

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM091124\  
 Data File : BM047487.D  
 Acq On : 11 Sep 2024 18:38  
 Operator : RC/JU  
 Sample : P3878-11  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCVY9

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 09/12/2024  
 Supervised By :mohammad ahmed 09/13/2024

Quant Time: Sep 12 01:52:45 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM091024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 11 00:35:12 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response  | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|-----------|----------|--------|----------|
| -----                         |        |      |           |          |        |          |
| Internal Standards            |        |      |           |          |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.869  | 152  | 741255    | 20.000   | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.669 | 136  | 3327962   | 20.000   | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.498 | 164  | 1971981   | 20.000   | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.251 | 188  | 3611472   | 20.000   | ng/u1  | 0.01     |
| 79) Chrysene-d12              | 21.462 | 240  | 2781708   | 20.000   | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.509 | 264  | 2602368   | 20.000   | ng/u1  | -0.01    |
|                               |        |      |           |          |        |          |
| System Monitoring Compounds   |        |      |           |          |        |          |
| 3) 1,4-Dioxane-d8             | 3.305  | 96   | 38038     | 2.070    | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.710  | 84   | 538126    | 9.164    | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.022  | 99   | 903058    | 12.997   | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.198  | 67   | 559687    | 12.941   | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.398  | 132  | 709929    | 13.415   | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.563  | 113  | 853780    | 15.633   | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.022  | 128  | 353768    | 13.765   | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.745  | 143  | 348955    | 14.372   | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.281 | 165  | 708041    | 14.342   | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.792 | 131  | 1025909   | 12.697   | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.910 | 166  | 2190724   | 15.114   | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.192 | 160  | 2615165   | 14.952   | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.674 | 143  | 351282    | 12.232   | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.492 | 176  | 1896094   | 15.139   | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.598 | 200  | 150672    | 7.892    | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.345 | 188  | 2820571   | 16.219   | ng/u1  | 0.01     |
| 81) Pyrene-d10                | 19.621 | 212  | 3047464   | 18.798   | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.297 | 264  | 2254687   | 16.304   | ng/u1  | -0.01    |
|                               |        |      |           |          |        |          |
| Target Compounds              |        |      |           |          | Qvalue |          |
| 30) Naphthalene               | 10.716 | 128  | 689538    | 3.761    | ng/u1# | 95       |
| 36) 2-Methylnaphthalene       | 12.327 | 142  | 2349184   | 18.639   | ng/u1  | 100      |
| 37) 1-Methylnaphthalene       | 12.545 | 142  | 1491508   | 11.713   | ng/u1  | 99       |
| 43) 1,1'-Biphenyl             | 13.333 | 154  | 185878    | 1.196    | ng/u1  | 90       |
| 52) Acenaphthene              | 14.563 | 153  | 159177    | 1.185    | ng/u1# | 92       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.127 | 232  | 4454107   | 148.250  | ng/u1  | 95       |
| 61) Fluorene                  | 15.545 | 166  | 379723    | 2.492    | ng/u1# | 88       |
| 71) Pentachlorophenol         | 16.927 | 266  | 31519894m | 1173.168 | ng/u1  |          |
| 72) Phenanthrene              | 17.292 | 178  | 2440982   | 11.848   | ng/u1  | 97       |
| 80) Fluoranthene              | 19.286 | 202  | 251536    | 1.316    | ng/u1# | 89       |
| 82) Pyrene                    | 19.645 | 202  | 315730    | 1.550    | ng/u1# | 83       |
| 86) Bis(2-ethylhexyl)phtha... | 21.380 | 149  | 238662    | 1.693    | ng/u1# | 94       |
| -----                         |        |      |           |          |        |          |

