

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050724\
 Data File : BG061136.D
 Acq On : 7 May 2024 17:53
 Operator : MA/JU
 Sample : P2312-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-125-SB-01

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/08/2024
 Supervised By :mohammad ahmed 05/08/2024

Quant Time: May 07 18:41:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.935	152	27607	20.000	ng	-0.03
21) Naphthalene-d8	10.731	136	113929	20.000	ng	#-0.03
39) Acenaphthene-d10	14.562	164	87458	20.000	ng	-0.03
64) Phenanthrene-d10	17.312	188	198888	20.000	ng	-0.02
76) Chrysene-d12	21.572	240	192404	20.000	ng	-0.02
86) Perylene-d12	24.703	264	231253	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	121943	89.832	ng	-0.02
7) Phenol-d6	7.112	99	170972	85.141	ng	-0.02
23) Nitrobenzene-d5	9.086	82	126201	54.912	ng	-0.03
42) 2,4,6-Tribromophenol	16.055	330	134220	76.779	ng	-0.02
45) 2-Fluorobiphenyl	13.187	172	337272	57.025	ng	-0.02
79) Terphenyl-d14	19.932	244	612371	52.933	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.353	178	22340	2.457	ng	98
75) Fluoranthene	19.368	202	55974	4.493	ng	98
78) Pyrene	19.727	202	51123	4.179	ng	98
81) Benzo(a)anthracene	21.554	228	34529m	2.742	ng	
83) Chrysene	21.619	228	37277	3.160	ng	98
88) Benzo(b)fluoranthene	23.716	252	36677	2.838	ng	# 95
90) Benzo(a)pyrene	24.539	252	25233m	2.241	ng	

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

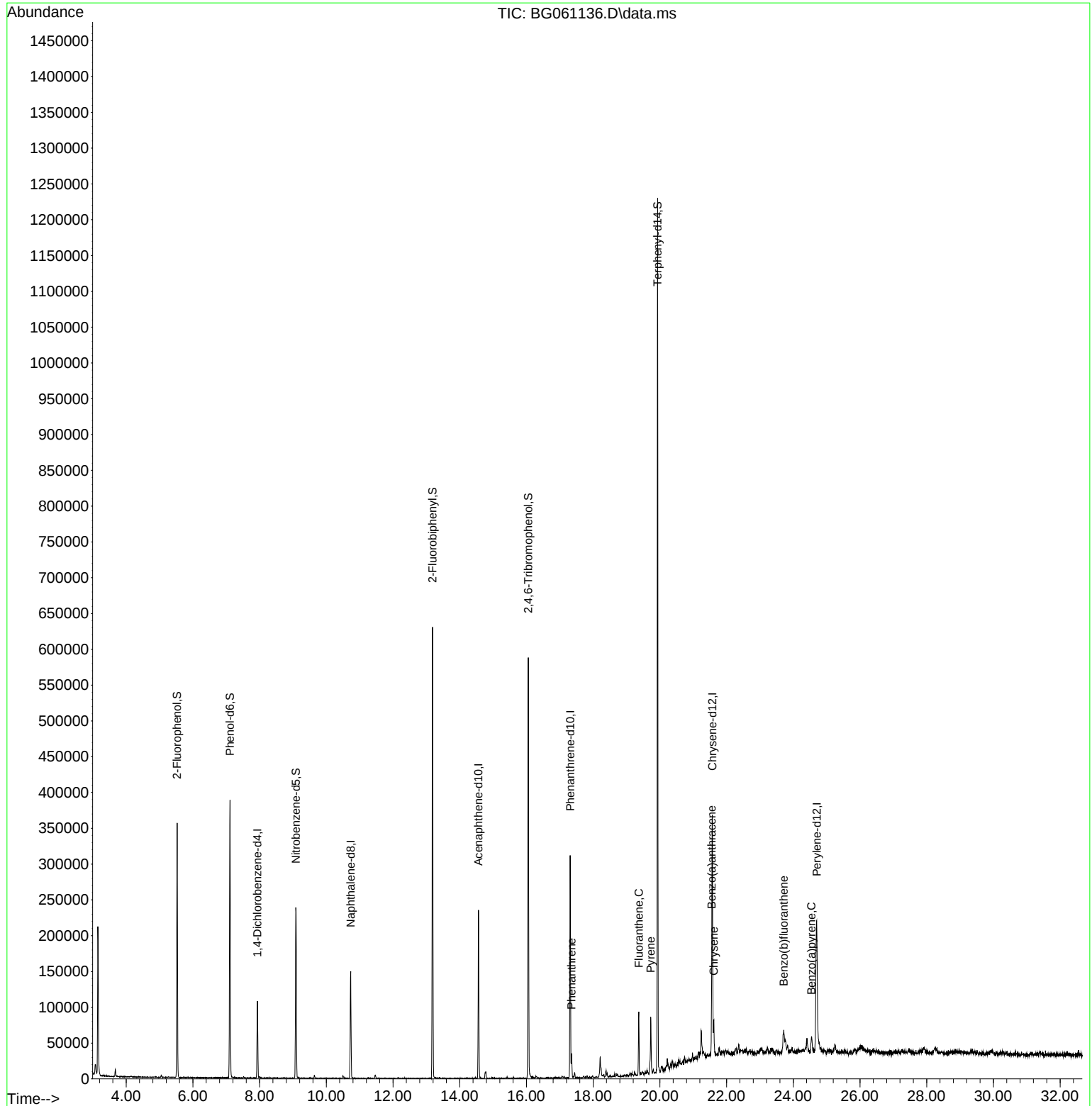
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050724\
Data File : BG061136.D
Acq On : 7 May 2024 17:53
Operator : MA/JU
Sample : P2312-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

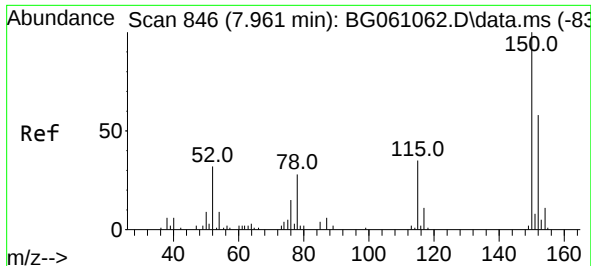
Instrument :
BNA_G
ClientSampleId :
B-125-SB-01

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/08/2024
Supervised By :mohammad ahmed 05/08/2024

