

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012825\  
 Data File : BM049498.D  
 Acq On : 29 Jan 2025 11:03  
 Operator : RC/JU  
 Sample : Q1139-12MEDL 5X  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCZH9MEDL

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 01/29/2025  
 Supervised By :mohammad ahmed 02/05/2025

Quant Time: Jan 30 08:48:48 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM012825.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jan 28 14:45:18 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.510  | 152  | 134290   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.269 | 136  | 477259   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.151 | 164  | 295755   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 16.904 | 188  | 622897   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.133 | 240  | 697491   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.909 | 264  | 771984   | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.116  | 96   | 3299m    | 0.910  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.516  | 84   | 29597    | 2.779  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.710  | 99   | 32365    | 2.970  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.863  | 67   | 27736    | 3.722  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.051  | 132  | 27242    | 3.231  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.234  | 113  | 21628    | 2.709  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.663  | 128  | 10858m   | 2.974  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.375  | 143  | 9622     | 2.416  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.916  | 165  | 19609    | 2.413  | ng/u1  | 0.01     |
| 31) 4-Chloroaniline-d4        | 10.434 | 131  | 26081m   | 2.502  | ng/u1  | 0.01     |
| 46) Dimethylphthalate-d6      | 13.574 | 166  | 77945    | 3.594  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.839 | 160  | 89717    | 3.521  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 0.000  | 143  | 0d       | 0.000  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.151 | 176  | 72507    | 3.802  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 0.000  | 200  | 0d       | 0.000  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.004 | 188  | 122587   | 3.941  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.309 | 212  | 151419   | 3.714  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.721 | 264  | 141931   | 3.447  | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        |        | Qvalue   |
| 52) Acenaphthene              | 14.216 | 153  | 89092    | 4.767  | ng/u1  | 97       |
| 61) Fluorene                  | 15.210 | 166  | 90544    | 4.205  | ng/u1  | 97       |
| 72) Phenanthrene              | 16.945 | 178  | 702181   | 20.026 | ng/u1  | 100      |
| 74) Anthracene                | 17.039 | 178  | 72290    | 2.047  | ng/u1  | 98       |
| 80) Fluoranthene              | 18.974 | 202  | 1058244  | 22.723 | ng/u1  | 99       |
| 82) Pyrene                    | 19.333 | 202  | 700766   | 13.985 | ng/u1  | 99       |
| 85) Benzo(a)anthracene        | 21.121 | 228  | 111398   | 2.274  | ng/u1  | 98       |
| 87) Chrysene                  | 21.174 | 228  | 140021   | 3.077  | ng/u1  | 99       |
| 90) Benzo(b)fluoranthene      | 23.044 | 252  | 76185    | 1.523  | ng/u1# | 97       |
| -----                         |        |      |          |        |        |          |