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

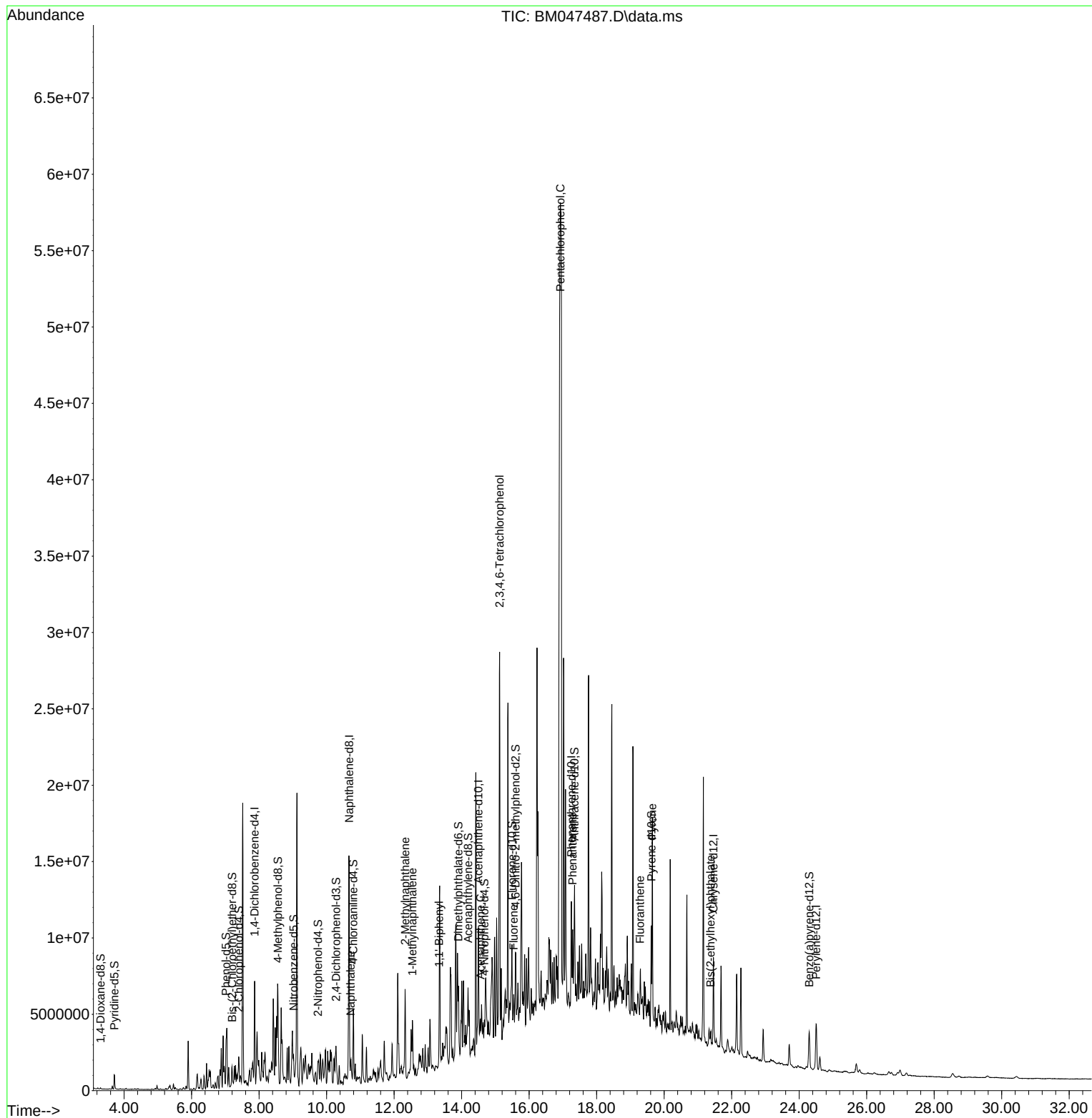
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM091124\  
Data File : BM047487.D  
Acq On : 11 Sep 2024 18:38  
Operator : RC/JU  
Sample : P3878-11  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

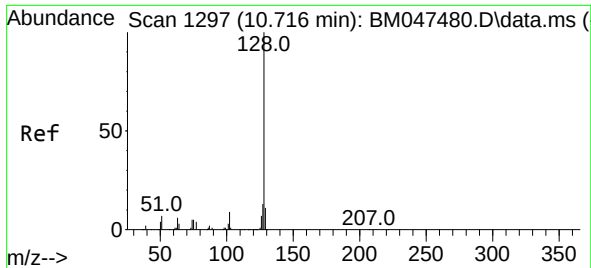
Instrument :  
BNA\_M  
ClientSampleId :  
DCVY9

Quant Time: Sep 12 01:52:45 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM091024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 11 00:35:12 2024  
Response via : Initial Calibration

Manual Integrations  
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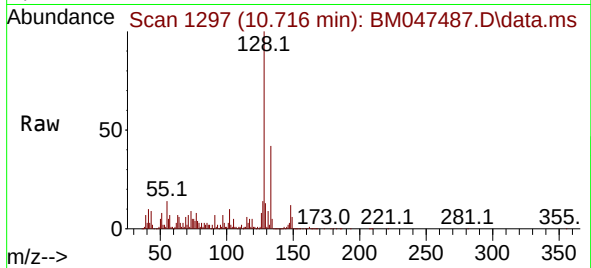
Reviewed By :Jagrut Upadhyay 09/12/2024  
Supervised By :mohammad ahmed 09/13/2024





#30  
Naphthalene  
Concen: 3.761 ng/ul  
RT: 10.716 min Scan# 1297  
Delta R.T. -0.006 min  
Lab File: BM047487.D  
Acq: 11 Sep 2024 18:38

