

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050324\  
 Data File : BM045690.D  
 Acq On : 03 May 2024 11:25  
 Operator : MA/JU  
 Sample : P2234-01  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0SA1

Manual Integrations  
 APPROVED

Reviewed By :Jagrut  
 Upadhyay

Quant Time: May 03 13:08:30 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM050324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 03 03:27:04 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.521  | 152  | 342      | 0.400  | ng/ul  | #-0.05   |
| 4) Naphthalene-d8           | 10.286 | 136  | 1068     | 0.400  | ng/ul  | #-0.06   |
| 9) Acenaphthene-d10         | 14.173 | 164  | 678      | 0.400  | ng/ul  | -0.02    |
| 13) Phenanthrene-d10        | 16.938 | 188  | 1682m    | 0.400  | ng/ul  | -0.04    |
| 17) Chrysene-d12            | 21.157 | 240  | 2092     | 0.400  | ng/ul  | -0.03    |
| 23) Perylene-d12            | 23.340 | 264  | 2622m    | 0.400  | ng/ul  | -0.03    |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.142  | 96   | 967      | 2.497  | ng/ul  | -0.01    |
| 6) 2-Methylnaphthalene-d10  | 11.903 | 152  | 324      | 0.192  | ng/ul  | -0.05    |
| 18) Fluoranthene-d10        | 18.979 | 212  | 1072     | 0.204  | ng/ul  | -0.03    |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        | Qvalue |          |
| 5) Naphthalene              | 10.336 | 128  | 386      | 0.142  | ng/ul  | 91       |
| 7) 2-Methylnaphthalene      | 11.980 | 142  | 180      | 0.109  | ng/ul  | 85       |
| 8) 1-Methylnaphthalene      | 12.200 | 142  | 107      | 0.059  | ng/ul  | 96       |
| 10) Acenaphthylene          | 13.900 | 152  | 381      | 0.134  | ng/ul# | 86       |
| 11) Acenaphthene            | 14.238 | 153  | 520      | 0.246  | ng/ul  | 98       |
| 12) Fluorene                | 15.242 | 166  | 519      | 0.212  | ng/ul  | 98       |
| 15) Phenanthrene            | 16.976 | 178  | 29394m   | 7.036  | ng/ul  |          |
| 16) Anthracene              | 17.073 | 178  | 2506m    | 0.618  | ng/ul  |          |
| 19) Fluoranthene            | 19.011 | 202  | 107727   | 16.204 | ng/ul# | 83       |
| 20) Pyrene                  | 19.378 | 202  | 96480    | 13.645 | ng/ul# | 84       |
| 21) Benzo(a)anthracene      | 21.142 | 228  | 39214    | 6.422  | ng/ul# | 91       |
| 22) Chrysene                | 21.195 | 228  | 57682    | 6.674  | ng/ul  | 93       |
| 24) Benzo(b)fluoranthene    | 22.688 | 252  | 96078m   | 13.156 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.729 | 252  | 31075m   | 3.437  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.241 | 252  | 56175    | 6.940  | ng/ul# | 73       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.497 | 276  | 55591    | 4.986  | ng/ul# | 96       |
| 28) Dibenzo(a,h)anthracene  | 25.510 | 278  | 11828m   | 1.327  | ng/ul  |          |
| 29) Benzo(g,h,i)perylene    | 26.161 | 276  | 54976    | 5.562  | ng/ul# | 84       |
| -----                       |        |      |          |        |        |          |

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

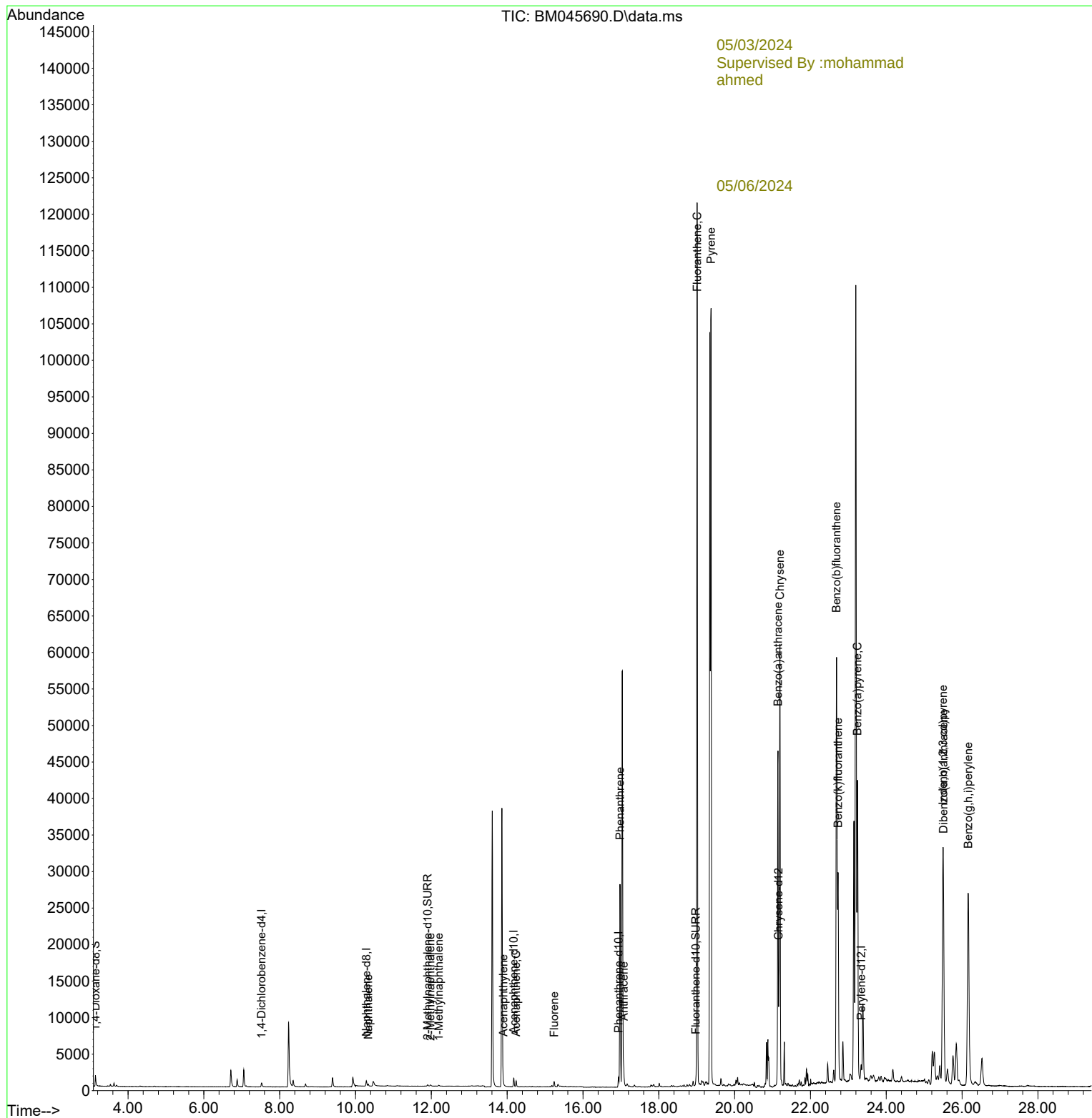
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050324\  
Data File : BM045690.D  
Acq On : 03 May 2024 11:25  
Operator : MA/JU  
Sample : P2234-01  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

