

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
 Data File : BG055999.D
 Acq On : 16 Dec 2022 18:29
 Operator : CG/JU
 Sample : N6038-18
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB-38-(0-2)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/19/2022
 Supervised By :mohammad ahmed 12/19/2022

Quant Time: Dec 17 01:24:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 01:18:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.372	152	7470	20.000	ng	0.00
21) Naphthalene-d8	11.204	136	27481	20.000	ng	# 0.00
39) Acenaphthene-d10	14.976	164	23898	20.000	ng	0.00
64) Phenanthrene-d10	17.714	188	70559	20.000	ng	0.00
76) Chrysene-d12	22.027	240	71058	20.000	ng	0.00
86) Perylene-d12	25.529	264	86374	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.893	112	35332	110.923	ng	0.00
7) Phenol-d6	7.503	99	42336	103.342	ng	0.00
23) Nitrobenzene-d5	9.542	82	28858	73.384	ng	0.00
42) 2,4,6-Tribromophenol	16.457	330	68413	118.721	ng	0.00
45) 2-Fluorobiphenyl	13.608	172	105213	61.746	ng	0.00
79) Terphenyl-d14	20.288	244	248760	61.873	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.761	178	76250	20.621	ng	99
72) Anthracene	17.850	178	10175m	2.781	ng	
75) Fluoranthene	19.747	202	188962	36.494	ng	100
78) Pyrene	20.106	202	165280	38.439	ng	99
81) Benzo(a)anthracene	22.004	228	113374	22.674	ng	100
83) Chrysene	22.074	228	114257	24.381	ng	97
87) Indeno(1,2,3-cd)pyrene	29.554	276	103727	14.934	ng	# 98
88) Benzo(b)fluoranthene	24.412	252	179650	32.138	ng	98
89) Benzo(k)fluoranthene	24.477	252	64382m	11.544	ng	
90) Benzo(a)pyrene	25.364	252	132862	28.118	ng	98
91) Dibenzo(a,h)anthracene	29.606	278	31471	5.413	ng	# 97
92) Benzo(g,h,i)perylene	30.817	276	96457	17.161	ng	96

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

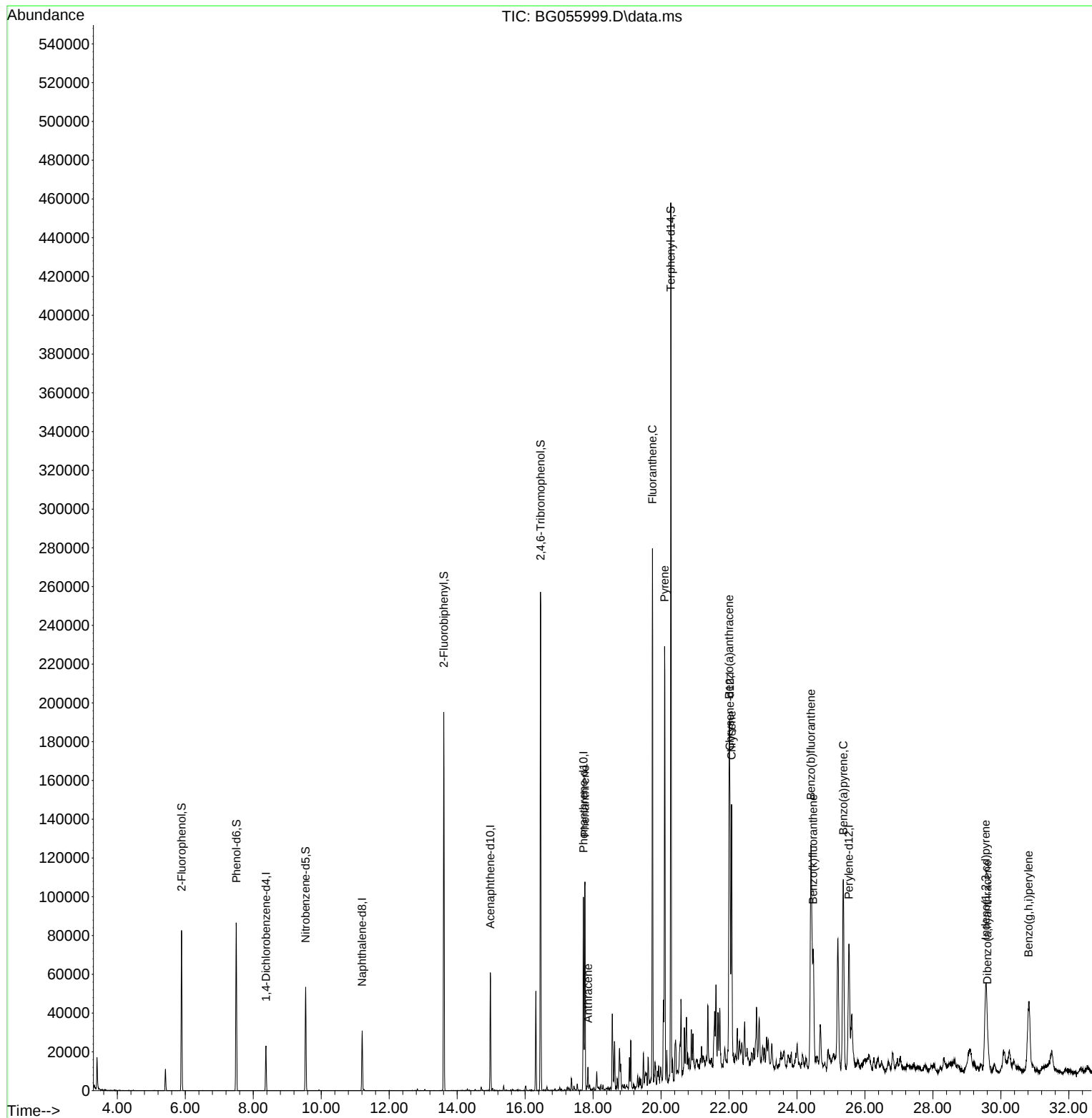
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Data File : BG055999.D
Acq On : 16 Dec 2022 18:29
Operator : CG/JU
Sample : N6038-18
Misc :
ALS Vial : 9 Sample Multiplier: 1

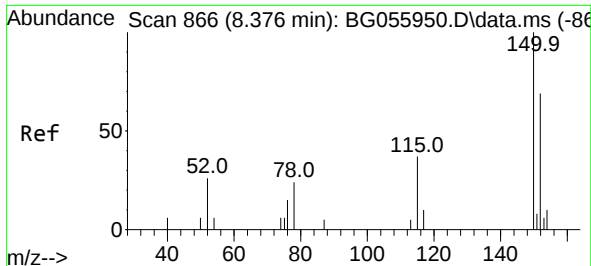
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Quant Time: Dec 17 01:24:16 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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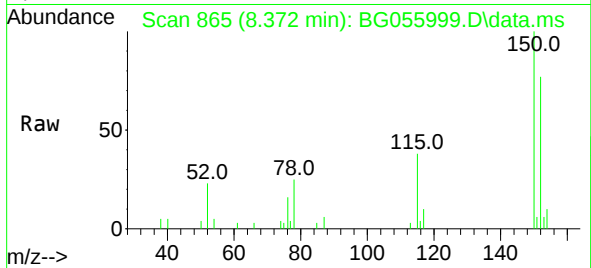
Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.372 min Scan# 866
Delta R.T. -0.004 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

