

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101424\  
 Data File : BM048049.D  
 Acq On : 15 Oct 2024 05:26  
 Operator : RC/JU  
 Sample : P4238-04  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4F14

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/16/2024  
 Supervised By :mohammad ahmed 10/17/2024

Quant Time: Oct 15 06:04:55 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 10 05:10:14 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.781  | 152  | 306249   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.575 | 136  | 1195764  | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.421 | 164  | 726082   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.162 | 188  | 1446922  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.386 | 240  | 1397367  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.380 | 264  | 1661904  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.240  | 96   | 21545    | 2.273  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.657  | 84   | 264178   | 9.521  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.957  | 99   | 376086m  | 12.987 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.110  | 67   | 218076m  | 10.612 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.316  | 132  | 317127   | 15.052 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.492  | 113  | 297780   | 13.830 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.934  | 128  | 145120   | 15.243 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.657  | 143  | 162464   | 17.807 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.198 | 165  | 291236   | 15.979 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.710 | 131  | 359172   | 12.747 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.827 | 166  | 860105   | 16.339 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.110 | 160  | 1031677  | 16.529 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.633 | 143  | 120068   | 11.456 | ng/u1  | 0.01     |
| 60) Fluorene-d10              | 15.410 | 176  | 780433   | 17.116 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.533 | 200  | 83853    | 9.903  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.256 | 188  | 1212075  | 17.036 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.545 | 212  | 1433446  | 18.075 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.174 | 264  | 1545727  | 17.926 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.198 | 178  | 249628   | 2.942  | ng/u1  | 99       |
| 80) Fluoranthene              | 19.215 | 202  | 410617   | 4.396  | ng/u1  | 98       |
| 82) Pyrene                    | 19.574 | 202  | 374623   | 3.604  | ng/u1  | 98       |
| 85) Benzo(a)anthracene        | 21.368 | 228  | 187147   | 1.913  | ng/u1  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.286 | 149  | 99685    | 1.807  | ng/u1# | 95       |
| 87) Chrysene                  | 21.427 | 228  | 190986   | 2.002  | ng/u1  | 97       |
| 90) Benzo(b)fluoranthene      | 23.433 | 252  | 246970   | 2.383  | ng/u1# | 96       |
| 93) Benzo(a)pyrene            | 24.238 | 252  | 178527   | 1.814  | ng/u1  | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.750 | 276  | 126505   | 1.003  | ng/u1  | 96       |
| 96) Benzo(g,h,i)perylene      | 28.809 | 276  | 126383   | 1.279  | ng/u1  | 98       |
| -----                         |        |      |          |        |        |          |