Quant Time: May 07 18:41:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
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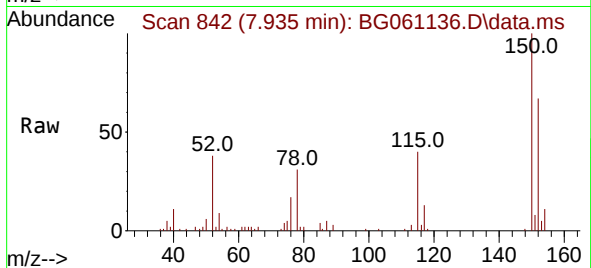
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.935 min Scan# 846
Delta R.T. -0.026 min
Lab File: BG061136.D
Acq: 7 May 2024 17:53

Instrument :

BNA_G

ClientSampleId :

B-125-SB-01



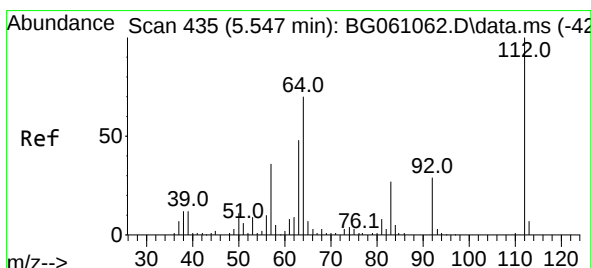
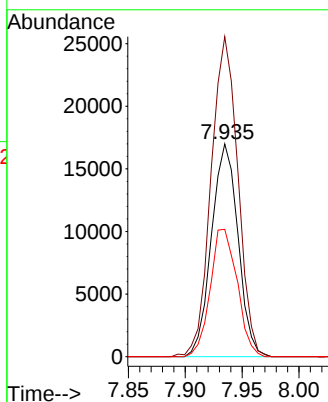
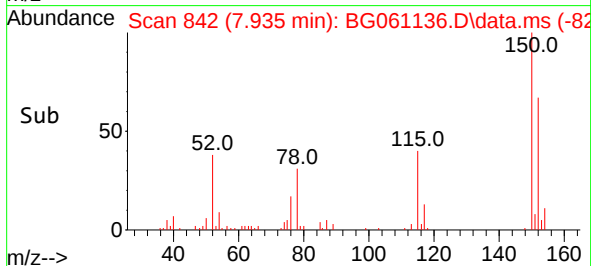
Tgt Ion:152 Resp: 2760
Ion Ratio Lower Upper
152 100
150 150.4 138.3 207.5
115 59.9 48.0 72.0

Manual Integrations

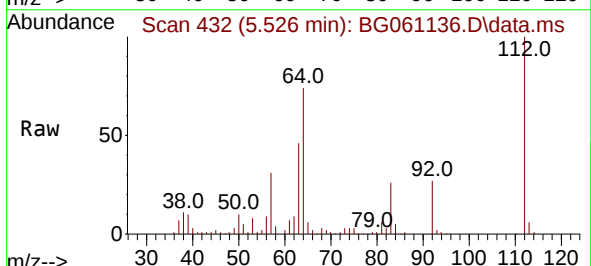
APPROVED

Reviewed By :Yogesh Patel 05/08/2024

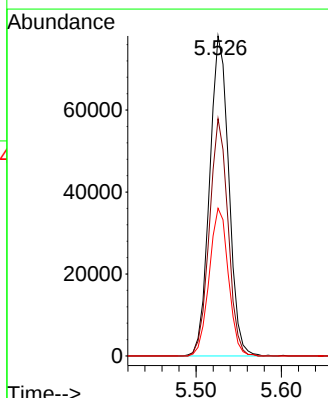
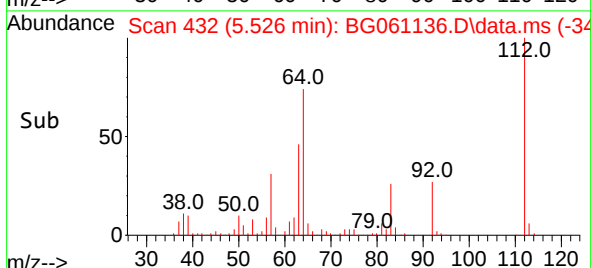
Supervised By :mohammad ahmed 05/08/2024



#5
2-Fluorophenol
Concen: 89.832 ng
RT: 5.526 min Scan# 432
Delta R.T. -0.021 min
Lab File: BG061136.D
Acq: 7 May 2024 17:53



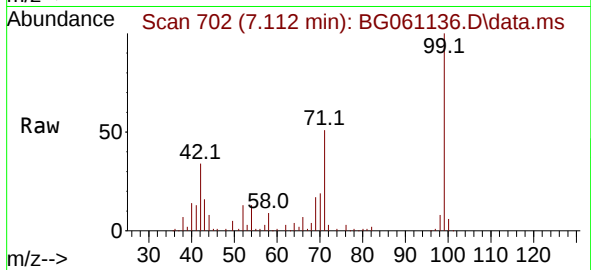
Tgt Ion:112 Resp: 121943
Ion Ratio Lower Upper
112 100
64 74.1 55.7 83.5
63 46.2 38.1 57.1





#7
Phenol-d6
Concen: 85.141 ng
RT: 7.112 min Scan# 705
Delta R.T. -0.021 min
Lab File: BG061136.D
Acq: 7 May 2024 17:53

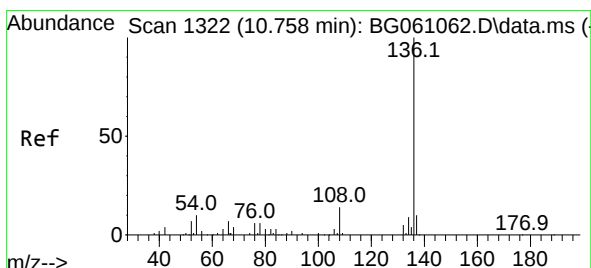
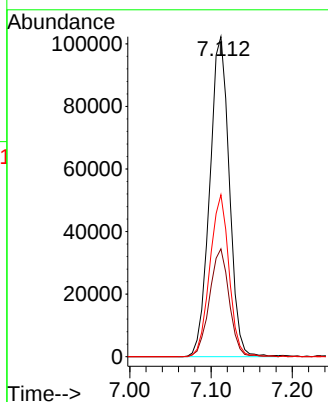
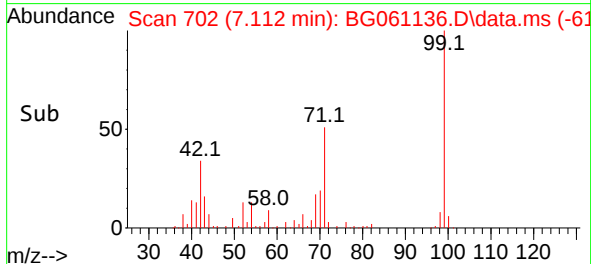
Instrument :
BNA_G
ClientSampleId :
B-125-SB-01



