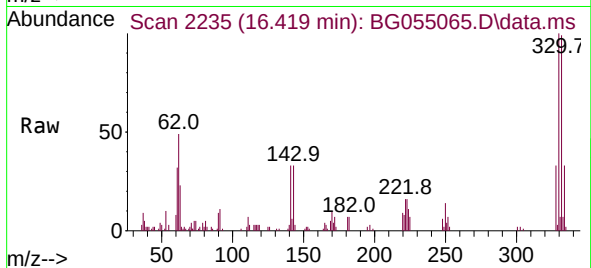
#42
2,4,6-Tribromophenol
Concen: 28.521 ng
RT: 16.419 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG055065.D
Acq: 4 Oct 2022 16:11

Instrument :

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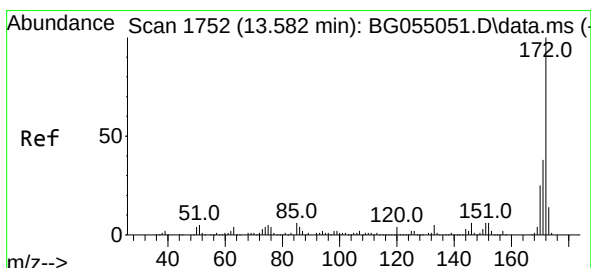
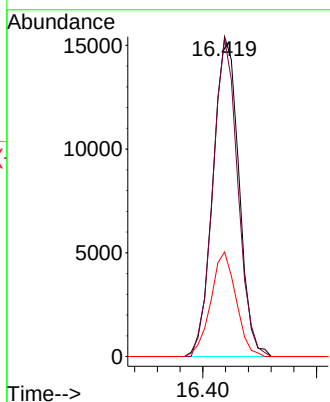
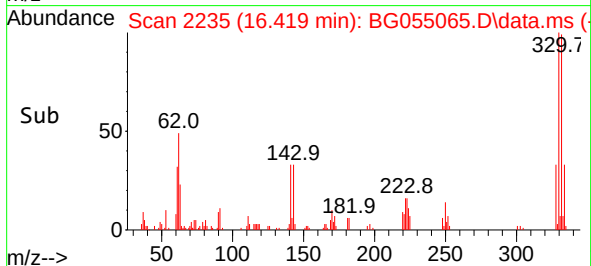


Tgt Ion:330 Resp: 24283
Ion Ratio Lower Upper
330 100
332 95.8 77.4 116.0
141 32.0 25.0 37.4

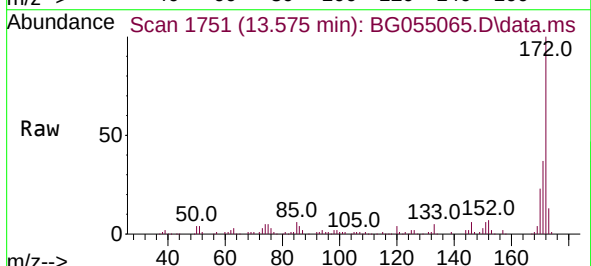
Manual Integrations

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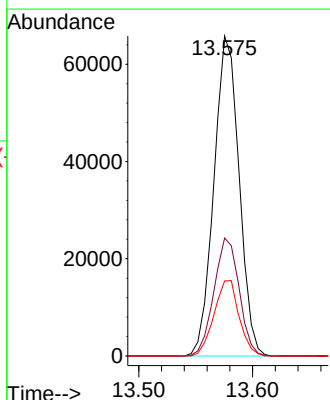
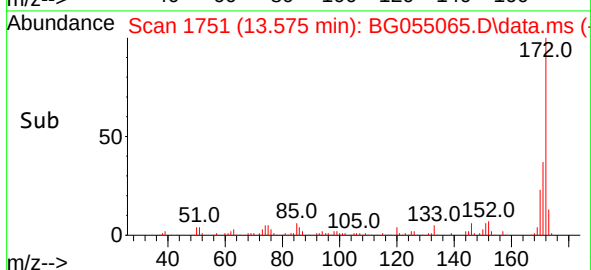
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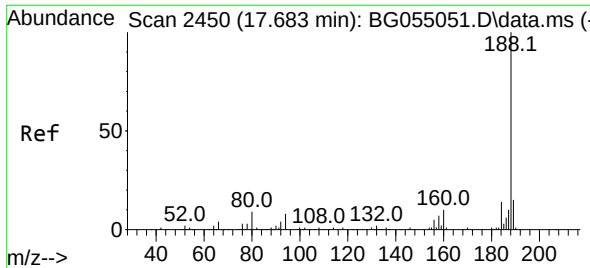


#45
2-Fluorobiphenyl
Concen: 15.770 ng
RT: 13.575 min Scan# 1751
Delta R.T. -0.007 min
Lab File: BG055065.D
Acq: 4 Oct 2022 16:11



Tgt Ion:172 Resp: 101064
Ion Ratio Lower Upper
172 100
171 36.8 30.1 45.1
170 23.4 20.0 30.0





