

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051624\
 Data File : BG061221.D
 Acq On : 16 May 2024 15:16
 Operator : MA/JU
 Sample : P2474-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-114-SB02

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024
 Supervised By :mohammad ahmed 05/18/2024

Quant Time: May 16 15:54:50 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	7.929	152	22544	20.000	ng	-0.03
21) Naphthalene-d8	10.726	136	91194	20.000	ng	-0.03
39) Acenaphthene-d10	14.556	164	72050	20.000	ng	-0.03
64) Phenanthrene-d10	17.306	188	169273	20.000	ng	-0.03
76) Chrysene-d12	21.566	240	170242	20.000	ng	#-0.03
86) Perylene-d12	24.686	264	216176	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	116584	105.173	ng	-0.02
7) Phenol-d6	7.106	99	161522	98.500	ng	-0.03
23) Nitrobenzene-d5	9.080	82	120141	65.308	ng	-0.04
42) 2,4,6-Tribromophenol	16.055	330	116227	80.705	ng	-0.02
45) 2-Fluorobiphenyl	13.181	172	302716	62.128	ng	-0.03
79) Terphenyl-d14	19.927	244	535059	52.271	ng	-0.03
Target Compounds					Qvalue	
31) Naphthalene	10.773	128	15589	3.289	ng	# 92
37) 2-Methylnaphthalene	12.382	142	19983	5.626	ng	99
38) 1-Methylnaphthalene	12.600	142	23829	6.665	ng	100
71) Phenanthrene	17.347	178	70751	9.141	ng	98
75) Fluoranthene	19.362	202	60978	5.751	ng	93
78) Pyrene	19.727	202	59913	5.536	ng	98
81) Benzo(a)anthracene	21.548	228	37323	3.350	ng	# 90
83) Chrysene	21.613	228	59541m	5.705	ng	
87) Indeno(1,2,3-cd)pyrene	28.223	276	29287	2.044	ng	# 67
88) Benzo(b)fluoranthene	23.699	252	62983	5.214	ng	# 97
90) Benzo(a)pyrene	24.533	252	33555	3.188	ng	# 88
92) Benzo(g,h,i)perylene	29.327	276	30133m	2.556	ng	

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

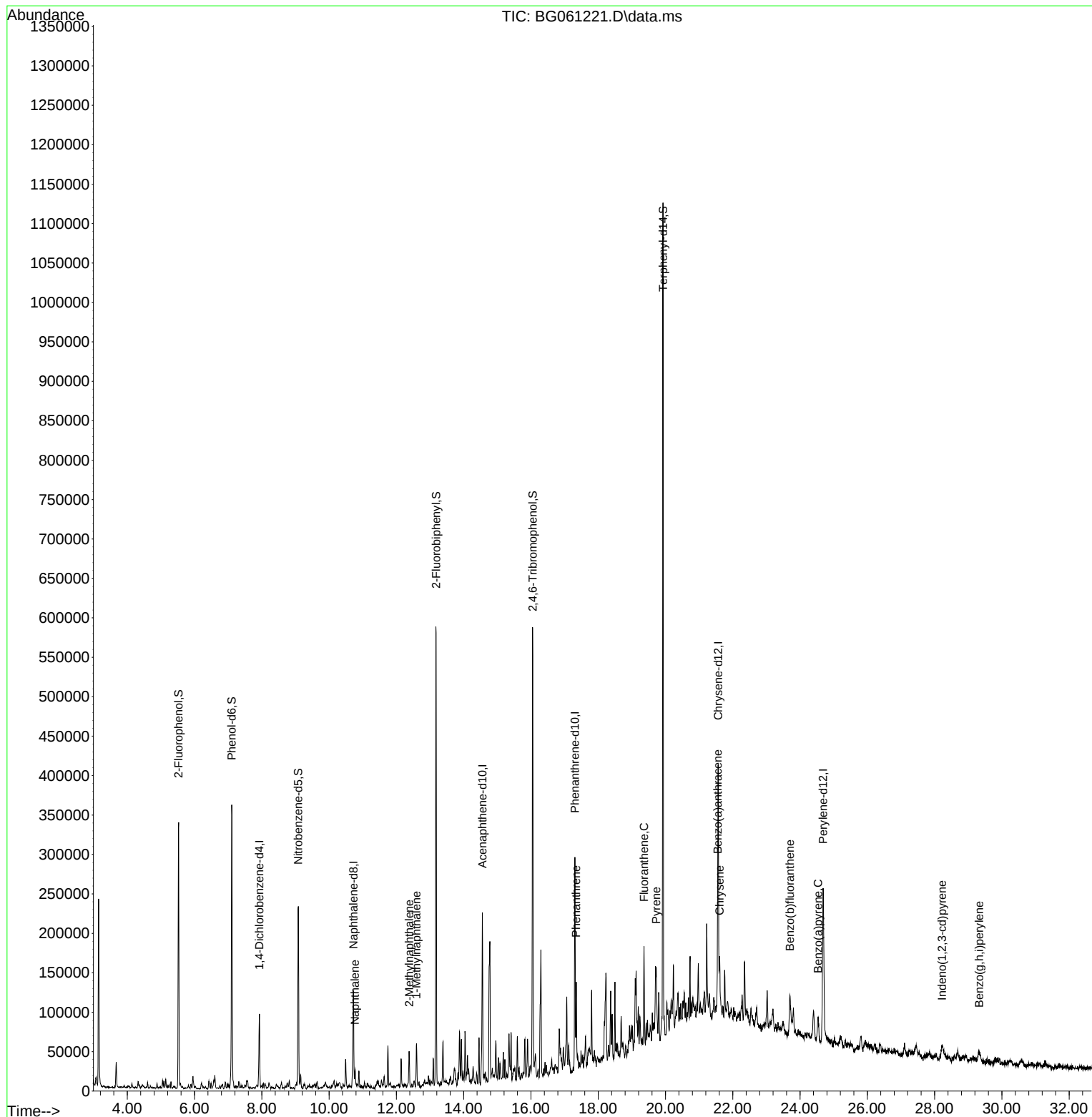
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051624\
Data File : BG061221.D
Acq On : 16 May 2024 15:16
Operator : MA/JU
Sample : P2474-01
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Quant Time: May 16 15:54:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration

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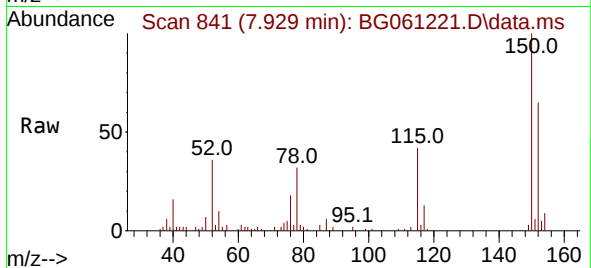
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.929 min Scan# 846
Delta R.T. -0.032 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16

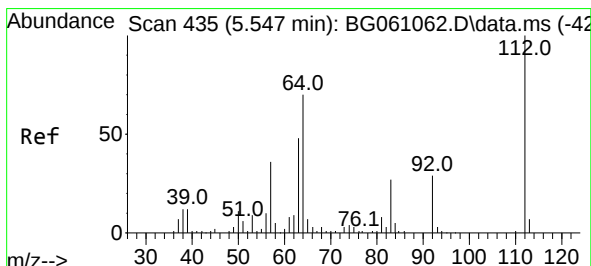
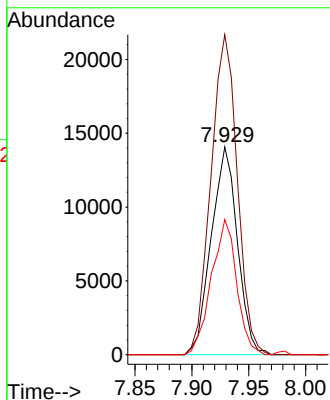
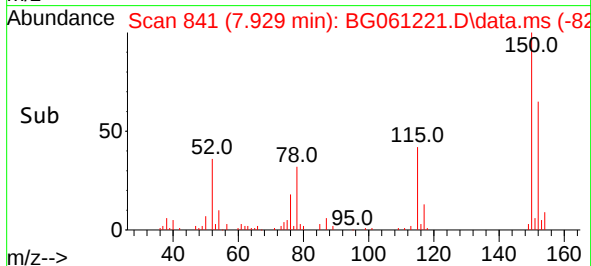
Instrument :
BNA_G
ClientSampleId :
B-114-SB02