Tgt Ion: 99 Resp: 170972
Ion Ratio Lower Upper
99 100
42 33.7 29.2 43.8
71 50.6 39.7 59.5

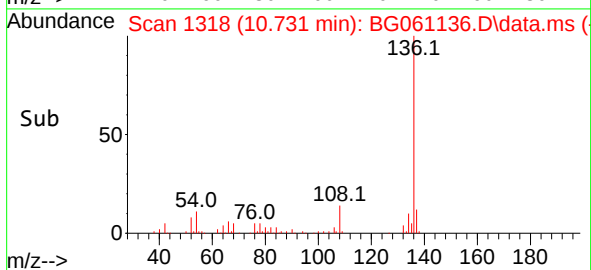
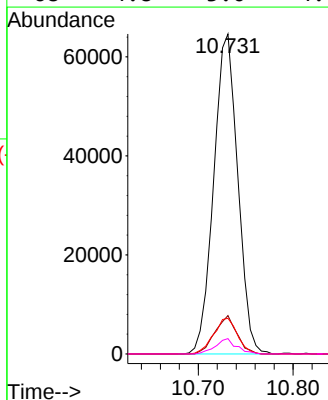
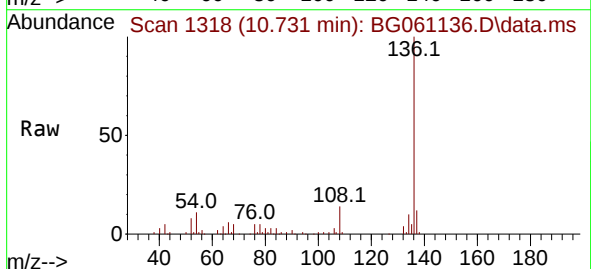
Manual Integrations
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Reviewed By :Yogesh Patel 05/08/2024
Supervised By :mohammad ahmed 05/08/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.731 min Scan# 1318
Delta R.T. -0.027 min
Lab File: BG061136.D
Acq: 7 May 2024 17:53

Tgt Ion:136 Resp: 113929
Ion Ratio Lower Upper
136 100
137 12.0 7.8 11.6#
54 11.2 8.1 12.1
68 4.8 3.0 4.4#





#23

Nitrobenzene-d5

Concen: 54.912 ng

RT: 9.086 min Scan# 1043

Delta R.T. -0.033 min

Lab File: BG061136.D

Acq: 7 May 2024 17:53

Instrument :

BNA_G

ClientSampleId :

B-125-SB-01

Tgt Ion: 82 Resp: 12620

Ion Ratio Lower Upper

82 100

128 38.1 32.7 49.1

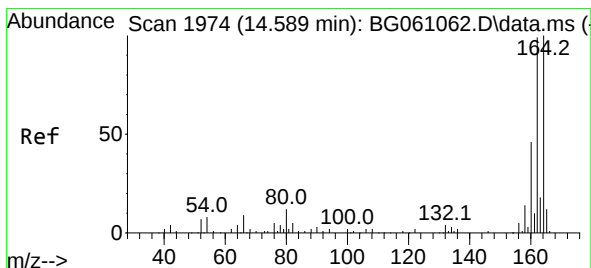
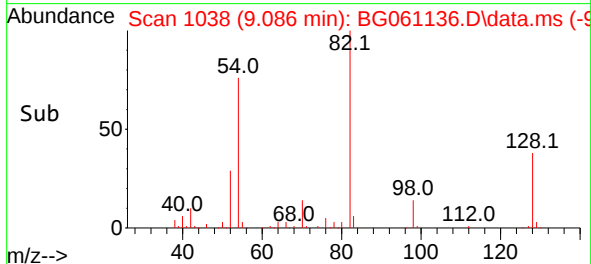
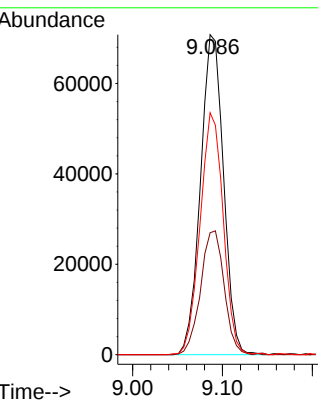
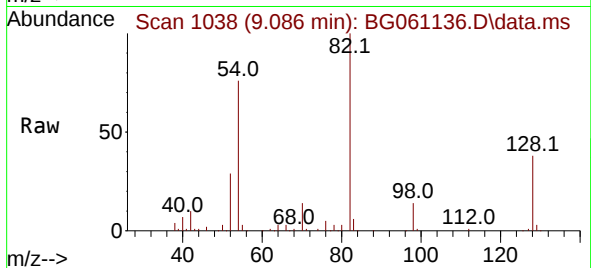
54 75.6 65.6 98.4

Manual Integrations

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Reviewed By :Yogesh Patel 05/08/2024

Supervised By :mohammad ahmed 05/08/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.562 min Scan# 1970

Delta R.T. -0.027 min

Lab File: BG061136.D

Acq: 7 May 2024 17:53

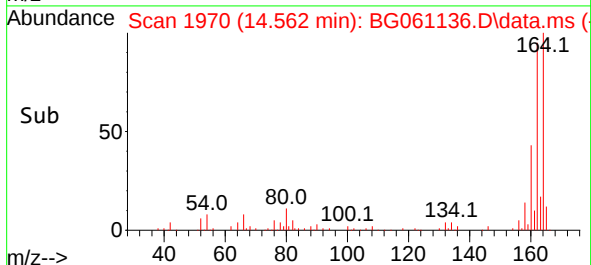
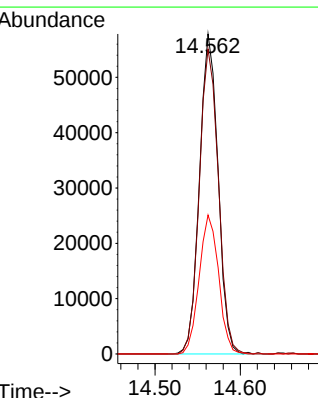
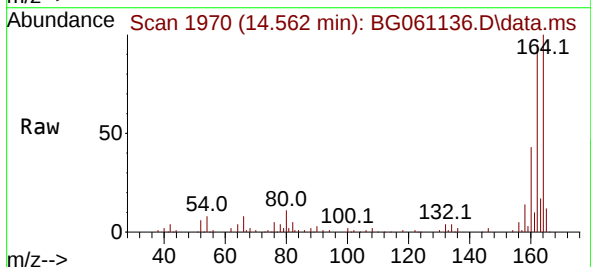
Tgt Ion:164 Resp: 87458