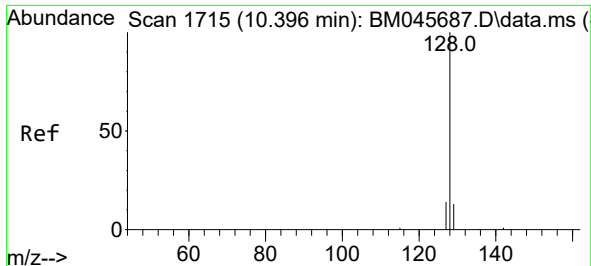
Instrument :  
BNA\_M  
ClientSampleId :  
C0SA1

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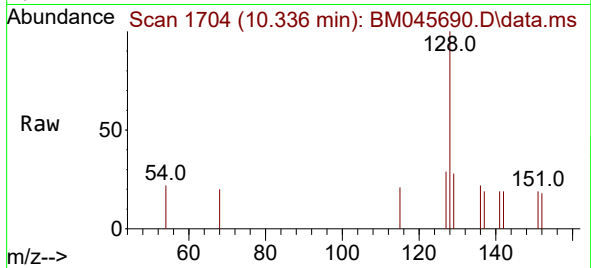
Quant Time: May 03 13:08:30 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM050324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri May 03 03:27:04 2024  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.142 ng/ul  
RT: 10.336 min Scan# 11  
Delta R.T. -0.055 min  
Lab File: BM045690.D  
Acq: 03 May 2024 11:25

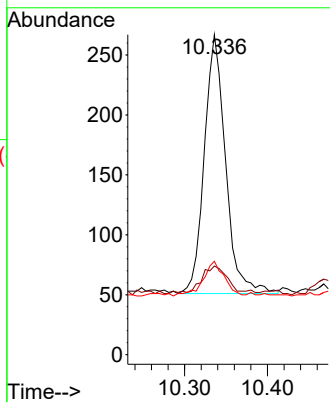
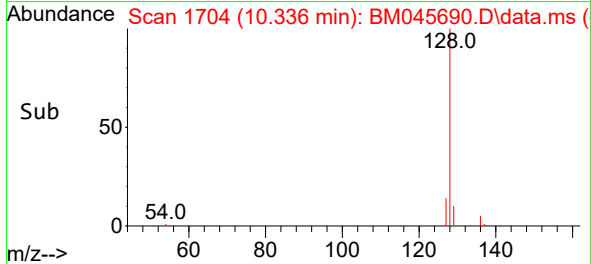
Instrument :  
BNA\_M  
ClientSampleId :  
C0SA1



Tgt Ion:128 Resp: 380  
Ion Ratio Lower Upper  
128 100  
129 27.7 26.2 39.4  
127 29.2 27.4 41.2

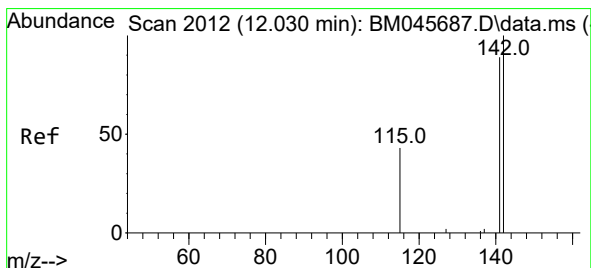
Manual Integrations  
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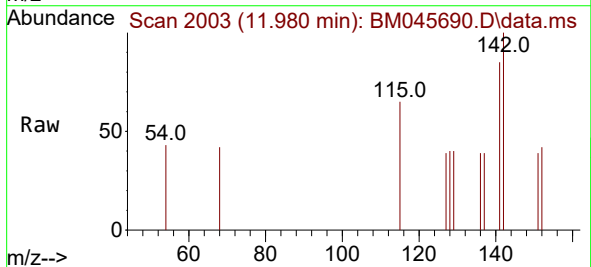


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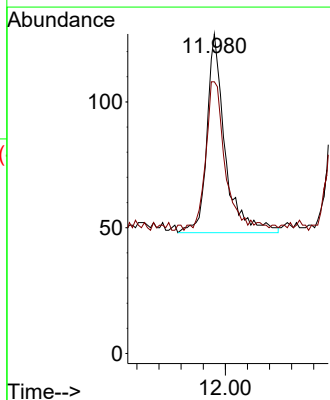
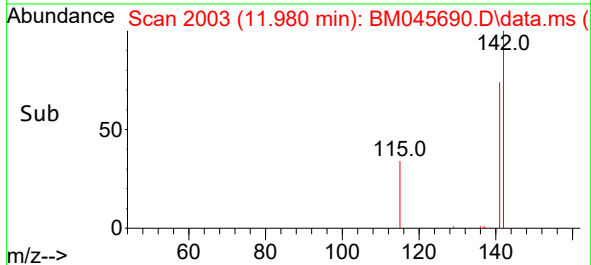
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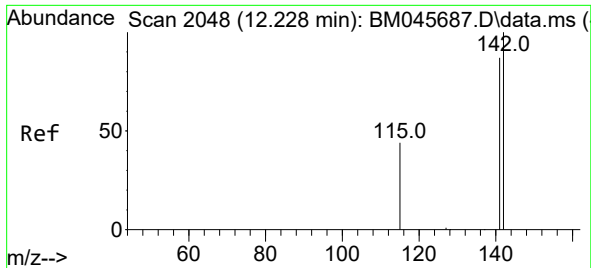


