

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012225\  
 Data File : BM049431.D  
 Acq On : 23 Jan 2025 23:19  
 Operator : RC/JU  
 Sample : Q1139-09DL2 30X  
 Misc :  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCZH6DL2

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 01/24/2025  
 Supervised By :mohammad ahmed 01/24/2025

Quant Time: Jan 24 00:06:09 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM011325.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jan 13 16:56:06 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.516  | 152  | 259443   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.275 | 136  | 918692   | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.157 | 164  | 569765   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 16.910 | 188  | 1087201  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.133 | 240  | 985295   | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 23.915 | 264  | 964650   | 20.000 | ng/u1  | -0.02    |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 0.000  | 96   | 0d       | 0.000  | ng/uL  |          |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/u1  |          |
| 7) Phenol-d5                  | 6.716  | 99   | 6755m    | 0.310  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.869  | 67   | 6495     | 0.448  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.057  | 132  | 6630     | 0.398  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.239  | 113  | 5049m    | 0.299  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.675  | 128  | 2292     | 0.327  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.392  | 143  | 2114     | 0.270  | ng/u1  | 0.01     |
| 28) 2,4-Dichlorophenol-d3     | 9.934  | 165  | 5984m    | 0.374  | ng/u1  | 0.02     |
| 31) 4-Chloroaniline-d4        | 0.000  | 131  | 0d       | 0.000  | ng/u1  |          |
| 46) Dimethylphthalate-d6      | 13.580 | 166  | 23899    | 0.564  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.845 | 160  | 22922    | 0.473  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 0.000  | 143  | 0d       | 0.000  | ng/u1  |          |
| 60) Fluorene-d10              | 15.157 | 176  | 19261    | 0.526  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 0.000  | 200  | 0d       | 0.000  | ng/u1  |          |
| 73) Anthracene-d10            | 17.004 | 188  | 32327    | 0.601  | ng/u1  | -0.01    |
| 81) Pyrene-d10                | 19.309 | 212  | 25387    | 0.423  | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 23.721 | 264  | 12829    | 0.248  | ng/u1  | -0.02    |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 30) Naphthalene               | 10.328 | 128  | 146335   | 3.001  | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 11.951 | 142  | 105067   | 3.011  | ng/u1  | 96       |
| 37) 1-Methylnaphthalene       | 12.169 | 142  | 78335    | 2.257  | ng/u1  | 99       |
| 52) Acenaphthene              | 14.221 | 153  | 441200   | 12.442 | ng/u1  | 99       |
| 61) Fluorene                  | 15.210 | 166  | 812731   | 19.754 | ng/u1  | 100      |
| 71) Pentachlorophenol         | 16.568 | 266  | 17206    | 1.806  | ng/u1  | 96       |
| 72) Phenanthrene              | 16.951 | 178  | 3181147  | 52.632 | ng/u1  | 99       |
| 74) Anthracene                | 17.045 | 178  | 3591602  | 59.201 | ng/u1  | 100      |
| 80) Fluoranthene              | 18.974 | 202  | 1652693  | 23.986 | ng/u1  | 99       |
| 82) Pyrene                    | 19.339 | 202  | 887567   | 12.101 | ng/u1  | 99       |
| 85) Benzo(a)anthracene        | 21.121 | 228  | 266088   | 3.875  | ng/u1  | 99       |
| 87) Chrysene                  | 21.174 | 228  | 284535   | 4.539  | ng/u1  | 98       |
| 90) Benzo(b)fluoranthene      | 23.044 | 252  | 198496   | 3.074  | ng/u1  | 99       |
| 91) Benzo(k)fluoranthene      | 23.091 | 252  | 76874m   | 1.194  | ng/u1  |          |