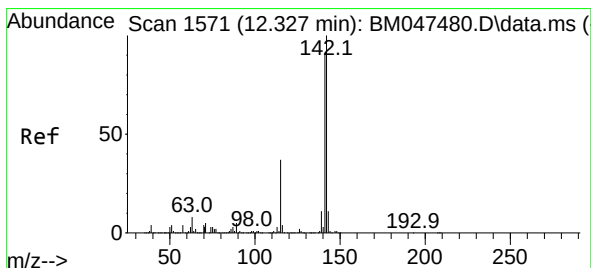
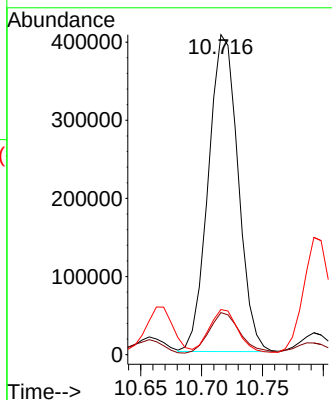
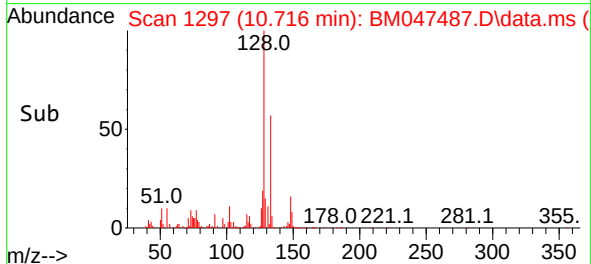
Instrument :  
BNA\_M  
ClientSampleId :  
DCVY9



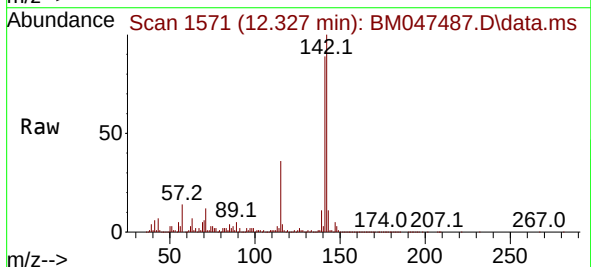
Tgt Ion:128 Resp: 689538  
Ion Ratio Lower Upper  
128 100  
129 13.2 8.6 13.0  
127 14.1 10.1 15.1

Manual Integrations  
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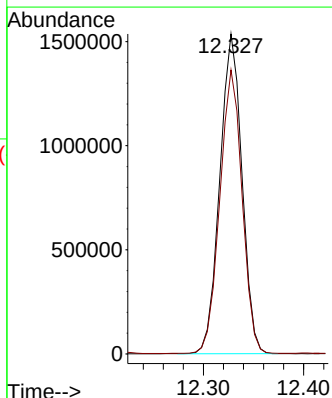
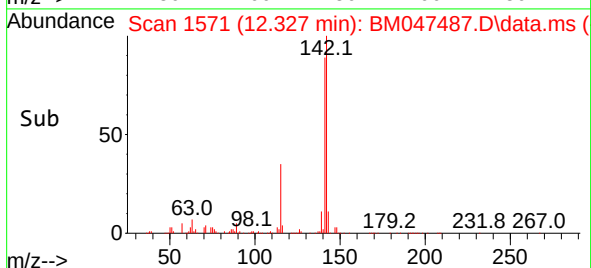
Reviewed By :Jagrut Upadhyay 09/12/2024  
Supervised By :mohammad ahmed 09/13/2024

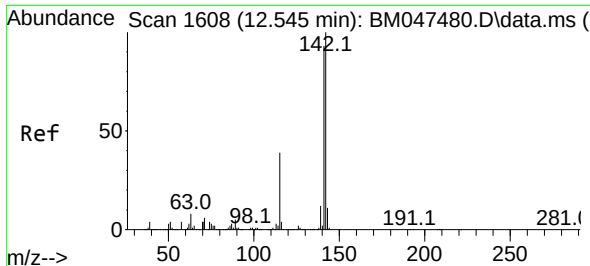


#36  
2-Methylnaphthalene  
Concen: 18.639 ng/ul  
RT: 12.327 min Scan# 1571  
Delta R.T. -0.006 min  
Lab File: BM047487.D  
Acq: 11 Sep 2024 18:38



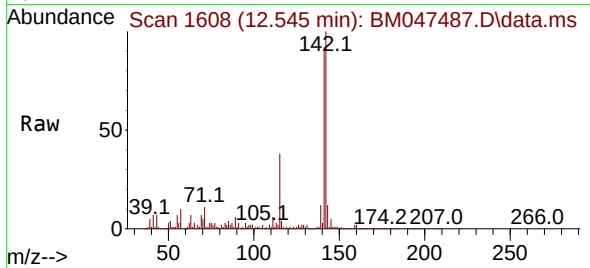
Tgt Ion:142 Resp: 2349184  
Ion Ratio Lower Upper  
142 100  
141 88.7 71.3 106.9