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

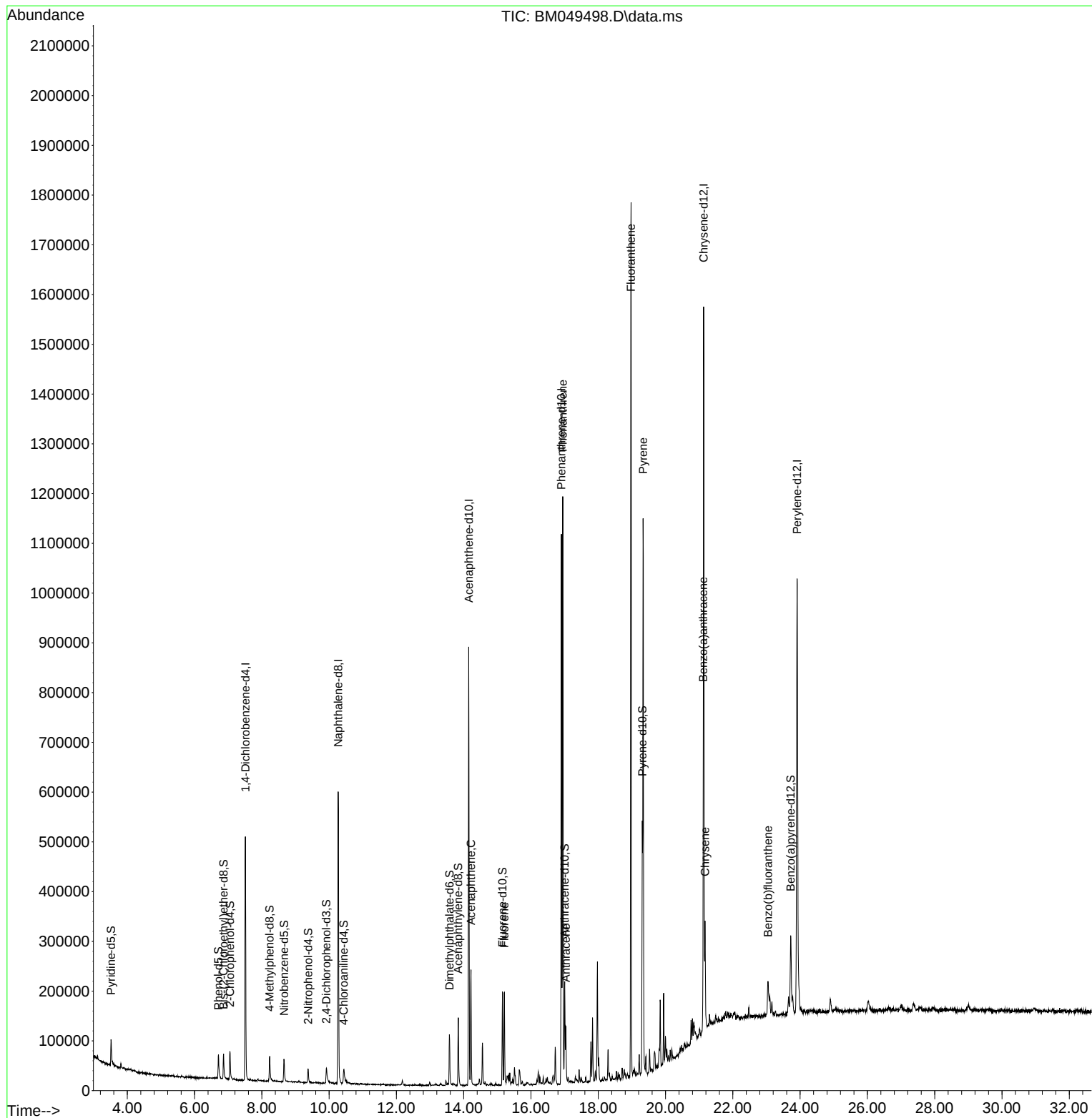
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012825\  
Data File : BM049498.D  
Acq On : 29 Jan 2025 11:03  
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ALS Vial : 30 Sample Multiplier: 1

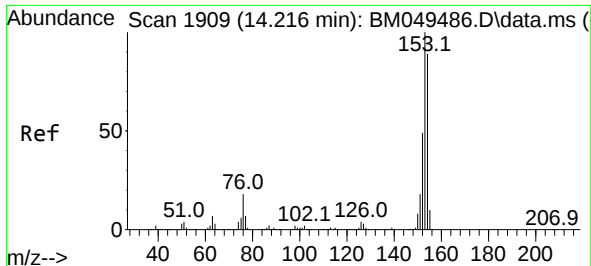
Instrument :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM012825.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jan 28 14:45:18 2025  
Response via : Initial Calibration

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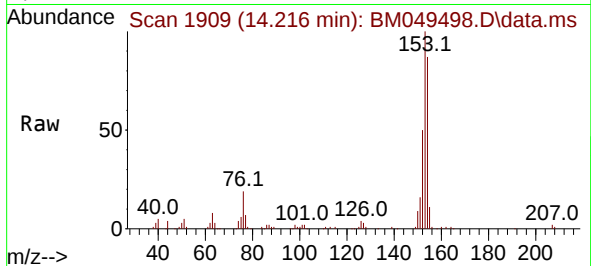
Reviewed By :Jagrut Upadhyay 01/29/2025  
Supervised By :mohammad ahmed 02/05/2025





#52  
Acenaphthene  
Concen: 4.767 ng/u1  
RT: 14.216 min Scan# 1909  
Delta R.T. -0.000 min  
Lab File: BM049498.D  
Acq: 29 Jan 2025 11:03