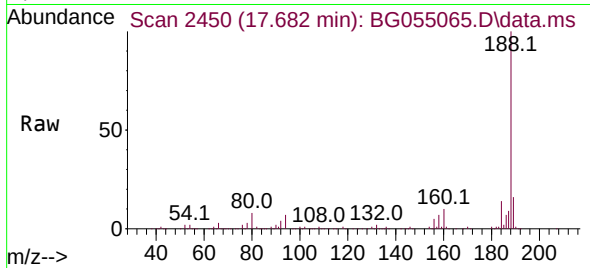
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.682 min Scan# 2450
Delta R.T. -0.000 min
Lab File: BG055065.D
Acq: 4 Oct 2022 16:11

Instrument :

BNA_G

ClientSampleId :

CL-02-093022

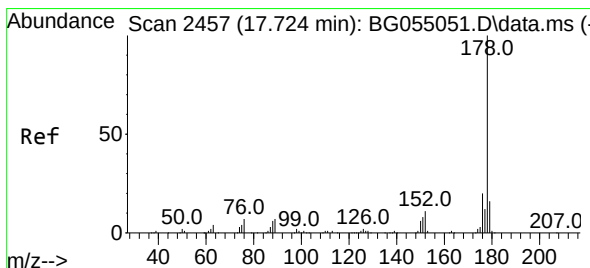
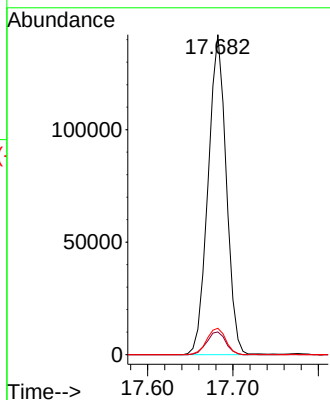
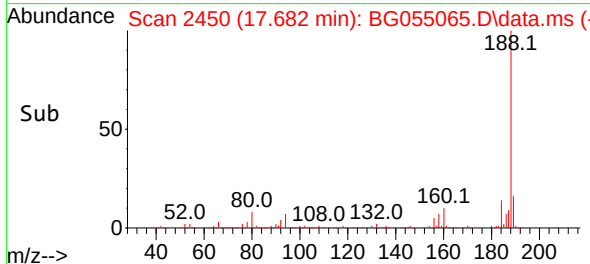


Tgt Ion:188 Resp: 210278
Ion Ratio Lower Upper
188 100
94 7.1 6.2 9.2
80 8.2 7.2 10.8

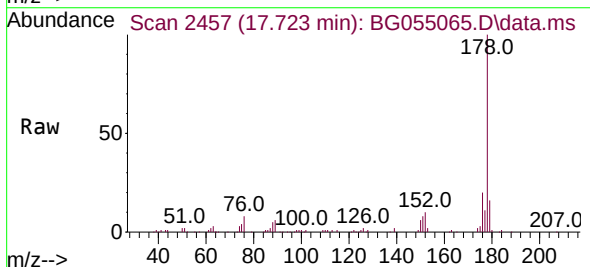
Manual Integrations

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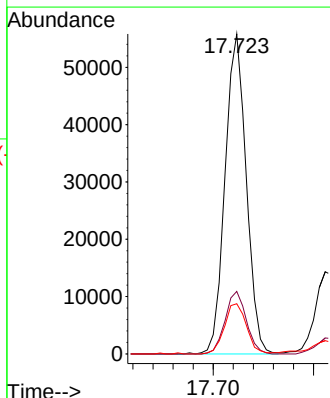
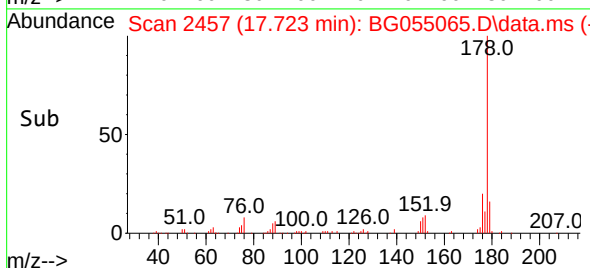
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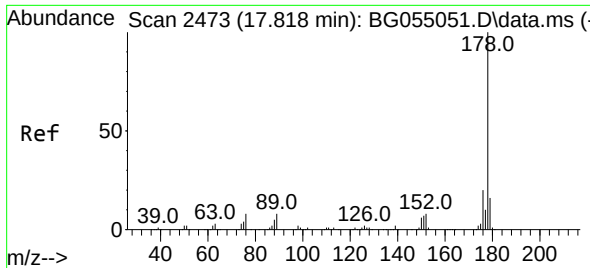


#71
Phenanthrene
Concen: 7.418 ng
RT: 17.723 min Scan# 2457
Delta R.T. -0.000 min
Lab File: BG055065.D
Acq: 4 Oct 2022 16:11



Tgt Ion:178 Resp: 81933
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.6
179 15.7 13.2 19.8





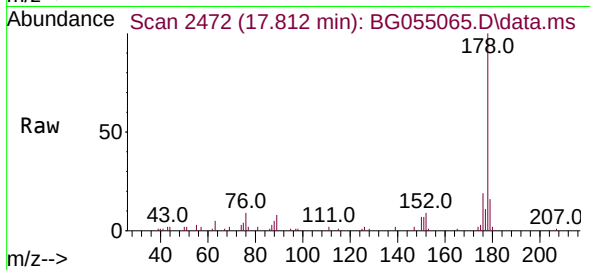
#72
 Anthracene
 Concen: 2.072 ng
 RT: 17.812 min Scan# 2473
 Delta R.T. -0.006 min
 Lab File: BG055065.D
 Acq: 4 Oct 2022 16:11