#37  
1-Methylnaphthalene  
Concen: 11.713 ng/ul  
RT: 12.545 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BM047487.D  
Acq: 11 Sep 2024 18:38

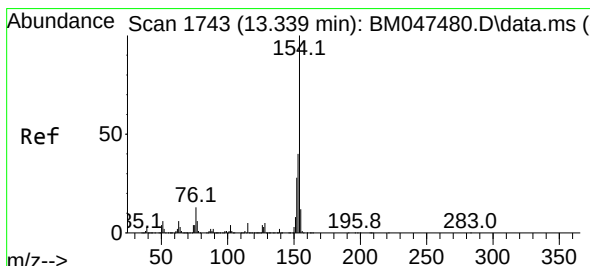
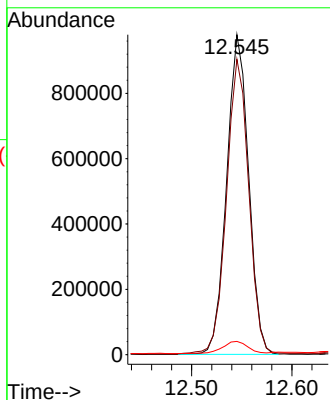
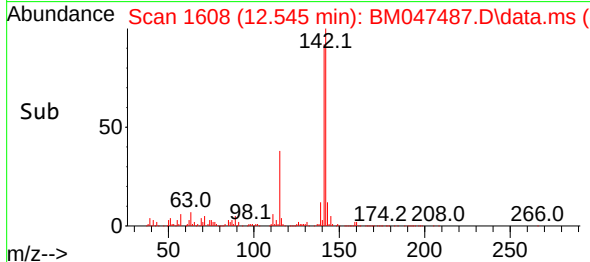
Instrument :  
BNA\_M  
ClientSampleId :  
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Tgt Ion:142 Resp: 1491508  
Ion Ratio Lower Upper  
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141 92.3 72.9 109.3  
116 4.1 3.2 4.8

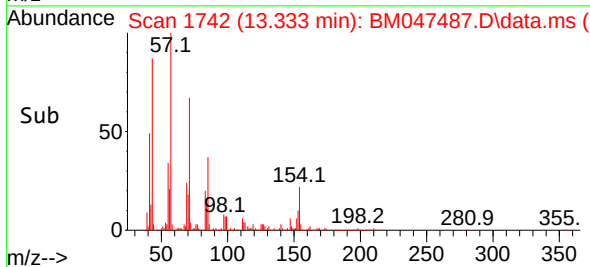
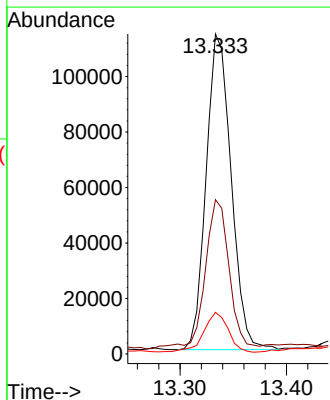
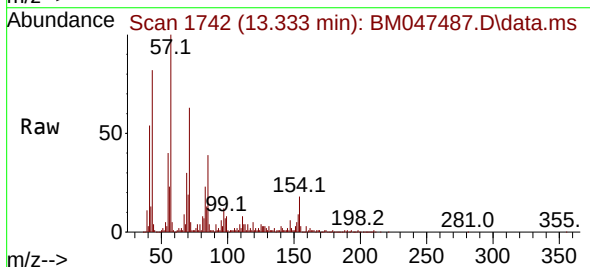
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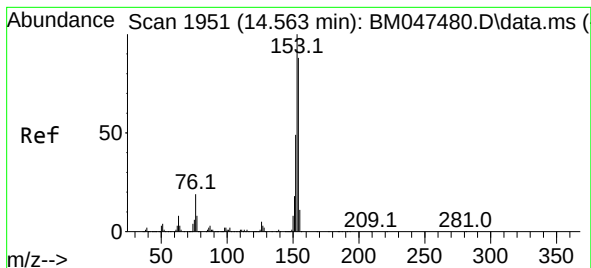
Reviewed By :Jagrut Upadhyay 09/12/2024  
Supervised By :mohammad ahmed 09/13/2024



#43  
1,1'-Biphenyl  
Concen: 1.196 ng/ul  
RT: 13.333 min Scan# 1742  
Delta R.T. -0.006 min  
Lab File: BM047487.D  
Acq: 11 Sep 2024 18:38