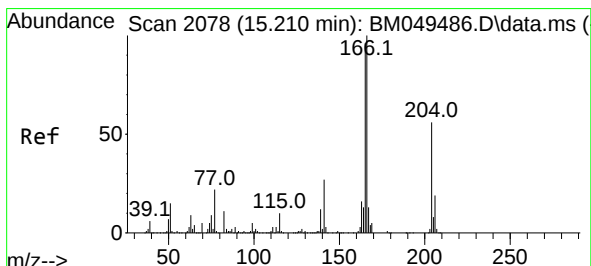
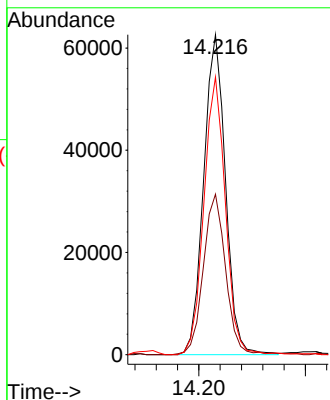
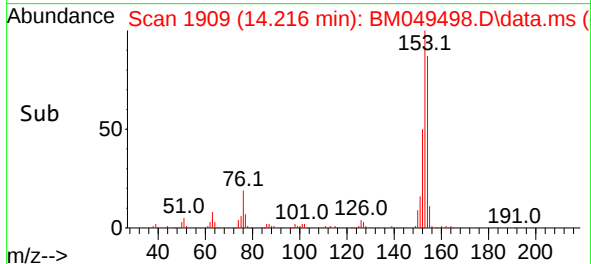
Instrument :  
BNA\_M  
ClientSampleId :  
DCZH9MEDL



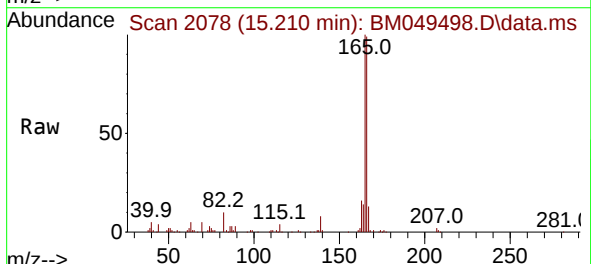
Tgt Ion:153 Resp: 89092  
Ion Ratio Lower Upper  
153 100  
152 50.1 39.0 58.4  
154 86.8 71.5 107.3

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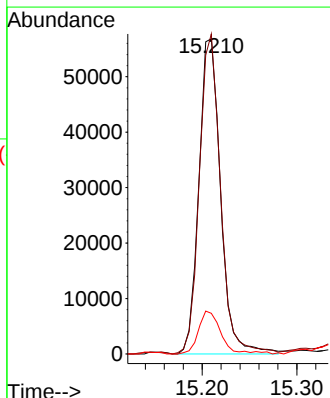
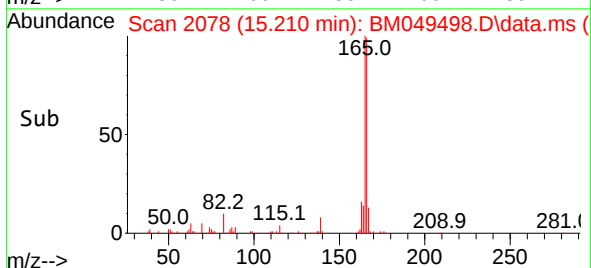
Reviewed By :Jagrut Upadhyay 01/29/2025  
Supervised By :mohammad ahmed 02/05/2025

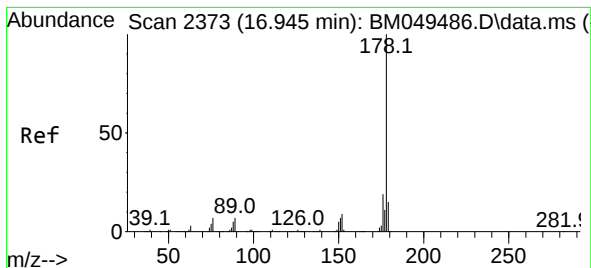


#61  
Fluorene  
Concen: 4.205 ng/u1  
RT: 15.210 min Scan# 2078  
Delta R.T. -0.000 min  
Lab File: BM049498.D  
Acq: 29 Jan 2025 11:03