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

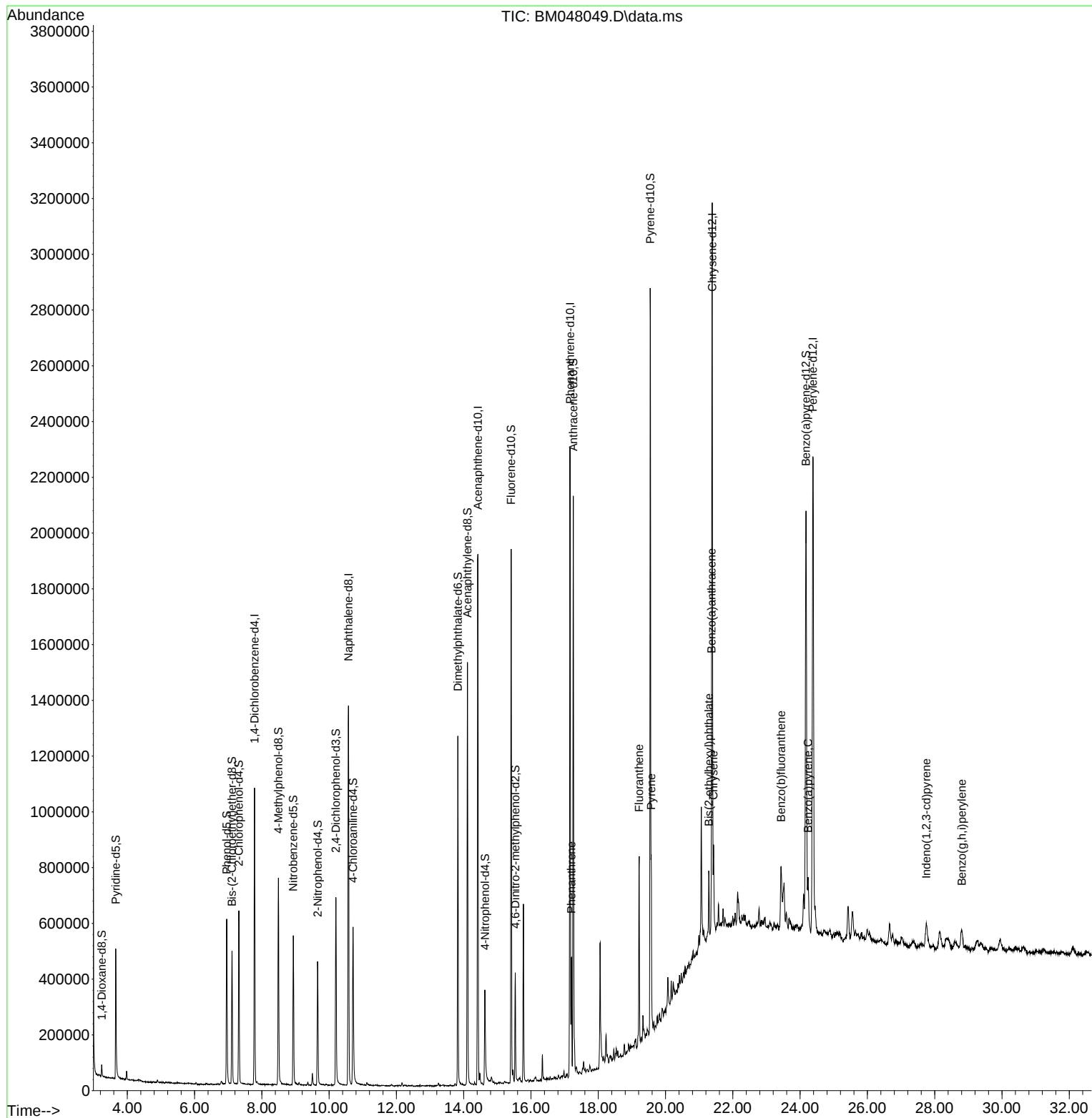
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101424\  
Data File : BM048049.D  
Acq On : 15 Oct 2024 05:26  
Operator : RC/JU  
Sample : P4238-04  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

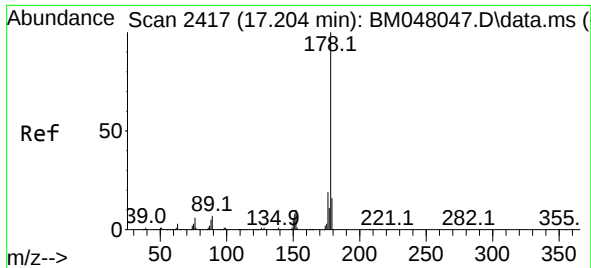
Instrument :  
BNA\_M  
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Quant Time: Oct 15 06:04:55 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 10 05:10:14 2024  
Response via : Initial Calibration

Manual Integrations  
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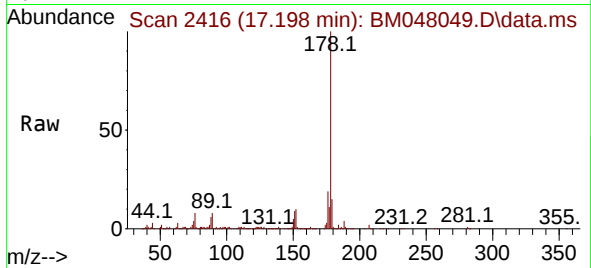
Reviewed By :Yogesh Patel 10/16/2024  
Supervised By :mohammad ahmed 10/17/2024





