

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
 Data File : BG056000.D
 Acq On : 16 Dec 2022 19:10
 Operator : CG/JU
 Sample : N6038-20
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB-39-(0-2)

Manual Integrations
 APPROVED

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

Quant Time: Dec 17 01:24:31 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	8.369	152	7735	20.000	ng	0.00
21) Naphthalene-d8	11.207	136	28657	20.000	ng	# 0.00
39) Acenaphthene-d10	14.979	164	25236	20.000	ng	0.00
64) Phenanthrene-d10	17.717	188	73474	20.000	ng	0.00
76) Chrysene-d12	22.024	240	72136	20.000	ng	0.00
86) Perylene-d12	25.526	264	89006	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.890	112	31451	95.356	ng	0.00
7) Phenol-d6	7.500	99	38893	91.685	ng	0.00
23) Nitrobenzene-d5	9.544	82	26307	64.151	ng	0.00
42) 2,4,6-Tribromophenol	16.454	330	63354	104.112	ng	0.00
45) 2-Fluorobiphenyl	13.610	172	98343	54.654	ng	0.00
79) Terphenyl-d14	20.291	244	213398	52.284	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.758	178	58490	15.191	ng	99
72) Anthracene	17.846	178	10002	2.626	ng	99
75) Fluoranthene	19.750	202	168019	31.162	ng	99
78) Pyrene	20.108	202	136981	31.382	ng	99
81) Benzo(a)anthracene	22.006	228	116254	22.902	ng	99
83) Chrysene	22.077	228	110115	23.146	ng	97
87) Indeno(1,2,3-cd)pyrene	29.556	276	86583	12.097	ng	# 99
88) Benzo(b)fluoranthene	24.409	252	166104	28.836	ng	97
89) Benzo(k)fluoranthene	24.480	252	60221m	10.478	ng	
90) Benzo(a)pyrene	25.361	252	114687	23.554	ng	99
91) Dibenzo(a,h)anthracene	29.615	278	26883	4.488	ng	# 88
92) Benzo(g,h,i)perylene	30.819	276	74794	12.913	ng	95

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

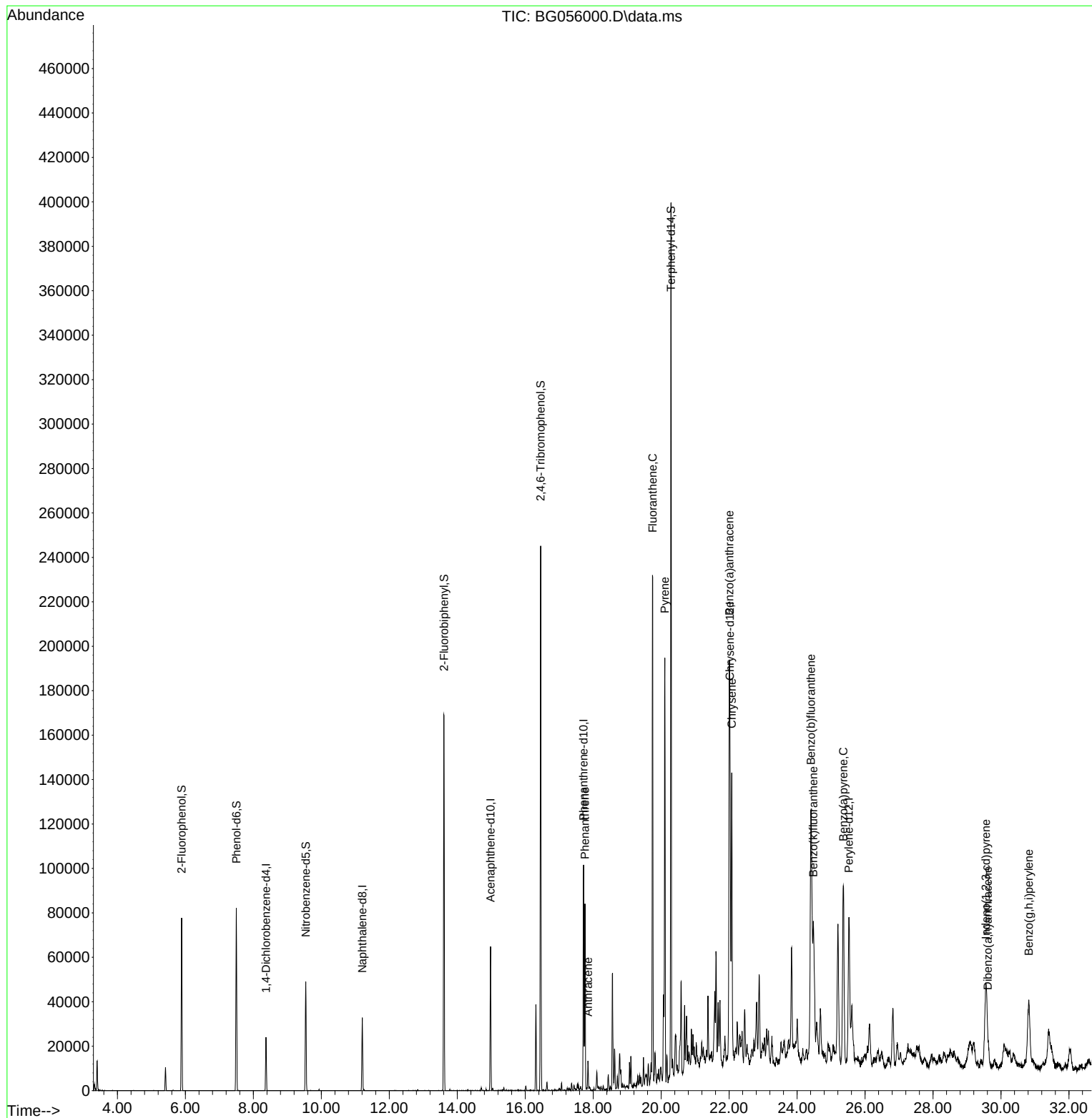
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
Data File : BG056000.D
Acq On : 16 Dec 2022 19:10
Operator : CG/JU
Sample : N6038-20
Misc :
ALS Vial : 10 Sample Multiplier: 1

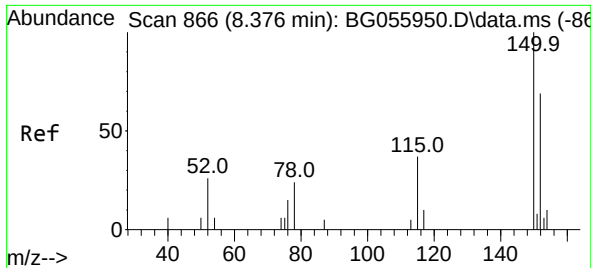
Instrument :
BNA_G
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RB-39-(0-2)

Quant Time: Dec 17 01:24:31 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.369 min Scan# 866
Delta R.T. -0.007 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

Instrument :

BNA_G

ClientSampleId :

