

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050624\
 Data File : BG061122.D
 Acq On : 6 May 2024 16:08
 Operator : MA/JU
 Sample : P2390-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BG-3

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/07/2024
 Supervised By :mohammad ahmed 05/08/2024

Quant Time: May 06 16:44:17 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	7.934	152	29948	20.000	ng	-0.03
21) Naphthalene-d8	10.731	136	115914	20.000	ng	-0.03
39) Acenaphthene-d10	14.562	164	87297	20.000	ng	-0.03
64) Phenanthrene-d10	17.311	188	195177	20.000	ng	-0.02
76) Chrysene-d12	21.571	240	190171	20.000	ng	-0.02
86) Perylene-d12	24.697	264	145585	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.531	112	90334	61.345	ng	-0.02
7) Phenol-d6	7.112	99	134657	61.815	ng	-0.02
23) Nitrobenzene-d5	9.092	82	101521	43.417	ng	-0.03
42) 2,4,6-Tribromophenol	16.054	330	107502	61.609	ng	-0.02
45) 2-Fluorobiphenyl	13.187	172	277718	47.042	ng	-0.02
79) Terphenyl-d14	19.932	244	461234	40.337	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.353	178	65924	7.387	ng	99
75) Fluoranthene	19.368	202	222013	18.159	ng	99
78) Pyrene	19.726	202	180811	14.955	ng	98
81) Benzo(a)anthracene	21.554	228	106343m	8.546	ng	
83) Chrysene	21.618	228	134782m	11.560	ng	
87) Indeno(1,2,3-cd)pyrene	28.246	276	38086m	3.947	ng	
88) Benzo(b)fluoranthene	23.716	252	121867	14.980	ng	98
89) Benzo(k)fluoranthene	23.769	252	61035m	7.799	ng	
90) Benzo(a)pyrene	24.550	252	61739	8.711	ng	# 92

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

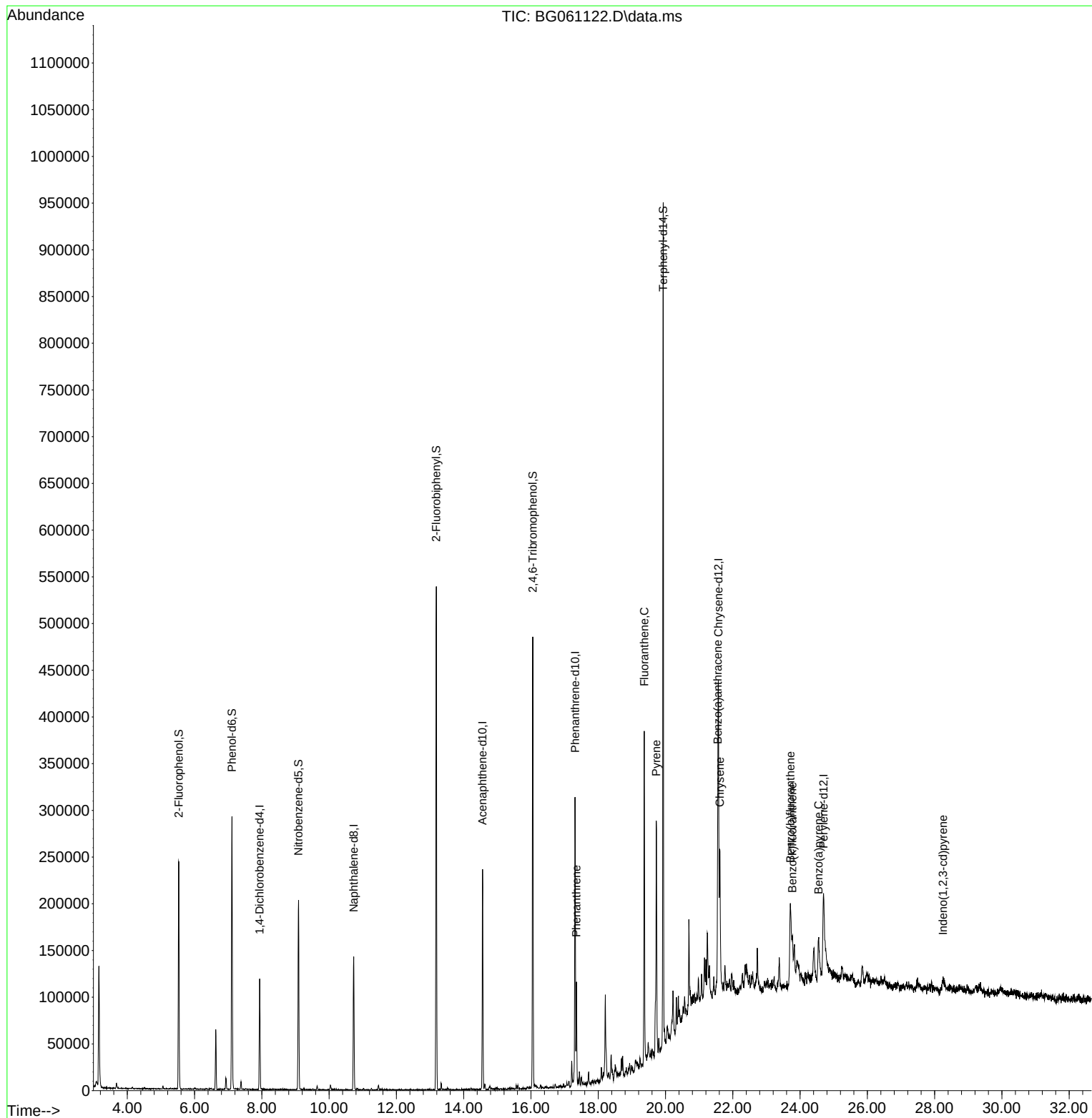
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050624\
Data File : BG061122.D
Acq On : 6 May 2024 16:08
Operator : MA/JU
Sample : P2390-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

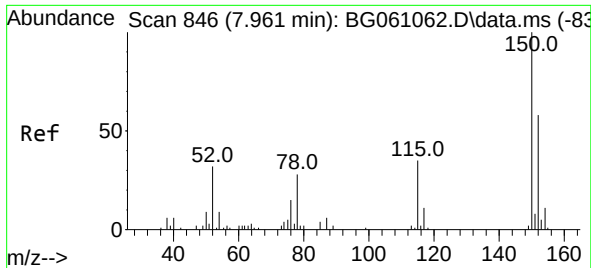
Instrument :
BNA_G
ClientSampleId :
BG-3

Quant Time: May 06 16:44:17 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

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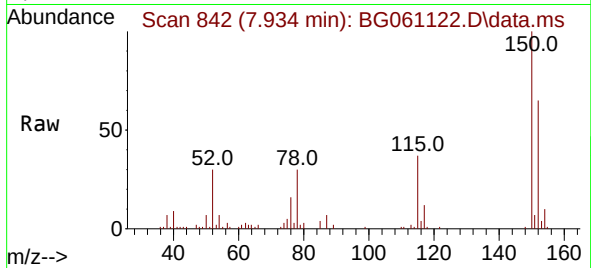
Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.934 min Scan# 846
Delta R.T. -0.027 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08