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

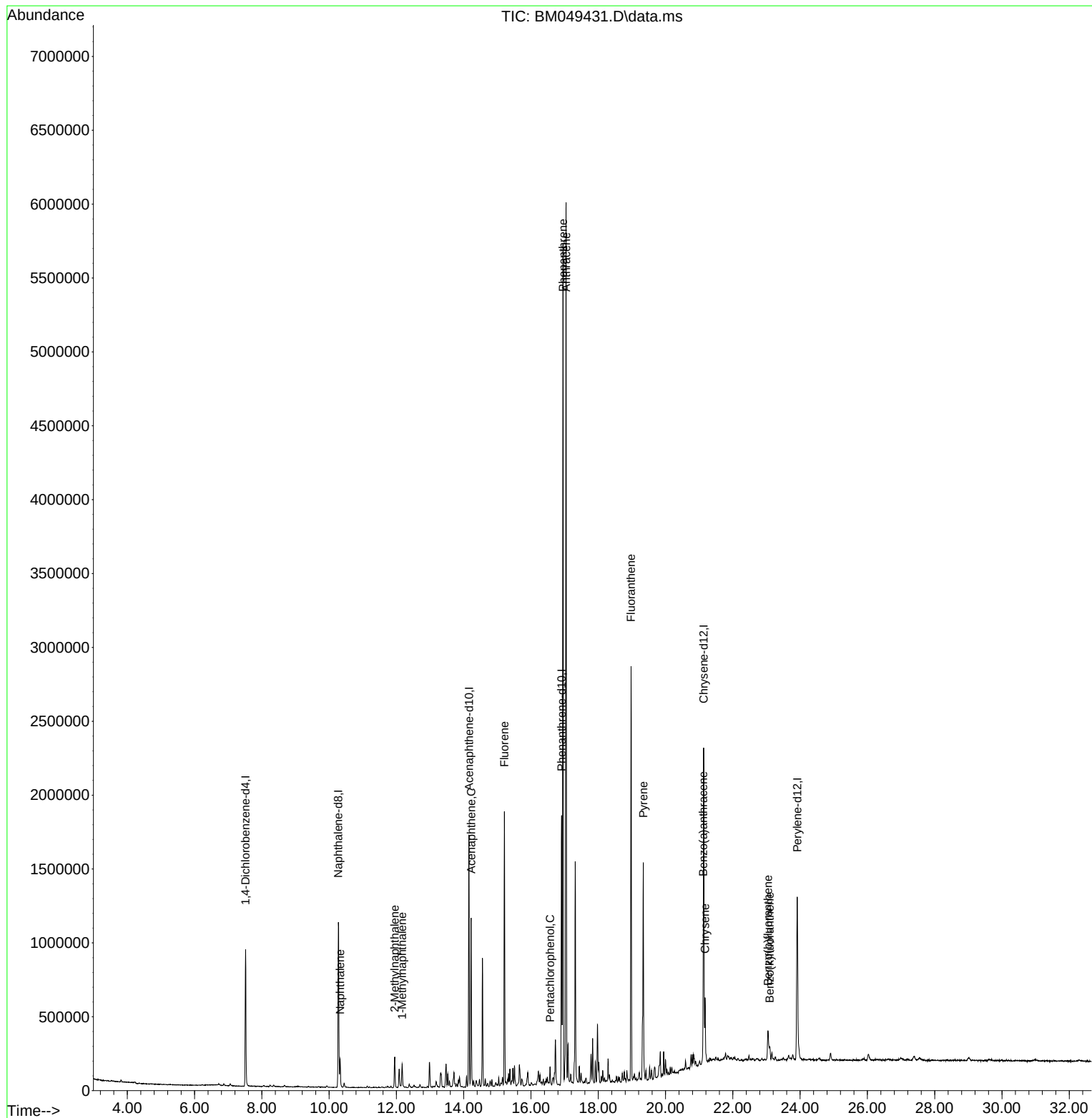
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012225\  
Data File : BM049431.D  
Acq On : 23 Jan 2025 23:19  
Operator : RC/JU  
Sample : Q1139-09DL2 30X  
Misc :  
ALS Vial : 54 Sample Multiplier: 1

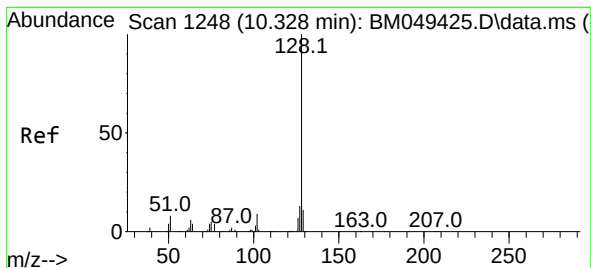
Instrument :  
BNA\_M  
ClientSampleId :  
DCZH6DL2

Quant Time: Jan 24 00:06:09 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM011325.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jan 13 16:56:06 2025  
Response via : Initial Calibration

Manual Integrations  
APPROVED

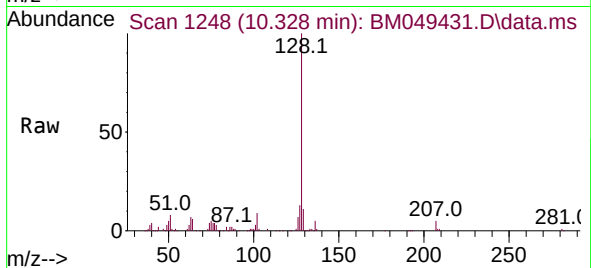
Reviewed By :Yogesh Patel 01/24/2025  
Supervised By :mohammad ahmed 01/24/2025





#30  
Naphthalene  
Concen: 3.001 ng/ul  
RT: 10.328 min Scan# 1248  
Delta R.T. -0.006 min  
Lab File: BM049431.D  
Acq: 23 Jan 2025 23:19

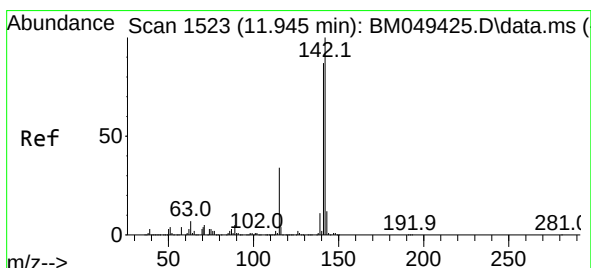
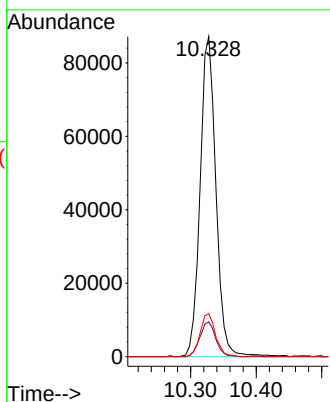
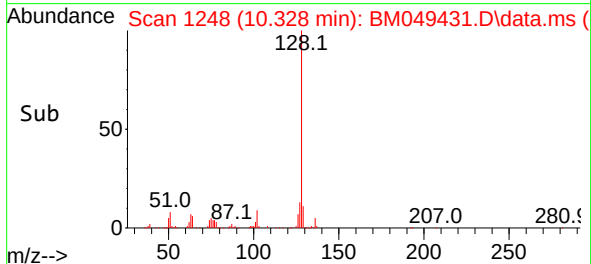
Instrument :  
BNA\_M  
ClientSampleId :  
DCZH6DL2