Tgt Ion:152 Resp: 22544
Ion Ratio Lower Upper
152 100
150 154.1 138.3 207.5
115 65.0 48.0 72.0

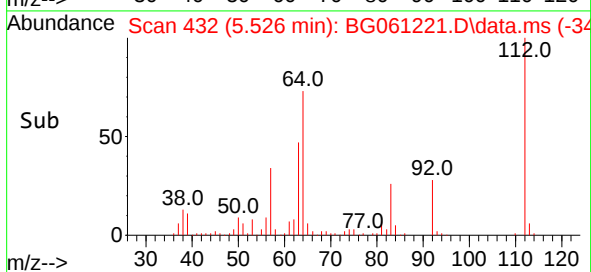
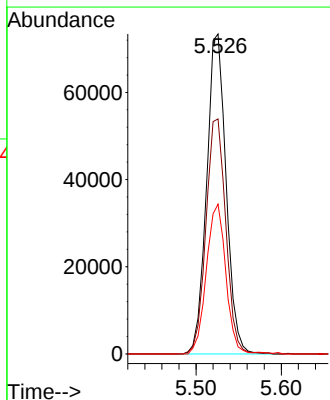
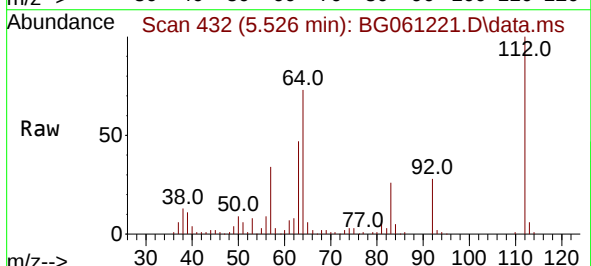
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Supervised By :mohammad ahmed 05/18/2024



#5
2-Fluorophenol
Concen: 105.173 ng
RT: 5.526 min Scan# 432
Delta R.T. -0.021 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16

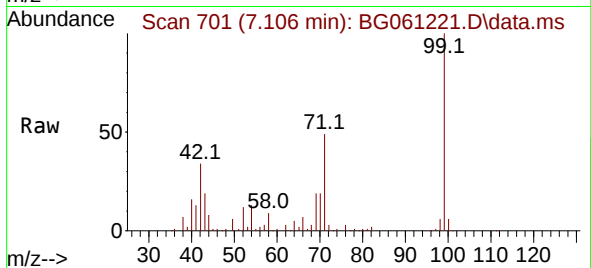
Tgt Ion:112 Resp: 116584
Ion Ratio Lower Upper
112 100
64 73.4 55.7 83.5
63 46.8 38.1 57.1





#7
Phenol-d6
Concen: 98.500 ng
RT: 7.106 min Scan# 705
Delta R.T. -0.027 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16

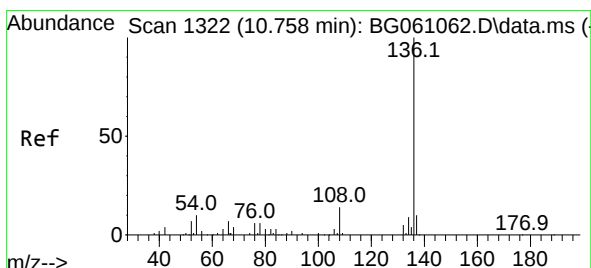
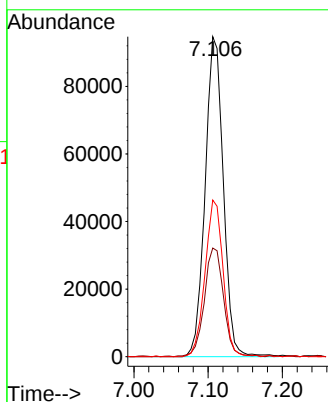
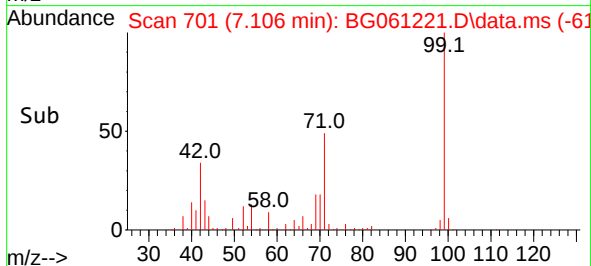
Instrument :
BNA_G
ClientSampleId :
B-114-SB02



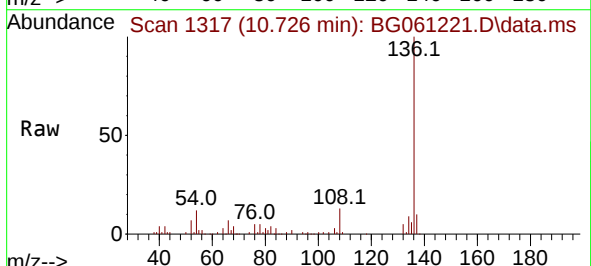
Tgt Ion: 99 Resp: 16152
Ion Ratio Lower Upper
99 100
42 34.0 29.2 43.8
71 48.9 39.7 59.5

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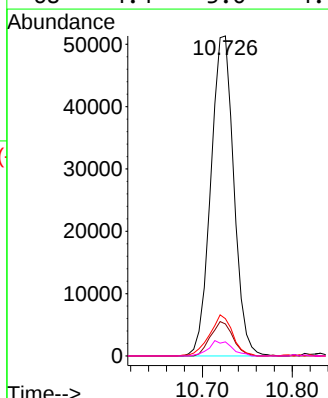
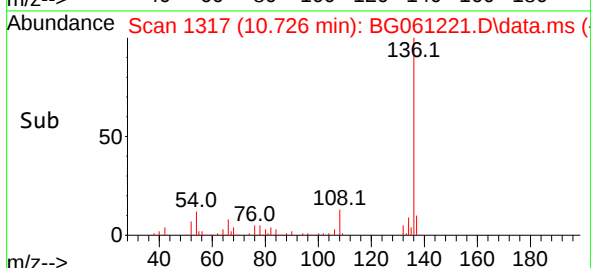
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.726 min Scan# 1317
Delta R.T. -0.033 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16



Tgt Ion:136 Resp: 91194
Ion Ratio Lower Upper
136 100
137 10.0 7.8 11.6
54 11.7 8.1 12.1
68 4.4 3.0 4.4





#23

Nitrobenzene-d5

Concen: 65.308 ng

RT: 9.080 min Scan# 1043

Delta R.T. -0.038 min

Lab File: BG061221.D

Acq: 16 May 2024 15:16

Instrument :

BNA_G

ClientSampleId :

