

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
 Data File : BG061097.D
 Acq On : 2 May 2024 17:28
 Operator : MA/JU
 Sample : P2332-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PAT-DIS-02-05012024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/03/2024
 Supervised By :mohammad ahmed 05/06/2024

Quant Time: May 02 18:42:35 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	30326	20.000	ng	-0.03
21) Naphthalene-d8	10.732	136	113303	20.000	ng	-0.03
39) Acenaphthene-d10	14.563	164	78880	20.000	ng	-0.03
64) Phenanthrene-d10	17.312	188	177224	20.000	ng	-0.02
76) Chrysene-d12	21.572	240	170764	20.000	ng	-0.02
86) Perylene-d12	24.698	264	145312	20.000	ng	#-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	23959	16.067	ng	-0.02
7) Phenol-d6	7.113	99	33058	14.986	ng	-0.02
23) Nitrobenzene-d5	9.087	82	23611	10.330	ng	-0.03
42) 2,4,6-Tribromophenol	16.055	330	24861	15.768	ng	-0.02
45) 2-Fluorobiphenyl	13.188	172	66609	12.487	ng	-0.02
79) Terphenyl-d14	19.933	244	115890	11.287	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.354	178	57523	7.099	ng	99
75) Fluoranthene	19.369	202	78806	7.099	ng	99
78) Pyrene	19.727	202	120881	11.134	ng	98
81) Benzo(a)anthracene	21.555	228	60251	5.392	ng	# 94
83) Chrysene	21.613	228	59751	5.707	ng	# 91
88) Benzo(b)fluoranthene	23.723	252	40499	4.988	ng	# 79
89) Benzo(k)fluoranthene	23.770	252	25824m	3.306	ng	
90) Benzo(a)pyrene	24.551	252	27834	3.935	ng	# 81

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

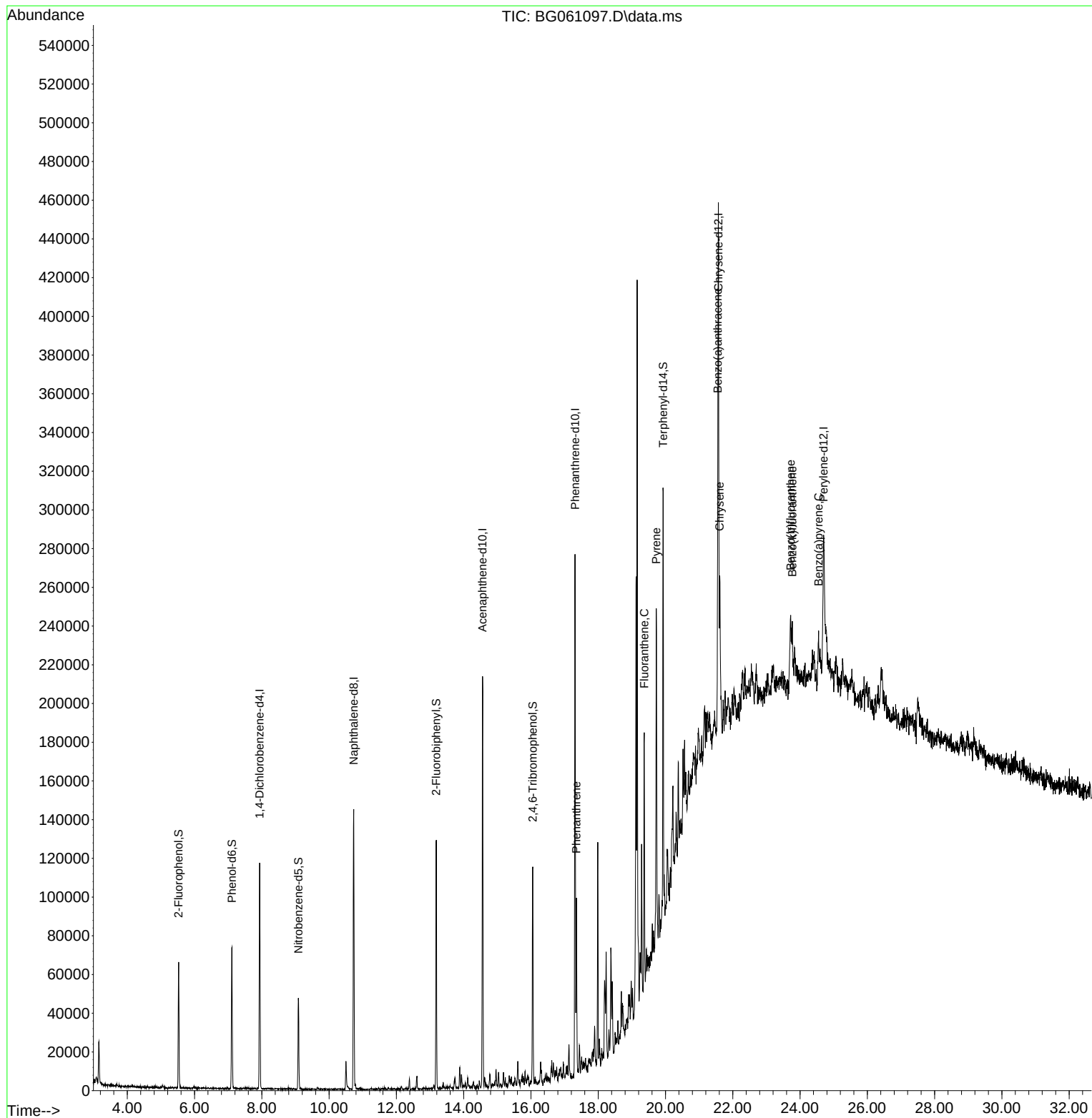
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
Data File : BG061097.D
Acq On : 2 May 2024 17:28
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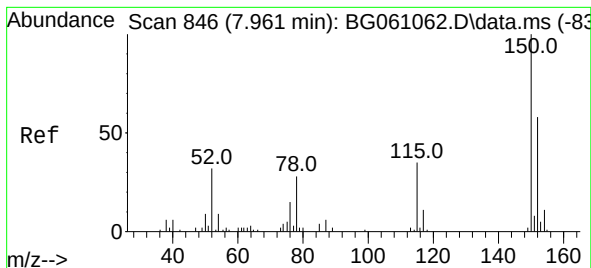
Instrument :
BNA_G
ClientSampleId :
PAT-DIS-02-05012024

Quant Time: May 02 18:42:35 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: BG061097.D

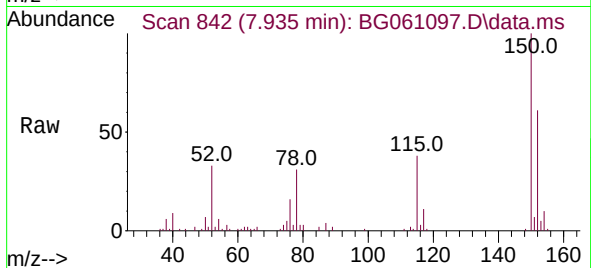
Acq: 2 May 2024 17:28

Instrument :