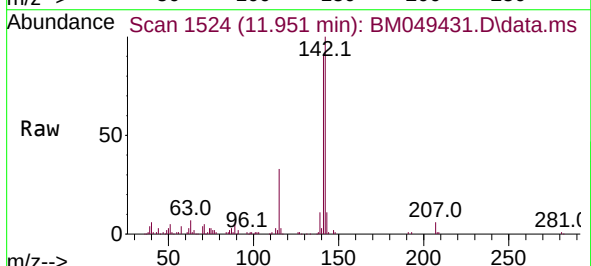
Tgt Ion:128 Resp: 146335  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.5 12.7  
127 13.4 10.2 15.2

Manual Integrations  
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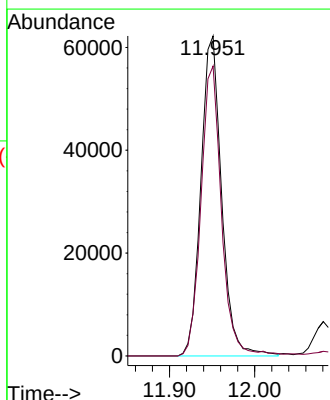
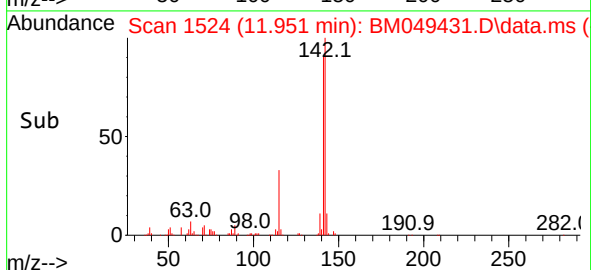
Reviewed By :Yogesh Patel 01/24/2025  
Supervised By :mohammad ahmed 01/24/2025

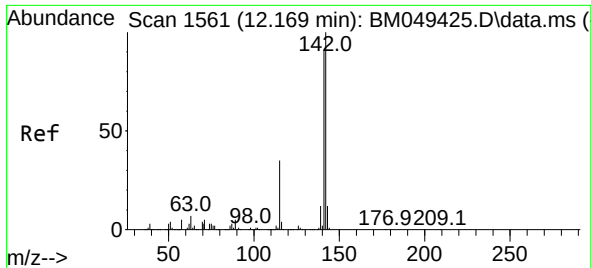


#36  
2-Methylnaphthalene  
Concen: 3.011 ng/ul  
RT: 11.951 min Scan# 1524  
Delta R.T. -0.006 min  
Lab File: BM049431.D  
Acq: 23 Jan 2025 23:19



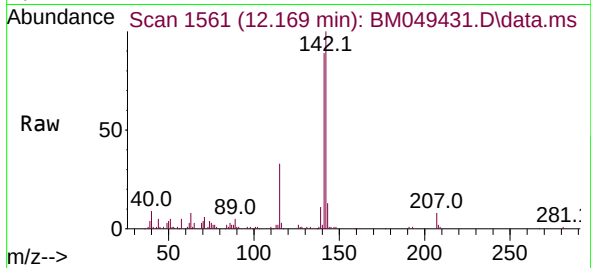
Tgt Ion:142 Resp: 105067  
Ion Ratio Lower Upper  
142 100  
141 90.6 69.6 104.4





#37  
1-Methylnaphthalene  
Concen: 2.257 ng/ul  
RT: 12.169 min Scan# 1561  
Delta R.T. -0.012 min  
Lab File: BM049431.D  
Acq: 23 Jan 2025 23:19

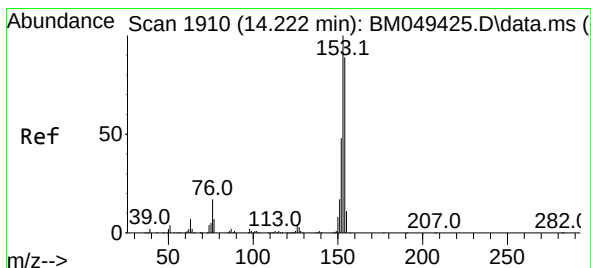
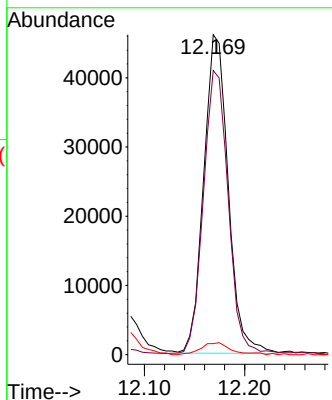
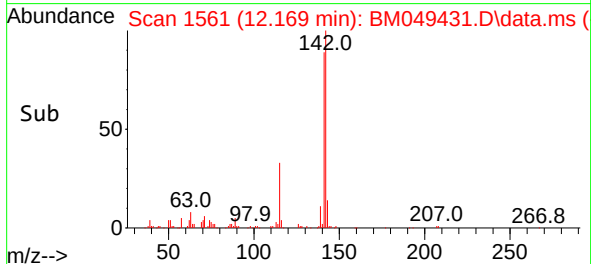
Instrument :  
BNA\_M  
ClientSampleId :  
DCZH6DL2