#72  
Phenanthrene  
Concen: 2.942 ng/ul  
RT: 17.198 min Scan# 2416  
Delta R.T. -0.006 min  
Lab File: BM048049.D  
Acq: 15 Oct 2024 05:26

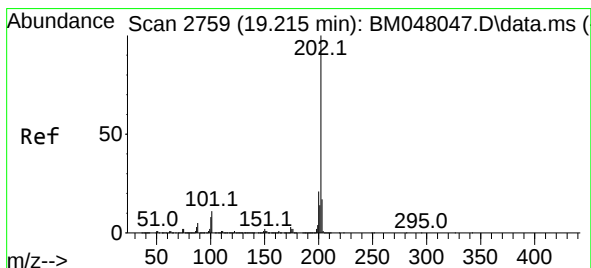
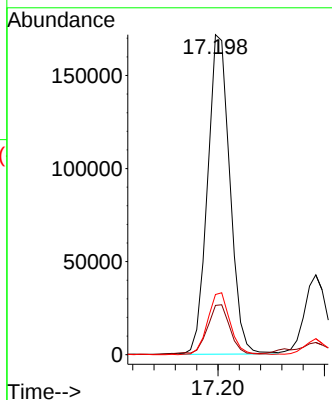
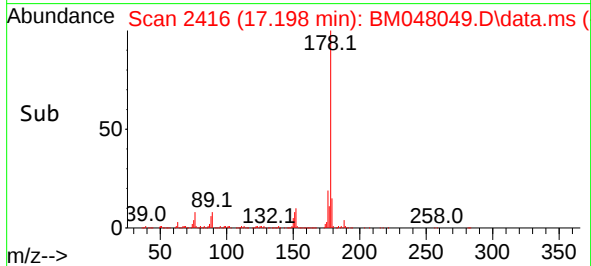
Instrument :  
BNA\_M  
ClientSampleId :  
A4F14



Tgt Ion:178 Resp: 249628  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.0 18.0  
176 18.8 15.4 23.0

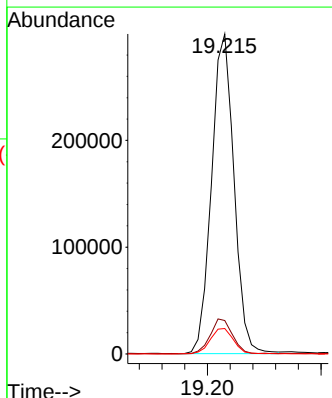
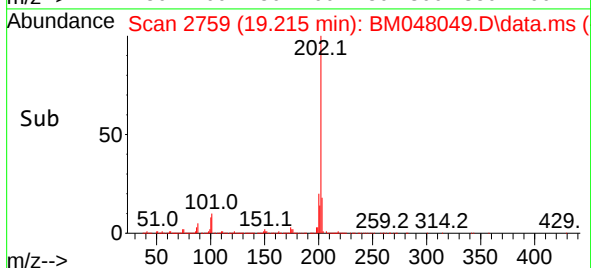
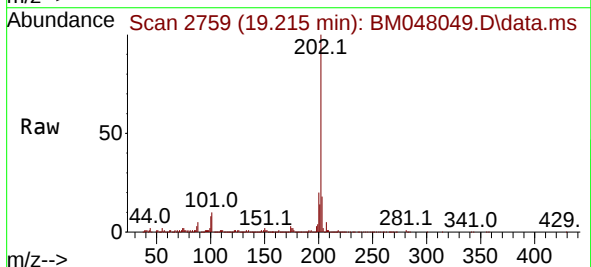
Manual Integrations  
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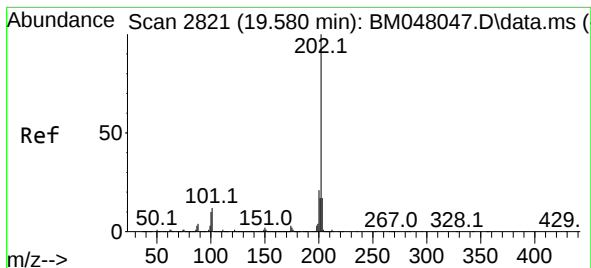
Reviewed By :Yogesh Patel 10/16/2024  
Supervised By :mohammad ahmed 10/17/2024