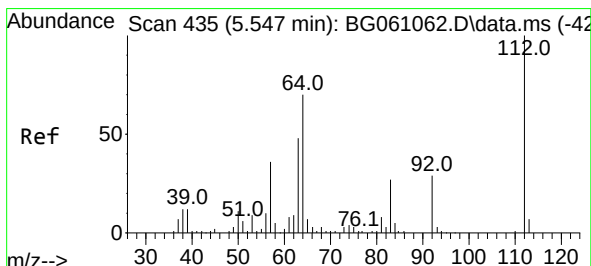
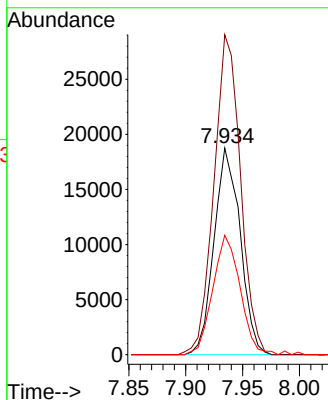
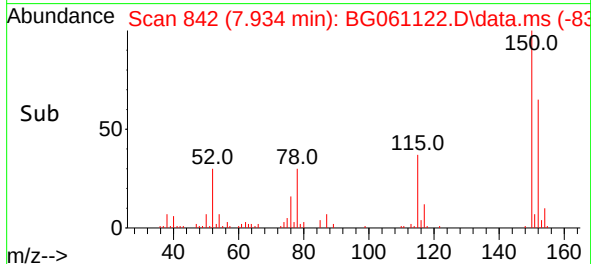
Instrument :
BNA_G
ClientSampleId :
BG-3



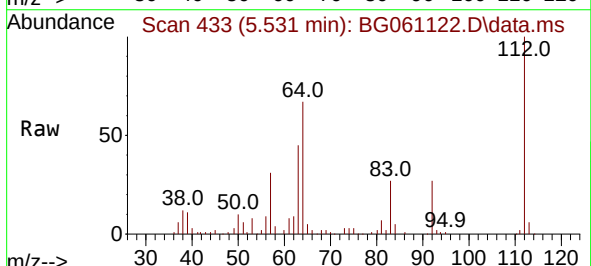
Tgt Ion:152 Resp: 2994
Ion Ratio Lower Upper
152 100
150 155.0 138.3 207.5
115 57.8 48.0 72.0

Manual Integrations
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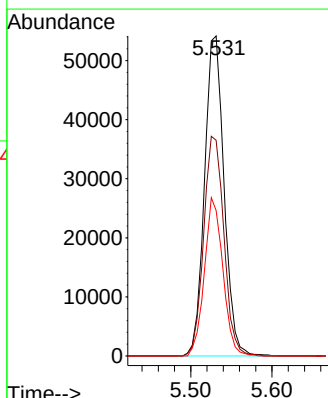
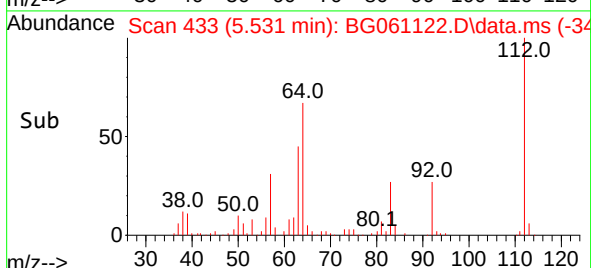
Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024

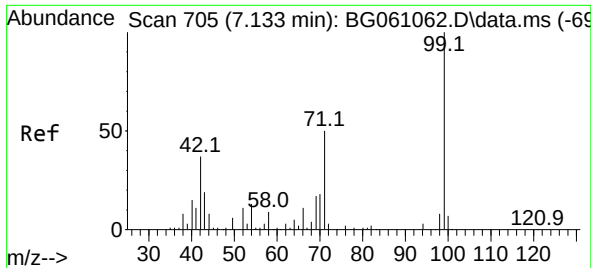


#5
2-Fluorophenol
Concen: 61.345 ng
RT: 5.531 min Scan# 433
Delta R.T. -0.015 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08



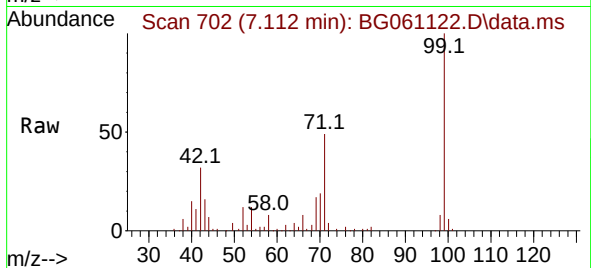
Tgt Ion:112 Resp: 90334
Ion Ratio Lower Upper
112 100
64 67.4 55.7 83.5
63 45.4 38.1 57.1





#7
Phenol-d6
Concen: 61.815 ng
RT: 7.112 min Scan# 705
Delta R.T. -0.021 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08

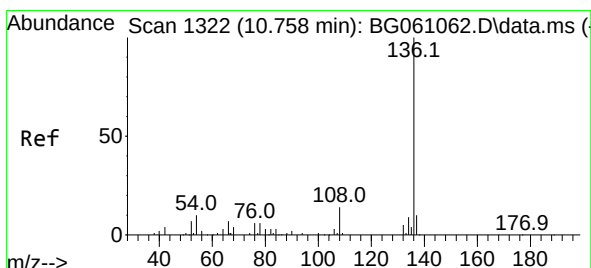
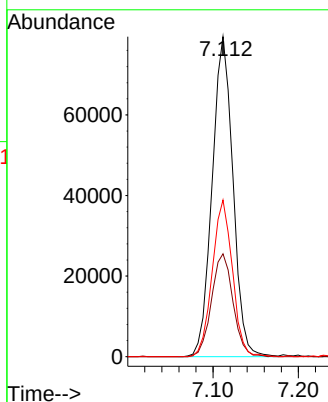
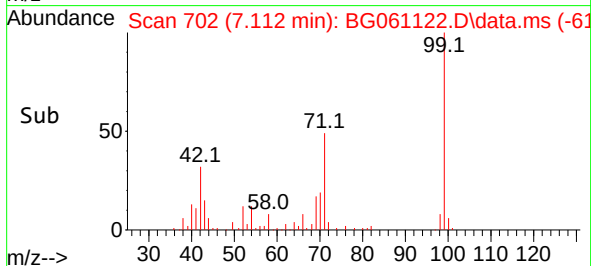
Instrument :
BNA_G
ClientSampleId :
BG-3



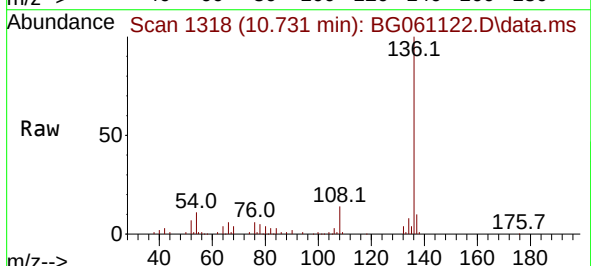
Tgt Ion: 99 Resp: 13465
Ion Ratio Lower Upper
99 100
42 32.1 29.2 43.8
71 49.0 39.7 59.5