#7  
2-Methylnaphthalene  
Concen: 0.109 ng/ul  
RT: 11.980 min Scan# 2003  
Delta R.T. -0.050 min  
Lab File: BM045690.D  
Acq: 03 May 2024 11:25



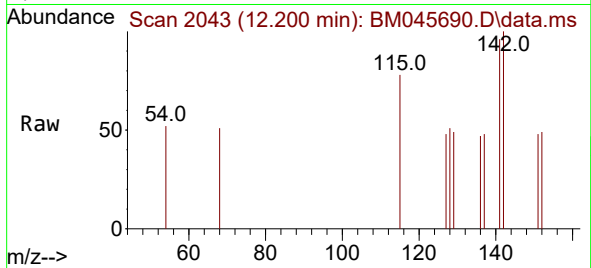
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Ion Ratio Lower Upper  
142 100  
141 81.1 76.9 115.3





#8  
1-Methylnaphthalene  
Concen: 0.059 ng/ul  
RT: 12.200 min Scan# 2048  
Delta R.T. -0.027 min  
Lab File: BM045690.D  
Acq: 03 May 2024 11:25

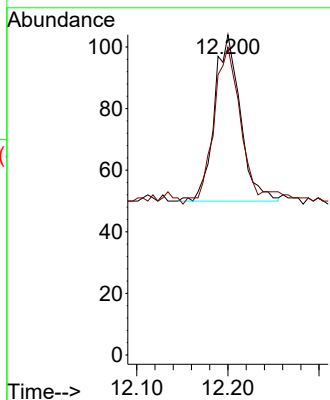
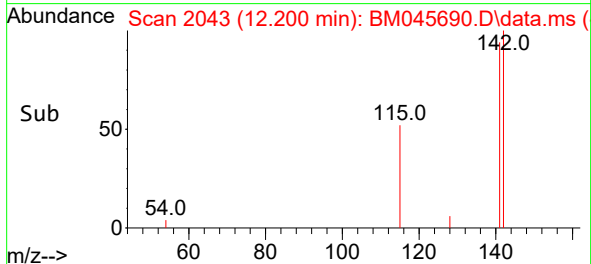
Instrument :  
BNA\_M  
ClientSampleId :  
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Tgt Ion:142 Resp: 107  
Ion Ratio Lower Upper  
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141 103.7 79.4 119.2

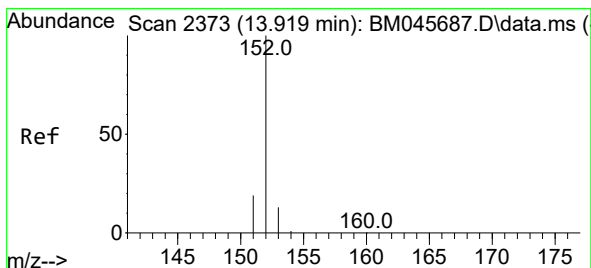
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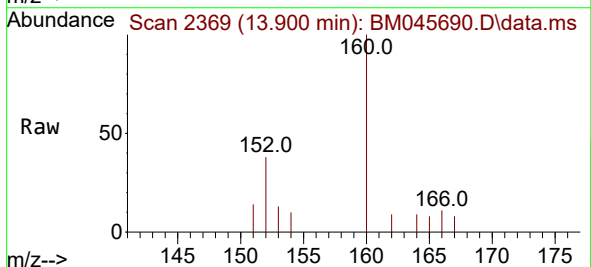


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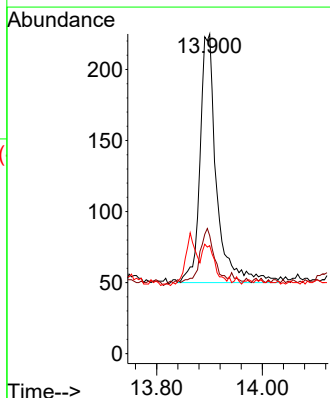
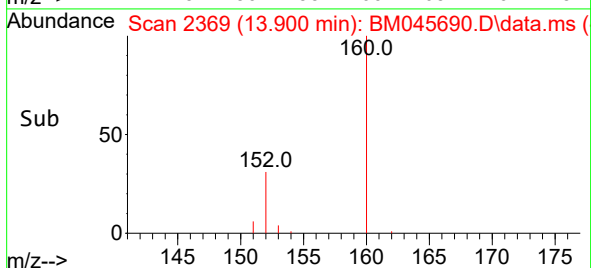
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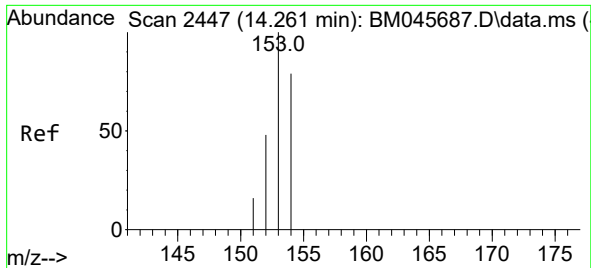


#10  
Acenaphthylene  
Concen: 0.134 ng/ul  
RT: 13.900 min Scan# 2369  
Delta R.T. -0.028 min  
Lab File: BM045690.D  
Acq: 03 May 2024 11:25



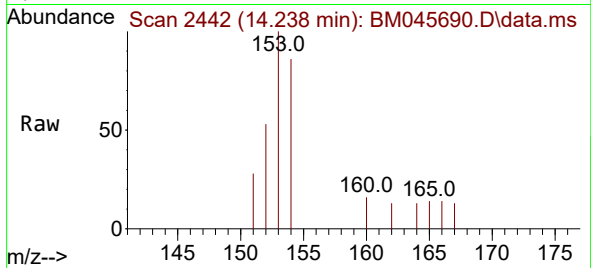
Tgt Ion:152 Resp: 381  
Ion Ratio Lower Upper  
152 100  
151 36.9 25.0 37.4  
153 33.8 19.6 29.4#





#11  
Acenaphthene  
Concen: 0.246 ng/ul  
RT: 14.238 min Scan# 2442  
Delta R.T. -0.023 min  
Lab File: BM045690.D  
Acq: 03 May 2024 11:25

