

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051624\
 Data File : BG061222.D
 Acq On : 16 May 2024 15:58
 Operator : MA/JU
 Sample : P2490-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11978

Manual Integrations
 APPROVED

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

Quant Time: May 16 16:33:17 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	7.928	152	25296	20.000	ng	-0.03
21) Naphthalene-d8	10.719	136	100286	20.000	ng	#-0.04
39) Acenaphthene-d10	14.556	164	84765	20.000	ng	-0.03
64) Phenanthrene-d10	17.305	188	202968	20.000	ng	#-0.03
76) Chrysene-d12	21.559	240	199916	20.000	ng	#-0.03
86) Perylene-d12	24.685	264	245386	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.525	112	118070	94.925	ng	-0.02
7) Phenol-d6	7.112	99	162010	88.049	ng	-0.02
23) Nitrobenzene-d5	9.080	82	114764	56.729	ng	-0.04
42) 2,4,6-Tribromophenol	16.048	330	128330	75.742	ng	-0.03
45) 2-Fluorobiphenyl	13.175	172	310071	54.092	ng	-0.03
79) Terphenyl-d14	19.926	244	625841	52.065	ng	-0.03
Target Compounds						Qvalue
71) Phenanthrene	17.347	178	27330	2.945	ng	97
75) Fluoranthene	19.362	202	87242	6.862	ng	99
78) Pyrene	19.720	202	75266	5.922	ng	96
81) Benzo(a)anthracene	21.542	228	49764	3.804	ng	98
83) Chrysene	21.606	228	44372m	3.620	ng	
87) Indeno(1,2,3-cd)pyrene	28.210	276	33301m	2.048	ng	
88) Benzo(b)fluoranthene	23.698	252	63148	4.605	ng	# 99
90) Benzo(a)pyrene	24.538	252	44718	3.743	ng	99
92) Benzo(g,h,i)perylene	29.333	276	31404m	2.347	ng	

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

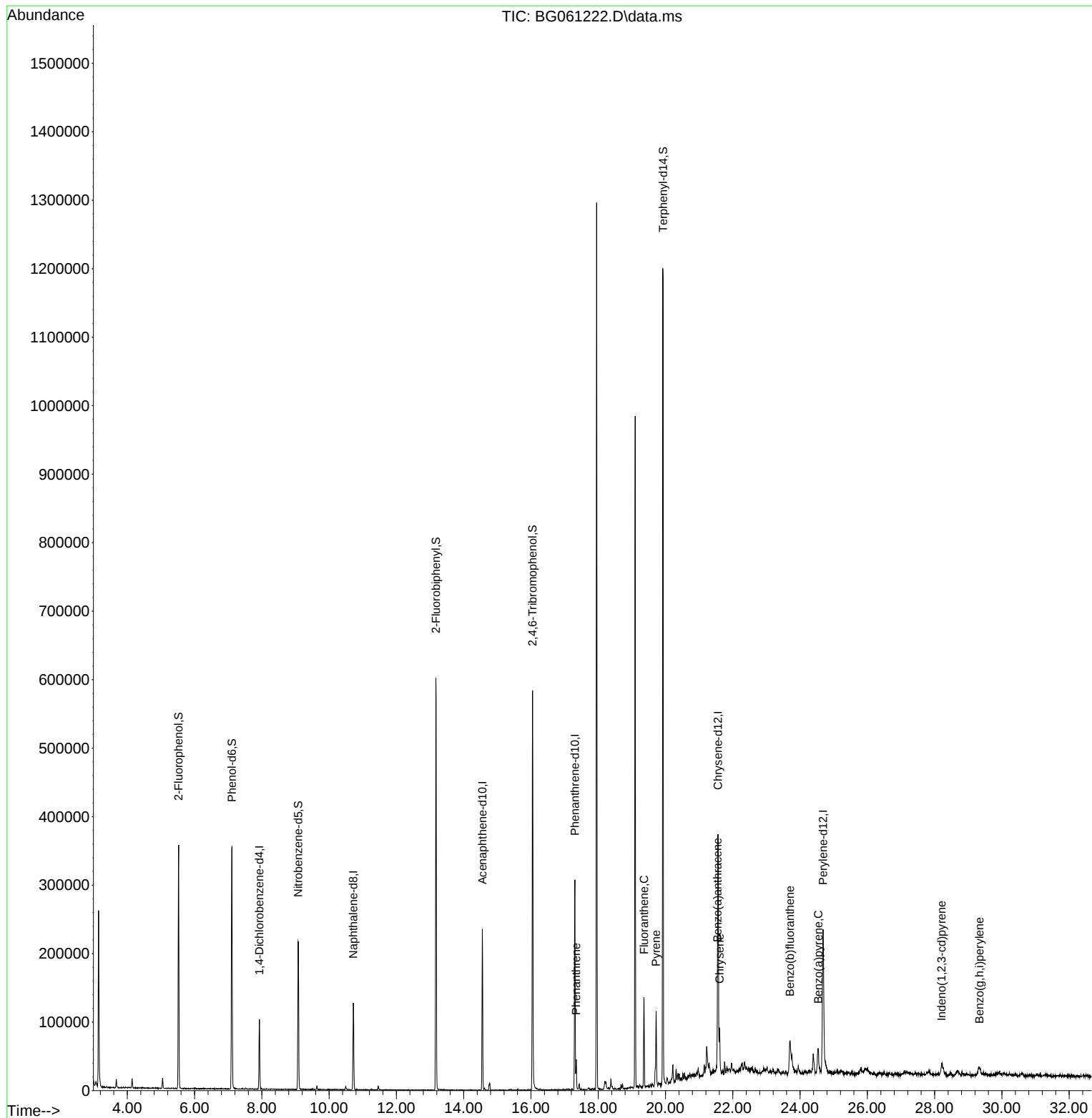
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051624\
Data File : BG061222.D
Acq On : 16 May 2024 15:58
Operator : MA/JU
Sample : P2490-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

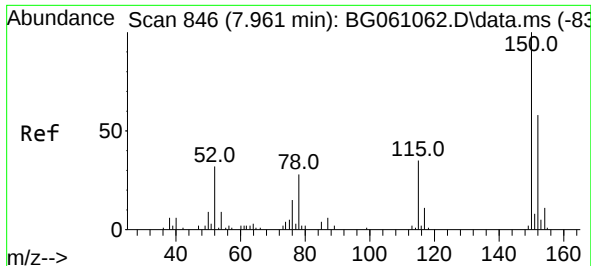
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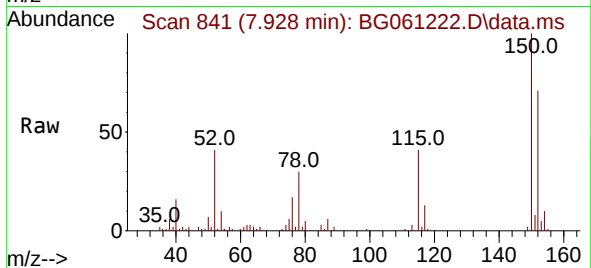
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.928 min Scan# 841
Delta R.T. -0.033 min
Lab File: BG061222.D
Acq: 16 May 2024 15:58