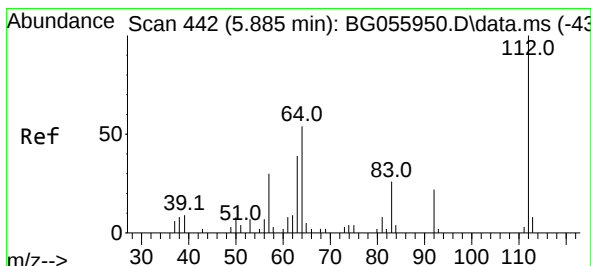
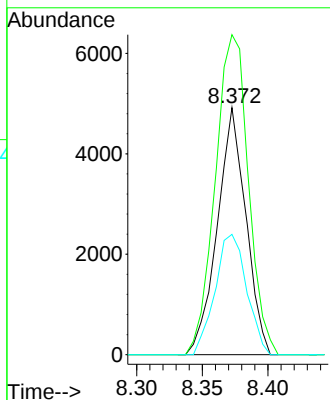
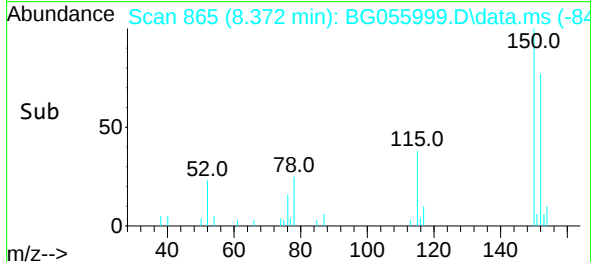
Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)



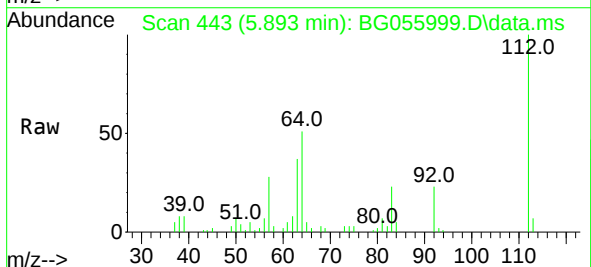
Tgt Ion:152 Resp: 7470
Ion Ratio Lower Upper
152 100
150 129.5 115.7 173.5
115 48.7 43.0 64.4

Manual Integrations
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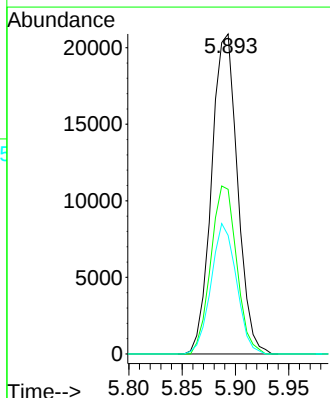
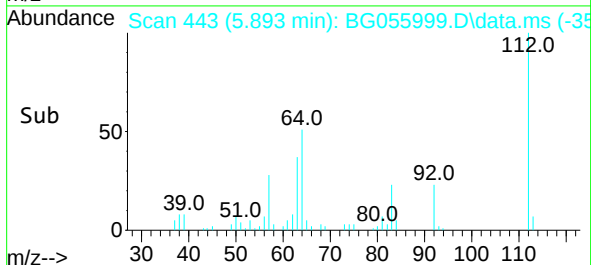
Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022

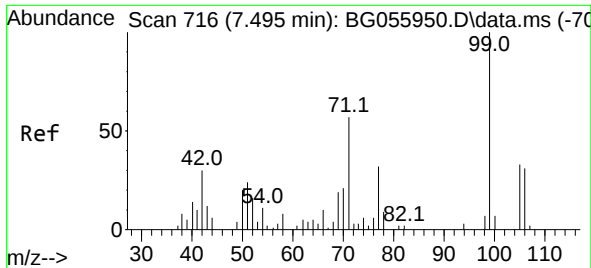


#5
2-Fluorophenol
Concen: 110.923 ng
RT: 5.893 min Scan# 443
Delta R.T. 0.008 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29



Tgt Ion:112 Resp: 35332
Ion Ratio Lower Upper
112 100
64 51.4 43.0 64.4
63 37.0 31.4 47.2





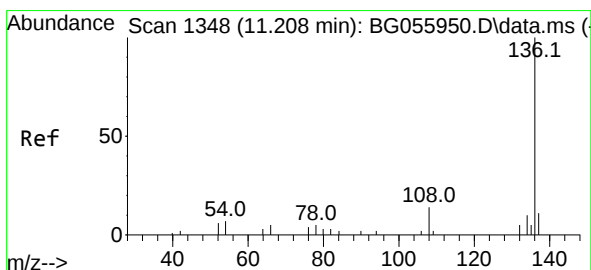
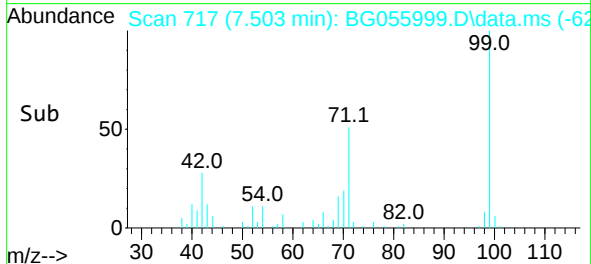
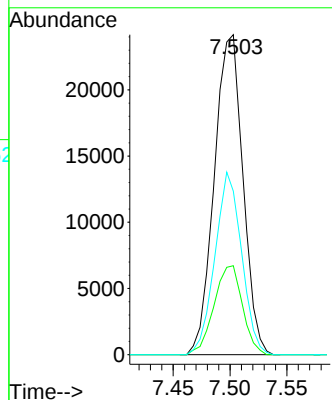
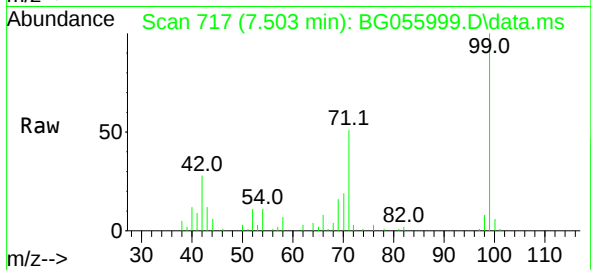
#7
Phenol-d6
Concen: 103.342 ng
RT: 7.503 min Scan# 716
Delta R.T. 0.002 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

Tgt Ion: 99 Resp: 42330
Ion Ratio Lower Upper
99 100
42 27.8 24.3 36.5
71 51.1 45.6 68.4

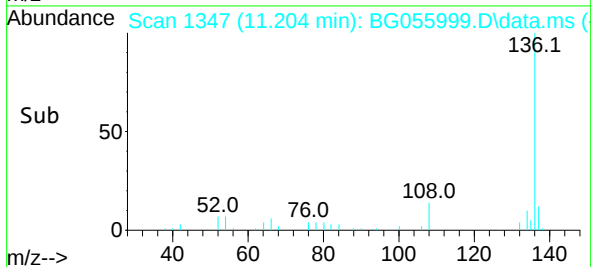
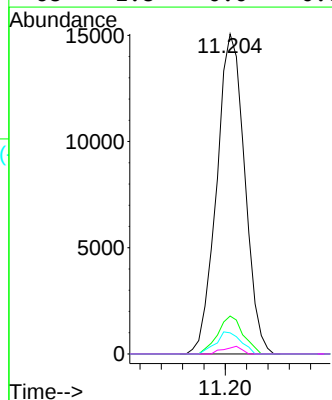
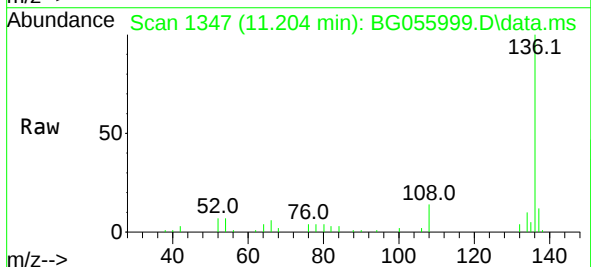
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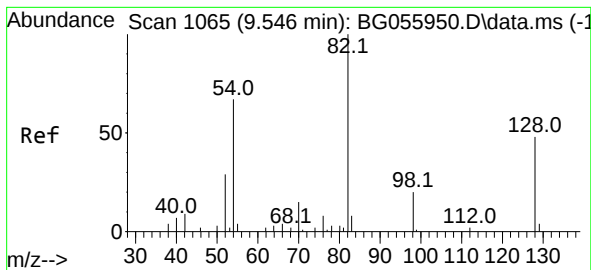
Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.204 min Scan# 1347
Delta R.T. -0.004 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