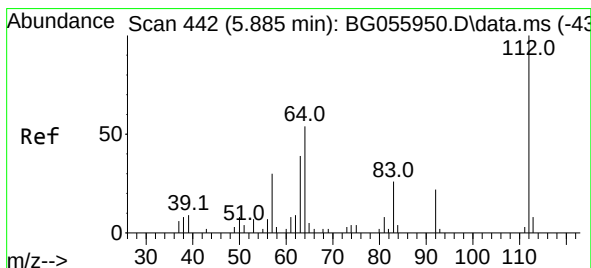
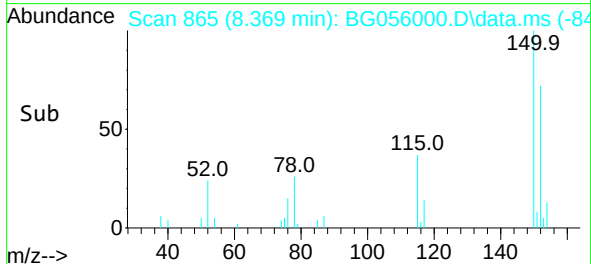
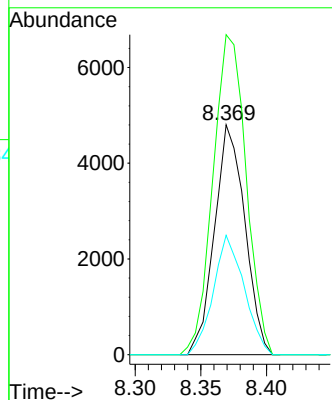
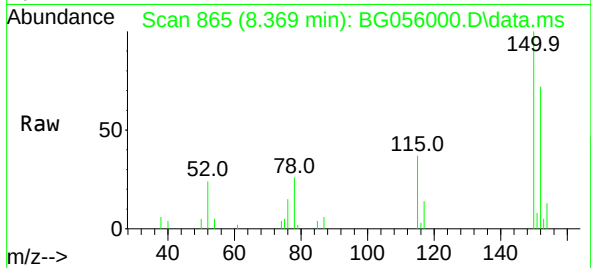
RB-39-(0-2)

Tgt Ion:152 Resp: 7735
Ion Ratio Lower Upper
152 100
150 139.1 115.7 173.5
115 51.9 43.0 64.4

Manual Integrations

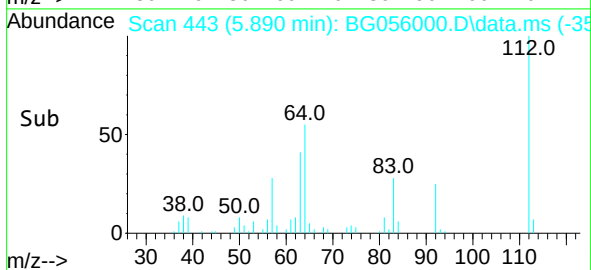
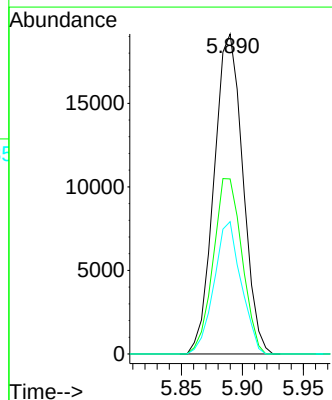
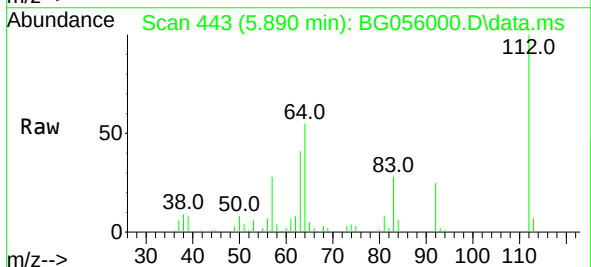
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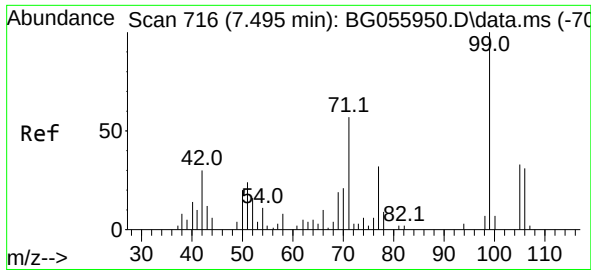
Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022



#5
2-Fluorophenol
Concen: 95.356 ng
RT: 5.890 min Scan# 443
Delta R.T. 0.005 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

Tgt Ion:112 Resp: 31451
Ion Ratio Lower Upper
112 100
64 54.7 43.0 64.4
63 41.4 31.4 47.2





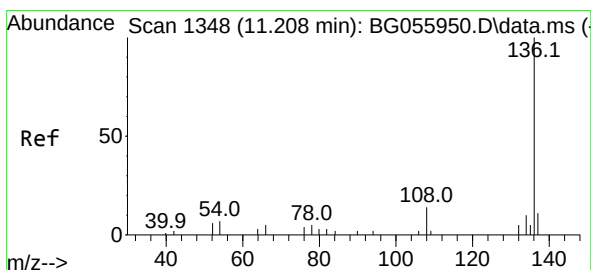
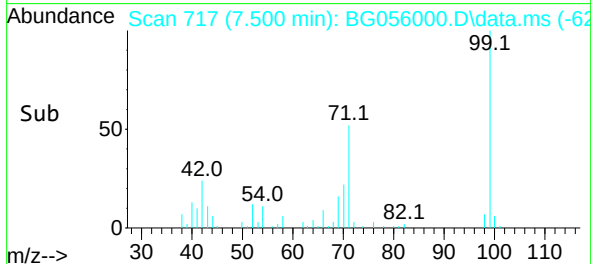
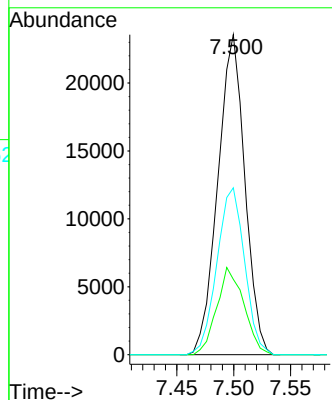
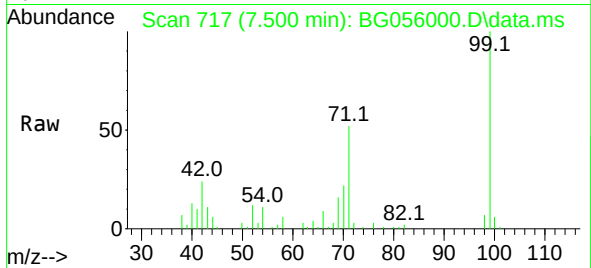
#7
Phenol-d6
Concen: 91.685 ng
RT: 7.500 min Scan# 716
Delta R.T. -0.001 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

Instrument :
BNA_G
ClientSampleId :
RB-39-(0-2)

Tgt Ion: 99 Resp: 3889
Ion Ratio Lower Upper
99 100
42 23.6 24.3 36.5
71 52.1 45.6 68.4

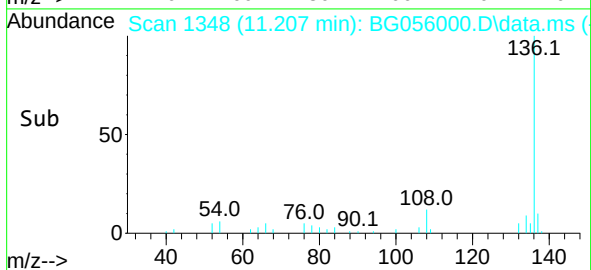
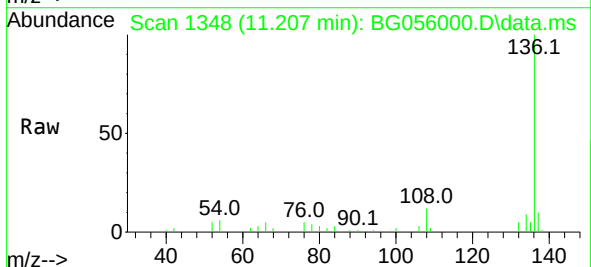
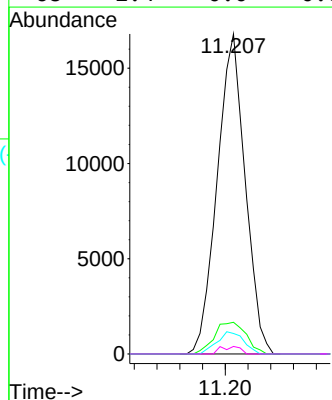
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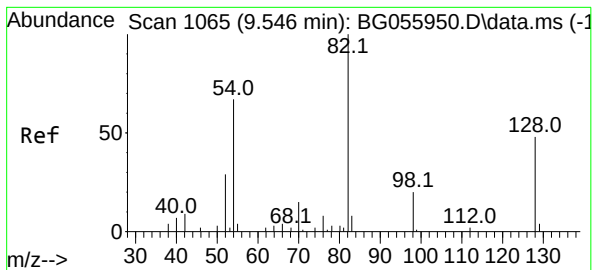
Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.207 min Scan# 1348
Delta R.T. -0.001 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