#80  
Fluoranthene  
Concen: 4.396 ng/ul  
RT: 19.215 min Scan# 2759  
Delta R.T. 0.000 min  
Lab File: BM048049.D  
Acq: 15 Oct 2024 05:26

Tgt Ion:202 Resp: 410617  
Ion Ratio Lower Upper  
202 100  
101 10.5 9.0 13.4  
100 7.9 6.8 10.2





#82

Pyrene

Concen: 3.604 ng/ul

RT: 19.574 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM048049.D

Acq: 15 Oct 2024 05:26

Instrument :

BNA\_M

ClientSampleId :

A4F14

Tgt Ion:202 Resp: 37462

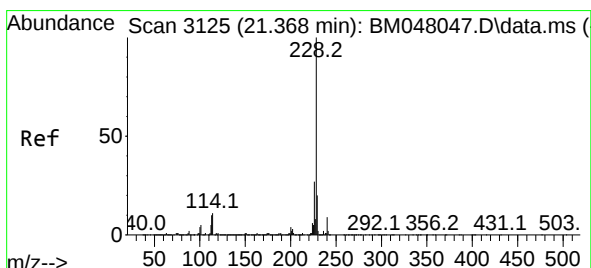
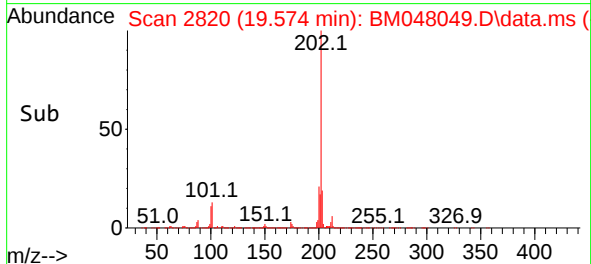
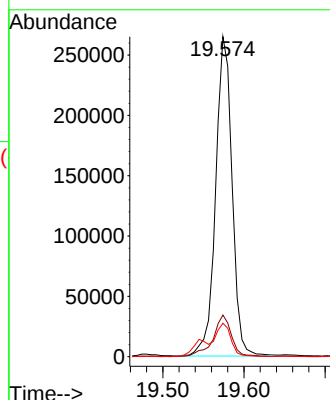
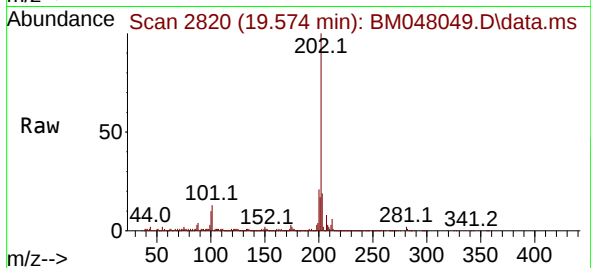
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 13.0  | 10.9  | 16.3  |
| 100 | 10.4  | 9.4   | 14.2  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2024