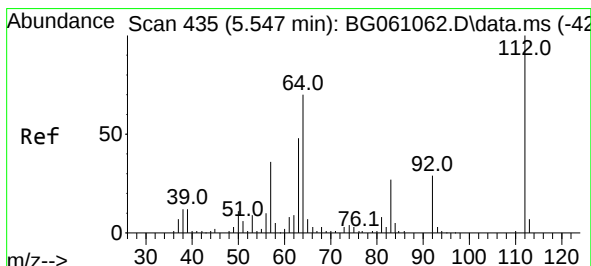
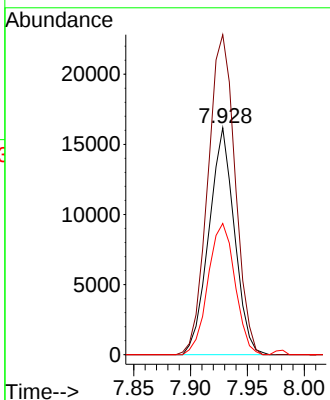
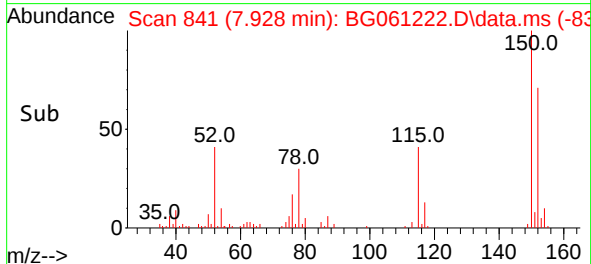
Instrument :
BNA_G
ClientSampleId :
72-11978



Tgt Ion:152 Resp: 25290
Ion Ratio Lower Upper
152 100
150 141.0 138.3 207.5
115 57.8 48.0 72.0

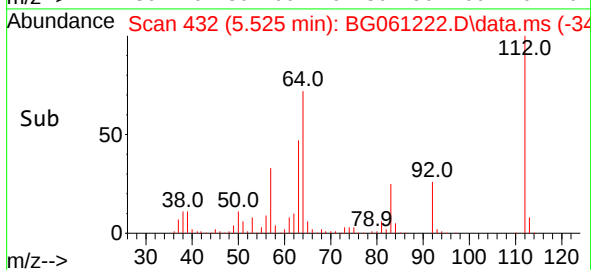
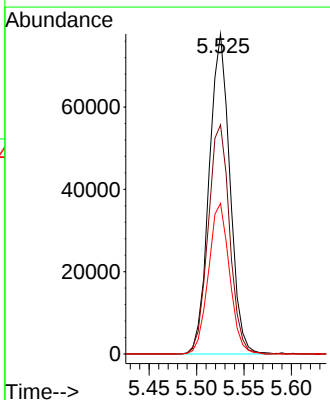
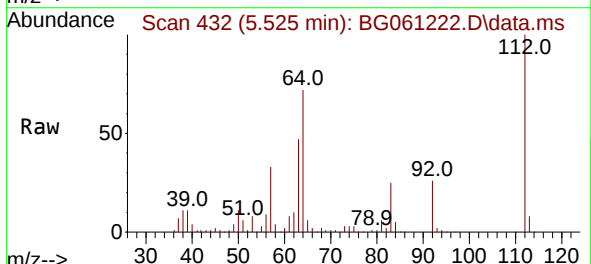
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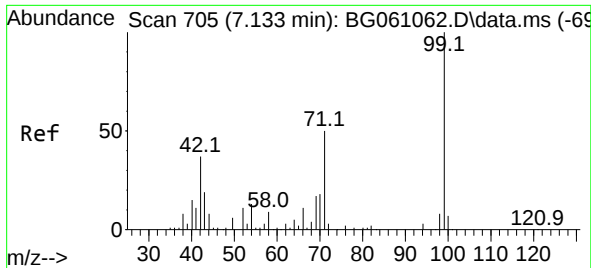
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#5
2-Fluorophenol
Concen: 94.925 ng
RT: 5.525 min Scan# 432
Delta R.T. -0.021 min
Lab File: BG061222.D
Acq: 16 May 2024 15:58

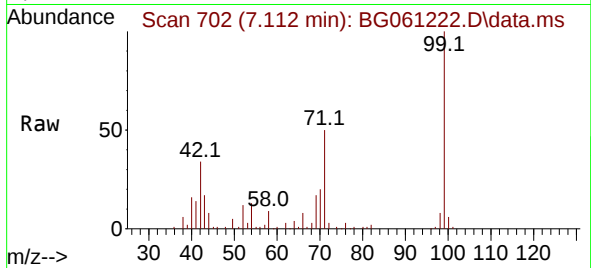
Tgt Ion:112 Resp: 118070
Ion Ratio Lower Upper
112 100
64 71.6 55.7 83.5
63 47.1 38.1 57.1





#7
Phenol-d6
Concen: 88.049 ng
RT: 7.112 min Scan# 705
Delta R.T. -0.021 min
Lab File: BG061222.D
Acq: 16 May 2024 15:58

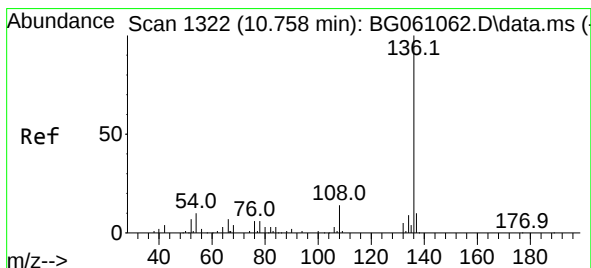
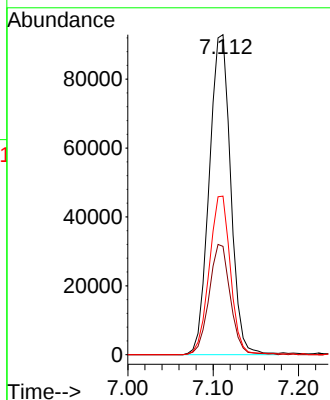
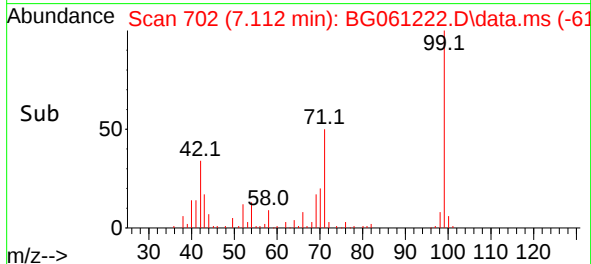
Instrument :
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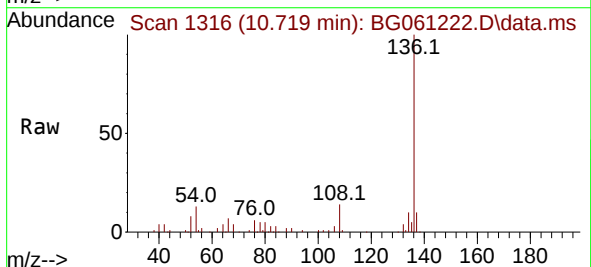
Tgt Ion: 99 Resp: 162010
Ion Ratio Lower Upper
99 100
42 33.9 29.2 43.8
71 49.5 39.7 59.5