Tgt Ion:136 Resp: 27481
Ion Ratio Lower Upper
136 100
137 11.8 9.2 13.8
54 6.6 5.6 8.4
68 1.8 0.0 0.0#





#23

Nitrobenzene-d5

Concen: 73.384 ng

RT: 9.542 min Scan# 1064

Delta R.T. -0.004 min

Lab File: BG055999.D

Acq: 16 Dec 2022 18:29

Instrument :

BNA_G

ClientSampleId :

RB-38-(0-2)

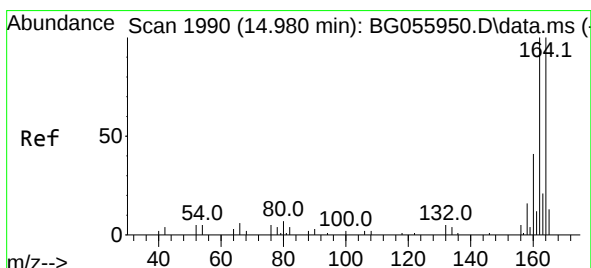
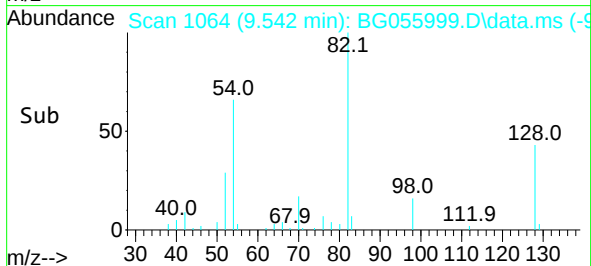
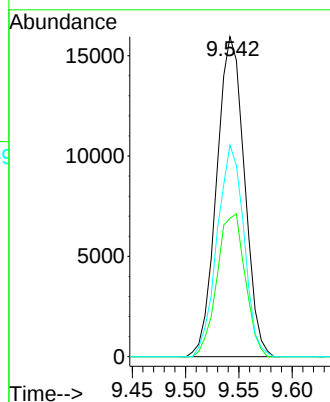
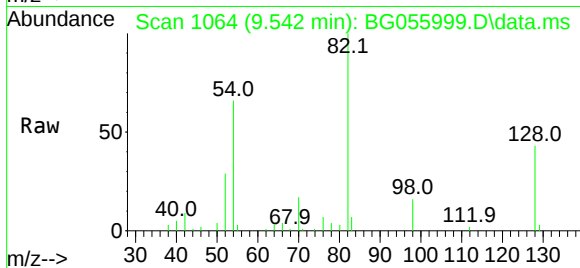
Tgt Ion: 82	Resp: 2885
Ion Ratio	Lower Upper
82 100	
128 43.3	38.4 57.6
54 66.1	53.3 79.9

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#39

Acenaphthene-d10

Concen: 20.000 ng

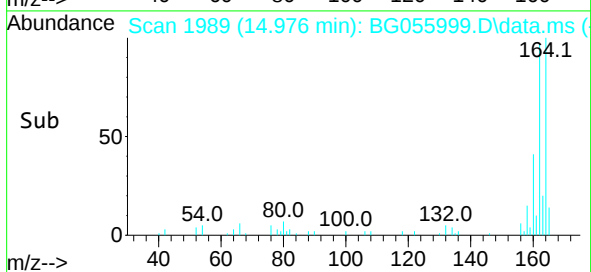
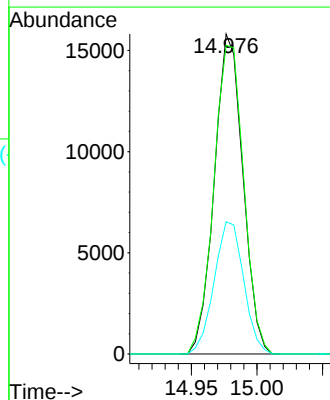
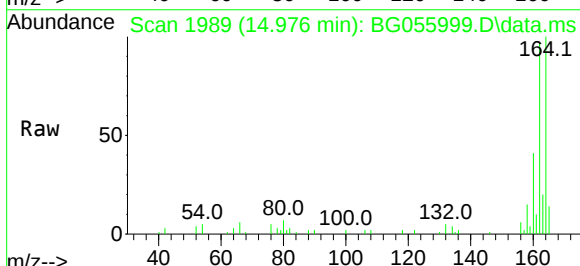
RT: 14.976 min Scan# 1989

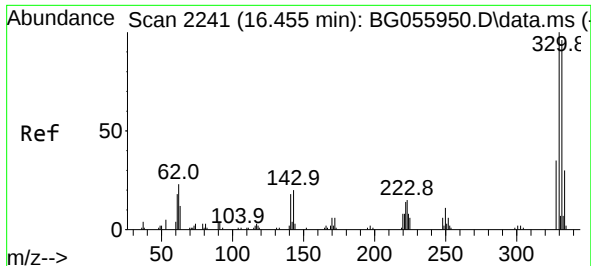
Delta R.T. -0.004 min

Lab File: BG055999.D

Acq: 16 Dec 2022 18:29

Tgt Ion:164	Resp: 23898
Ion Ratio	Lower Upper
164 100	
162 96.5	79.8 119.8
160 41.3	33.0 49.4





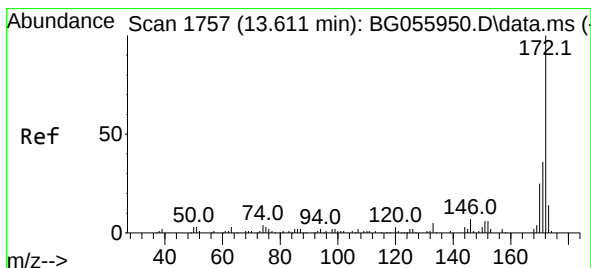
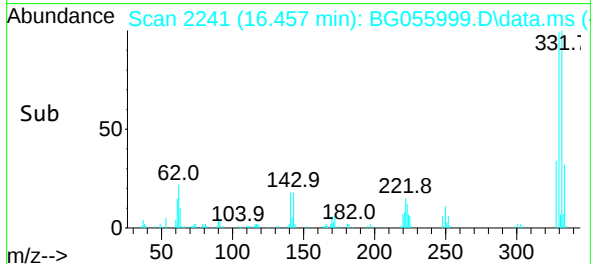
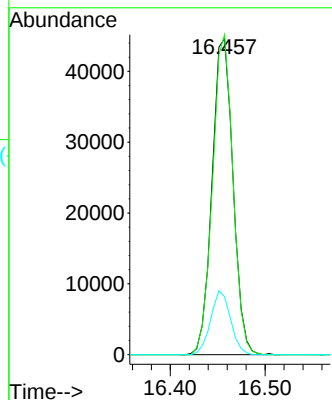
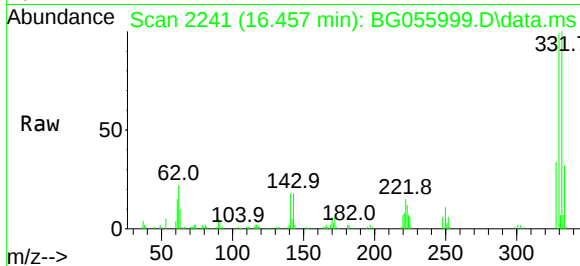
#42
2,4,6-Tribromophenol
Concen: 118.721 ng
RT: 16.457 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)

Tgt Ion:330 Resp: 6841
Ion Ratio Lower Upper
330 100
332 98.5 76.6 114.8
141 19.2 15.0 22.4