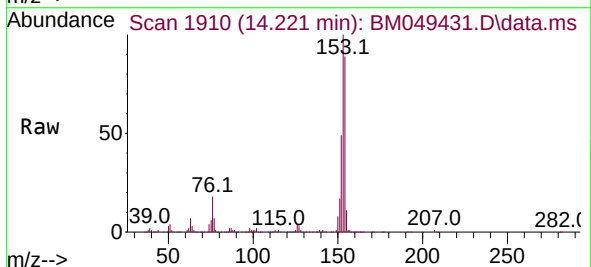
Tgt Ion:142 Resp: 78335  
Ion Ratio Lower Upper  
142 100  
141 88.8 71.9 107.9  
116 3.5 2.8 4.2

Manual Integrations  
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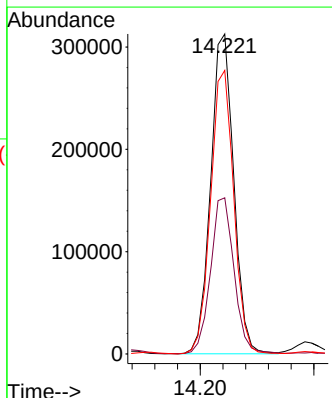
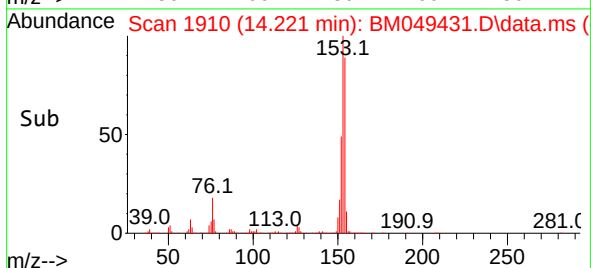
Reviewed By :Yogesh Patel 01/24/2025  
Supervised By :mohammad ahmed 01/24/2025

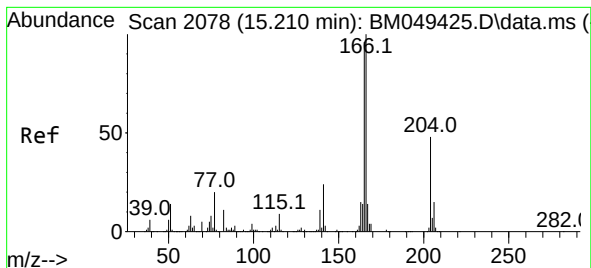


#52  
Acenaphthene  
Concen: 12.442 ng/ul  
RT: 14.221 min Scan# 1910  
Delta R.T. -0.006 min  
Lab File: BM049431.D  
Acq: 23 Jan 2025 23:19



Tgt Ion:153 Resp: 441200  
Ion Ratio Lower Upper  
153 100  
152 48.8 39.0 58.6  
154 88.6 71.6 107.4





#61

Fluorene

Concen: 19.754 ng/ul

RT: 15.210 min Scan# 2078

Delta R.T. -0.012 min

Lab File: BM049431.D

Acq: 23 Jan 2025 23:19

Instrument :

BNA\_M

ClientSampleId :

DCZH6DL2

Tgt Ion:166 Resp: 81273

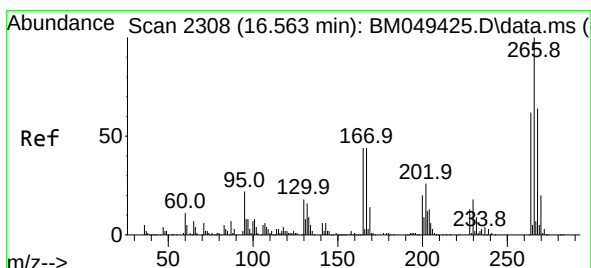
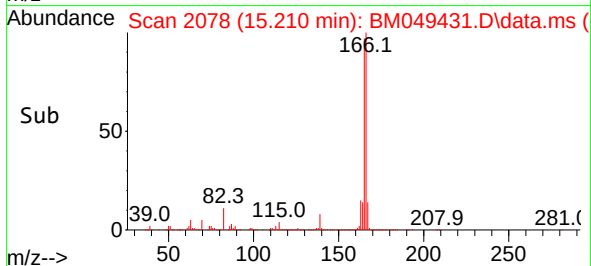
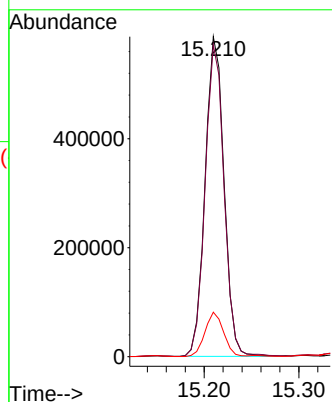
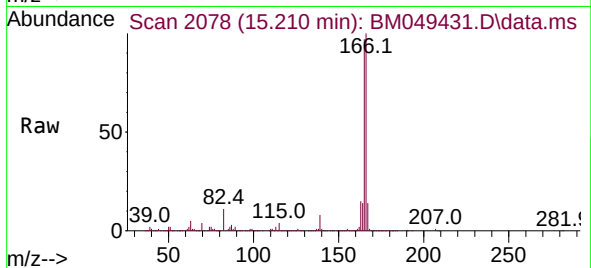
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 166 | 100   |       |       |
| 165 | 97.4  | 77.7  | 116.5 |
| 167 | 13.9  | 10.7  | 16.1  |