BNA_G

ClientSampleId :

PAT-DIS-02-05012024



Tgt Ion:152 Resp: 30320

Ion Ratio Lower Upper

152 100

150 165.2 138.3 207.5

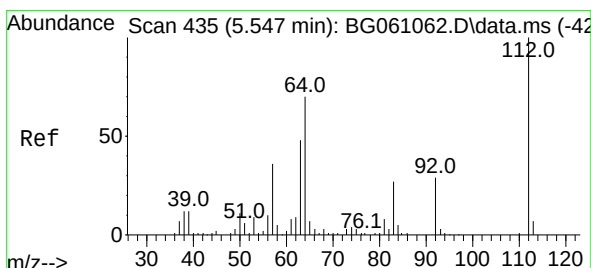
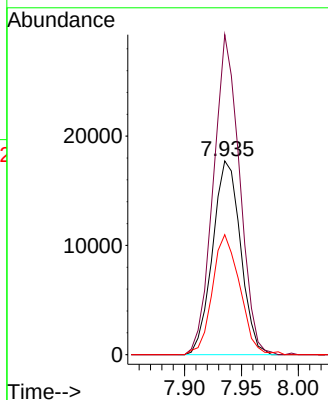
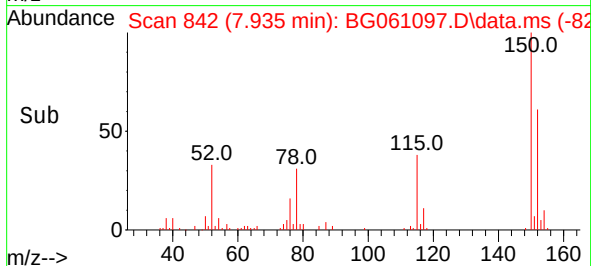
115 62.0 48.0 72.0

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Supervised By :mohammad ahmed 05/06/2024



#5

2-Fluorophenol

Concen: 16.067 ng

RT: 5.526 min Scan# 432

Delta R.T. -0.020 min

Lab File: BG061097.D

Acq: 2 May 2024 17:28

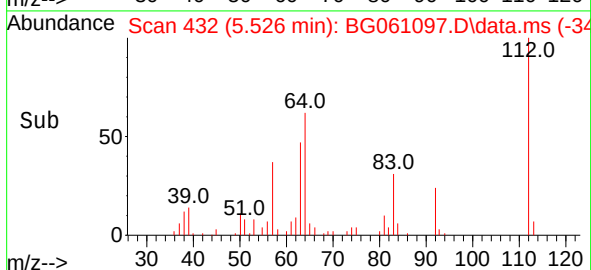
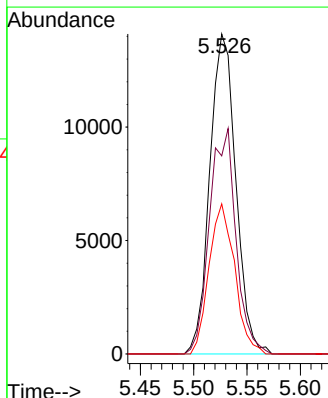
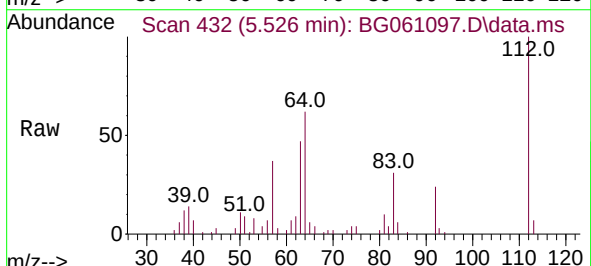
Tgt Ion:112 Resp: 23959

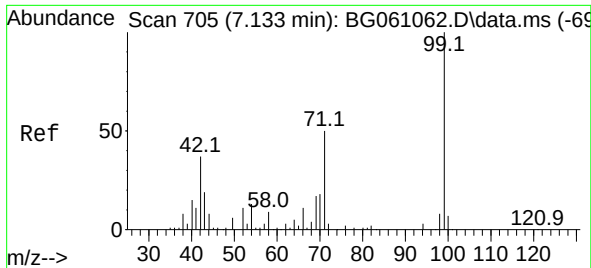
Ion Ratio Lower Upper

112 100

64 61.9 55.7 83.5

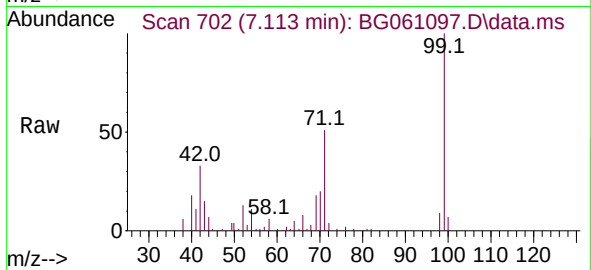
63 46.9 38.1 57.1





#7
Phenol-d6
Concen: 14.986 ng
RT: 7.113 min Scan# 705
Delta R.T. -0.020 min
Lab File: BG061097.D
Acq: 2 May 2024 17:28

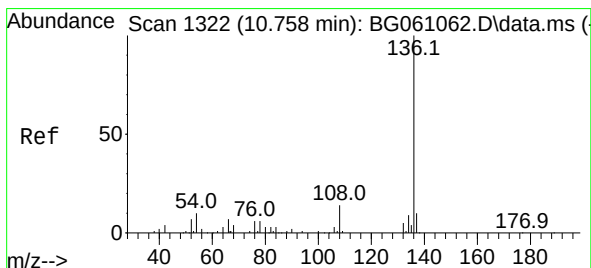
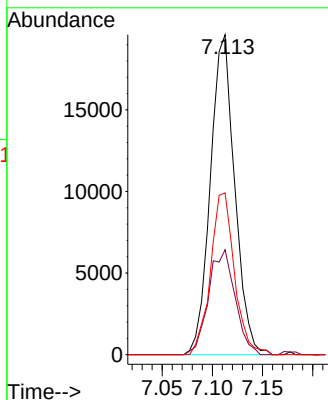
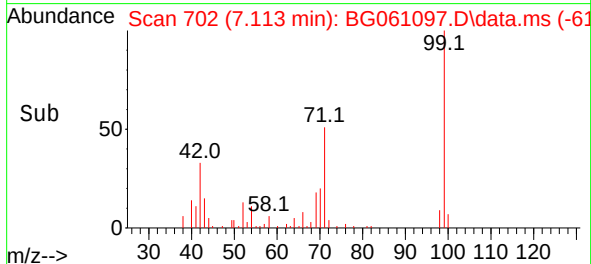
Instrument :
BNA_G
ClientSampleId :
PAT-DIS-02-05012024