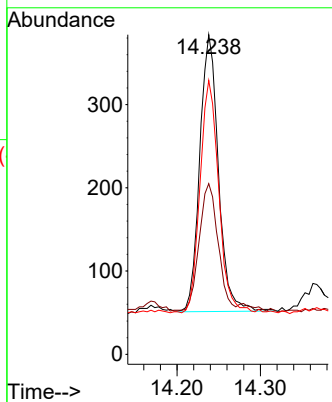
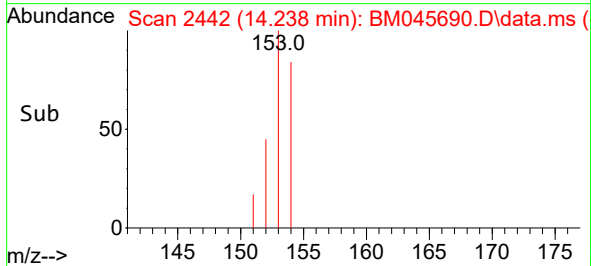
Instrument :  
BNA\_M  
ClientSampleId :  
C0SA1



Tgt Ion:153 Resp: 520  
Ion Ratio Lower Upper  
153 100  
152 53.4 45.1 67.7  
154 85.7 67.6 101.4

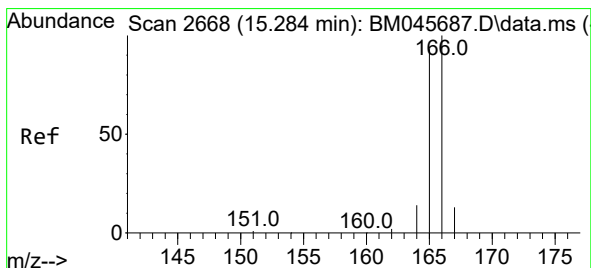
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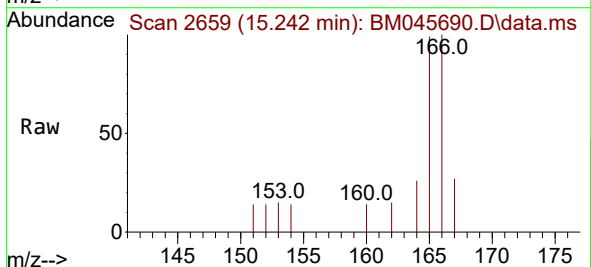


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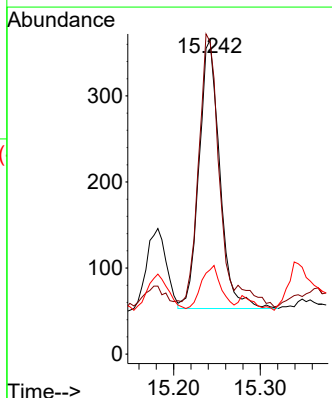
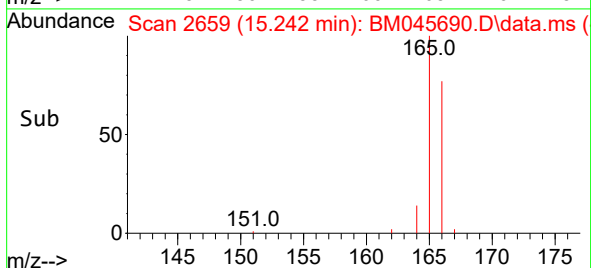
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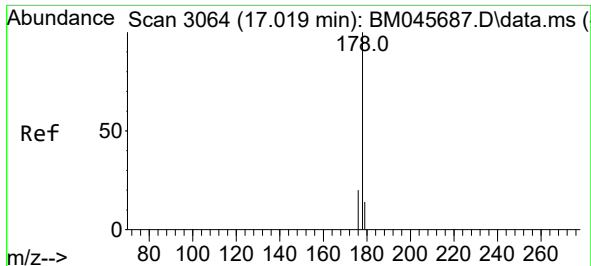


#12  
Fluorene  
Concen: 0.212 ng/ul  
RT: 15.242 min Scan# 2659  
Delta R.T. -0.042 min  
Lab File: BM045690.D  
Acq: 03 May 2024 11:25



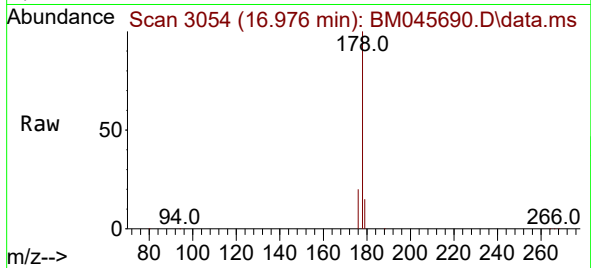
Tgt Ion:166 Resp: 519  
Ion Ratio Lower Upper  
166 100  
165 99.5 77.5 116.3  
167 26.8 21.8 32.6





#15  
Phenanthrene  
Concen: 7.036 ng/ul m  
RT: 16.976 min Scan# 3064  
Delta R.T. -0.046 min  
Lab File: BM045690.D  
Acq: 03 May 2024 11:25

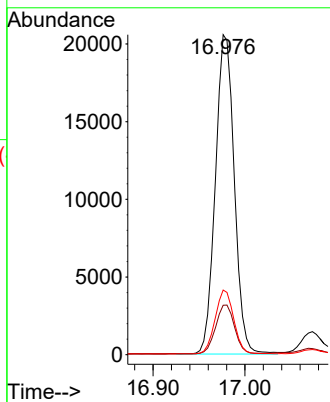
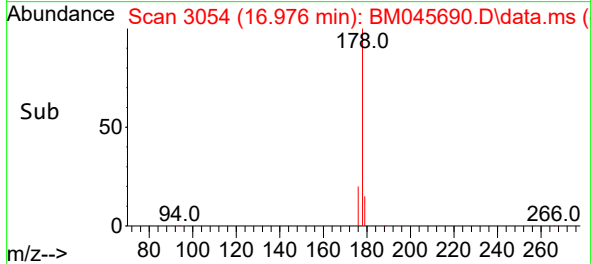
Instrument :  
BNA\_M  
ClientSampleId :  
C0SA1



Tgt Ion:178 Resp: 29394  
Ion Ratio Lower Upper  
178 100  
179 15.4 18.3 27.5  
176 20.2 21.8 32.6