Manual Integrations
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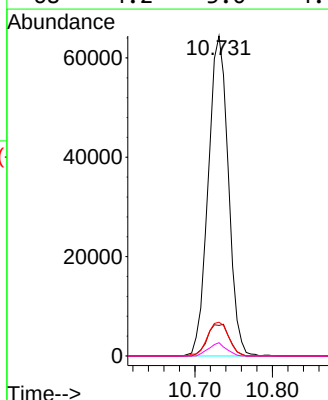
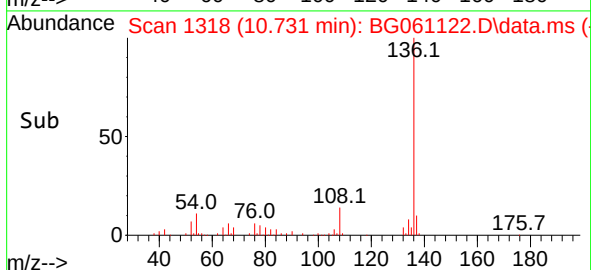
Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024

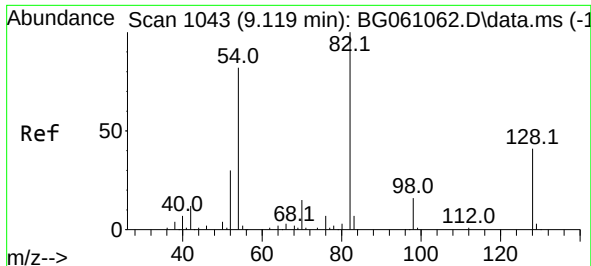


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.731 min Scan# 1318
Delta R.T. -0.027 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08



Tgt Ion:136 Resp: 115914
Ion Ratio Lower Upper
136 100
137 9.5 7.8 11.6
54 10.6 8.1 12.1
68 4.2 3.0 4.4





#23

Nitrobenzene-d5

Concen: 43.417 ng

RT: 9.092 min Scan# 1043

Delta R.T. -0.027 min

Lab File: BG061122.D

Acq: 6 May 2024 16:08

Instrument :

BNA_G

ClientSampleId :

BG-3

Tgt Ion: 82 Resp: 10152

Ion Ratio Lower Upper

82 100

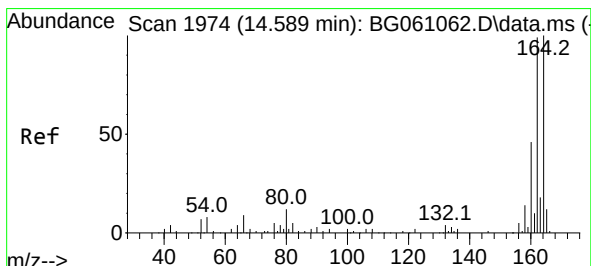
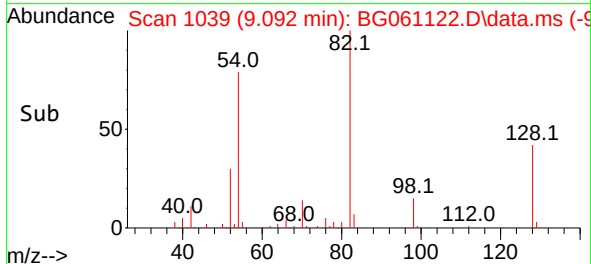
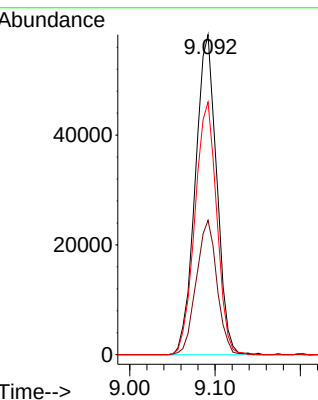
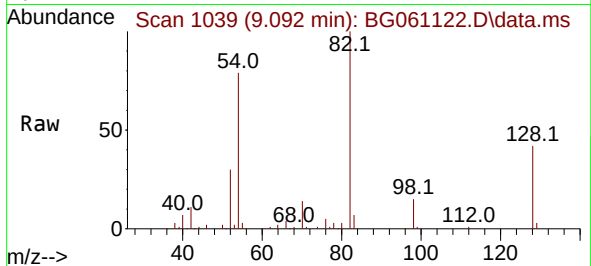
128 42.0 32.7 49.1

54 78.9 65.6 98.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/07/2024
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: BG061122.D

Acq: 6 May 2024 16:08

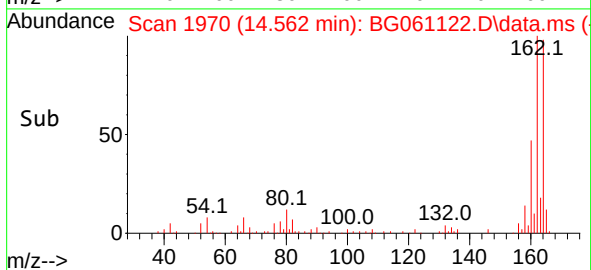
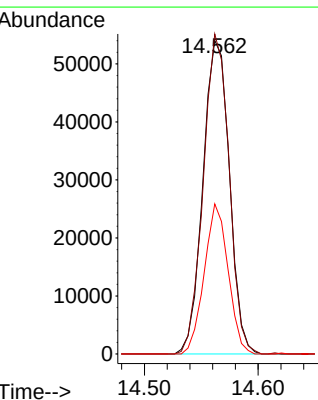
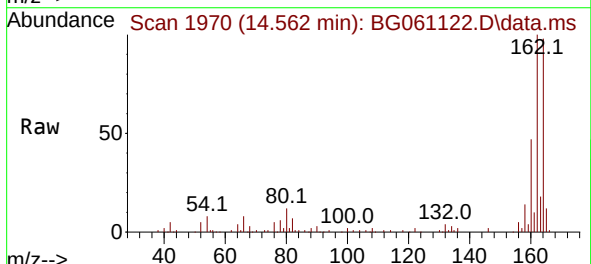
Tgt Ion:164 Resp: 87297