Tgt Ion: 99 Resp: 3305
Ion Ratio Lower Upper
99 100
42 32.8 29.2 43.8
71 50.6 39.7 59.5

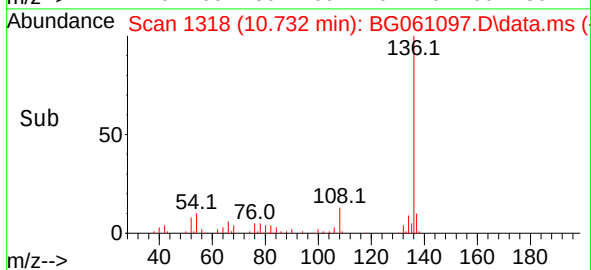
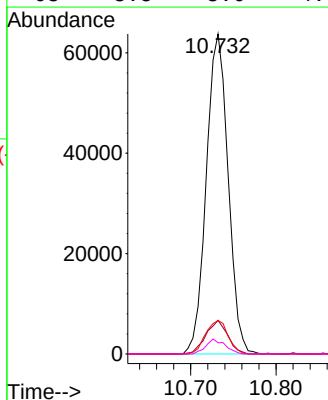
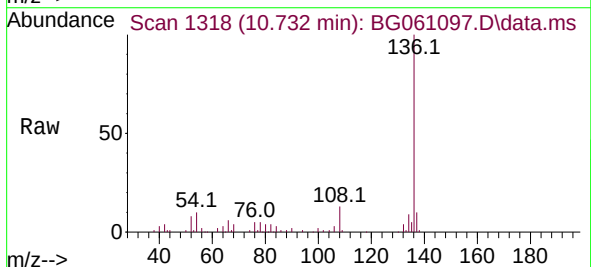
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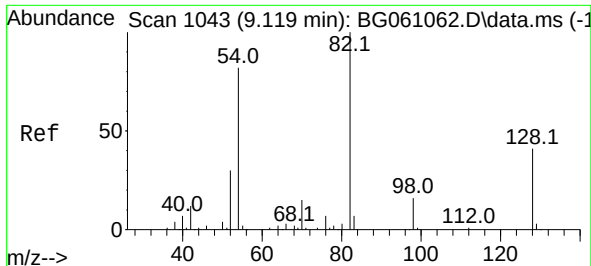
Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.732 min Scan# 1318
Delta R.T. -0.026 min
Lab File: BG061097.D
Acq: 2 May 2024 17:28

Tgt Ion:136 Resp: 113303
Ion Ratio Lower Upper
136 100
137 10.5 7.8 11.6
54 10.4 8.1 12.1
68 3.5 3.0 4.4





#23

Nitrobenzene-d5

Concen: 10.330 ng

RT: 9.087 min Scan# 1043

Delta R.T. -0.032 min

Lab File: BG061097.D

Acq: 2 May 2024 17:28

Instrument :

BNA_G

ClientSampleId :

PAT-DIS-02-05012024

Tgt Ion: 82 Resp: 2361

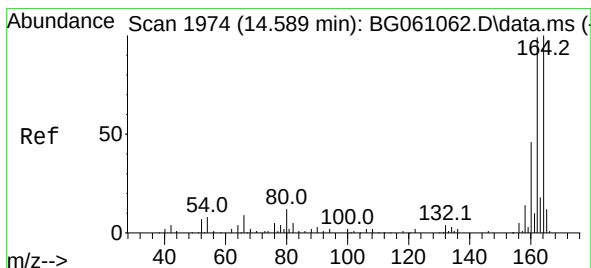
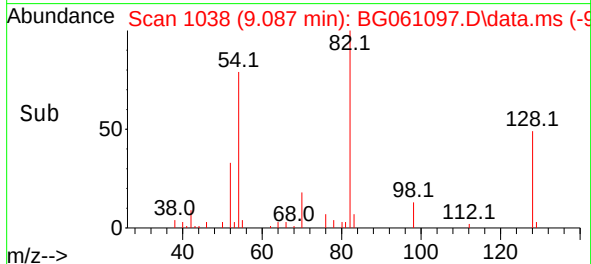
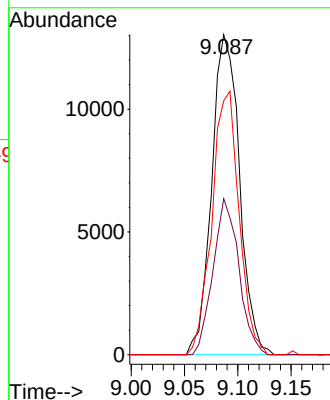
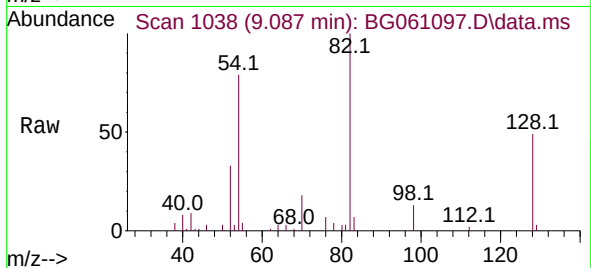
Ion	Ratio	Lower	Upper
82	100		
128	48.8	32.7	49.1
54	79.3	65.6	98.4

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Supervised By :mohammad ahmed 05/06/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.563 min Scan# 1970

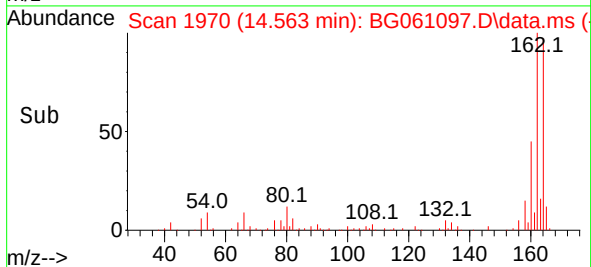
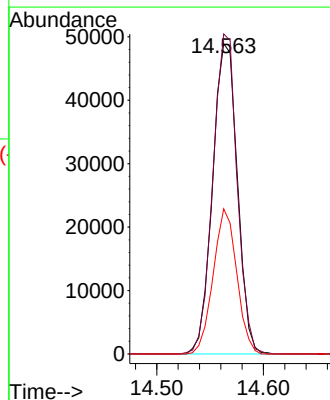
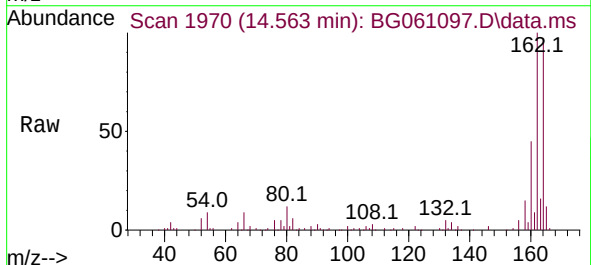
Delta R.T. -0.026 min