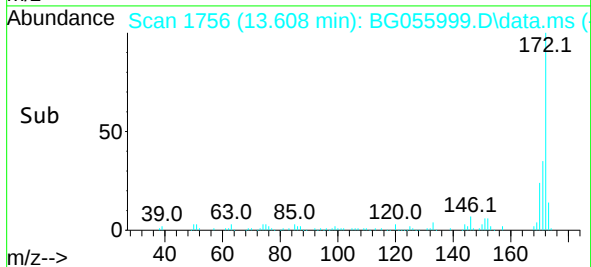
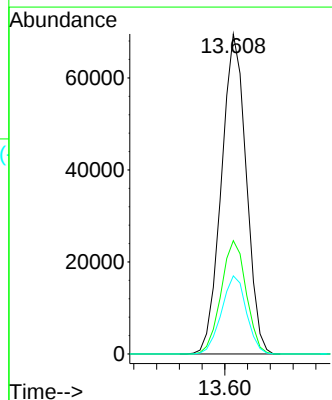
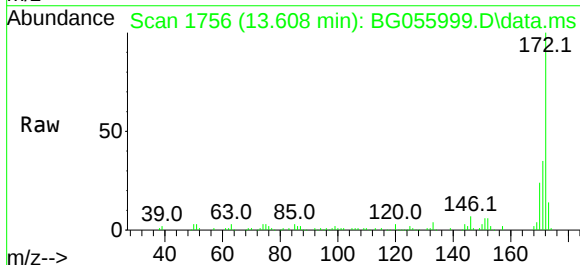
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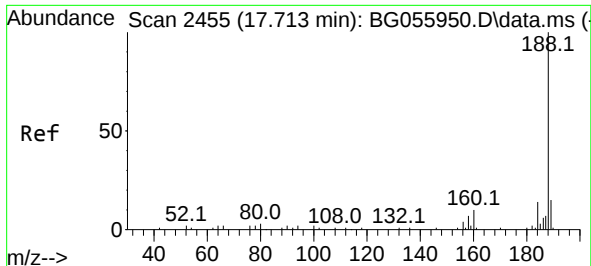
Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022



#45
2-Fluorobiphenyl
Concen: 61.746 ng
RT: 13.608 min Scan# 1756
Delta R.T. -0.004 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

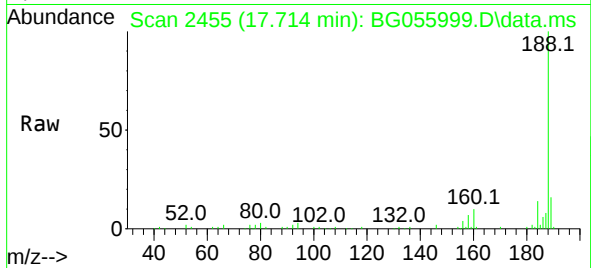
Tgt Ion:172 Resp: 105213
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 24.4 19.9 29.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.714 min Scan# 2455
Delta R.T. -0.004 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

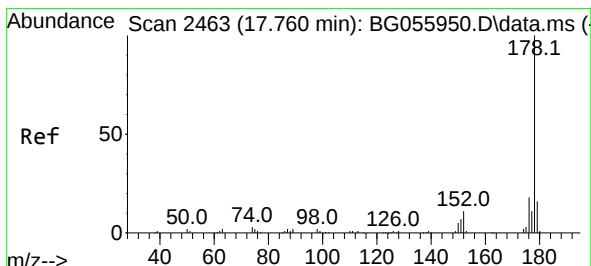
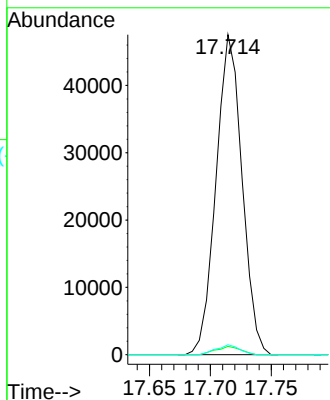
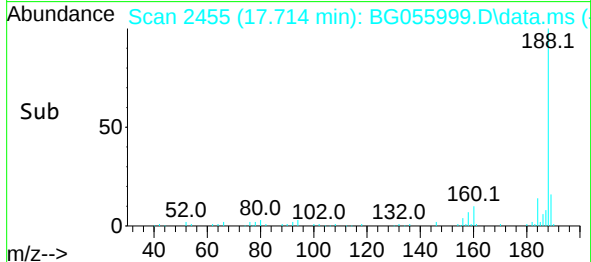
Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)



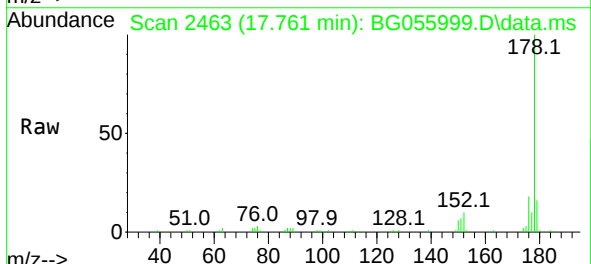
Tgt Ion:188 Resp: 70559
Ion Ratio Lower Upper
188 100
94 2.6 1.8 2.8
80 3.1 2.4 3.6

Manual Integrations
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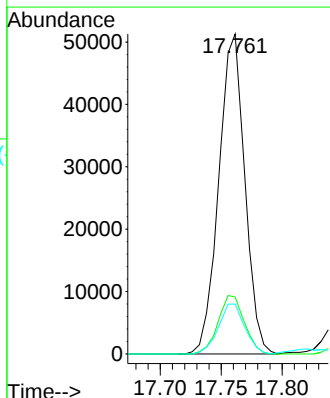
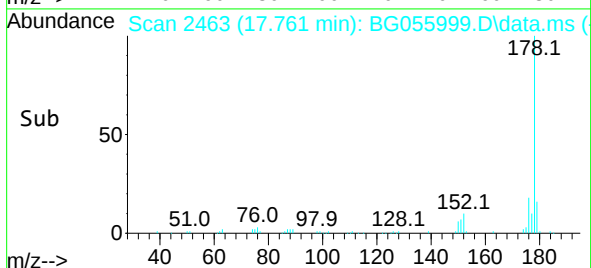
Reviewed By :Yogesh Patel 12/19/2022
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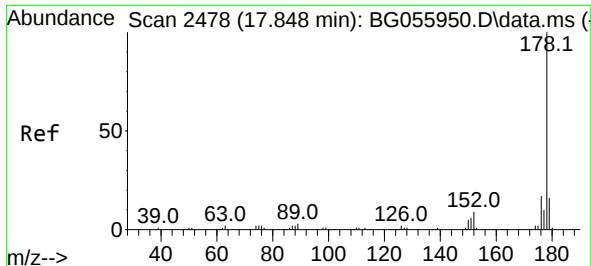


#71
Phenanthrene
Concen: 20.621 ng
RT: 17.761 min Scan# 2463
Delta R.T. 0.002 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29



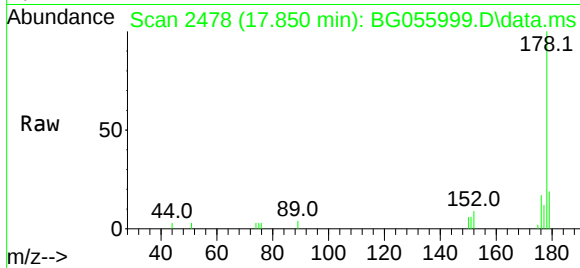
Tgt Ion:178 Resp: 76250
Ion Ratio Lower Upper
178 100
176 17.8 14.4 21.6
179 15.6 12.7 19.1





#72
 Anthracene
 Concen: 2.781 ng m
 RT: 17.850 min Scan# 2478
 Delta R.T. -0.004 min
 Lab File: BG055999.D
 Acq: 16 Dec 2022 18:29