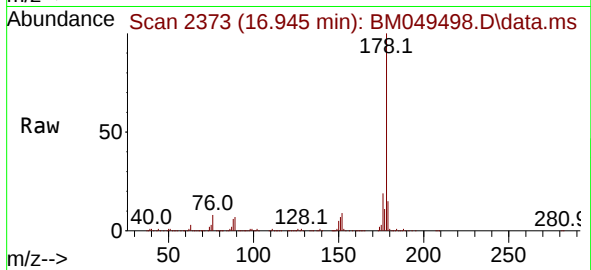
Tgt Ion:166 Resp: 90544  
Ion Ratio Lower Upper  
166 100  
165 101.5 78.5 117.7  
167 12.9 10.7 16.1





#72  
Phenanthrene  
Concen: 20.026 ng/u1  
RT: 16.945 min Scan# 2373  
Delta R.T. -0.000 min  
Lab File: BM049498.D  
Acq: 29 Jan 2025 11:03

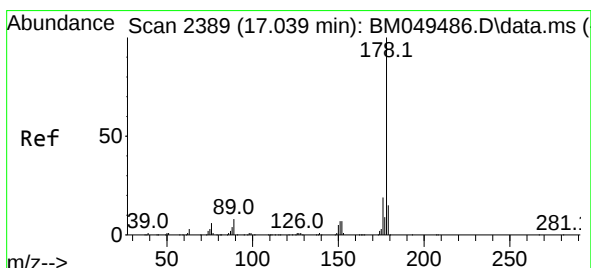
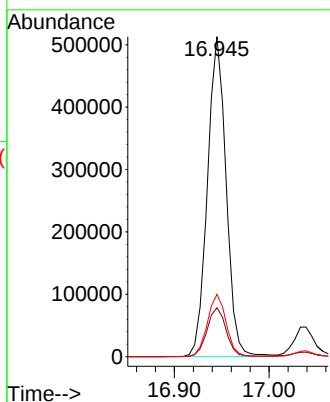
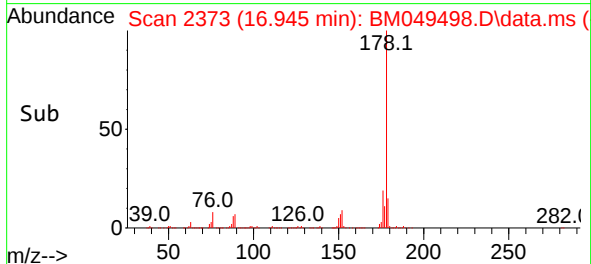
Instrument :  
BNA\_M  
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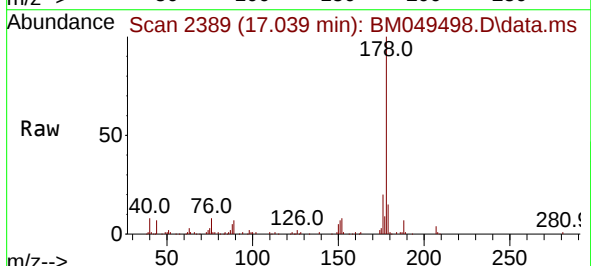
Tgt Ion:178 Resp: 70218  
Ion Ratio Lower Upper  
178 100  
179 15.3 12.4 18.6  
176 19.5 15.6 23.4

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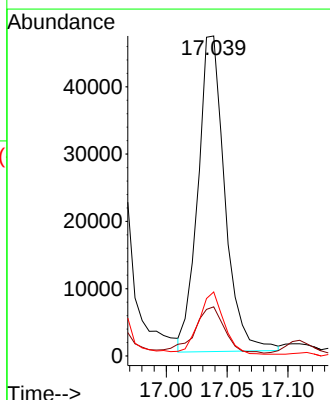
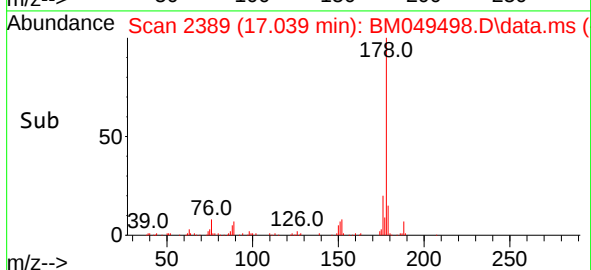
Reviewed By :Jagrut Upadhyay 01/29/2025  
Supervised By :mohammad ahmed 02/05/2025