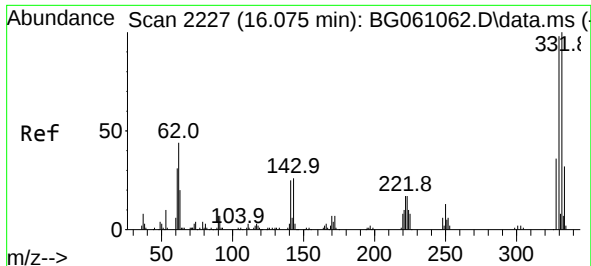
Ion Ratio Lower Upper

164 100

162 95.2 79.4 119.2

160 43.4 37.0 55.6





#42
2,4,6-Tribromophenol
Concen: 76.779 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.021 min
Lab File: BG061136.D
Acq: 7 May 2024 17:53

Instrument :

BNA_G

ClientSampleId :

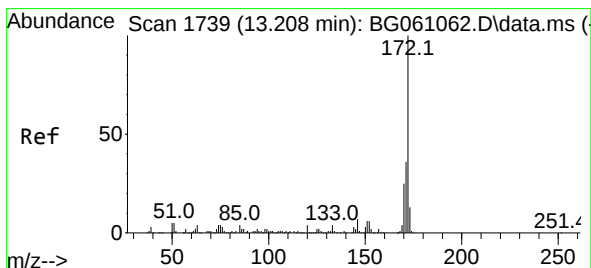
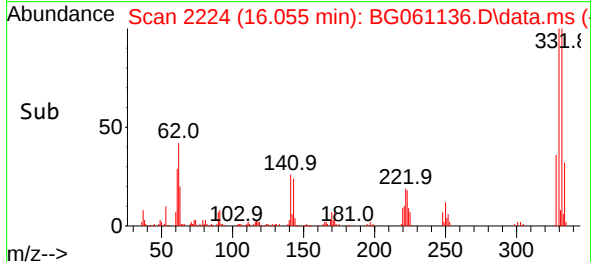
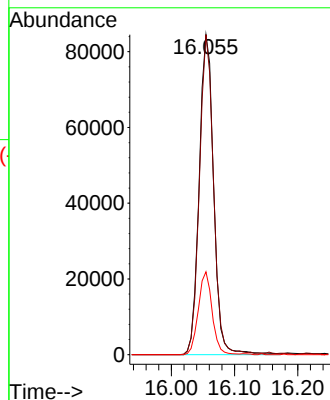
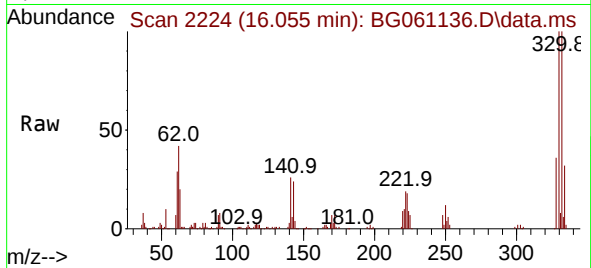
B-125-SB-01

Tgt Ion:330 Resp: 134220
Ion Ratio Lower Upper
330 100
332 97.6 78.6 117.8
141 24.7 20.5 30.7

Manual Integrations

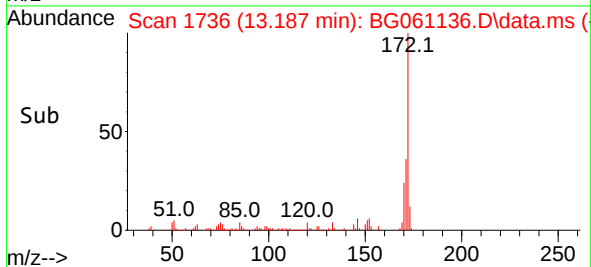
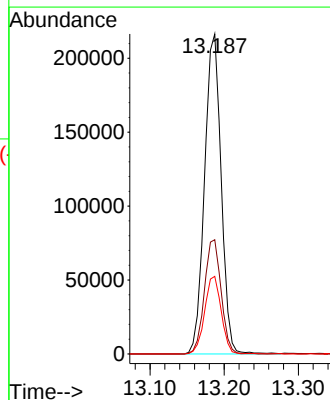
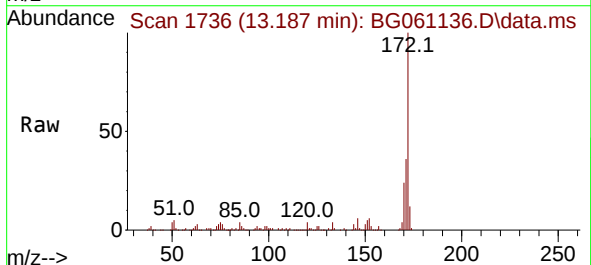
APPROVED

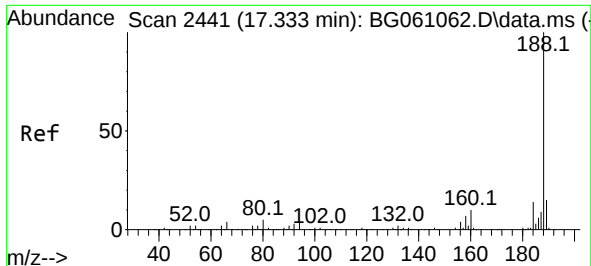
Reviewed By :Yogesh Patel 05/08/2024
Supervised By :mohammad ahmed 05/08/2024



#45
2-Fluorobiphenyl
Concen: 57.025 ng
RT: 13.187 min Scan# 1736
Delta R.T. -0.021 min
Lab File: BG061136.D
Acq: 7 May 2024 17:53

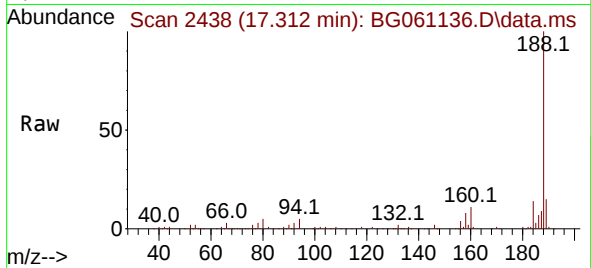
Tgt Ion:172 Resp: 337272
Ion Ratio Lower Upper
172 100
171 35.7 29.0 43.6
170 24.2 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.312 min Scan# 2438
Delta R.T. -0.021 min
Lab File: BG061136.D
Acq: 7 May 2024 17:53