Manual Integrations

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Reviewed By :Yogesh Patel 01/24/2025

Supervised By :mohammad ahmed 01/24/2025



#71

Pentachlorophenol

Concen: 1.806 ng/ul

RT: 16.568 min Scan# 2309

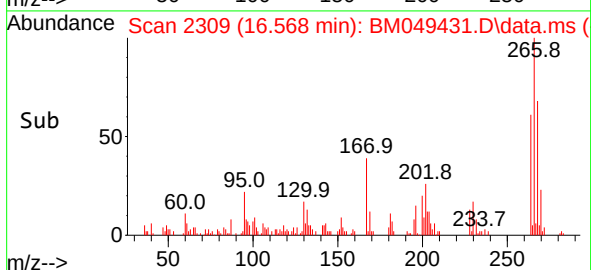
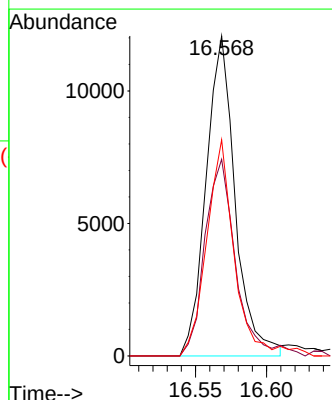
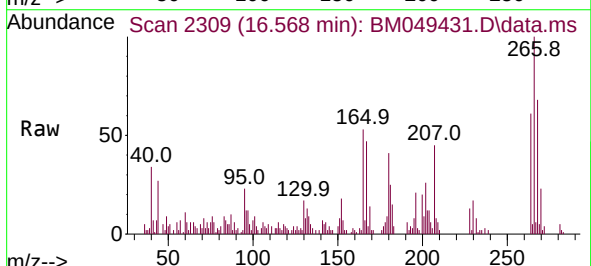
Delta R.T. -0.006 min

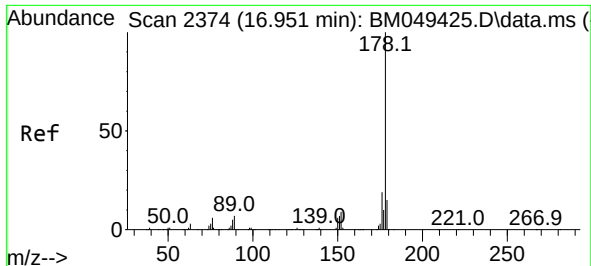
Lab File: BM049431.D

Acq: 23 Jan 2025 23:19

Tgt Ion:266 Resp: 17206

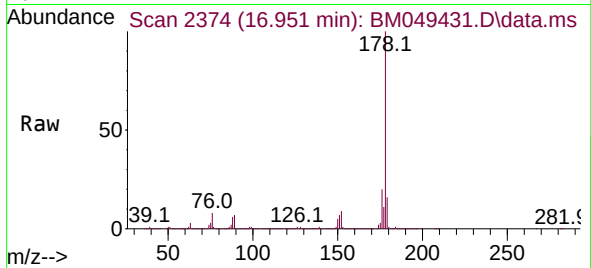
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 266 | 100   |       |       |
| 264 | 61.4  | 48.6  | 72.8  |
| 268 | 67.6  | 49.4  | 74.0  |





#72  
Phenanthrene  
Concen: 52.632 ng/u1  
RT: 16.951 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BM049431.D  
Acq: 23 Jan 2025 23:19

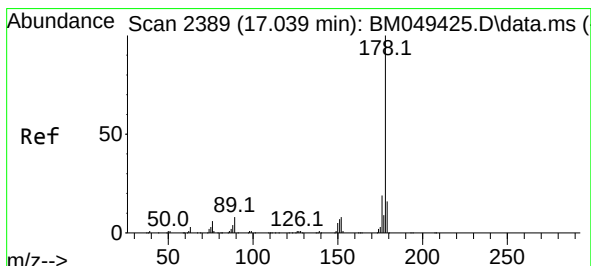
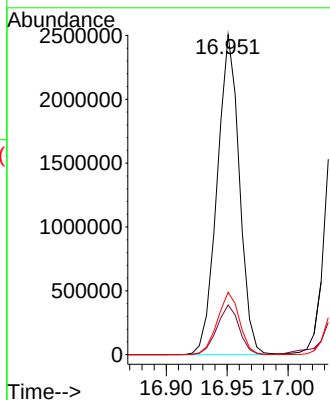
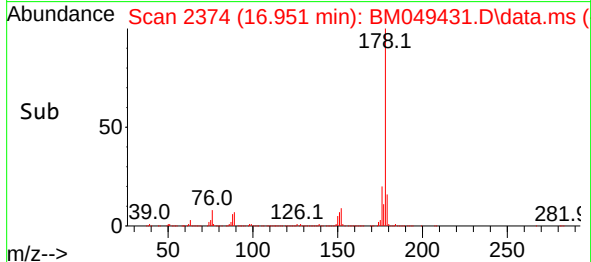
Instrument :  
BNA\_M  
ClientSampleId :  
DCZH6DL2



Tgt Ion:178 Resp: 318114  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.6 19.0  
176 19.5 15.4 23.2