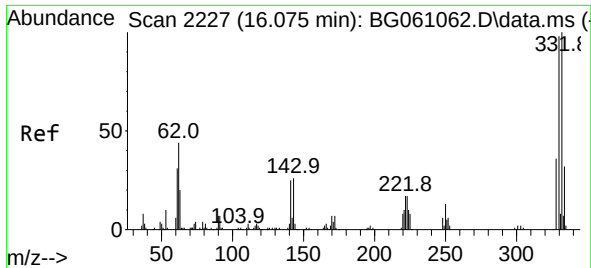
Ion Ratio Lower Upper

164 100

162 102.1 79.4 119.2

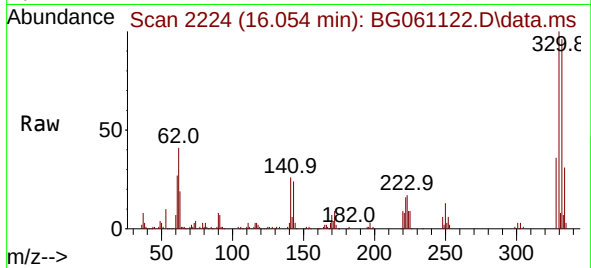
160 47.9 37.0 55.6





#42
2,4,6-Tribromophenol
Concen: 61.609 ng
RT: 16.054 min Scan# 211
Delta R.T. -0.021 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08

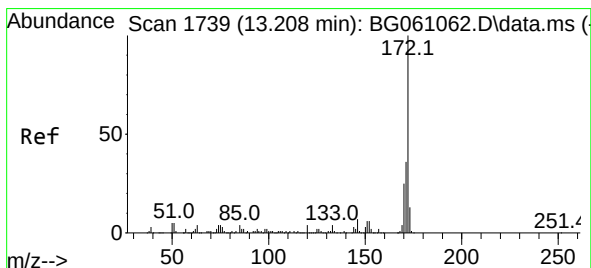
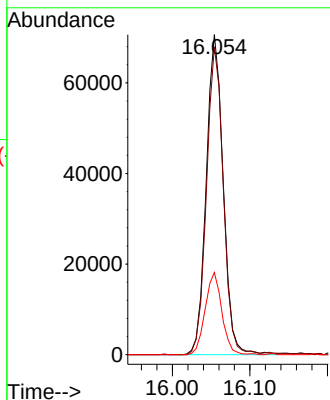
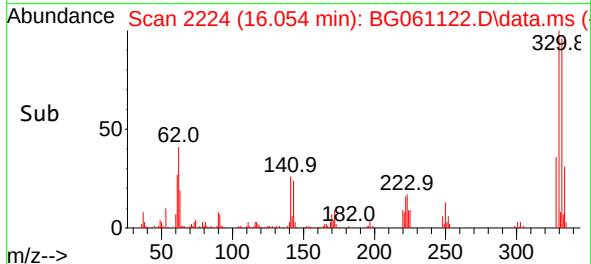
Instrument :
BNA_G
ClientSampleId :
BG-3



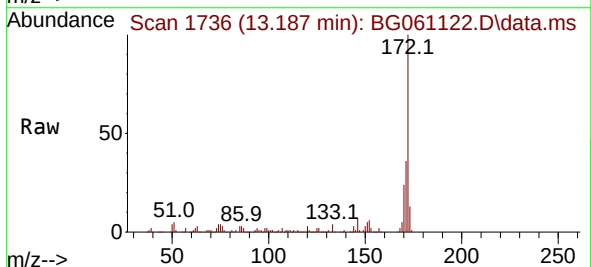
Tgt Ion:330 Resp: 10750
Ion Ratio Lower Upper
330 100
332 95.0 78.6 117.8
141 25.3 20.5 30.7

Manual Integrations
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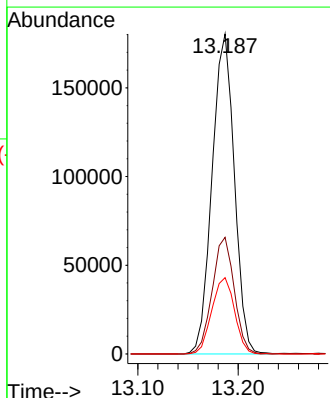
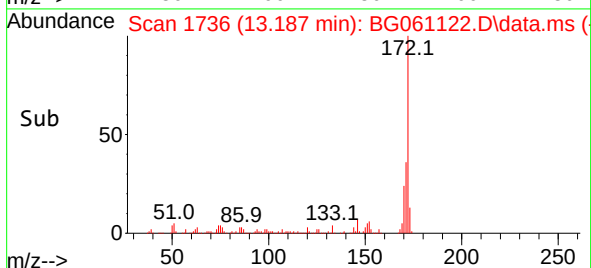
Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024

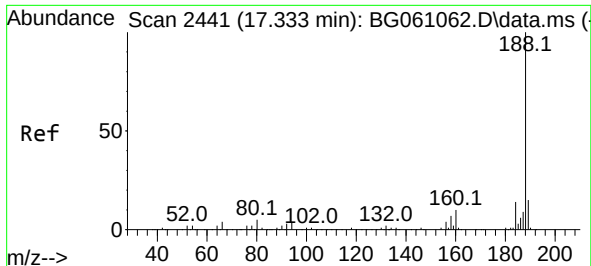


#45
2-Fluorobiphenyl
Concen: 47.042 ng
RT: 13.187 min Scan# 1736
Delta R.T. -0.021 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08



Tgt Ion:172 Resp: 277718
Ion Ratio Lower Upper
172 100
171 36.4 29.0 43.6
170 23.9 20.2 30.4





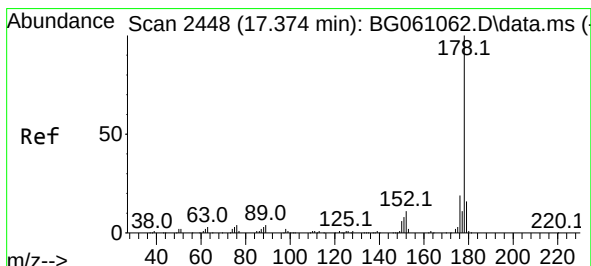
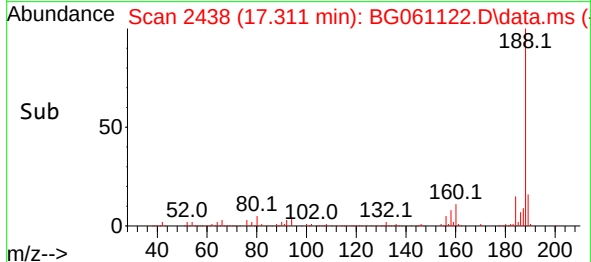
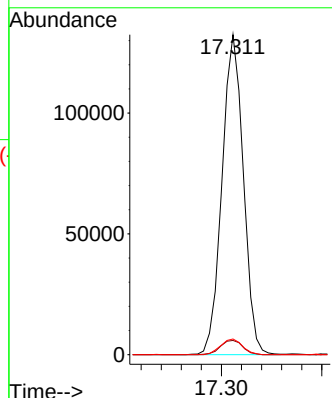
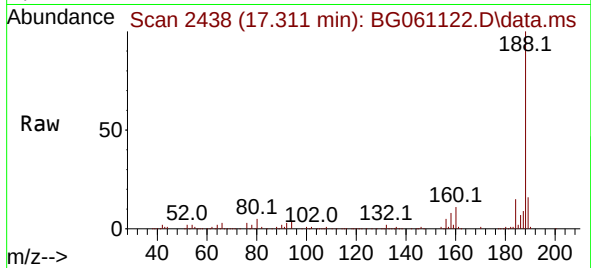
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.311 min Scan# 2438
Delta R.T. -0.021 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08