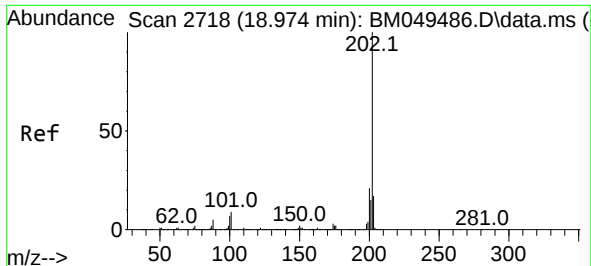


#74  
Anthracene  
Concen: 2.047 ng/u1  
RT: 17.039 min Scan# 2389  
Delta R.T. -0.000 min  
Lab File: BM049498.D  
Acq: 29 Jan 2025 11:03



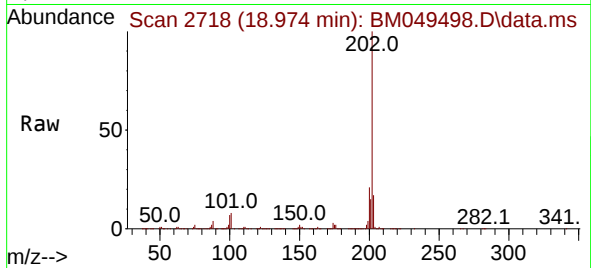
Tgt Ion:178 Resp: 72290  
Ion Ratio Lower Upper  
178 100  
179 15.3 12.2 18.4  
176 20.0 15.0 22.4





#80  
Fluoranthene  
Concen: 22.723 ng/ul  
RT: 18.974 min Scan# 2718  
Delta R.T. -0.000 min  
Lab File: BM049498.D  
Acq: 29 Jan 2025 11:03

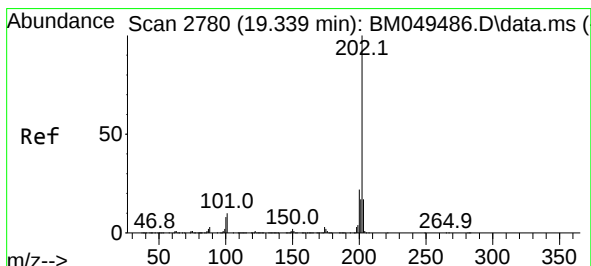
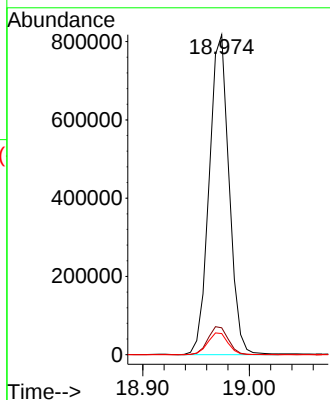
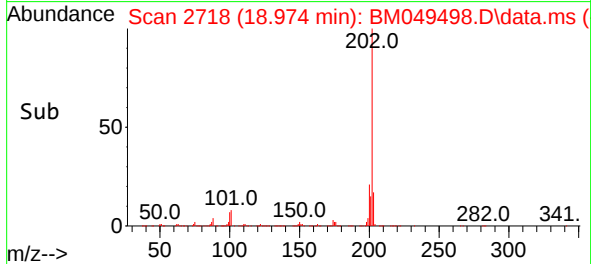
Instrument :  
BNA\_M  
ClientSampleId :  
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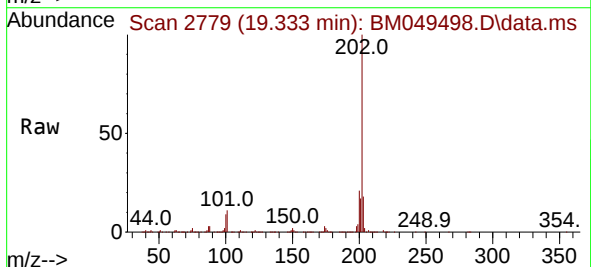
Tgt Ion:202 Resp: 1058244  
Ion Ratio Lower Upper  
202 100  
101 8.4 6.9 10.3  
100 6.6 5.1 7.7