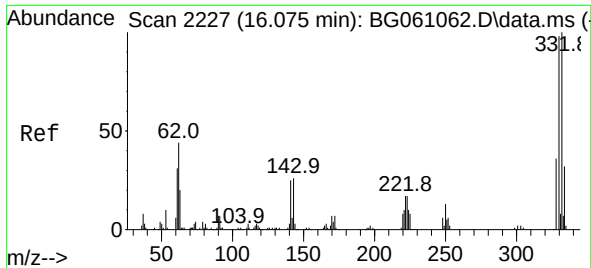
Lab File: BG061097.D

Acq: 2 May 2024 17:28

Tgt Ion:164 Resp: 78880

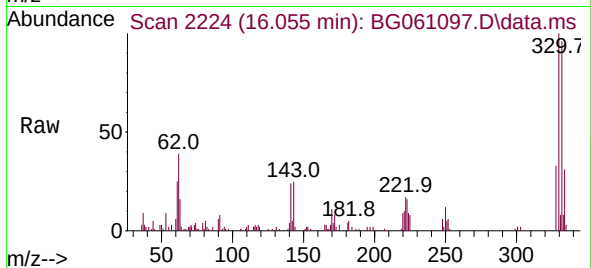
Ion	Ratio	Lower	Upper
164	100		
162	103.1	79.4	119.2
160	46.8	37.0	55.6





#42
2,4,6-Tribromophenol
Concen: 15.768 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.020 min
Lab File: BG061097.D
Acq: 2 May 2024 17:28

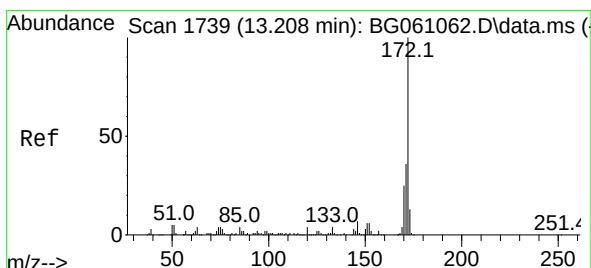
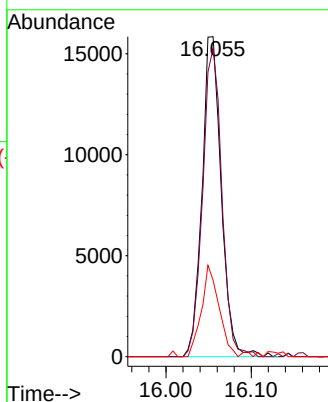
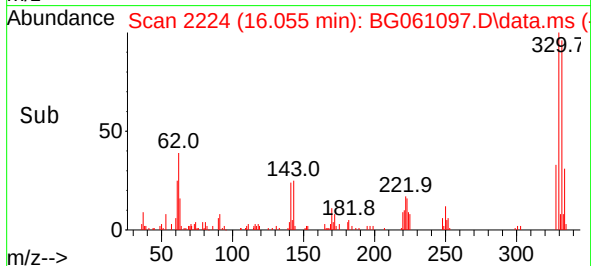
Instrument :
BNA_G
ClientSampleId :
PAT-DIS-02-05012024



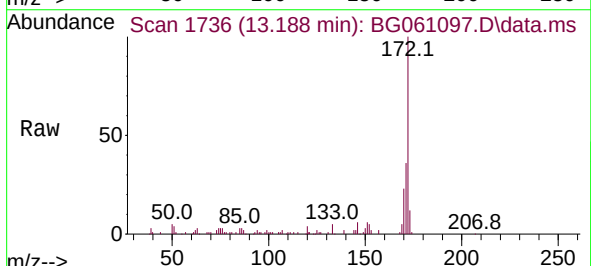
Tgt Ion:330 Resp: 2486
Ion Ratio Lower Upper
330 100
332 96.2 78.6 117.8
141 26.1 20.5 30.7

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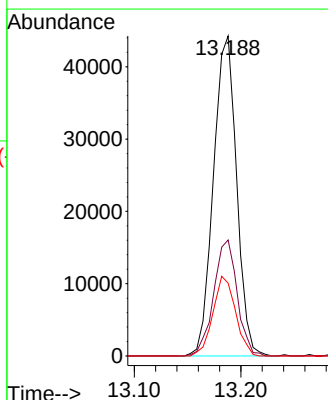
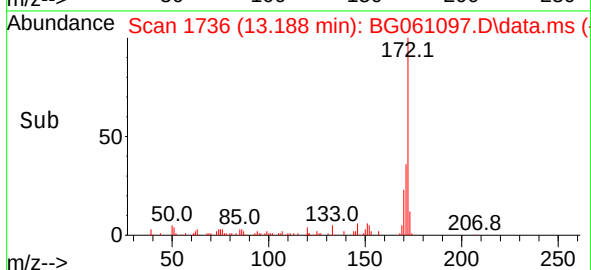
Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024

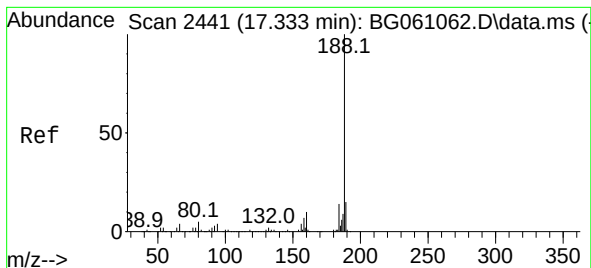


#45
2-Fluorobiphenyl
Concen: 12.487 ng
RT: 13.188 min Scan# 1736
Delta R.T. -0.020 min
Lab File: BG061097.D
Acq: 2 May 2024 17:28



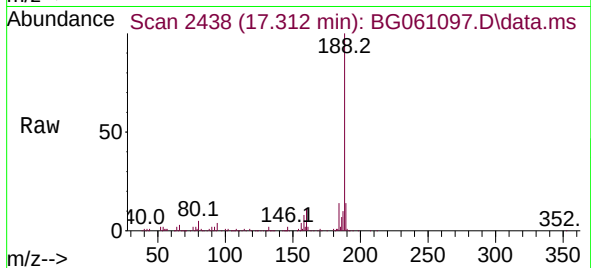
Tgt Ion:172 Resp: 66609
Ion Ratio Lower Upper
172 100
171 36.2 29.0 43.6
170 22.8 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.312 min Scan# 2438
Delta R.T. -0.020 min
Lab File: BG061097.D
Acq: 2 May 2024 17:28