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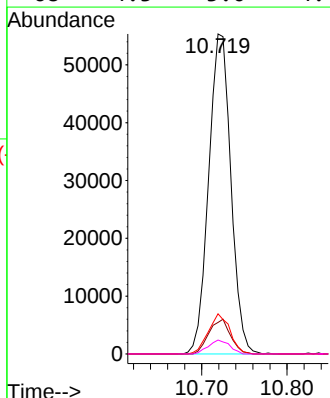
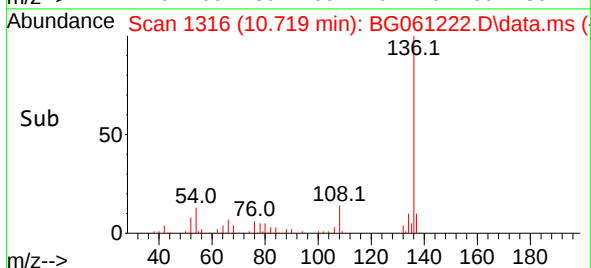
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024

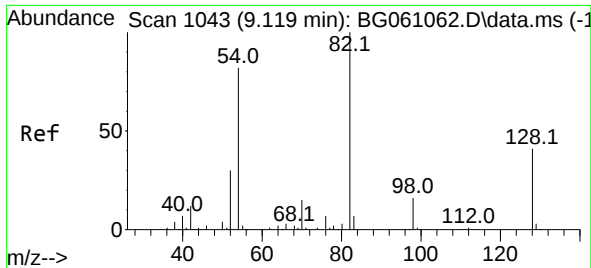


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.719 min Scan# 1316
Delta R.T. -0.039 min
Lab File: BG061222.D
Acq: 16 May 2024 15:58



Tgt Ion:136 Resp: 100286
Ion Ratio Lower Upper
136 100
137 9.9 7.8 11.6
54 12.5 8.1 12.1#
68 4.3 3.0 4.4





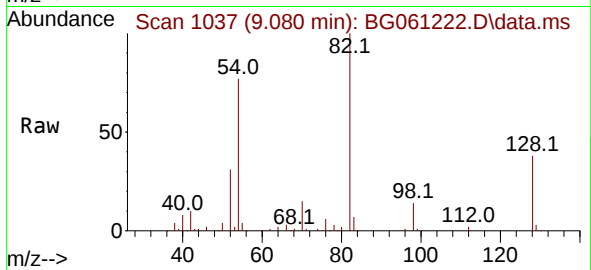
#23
Nitrobenzene-d5
Concen: 56.729 ng
RT: 9.080 min Scan# 110
Delta R.T. -0.039 min
Lab File: BG061222.D
Acq: 16 May 2024 15:58

Instrument :

BNA_G

ClientSampleId :

72-11978

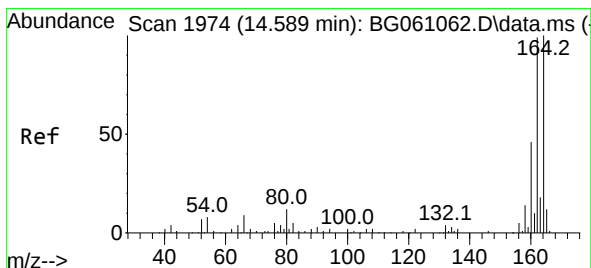
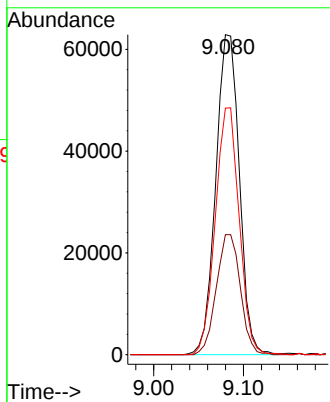
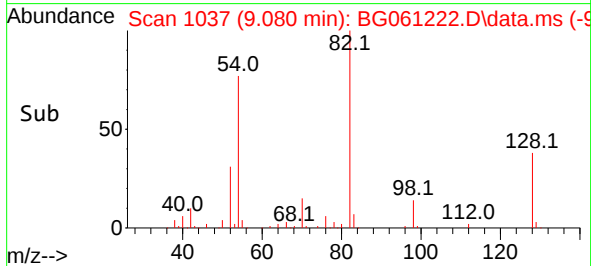


Tgt Ion: 82 Resp: 114764
Ion Ratio Lower Upper
82 100
128 37.5 32.7 49.1
54 77.0 65.6 98.4

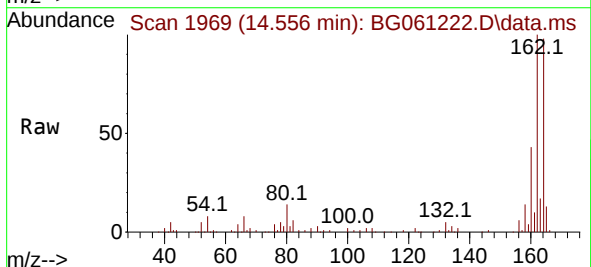
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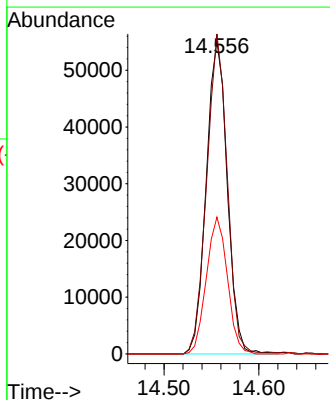
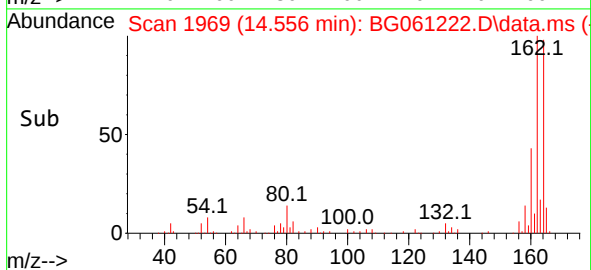
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024

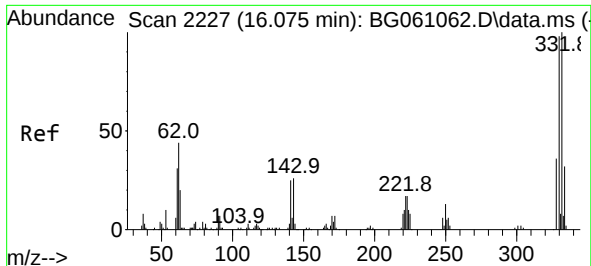


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.556 min Scan# 1969
Delta R.T. -0.033 min
Lab File: BG061222.D
Acq: 16 May 2024 15:58