B-114-SB02

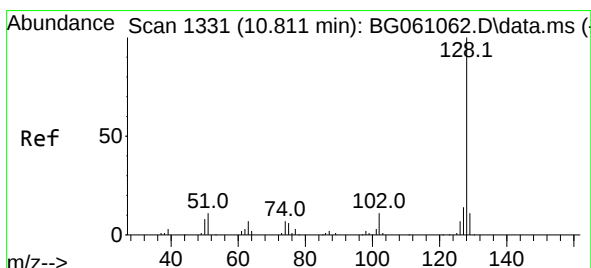
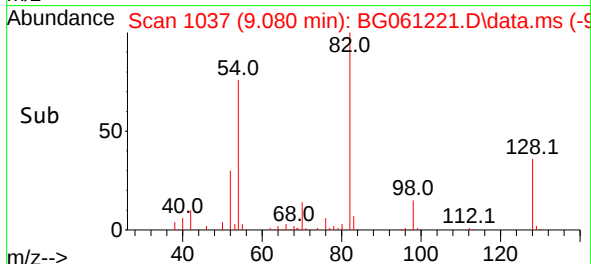
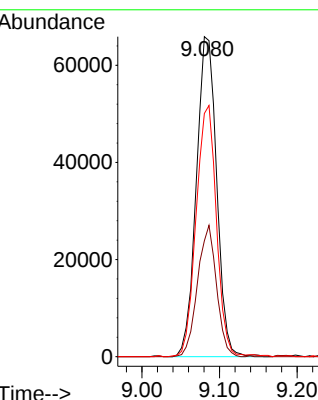
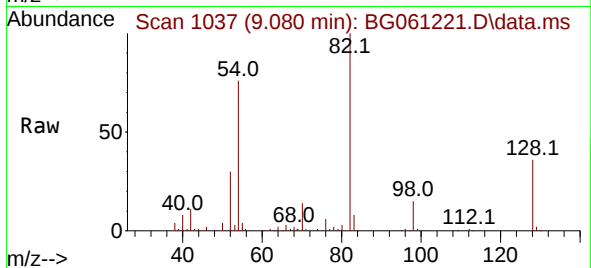
Tgt Ion: 82 Resp: 12014

Ion	Ratio	Lower	Upper
82	100		
128	36.2	32.7	49.1
54	76.0	65.6	98.4

Manual Integrations

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Supervised By :mohammad ahmed 05/18/2024



#31

Naphthalene

Concen: 3.289 ng

RT: 10.773 min Scan# 1325

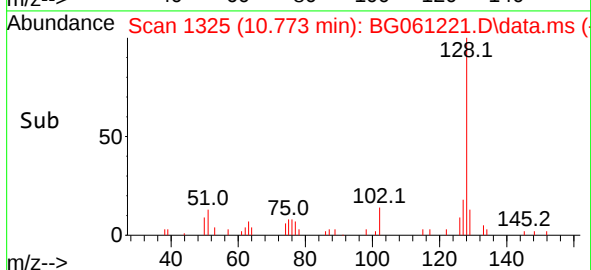
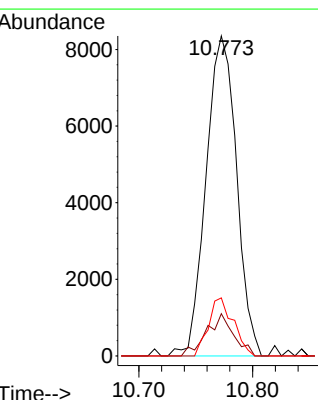
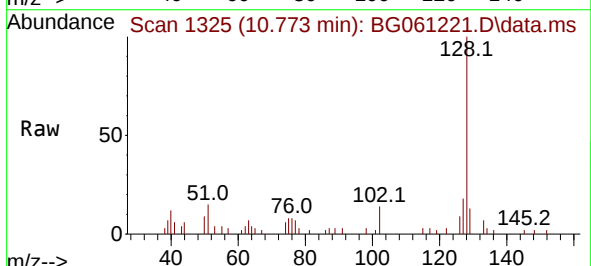
Delta R.T. -0.038 min

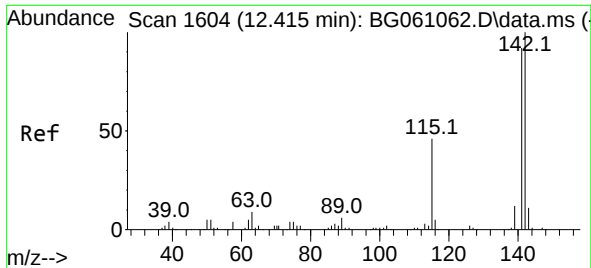
Lab File: BG061221.D

Acq: 16 May 2024 15:16

Tgt Ion:128 Resp: 15589

Ion	Ratio	Lower	Upper
128	100		
129	13.2	8.9	13.3
127	18.1	11.1	16.7





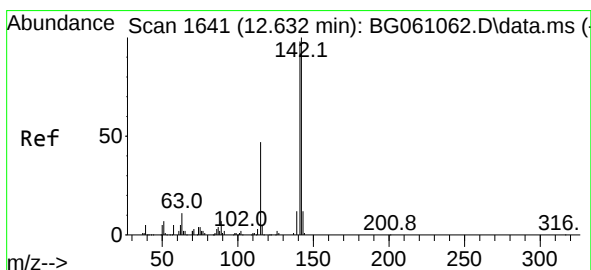
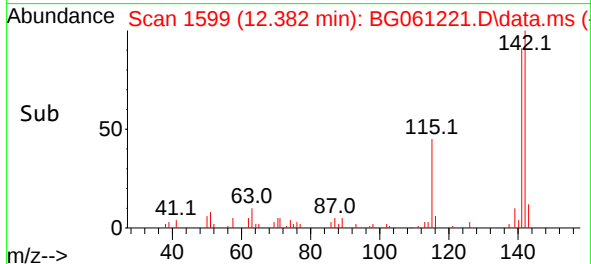
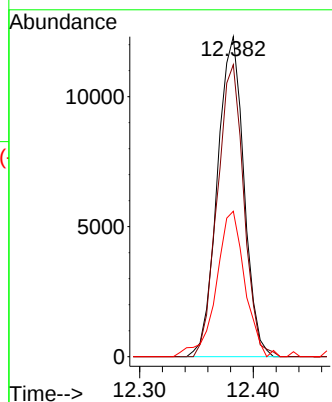
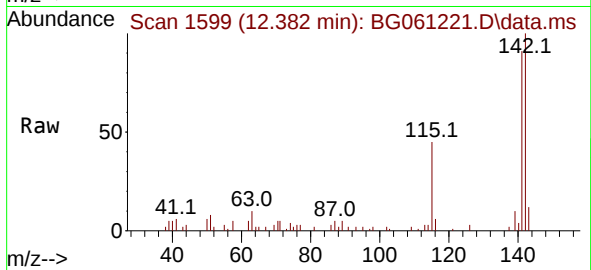
#37
2-Methylnaphthalene
Concen: 5.626 ng
RT: 12.382 min Scan# 11
Delta R.T. -0.033 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16

Instrument :
BNA_G
ClientSampleId :
B-114-SB02

Tgt Ion:142 Resp: 1998
Ion Ratio Lower Upper
142 100
141 91.3 73.8 110.8
115 45.4 36.9 55.3

