

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM100724\  
 Data File : BM047886.D  
 Acq On : 07 Oct 2024 16:26  
 Operator : RC/JU  
 Sample : P4083-19  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4EH2

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/08/2024  
 Supervised By :mohammad ahmed 10/11/2024

Quant Time: Oct 07 23:52:58 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 04 08:32:31 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.799  | 152  | 213994   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.587 | 136  | 857381   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.433 | 164  | 526818   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.169 | 188  | 1089050  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.398 | 240  | 1048749  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.397 | 264  | 1174832  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.246  | 96   | 7033     | 1.062  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/u1  |          |
| 7) Phenol-d5                  | 6.963  | 99   | 187153   | 9.249  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.128  | 67   | 127057   | 8.849  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.328  | 132  | 164098   | 11.146 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.504  | 113  | 116423   | 7.738  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.951  | 128  | 79155    | 11.595 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.669  | 143  | 83686    | 12.792 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.210 | 165  | 161106   | 12.328 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.728 | 131  | 124840m  | 6.179  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.839 | 166  | 486321   | 12.733 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.122 | 160  | 561315   | 12.395 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.628 | 143  | 59232    | 7.789  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.422 | 176  | 437227   | 13.216 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.539 | 200  | 43264    | 6.789  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.269 | 188  | 673663   | 12.580 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.557 | 212  | 728945   | 12.247 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.192 | 264  | 601116   | 9.862  | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 16) Acetophenone              | 8.616  | 105  | 42873    | 1.665  | ng/u1  | 92       |
| 72) Phenanthrene              | 17.210 | 178  | 467595   | 7.322  | ng/u1  | 99       |
| 74) Anthracene                | 17.304 | 178  | 86028    | 1.321  | ng/u1  | 99       |
| 80) Fluoranthene              | 19.227 | 202  | 1036492  | 14.786 | ng/u1  | 98       |
| 82) Pyrene                    | 19.586 | 202  | 641600m  | 8.223  | ng/u1  |          |
| 85) Benzo(a)anthracene        | 21.380 | 228  | 458786   | 6.248  | ng/u1  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.304 | 149  | 208120   | 5.025  | ng/u1# | 94       |
| 87) Chrysene                  | 21.439 | 228  | 503019   | 7.027  | ng/u1  | 97       |
| 90) Benzo(b)fluoranthene      | 23.450 | 252  | 693472   | 9.465  | ng/u1  | 99       |
| 91) Benzo(k)fluoranthene      | 23.509 | 252  | 235359   | 3.142  | ng/u1  | 98       |
| 93) Benzo(a)pyrene            | 24.256 | 252  | 188036   | 2.702  | ng/u1  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.774 | 276  | 196415   | 2.203  | ng/u1  | 97       |
| 95) Dibenzo(a,h)anthracene    | 27.827 | 278  | 79014    | 1.081  | ng/u1  | 93       |
| -----                         |        |      |          |        |        |          |

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

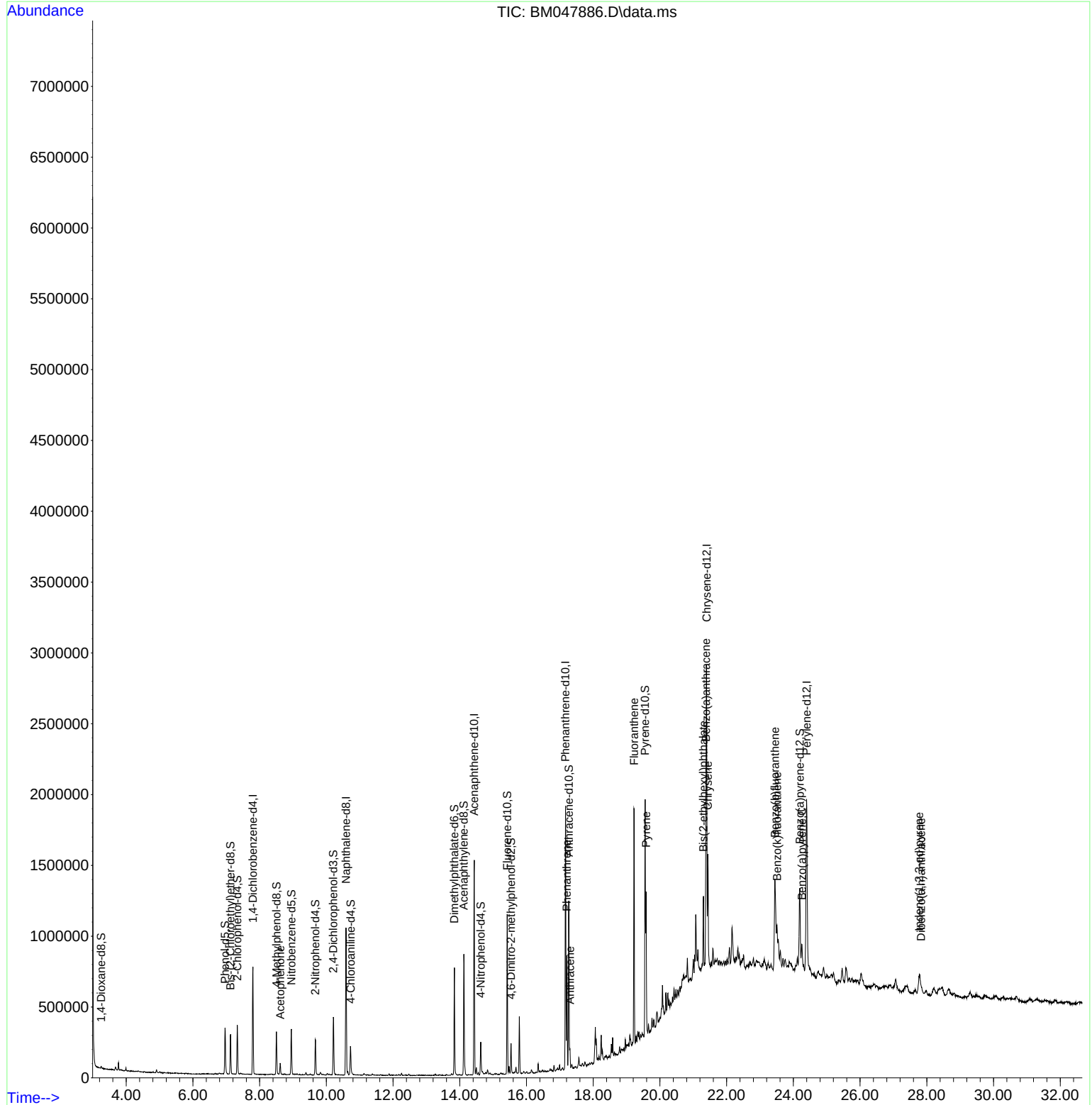
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM100724\  
Data File : BM047886.D  
Acq On : 07 Oct 2024 16:26  
Operator : RC/JU  
Sample : P4083-19  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