Instrument :

BNA_G

ClientSampleId :

CL-02-093022

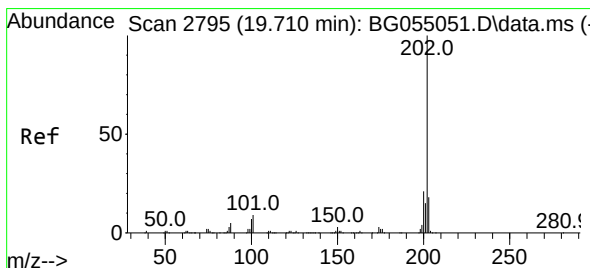
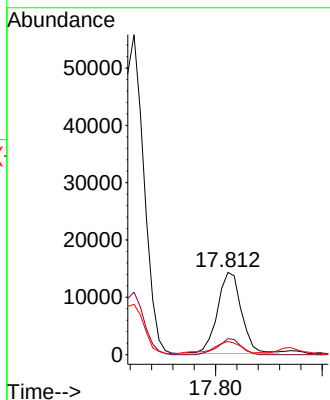
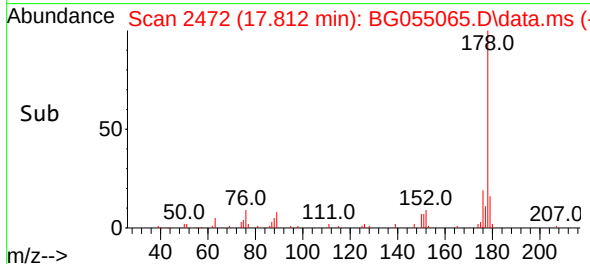


Tgt Ion:178 Resp: 22262
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.7 23.5
 179 16.1 12.5 18.7

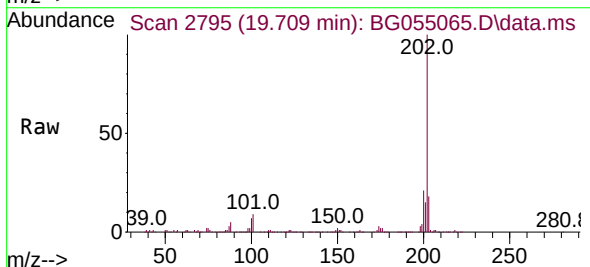
Manual Integrations

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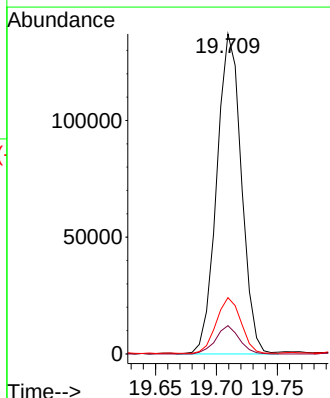
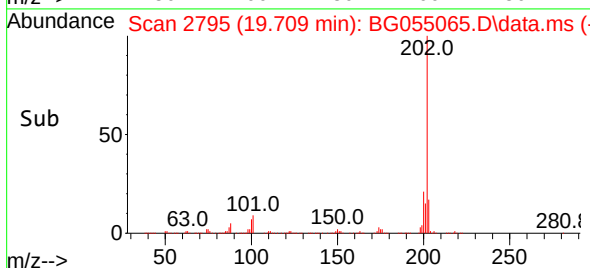
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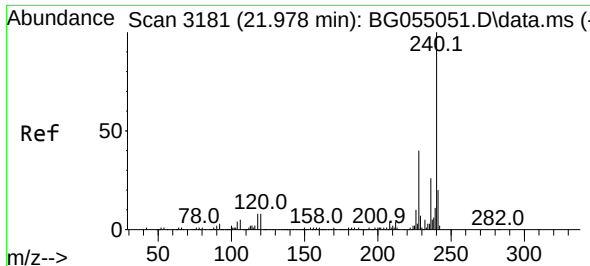


#75
 Fluoranthene
 Concen: 14.011 ng
 RT: 19.709 min Scan# 2795
 Delta R.T. -0.000 min
 Lab File: BG055065.D
 Acq: 4 Oct 2022 16:11



Tgt Ion:202 Resp: 193066
 Ion Ratio Lower Upper
 202 100
 101 8.8 0.0 28.9
 203 17.6 0.0 37.7