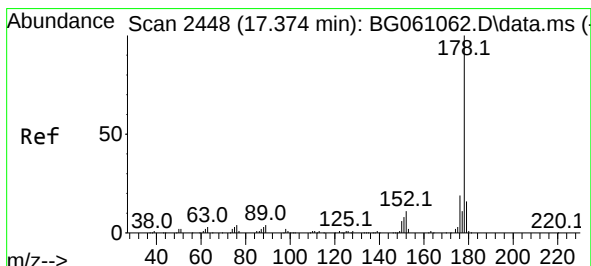
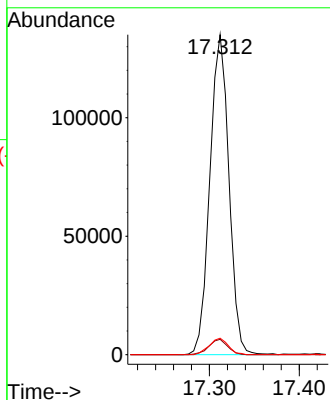
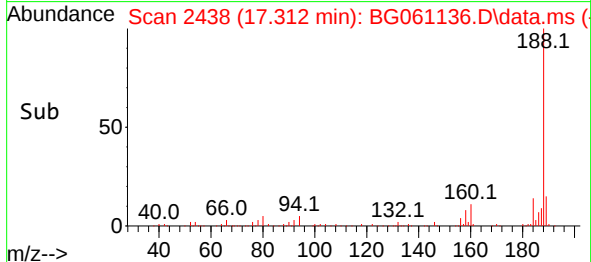
Instrument :
BNA_G
ClientSampleId :
B-125-SB-01



Tgt Ion:188 Resp: 19888
Ion Ratio Lower Upper
188 100
94 4.8 3.6 5.4
80 5.2 4.2 6.2

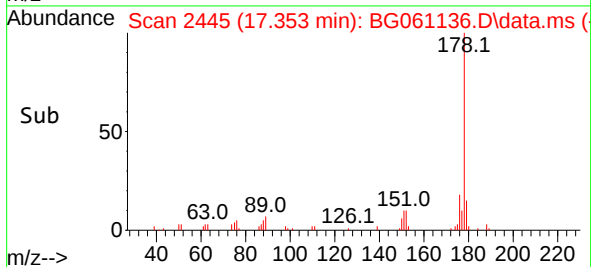
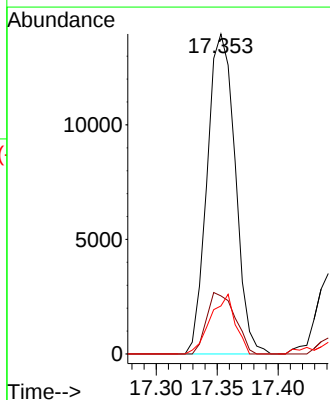
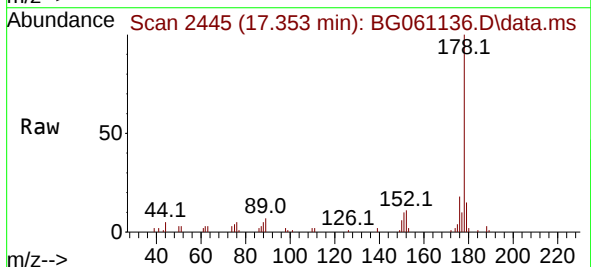
Manual Integrations
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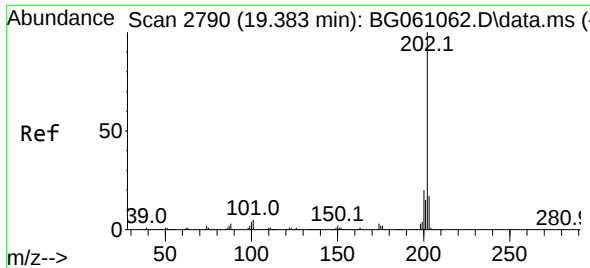
Reviewed By :Yogesh Patel 05/08/2024
Supervised By :mohammad ahmed 05/08/2024



#71
Phenanthrene
Concen: 2.457 ng
RT: 17.353 min Scan# 2445
Delta R.T. -0.021 min
Lab File: BG061136.D
Acq: 7 May 2024 17:53

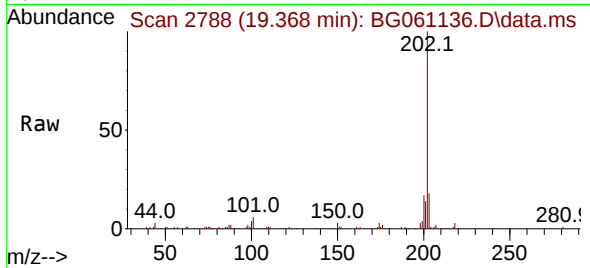
Tgt Ion:178 Resp: 22340
Ion Ratio Lower Upper
178 100
176 18.2 15.5 23.3
179 15.0 12.6 19.0





#75
Fluoranthene
Concen: 4.493 ng
RT: 19.368 min Scan# 21
Delta R.T. -0.015 min
Lab File: BG061136.D
Acq: 7 May 2024 17:53

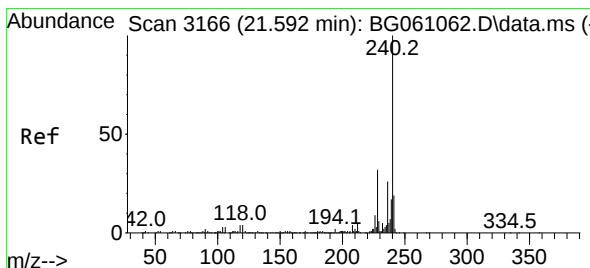
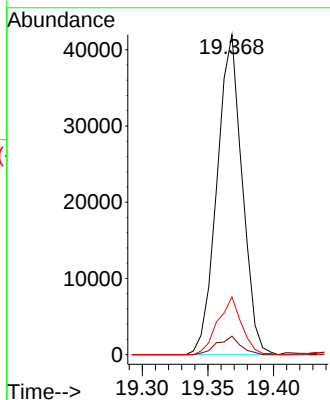
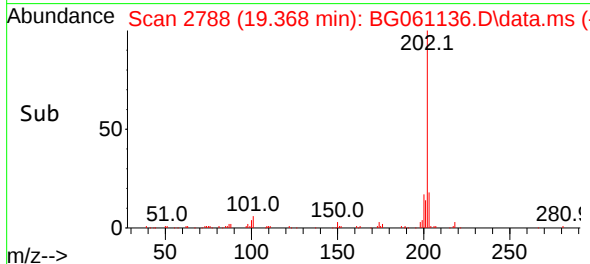
Instrument :
BNA_G
ClientSampleId :
B-125-SB-01