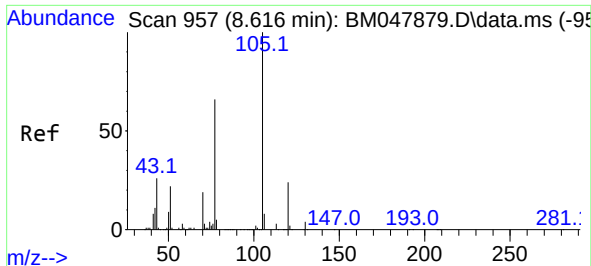
Instrument :  
BNA\_M  
ClientSampleId :  
A4EH2

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/08/2024  
Supervised By :mohammad ahmed 10/11/2024

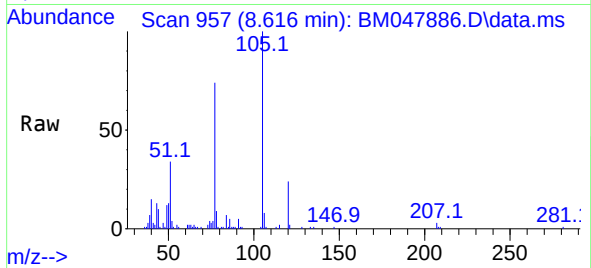
Quant Time: Oct 07 23:52:58 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 04 08:32:31 2024  
Response via : Initial Calibration





#16  
Acetophenone  
Concen: 1.665 ng/u1  
RT: 8.616 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BM047886.D  
Acq: 07 Oct 2024 16:26

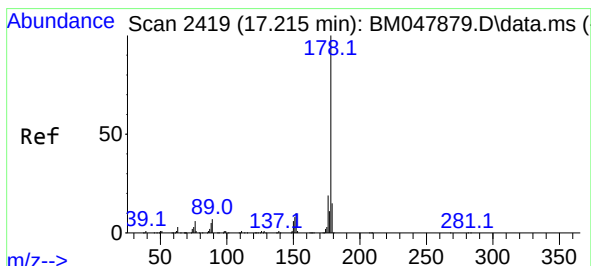
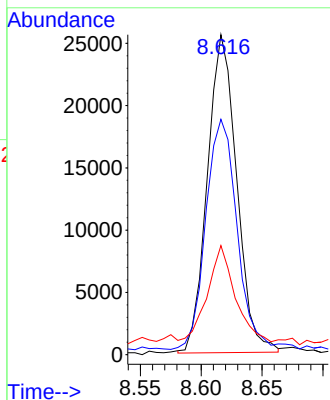
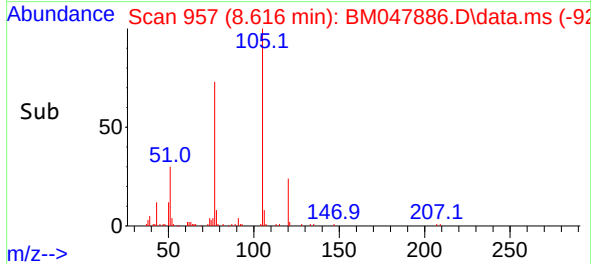
Instrument :  
BNA\_M  
ClientSampleId :  
A4EH2