Supervised By :mohammad ahmed 10/17/2024



#85

Benzo(a)anthracene

Concen: 1.913 ng/ul

RT: 21.368 min Scan# 3125

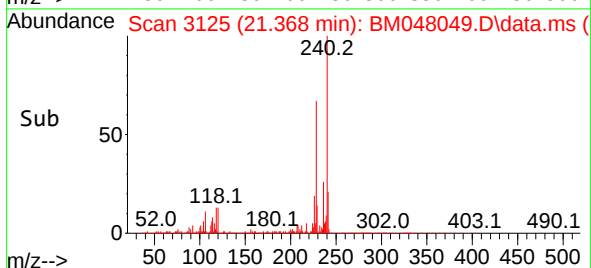
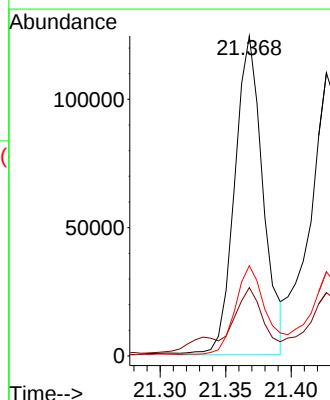
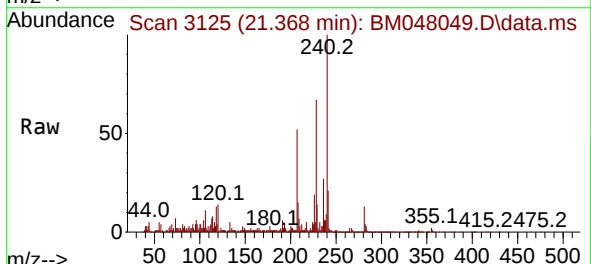
Delta R.T. 0.000 min

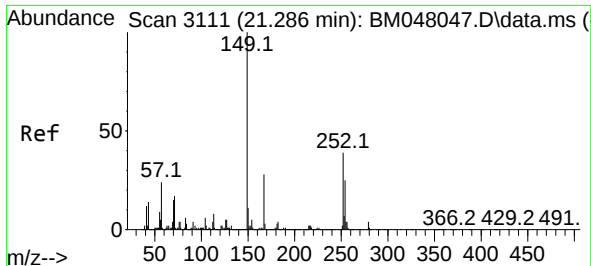
Lab File: BM048049.D

Acq: 15 Oct 2024 05:26

Tgt Ion:228 Resp: 187147

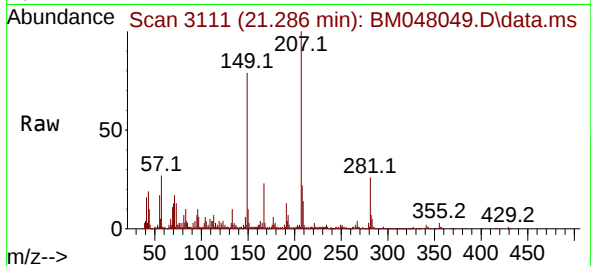
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 229 | 21.3  | 15.6  | 23.4  |
| 226 | 28.2  | 21.9  | 32.9  |





#86  
Bis(2-ethylhexyl)phthalate  
Concen: 1.807 ng/ul  
RT: 21.286 min Scan# 3111  
Delta R.T. 0.000 min  
Lab File: BM048049.D  
Acq: 15 Oct 2024 05:26

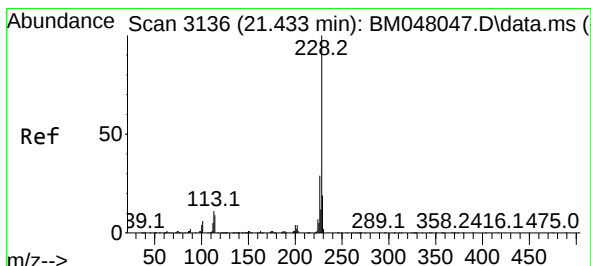
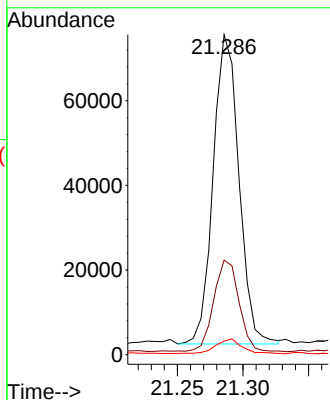
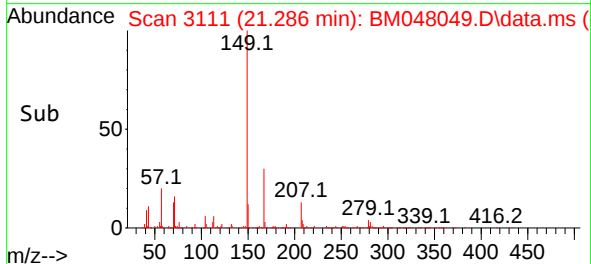
Instrument :  
BNA\_M  
ClientSampleId :  
A4F14