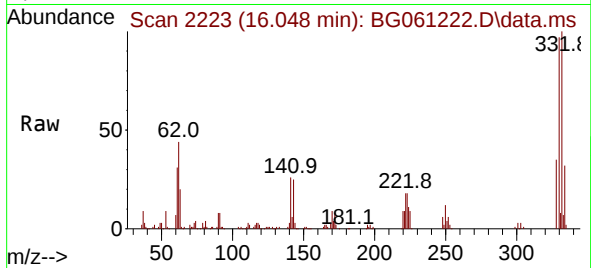
Tgt Ion:164 Resp: 84765
Ion Ratio Lower Upper
164 100
162 102.4 79.4 119.2
160 43.8 37.0 55.6





#42
2,4,6-Tribromophenol
Concen: 75.742 ng
RT: 16.048 min Scan# 21
Delta R.T. -0.027 min
Lab File: BG061222.D
Acq: 16 May 2024 15:58

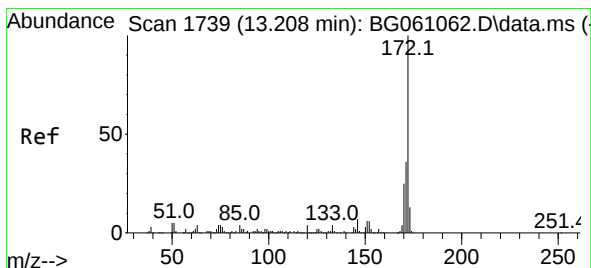
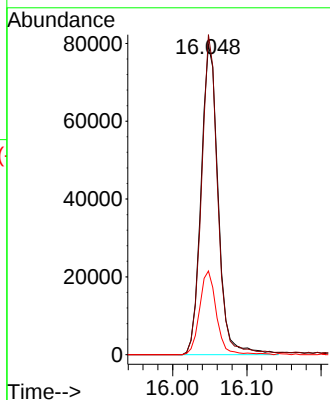
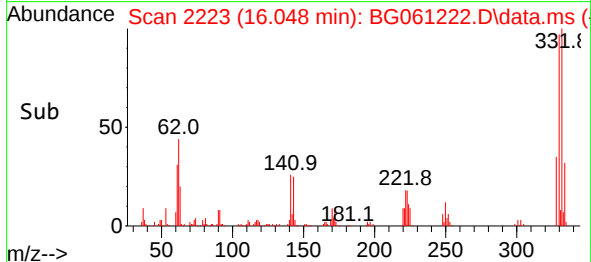
Instrument :
BNA_G
ClientSampleId :
72-11978



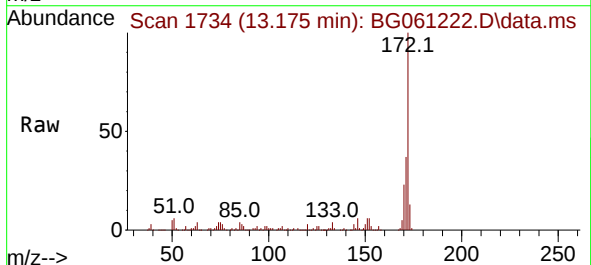
Tgt Ion:330 Resp: 128330
Ion Ratio Lower Upper
330 100
332 98.4 78.6 117.8
141 26.6 20.5 30.7

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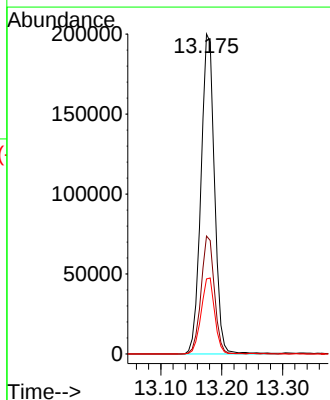
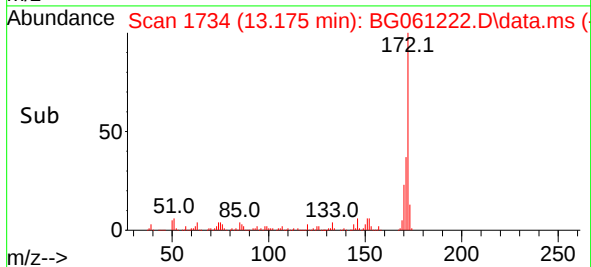
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024

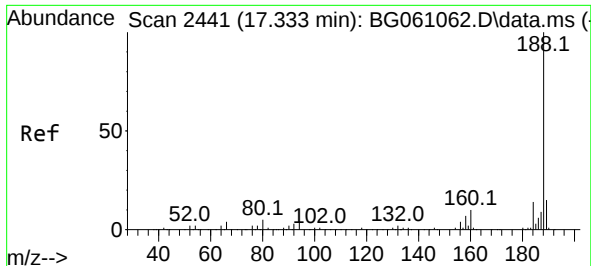


#45
2-Fluorobiphenyl
Concen: 54.092 ng
RT: 13.175 min Scan# 1734
Delta R.T. -0.033 min
Lab File: BG061222.D
Acq: 16 May 2024 15:58



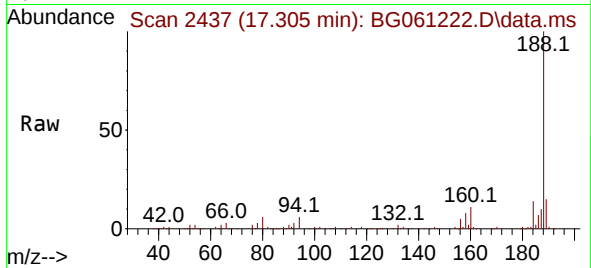
Tgt Ion:172 Resp: 310071
Ion Ratio Lower Upper
172 100
171 36.9 29.0 43.6
170 23.4 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.305 min Scan# 2437
Delta R.T. -0.027 min
Lab File: BG061222.D
Acq: 16 May 2024 15:58

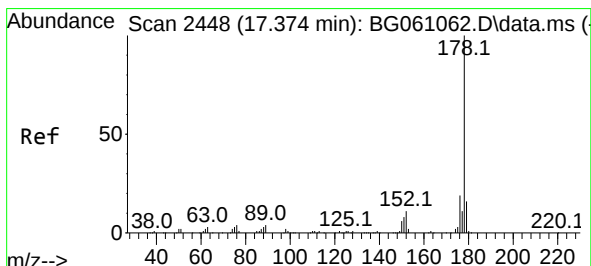
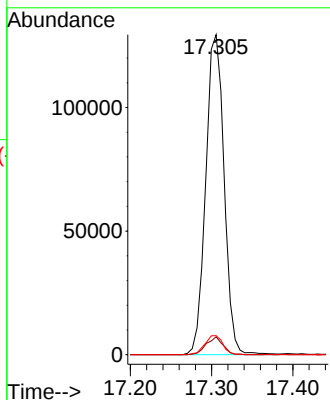
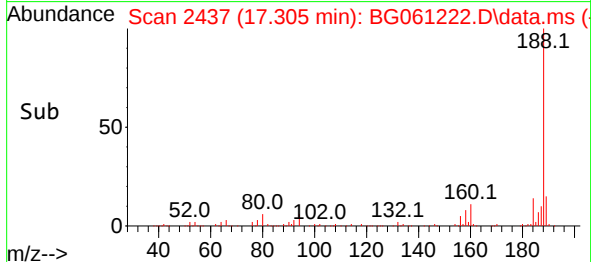
Instrument :
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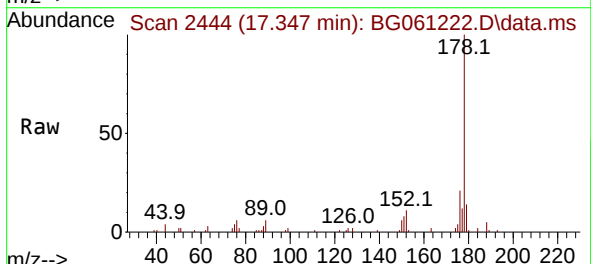
Tgt Ion:188 Resp: 202968
Ion Ratio Lower Upper
188 100
94 5.6 3.6 5.4
80 6.0 4.2 6.2