Instrument :
BNA_G
ClientSampleId :
BG-3

Tgt Ion:188 Resp: 19517
Ion Ratio Lower Upper
188 100
94 4.4 3.6 5.4
80 4.9 4.2 6.2

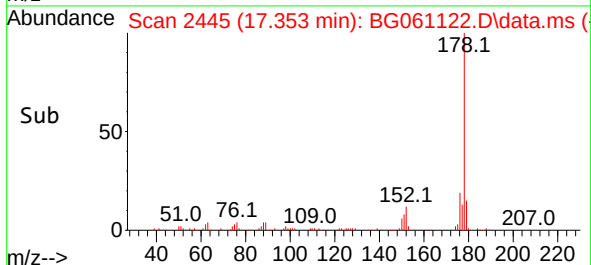
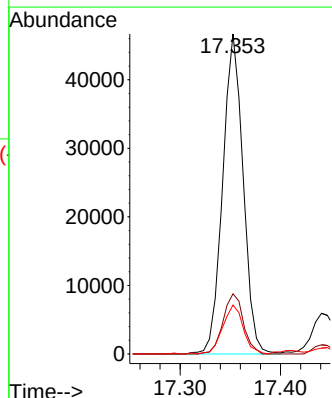
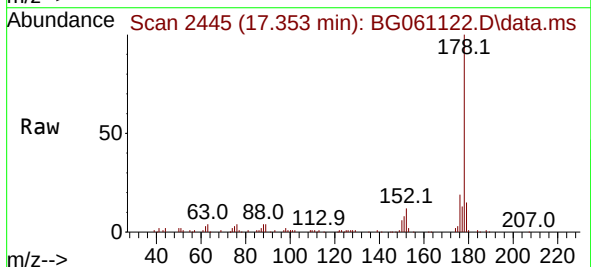
Manual Integrations
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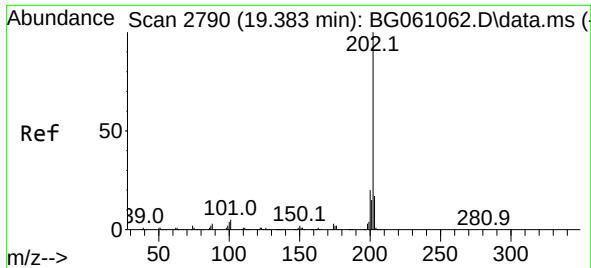
Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024



#71
Phenanthrene
Concen: 7.387 ng
RT: 17.353 min Scan# 2445
Delta R.T. -0.021 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08

Tgt Ion:178 Resp: 65924
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 15.3 12.6 19.0





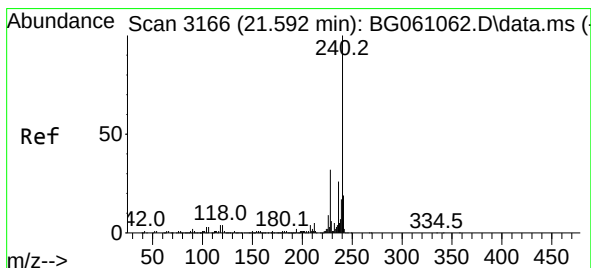
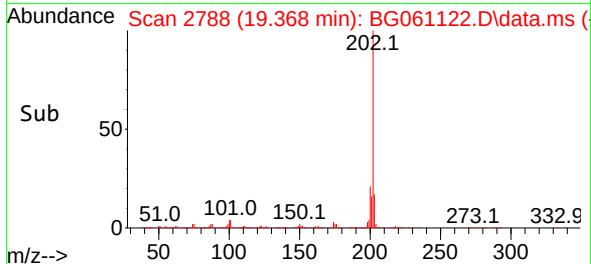
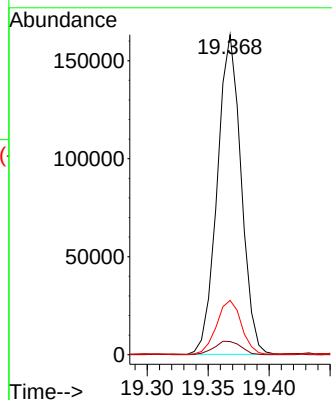
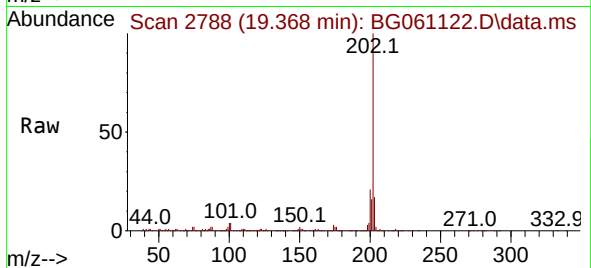
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Fluoranthene
Concen: 18.159 ng
RT: 19.368 min Scan# 21
Delta R.T. -0.015 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08

Instrument :
BNA_G
ClientSampleId :
BG-3

Tgt Ion:202 Resp: 22201
Ion Ratio Lower Upper
202 100
101 4.1 0.0 24.7
203 16.9 0.0 37.1

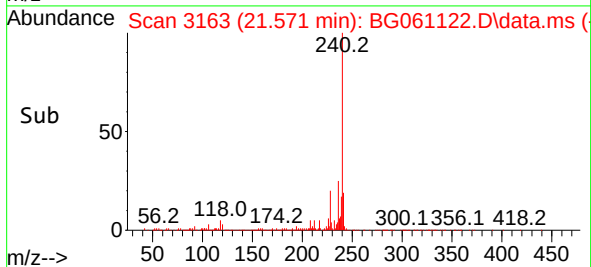
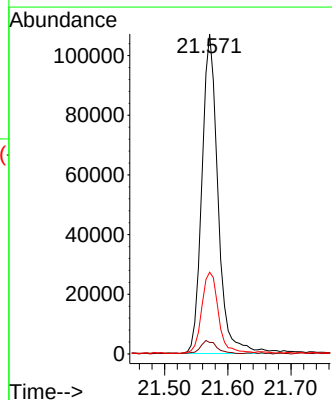
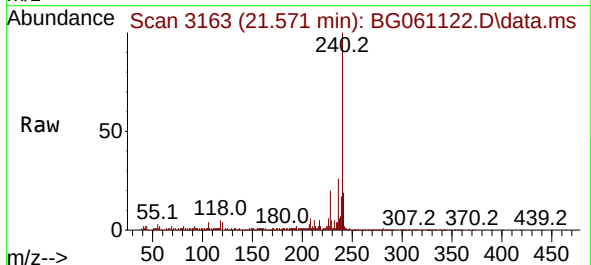
Manual Integrations
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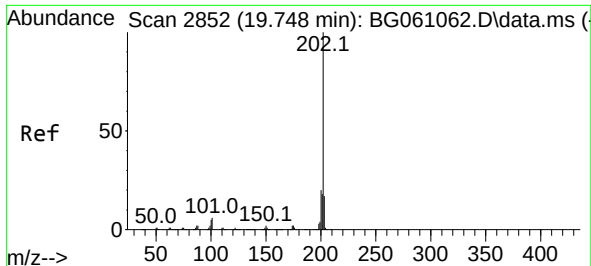
Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.571 min Scan# 3163
Delta R.T. -0.021 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08

