

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062024\  
 Data File : BM046154.D  
 Acq On : 21 Jun 2024 11:28  
 Operator : MA/JU  
 Sample : P2754-04  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4BP5

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/24/2024  
 Supervised By :mohammad ahmed 06/24/2024

Quant Time: Jun 21 12:54:31 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 18 13:58:29 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.417  | 152  | 2662     | 0.400 | ng/ul  | -0.05    |
| 4) Naphthalene-d8           | 10.193 | 136  | 7660     | 0.400 | ng/ul  | -0.06    |
| 9) Acenaphthene-d10         | 14.071 | 164  | 4152     | 0.400 | ng/ul  | -0.04    |
| 13) Phenanthrene-d10        | 16.811 | 188  | 8919m    | 0.400 | ng/ul  | -0.05    |
| 17) Chrysene-d12            | 21.015 | 240  | 7242m    | 0.400 | ng/ul  | -0.03    |
| 23) Perylene-d12            | 23.104 | 264  | 7998m    | 0.400 | ng/ul  | -0.04    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.029  | 96   | 11988    | 3.282 | ng/ul  | -0.02    |
| 6) 2-Methylnaphthalene-d10  | 11.821 | 152  | 2570     | 0.250 | ng/ul  | -0.04    |
| 18) Fluoranthene-d10        | 18.847 | 212  | 5600     | 0.258 | ng/ul  | -0.04    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.237 | 128  | 2165     | 0.101 | ng/ul# | 93       |
| 7) 2-Methylnaphthalene      | 11.892 | 142  | 817      | 0.068 | ng/ul  | 97       |
| 8) 1-Methylnaphthalene      | 12.107 | 142  | 620      | 0.047 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.788 | 152  | 2638     | 0.134 | ng/ul# | 92       |
| 11) Acenaphthene            | 14.131 | 153  | 3906     | 0.275 | ng/ul  | 99       |
| 12) Fluorene                | 15.125 | 166  | 4144     | 0.272 | ng/ul  | 98       |
| 15) Phenanthrene            | 16.853 | 178  | 65695m   | 2.622 | ng/ul  |          |
| 16) Anthracene              | 16.946 | 178  | 12216m   | 0.655 | ng/ul  |          |
| 19) Fluoranthene            | 18.875 | 202  | 89205    | 2.845 | ng/ul  | 97       |
| 20) Pyrene                  | 19.238 | 202  | 86132    | 2.540 | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 20.997 | 228  | 41221    | 1.474 | ng/ul  | 99       |
| 22) Chrysene                | 21.050 | 228  | 36114    | 1.012 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.490 | 252  | 52167m   | 1.810 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.522 | 252  | 19097m   | 0.557 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.014 | 252  | 36448    | 1.365 | ng/ul# | 78       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.155 | 276  | 26962    | 0.617 | ng/ul# | 89       |
| 28) Dibenzo(a,h)anthracene  | 25.162 | 278  | 5909     | 0.182 | ng/ul# | 87       |
| 29) Benzo(g,h,i)perylene    | 25.773 | 276  | 27774    | 0.741 | ng/ul  | 97       |
| -----                       |        |      |          |       |        |          |

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

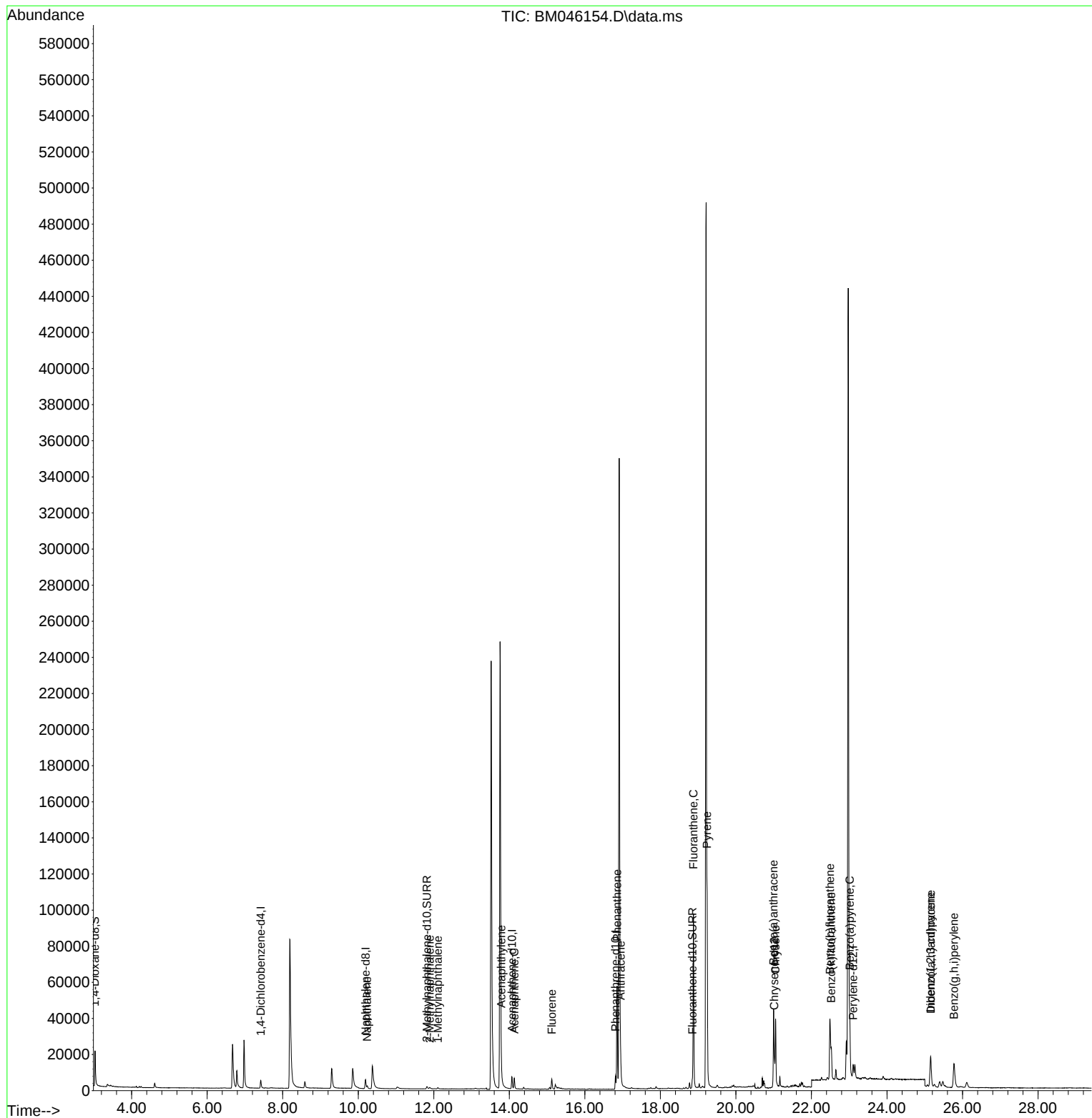
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062024\  
Data File : BM046154.D  
Acq On : 21 Jun 2024 11:28  
Operator : MA/JU  
Sample : P2754-04  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