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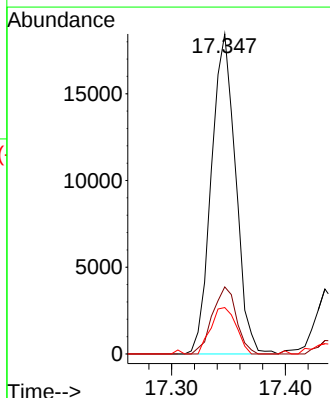
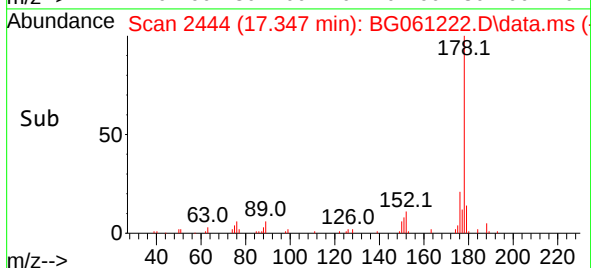
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024

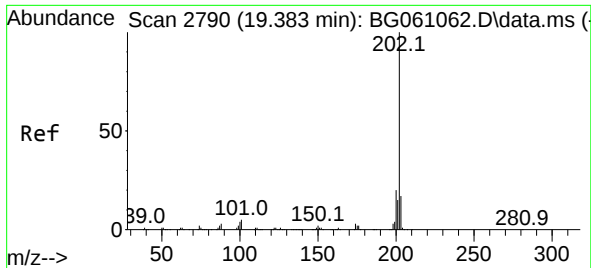


#71
Phenanthrene
Concen: 2.945 ng
RT: 17.347 min Scan# 2444
Delta R.T. -0.027 min
Lab File: BG061222.D
Acq: 16 May 2024 15:58



Tgt Ion:178 Resp: 27330
Ion Ratio Lower Upper
178 100
176 21.0 15.5 23.3
179 14.5 12.6 19.0





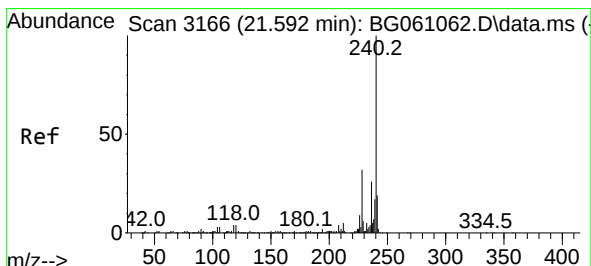
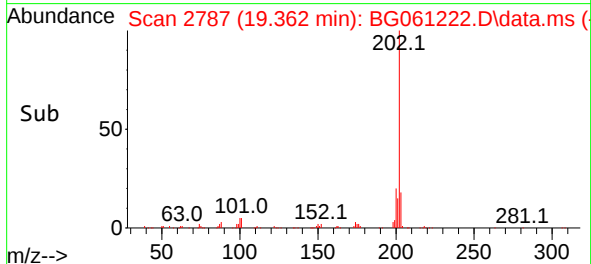
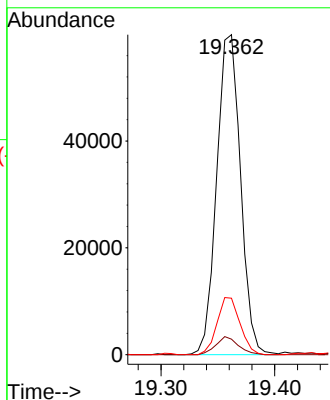
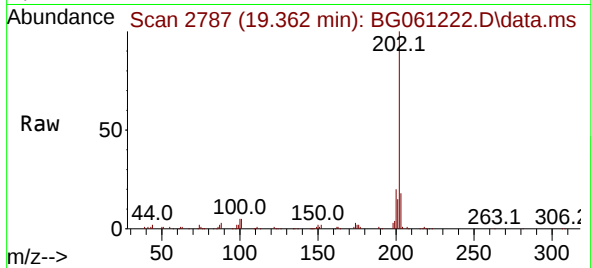
#75
Fluoranthene
Concen: 6.862 ng
RT: 19.362 min Scan# 21
Delta R.T. -0.021 min
Lab File: BG061222.D
Acq: 16 May 2024 15:58

Instrument :
BNA_G
ClientSampleId :
72-11978

Tgt Ion:202 Resp: 8724
Ion Ratio Lower Upper
202 100
101 4.9 0.0 24.7
203 17.7 0.0 37.1

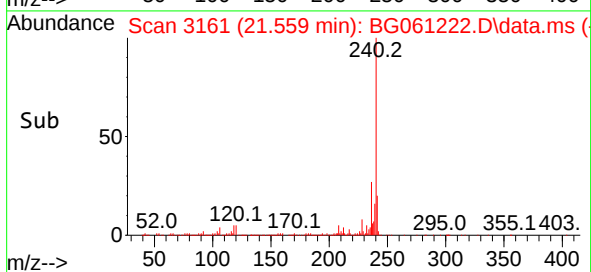
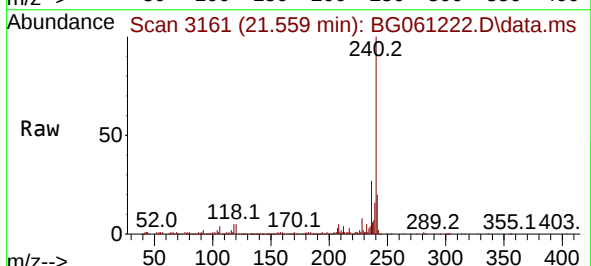
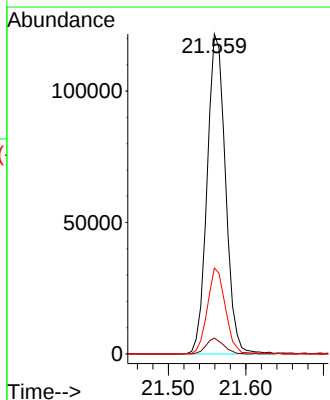
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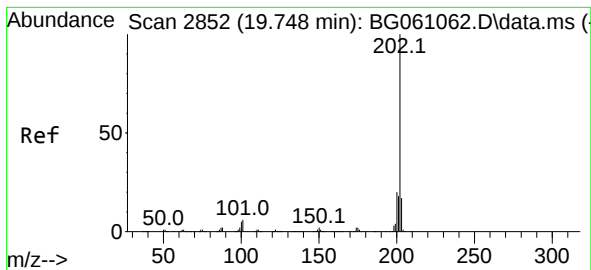
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.559 min Scan# 3161
Delta R.T. -0.033 min
Lab File: BG061222.D
Acq: 16 May 2024 15:58