Tgt Ion:136 Resp: 28657
Ion Ratio Lower Upper
136 100
137 9.9 9.2 13.8
54 6.4 5.6 8.4
68 2.4 0.0 0.0#





#23
Nitrobenzene-d5
Concen: 64.151 ng
RT: 9.544 min Scan# 1065
Delta R.T. -0.001 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

Instrument :

BNA_G

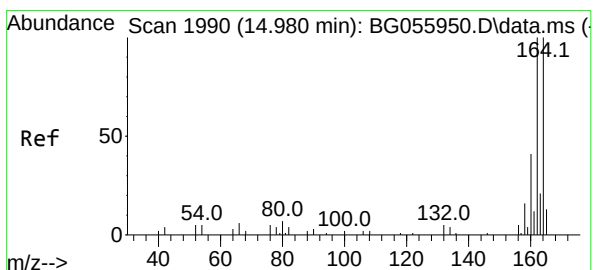
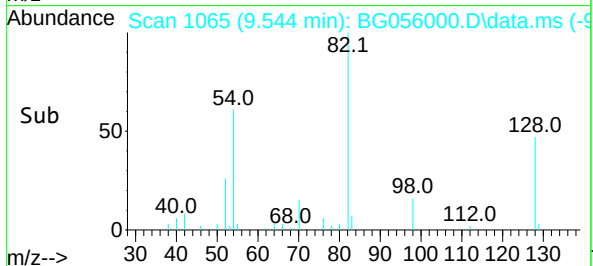
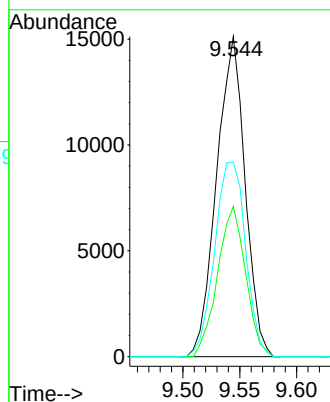
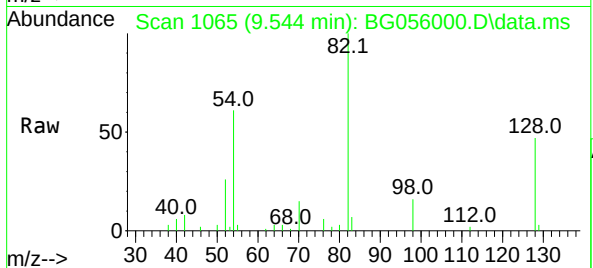
ClientSampleId :

RB-39-(0-2)

Tgt Ion: 82 Resp: 2630
Ion Ratio Lower Upper
82 100
128 47.0 38.4 57.6
54 60.8 53.3 79.9

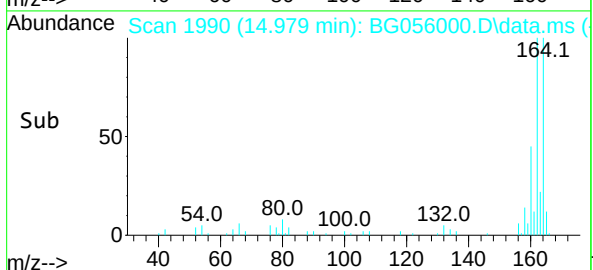
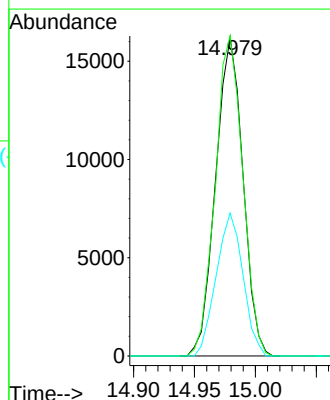
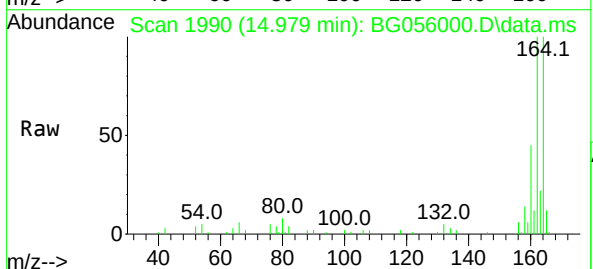
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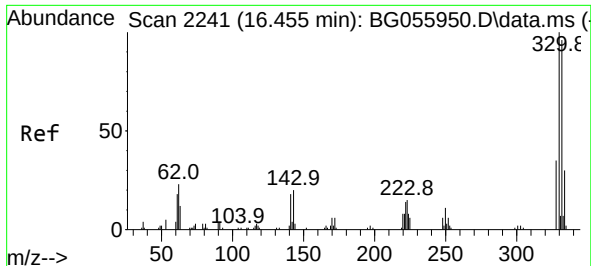
Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.979 min Scan# 1990
Delta R.T. -0.001 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

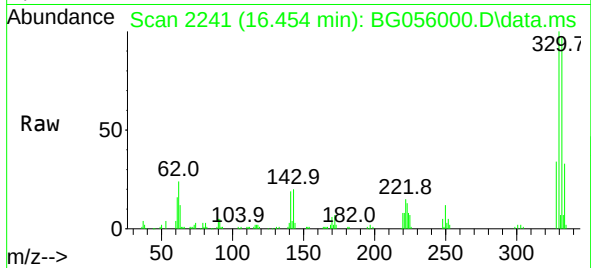
Tgt Ion:164 Resp: 25236
Ion Ratio Lower Upper
164 100
162 100.5 79.8 119.8
160 44.8 33.0 49.4





#42
2,4,6-Tribromophenol
Concen: 104.112 ng
RT: 16.454 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

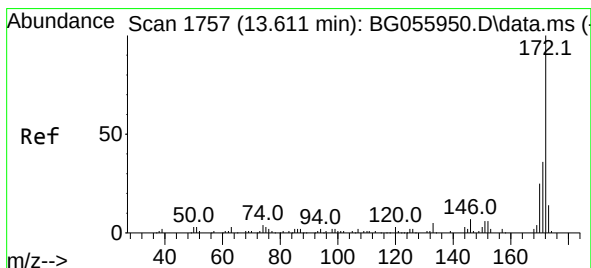
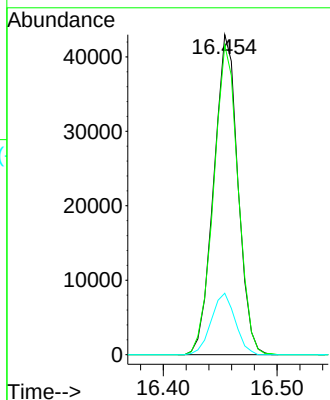
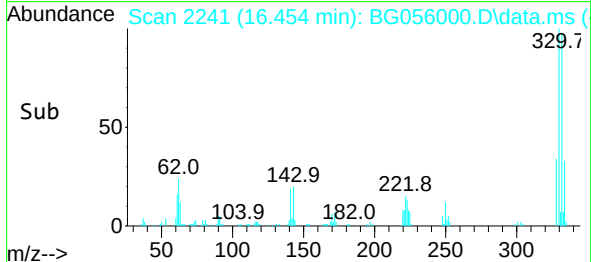
Instrument :
BNA_G
ClientSampleId :
RB-39-(0-2)