Tgt Ion:105 Resp: 4287  
Ion Ratio Lower Upper  
105 100  
77 73.6 66.6 100.0  
51 34.1 27.0 40.4

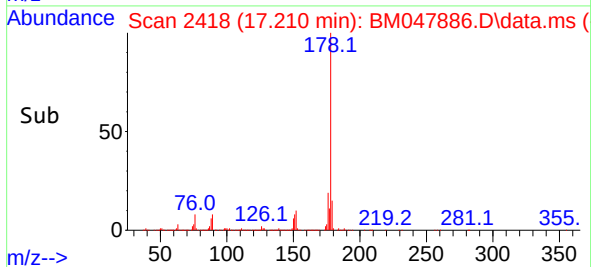
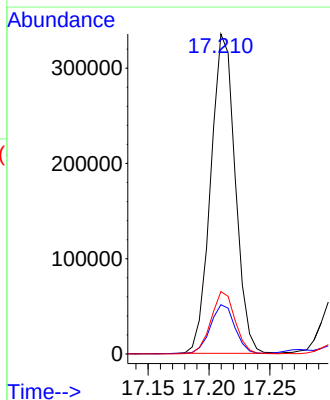
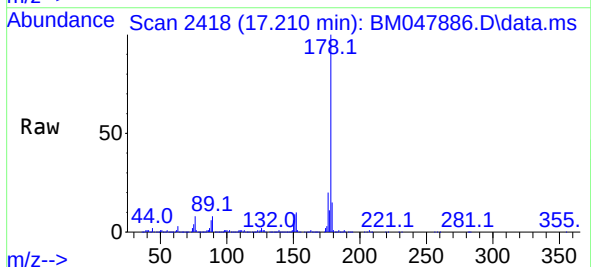
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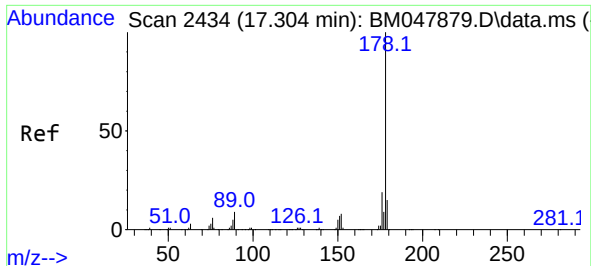
Reviewed By :Yogesh Patel 10/08/2024  
Supervised By :mohammad ahmed 10/11/2024



#72  
Phenanthrene  
Concen: 7.322 ng/u1  
RT: 17.210 min Scan# 2418  
Delta R.T. -0.006 min  
Lab File: BM047886.D  
Acq: 07 Oct 2024 16:26

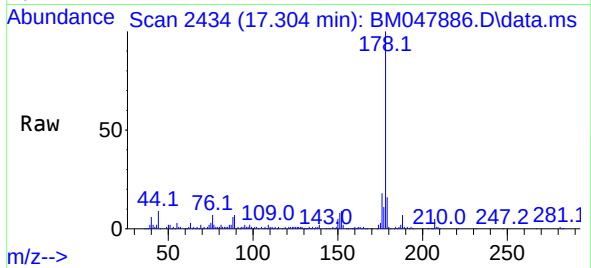
Tgt Ion:178 Resp: 467595  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.0 18.0  
176 19.5 15.4 23.0





#74  
 Anthracene  
 Concen: 1.321 ng/ul  
 RT: 17.304 min Scan# 2434  
 Delta R.T. 0.000 min  
 Lab File: BM047886.D  
 Acq: 07 Oct 2024 16:26

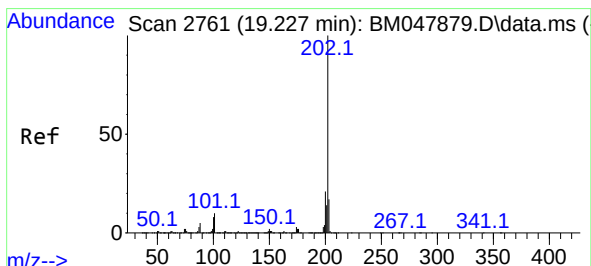
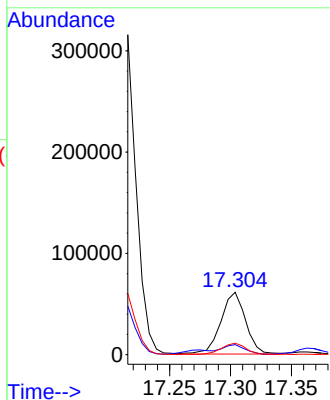
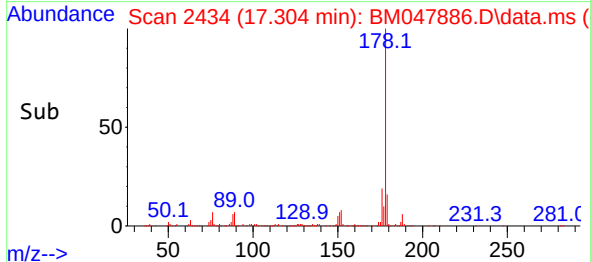
Instrument :  
 BNA\_M  
 ClientSampleId :  
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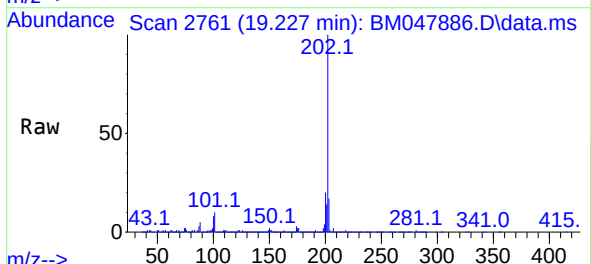
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 Ion Ratio Lower Upper  
 178 100  
 179 16.3 12.4 18.6  
 176 18.5 14.7 22.1

