

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070824\  
 Data File : BP020848.D  
 Acq On : 09 Jul 2024 02:36  
 Operator : MA/JU  
 Sample : P3035-14  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4CW9

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/09/2024  
 Supervised By :mohammad ahmed 07/10/2024

Quant Time: Jul 09 03:40:04 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 03 15:01:56 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.722  | 152  | 225833   | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.493 | 136  | 937204   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.357 | 164  | 631616   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.169 | 188  | 1329315  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.616 | 240  | 1210973  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.957 | 264  | 1417183  | 20.000 | ng/u1  | -0.02    |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.264  | 96   | 16965    | 3.226  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.693  | 84   | 20870m   | 1.362  | ng/u1  | 0.01     |
| 7) Phenol-d5                  | 6.916  | 99   | 395880   | 21.373 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.069  | 67   | 240019   | 20.440 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.269  | 132  | 330306   | 21.820 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.434  | 113  | 326418   | 21.698 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.881  | 128  | 162119   | 23.430 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.587  | 143  | 186807   | 26.978 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.128 | 165  | 328234   | 23.013 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.640 | 131  | 317026   | 15.860 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.757 | 166  | 1047566  | 23.854 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.045 | 160  | 1161493  | 22.165 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.598 | 143  | 146529   | 21.838 | ng/u1  | 0.02     |
| 60) Fluorene-d10              | 15.369 | 176  | 892565   | 24.153 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.510 | 200  | 136684   | 20.404 | ng/u1  | 0.01     |
| 73) Anthracene-d10            | 17.275 | 188  | 1393902  | 23.364 | ng/u1  | 0.01     |
| 81) Pyrene-d10                | 19.651 | 212  | 1462484  | 20.103 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.727 | 264  | 1112484  | 16.138 | ng/u1  | -0.01    |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.216 | 178  | 267621   | 3.845  | ng/u1  | 99       |
| 80) Fluoranthene              | 19.304 | 202  | 562018   | 6.324  | ng/u1  | 100      |
| 82) Pyrene                    | 19.686 | 202  | 421011   | 4.620  | ng/u1  | 98       |
| 85) Benzo(a)anthracene        | 21.592 | 228  | 268858   | 3.168  | ng/u1  | 96       |
| 86) Bis(2-ethylhexyl)phtha... | 21.522 | 149  | 175673   | 3.343  | ng/u1  | 99       |
| 87) Chrysene                  | 21.663 | 228  | 277535   | 3.459  | ng/u1  | 97       |
| 90) Benzo(b)fluoranthene      | 23.892 | 252  | 386018   | 4.496  | ng/u1  | 96       |
| 91) Benzo(k)fluoranthene      | 23.963 | 252  | 118748m  | 1.367  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 24.798 | 252  | 145713   | 1.798  | ng/u1  | 94       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.721 | 276  | 133231m  | 1.282  | ng/u1  |          |
| -----                         |        |      |          |        |        |          |