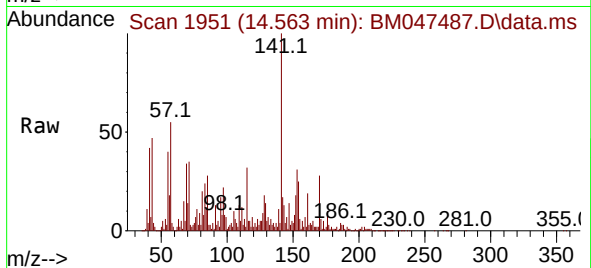
Tgt Ion:154 Resp: 185878  
Ion Ratio Lower Upper  
154 100  
153 48.2 32.3 48.5  
76 13.0 11.0 16.4





#52  
Acenaphthene  
Concen: 1.185 ng/ul  
RT: 14.563 min Scan# 1951  
Delta R.T. -0.000 min  
Lab File: BM047487.D  
Acq: 11 Sep 2024 18:38

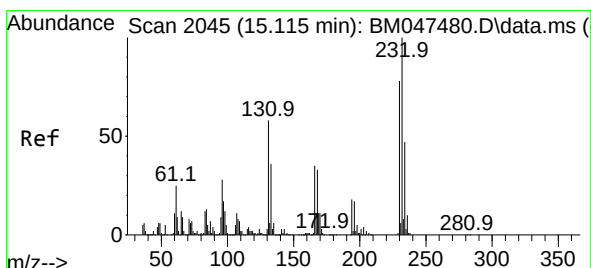
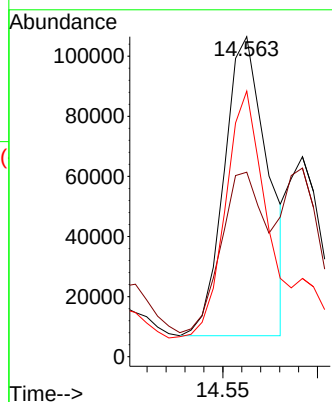
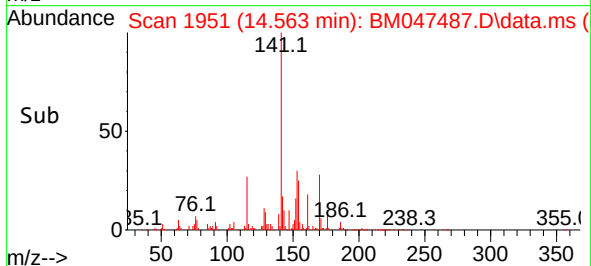
Instrument :  
BNA\_M  
ClientSampleId :  
DCVY9



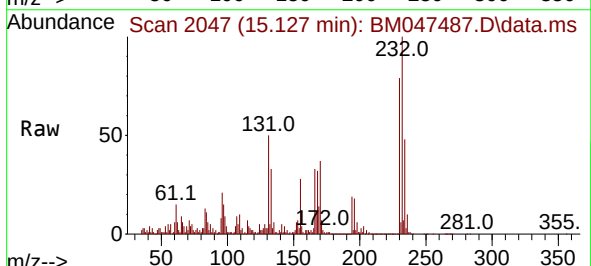
Tgt Ion:153 Resp: 15917  
Ion Ratio Lower Upper  
153 100  
152 57.7 38.3 57.5  
154 83.0 70.2 105.2

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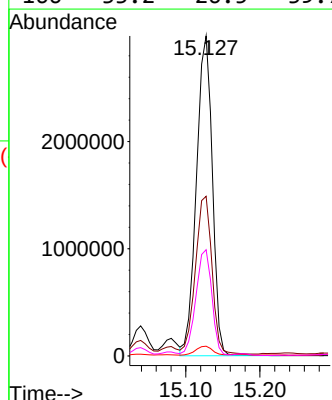
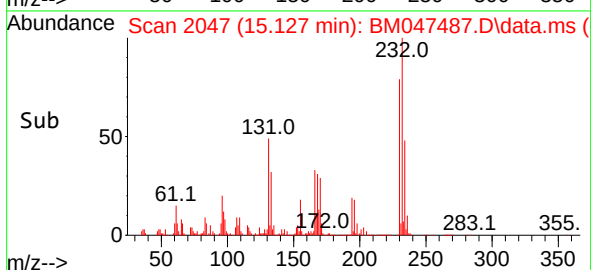
Reviewed By :Jagrut Upadhyay 09/12/2024  
Supervised By :mohammad ahmed 09/13/2024