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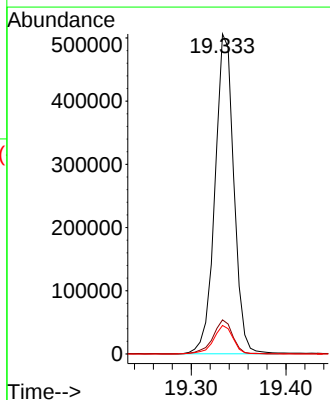
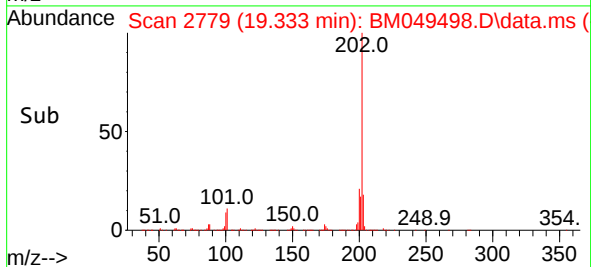
Reviewed By :Jagrut Upadhyay 01/29/2025  
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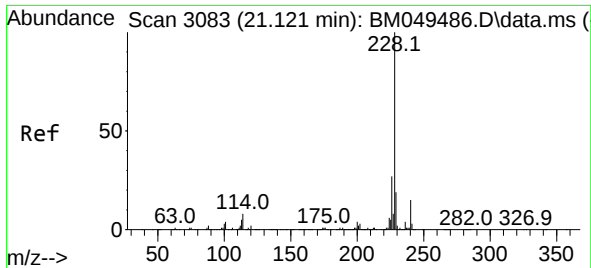


#82  
Pyrene  
Concen: 13.985 ng/ul  
RT: 19.333 min Scan# 2779  
Delta R.T. -0.006 min  
Lab File: BM049498.D  
Acq: 29 Jan 2025 11:03



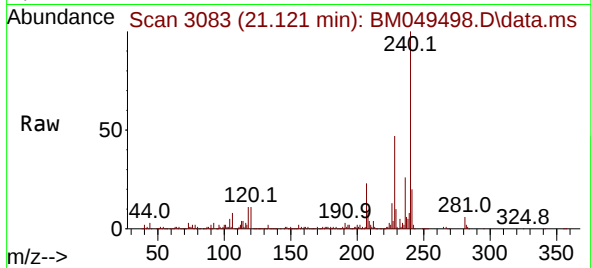
Tgt Ion:202 Resp: 700766  
Ion Ratio Lower Upper  
202 100  
101 10.7 8.3 12.5  
100 8.9 6.6 9.8





#85  
Benzo(a)anthracene  
Concen: 2.274 ng/u1  
RT: 21.121 min Scan# 3083  
Delta R.T. 0.006 min  
Lab File: BM049498.D  
Acq: 29 Jan 2025 11:03