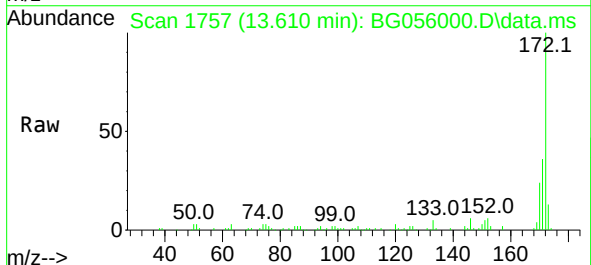
Tgt Ion:330 Resp: 63354
Ion Ratio Lower Upper
330 100
332 97.9 76.6 114.8
141 19.1 15.0 22.4

Manual Integrations
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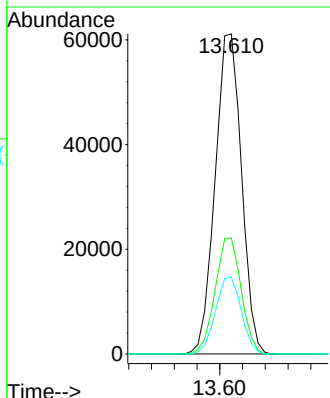
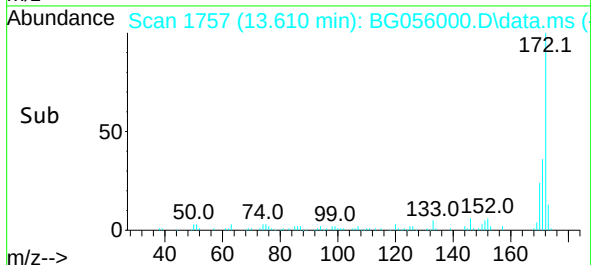
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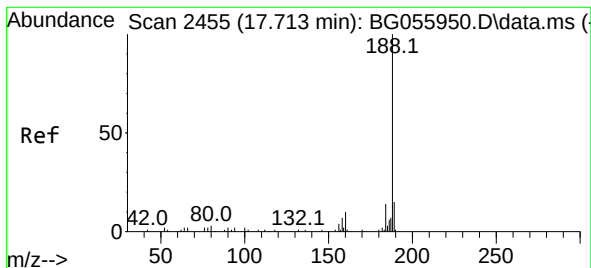


#45
2-Fluorobiphenyl
Concen: 54.654 ng
RT: 13.610 min Scan# 1757
Delta R.T. -0.001 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10



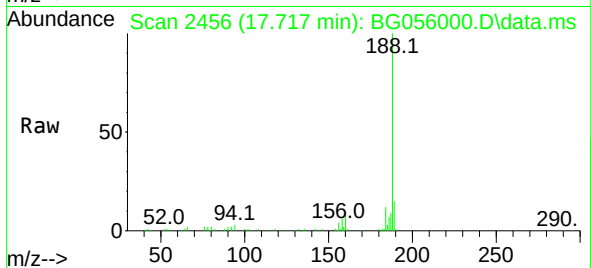
Tgt Ion:172 Resp: 98343
Ion Ratio Lower Upper
172 100
171 36.3 28.6 42.8
170 24.0 19.9 29.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.717 min Scan# 2455
Delta R.T. -0.001 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

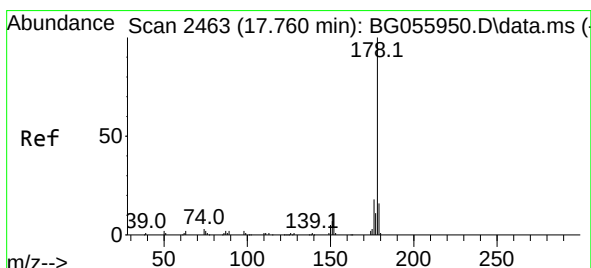
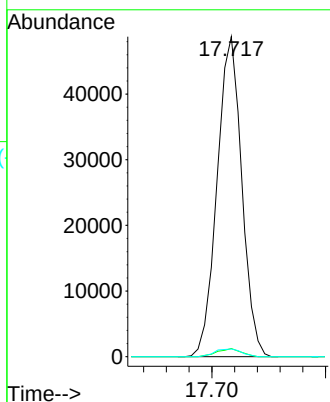
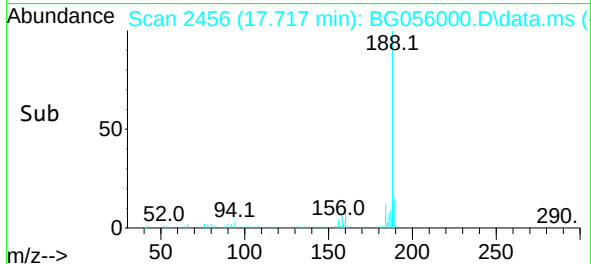
Instrument :
BNA_G
ClientSampleId :
RB-39-(0-2)



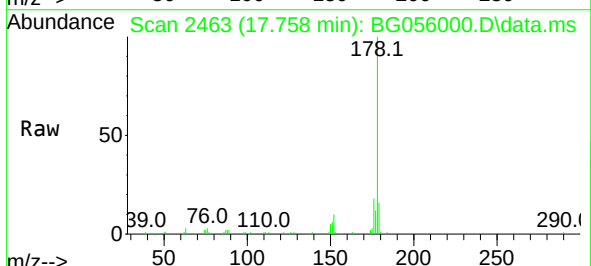
Tgt Ion:188 Resp: 73474
Ion Ratio Lower Upper
188 100
94 2.6 1.8 2.8
80 2.4 2.4 3.6

Manual Integrations
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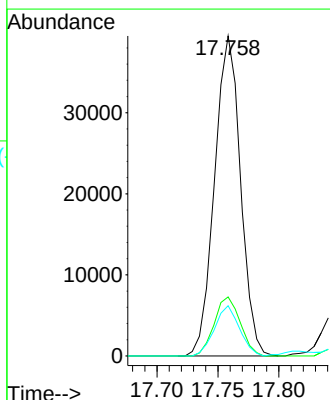
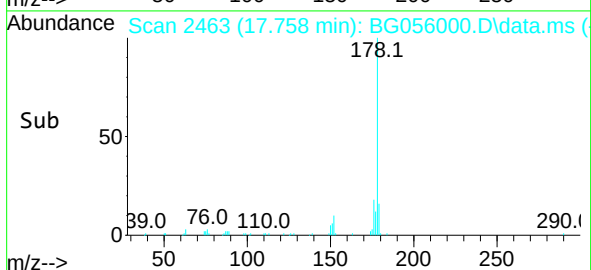
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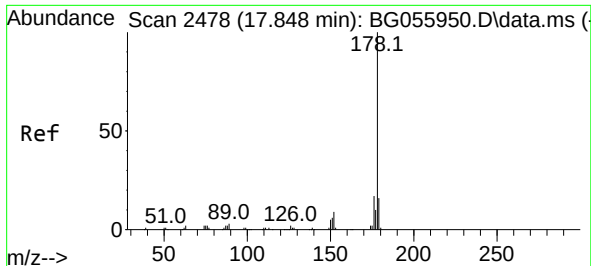


#71
Phenanthrene
Concen: 15.191 ng
RT: 17.758 min Scan# 2463
Delta R.T. -0.001 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10



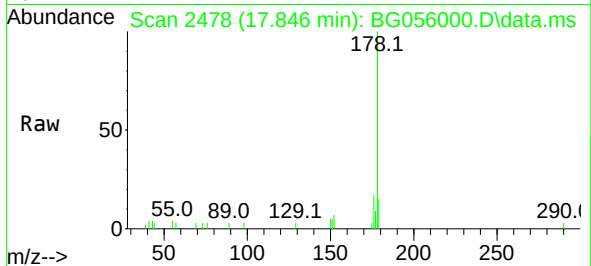
Tgt Ion:178 Resp: 58490
Ion Ratio Lower Upper
178 100
176 18.5 14.4 21.6
179 15.7 12.7 19.1





#72
 Anthracene
 Concen: 2.626 ng
 RT: 17.846 min Scan# 2478
 Delta R.T. -0.007 min
 Lab File: BG056000.D
 Acq: 16 Dec 2022 19:10