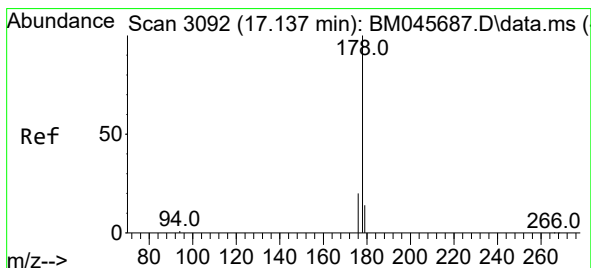
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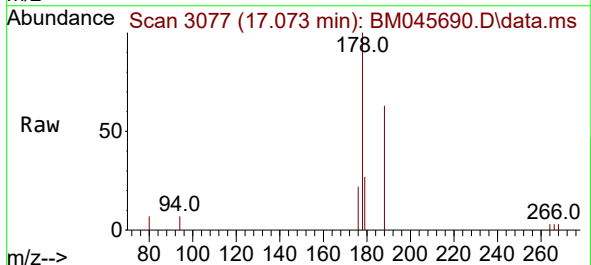


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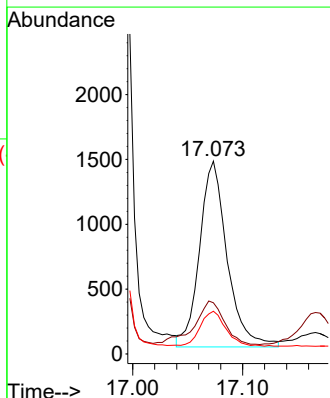
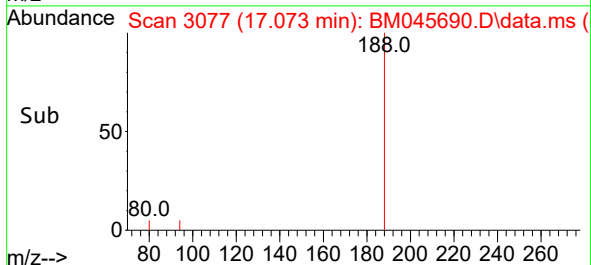
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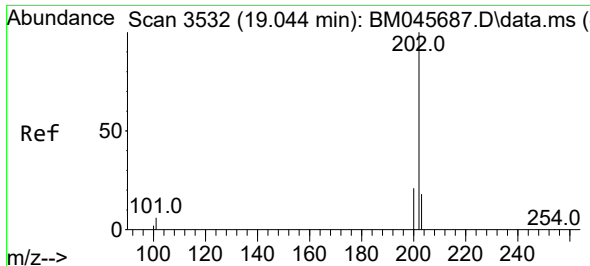


#16  
Anthracene  
Concen: 0.618 ng/ul m  
RT: 17.073 min Scan# 3077  
Delta R.T. -0.055 min  
Lab File: BM045690.D  
Acq: 03 May 2024 11:25



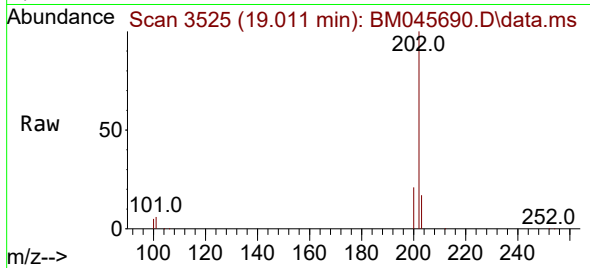
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Ion Ratio Lower Upper  
178 100  
179 26.6 20.9 31.3  
176 22.2 22.9 34.3





#19  
Fluoranthene  
Concen: 16.204 ng/ul  
RT: 19.011 min Scan# 3525  
Delta R.T. -0.033 min  
Lab File: BM045690.D  
Acq: 03 May 2024 11:25

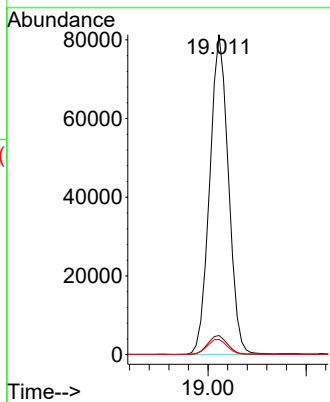
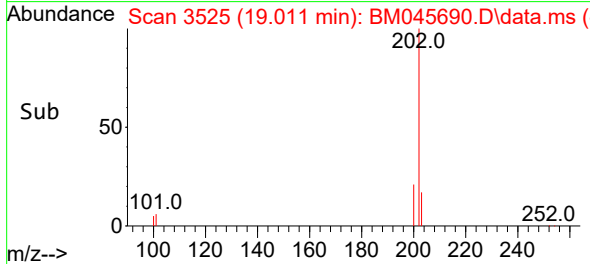
Instrument :  
BNA\_M  
ClientSampleId :  
C0SA1



Tgt Ion:202 Resp: 10772  
Ion Ratio Lower Upper  
202 100  
101 6.0 10.1 15.1#  
100 4.8 9.4 14.0#

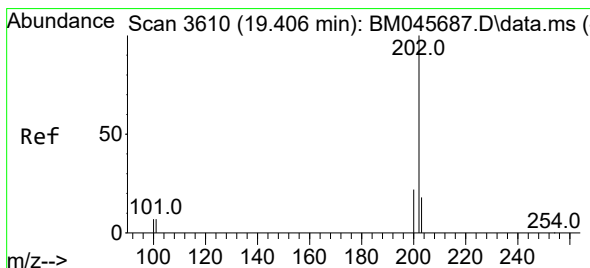
Manual Integrations  
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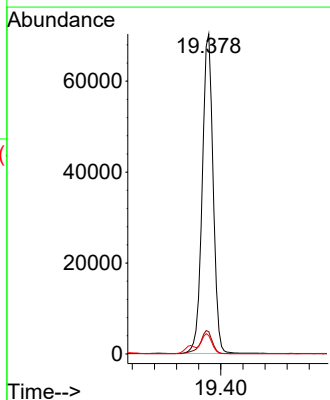
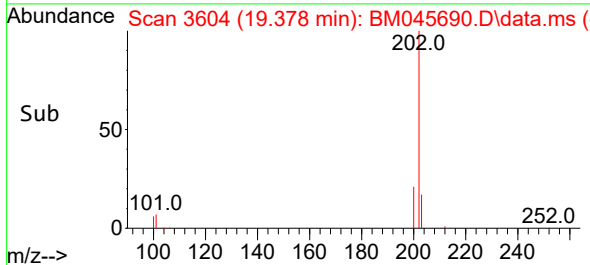
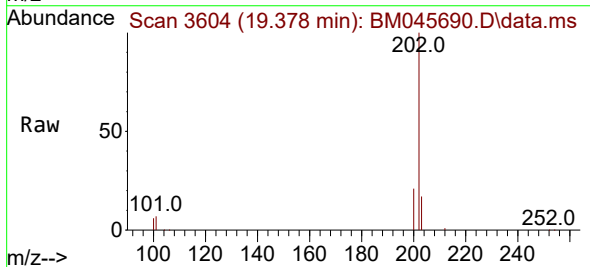
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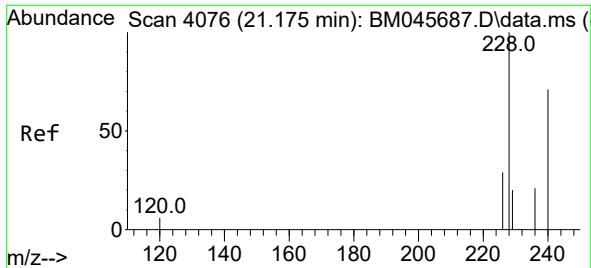
05/06/2024