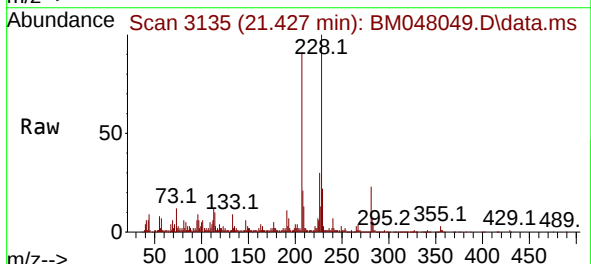
Tgt Ion:149 Resp: 99685  
Ion Ratio Lower Upper  
149 100  
167 29.6 21.3 31.9  
279 4.2 2.7 4.1

Manual Integrations  
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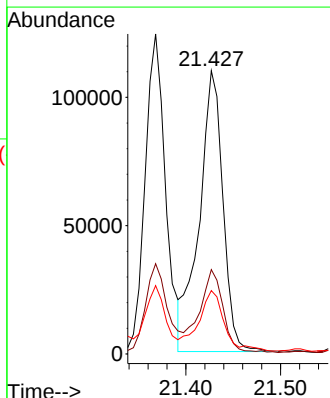
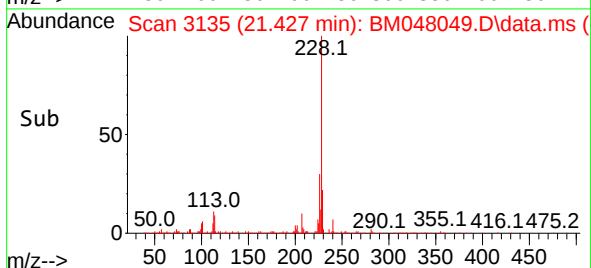
Reviewed By :Yogesh Patel 10/16/2024  
Supervised By :mohammad ahmed 10/17/2024

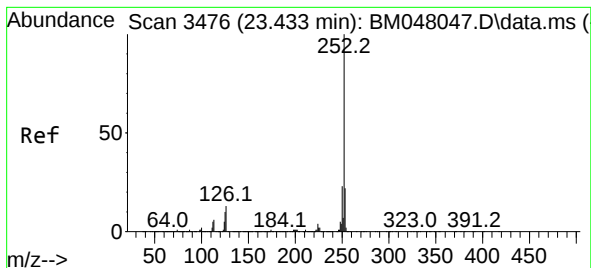


#87  
Chrysene  
Concen: 2.002 ng/ul  
RT: 21.427 min Scan# 3135  
Delta R.T. 0.000 min  
Lab File: BM048049.D  
Acq: 15 Oct 2024 05:26



Tgt Ion:228 Resp: 190986  
Ion Ratio Lower Upper  
228 100  
226 29.8 23.6 35.4  
229 22.4 15.3 22.9





#90

Benzo(b)fluoranthene

Concen: 2.383 ng/uI

RT: 23.433 min Scan# 3476

Delta R.T. 0.006 min

Lab File: BM048049.D

Acq: 15 Oct 2024 05:26

Instrument :

BNA\_M

ClientSampleId :