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

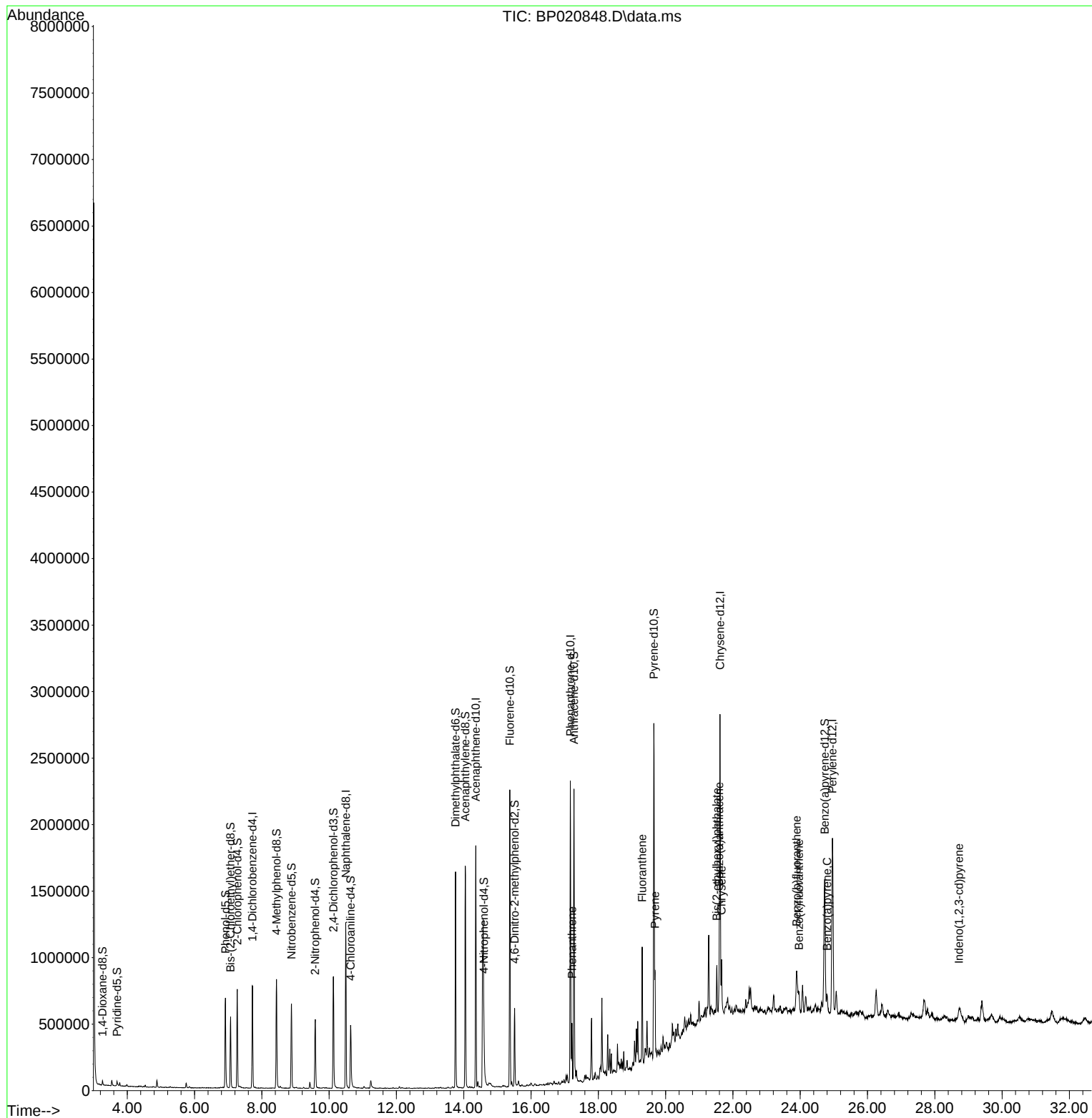
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070824\  
Data File : BP020848.D  
Acq On : 09 Jul 2024 02:36  
Operator : MA/JU  
Sample : P3035-14  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

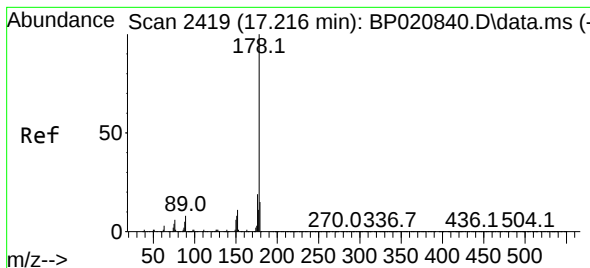
Instrument :  
BNA\_P  
ClientSampleId :  
A4CW9

Manual Integrations  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062524.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jul 03 15:01:56 2024  
Response via : Initial Calibration





#72

Phenanthrene

Concen: 3.845 ng/ul

RT: 17.216 min Scan# 2419

Delta R.T. 0.012 min

Lab File: BP020848.D

Acq: 09 Jul 2024 02:36

Instrument :