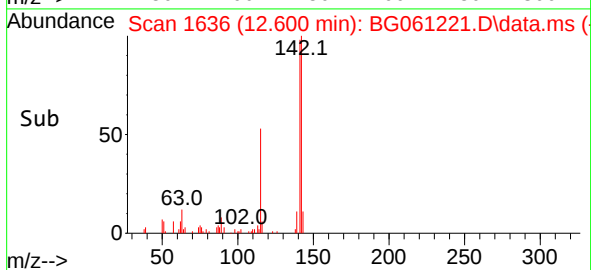
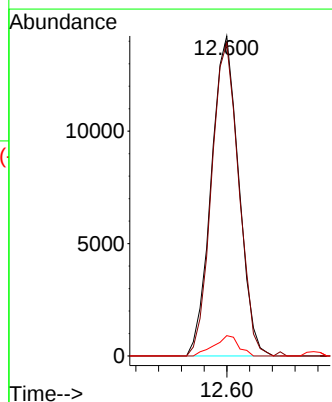
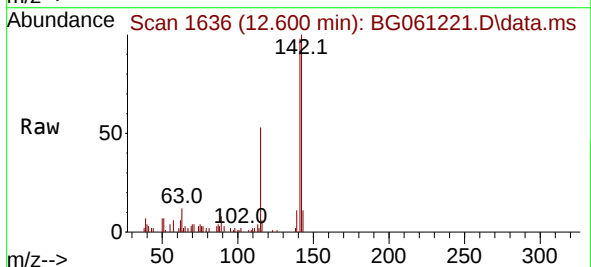
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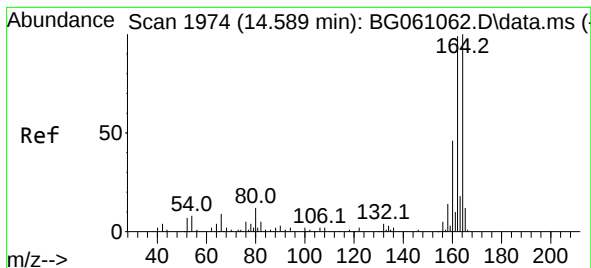
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#38
1-Methylnaphthalene
Concen: 6.665 ng
RT: 12.600 min Scan# 1636
Delta R.T. -0.033 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16

Tgt Ion:142 Resp: 23829
Ion Ratio Lower Upper
142 100
141 97.8 78.4 117.6
116 6.4 4.3 6.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.556 min Scan# 1969

Delta R.T. -0.033 min

Lab File: BG061221.D

Acq: 16 May 2024 15:16

Instrument :

BNA_G

ClientSampleId :

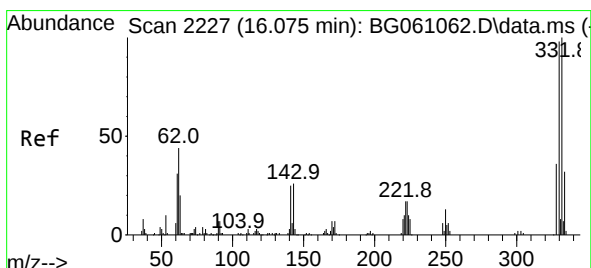
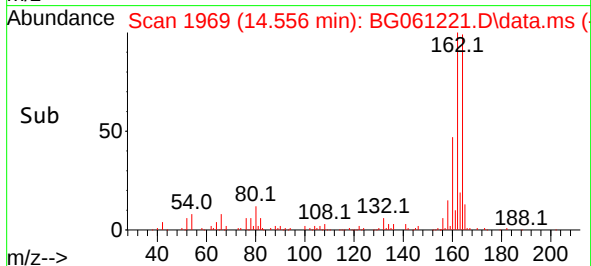
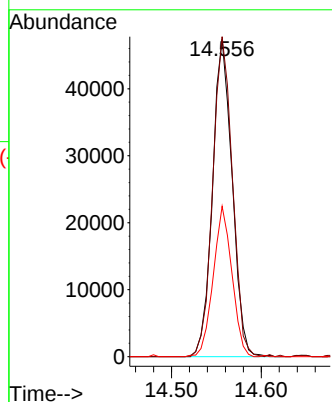
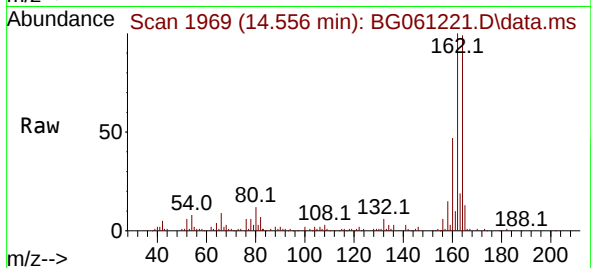
B-114-SB02

Tgt Ion:164	Resp:	72050
Ion Ratio	Lower	Upper
164	100	
162	100.8	79.4 119.2
160	47.4	37.0 55.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#42

2,4,6-Tribromophenol

Concen: 80.705 ng

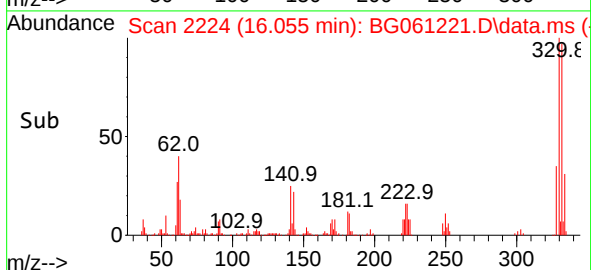
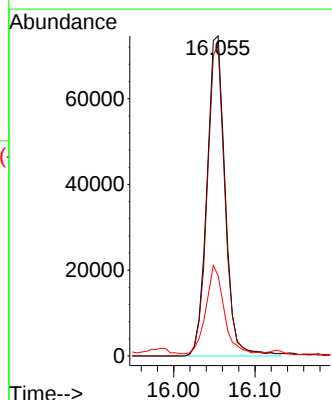
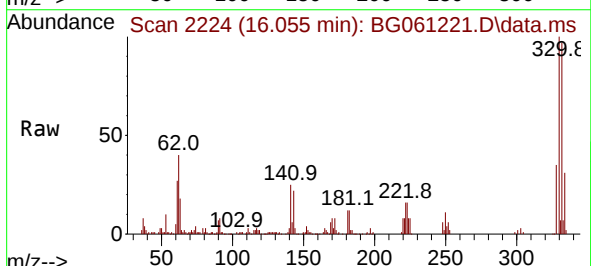
RT: 16.055 min Scan# 2224

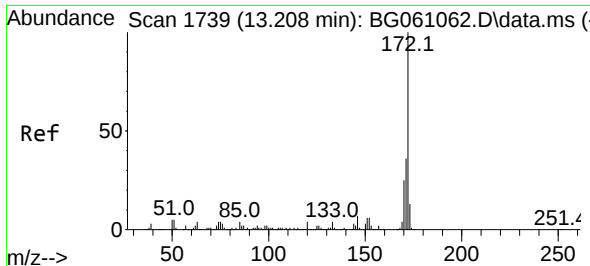
Delta R.T. -0.021 min

Lab File: BG061221.D

Acq: 16 May 2024 15:16

Tgt Ion:330	Resp:	116227
Ion Ratio	Lower	Upper
330	100	
332	94.7	78.6 117.8
141	28.5	20.5 30.7





#45
2-Fluorobiphenyl
Concen: 62.128 ng
RT: 13.181 min Scan# 11
Delta R.T. -0.027 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16

Instrument :

BNA_G

ClientSampleId :

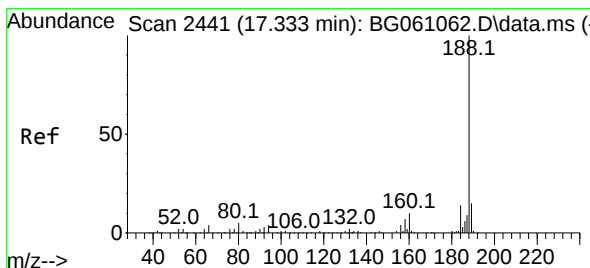
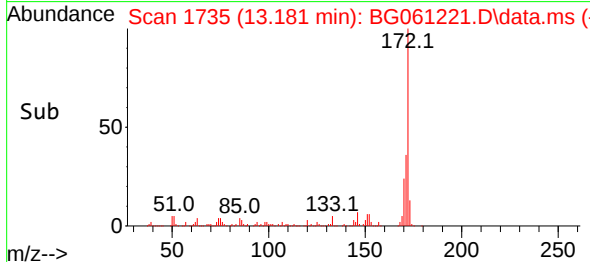
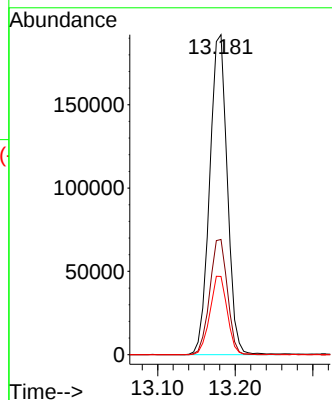
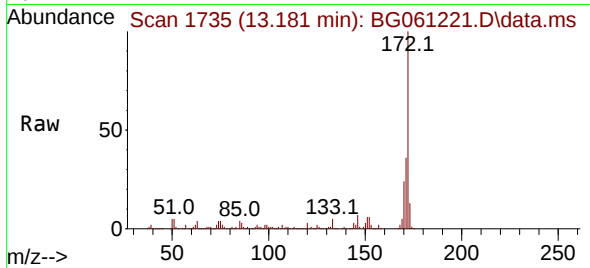
B-114-SB02