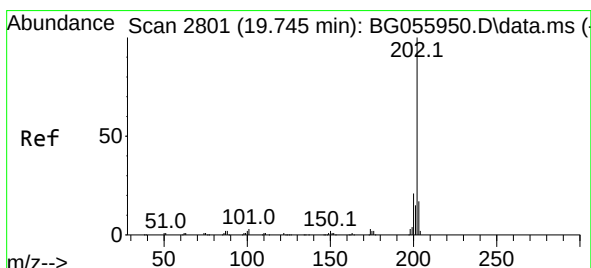
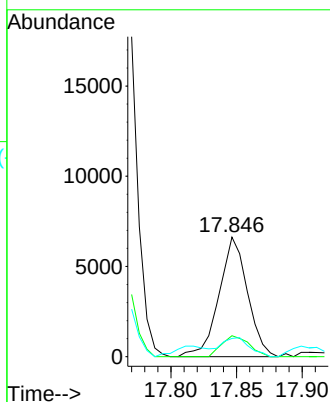
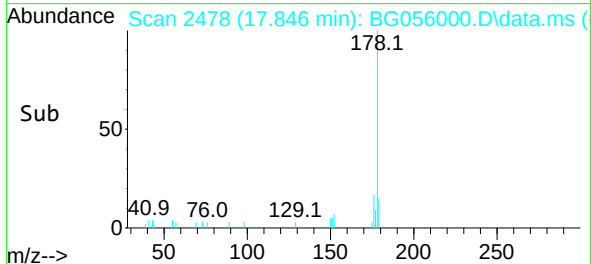
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 RB-39-(0-2)



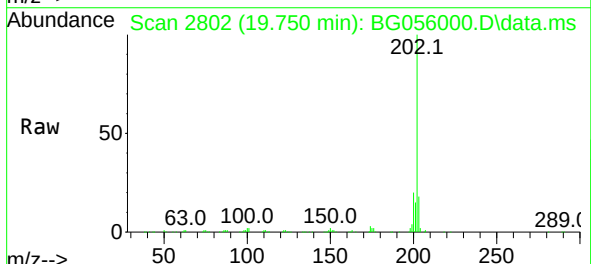
Tgt Ion:178 Resp: 1000
 Ion Ratio Lower Upper
 178 100
 176 17.5 13.9 20.9
 179 15.3 12.7 19.1

Manual Integrations
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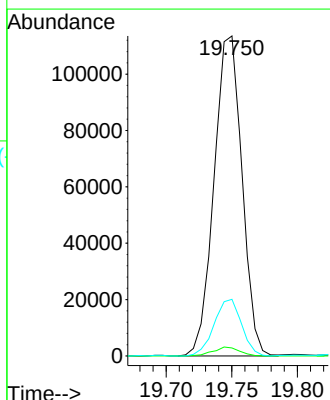
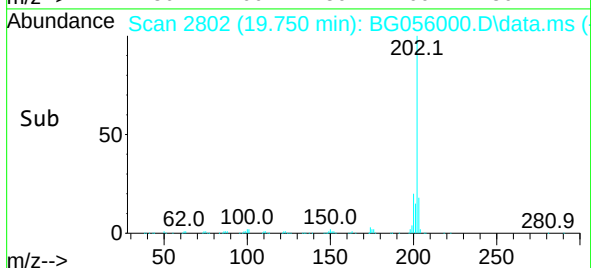
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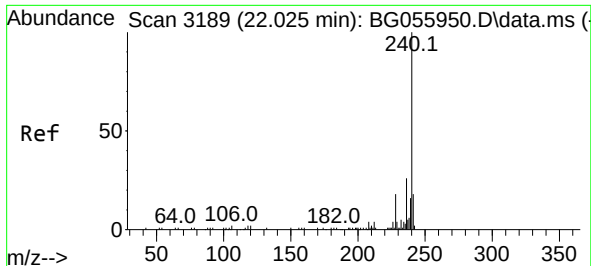


#75
 Fluoranthene
 Concen: 31.162 ng
 RT: 19.750 min Scan# 2802
 Delta R.T. -0.001 min
 Lab File: BG056000.D
 Acq: 16 Dec 2022 19:10



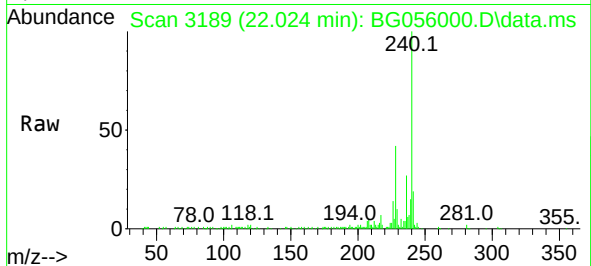
Tgt Ion:202 Resp: 168019
 Ion Ratio Lower Upper
 202 100
 101 2.5 0.0 22.6
 203 17.7 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.024 min Scan# 3189
Delta R.T. -0.007 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

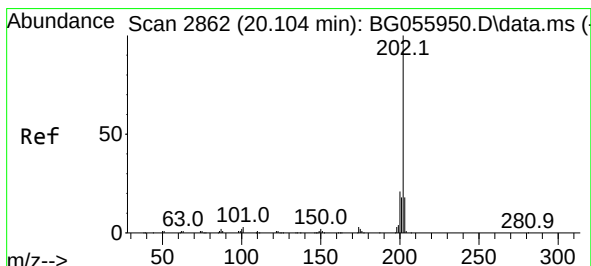
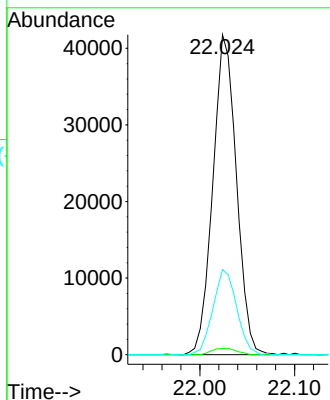
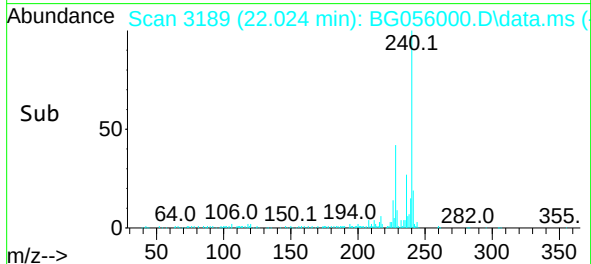
Instrument :
BNA_G
ClientSampleId :
RB-39-(0-2)



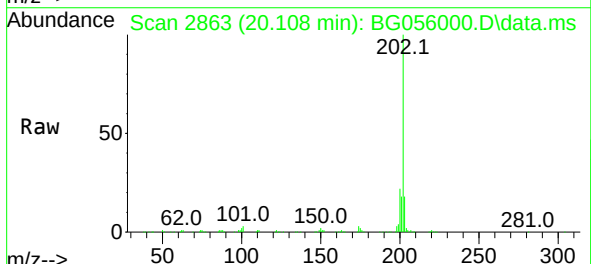
Tgt Ion:240 Resp: 72136
Ion Ratio Lower Upper
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120 1.9 1.7 2.5
236 26.6 21.1 31.7

Manual Integrations
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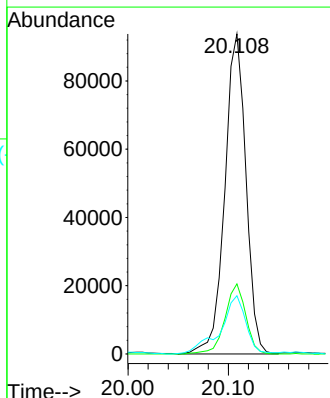
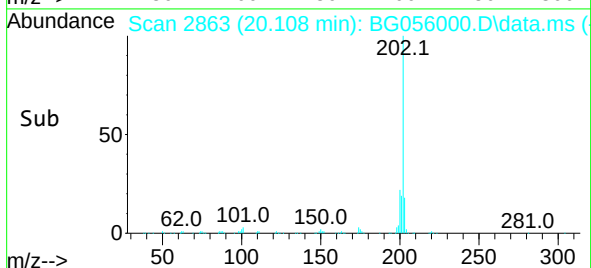
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Supervised By :mohammad ahmed 12/19/2022