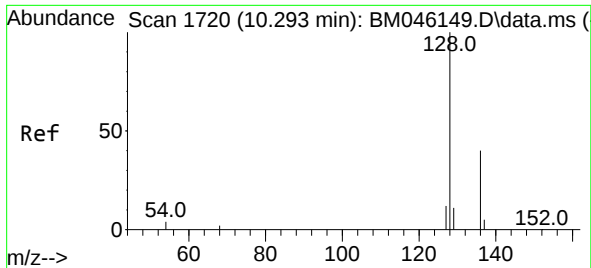
Instrument :  
BNA\_M  
ClientSampleId :  
A4BP5

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :mohammad ahmed 06/24/2024

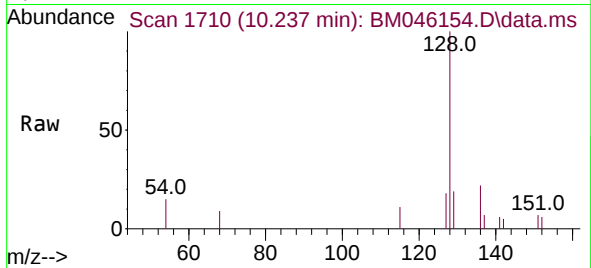
Quant Time: Jun 21 12:54:31 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 18 13:58:29 2024  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.101 ng/ul  
RT: 10.237 min Scan# 1710  
Delta R.T. -0.066 min  
Lab File: BM046154.D  
Acq: 21 Jun 2024 11:28

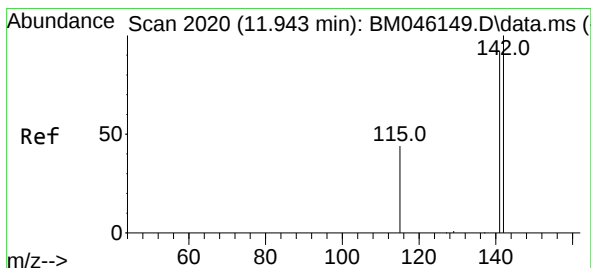
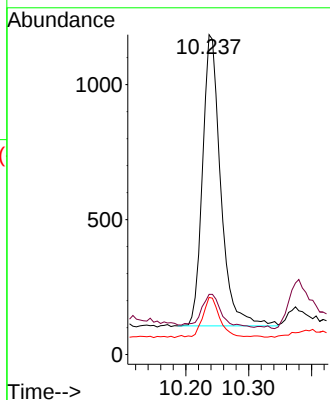
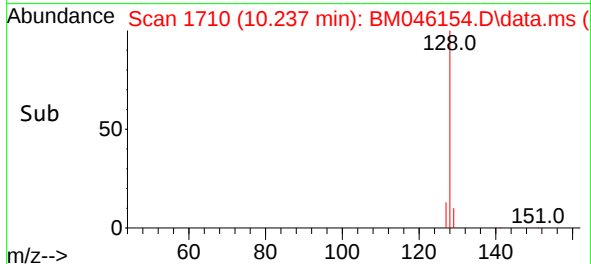
Instrument :  
BNA\_M  
ClientSampleId :  
A4BP5



Tgt Ion:128 Resp: 216  
Ion Ratio Lower Upper  
128 100  
129 18.8 11.8 17.6  
127 17.9 12.8 19.2

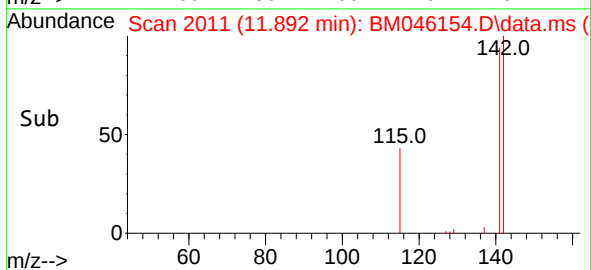
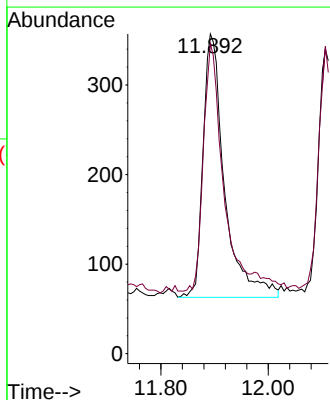
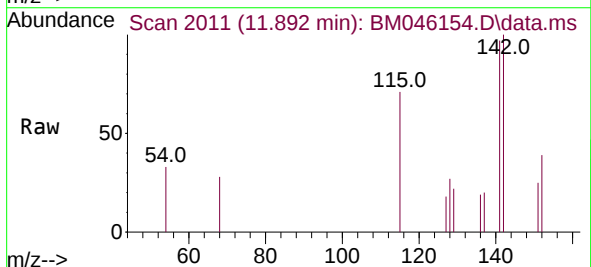
Manual Integrations  
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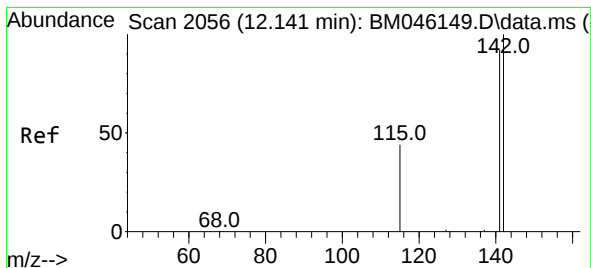
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :mohammad ahmed 06/24/2024



#7  
2-Methylnaphthalene  
Concen: 0.068 ng/ul  
RT: 11.892 min Scan# 2011  
Delta R.T. -0.055 min  
Lab File: BM046154.D  
Acq: 21 Jun 2024 11:28