Tgt Ion:172 Resp: 302710
Ion Ratio Lower Upper
172 100
171 36.0 29.0 43.6
170 24.4 20.2 30.4

Manual Integrations

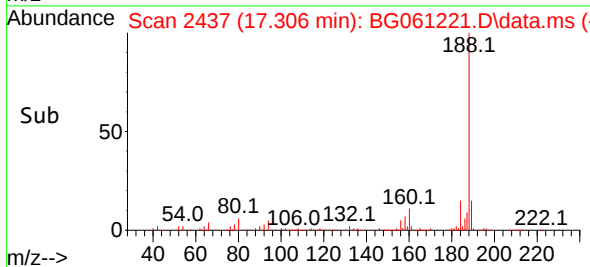
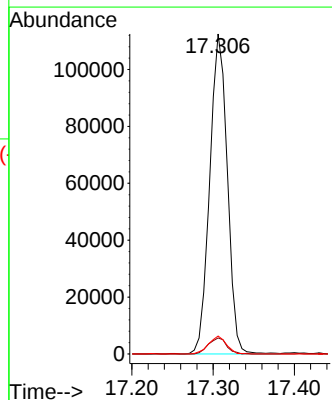
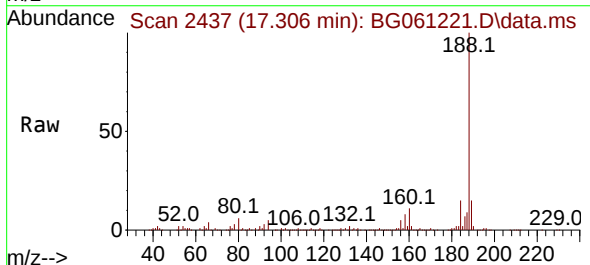
APPROVED

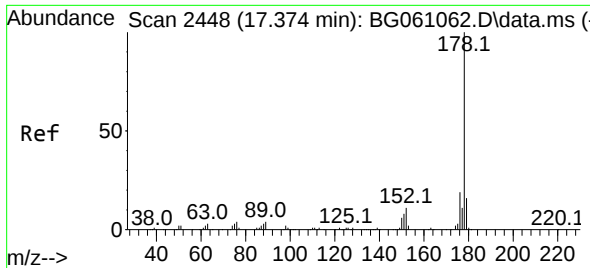
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.306 min Scan# 2437
Delta R.T. -0.027 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16

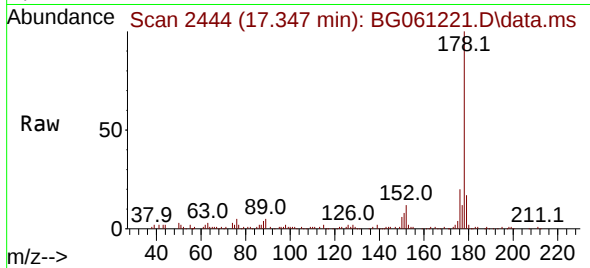
Tgt Ion:188 Resp: 169273
Ion Ratio Lower Upper
188 100
94 5.0 3.6 5.4
80 5.6 4.2 6.2





#71
Phenanthrene
Concen: 9.141 ng
RT: 17.347 min Scan# 2444
Delta R.T. -0.027 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16

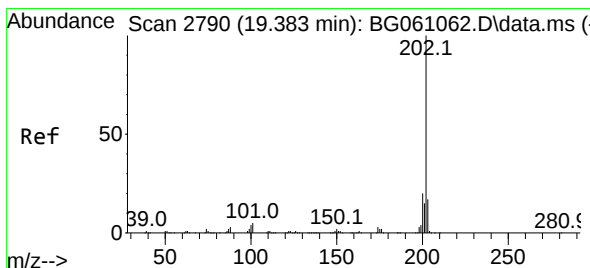
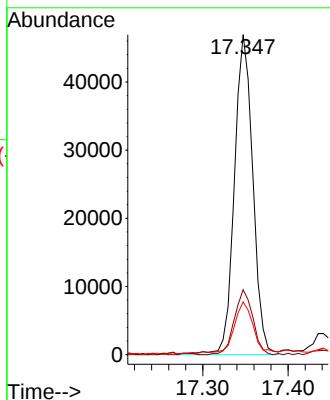
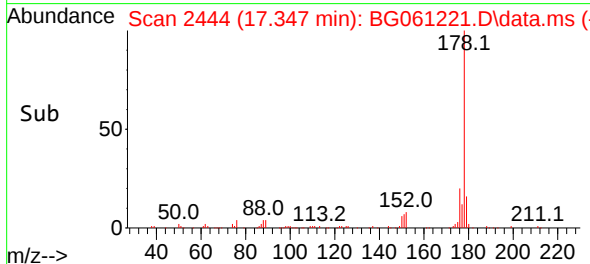
Instrument :
BNA_G
ClientSampleId :
B-114-SB02



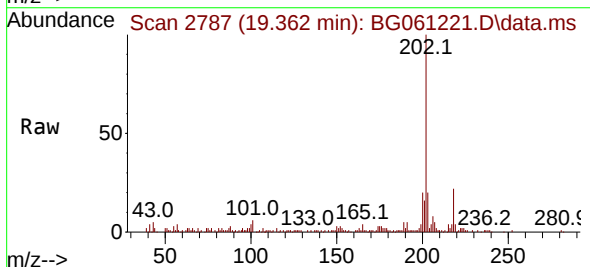
Tgt Ion:178 Resp: 7075
Ion Ratio Lower Upper
178 100
176 20.3 15.5 23.3
179 16.5 12.6 19.0

Manual Integrations
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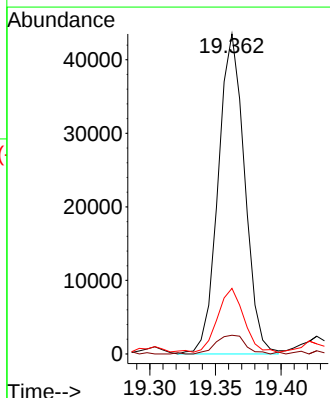
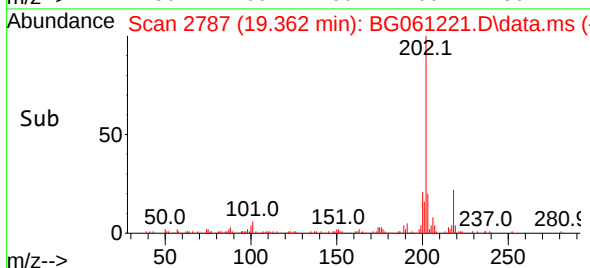
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024