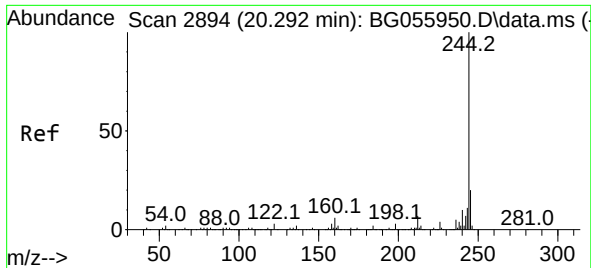


#78
Pyrene
Concen: 31.382 ng
RT: 20.108 min Scan# 2863
Delta R.T. -0.001 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10



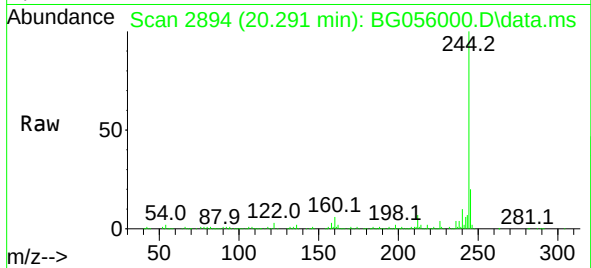
Tgt Ion:202 Resp: 136981
Ion Ratio Lower Upper
202 100
200 21.9 16.7 25.1
203 18.2 14.6 21.8





#79
 Terphenyl-d14
 Concen: 52.284 ng
 RT: 20.291 min Scan# 21339
 Delta R.T. -0.001 min
 Lab File: BG056000.D
 Acq: 16 Dec 2022 19:10

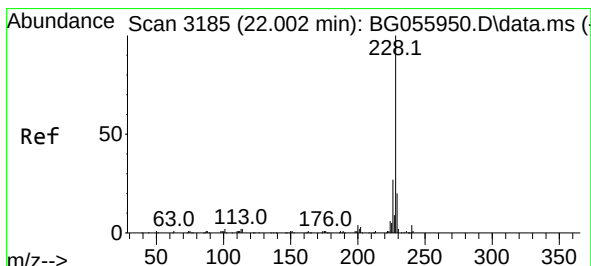
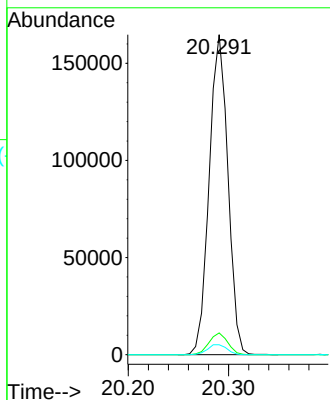
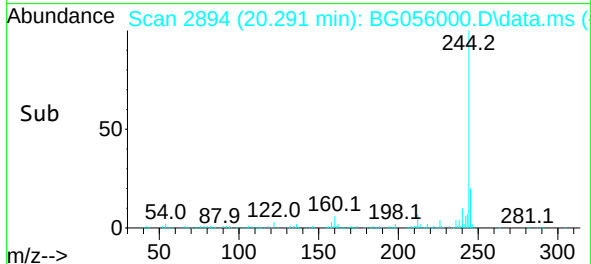
Instrument :
 BNA_G
 ClientSampleId :
 RB-39-(0-2)



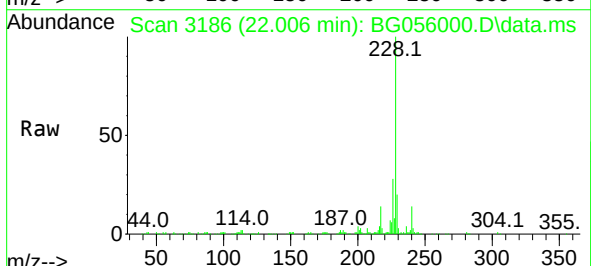
Tgt Ion:244 Resp: 21339
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 3.1 2.5 3.7

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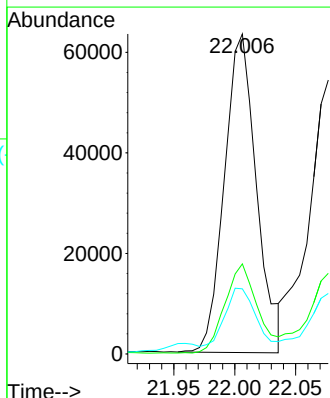
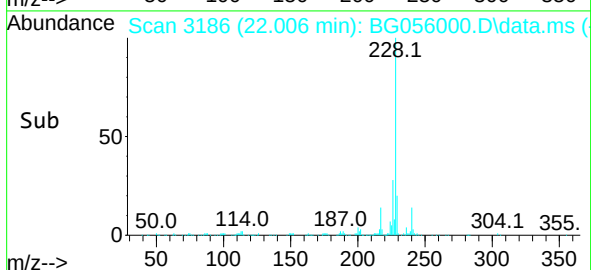
Reviewed By :Yogesh Patel 12/19/2022
 Supervised By :mohammad ahmed 12/19/2022

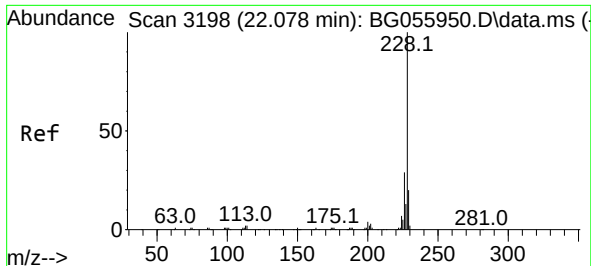


#81
 Benzo(a)anthracene
 Concen: 22.902 ng
 RT: 22.006 min Scan# 3186
 Delta R.T. -0.001 min
 Lab File: BG056000.D
 Acq: 16 Dec 2022 19:10



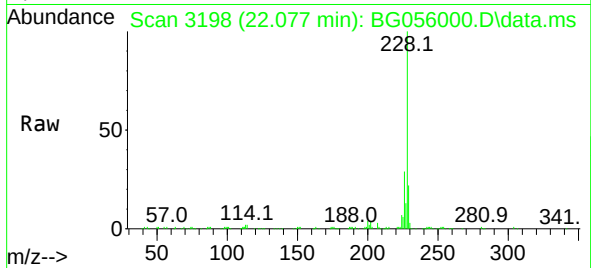
Tgt Ion:228 Resp: 116254
 Ion Ratio Lower Upper
 228 100
 226 28.2 21.8 32.6
 229 20.3 15.9 23.9





#83
Chrysene
Concen: 23.146 ng
RT: 22.077 min Scan# 3198
Delta R.T. -0.007 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

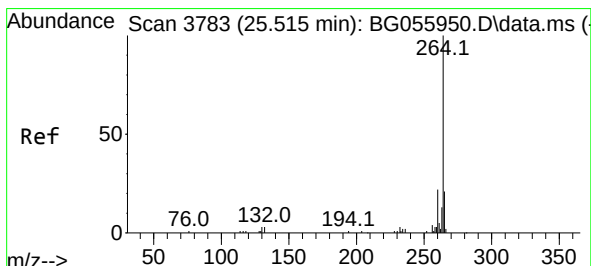
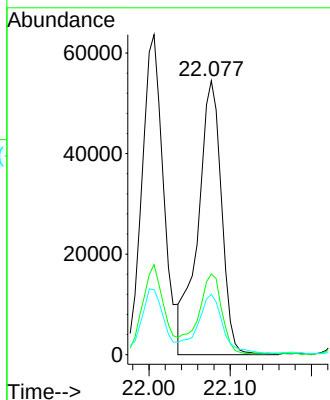
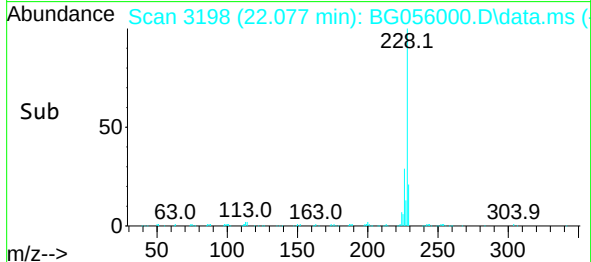
Instrument :
BNA_G
ClientSampleId :
RB-39-(0-2)