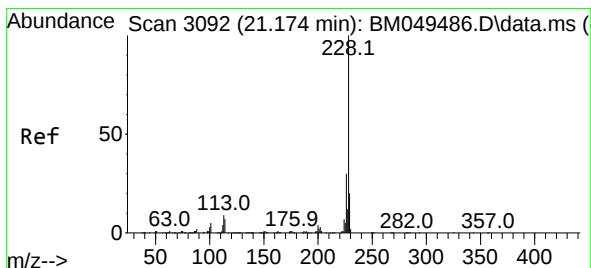
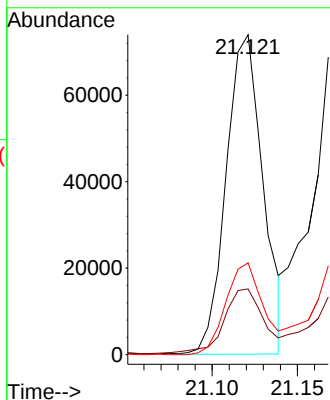
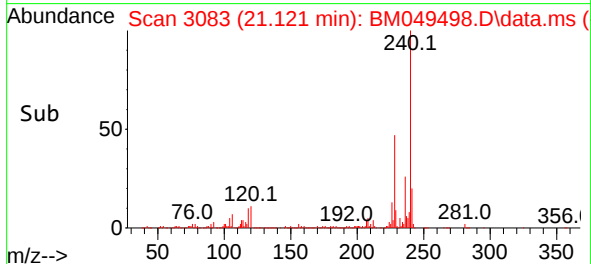
Instrument :  
BNA\_M  
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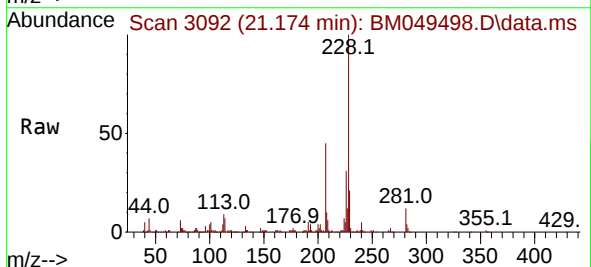
Tgt Ion:228 Resp: 111398  
Ion Ratio Lower Upper  
228 100  
229 20.6 15.7 23.5  
226 28.7 22.1 33.1

Manual Integrations  
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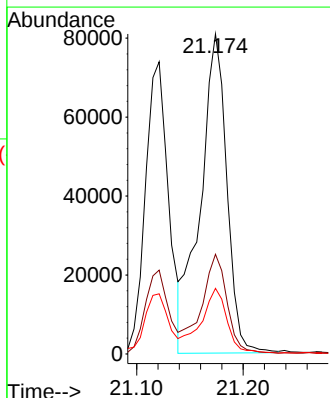
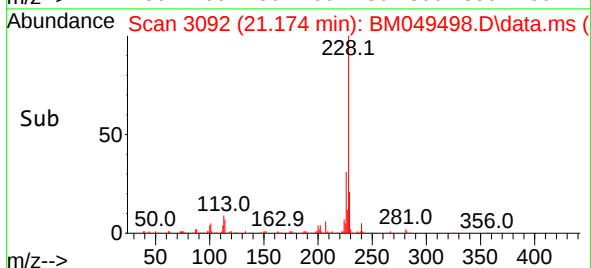
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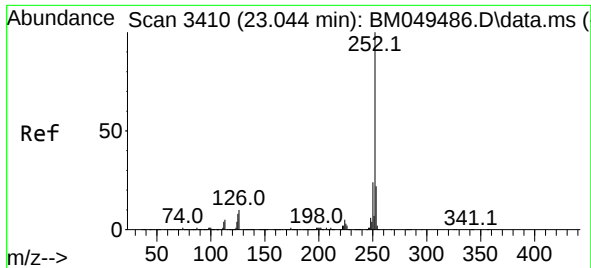


#87  
Chrysene  
Concen: 3.077 ng/u1  
RT: 21.174 min Scan# 3092  
Delta R.T. -0.000 min  
Lab File: BM049498.D  
Acq: 29 Jan 2025 11:03



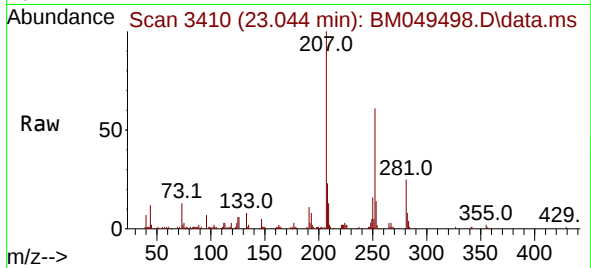
Tgt Ion:228 Resp: 140021  
Ion Ratio Lower Upper  
228 100  
226 31.2 24.6 37.0  
229 20.5 15.9 23.9





#90  
Benzo(b)fluoranthene  
Concen: 1.523 ng/ul  
RT: 23.044 min Scan# 3410  
Delta R.T. -0.000 min  
Lab File: BM049498.D  
Acq: 29 Jan 2025 11:03

Instrument :  
BNA\_M  
ClientSampleId :  
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Tgt Ion:252 Resp: 76185  
Ion Ratio Lower Upper  
252 100  
253 22.8 17.6 26.4  
125 10.5 6.3 9.5

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