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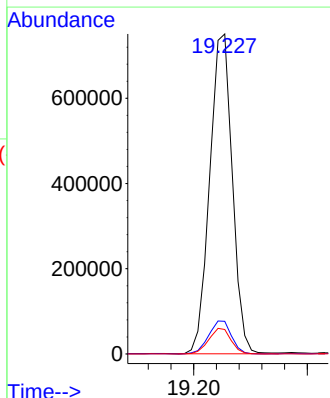
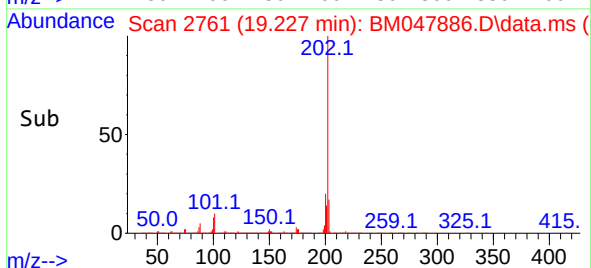
Reviewed By :Yogesh Patel 10/08/2024  
 Supervised By :mohammad ahmed 10/11/2024

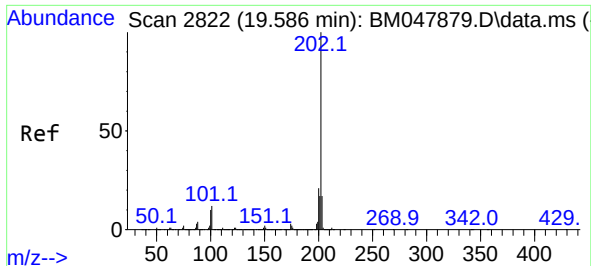


#80  
 Fluoranthene  
 Concen: 14.786 ng/ul  
 RT: 19.227 min Scan# 2761  
 Delta R.T. 0.000 min  
 Lab File: BM047886.D  
 Acq: 07 Oct 2024 16:26



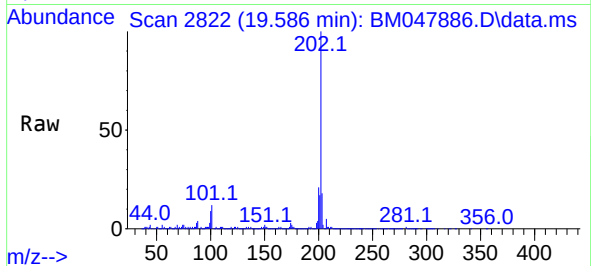
Tgt Ion:202 Resp: 1036492  
 Ion Ratio Lower Upper  
 202 100  
 101 10.2 9.0 13.4  
 100 7.7 6.8 10.2





#82  
Pyrene  
Concen: 8.223 ng/ul m  
RT: 19.586 min Scan# 2822  
Delta R.T. 0.000 min  
Lab File: BM047886.D  
Acq: 07 Oct 2024 16:26

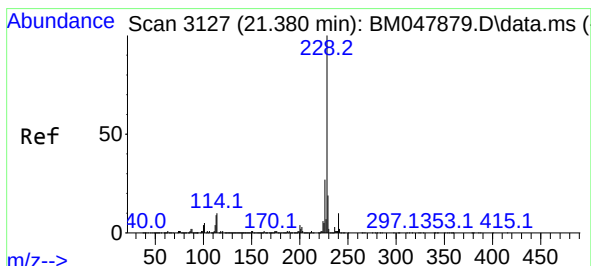
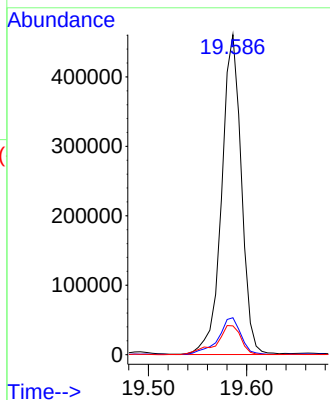
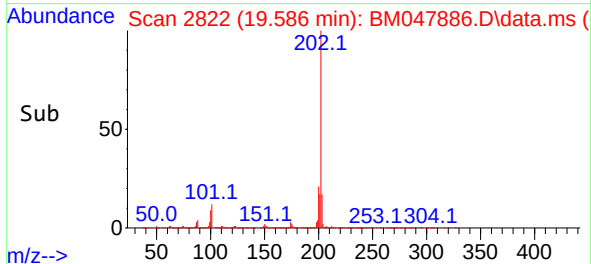
Instrument :  
BNA\_M  
ClientSampleId :  
A4EH2