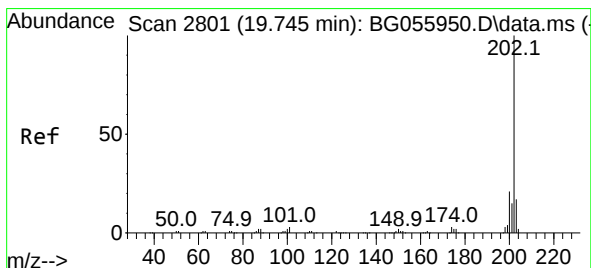
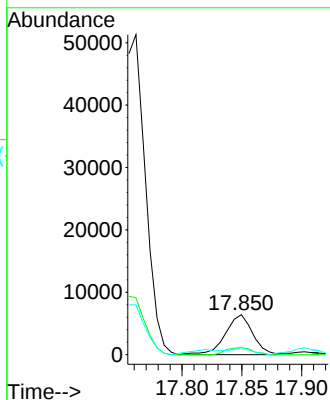
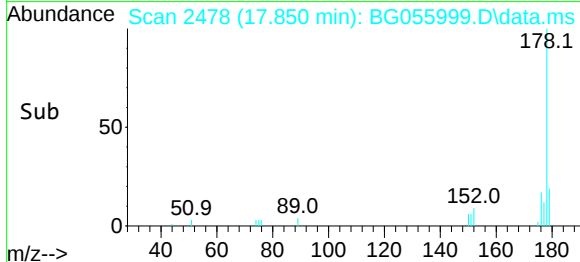
Instrument :
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 RB-38-(0-2)



Tgt Ion:178 Resp: 1017
 Ion Ratio Lower Upper
 178 100
 176 17.4 13.9 20.9
 179 19.4 12.7 19.1

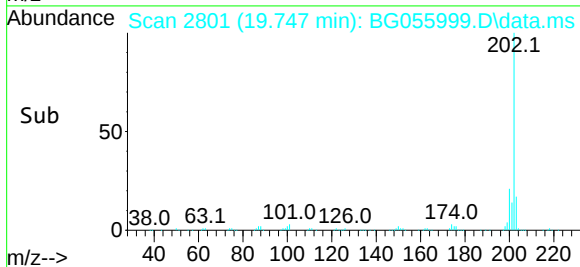
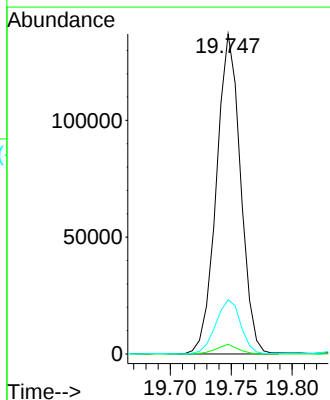
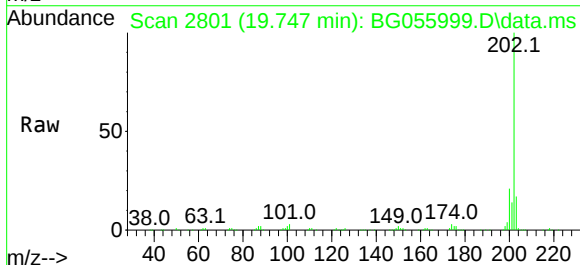
Manual Integrations
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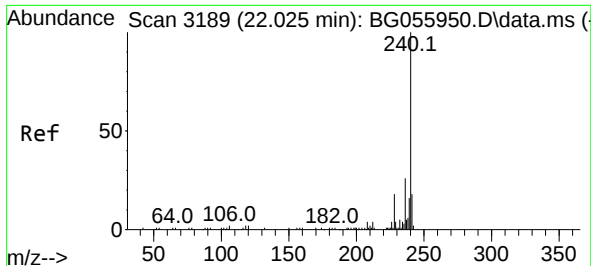
Reviewed By :Yogesh Patel 12/19/2022
 Supervised By :mohammad ahmed 12/19/2022



#75
 Fluoranthene
 Concen: 36.494 ng
 RT: 19.747 min Scan# 2801
 Delta R.T. -0.004 min
 Lab File: BG055999.D
 Acq: 16 Dec 2022 18:29

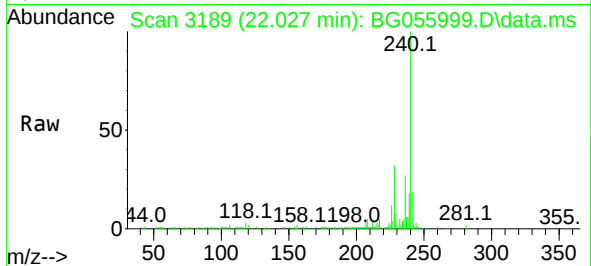
Tgt Ion:202 Resp: 188962
 Ion Ratio Lower Upper
 202 100
 101 3.0 0.0 22.6
 203 16.9 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.027 min Scan# 3189
Delta R.T. -0.004 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

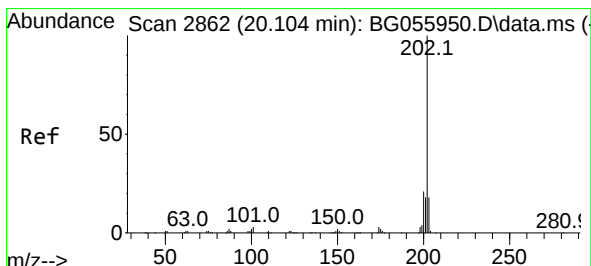
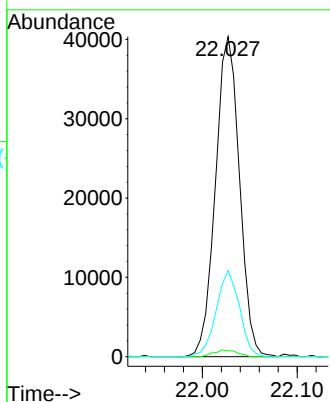
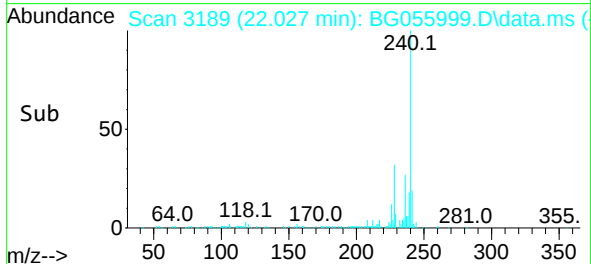
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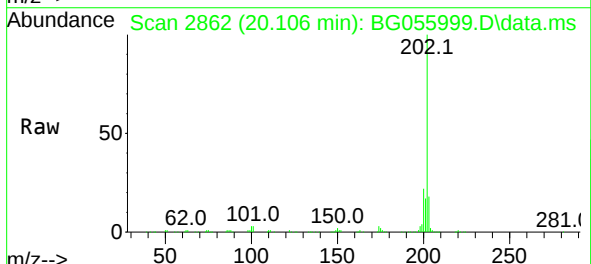
Tgt Ion:240 Resp: 71058
Ion Ratio Lower Upper
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120 1.8 1.7 2.5
236 26.9 21.1 31.7

Manual Integrations
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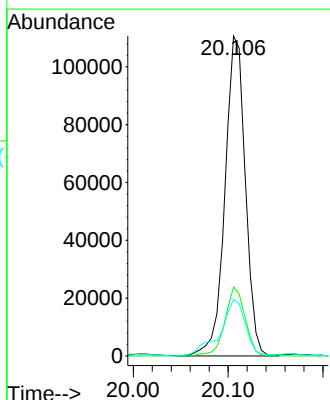
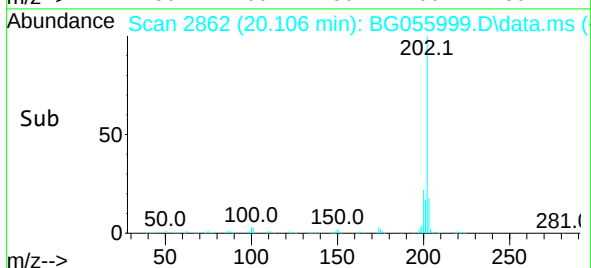
Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022