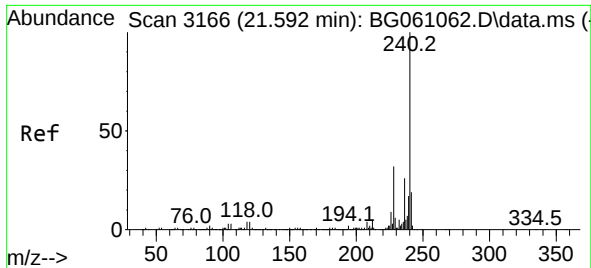


#75
Fluoranthene
Concen: 5.751 ng
RT: 19.362 min Scan# 2787
Delta R.T. -0.021 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16



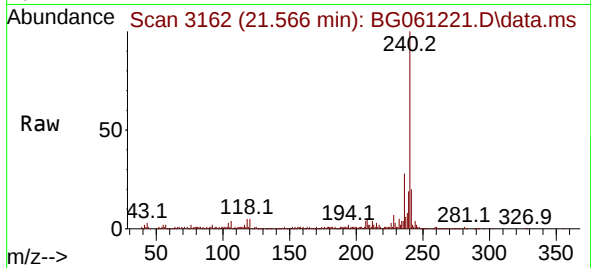
Tgt Ion:202 Resp: 60978
Ion Ratio Lower Upper
202 100
101 5.9 0.0 24.7
203 20.5 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.566 min Scan# 3166
Delta R.T. -0.027 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16

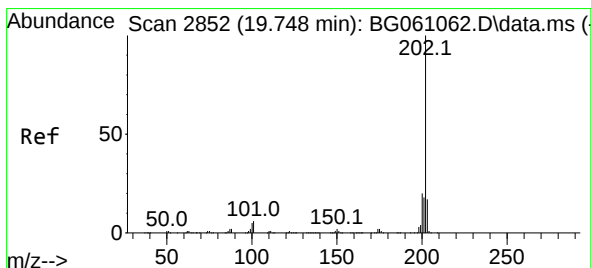
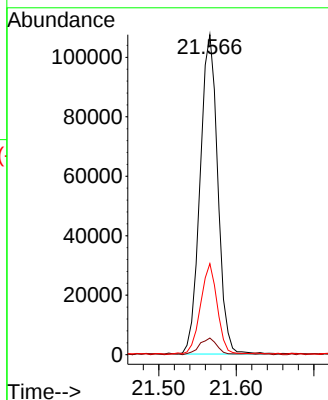
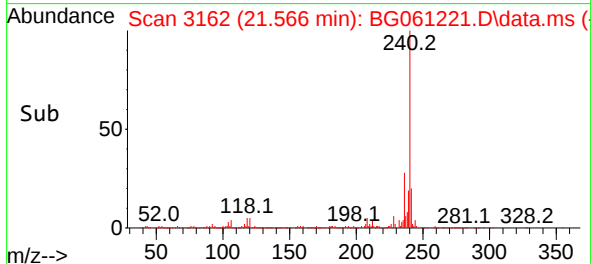
Instrument :
BNA_G
ClientSampleId :
B-114-SB02



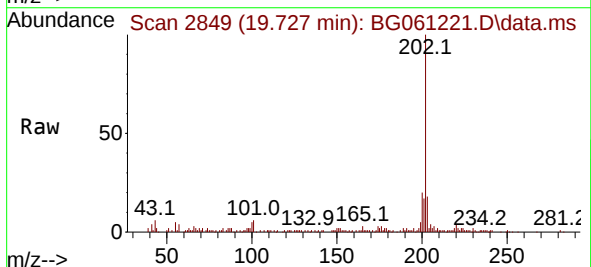
Tgt Ion:240 Resp: 17024
Ion Ratio Lower Upper
240 100
120 5.2 3.2 4.8
236 28.4 21.0 31.6

Manual Integrations
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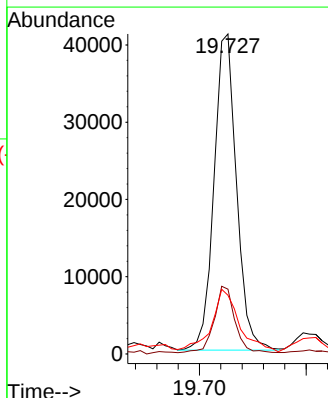
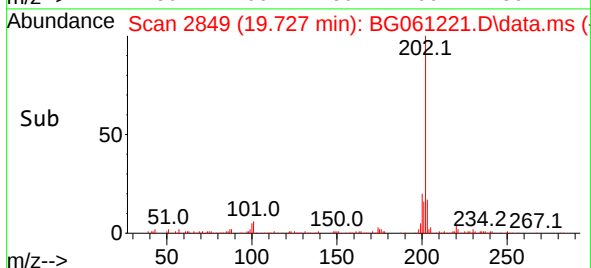
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024

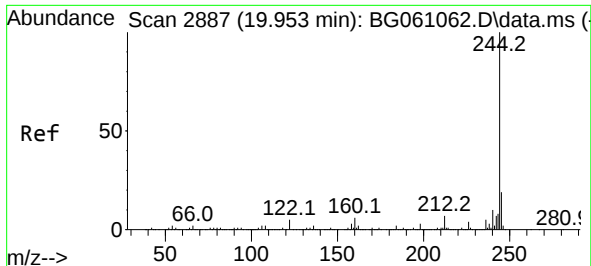


#78
Pyrene
Concen: 5.536 ng
RT: 19.727 min Scan# 2849
Delta R.T. -0.021 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16



Tgt Ion:202 Resp: 59913
Ion Ratio Lower Upper
202 100
200 20.2 16.2 24.4
203 18.4 13.3 19.9





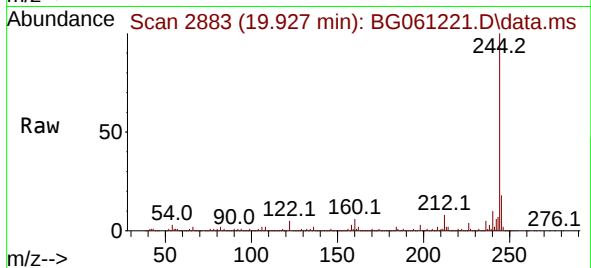
#79
 Terphenyl-d14
 Concen: 52.271 ng
 RT: 19.927 min Scan# 21
 Delta R.T. -0.027 min
 Lab File: BG061221.D
 Acq: 16 May 2024 15:16

Instrument :

BNA_G

ClientSampleId :

B-114-SB02

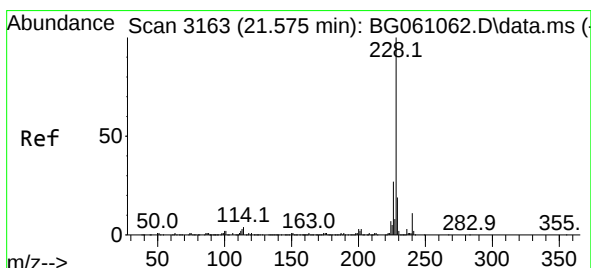
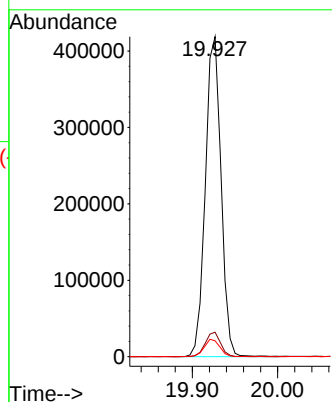
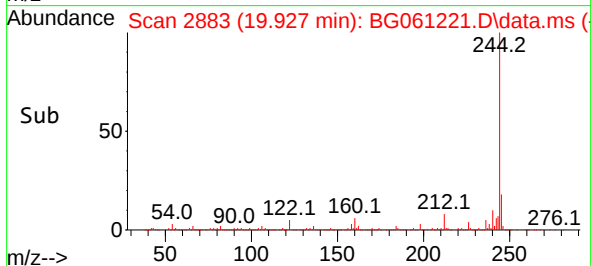