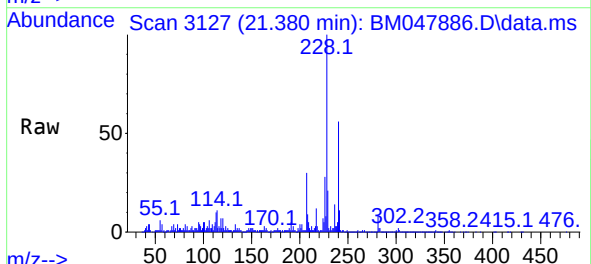
Tgt Ion:202 Resp: 641600  
Ion Ratio Lower Upper  
202 100  
101 11.6 10.9 16.3  
100 9.0 9.4 14.2

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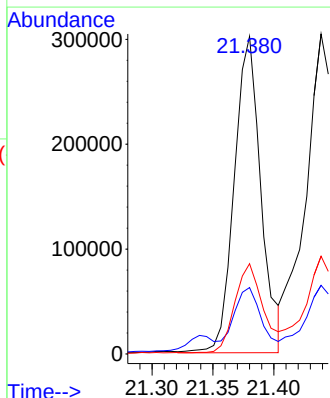
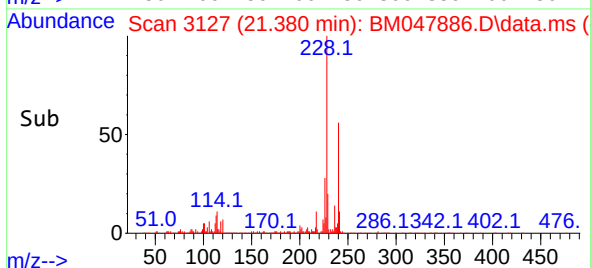
Reviewed By :Yogesh Patel 10/08/2024  
Supervised By :mohammad ahmed 10/11/2024

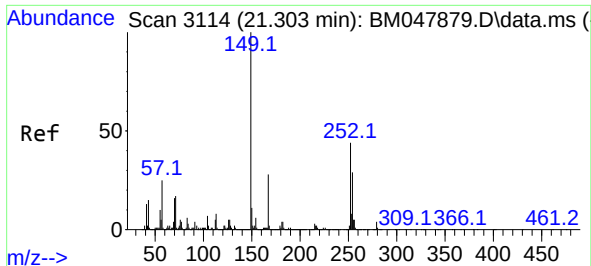


#85  
Benzo(a)anthracene  
Concen: 6.248 ng/ul  
RT: 21.380 min Scan# 3127  
Delta R.T. 0.000 min  
Lab File: BM047886.D  
Acq: 07 Oct 2024 16:26



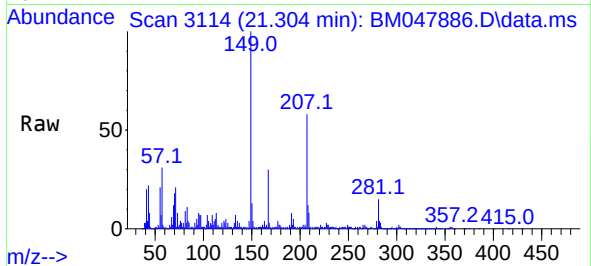
Tgt Ion:228 Resp: 458786  
Ion Ratio Lower Upper  
228 100  
229 20.9 15.6 23.4  
226 28.4 21.9 32.9





#86  
Bis(2-ethylhexyl)phthalate  
Concen: 5.025 ng/ul  
RT: 21.304 min Scan# 3114  
Delta R.T. 0.000 min  
Lab File: BM047886.D  
Acq: 07 Oct 2024 16:26