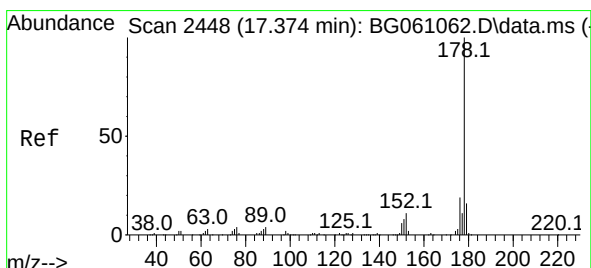
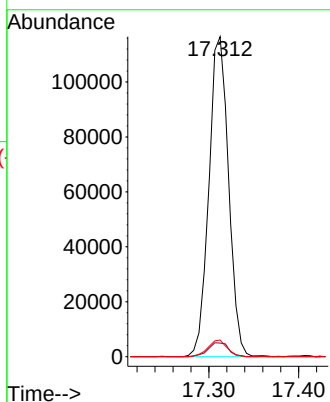
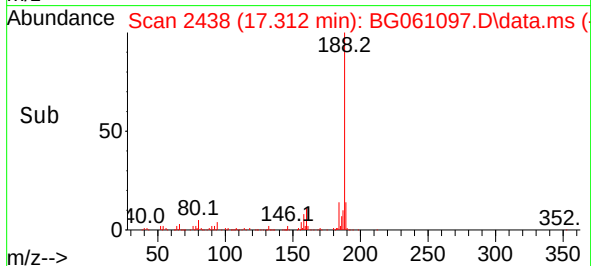
Instrument :
BNA_G
ClientSampleId :
PAT-DIS-02-05012024



Tgt Ion:188 Resp: 177224
Ion Ratio Lower Upper
188 100
94 4.3 3.6 5.4
80 5.2 4.2 6.2

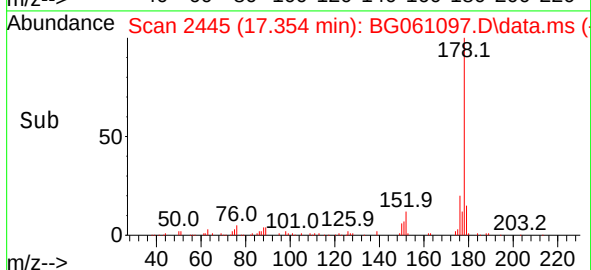
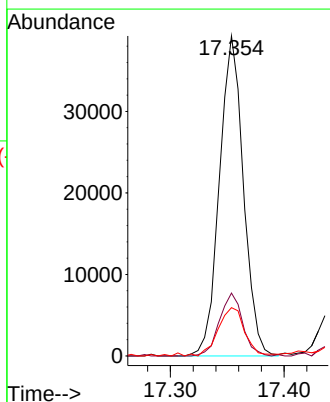
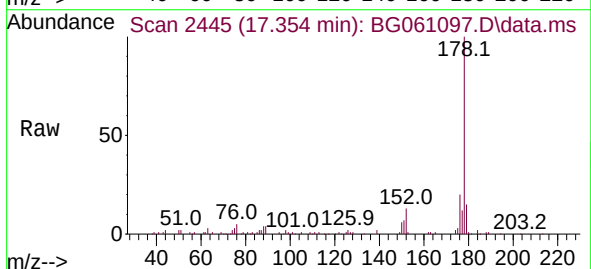
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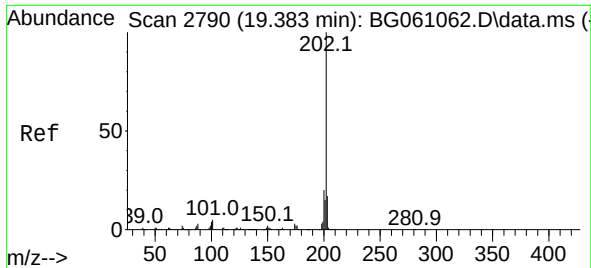
Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



#71
Phenanthrene
Concen: 7.099 ng
RT: 17.354 min Scan# 2445
Delta R.T. -0.020 min
Lab File: BG061097.D
Acq: 2 May 2024 17:28

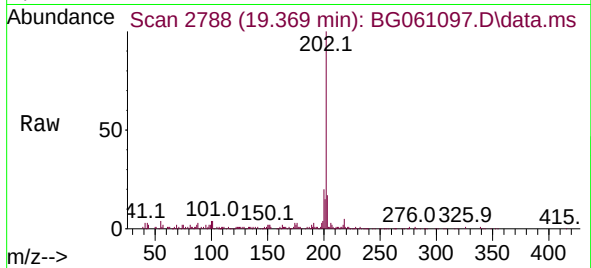
Tgt Ion:178 Resp: 57523
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 15.1 12.6 19.0





#75
Fluoranthene
Concen: 7.099 ng
RT: 19.369 min Scan# 21
Delta R.T. -0.014 min
Lab File: BG061097.D
Acq: 2 May 2024 17:28

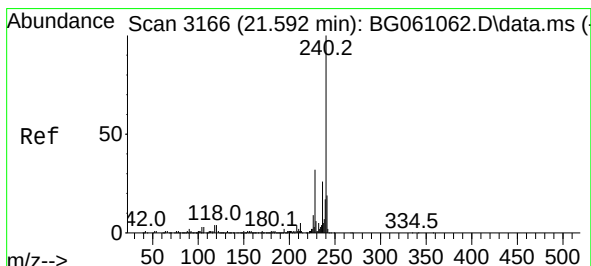
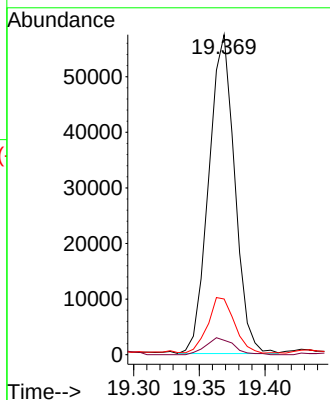
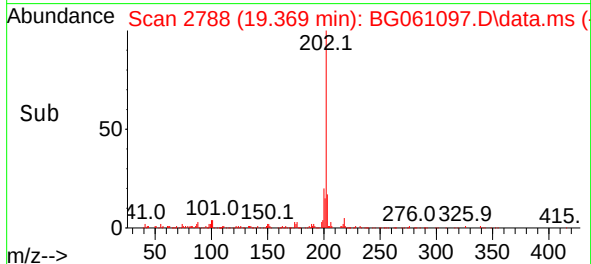
Instrument :
BNA_G
ClientSampleId :
PAT-DIS-02-05012024



Tgt Ion:202 Resp: 78800
Ion Ratio Lower Upper
202 100
101 4.5 0.0 24.7
203 17.4 0.0 37.1