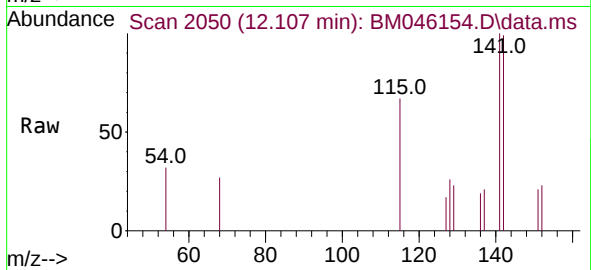
Tgt Ion:142 Resp: 817  
Ion Ratio Lower Upper  
142 100  
141 90.6 74.6 111.8





#8  
1-Methylnaphthalene  
Concen: 0.047 ng/ul  
RT: 12.107 min Scan# 2050  
Delta R.T. -0.044 min  
Lab File: BM046154.D  
Acq: 21 Jun 2024 11:28

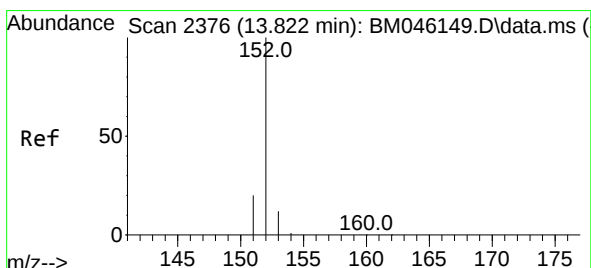
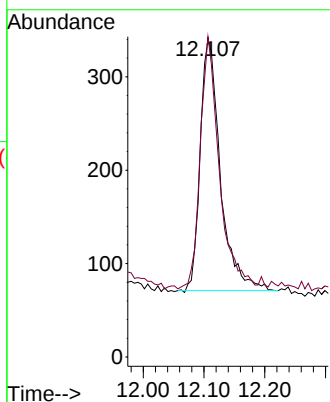
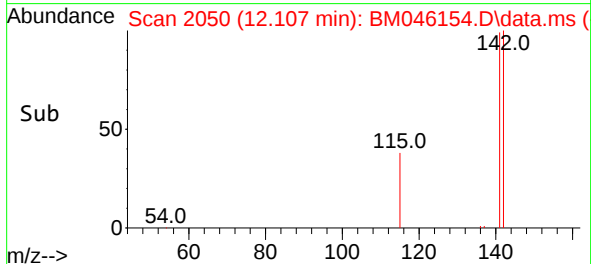
Instrument :  
BNA\_M  
ClientSampleId :  
A4BP5



Tgt Ion:142 Resp: 620  
Ion Ratio Lower Upper  
142 100  
141 94.8 75.2 112.8

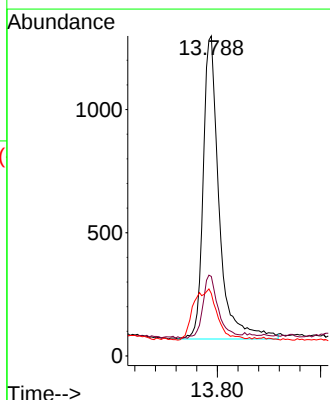
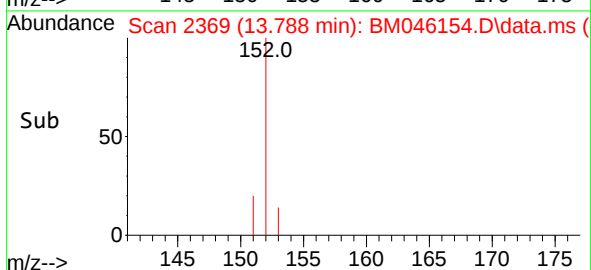
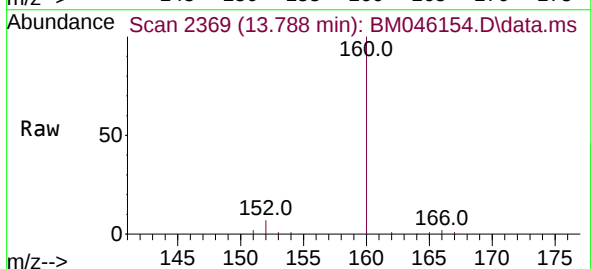
Manual Integrations  
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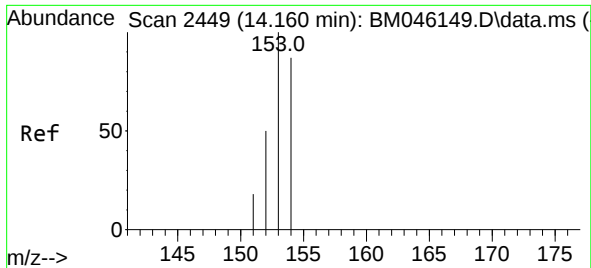
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :mohammad ahmed 06/24/2024



#10  
Acenaphthylene  
Concen: 0.134 ng/ul  
RT: 13.788 min Scan# 2369  
Delta R.T. -0.046 min  
Lab File: BM046154.D  
Acq: 21 Jun 2024 11:28

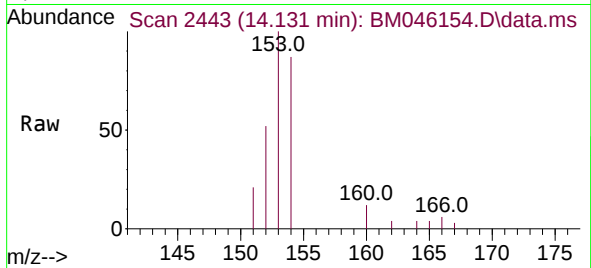
Tgt Ion:152 Resp: 2638  
Ion Ratio Lower Upper  
152 100  
151 24.9 17.4 26.2  
153 19.5 11.8 17.8#





#11  
Acenaphthene  
Concen: 0.275 ng/ul  
RT: 14.131 min Scan# 2449  
Delta R.T. -0.042 min  
Lab File: BM046154.D  
Acq: 21 Jun 2024 11:28