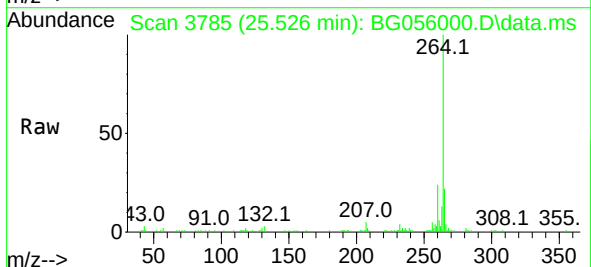
Tgt Ion:228 Resp: 110111
Ion Ratio Lower Upper
228 100
226 29.4 23.1 34.7
229 22.1 15.7 23.5

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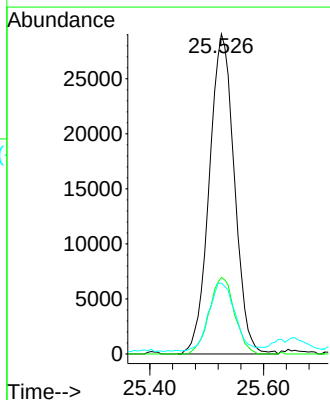
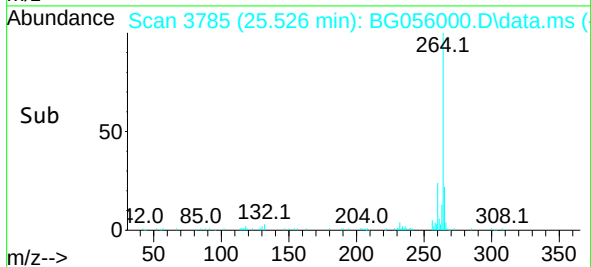
Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022

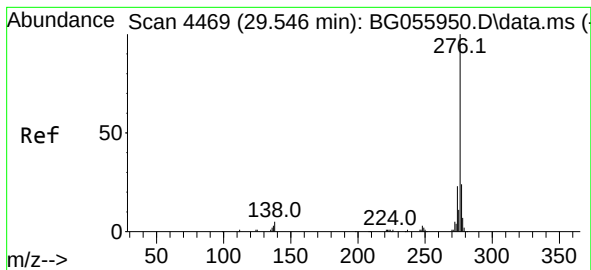


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.526 min Scan# 3785
Delta R.T. -0.007 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10



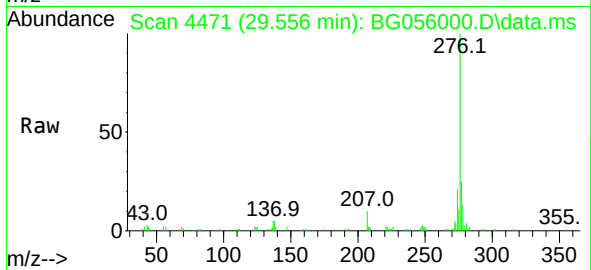
Tgt Ion:264 Resp: 89006
Ion Ratio Lower Upper
264 100
260 23.9 17.8 26.8
265 22.1 16.6 25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 12.097 ng
RT: 29.556 min Scan# 4469
Delta R.T. -0.013 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

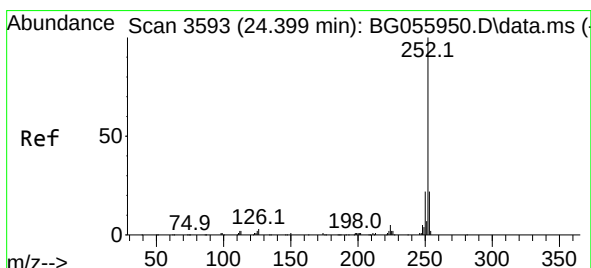
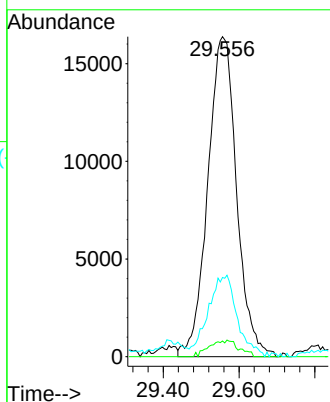
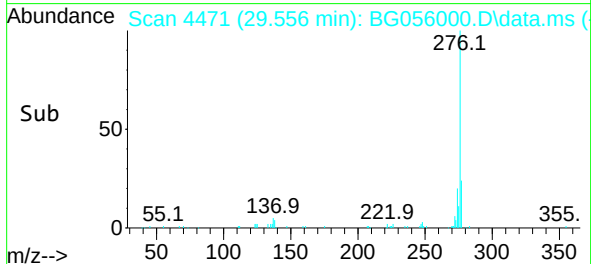
Instrument :
BNA_G
ClientSampleId :
RB-39-(0-2)



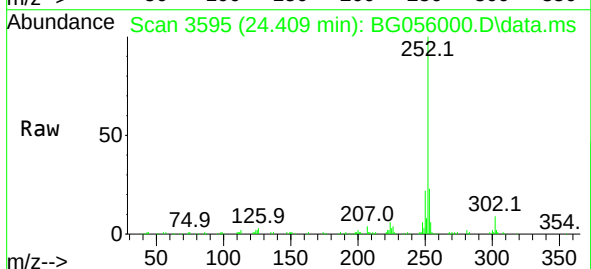
Tgt Ion:276 Resp: 8658
Ion Ratio Lower Upper
276 100
138 5.3 3.0 4.4
277 25.6 20.4 30.6

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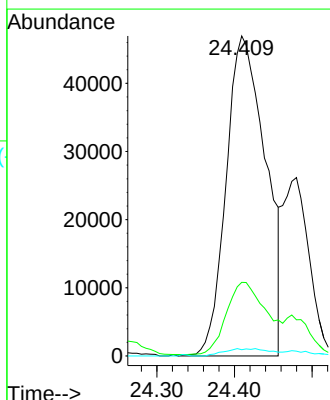
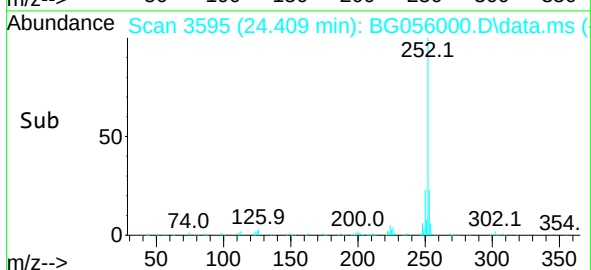
Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022

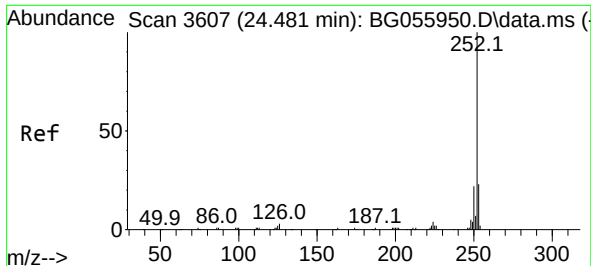


#88
Benzo(b)fluoranthene
Concen: 28.836 ng
RT: 24.409 min Scan# 3595
Delta R.T. -0.007 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10