#20  
Pyrene  
Concen: 13.645 ng/ul  
RT: 19.378 min Scan# 3604  
Delta R.T. -0.033 min  
Lab File: BM045690.D  
Acq: 03 May 2024 11:25

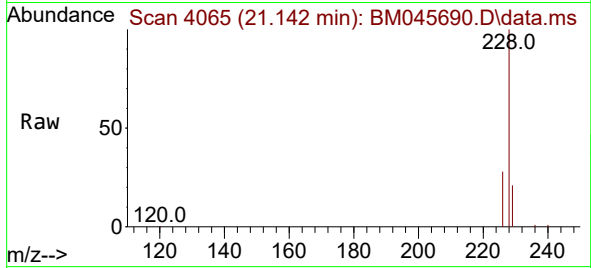
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Ion Ratio Lower Upper  
202 100  
101 6.9 10.7 16.1#  
100 5.8 9.8 14.8#





#21  
Benzo(a)anthracene  
Concen: 6.422 ng/ul  
RT: 21.142 min Scan# 4076  
Delta R.T. -0.035 min  
Lab File: BM045690.D  
Acq: 03 May 2024 11:25

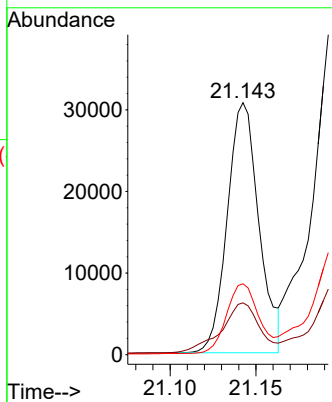
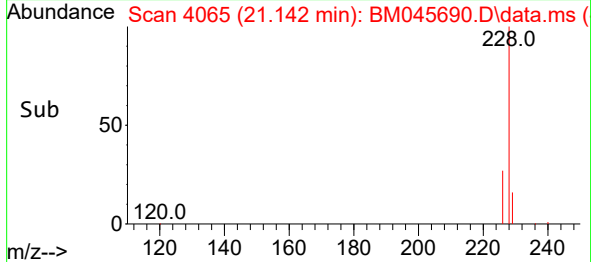
Instrument :  
BNA\_M  
ClientSampleId :  
C0SA1



Tgt Ion:228 Resp: 39214  
Ion Ratio Lower Upper  
228 100  
229 20.5 21.3 31.9  
226 28.1 25.5 38.3

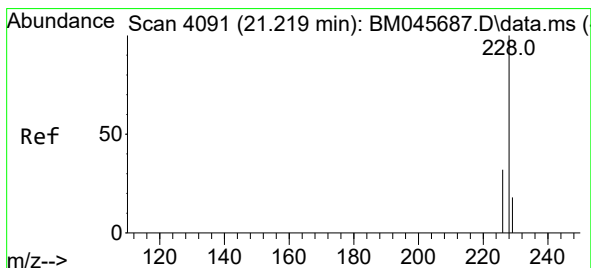
Manual Integrations  
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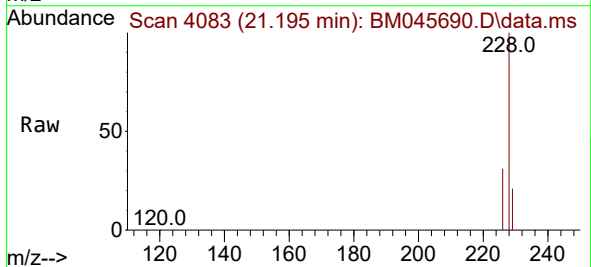


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Supervised By :mohammad  
ahmed

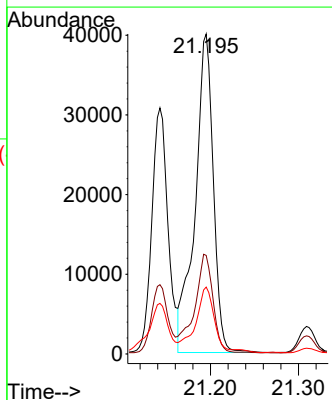
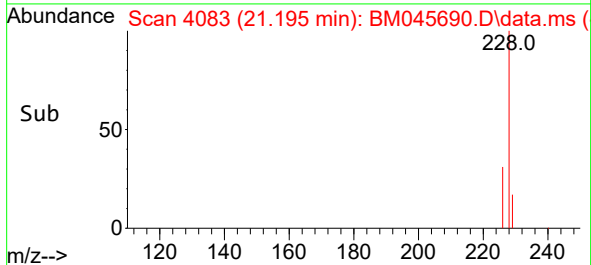
05/06/2024



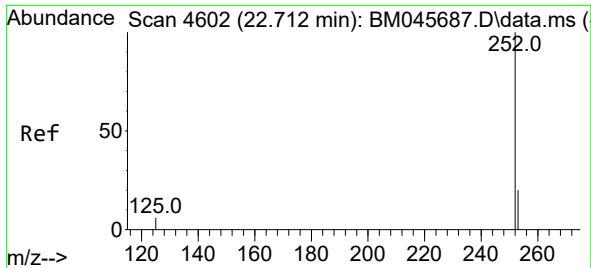
#22  
Chrysene  
Concen: 6.674 ng/ul  
RT: 21.195 min Scan# 4083  
Delta R.T. -0.029 min  
Lab File: BM045690.D  
Acq: 03 May 2024 11:25



Tgt Ion:228 Resp: 57682  
Ion Ratio Lower Upper  
228 100  
226 30.8 27.7 41.5  
229 20.9 19.7 29.5