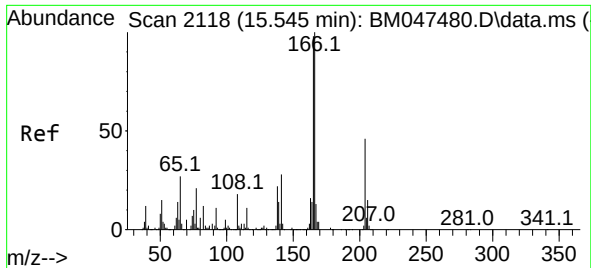


#58  
2,3,4,6-Tetrachlorophenol  
Concen: 148.250 ng/ul  
RT: 15.127 min Scan# 2047  
Delta R.T. 0.006 min  
Lab File: BM047487.D  
Acq: 11 Sep 2024 18:38



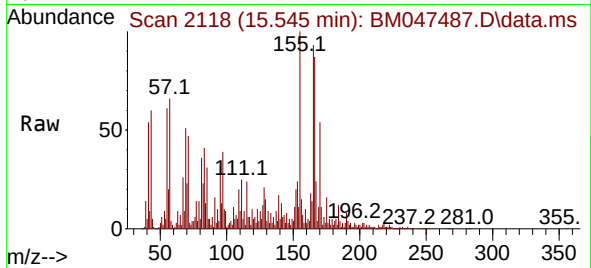
Tgt Ion:232 Resp: 4454107  
Ion Ratio Lower Upper  
232 100  
131 49.9 44.3 66.5  
130 3.1 2.5 3.7  
166 33.2 26.5 39.7





#61  
Fluorene  
Concen: 2.492 ng/ul  
RT: 15.545 min Scan# 2118  
Delta R.T. -0.000 min  
Lab File: BM047487.D  
Acq: 11 Sep 2024 18:38

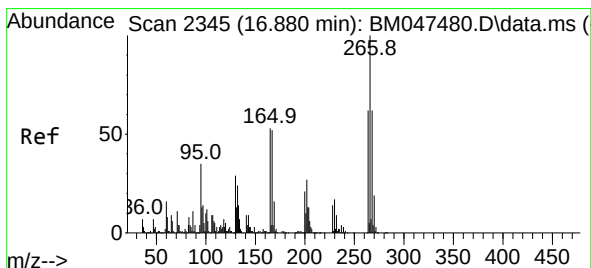
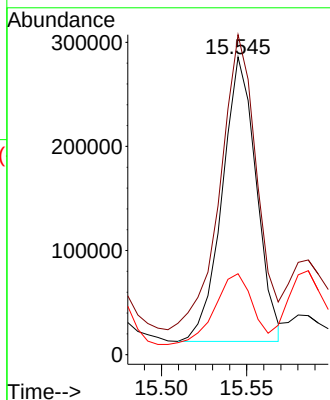
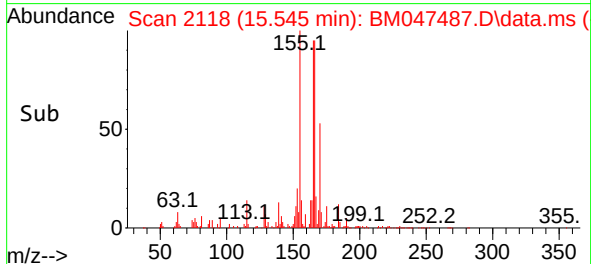
Instrument :  
BNA\_M  
ClientSampleId :  
DCVY9



Tgt Ion:166 Resp: 37972  
Ion Ratio Lower Upper  
166 100  
165 107.5 78.5 117.7  
167 27.2 11.0 16.6

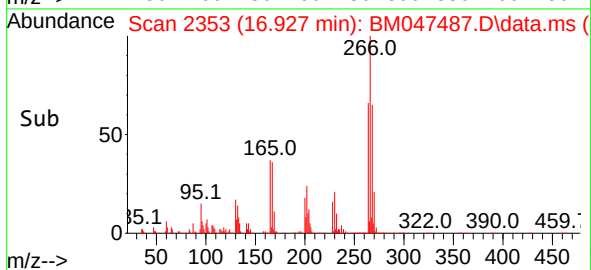
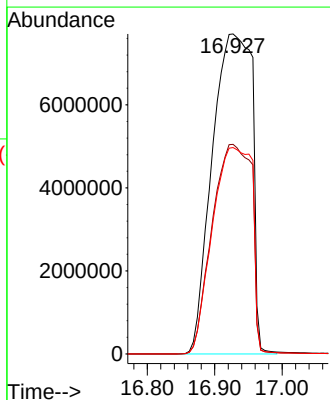
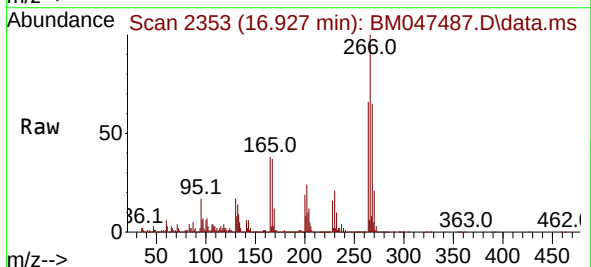
Manual Integrations  
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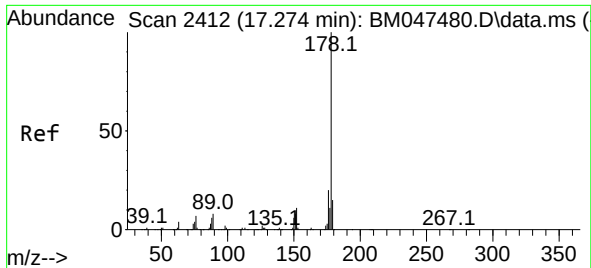
Reviewed By :Jagrut Upadhyay 09/12/2024  
Supervised By :mohammad ahmed 09/13/2024