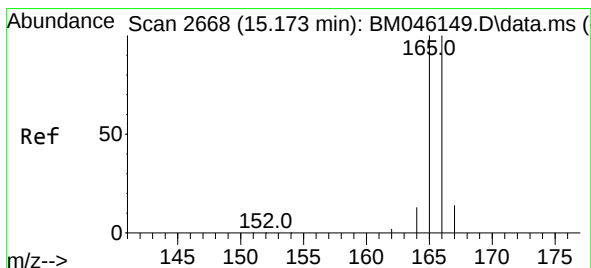
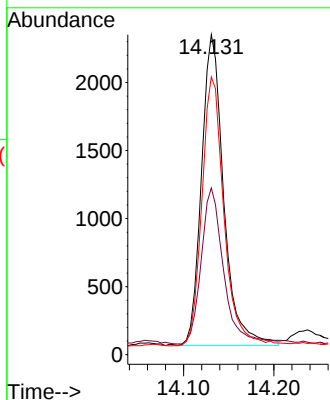
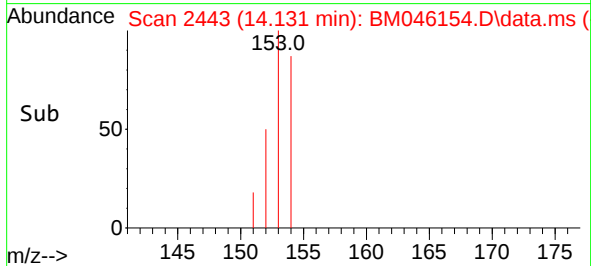
Instrument :  
BNA\_M  
ClientSampleId :  
A4BP5



Tgt Ion:153 Resp: 3900  
Ion Ratio Lower Upper  
153 100  
152 52.1 41.3 61.9  
154 86.8 68.2 102.4

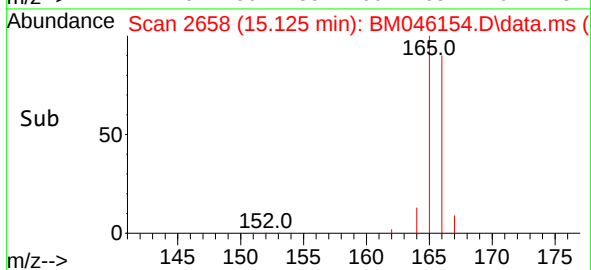
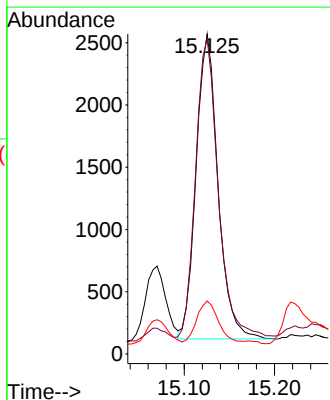
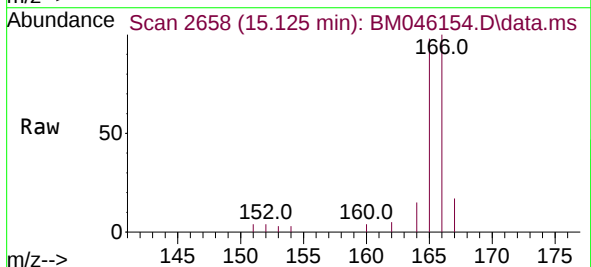
Manual Integrations  
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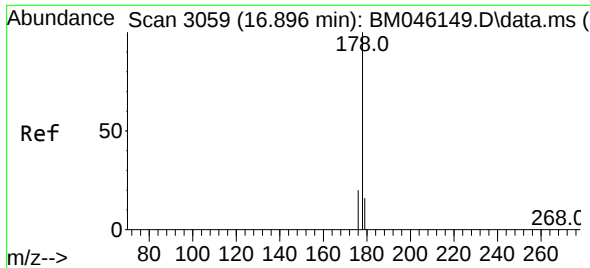
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :mohammad ahmed 06/24/2024



#12  
Fluorene  
Concen: 0.272 ng/ul  
RT: 15.125 min Scan# 2658  
Delta R.T. -0.056 min  
Lab File: BM046154.D  
Acq: 21 Jun 2024 11:28

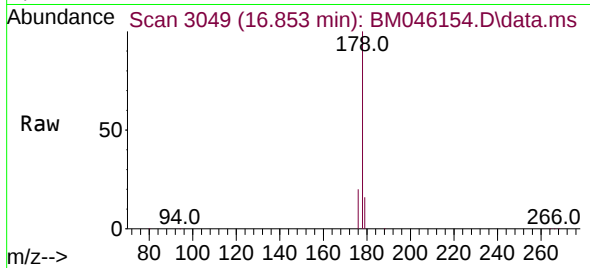
Tgt Ion:166 Resp: 4144  
Ion Ratio Lower Upper  
166 100  
165 98.4 80.4 120.6  
167 16.5 12.4 18.6





#15  
Phenanthrene  
Concen: 2.622 ng/ul m  
RT: 16.853 min Scan# 3071  
Delta R.T. -0.051 min  
Lab File: BM046154.D  
Acq: 21 Jun 2024 11:28

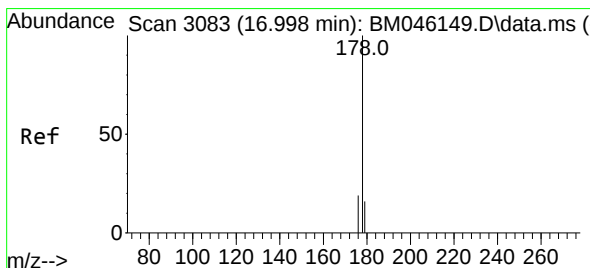
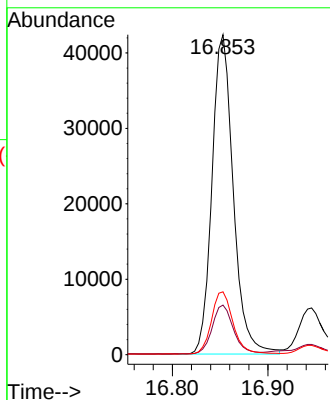
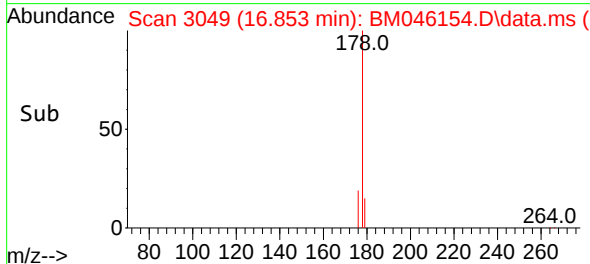
Instrument :  
BNA\_M  
ClientSampleId :  
A4BP5



Tgt Ion:178 Resp: 6569  
Ion Ratio Lower Upper  
178 100  
179 15.5 14.2 21.2  
176 19.7 17.1 25.7