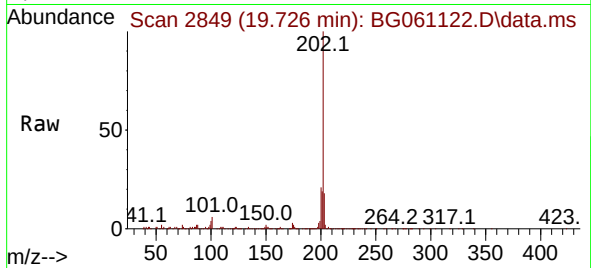
Tgt Ion:240 Resp: 190171
Ion Ratio Lower Upper
240 100
120 3.6 3.2 4.8
236 25.6 21.0 31.6





#78
Pyrene
Concen: 14.955 ng
RT: 19.726 min Scan# 2849
Delta R.T. -0.021 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08

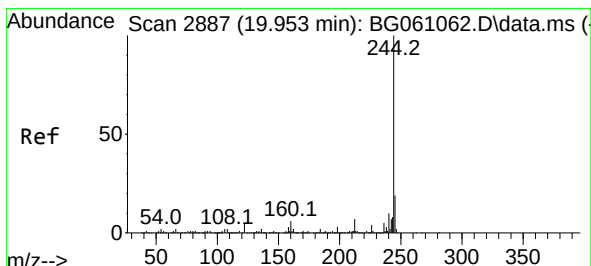
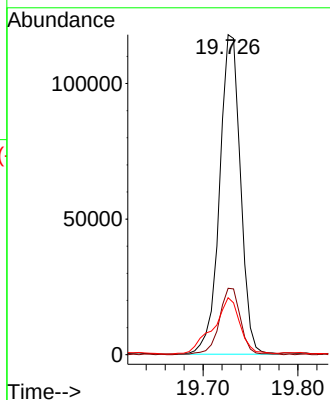
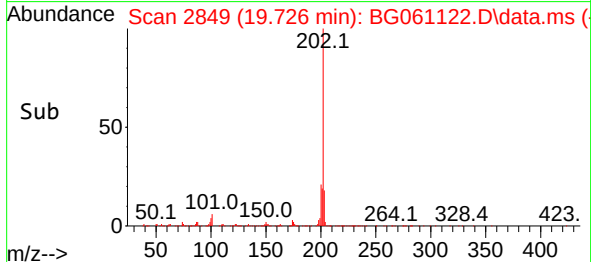
Instrument :
BNA_G
ClientSampleId :
BG-3



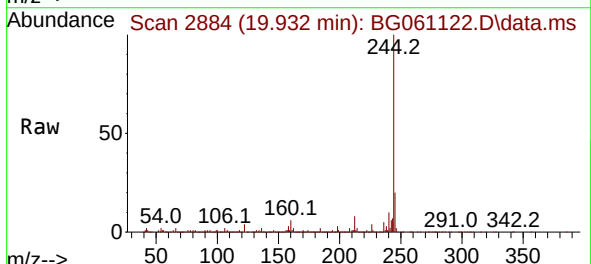
Tgt Ion:202 Resp: 18081
Ion Ratio Lower Upper
202 100
200 20.7 16.2 24.4
203 17.8 13.3 19.9

Manual Integrations
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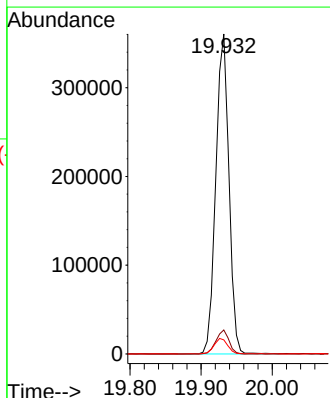
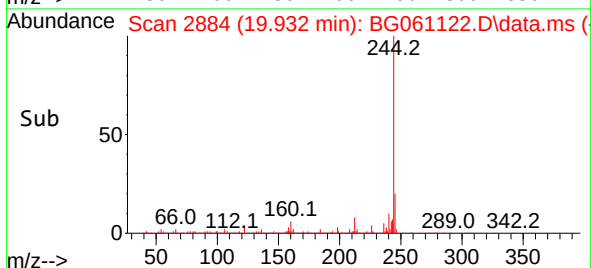
Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024

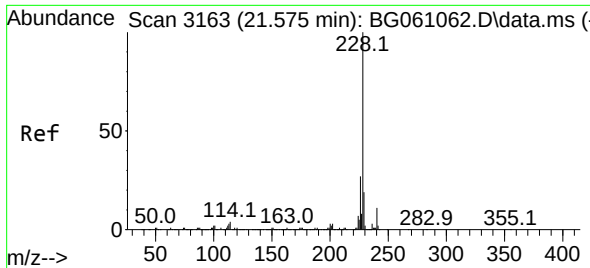


#79
Terphenyl-d14
Concen: 40.337 ng
RT: 19.932 min Scan# 2884
Delta R.T. -0.021 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08



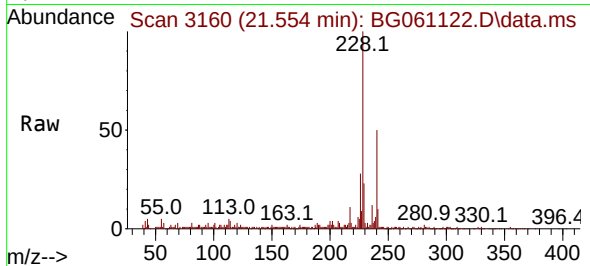
Tgt Ion:244 Resp: 461234
Ion Ratio Lower Upper
244 100
212 7.5 5.7 8.5
122 4.4 4.2 6.2





#81
Benzo(a)anthracene
Concen: 8.546 ng m
RT: 21.554 min Scan# 3160
Delta R.T. -0.021 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08

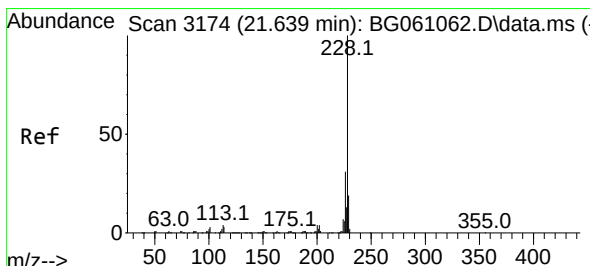
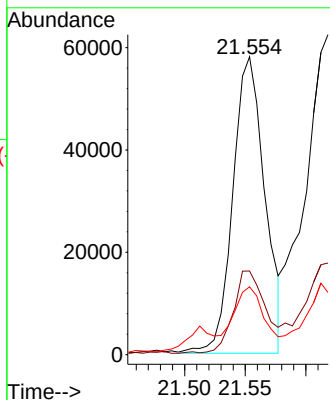
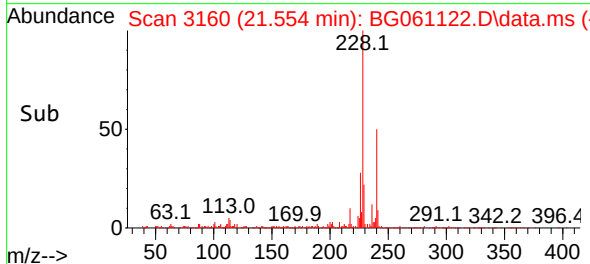
Instrument :
BNA_G
ClientSampleId :
BG-3