#71  
Pentachlorophenol  
Concen: 1173.168 ng/ul m  
RT: 16.927 min Scan# 2353  
Delta R.T. 0.041 min  
Lab File: BM047487.D  
Acq: 11 Sep 2024 18:38

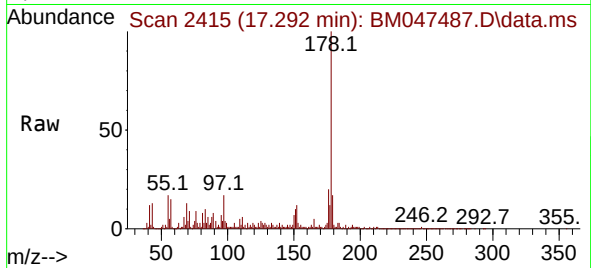
Tgt Ion:266 Resp:31519894  
Ion Ratio Lower Upper  
266 100  
264 65.5 49.5 74.3  
268 64.5 51.0 76.4





#72  
Phenanthrene  
Concen: 11.848 ng/ul  
RT: 17.292 min Scan# 2415  
Delta R.T. 0.012 min  
Lab File: BM047487.D  
Acq: 11 Sep 2024 18:38

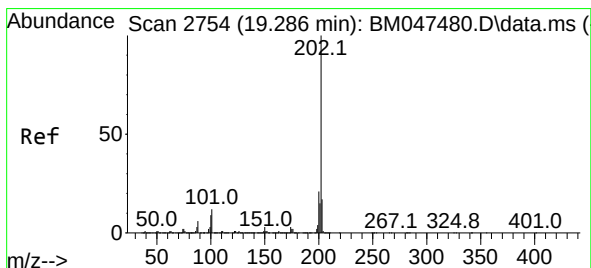
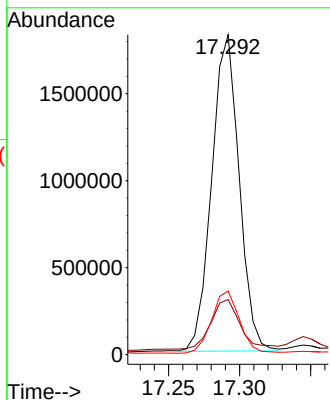
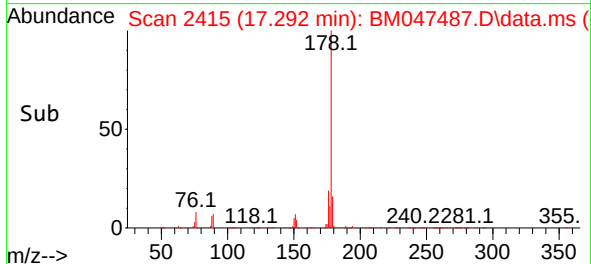
Instrument :  
BNA\_M  
ClientSampleId :  
DCVY9



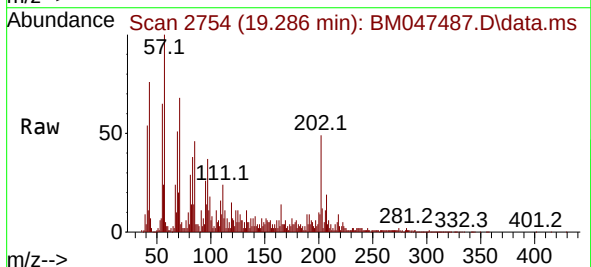
Tgt Ion:178 Resp: 244098  
Ion Ratio Lower Upper  
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179 17.2 12.2 18.2  
176 19.9 15.5 23.3