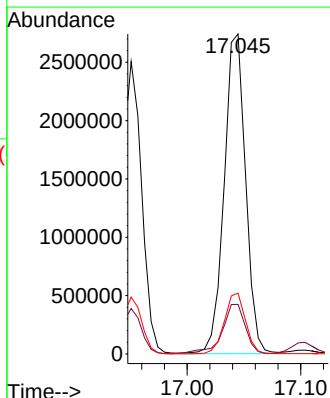
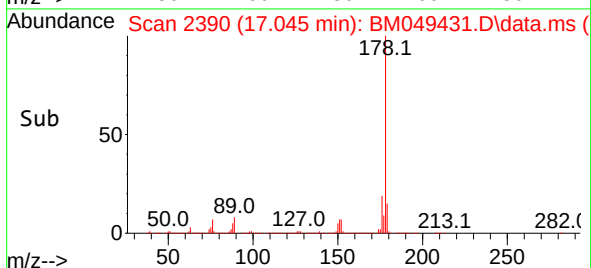
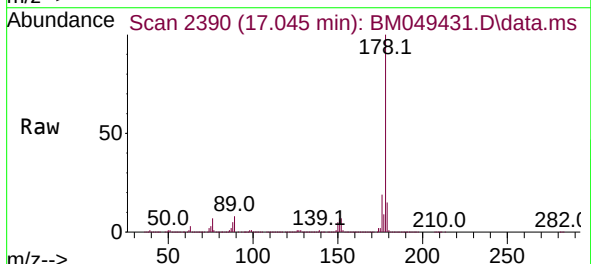
Manual Integrations  
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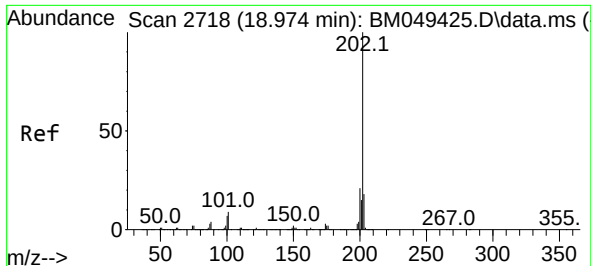
Reviewed By :Yogesh Patel 01/24/2025  
Supervised By :mohammad ahmed 01/24/2025



#74  
Anthracene  
Concen: 59.201 ng/u1  
RT: 17.045 min Scan# 2390  
Delta R.T. -0.006 min  
Lab File: BM049431.D  
Acq: 23 Jan 2025 23:19

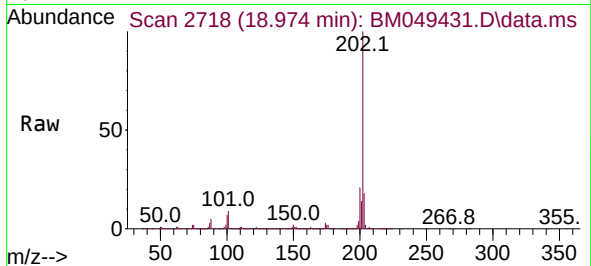
Tgt Ion:178 Resp: 3591602  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.5 18.7  
176 19.0 15.1 22.7





#80  
Fluoranthene  
Concen: 23.986 ng/ul  
RT: 18.974 min Scan# 2718  
Delta R.T. -0.012 min  
Lab File: BM049431.D  
Acq: 23 Jan 2025 23:19

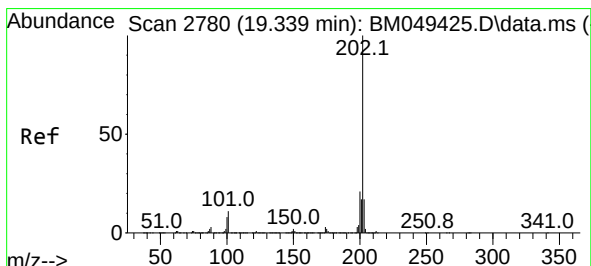
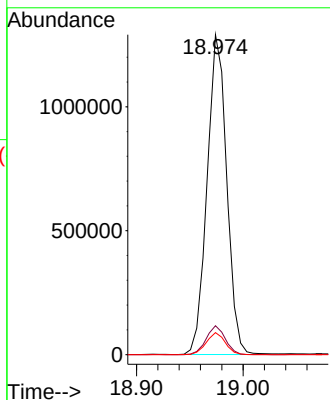
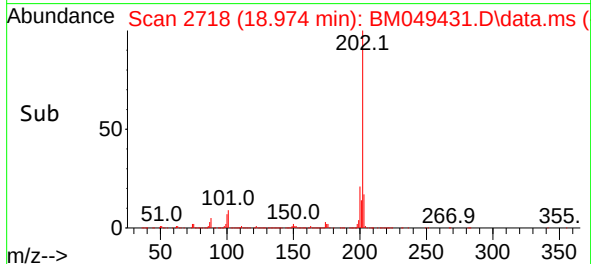
Instrument :  
BNA\_M  
ClientSampleId :  
DCZH6DL2



Tgt Ion:202 Resp: 165269  
Ion Ratio Lower Upper  
202 100  
101 9.1 7.0 10.4  
100 6.9 5.0 7.6