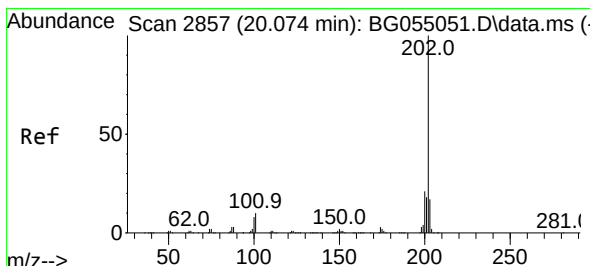
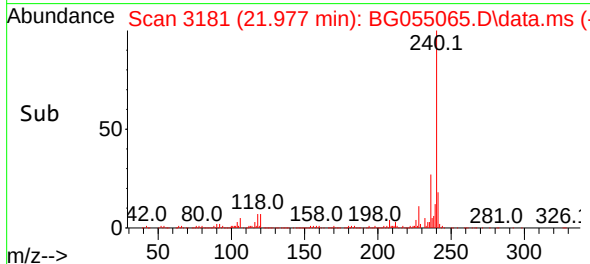
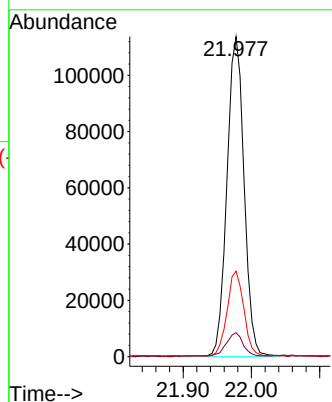
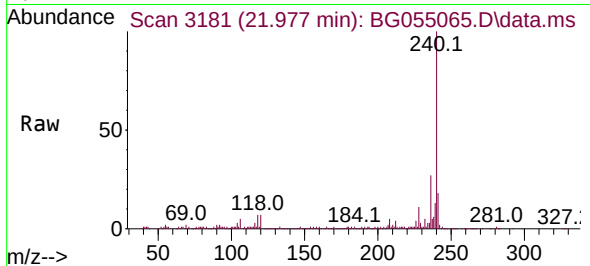
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Chrysene-d12
Concen: 20.000 ng
RT: 21.977 min Scan# 3181
Delta R.T. -0.000 min
Lab File: BG055065.D
Acq: 4 Oct 2022 16:11

Instrument :
BNA_G
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CL-02-093022

Tgt Ion:240 Resp: 198492
Ion Ratio Lower Upper
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120 7.5 6.2 9.4
236 26.7 20.6 30.8

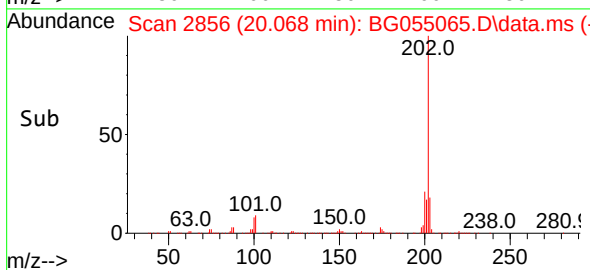
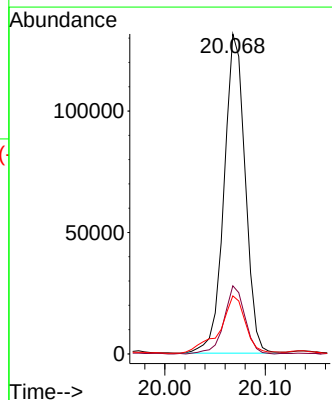
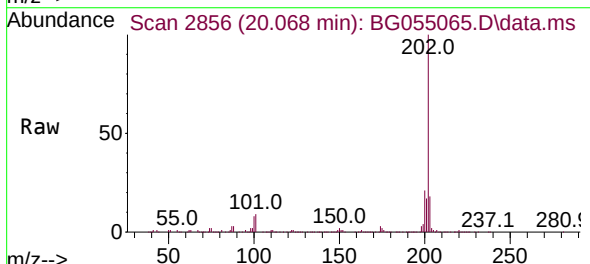
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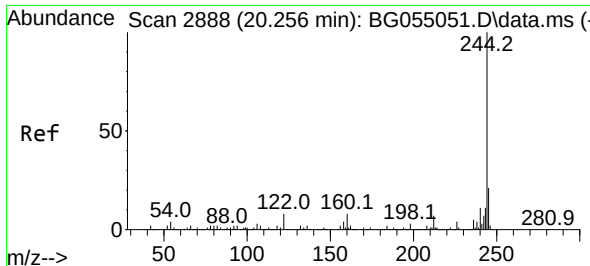
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022



#78
Pyrene
Concen: 14.583 ng
RT: 20.068 min Scan# 2856
Delta R.T. -0.006 min
Lab File: BG055065.D
Acq: 4 Oct 2022 16:11

Tgt Ion:202 Resp: 192481
Ion Ratio Lower Upper
202 100
200 21.3 16.6 25.0
203 18.1 14.0 21.0





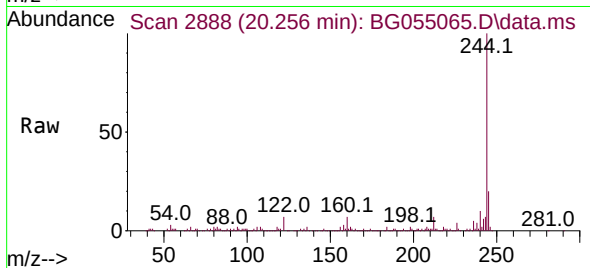
#79
 Terphenyl-d14
 Concen: 15.937 ng
 RT: 20.256 min Scan# 2888
 Delta R.T. -0.000 min
 Lab File: BG055065.D
 Acq: 4 Oct 2022 16:11