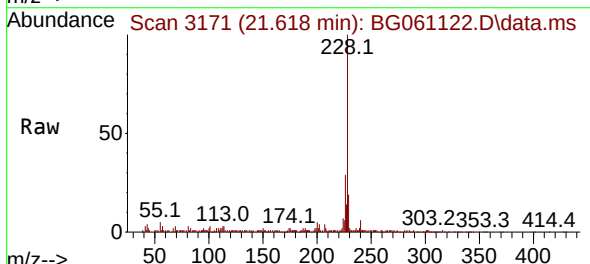
Tgt Ion:228 Resp: 10634
Ion Ratio Lower Upper
228 100
226 28.1 21.6 32.4
229 22.8 15.0 22.4

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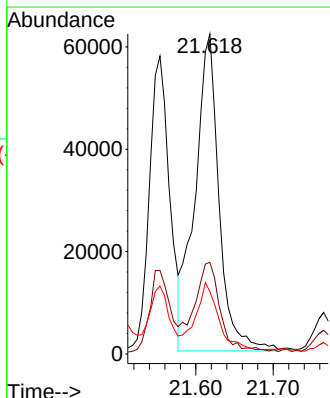
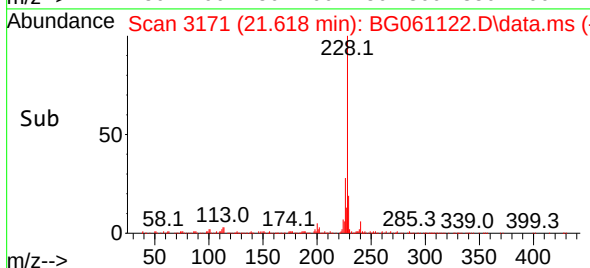
Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024

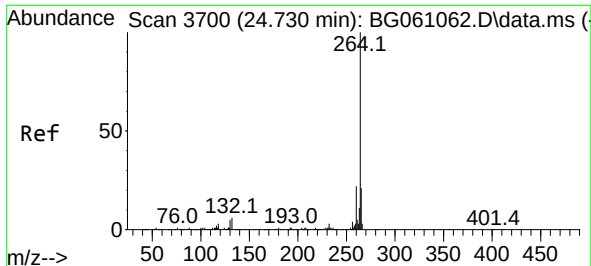


#83
Chrysene
Concen: 11.560 ng m
RT: 21.618 min Scan# 3171
Delta R.T. -0.021 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08



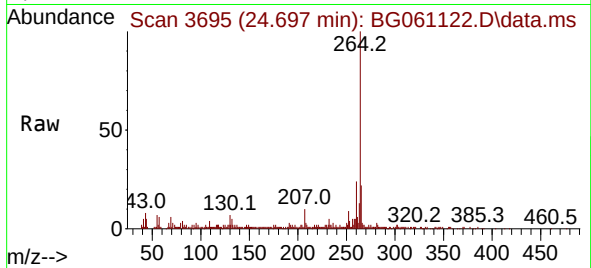
Tgt Ion:228 Resp: 134782
Ion Ratio Lower Upper
228 100
226 28.7 24.4 36.6
229 19.5 14.8 22.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.697 min Scan# 30
Delta R.T. -0.033 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08

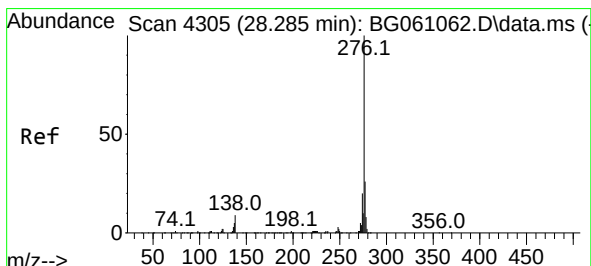
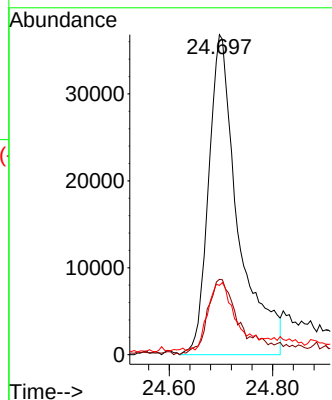
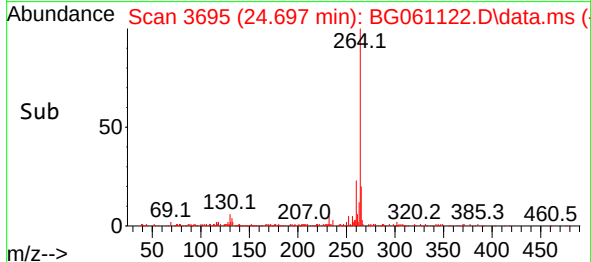
Instrument :
BNA_G
ClientSampleId :
BG-3



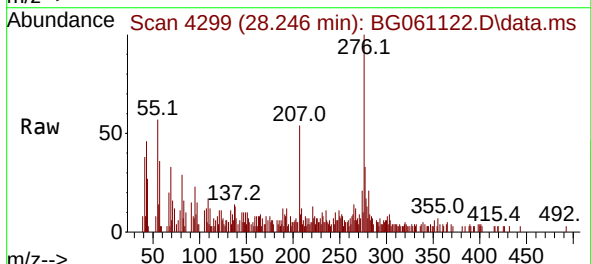
Tgt Ion:264 Resp: 14558
Ion Ratio Lower Upper
264 100
260 23.6 17.7 26.5
265 21.6 16.4 24.6

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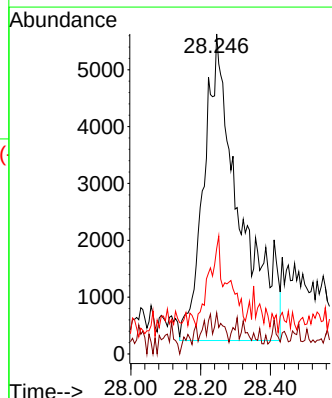
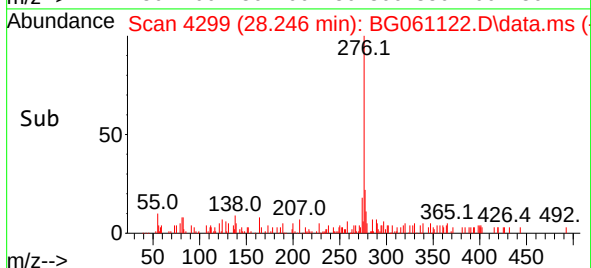
Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024