Tgt Ion:244 Resp: 535059
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.7 8.5
 122 4.9 4.2 6.2

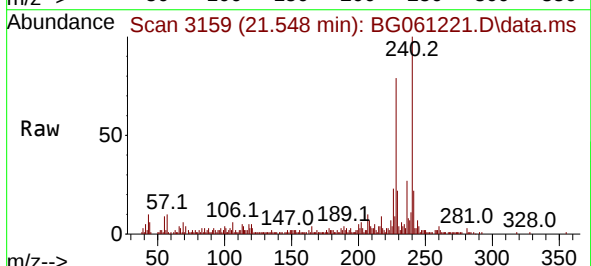
Manual Integrations

APPROVED

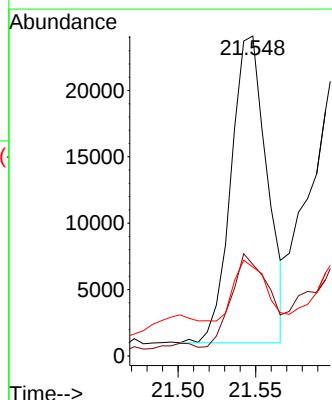
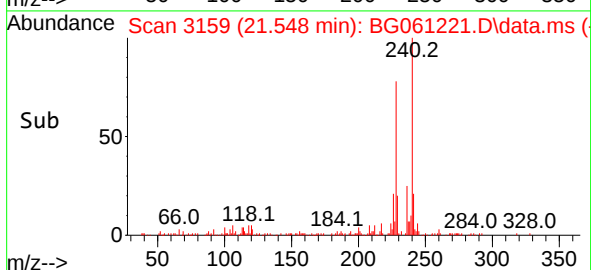
Reviewed By :Jagrut Upadhyay 05/17/2024
 Supervised By :mohammad ahmed 05/18/2024

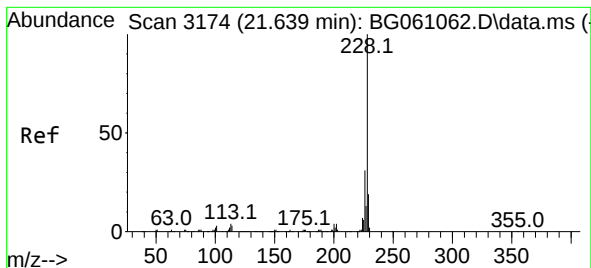


#81
 Benzo(a)anthracene
 Concen: 3.350 ng
 RT: 21.548 min Scan# 3159
 Delta R.T. -0.027 min
 Lab File: BG061221.D
 Acq: 16 May 2024 15:16



Tgt Ion:228 Resp: 37323
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.6 32.4
 229 27.8 15.0 22.4#





#83

Chrysene

Concen: 5.705 ng m

RT: 21.613 min Scan# 3170

Delta R.T. -0.027 min

Lab File: BG061221.D

Acq: 16 May 2024 15:16

Instrument :

BNA_G

ClientSampleId :

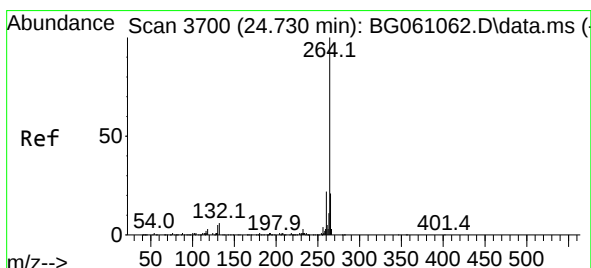
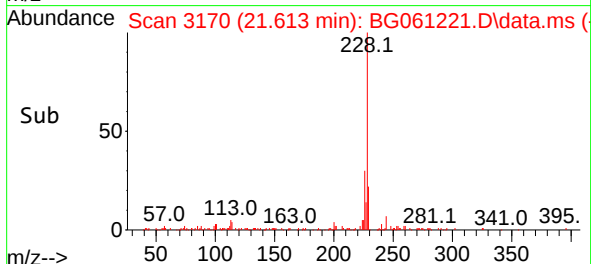
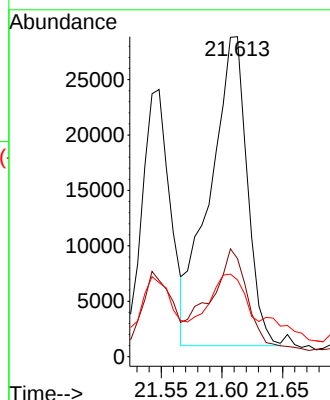
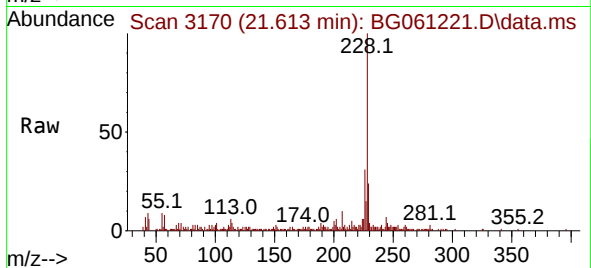
B-114-SB02

Tgt Ion:	228	Resp:	5954
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.4	36.6
229	24.0	14.8	22.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#86

Perylene-d12

Concen: 20.000 ng

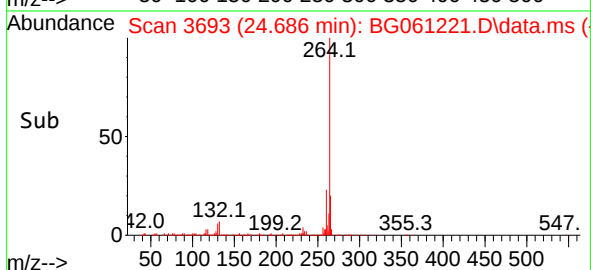
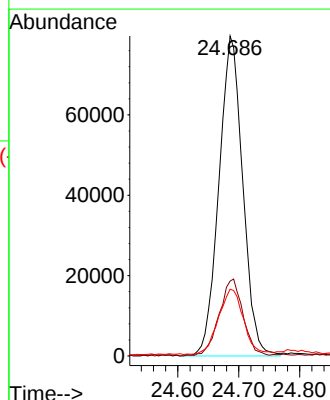
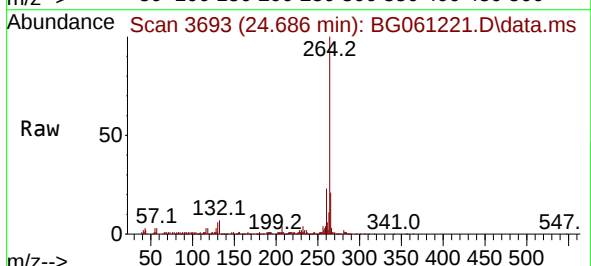
RT: 24.686 min Scan# 3693

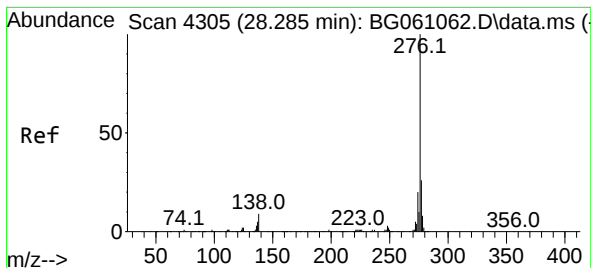
Delta R.T. -0.044 min

Lab File: BG061221.D

Acq: 16 May 2024 15:16

Tgt Ion:	264	Resp:	216176
Ion Ratio	Lower	Upper	
264	100		
260	23.4	17.7	26.5
265	20.8	16.4	24.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.044 ng