Manual Integrations  
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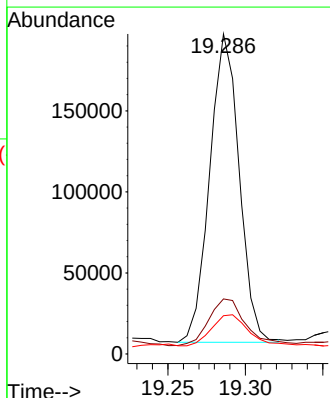
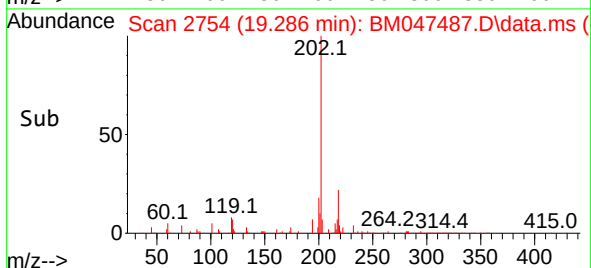
Reviewed By :Jagrut Upadhyay 09/12/2024  
Supervised By :mohammad ahmed 09/13/2024

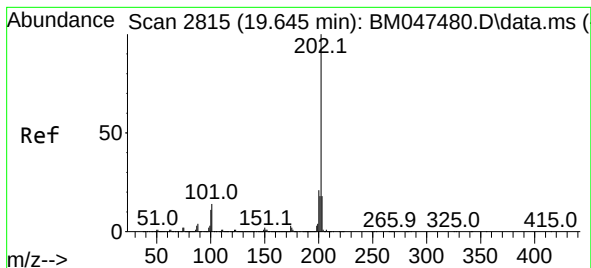


#80  
Fluoranthene  
Concen: 1.316 ng/ul  
RT: 19.286 min Scan# 2754  
Delta R.T. -0.000 min  
Lab File: BM047487.D  
Acq: 11 Sep 2024 18:38



Tgt Ion:202 Resp: 251536  
Ion Ratio Lower Upper  
202 100  
101 17.2 9.6 14.4#  
100 12.0 7.3 10.9#





#82

Pyrene

Concen: 1.550 ng/ul

RT: 19.645 min Scan# 2815

Delta R.T. -0.000 min

Lab File: BM047487.D

Acq: 11 Sep 2024 18:38

Instrument :

BNA\_M

ClientSampleId :

DCVY9

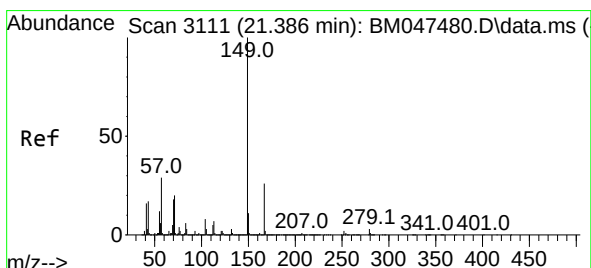
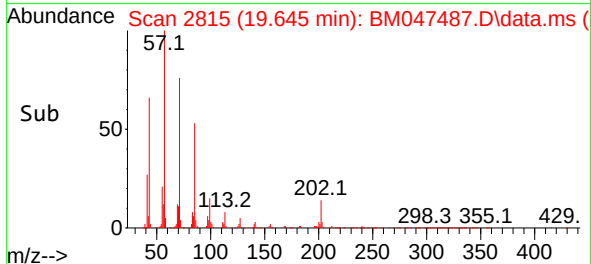
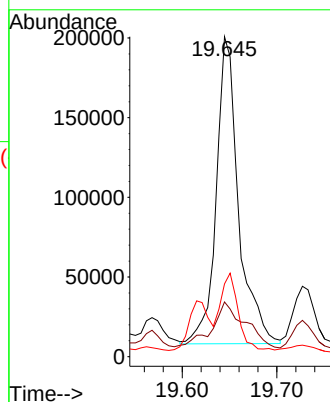
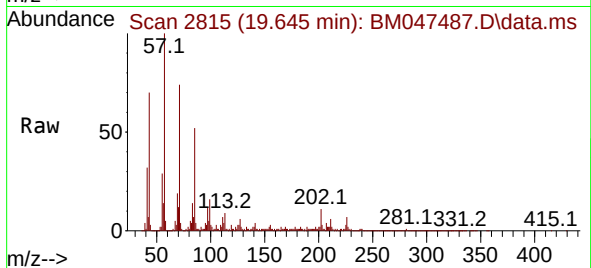
Tgt Ion:202 Resp: 315730

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 17.1  | 11.3  | 16.9  |
| 100 | 22.7  | 9.1   | 13.7  |

Manual Integrations

APPROVED

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#86

Bis(2-ethylhexyl)phthalate

Concen: 1.693 ng/ul

RT: 21.380 min Scan# 3110

Delta R.T. -0.012 min

Lab File: BM047487.D

Acq: 11 Sep 2024 18:38

Tgt Ion:149 Resp: 238662

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 29.2  | 20.9  | 31.3  |
| 279 | 4.2   | 2.6   | 4.0   |