Instrument :

BNA_G

ClientSampleId :

CL-02-093022

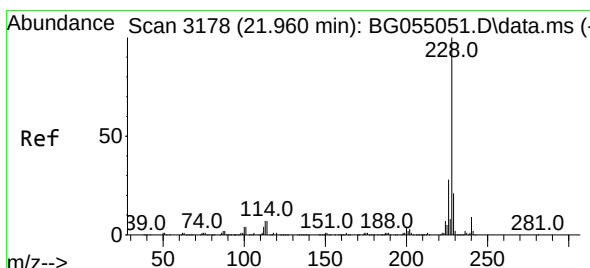
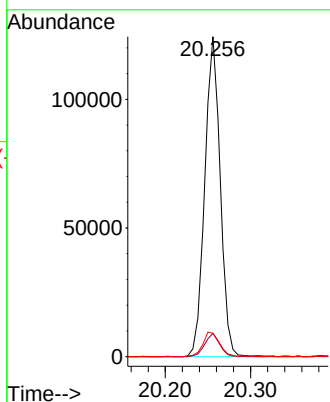
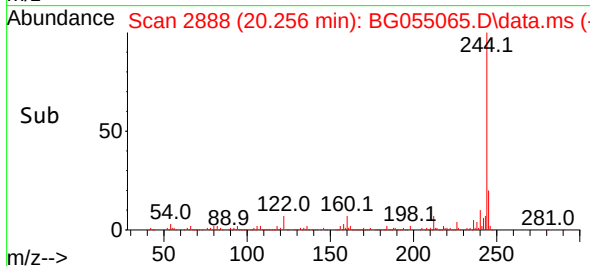


Tgt Ion:244 Resp: 156508
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 7.3 6.6 10.0

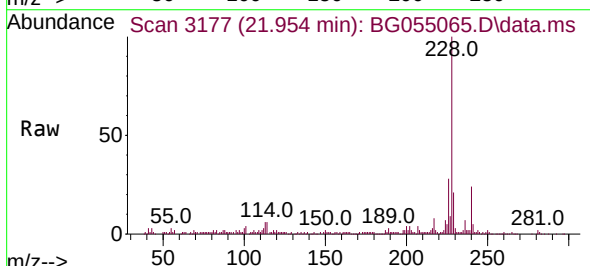
Manual Integrations

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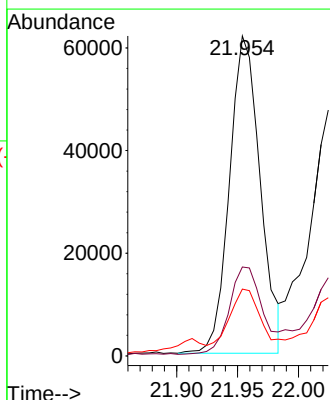
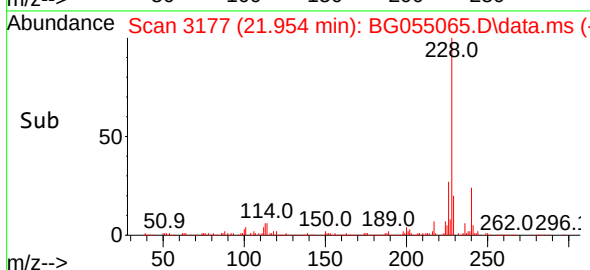
Reviewed By :Jagrut Upadhyay 10/05/2022
 Supervised By :mohammad ahmed 10/06/2022

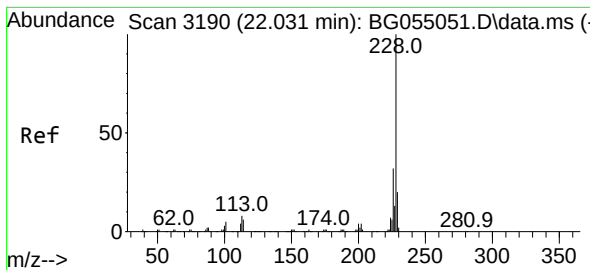


#81
 Benzo(a)anthracene
 Concen: 8.614 ng
 RT: 21.954 min Scan# 3177
 Delta R.T. -0.006 min
 Lab File: BG055065.D
 Acq: 4 Oct 2022 16:11



Tgt Ion:228 Resp: 108612
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.4 33.6
 229 20.9 16.7 25.1





#83

Chrysene

Concen: 8.129 ng

RT: 22.024 min Scan# 3190

Delta R.T. -0.006 min

Lab File: BG055065.D

Acq: 4 Oct 2022 16:11

Instrument :

BNA_G

ClientSampleId :