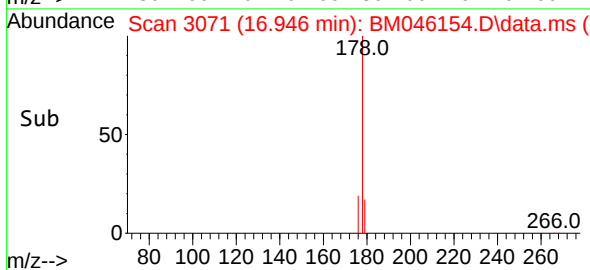
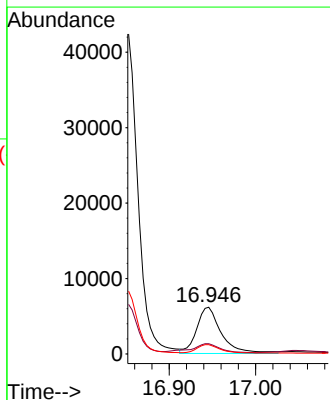
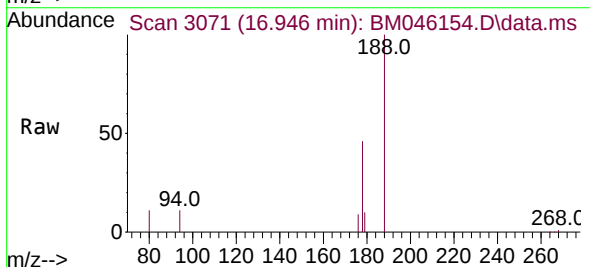
Manual Integrations  
APPROVED

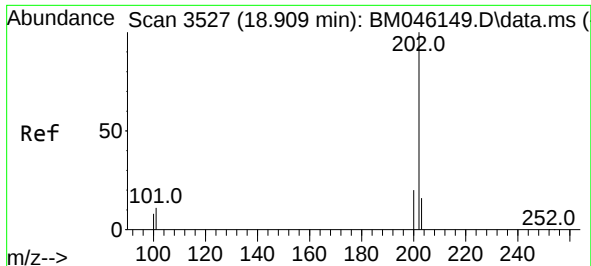
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :mohammad ahmed 06/24/2024



#16  
Anthracene  
Concen: 0.655 ng/ul m  
RT: 16.946 min Scan# 3071  
Delta R.T. -0.059 min  
Lab File: BM046154.D  
Acq: 21 Jun 2024 11:28

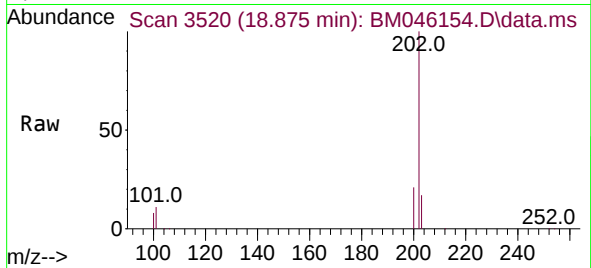
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Ion Ratio Lower Upper  
178 100  
179 22.0 14.9 22.3  
176 19.8 17.0 25.4





#19  
Fluoranthene  
Concen: 2.845 ng/ul  
RT: 18.875 min Scan# 3520  
Delta R.T. -0.042 min  
Lab File: BM046154.D  
Acq: 21 Jun 2024 11:28

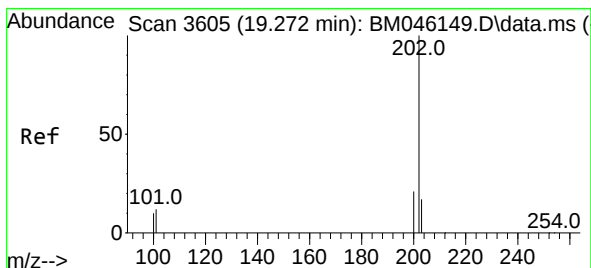
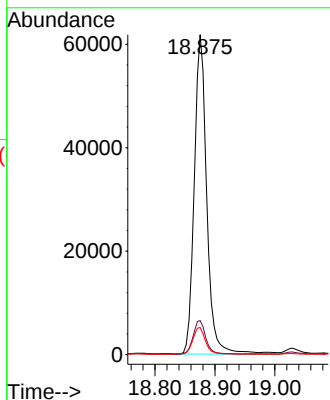
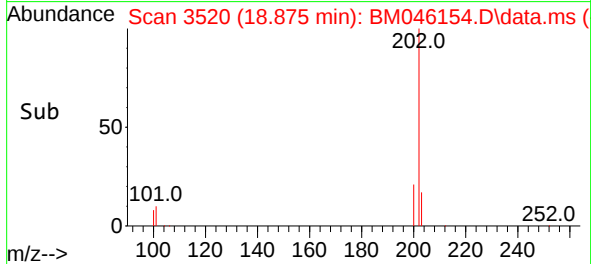
Instrument :  
BNA\_M  
ClientSampleId :  
A4BP5



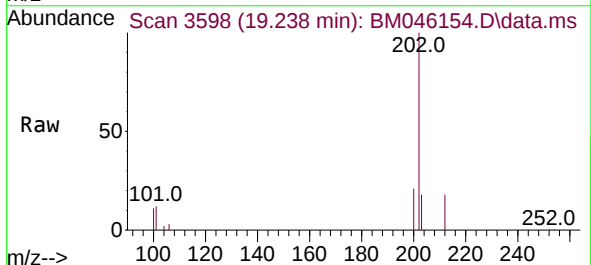
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100 8.5 7.6 11.4

Manual Integrations  
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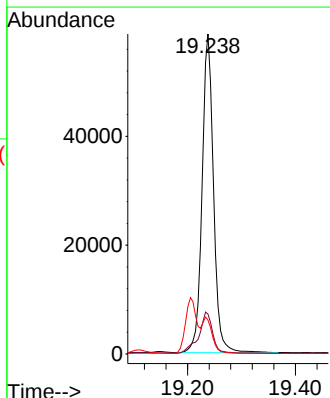
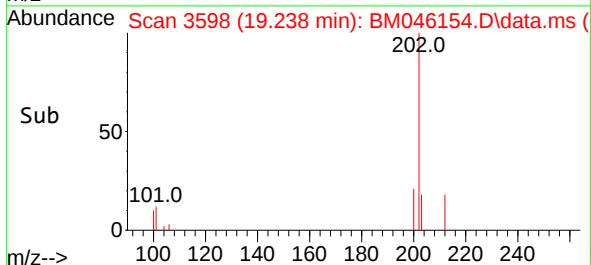
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :mohammad ahmed 06/24/2024