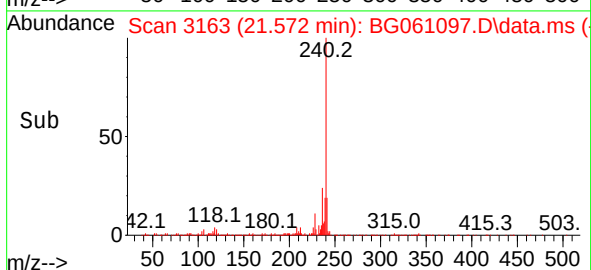
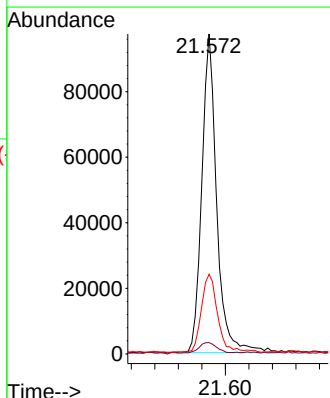
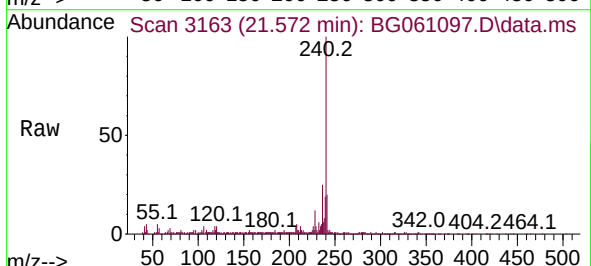
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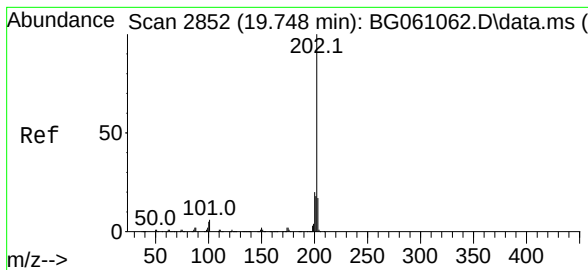
Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.572 min Scan# 3163
Delta R.T. -0.020 min
Lab File: BG061097.D
Acq: 2 May 2024 17:28

Tgt Ion:240 Resp: 170764
Ion Ratio Lower Upper
240 100
120 3.6 3.2 4.8
236 24.9 21.0 31.6





#78

Pyrene

Concen: 11.134 ng

RT: 19.727 min Scan# 2

Delta R.T. -0.020 min

Lab File: BG061097.D

Acq: 2 May 2024 17:28

Instrument :

BNA_G

ClientSampleId :

PAT-DIS-02-05012024

Tgt Ion:202 Resp: 12088

Ion Ratio Lower Upper

202 100

200 19.3 16.2 24.4

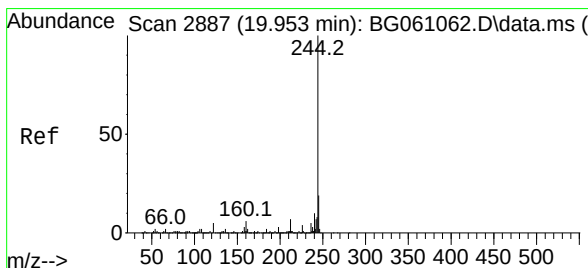
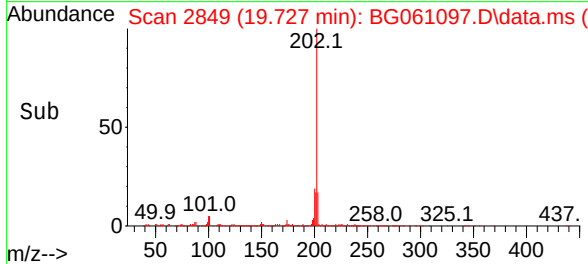
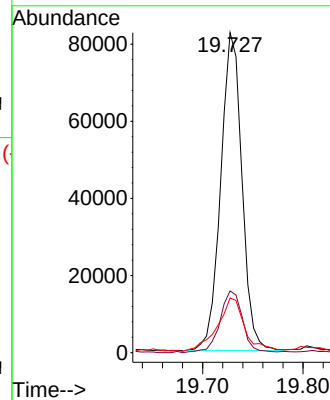
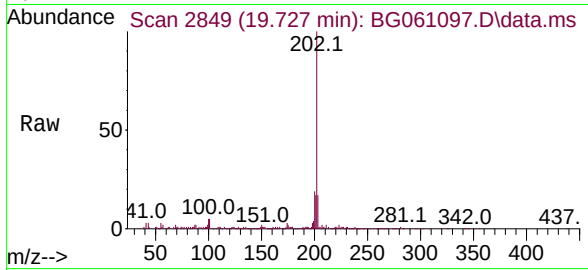
203 17.1 13.3 19.9

Manual Integrations

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Reviewed By :Yogesh Patel 05/03/2024

Supervised By :mohammad ahmed 05/06/2024



#79

Terphenyl-d14

Concen: 11.287 ng

RT: 19.933 min Scan# 2884

Delta R.T. -0.020 min

Lab File: BG061097.D

Acq: 2 May 2024 17:28

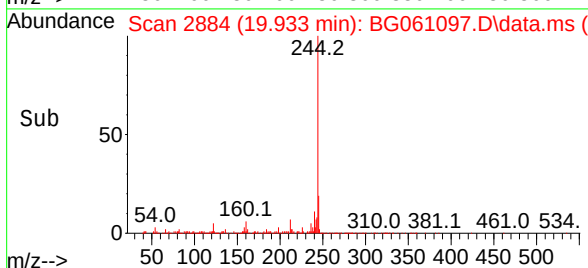
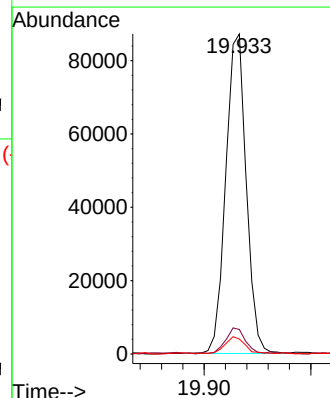
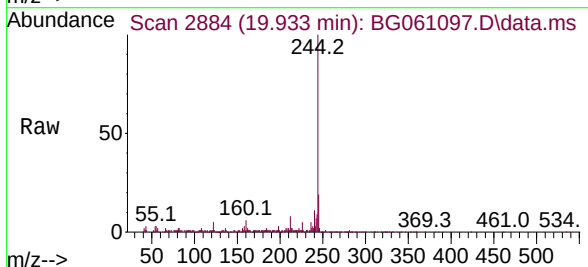
Tgt Ion:244 Resp: 115890