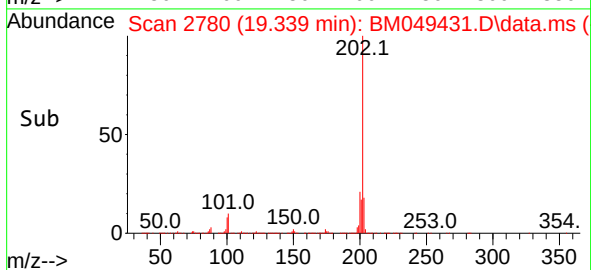
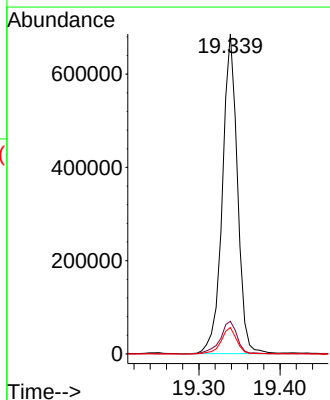
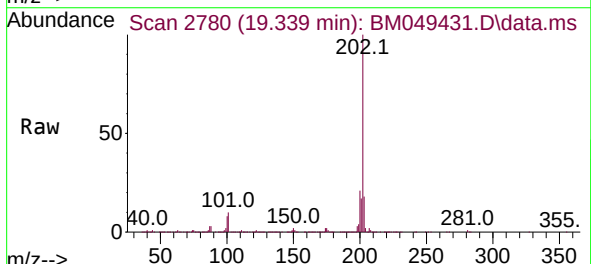
Manual Integrations  
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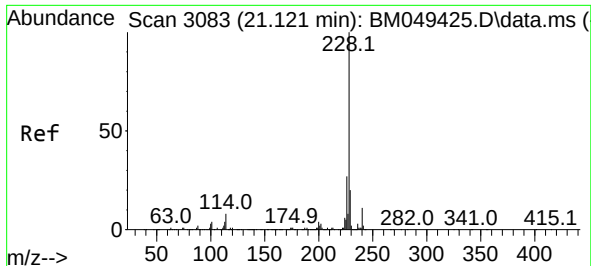
Reviewed By :Yogesh Patel 01/24/2025  
Supervised By :mohammad ahmed 01/24/2025



#82  
Pyrene  
Concen: 12.101 ng/ul  
RT: 19.339 min Scan# 2780  
Delta R.T. -0.012 min  
Lab File: BM049431.D  
Acq: 23 Jan 2025 23:19

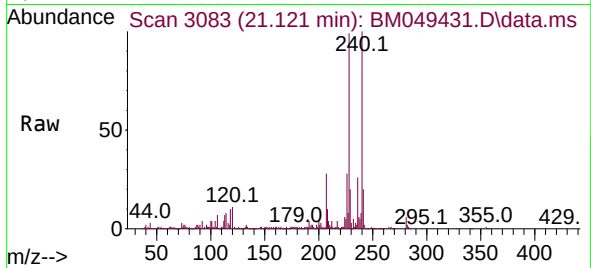
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Ion Ratio Lower Upper  
202 100  
101 10.2 7.8 11.8  
100 8.3 6.6 10.0





#85  
Benzo(a)anthracene  
Concen: 3.875 ng/u1  
RT: 21.121 min Scan# 3083  
Delta R.T. -0.012 min  
Lab File: BM049431.D  
Acq: 23 Jan 2025 23:19

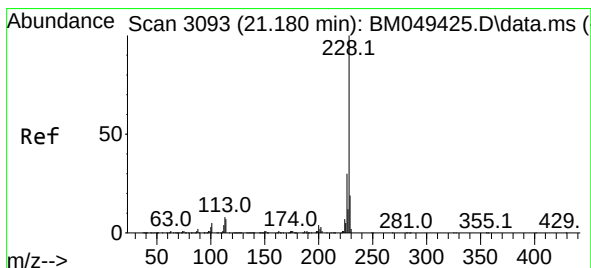
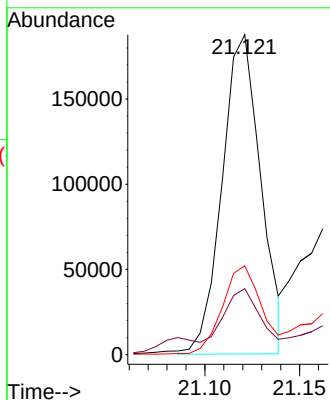
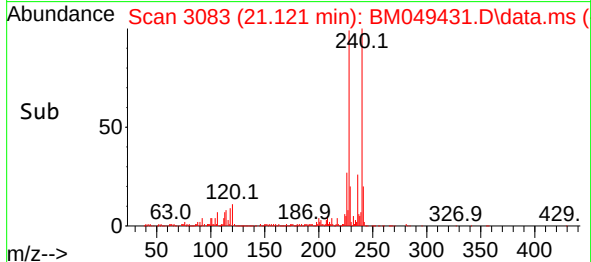
Instrument :  
BNA\_M  
ClientSampleId :  
DCZH6DL2



Tgt Ion:228 Resp: 266088  
Ion Ratio Lower Upper  
228 100  
229 20.7 15.8 23.6  
226 27.8 22.1 33.1