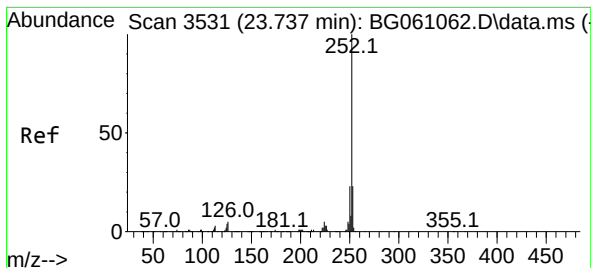


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.947 ng m
RT: 28.246 min Scan# 4299
Delta R.T. -0.039 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08



Tgt Ion:276 Resp: 38086
Ion Ratio Lower Upper
276 100
138 1.7 5.1 7.7#
277 9.7 20.6 30.8#





#88

Benzo(b)fluoranthene

Concen: 14.980 ng

RT: 23.716 min Scan# 3528

Delta R.T. -0.021 min

Lab File: BG061122.D

Acq: 6 May 2024 16:08

Instrument :

BNA_G

ClientSampleId :

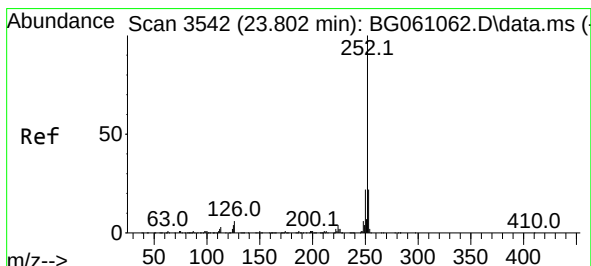
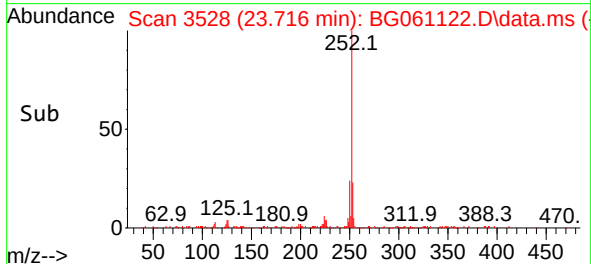
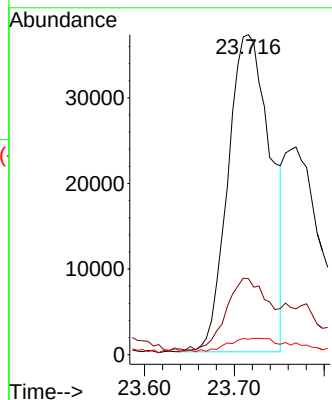
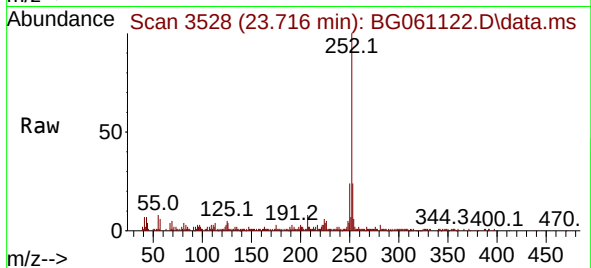
BG-3

Tgt Ion:	252	Resp:	12186
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.2	27.2
125	4.9	3.4	5.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/07/2024
Supervised By :mohammad ahmed 05/08/2024



#89

Benzo(k)fluoranthene

Concen: 7.799 ng m

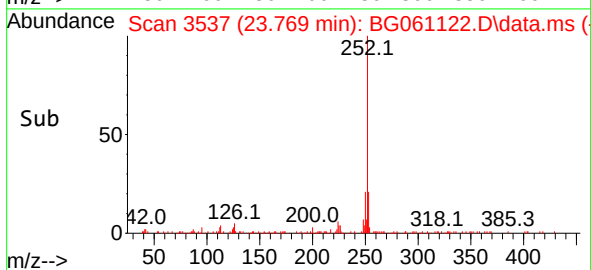
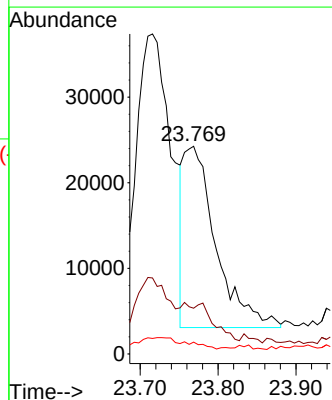
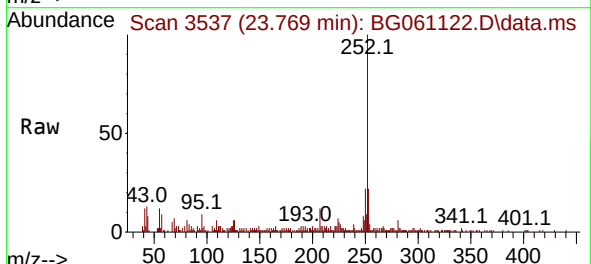
RT: 23.769 min Scan# 3537

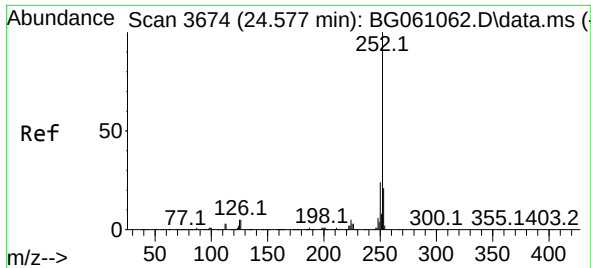
Delta R.T. -0.033 min

Lab File: BG061122.D

Acq: 6 May 2024 16:08

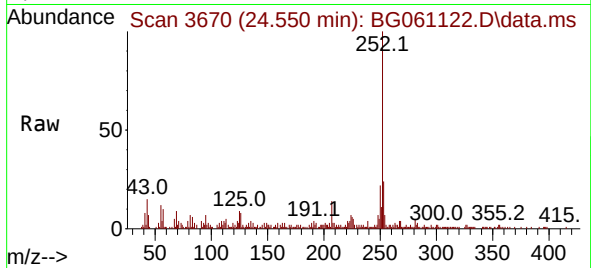
Tgt Ion:	252	Resp:	61035
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.3	25.9
125	5.7	3.2	4.8





#90
 Benzo(a)pyrene
 Concen: 8.711 ng
 RT: 24.550 min Scan# 30
 Delta R.T. -0.027 min
 Lab File: BG061122.D
 Acq: 6 May 2024 16:08

Instrument :
 BNA_G
 ClientSampleId :
 BG-3



Tgt Ion:252 Resp: 61739
 Ion Ratio Lower Upper
 252 100
 253 24.4 16.9 25.3
 125 8.7 3.8 5.8

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/07/2024
 Supervised By :mohammad ahmed 05/08/2024