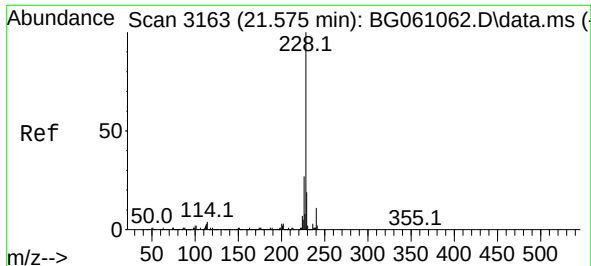
Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

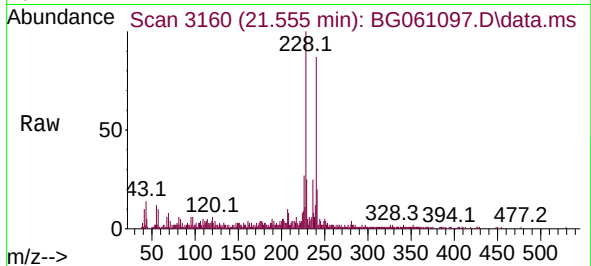
122 4.7 4.2 6.2





#81
Benzo(a)anthracene
Concen: 5.392 ng
RT: 21.555 min Scan# 3160
Delta R.T. -0.020 min
Lab File: BG061097.D
Acq: 2 May 2024 17:28

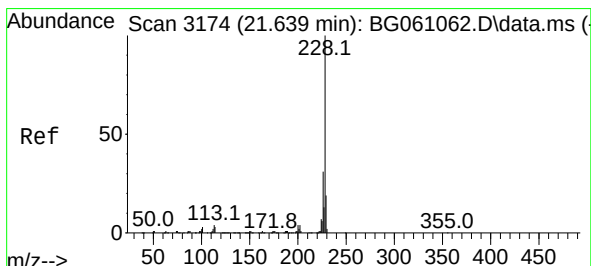
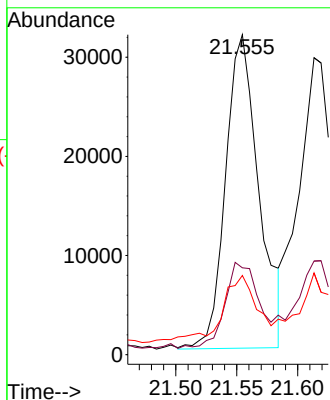
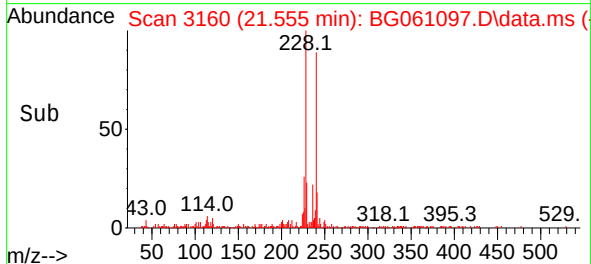
Instrument : BNA_G
ClientSampleId : PAT-DIS-02-05012024



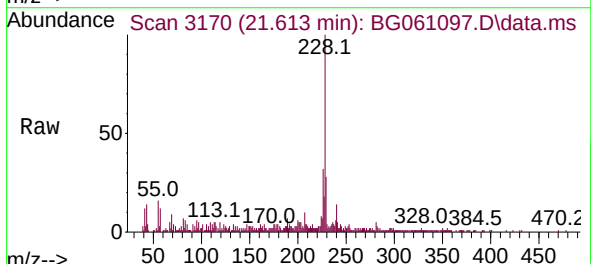
Tgt Ion:228 Resp: 6025
Ion Ratio Lower Upper
228 100
226 27.2 21.6 32.4
229 24.7 15.0 22.4

Manual Integrations
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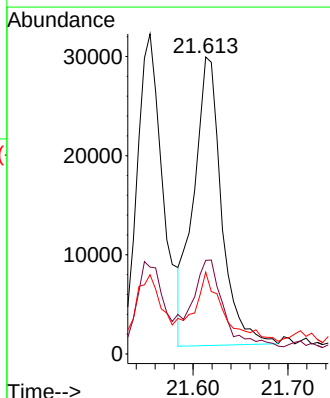
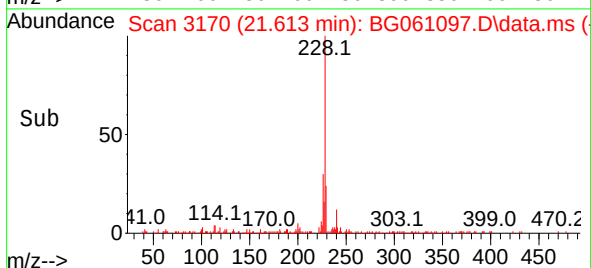
Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024

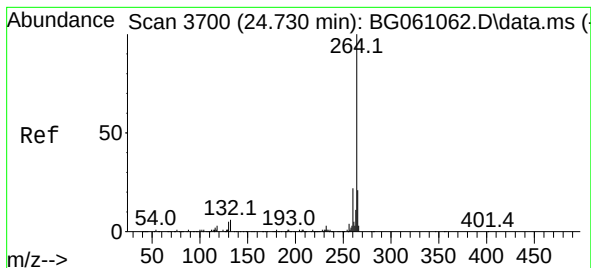


#83
Chrysene
Concen: 5.707 ng
RT: 21.613 min Scan# 3170
Delta R.T. -0.026 min
Lab File: BG061097.D
Acq: 2 May 2024 17:28



Tgt Ion:228 Resp: 59751
Ion Ratio Lower Upper
228 100
226 31.5 24.4 36.6
229 27.5 14.8 22.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.698 min Scan# 30

Delta R.T. -0.032 min

Lab File: BG061097.D

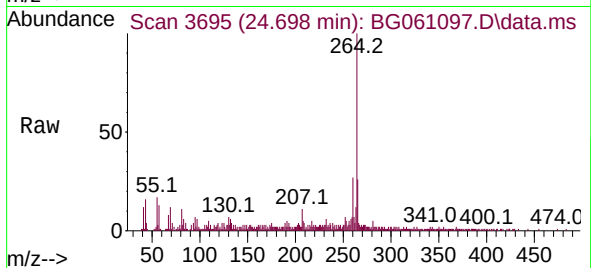
Acq: 2 May 2024 17:28

Instrument :

BNA_G

ClientSampleId :