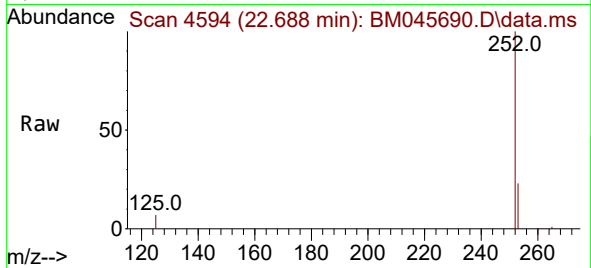






#24  
Benzo(b)fluoranthene  
Concen: 13.156 ng/ul m  
RT: 22.688 min Scan# 4  
Delta R.T. -0.032 min  
Lab File: BM045690.D  
Acq: 03 May 2024 11:25

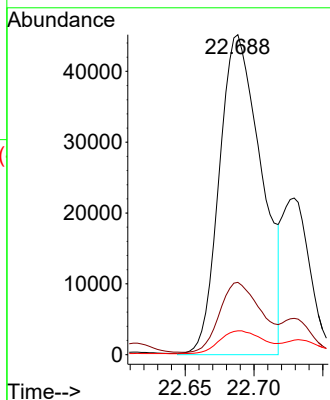
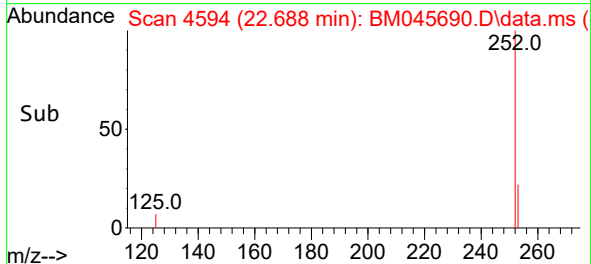
Instrument :  
BNA\_M  
ClientSampleId :  
C0SA1



Tgt Ion:252 Resp: 96078  
Ion Ratio Lower Upper  
252 100  
253 22.6 0.0 67.2  
125 7.4 0.0 28.0

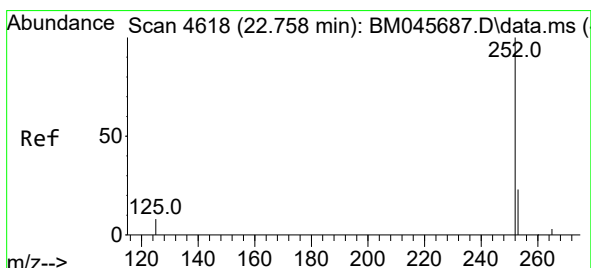
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Upadhyay

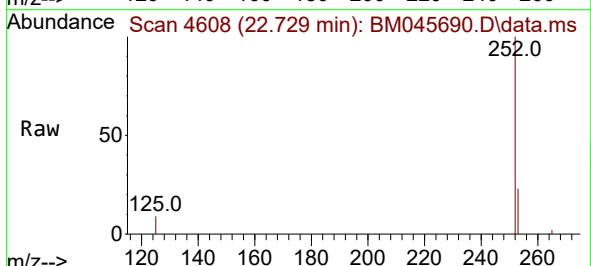


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Supervised By :mohammad  
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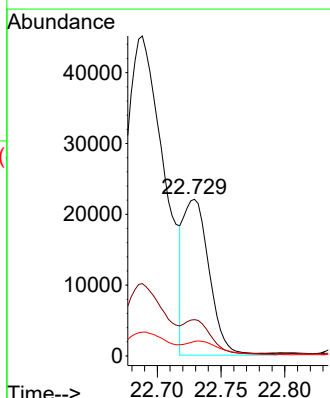
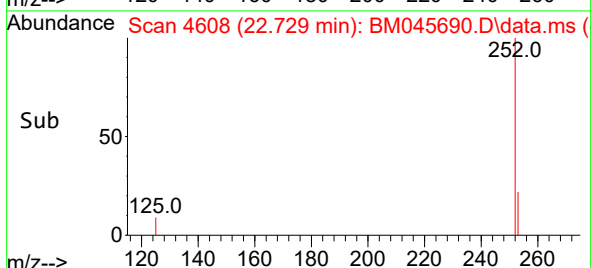
05/06/2024

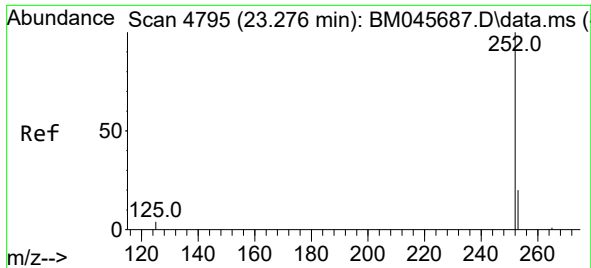


#25  
Benzo(k)fluoranthene  
Concen: 3.437 ng/ul m  
RT: 22.729 min Scan# 4608  
Delta R.T. -0.035 min  
Lab File: BM045690.D  
Acq: 03 May 2024 11:25



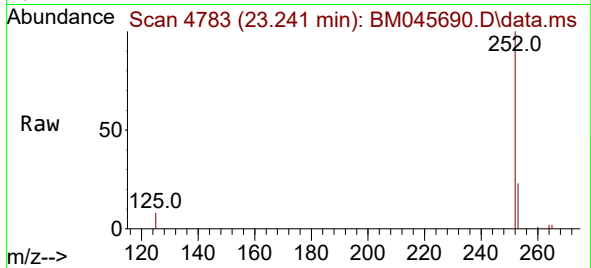
Tgt Ion:252 Resp: 31075  
Ion Ratio Lower Upper  
252 100  
253 23.2 27.8 41.6#  
125 9.3 11.9 17.9#





#26  
Benzo(a)pyrene  
Concen: 6.940 ng/ul  
RT: 23.241 min Scan# 41  
Delta R.T. -0.047 min  
Lab File: BM045690.D  
Acq: 03 May 2024 11:25

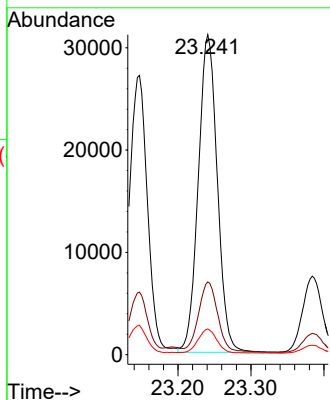
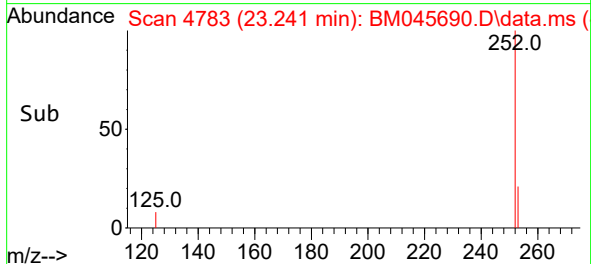
Instrument :  
BNA\_M  
ClientSampleId :  
C0SA1