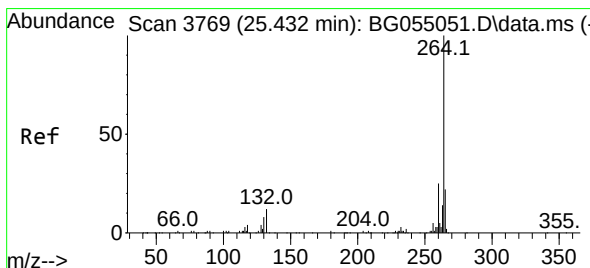
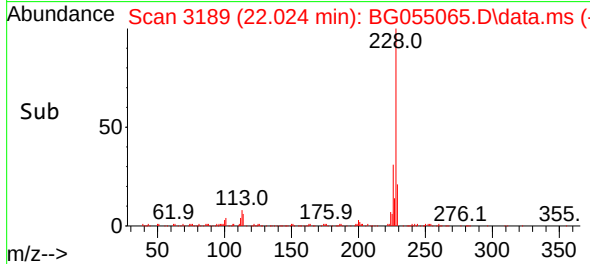
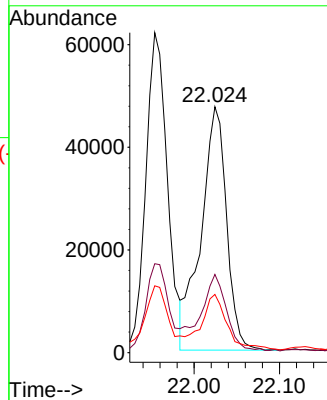
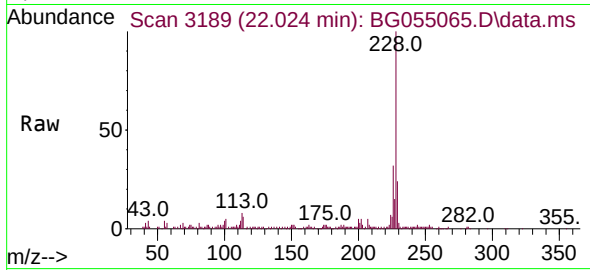
CL-02-093022

Tgt Ion:228 Resp: 98796
 Ion Ratio Lower Upper
 228 100
 226 31.8 25.3 37.9
 229 23.7 16.1 24.1

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Reviewed By :Jagrut Upadhyay 10/05/2022
 Supervised By :mohammad ahmed 10/06/2022



#86

Perylene-d12

Concen: 20.000 ng

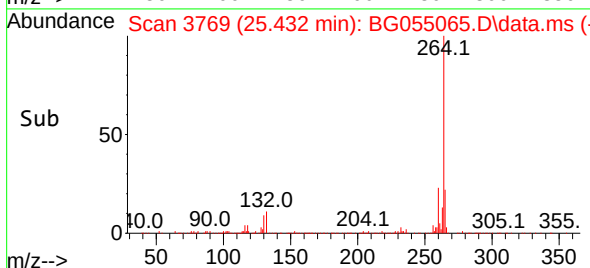
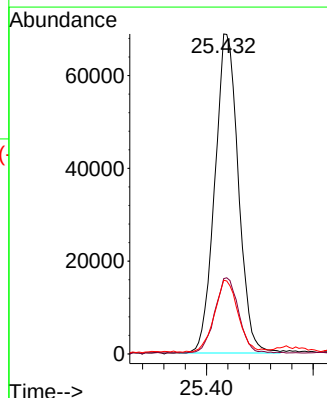
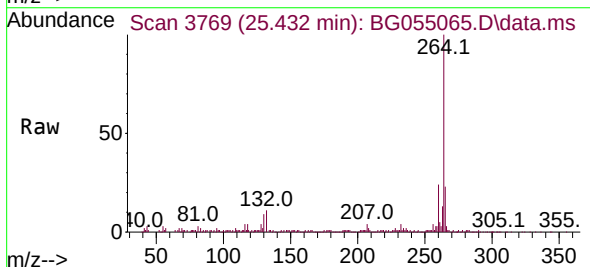
RT: 25.432 min Scan# 3769

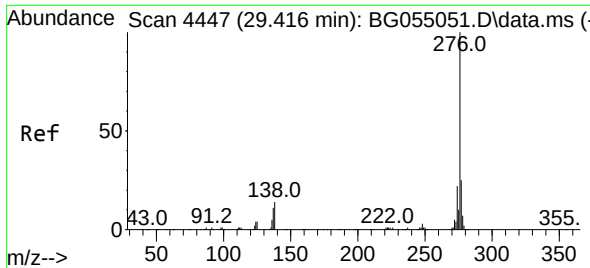
Delta R.T. -0.000 min

Lab File: BG055065.D

Acq: 4 Oct 2022 16:11

Tgt Ion:264 Resp: 210808
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.7 29.5
 265 23.0 17.8 26.6





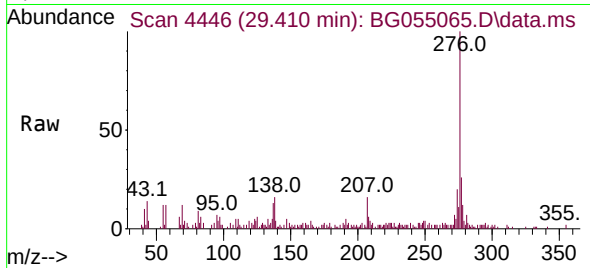
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.505 ng
 RT: 29.410 min Scan# 4446
 Delta R.T. -0.006 min
 Lab File: BG055065.D
 Acq: 4 Oct 2022 16:11

Instrument :

BNA_G

ClientSampleId :