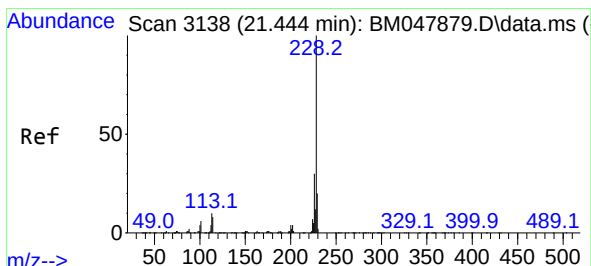
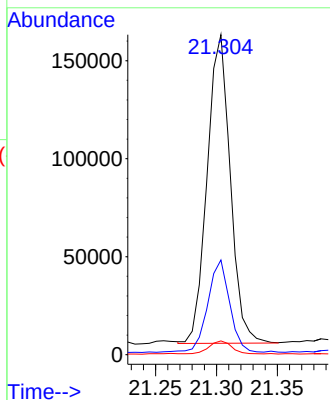
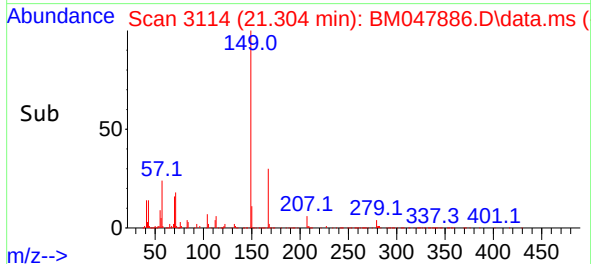
Instrument :  
BNA\_M  
ClientSampleId :  
A4EH2



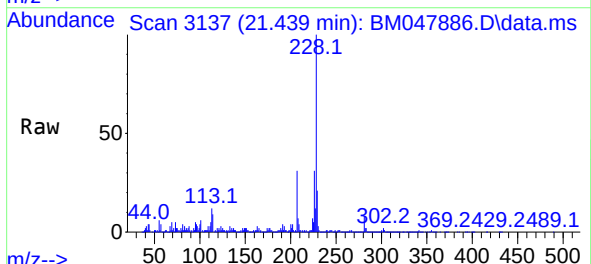
Tgt Ion:149 Resp: 208120  
Ion Ratio Lower Upper  
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167 29.6 21.3 31.9  
279 4.3 2.7 4.1

Manual Integrations  
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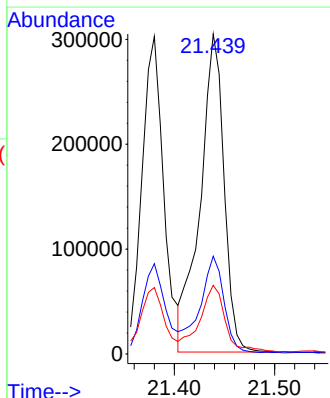
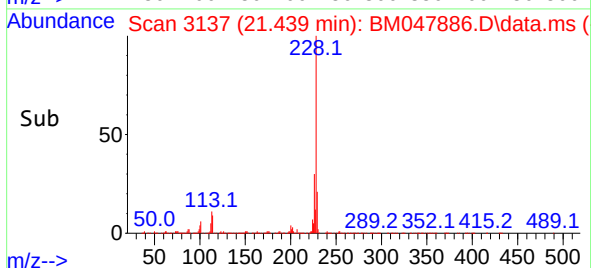
Reviewed By :Yogesh Patel 10/08/2024  
Supervised By :mohammad ahmed 10/11/2024

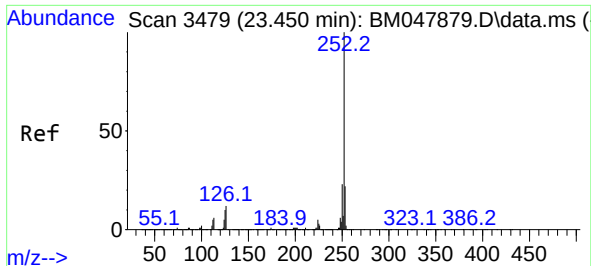


#87  
Chrysene  
Concen: 7.027 ng/ul  
RT: 21.439 min Scan# 3137  
Delta R.T. 0.000 min  
Lab File: BM047886.D  
Acq: 07 Oct 2024 16:26



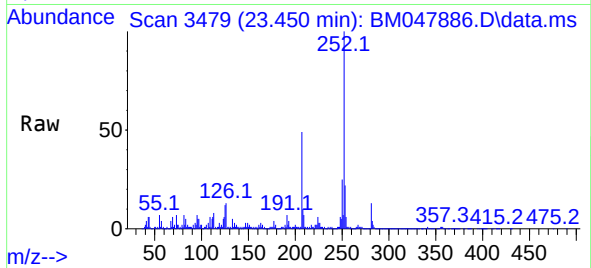
Tgt Ion:228 Resp: 503019  
Ion Ratio Lower Upper  
228 100  
226 30.5 23.6 35.4  
229 21.5 15.3 22.9





#90  
Benzo(b)fluoranthene  
Concen: 9.465 ng/u1  
RT: 23.450 min Scan# 3479  
Delta R.T. 0.000 min  
Lab File: BM047886.D  
Acq: 07 Oct 2024 16:26