Tgt Ion:252 Resp: 5617  
Ion Ratio Lower Upper  
252 100  
253 22.8 31.7 47.5  
125 8.1 15.8 23.6

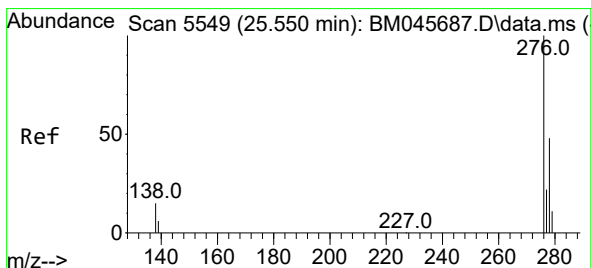
Manual Integrations  
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Upadhyay



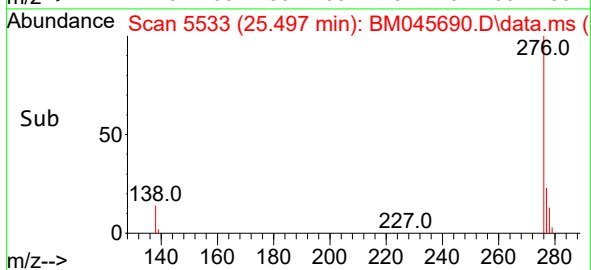
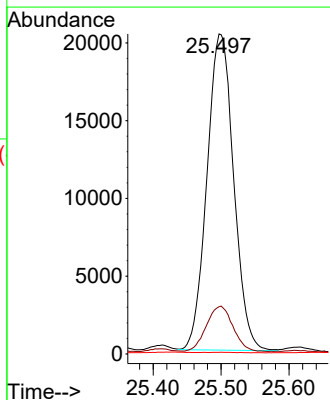
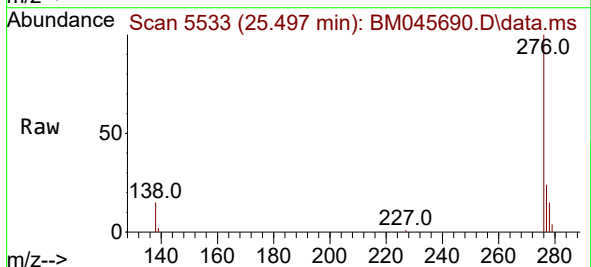
05/03/2024  
Supervised By :mohammad  
ahmed

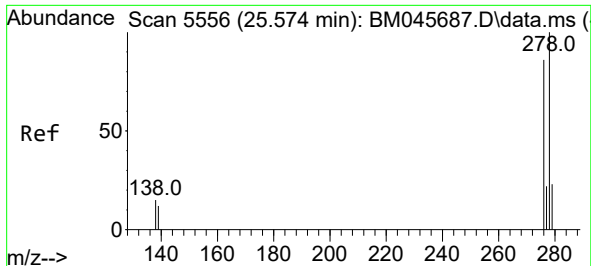
05/06/2024



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 4.986 ng/ul  
RT: 25.497 min Scan# 5533  
Delta R.T. -0.070 min  
Lab File: BM045690.D  
Acq: 03 May 2024 11:25

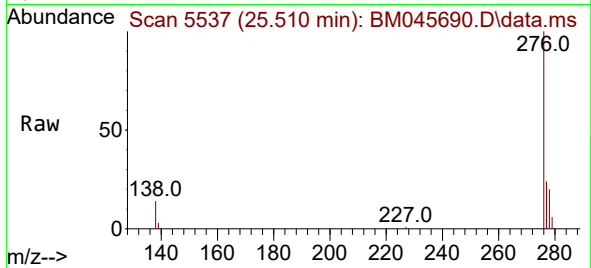
Tgt Ion:276 Resp: 55591  
Ion Ratio Lower Upper  
276 100  
138 14.7 13.1 19.7  
227 0.1 0.2 0.2





#28  
Dibenzo(a,h)anthracene  
Concen: 1.327 ng/ul m  
RT: 25.510 min Scan# 510  
Delta R.T. -0.077 min  
Lab File: BM045690.D  
Acq: 03 May 2024 11:25

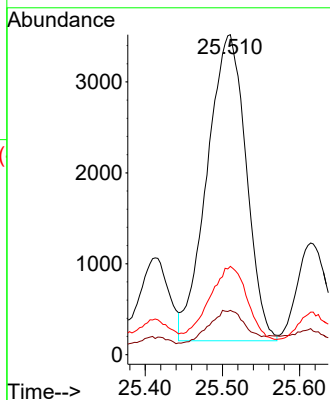
Instrument :  
BNA\_M  
ClientSampleId :  
C0SA1



Tgt Ion:278 Resp: 11828  
Ion Ratio Lower Upper  
278 100  
139 13.9 16.9 25.3#  
279 27.6 31.8 47.8#

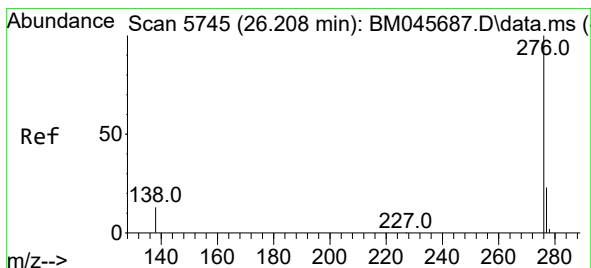
Manual Integrations  
APPROVED

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Upadhyay



05/03/2024  
Supervised By :mohammad  
ahmed

05/06/2024



#29  
Benzo(g,h,i)perylene  
Concen: 5.562 ng/ul  
RT: 26.161 min Scan# 5731  
Delta R.T. -0.064 min  
Lab File: BM045690.D  
Acq: 03 May 2024 11:25

Tgt Ion:276 Resp: 54976  
Ion Ratio Lower Upper  
276 100  
138 15.8 18.8 28.2#  
277 24.3 27.1 40.7#