CL-02-093022

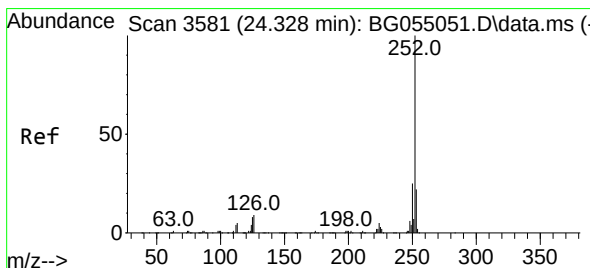
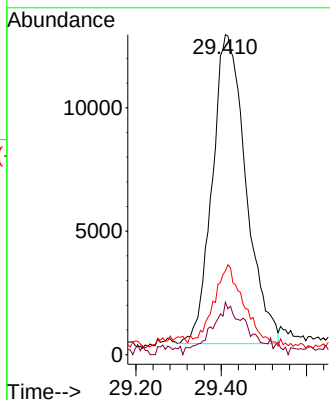
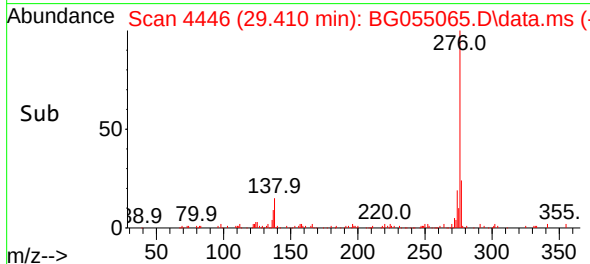


Tgt Ion:276 Resp: 68533
 Ion Ratio Lower Upper
 276 100
 138 17.0 10.0 15.0
 277 24.2 20.0 30.0

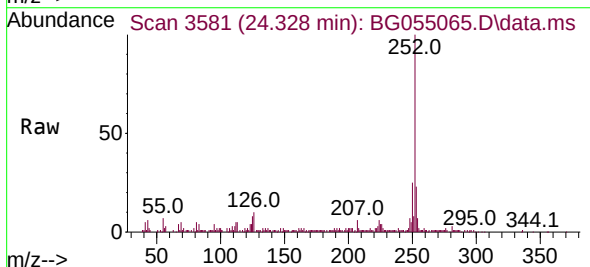
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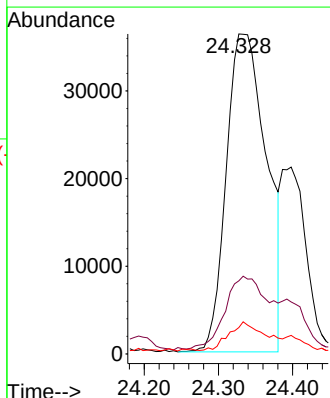
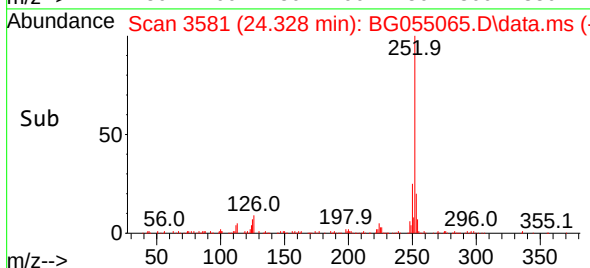
Reviewed By :Jagrut Upadhyay 10/05/2022
 Supervised By :mohammad ahmed 10/06/2022

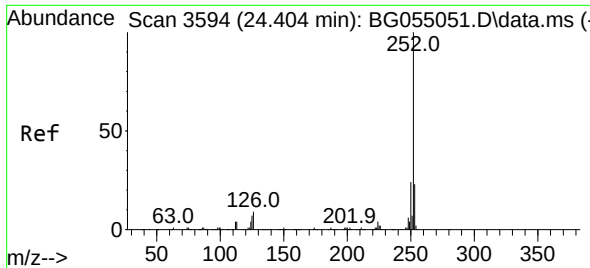


#88
 Benzo(b)fluoranthene
 Concen: 10.996 ng
 RT: 24.328 min Scan# 3581
 Delta R.T. -0.000 min
 Lab File: BG055065.D
 Acq: 4 Oct 2022 16:11



Tgt Ion:252 Resp: 136577
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.9 26.9
 125 8.3 6.1 9.1





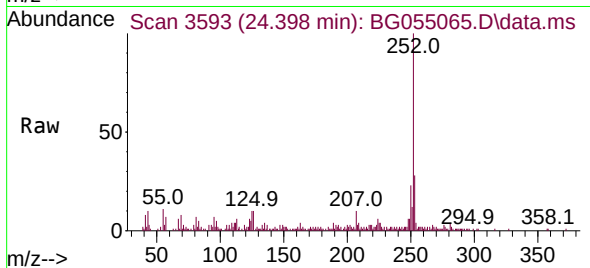
#89
Benzo(k)fluoranthene
Concen: 3.994 ng m
RT: 24.398 min Scan# 3594
Delta R.T. -0.006 min
Lab File: BG055065.D
Acq: 4 Oct 2022 16:11

Instrument :

BNA_G

ClientSampleId :