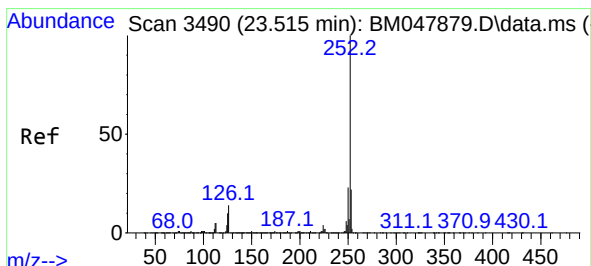
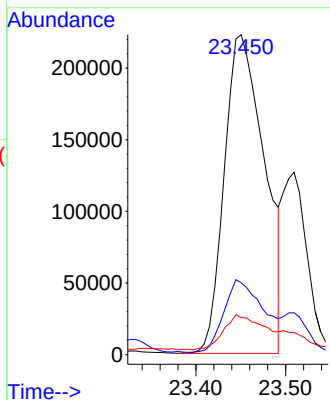
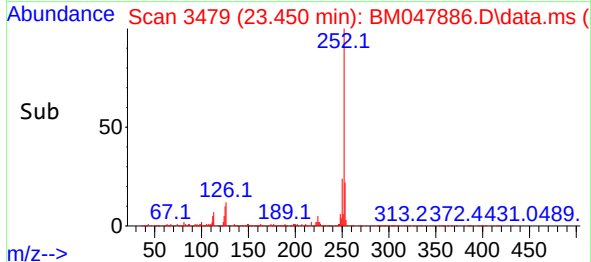
Instrument :  
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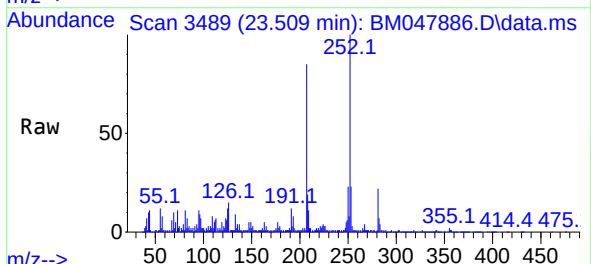
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Ion Ratio Lower Upper  
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125 11.6 9.0 13.4

Manual Integrations  
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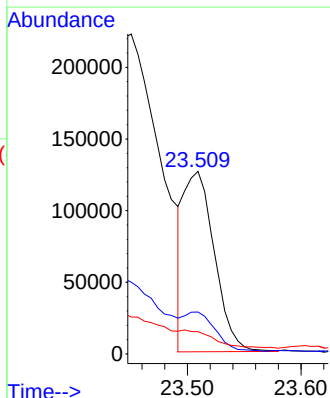
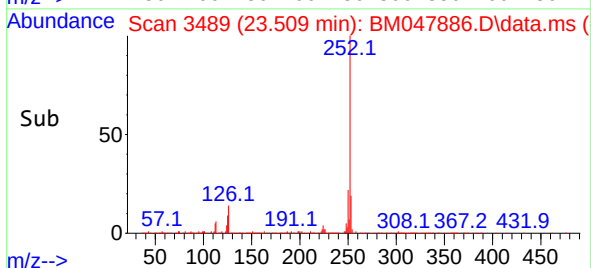
Reviewed By :Yogesh Patel 10/08/2024  
Supervised By :mohammad ahmed 10/11/2024

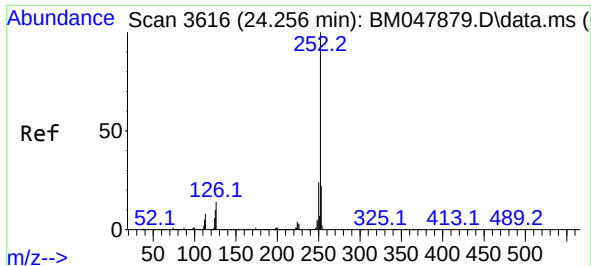


#91  
Benzo(k)fluoranthene  
Concen: 3.142 ng/u1  
RT: 23.509 min Scan# 3489  
Delta R.T. 0.000 min  
Lab File: BM047886.D  
Acq: 07 Oct 2024 16:26



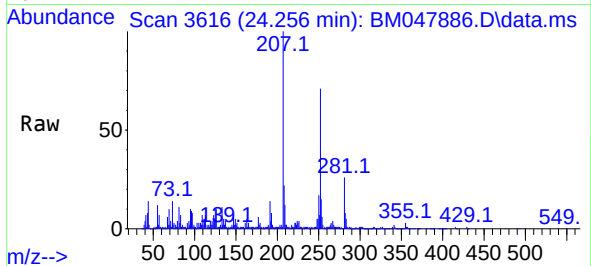
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Ion Ratio Lower Upper  
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253 23.0 17.5 26.3  
125 12.2 8.9 13.3





#93  
Benzo(a)pyrene  
Concen: 2.702 ng/u1  
RT: 24.256 min Scan# 30  
Delta R.T. 0.000 min  
Lab File: BM047886.D  
Acq: 07 Oct 2024 16:26