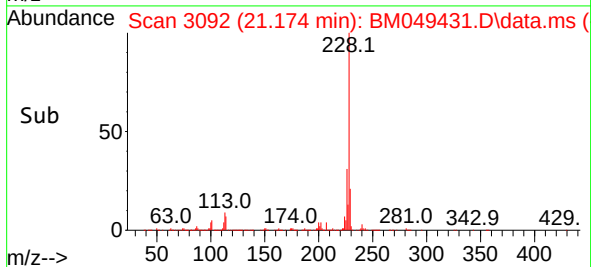
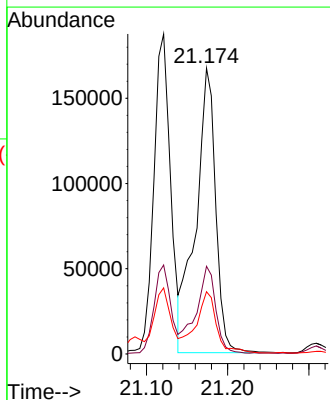
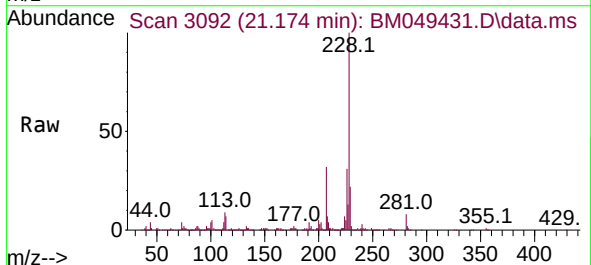
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/24/2025  
Supervised By :mohammad ahmed 01/24/2025

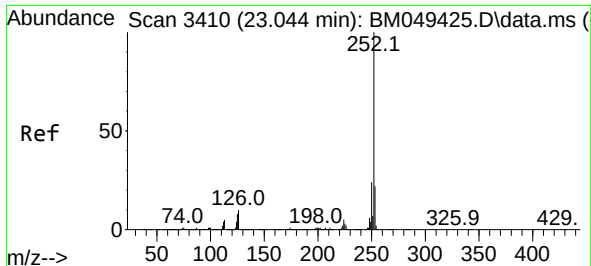


#87  
Chrysene  
Concen: 4.539 ng/u1  
RT: 21.174 min Scan# 3092  
Delta R.T. -0.012 min  
Lab File: BM049431.D  
Acq: 23 Jan 2025 23:19

Tgt Ion:228 Resp: 284535  
Ion Ratio Lower Upper  
228 100  
226 30.7 24.3 36.5  
229 21.8 16.0 24.0

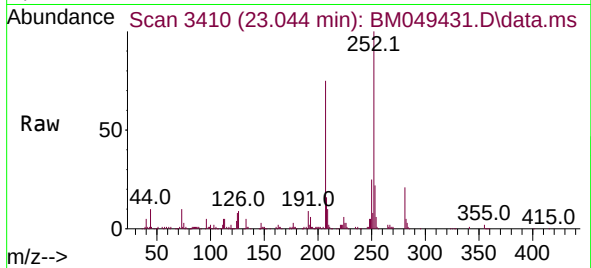






#90  
Benzo(b)fluoranthene  
Concen: 3.074 ng/ul  
RT: 23.044 min Scan# 3410  
Delta R.T. -0.012 min  
Lab File: BM049431.D  
Acq: 23 Jan 2025 23:19

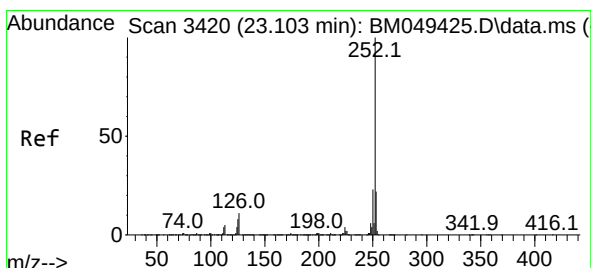
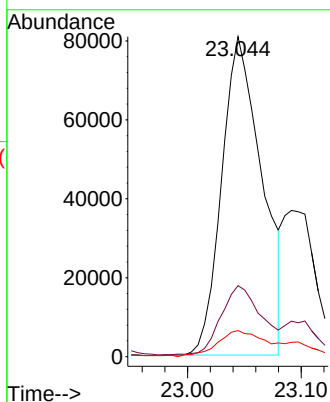
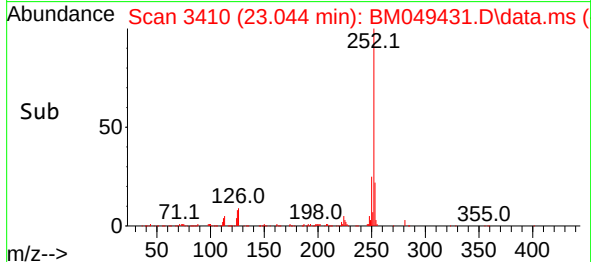
Instrument :  
BNA\_M  
ClientSampleId :  
DCZH6DL2



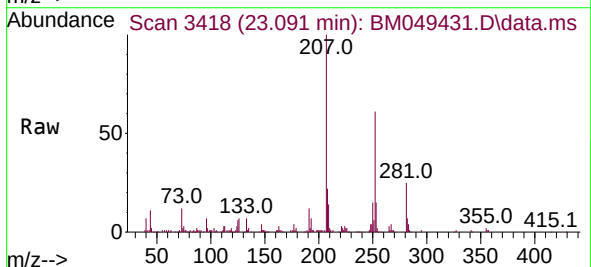
Tgt Ion:252 Resp: 198490  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.4 26.2  
125 8.1 6.6 9.8

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/24/2025  
Supervised By :mohammad ahmed 01/24/2025



#91  
Benzo(k)fluoranthene  
Concen: 1.194 ng/ul m  
RT: 23.091 min Scan# 3418  
Delta R.T. -0.023 min  
Lab File: BM049431.D  
Acq: 23 Jan 2025 23:19



Tgt Ion:252 Resp: 76874  
Ion Ratio Lower Upper  
252 100  
253 24.3 17.6 26.4  
125 9.9 6.5 9.7#