Tgt Ion:202 Resp: 55974
Ion Ratio Lower Upper
202 100
101 5.8 0.0 24.7
203 18.1 0.0 37.1

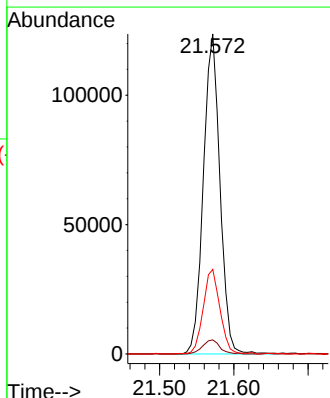
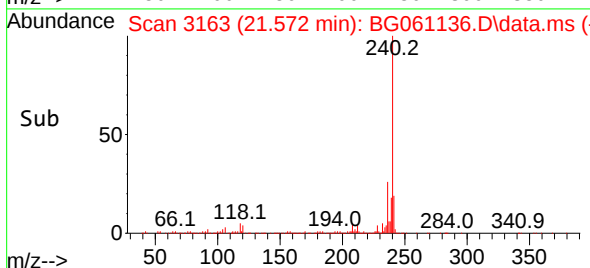
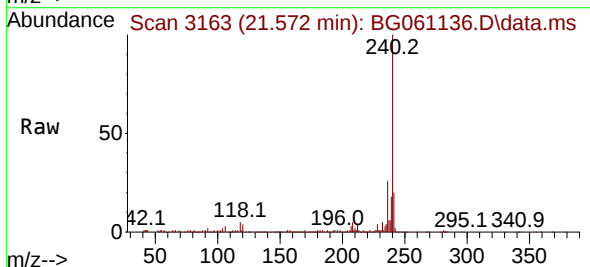
Manual Integrations
APPROVED

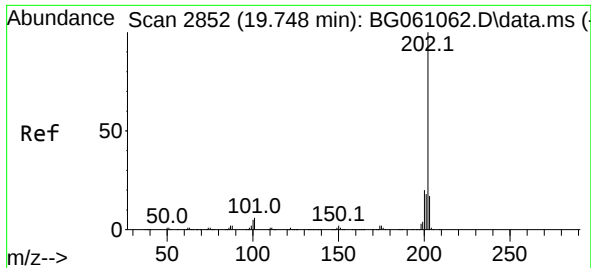
Reviewed By :Yogesh Patel 05/08/2024
Supervised By :mohammad ahmed 05/08/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.572 min Scan# 3163
Delta R.T. -0.021 min
Lab File: BG061136.D
Acq: 7 May 2024 17:53

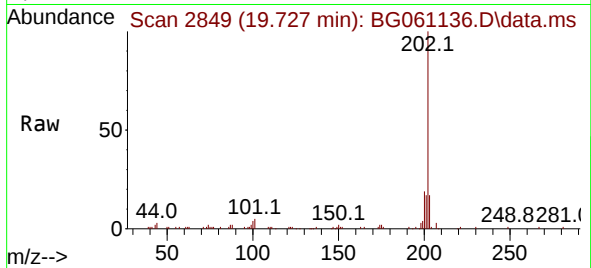
Tgt Ion:240 Resp: 192404
Ion Ratio Lower Upper
240 100
120 4.4 3.2 4.8
236 26.5 21.0 31.6





#78
 Pyrene
 Concen: 4.179 ng
 RT: 19.727 min Scan# 2849
 Delta R.T. -0.021 min
 Lab File: BG061136.D
 Acq: 7 May 2024 17:53

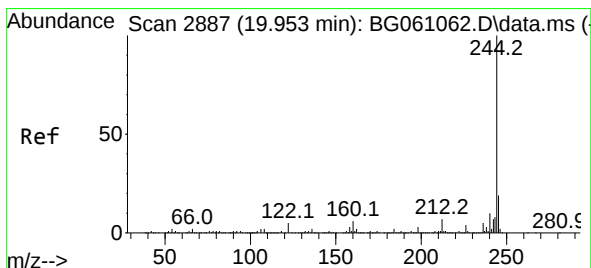
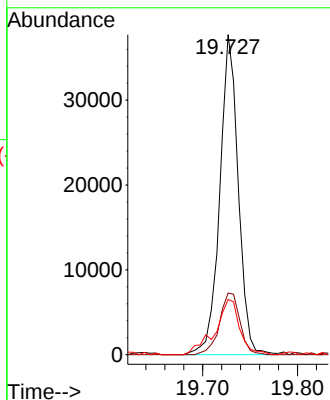
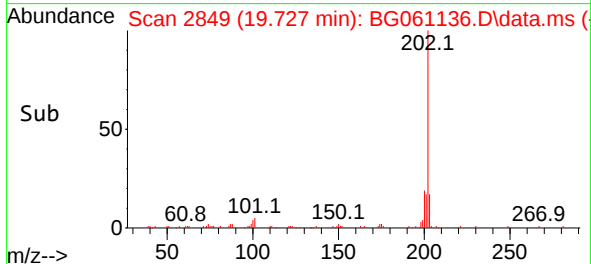
Instrument :
 BNA_G
 ClientSampleId :
 B-125-SB-01



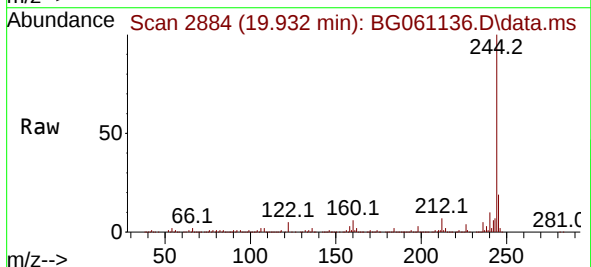
Tgt Ion:202 Resp: 5112
 Ion Ratio Lower Upper
 202 100
 200 19.3 16.2 24.4
 203 17.2 13.3 19.9