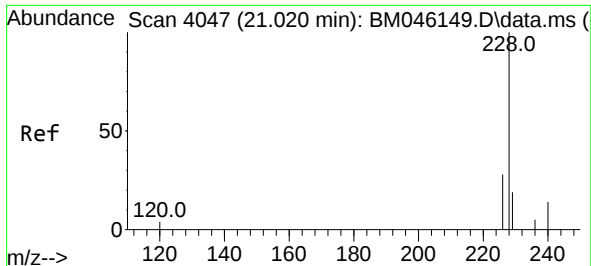


#20  
Pyrene  
Concen: 2.540 ng/ul  
RT: 19.238 min Scan# 3598  
Delta R.T. -0.037 min  
Lab File: BM046154.D  
Acq: 21 Jun 2024 11:28



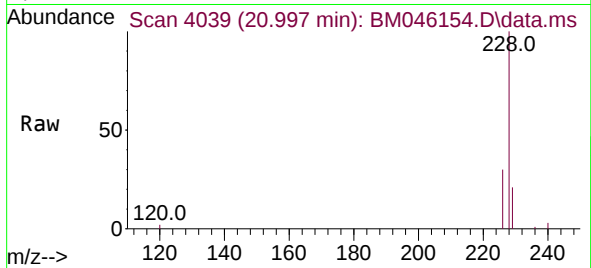
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Ion Ratio Lower Upper  
202 100  
101 12.5 11.3 16.9  
100 10.6 9.8 14.6





#21  
Benzo(a)anthracene  
Concen: 1.474 ng/ul  
RT: 20.997 min Scan# 4039  
Delta R.T. -0.032 min  
Lab File: BM046154.D  
Acq: 21 Jun 2024 11:28

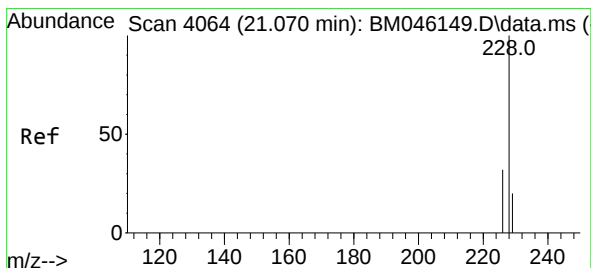
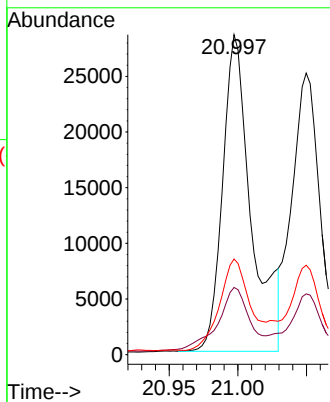
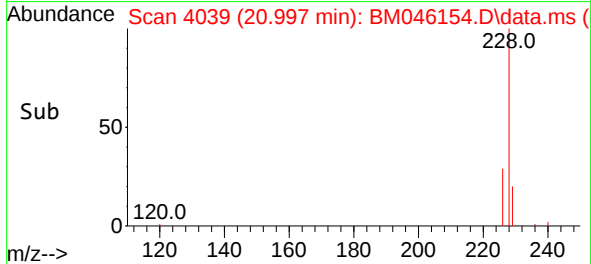
Instrument :  
BNA\_M  
ClientSampleId :  
A4BP5



Tgt Ion:228 Resp: 4122  
Ion Ratio Lower Upper  
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229 21.0 16.4 24.6  
226 29.9 23.4 35.2

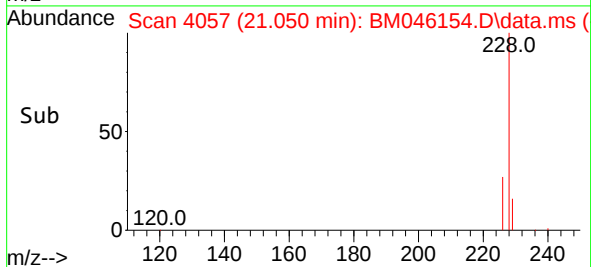
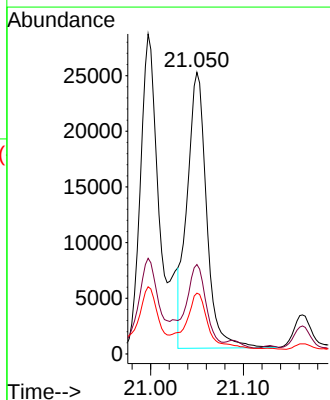
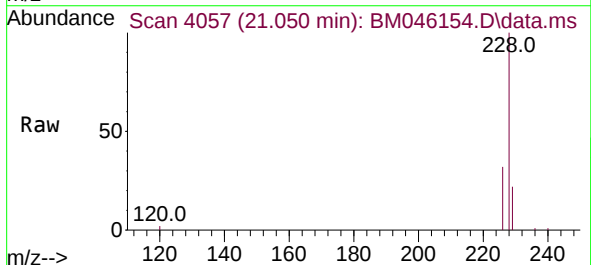
Manual Integrations  
APPROVED

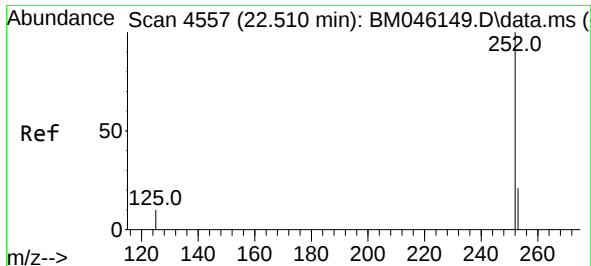
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :mohammad ahmed 06/24/2024



#22  
Chrysene  
Concen: 1.012 ng/ul  
RT: 21.050 min Scan# 4057  
Delta R.T. -0.026 min  
Lab File: BM046154.D  
Acq: 21 Jun 2024 11:28

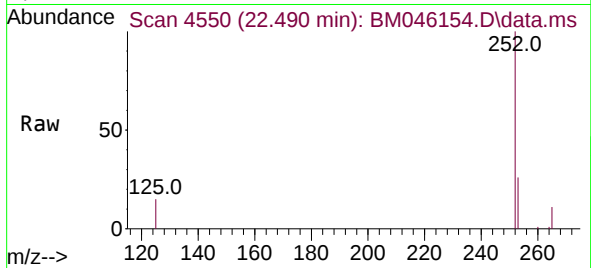
Tgt Ion:228 Resp: 36114  
Ion Ratio Lower Upper  
228 100  
226 31.8 25.2 37.8  
229 21.6 16.3 24.5





#24  
Benzo(b)fluoranthene  
Concen: 1.810 ng/ul m  
RT: 22.490 min Scan# 4550  
Delta R.T. -0.029 min  
Lab File: BM046154.D  
Acq: 21 Jun 2024 11:28