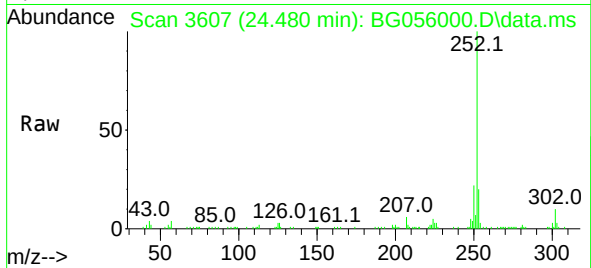
Tgt Ion:252 Resp: 166104
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 2.0 1.8 2.8





#89
Benzo(k)fluoranthene
Concen: 10.478 ng m
RT: 24.480 min Scan# 30
Delta R.T. -0.007 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

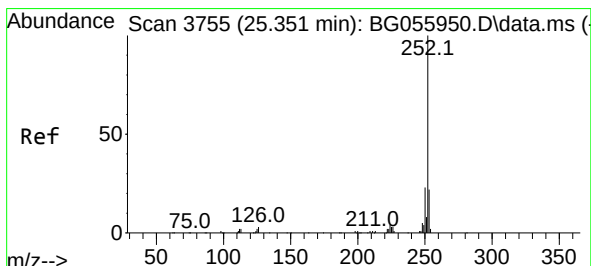
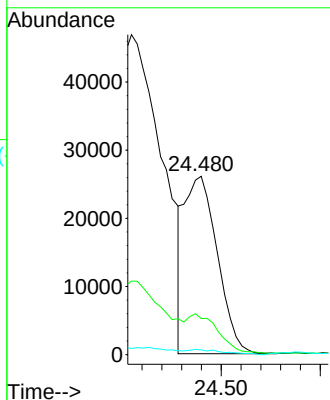
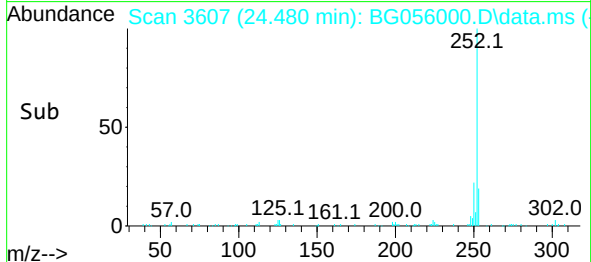
Instrument :
BNA_G
ClientSampleId :
RB-39-(0-2)



Tgt Ion:252 Resp: 6022
Ion Ratio Lower Upper
252 100
253 20.3 18.2 27.2
125 2.7 2.0 3.0

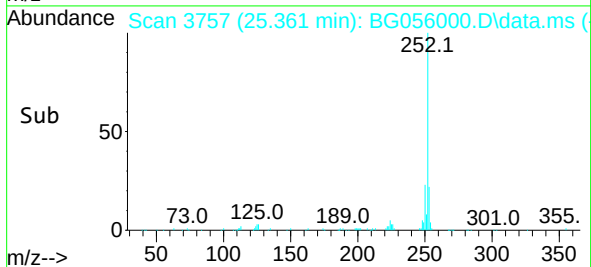
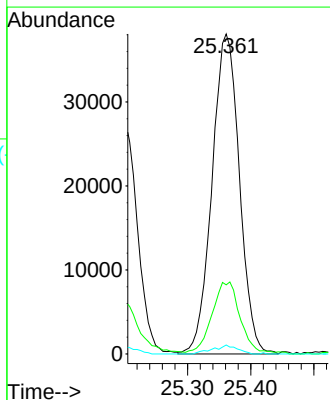
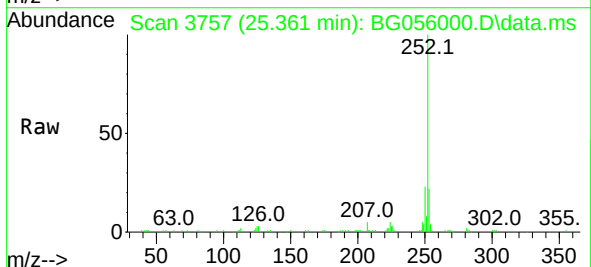
Manual Integrations
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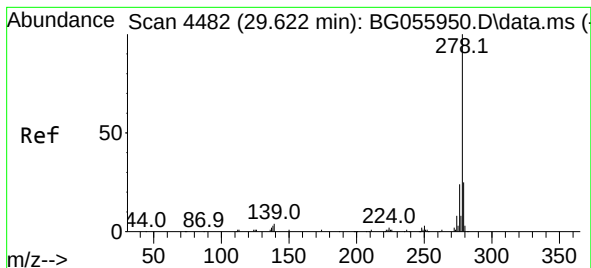
Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022



#90
Benzo(a)pyrene
Concen: 23.554 ng
RT: 25.361 min Scan# 3757
Delta R.T. -0.013 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

Tgt Ion:252 Resp: 114687
Ion Ratio Lower Upper
252 100
253 21.6 17.7 26.5
125 2.8 1.9 2.9





#91

Dibenzo(a,h)anthracene

Concen: 4.488 ng

RT: 29.615 min Scan# 4481

Delta R.T. -0.036 min

Lab File: BG056000.D

Acq: 16 Dec 2022 19:10

Instrument :

BNA_G

ClientSampleId :

RB-39-(0-2)

Tgt Ion: 278 Resp: 2688

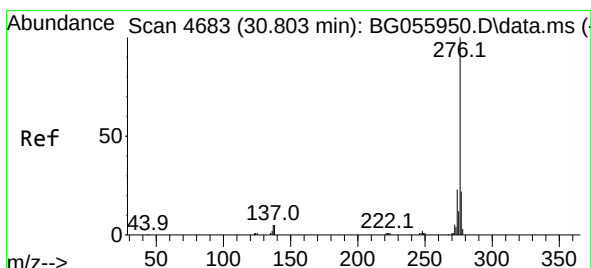
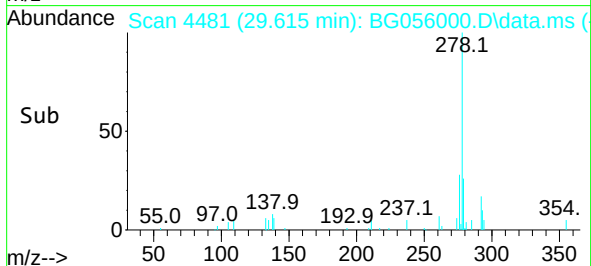
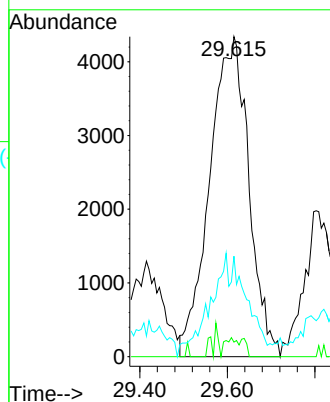
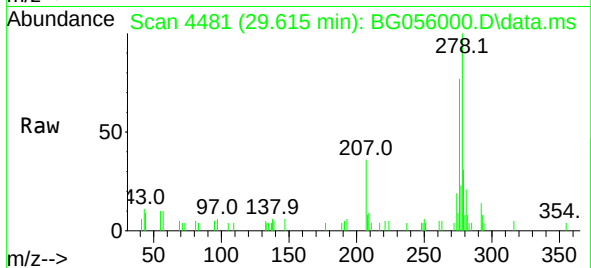
Ion	Ratio	Lower	Upper
278	100		
139	4.6	2.9	4.3
279	31.4	20.0	30.0

Manual Integrations

APPROVED

Reviewed By : Yogesh Patel 12/19/2022

Supervised By : mohammad ahmed 12/19/2022



#92

Benzo(g,h,i)perylene

Concen: 12.913 ng

RT: 30.819 min Scan# 4686

Delta R.T. -0.019 min

Lab File: BG056000.D

Acq: 16 Dec 2022 19:10

Tgt Ion: 276 Resp: 74794

Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.8	26.6
138	5.5	3.8	5.6