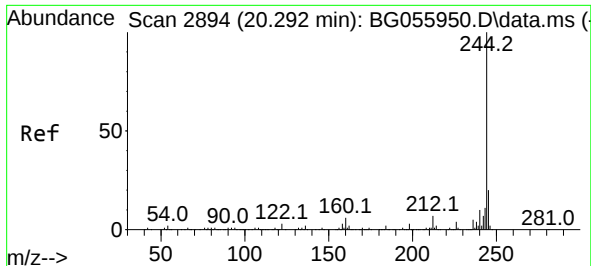


#78
Pyrene
Concen: 38.439 ng
RT: 20.106 min Scan# 2862
Delta R.T. -0.004 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29



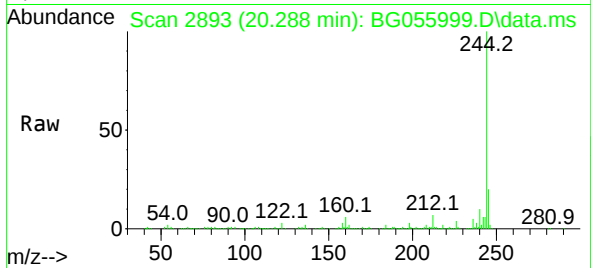
Tgt Ion:202 Resp: 165280
Ion Ratio Lower Upper
202 100
200 21.5 16.7 25.1
203 17.6 14.6 21.8





#79
Terphenyl-d14
Concen: 61.873 ng
RT: 20.288 min Scan# 2893
Delta R.T. -0.004 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

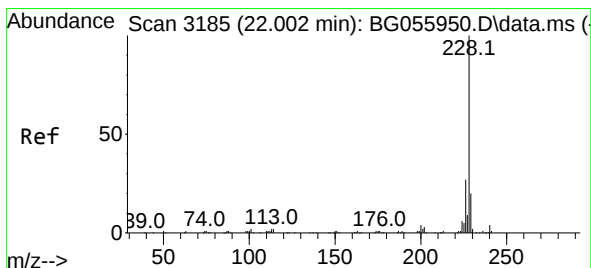
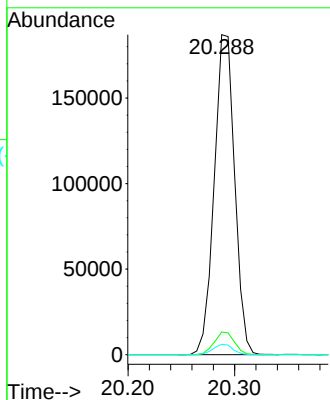
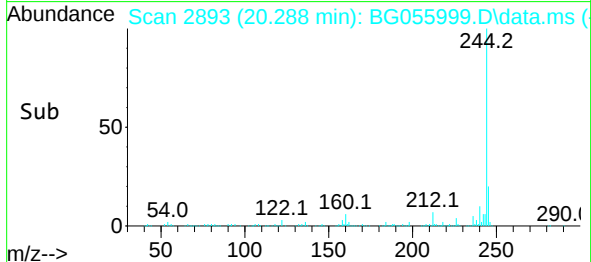
Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)



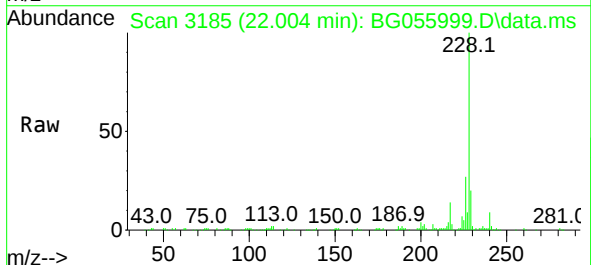
Tgt Ion:244 Resp: 248760
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.6
122 3.3 2.5 3.7

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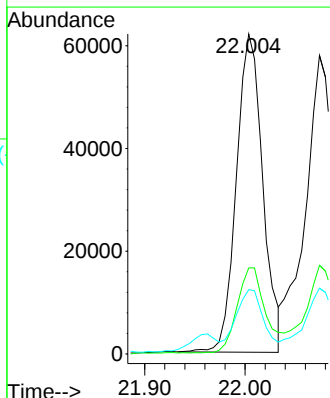
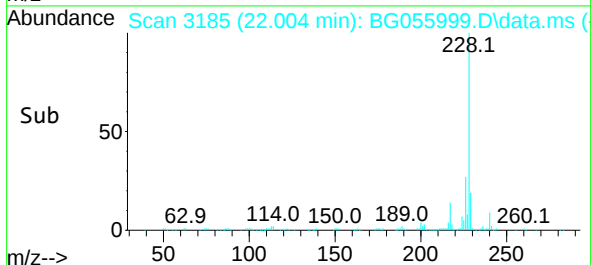
Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022

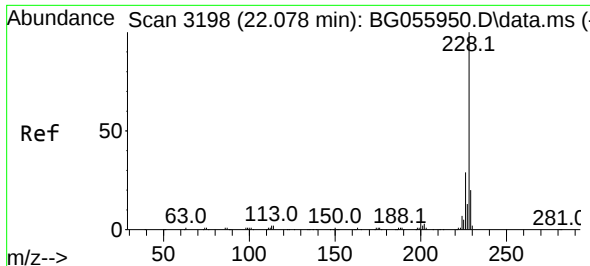


#81
Benzo(a)anthracene
Concen: 22.674 ng
RT: 22.004 min Scan# 3185
Delta R.T. -0.004 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29



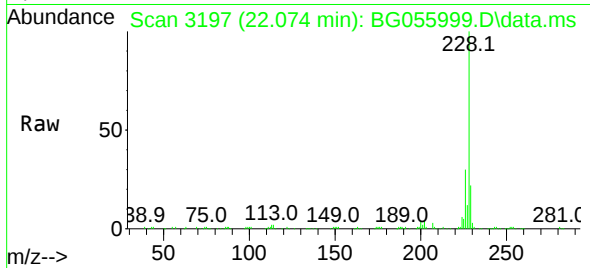
Tgt Ion:228 Resp: 113374
Ion Ratio Lower Upper
228 100
226 26.9 21.8 32.6
229 20.1 15.9 23.9





#83
Chrysene
Concen: 24.381 ng
RT: 22.074 min Scan# 3198
Delta R.T. -0.010 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

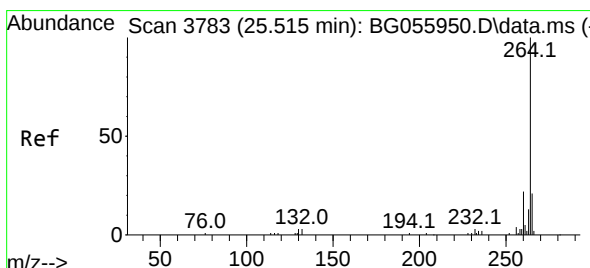
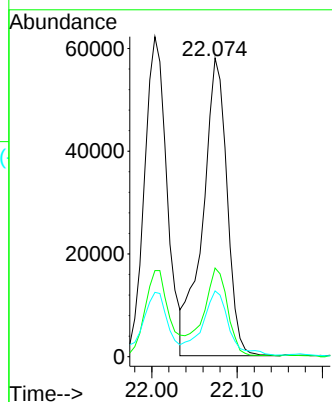
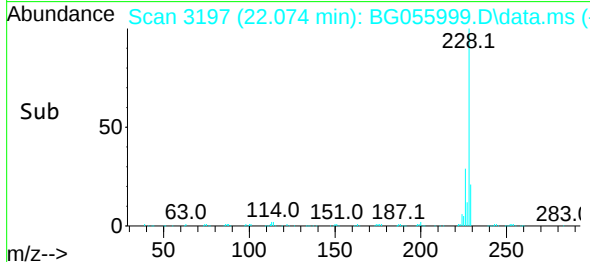
Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)