Manual Integrations
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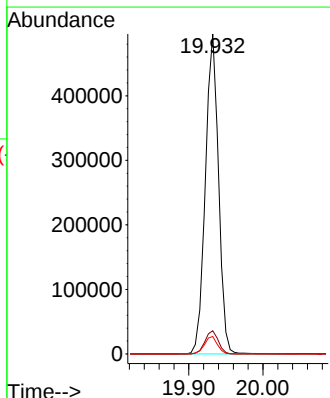
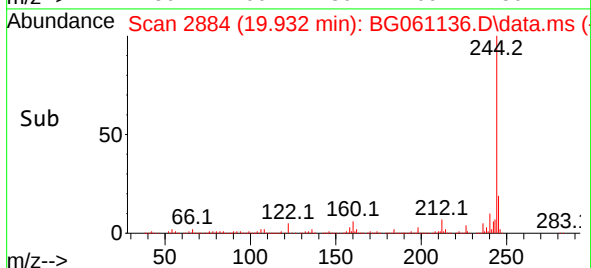
Reviewed By :Yogesh Patel 05/08/2024
 Supervised By :mohammad ahmed 05/08/2024

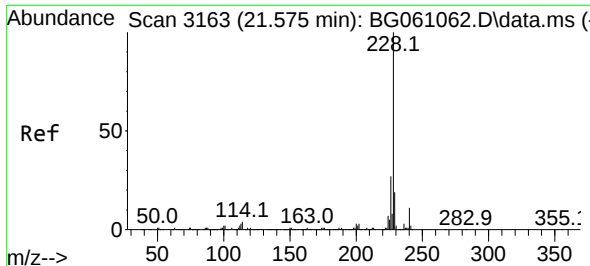


#79
 Terphenyl-d14
 Concen: 52.933 ng
 RT: 19.932 min Scan# 2884
 Delta R.T. -0.021 min
 Lab File: BG061136.D
 Acq: 7 May 2024 17:53



Tgt Ion:244 Resp: 612371
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.7 8.5
 122 5.5 4.2 6.2





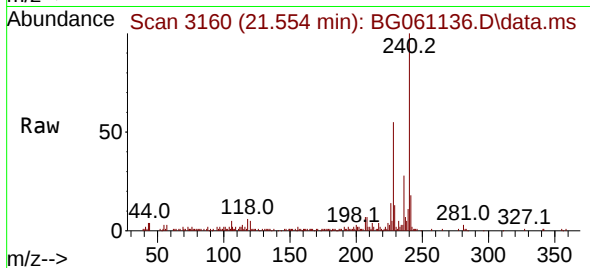
#81
Benzo(a)anthracene
Concen: 2.742 ng m
RT: 21.554 min Scan# 3160
Delta R.T. -0.021 min
Lab File: BG061136.D
Acq: 7 May 2024 17:53

Instrument :

BNA_G

ClientSampleId :

B-125-SB-01

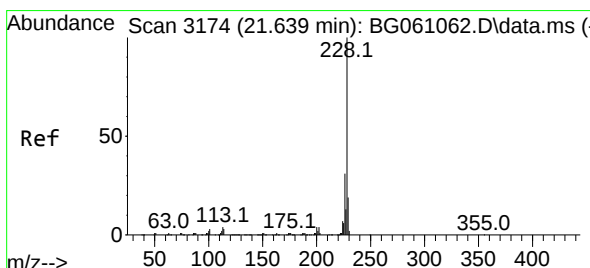
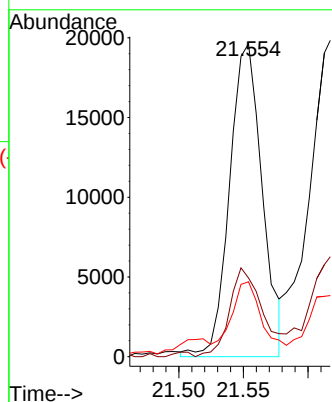
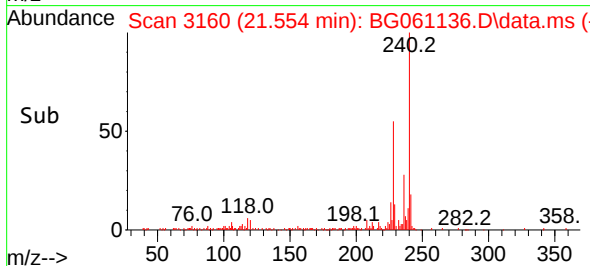


Tgt Ion:228 Resp: 34529
Ion Ratio Lower Upper
228 100
226 25.2 21.6 32.4
229 23.9 15.0 22.4

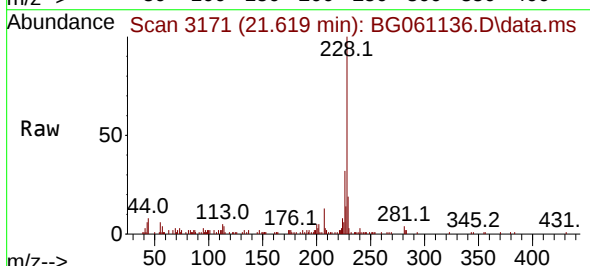
Manual Integrations

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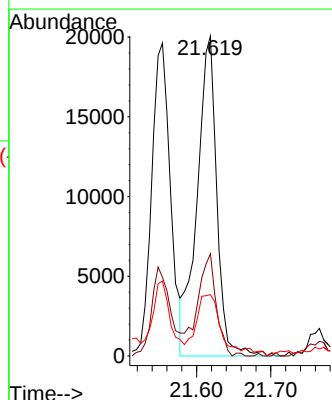
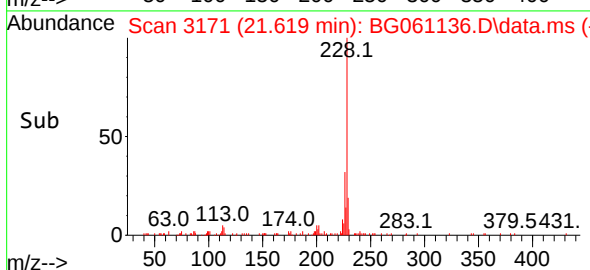
Reviewed By :Yogesh Patel 05/08/2024
Supervised By :mohammad ahmed 05/08/2024

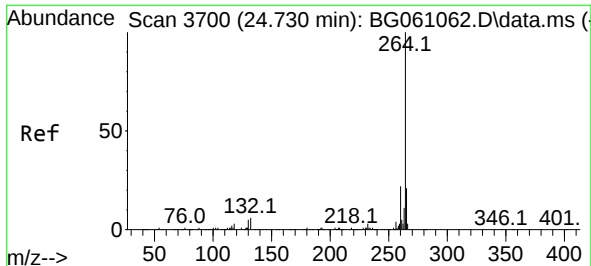


#83
Chrysene
Concen: 3.160 ng
RT: 21.619 min Scan# 3171
Delta R.T. -0.021 min
Lab File: BG061136.D
Acq: 7 May 2024 17:53