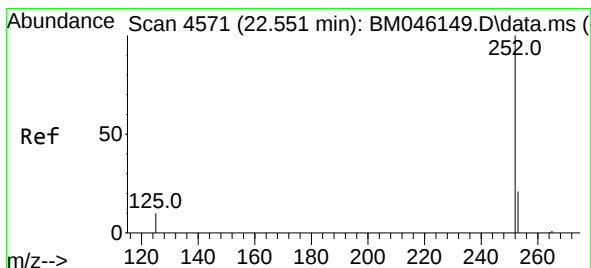
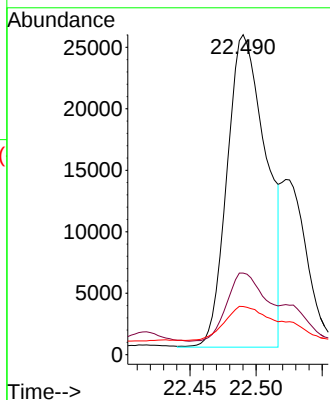
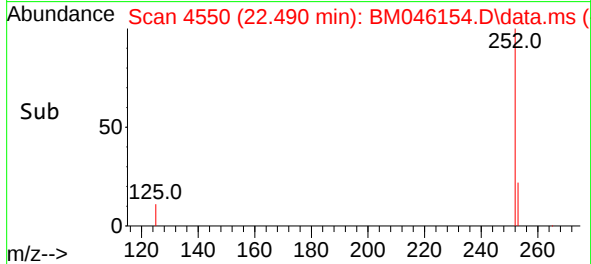
Instrument :  
BNA\_M  
ClientSampleId :  
A4BP5



Tgt Ion:252 Resp: 5216  
Ion Ratio Lower Upper  
252 100  
253 25.5 0.0 65.8  
125 15.1 0.0 40.2

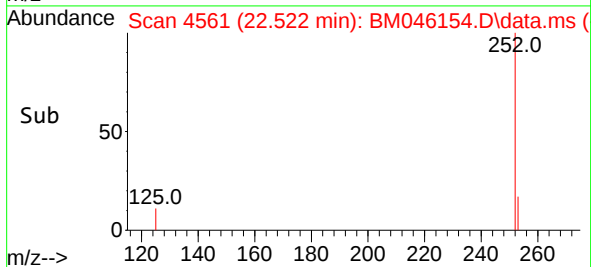
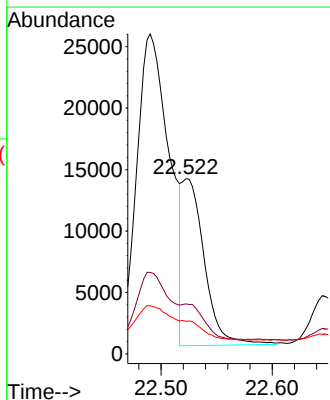
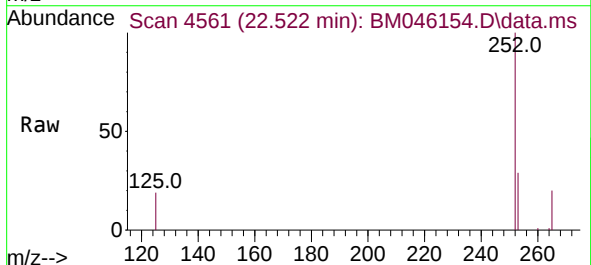
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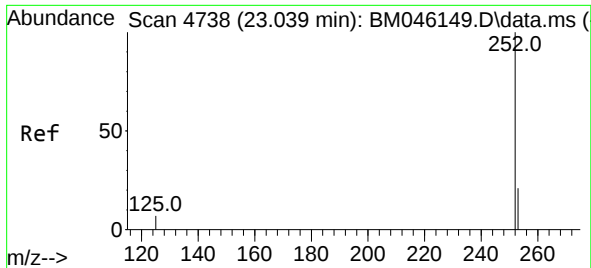
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :mohammad ahmed 06/24/2024



#25  
Benzo(k)fluoranthene  
Concen: 0.557 ng/ul m  
RT: 22.522 min Scan# 4561  
Delta R.T. -0.041 min  
Lab File: BM046154.D  
Acq: 21 Jun 2024 11:28

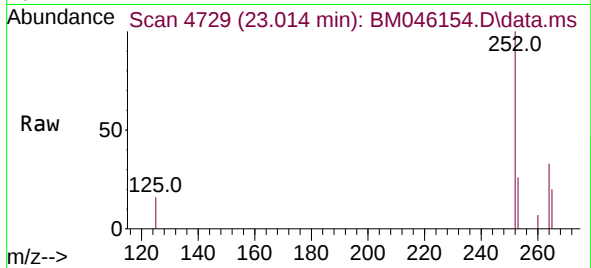
Tgt Ion:252 Resp: 19097  
Ion Ratio Lower Upper  
252 100  
253 28.6 27.2 40.8  
125 18.7 16.6 25.0





#26  
Benzo(a)pyrene  
Concen: 1.365 ng/ul  
RT: 23.014 min Scan# 41  
Delta R.T. -0.041 min  
Lab File: BM046154.D  
Acq: 21 Jun 2024 11:28

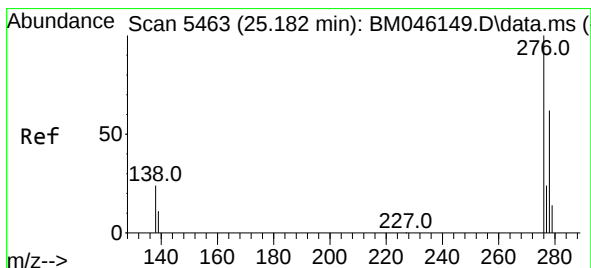
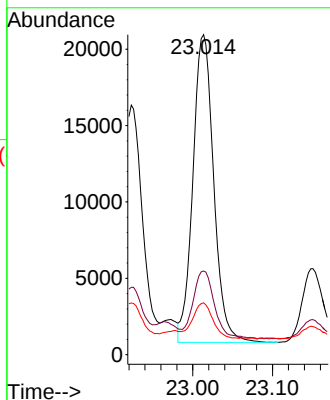
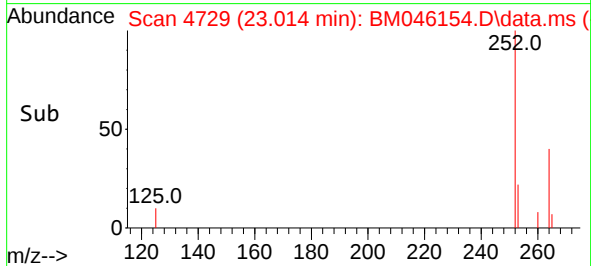
Instrument :  
BNA\_M  
ClientSampleId :  
A4BP5