A4F14

Tgt Ion:252 Resp: 246970

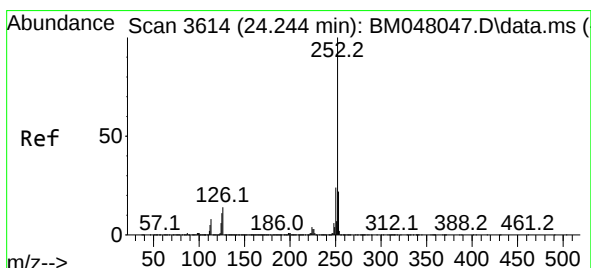
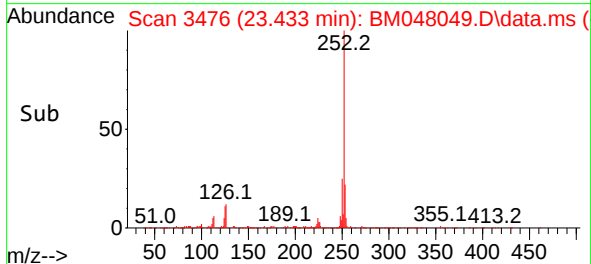
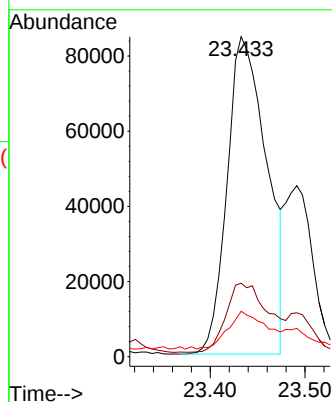
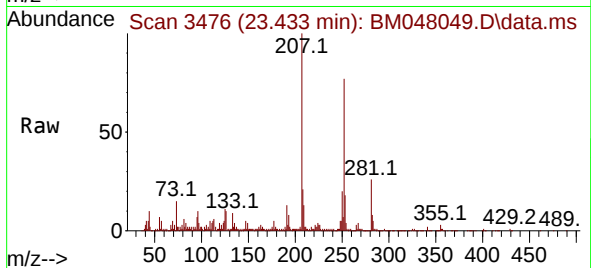
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.9  | 17.4  | 26.2  |
| 125 | 14.2  | 9.0   | 13.4  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2024

Supervised By :mohammad ahmed 10/17/2024



#93

Benzo(a)pyrene

Concen: 1.814 ng/uI

RT: 24.238 min Scan# 3613

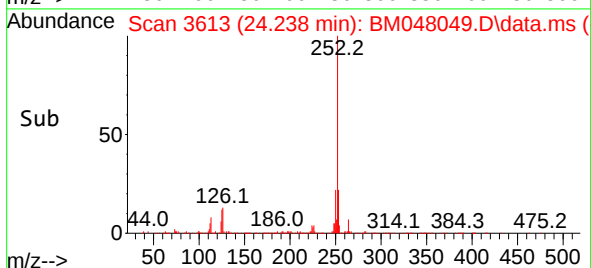
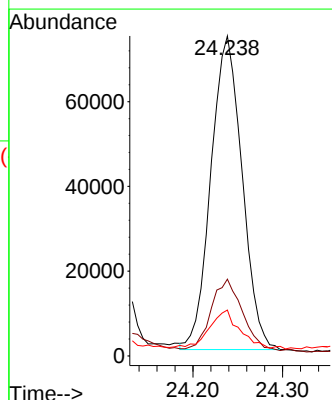
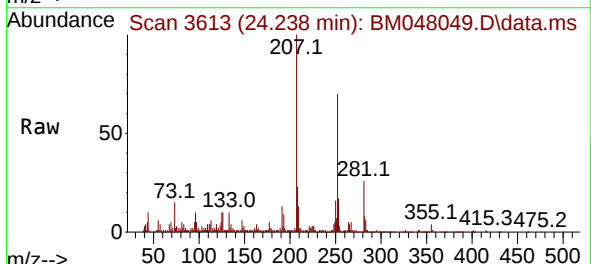
Delta R.T. 0.006 min