Tgt Ion:240 Resp: 199916
Ion Ratio Lower Upper
240 100
120 4.9 3.2 4.8#
236 26.9 21.0 31.6





#78

Pyrene

Concen: 5.922 ng

RT: 19.720 min Scan# 2848

Delta R.T. -0.027 min

Lab File: BG061222.D

Acq: 16 May 2024 15:58

Instrument :

BNA_G

ClientSampleId :

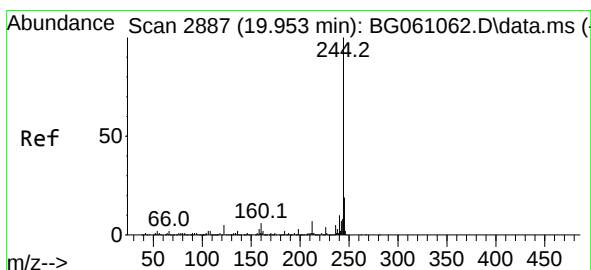
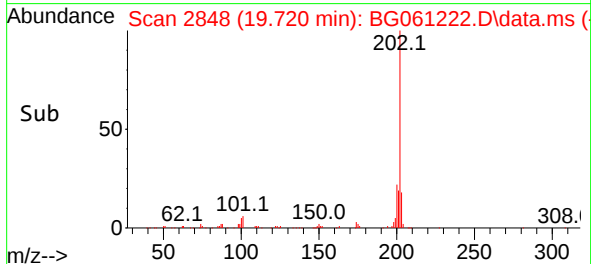
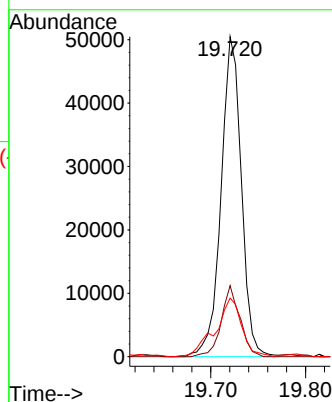
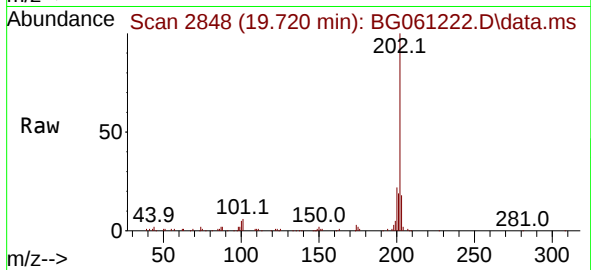
72-11978

Tgt Ion:	202	Resp:	75260
Ion	Ratio	Lower	Upper
202	100		
200	22.2	16.2	24.4
203	18.3	13.3	19.9

Manual Integrations

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#79

Terphenyl-d14

Concen: 52.065 ng

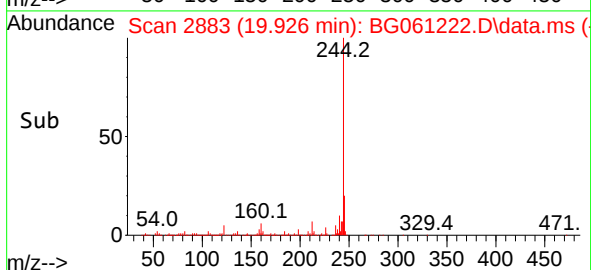
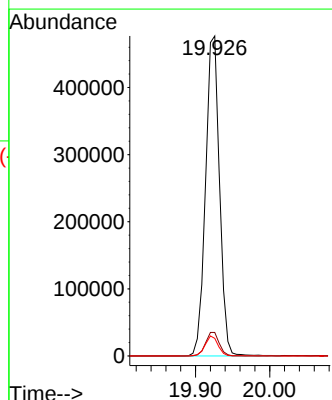
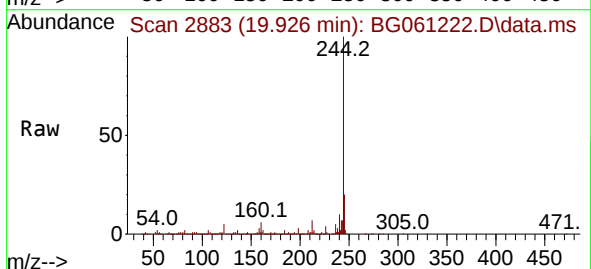
RT: 19.926 min Scan# 2883

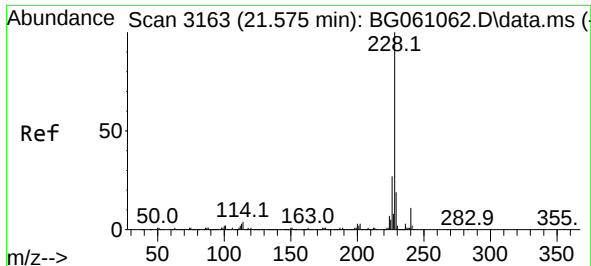
Delta R.T. -0.027 min

Lab File: BG061222.D

Acq: 16 May 2024 15:58

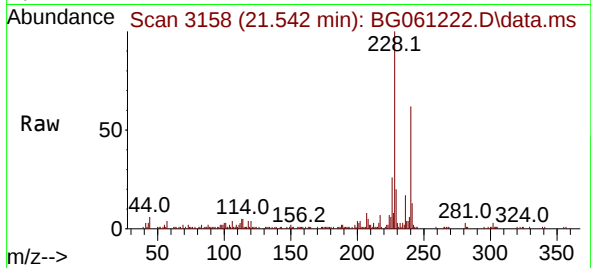
Tgt Ion:	244	Resp:	625841
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.7	8.5
122	5.5	4.2	6.2





#81
Benzo(a)anthracene
Concen: 3.804 ng
RT: 21.542 min Scan# 3163
Delta R.T. -0.033 min
Lab File: BG061222.D
Acq: 16 May 2024 15:58

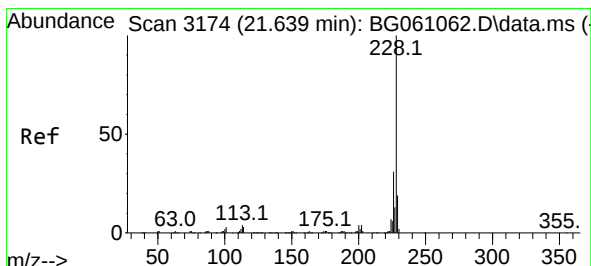
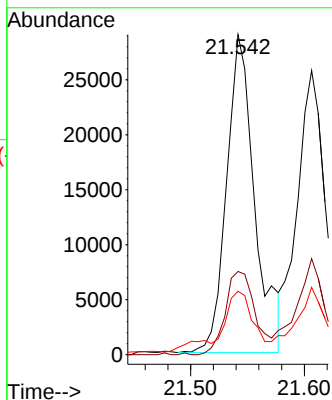
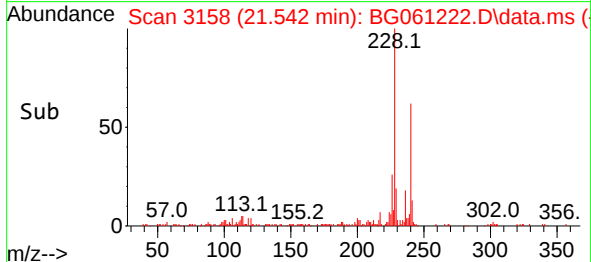
Instrument :
BNA_G
ClientSampleId :
72-11978