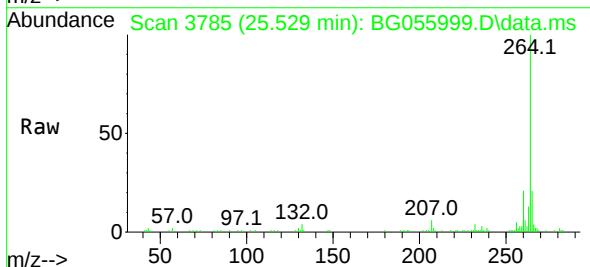
Tgt Ion:228 Resp: 11425
Ion Ratio Lower Upper
228 100
226 29.7 23.1 34.7
229 22.0 15.7 23.5

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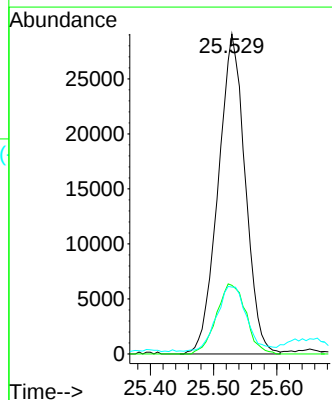
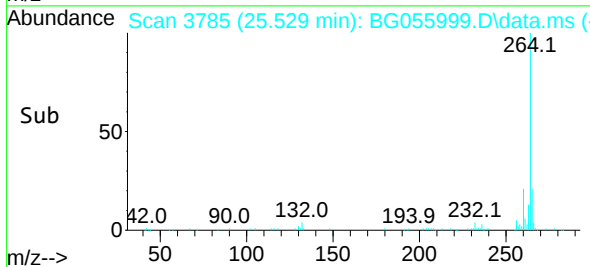
Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022

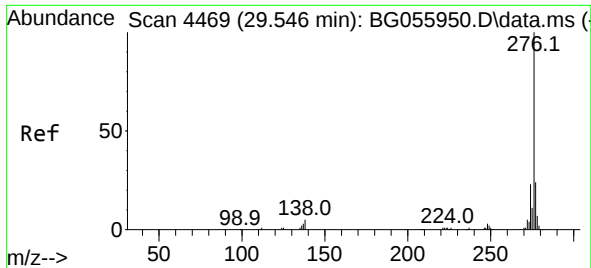


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.529 min Scan# 3785
Delta R.T. -0.004 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29



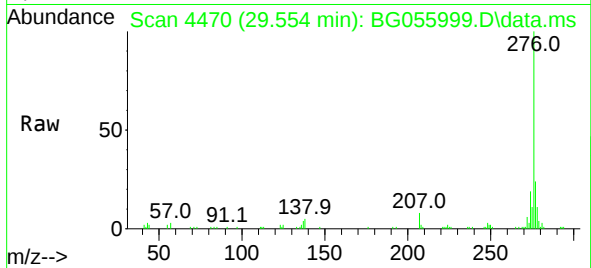
Tgt Ion:264 Resp: 86374
Ion Ratio Lower Upper
264 100
260 21.4 17.8 26.8
265 20.9 16.6 25.0





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 14.934 ng
 RT: 29.554 min Scan# 4469
 Delta R.T. -0.016 min
 Lab File: BG055999.D
 Acq: 16 Dec 2022 18:29

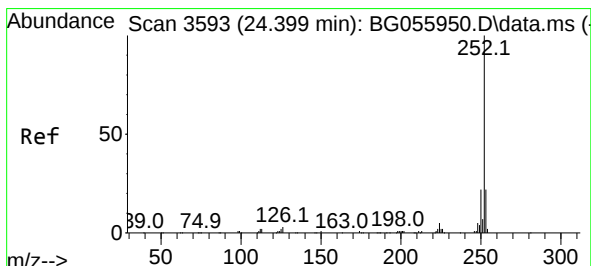
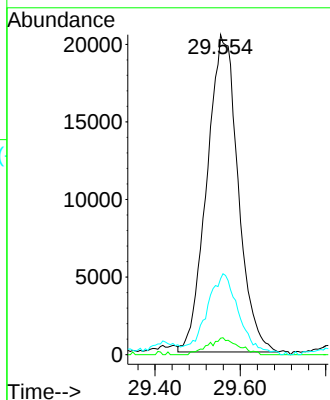
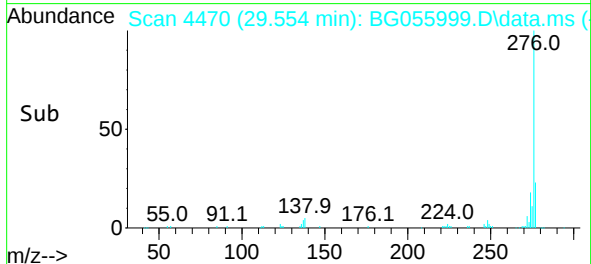
Instrument :
 BNA_G
 ClientSampleId :
 RB-38-(0-2)



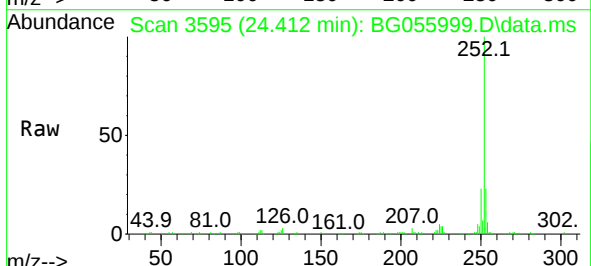
Tgt Ion:276 Resp: 10372
 Ion Ratio Lower Upper
 276 100
 138 5.1 3.0 4.4
 277 26.5 20.4 30.6

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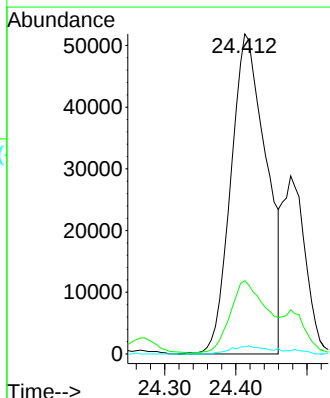
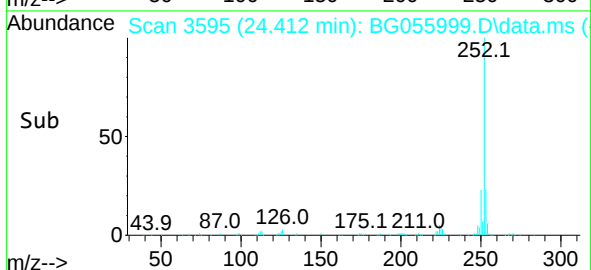
Reviewed By :Yogesh Patel 12/19/2022
 Supervised By :mohammad ahmed 12/19/2022

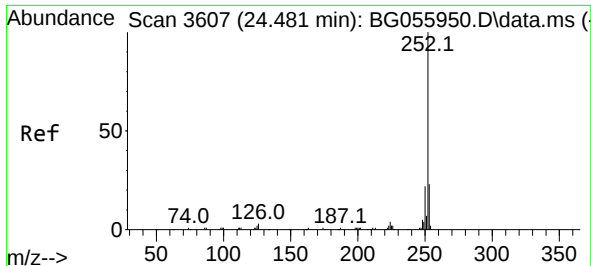


#88
 Benzo(b)fluoranthene
 Concen: 32.138 ng
 RT: 24.412 min Scan# 3595
 Delta R.T. -0.004 min
 Lab File: BG055999.D
 Acq: 16 Dec 2022 18:29



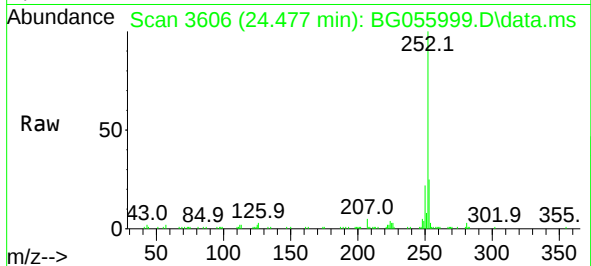
Tgt Ion:252 Resp: 179650
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.4 26.0
 125 2.3 1.8 2.8