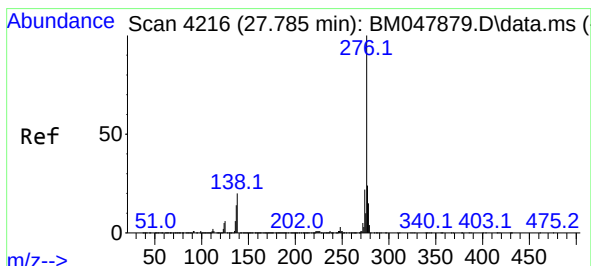
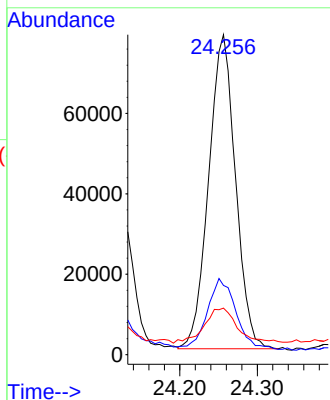
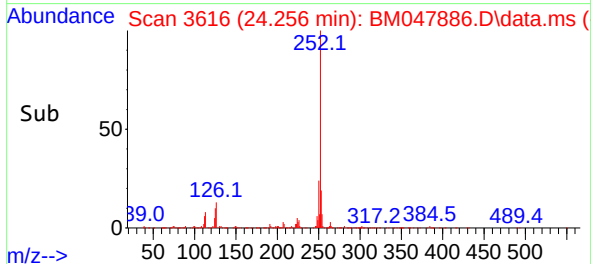
Instrument :  
BNA\_M  
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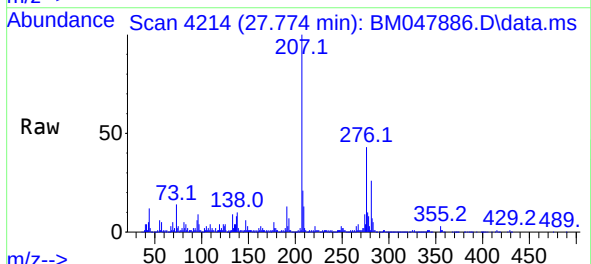
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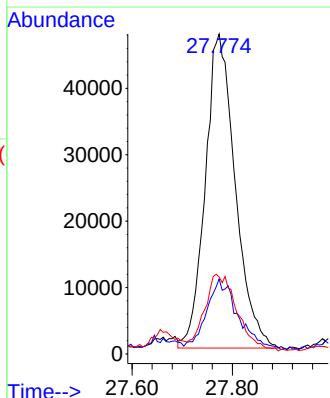
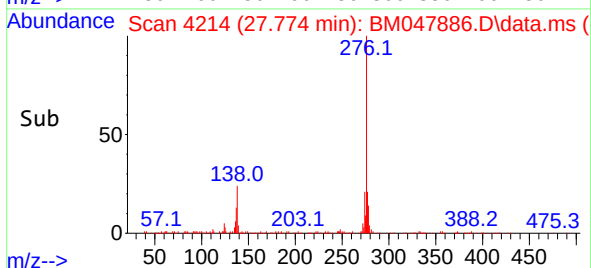
Reviewed By :Yogesh Patel 10/08/2024  
Supervised By :mohammad ahmed 10/11/2024



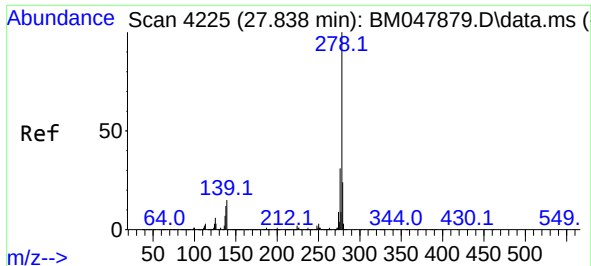
#94  
Indeno(1,2,3-cd)pyrene  
Concen: 2.203 ng/u1  
RT: 27.774 min Scan# 4214  
Delta R.T. -0.006 min  
Lab File: BM047886.D  
Acq: 07 Oct 2024 16:26



Tgt Ion:276 Resp: 196415  
Ion Ratio Lower Upper  
276 100  
138 23.5 16.9 25.3  
277 24.1 18.9 28.3

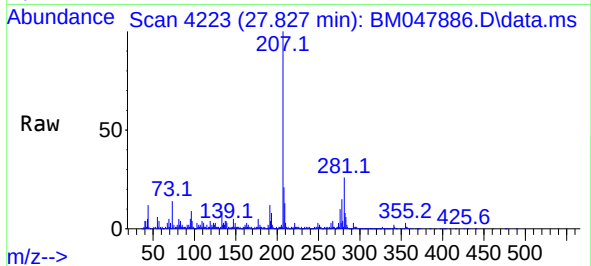






#95  
 Dibenzo(a,h)anthracene  
 Concen: 1.081 ng/ul  
 RT: 27.827 min Scan# 41  
 Delta R.T. -0.011 min  
 Lab File: BM047886.D  
 Acq: 07 Oct 2024 16:26

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4EH2



Tgt Ion:278 Resp: 79014  
 Ion Ratio Lower Upper  
 278 100  
 139 19.6 13.4 20.2  
 279 26.2 18.4 27.6

Manual Integrations  
 APPROVED

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