Tgt Ion:228 Resp: 49764
Ion Ratio Lower Upper
228 100
226 26.0 21.6 32.4
229 19.8 15.0 22.4

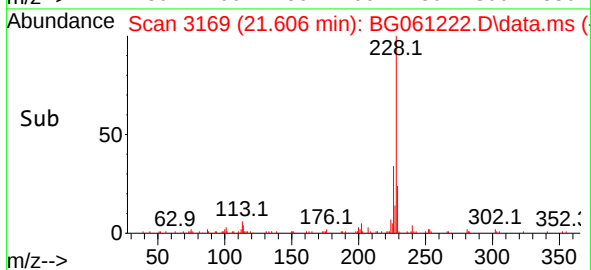
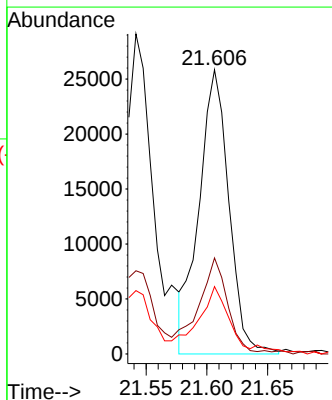
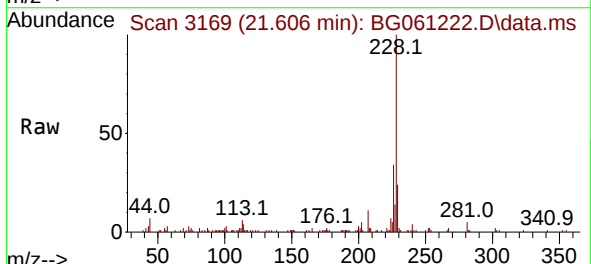
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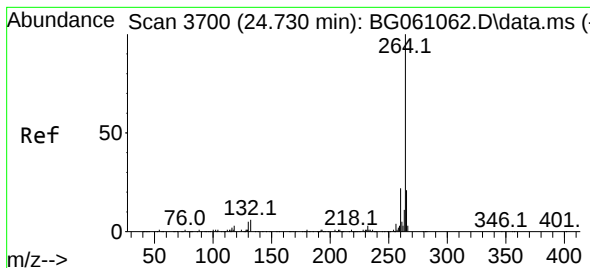
Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024



#83
Chrysene
Concen: 3.620 ng m
RT: 21.606 min Scan# 3169
Delta R.T. -0.033 min
Lab File: BG061222.D
Acq: 16 May 2024 15:58

Tgt Ion:228 Resp: 44372
Ion Ratio Lower Upper
228 100
226 33.8 24.4 36.6
229 23.7 14.8 22.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.685 min Scan# 3

Delta R.T. -0.045 min

Lab File: BG061222.D

Acq: 16 May 2024 15:58

Instrument :

BNA_G

ClientSampleId :

72-11978

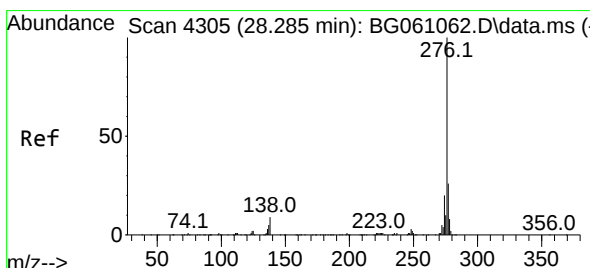
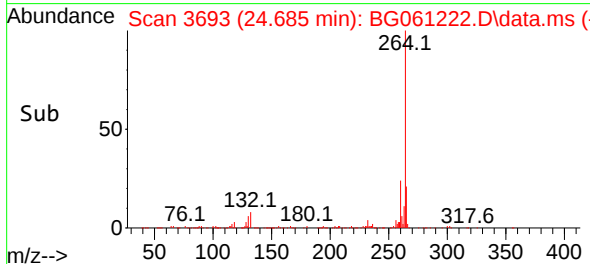
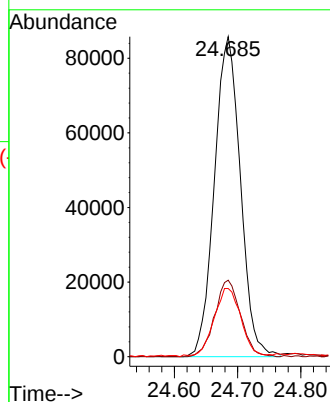
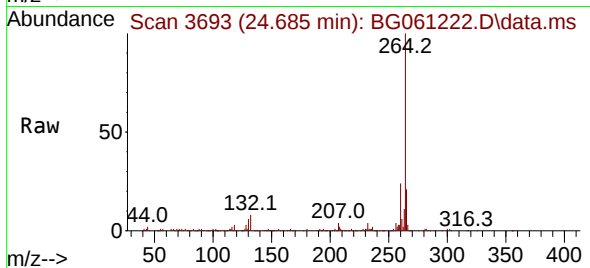
Tgt Ion:264 Resp: 245380

Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.7	26.5
265	21.3	16.4	24.6

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



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.048 ng m

RT: 28.210 min Scan# 4293

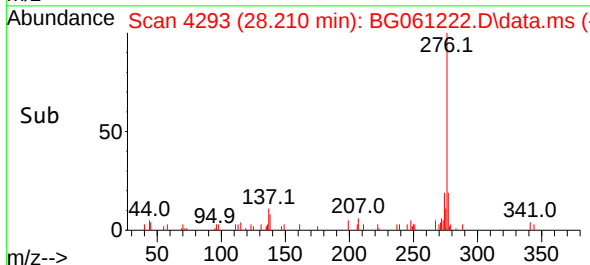
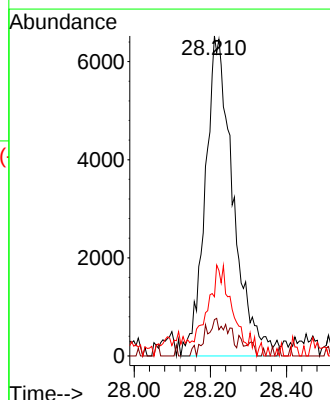
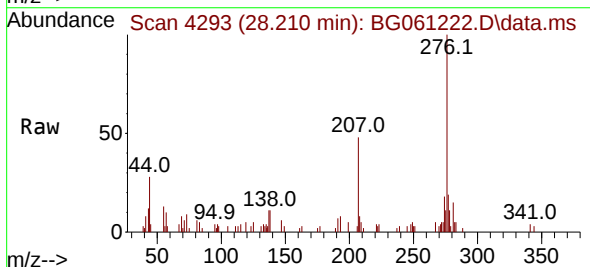
Delta R.T. -0.074 min