#89
Benzo(k)fluoranthene
Concen: 11.544 ng m
RT: 24.477 min Scan# 30
Delta R.T. -0.010 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

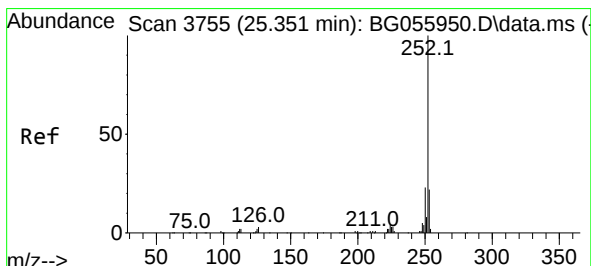
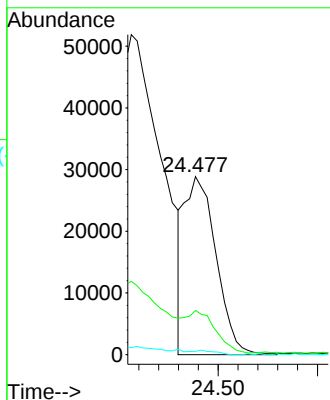
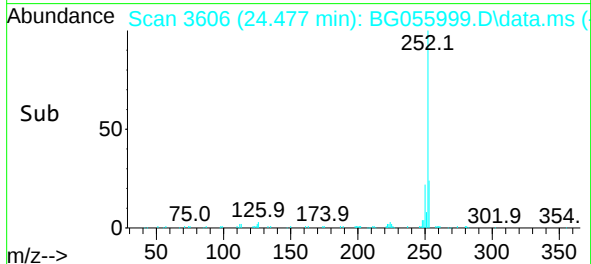
Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)



Tgt Ion:252 Resp: 6438
Ion Ratio Lower Upper
252 100
253 24.9 18.2 27.2
125 1.9 2.0 3.0

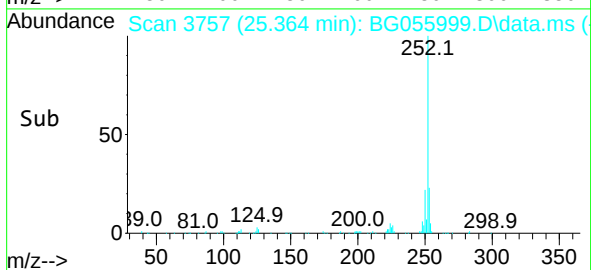
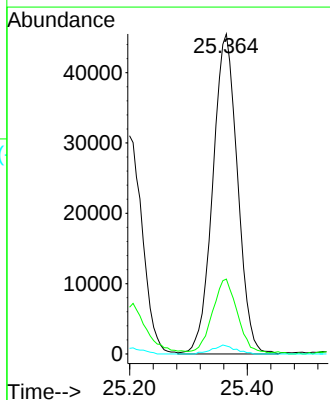
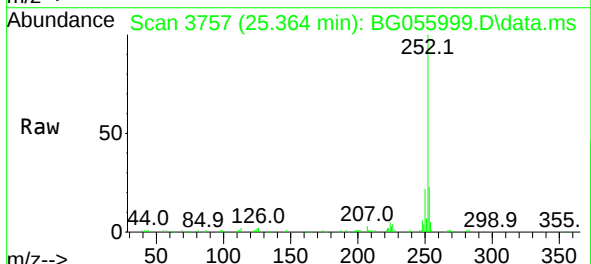
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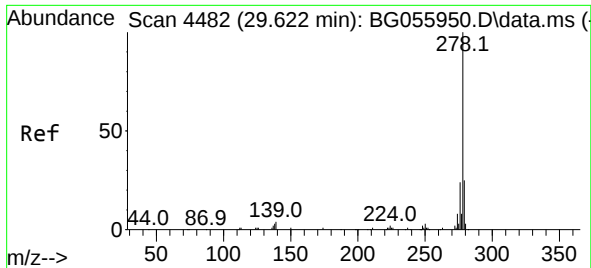
Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022



#90
Benzo(a)pyrene
Concen: 28.118 ng
RT: 25.364 min Scan# 3757
Delta R.T. -0.010 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

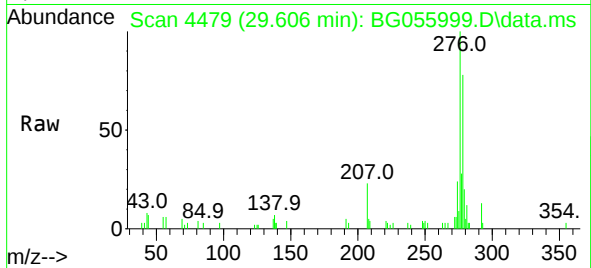
Tgt Ion:252 Resp: 132862
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 2.5 1.9 2.9





#91
Dibenzo(a,h)anthracene
Concen: 5.413 ng
RT: 29.606 min Scan# 4482
Delta R.T. -0.045 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29

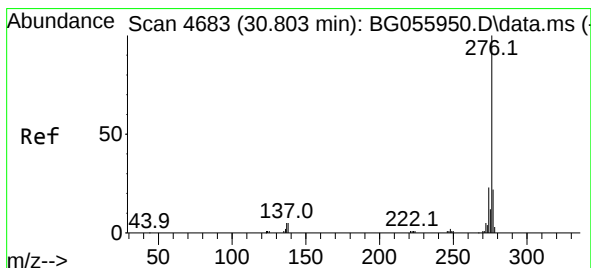
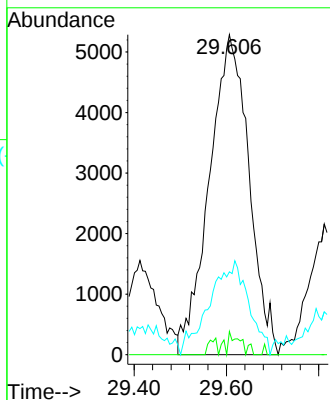
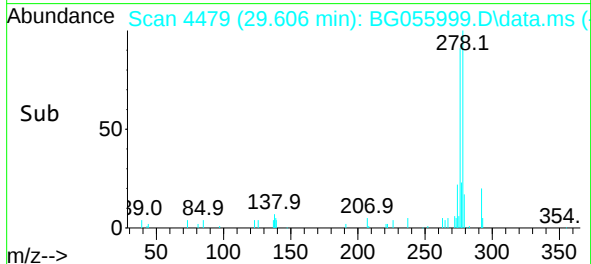
Instrument :
BNA_G
ClientSampleId :
RB-38-(0-2)



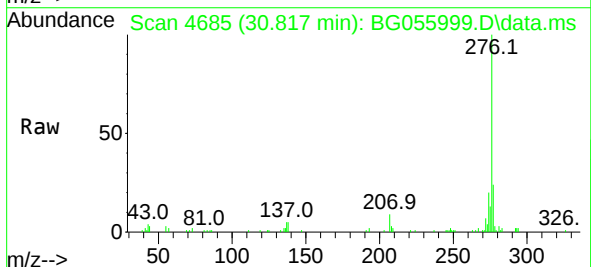
Tgt Ion:278 Resp: 3147
Ion Ratio Lower Upper
278 100
139 7.2 2.9 4.3
279 25.9 20.0 30.0

Manual Integrations
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Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022



#92
Benzo(g,h,i)perylene
Concen: 17.161 ng
RT: 30.817 min Scan# 4685
Delta R.T. -0.021 min
Lab File: BG055999.D
Acq: 16 Dec 2022 18:29



Tgt Ion:276 Resp: 96457
Ion Ratio Lower Upper
276 100
277 24.1 17.8 26.6
138 5.4 3.8 5.6