PAT-DIS-02-05012024



Tgt Ion:264 Resp: 145312

Ion Ratio Lower Upper

264 100

260 26.8 17.7 26.5

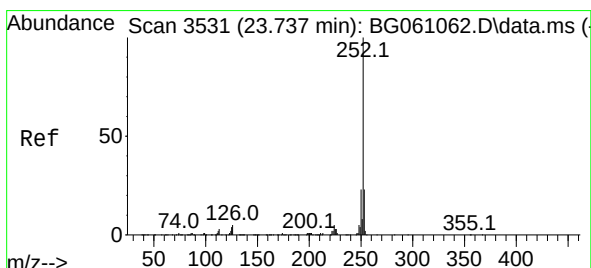
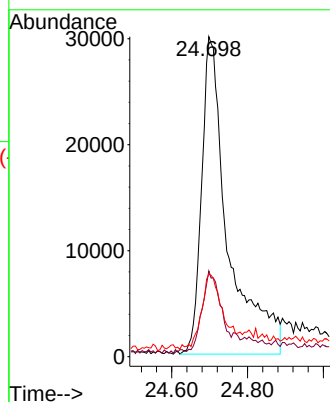
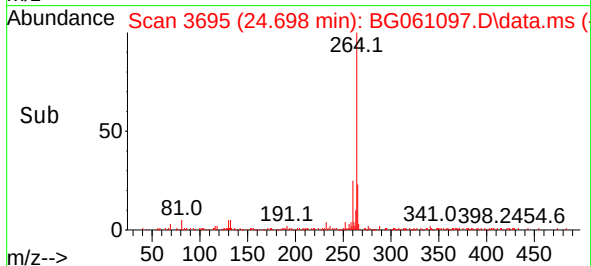
265 25.8 16.4 24.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/03/2024

Supervised By :mohammad ahmed 05/06/2024



#88

Benzo(b)fluoranthene

Concen: 4.988 ng

RT: 23.723 min Scan# 3529

Delta R.T. -0.014 min

Lab File: BG061097.D

Acq: 2 May 2024 17:28

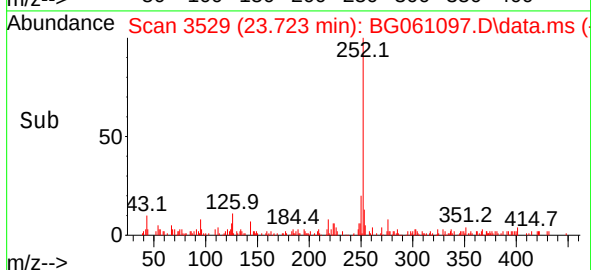
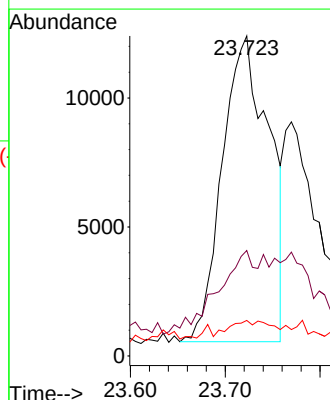
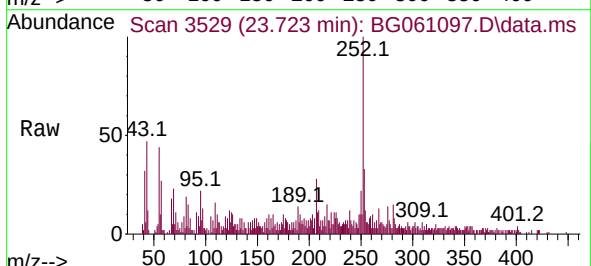
Tgt Ion:252 Resp: 40499

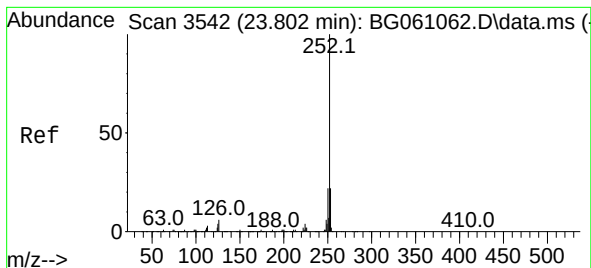
Ion Ratio Lower Upper

252 100

253 33.0 18.2 27.2#

125 11.1 3.4 5.0#





#89

Benzo(k)fluoranthene

Concen: 3.306 ng m

RT: 23.770 min Scan# 3

Delta R.T. -0.032 min

Lab File: BG061097.D

Acq: 2 May 2024 17:28

Instrument :

BNA_G

ClientSampleId :

PAT-DIS-02-05012024

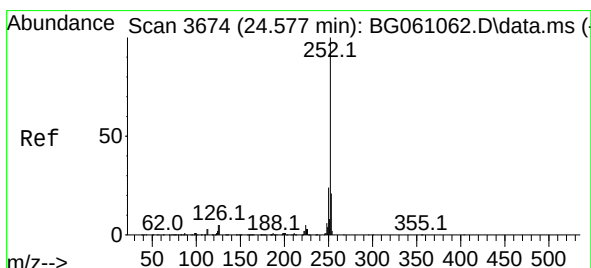
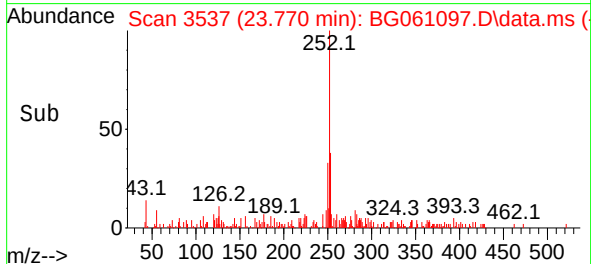
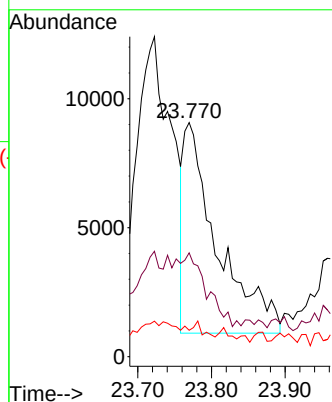
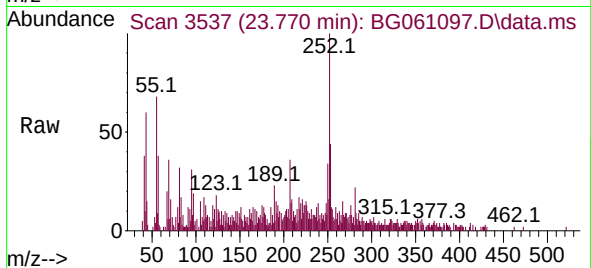
Tgt Ion:252	Resp:	25824
Ion Ratio	Lower	Upper
252	100	
253	44.4	17.3 25.9
125	11.3	3.2 4.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/03/2024

Supervised By :mohammad ahmed 05/06/2024



#90

Benzo(a)pyrene

Concen: 3.935 ng

RT: 24.551 min Scan# 3670

Delta R.T. -0.026 min

Lab File: BG061097.D

Acq: 2 May 2024 17:28

Tgt Ion:252	Resp:	27834
Ion Ratio	Lower	Upper
252	100	
253	30.0	16.9 25.3
125	10.7	3.8 5.8