Tgt Ion:252 Resp: 3644#  
Ion Ratio Lower Upper  
252 100  
253 26.1 32.1 48.1#  
125 16.2 21.2 31.8#

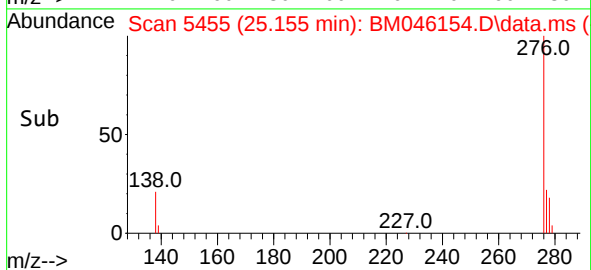
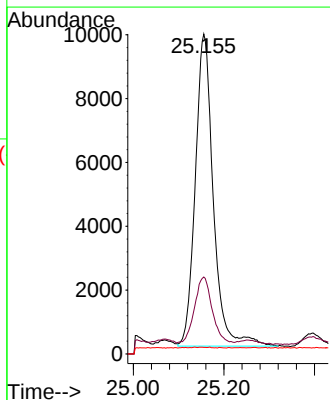
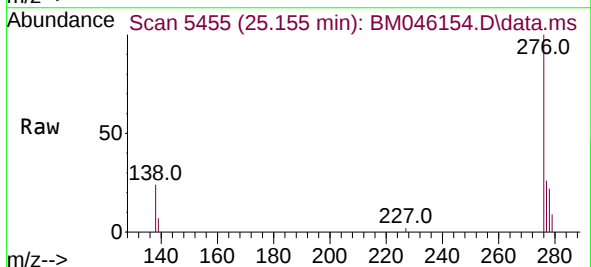
Manual Integrations  
APPROVED

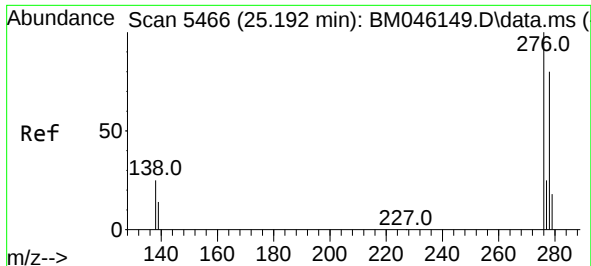
Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :mohammad ahmed 06/24/2024



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.617 ng/ul  
RT: 25.155 min Scan# 5455  
Delta R.T. -0.047 min  
Lab File: BM046154.D  
Acq: 21 Jun 2024 11:28

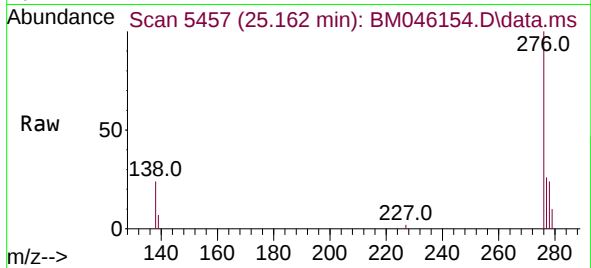
Tgt Ion:276 Resp: 26962  
Ion Ratio Lower Upper  
276 100  
138 20.7 21.0 31.4#  
227 0.0 0.0 0.0#





#28  
Dibenzo(a,h)anthracene  
Concen: 0.182 ng/ul  
RT: 25.162 min Scan# 5466  
Delta R.T. -0.054 min  
Lab File: BM046154.D  
Acq: 21 Jun 2024 11:28

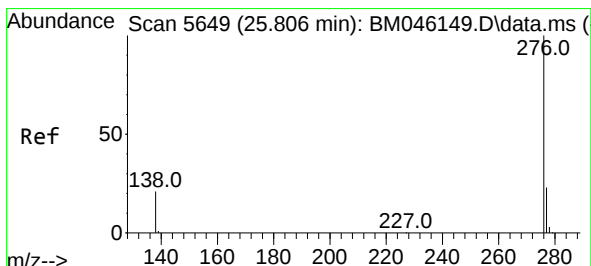
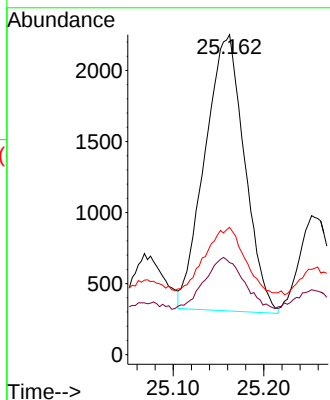
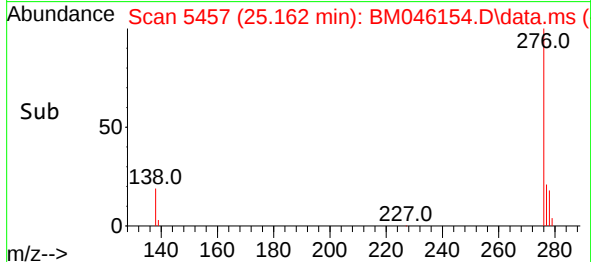
Instrument :  
BNA\_M  
ClientSampleId :  
A4BP5



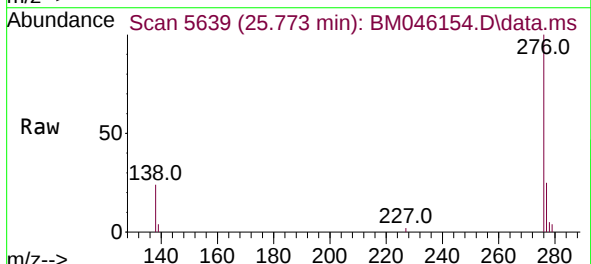
Tgt Ion:278 Resp: 590  
Ion Ratio Lower Upper  
278 100  
139 28.7 17.6 26.4  
279 39.8 26.3 39.5

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/24/2024  
Supervised By :mohammad ahmed 06/24/2024



#29  
Benzo(g,h,i)perylene  
Concen: 0.741 ng/ul  
RT: 25.773 min Scan# 5639  
Delta R.T. -0.057 min  
Lab File: BM046154.D  
Acq: 21 Jun 2024 11:28



Tgt Ion:276 Resp: 27774  
Ion Ratio Lower Upper  
276 100  
138 24.3 21.7 32.5  
277 25.1 20.4 30.6