Tgt Ion:228 Resp: 37277
Ion Ratio Lower Upper
228 100
226 32.0 24.4 36.6
229 19.2 14.8 22.2





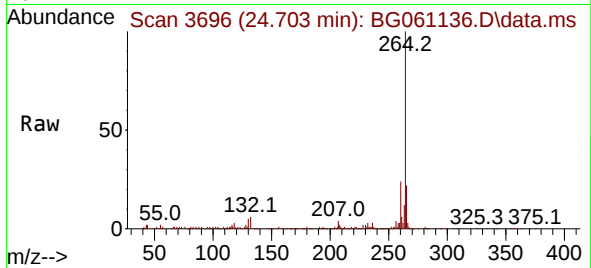
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.703 min Scan# 30
 Delta R.T. -0.027 min
 Lab File: BG061136.D
 Acq: 7 May 2024 17:53

Instrument :

BNA_G

ClientSampleId :

B-125-SB-01

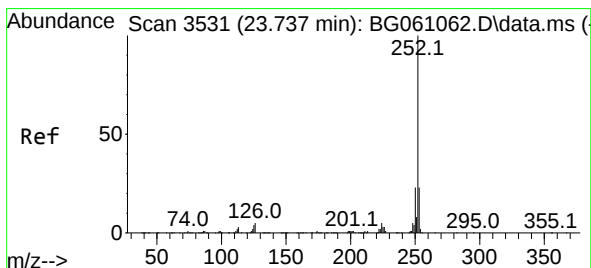
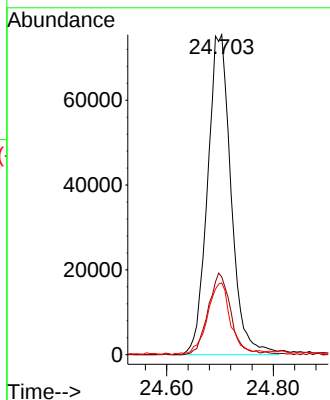
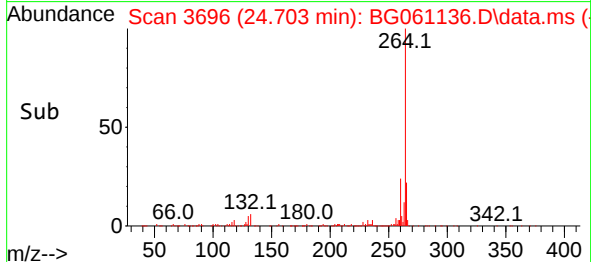


Tgt Ion:264 Resp: 23125
 Ion Ratio Lower Upper
 264 100
 260 24.3 17.7 26.5
 265 22.5 16.4 24.6

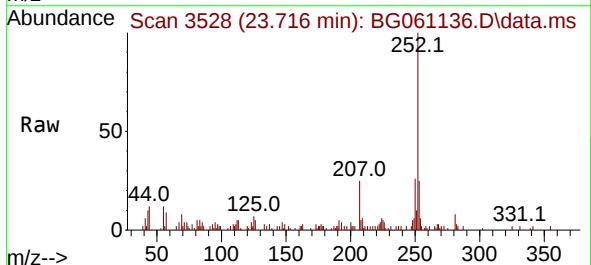
Manual Integrations

APPROVED

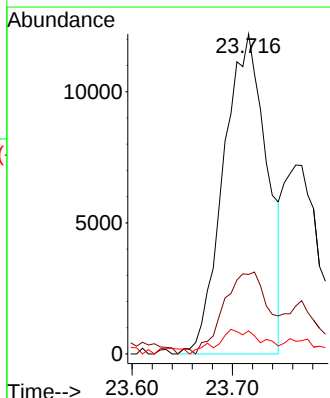
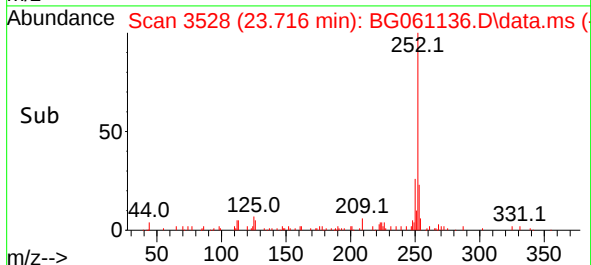
Reviewed By :Yogesh Patel 05/08/2024
 Supervised By :mohammad ahmed 05/08/2024

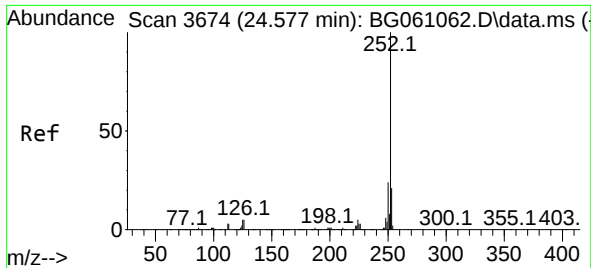


#88
 Benzo(b)fluoranthene
 Concen: 2.838 ng
 RT: 23.716 min Scan# 3528
 Delta R.T. -0.021 min
 Lab File: BG061136.D
 Acq: 7 May 2024 17:53



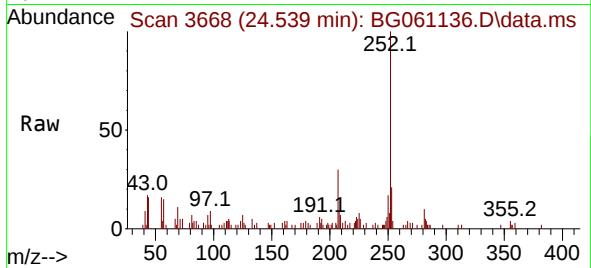
Tgt Ion:252 Resp: 36677
 Ion Ratio Lower Upper
 252 100
 253 24.8 18.2 27.2
 125 7.2 3.4 5.0#





#90
Benzo(a)pyrene
Concen: 2.241 ng m
RT: 24.539 min Scan# 30
Delta R.T. -0.038 min
Lab File: BG061136.D
Acq: 7 May 2024 17:53

Instrument :
BNA_G
ClientSampleId :
B-125-SB-01



Tgt Ion:252 Resp: 2523
Ion Ratio Lower Upper
252 100
253 20.6 16.9 25.3
125 6.5 3.8 5.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/08/2024
Supervised By :mohammad ahmed 05/08/2024