CL-02-093022

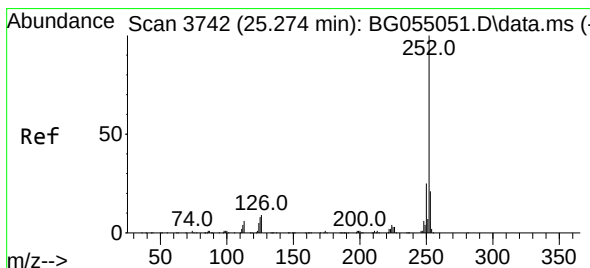
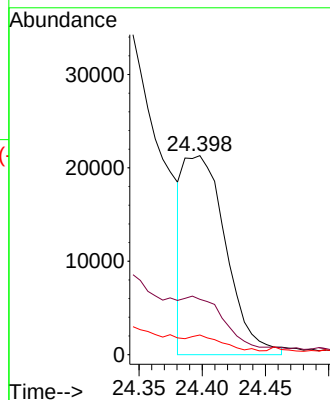
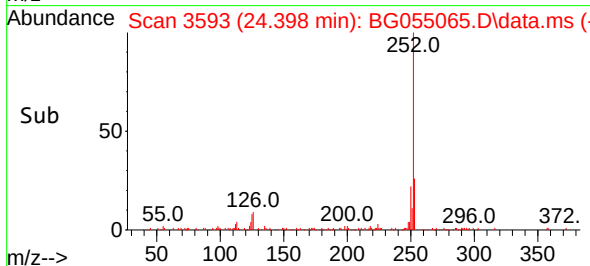


Tgt Ion:252 Resp: 49976
Ion Ratio Lower Upper
252 100
253 27.8 17.9 26.9
125 9.9 5.8 8.6

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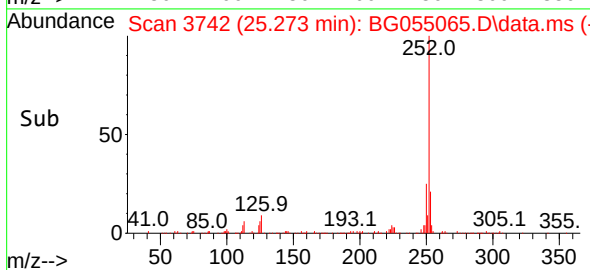
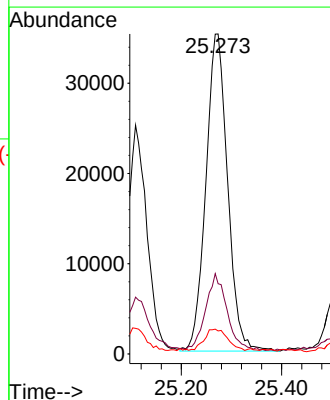
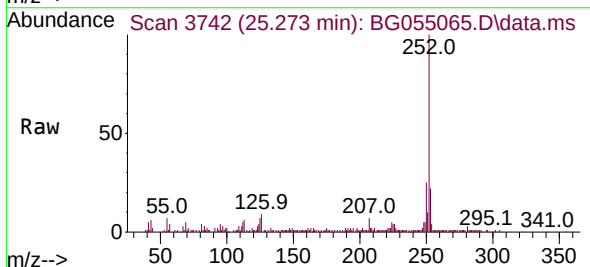
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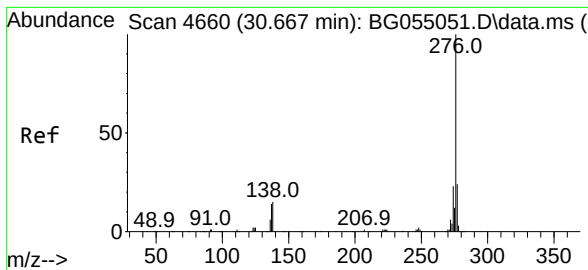
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022



#90
Benzo(a)pyrene
Concen: 9.930 ng
RT: 25.273 min Scan# 3742
Delta R.T. -0.000 min
Lab File: BG055065.D
Acq: 4 Oct 2022 16:11

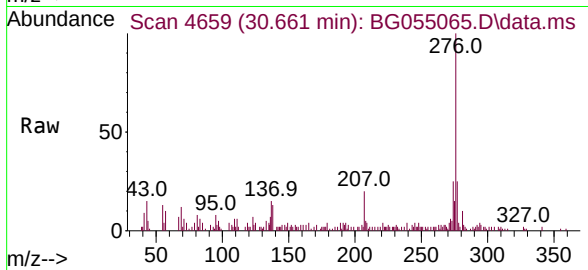
Tgt Ion:252 Resp: 105714
Ion Ratio Lower Upper
252 100
253 21.9 16.9 25.3
125 7.2 6.6 9.8





#92
 Benzo(g,h,i)perylene
 Concen: 5.809 ng m
 RT: 30.661 min Scan# 4659
 Delta R.T. -0.006 min
 Lab File: BG055065.D
 Acq: 4 Oct 2022 16:11

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-093022



Tgt Ion: 276 Resp: 72068

Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.8	28.2
138	12.8	11.8	17.6

Manual Integrations
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Reviewed By :Jagrut Upadhyay 10/05/2022
 Supervised By :mohammad ahmed 10/06/2022