RT: 28.223 min Scan# 41

Delta R.T. -0.062 min

Lab File: BG061221.D

Acq: 16 May 2024 15:16

Instrument :

BNA_G

ClientSampleId :

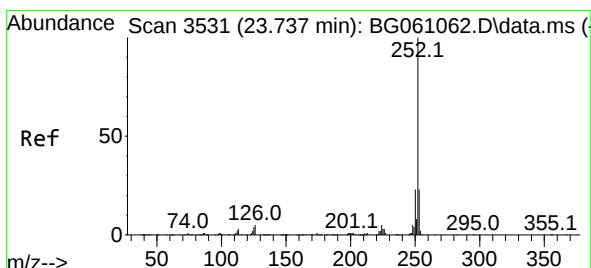
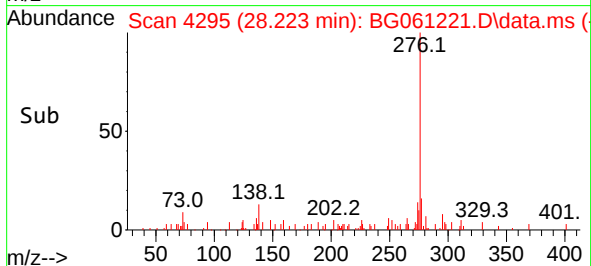
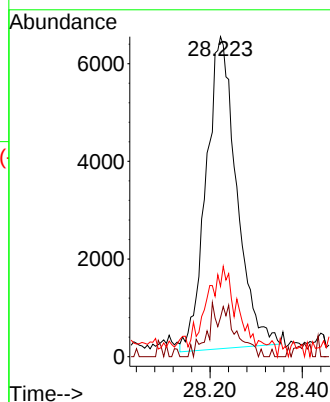
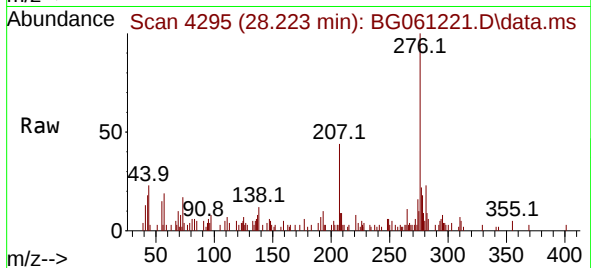
B-114-SB02

Tgt Ion:	276	Resp:	2928
Ion Ratio	Lower	Upper	
276	100		
138	8.9	5.1	7.7
277	5.8	20.6	30.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#88

Benzo(b)fluoranthene

Concen: 5.214 ng

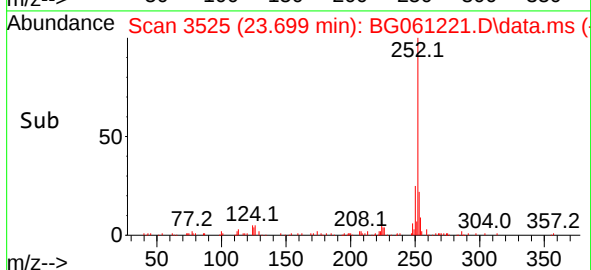
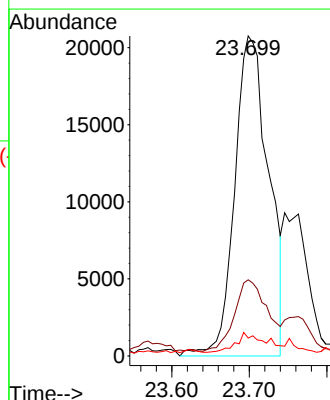
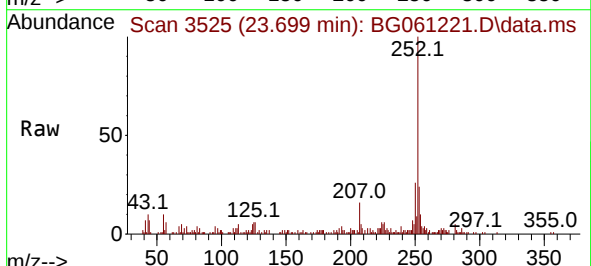
RT: 23.699 min Scan# 3525

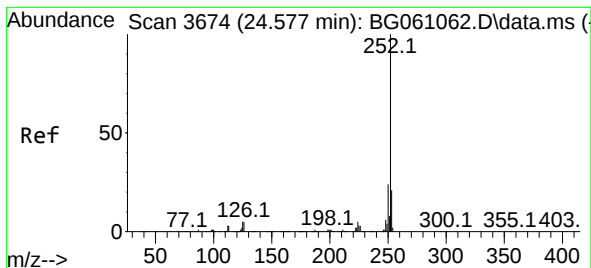
Delta R.T. -0.038 min

Lab File: BG061221.D

Acq: 16 May 2024 15:16

Tgt Ion:	252	Resp:	62983
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.2	27.2
125	5.6	3.4	5.0





#90

Benzo(a)pyrene

Concen: 3.188 ng

RT: 24.533 min Scan# 30

Delta R.T. -0.044 min

Lab File: BG061221.D

Acq: 16 May 2024 15:16

Instrument :

BNA_G

ClientSampleId :

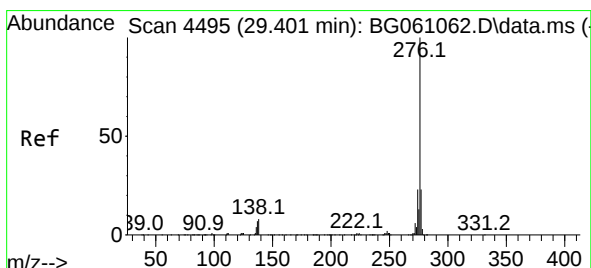
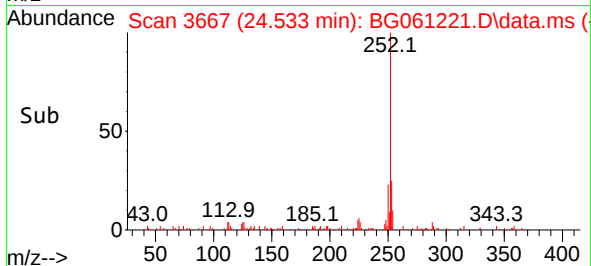
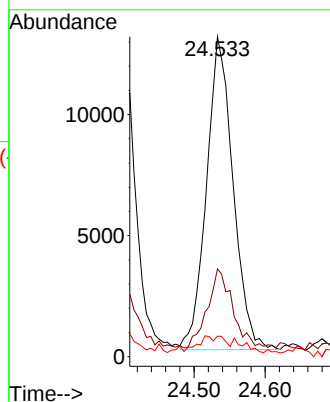
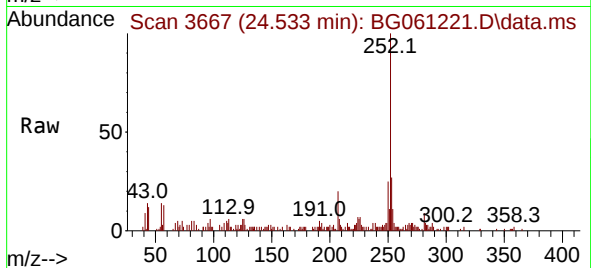
B-114-SB02

Tgt Ion:	252	Resp:	3355
Ion Ratio	Lower	Upper	
252	100		
253	27.4	16.9	25.3
125	6.4	3.8	5.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#92

Benzo(g,h,i)perylene

Concen: 2.556 ng m

RT: 29.327 min Scan# 4483

Delta R.T. -0.074 min

Lab File: BG061221.D

Acq: 16 May 2024 15:16

Tgt Ion:	276	Resp:	30133
Ion Ratio	Lower	Upper	
276	100		
277	24.5	18.2	27.4
138	11.6	6.2	9.2