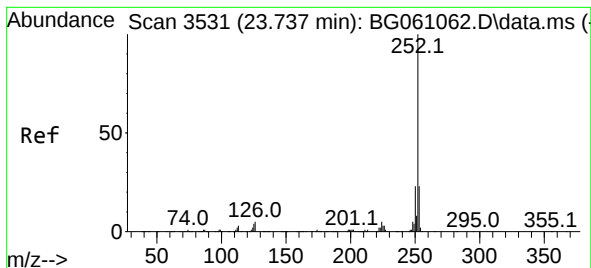
Lab File: BG061222.D

Acq: 16 May 2024 15:58

Tgt Ion:276 Resp: 33301

Ion	Ratio	Lower	Upper
276	100		
138	9.1	5.1	7.7#
277	24.9	20.6	30.8





#88

Benzo(b)fluoranthene

Concen: 4.605 ng

RT: 23.698 min Scan# 3525

Delta R.T. -0.039 min

Lab File: BG061222.D

Acq: 16 May 2024 15:58

Instrument :

BNA_G

ClientSampleId :

72-11978

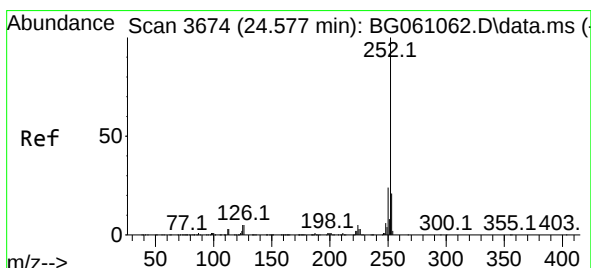
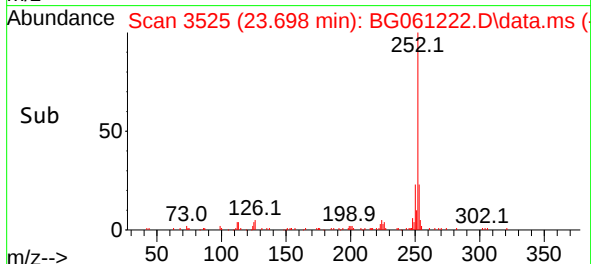
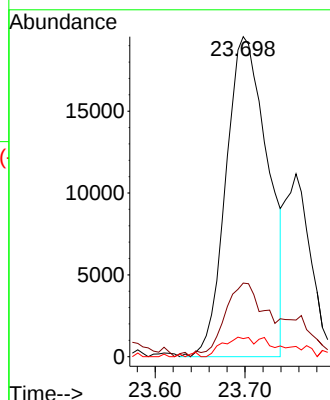
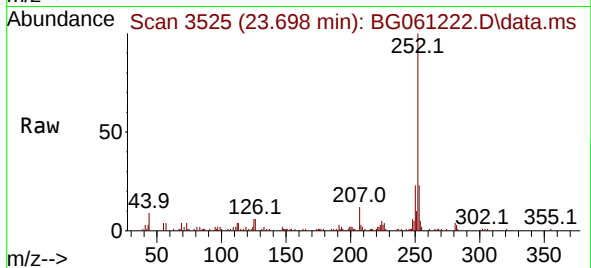
Tgt Ion:252 Resp: 6314

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	5.7	3.4	5.0

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



#90

Benzo(a)pyrene

Concen: 3.743 ng

RT: 24.538 min Scan# 3668

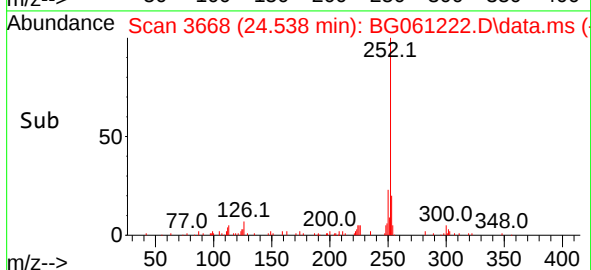
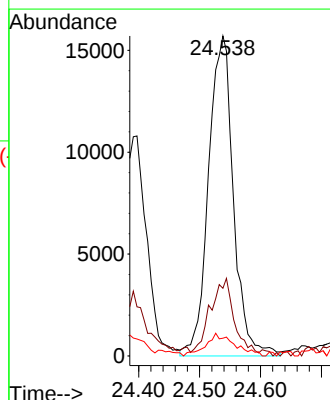
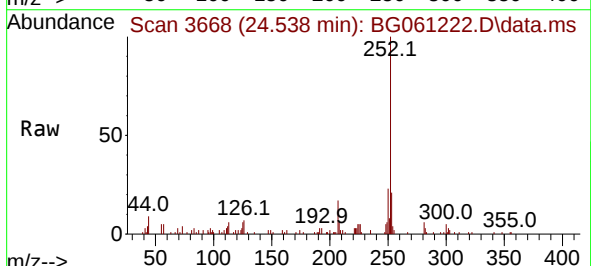
Delta R.T. -0.039 min

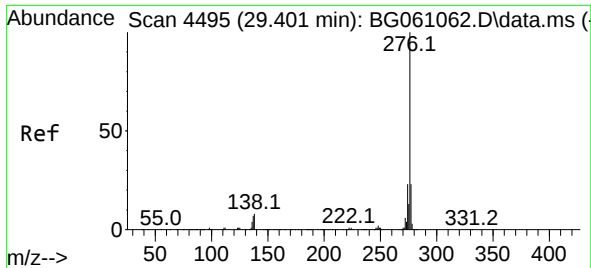
Lab File: BG061222.D

Acq: 16 May 2024 15:58

Tgt Ion:252 Resp: 44718

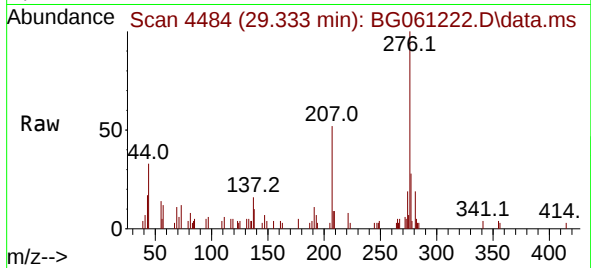
Ion	Ratio	Lower	Upper
252	100		
253	21.1	16.9	25.3
125	5.6	3.8	5.8





#92
Benzo(g,h,i)perylene
Concen: 2.347 ng m
RT: 29.333 min Scan# 44
Delta R.T. -0.068 min
Lab File: BG061222.D
Acq: 16 May 2024 15:58

Instrument :
BNA_G
ClientSampleId :
72-11978



Tgt Ion:276 Resp: 31404
Ion Ratio Lower Upper
276 100
277 28.1 18.2 27.4
138 9.8 6.2 9.2

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