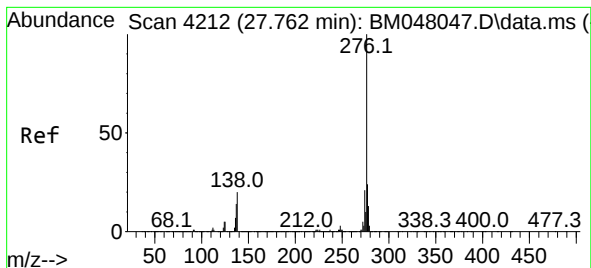
Lab File: BM048049.D

Acq: 15 Oct 2024 05:26

Tgt Ion:252 Resp: 178527

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 24.0  | 17.2  | 25.8  |
| 125 | 14.3  | 10.1  | 15.1  |





#94

Indeno(1,2,3-cd)pyrene

Concen: 1.003 ng/ul

RT: 27.750 min Scan# 41

Delta R.T. 0.006 min

Lab File: BM048049.D

Acq: 15 Oct 2024 05:26

Instrument :

BNA\_M

ClientSampleId :

A4F14

Tgt Ion:276 Resp: 12650

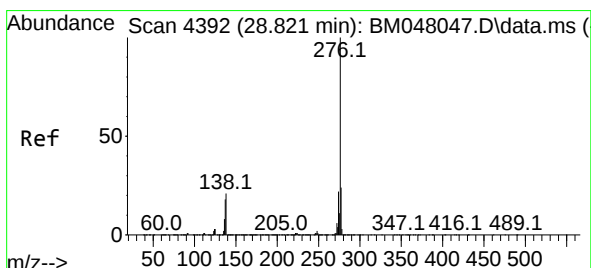
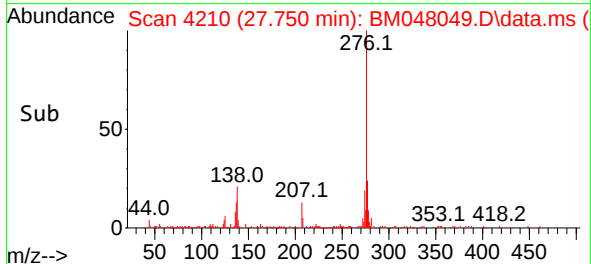
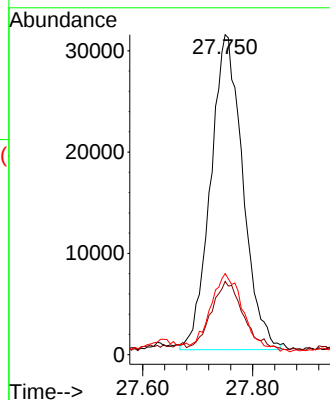
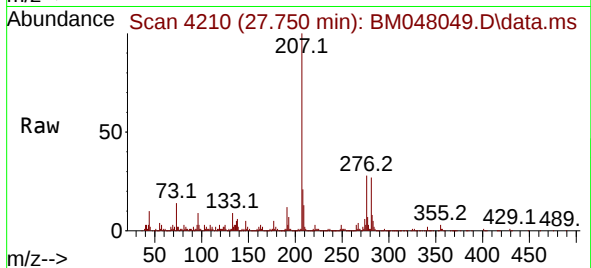
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 22.9  | 16.9  | 25.3  |
| 277 | 25.4  | 18.9  | 28.3  |

Manual Integrations

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Reviewed By :Yogesh Patel 10/16/2024

Supervised By :mohammad ahmed 10/17/2024



#96

Benzo(g,h,i)perylene

Concen: 1.279 ng/ul

RT: 28.809 min Scan# 4390

Delta R.T. 0.018 min

Lab File: BM048049.D

Acq: 15 Oct 2024 05:26

Tgt Ion:276 Resp: 126383

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 22.2  | 18.7  | 28.1  |
| 277 | 23.9  | 18.3  | 27.5  |