BNA\_P

ClientSampleId :

A4CW9

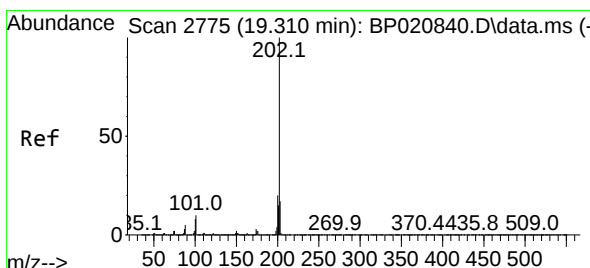
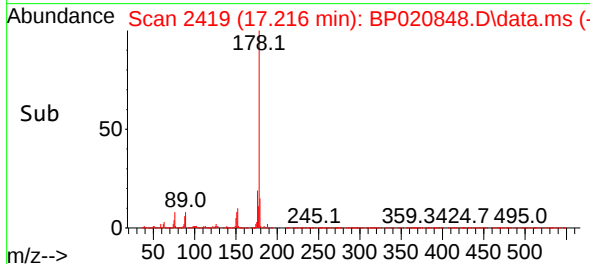
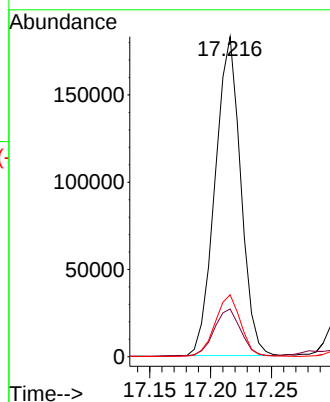
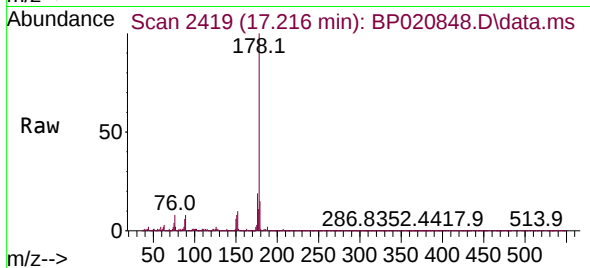
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 26762 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 14.9  | 12.4  | 18.6  |
| 176       | 19.3  | 15.4  | 23.2  |

Manual Integrations

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#80

Fluoranthene

Concen: 6.324 ng/ul

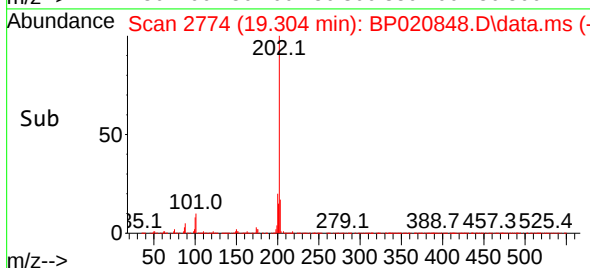
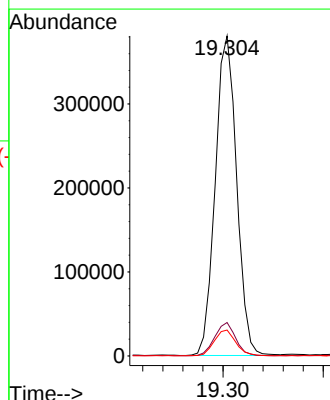
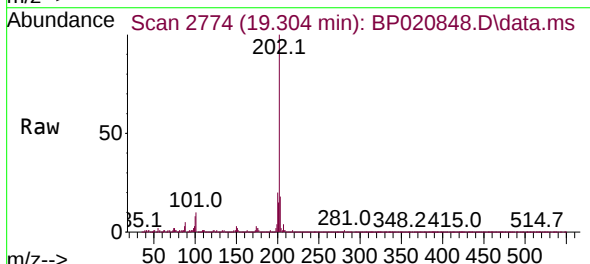
RT: 19.304 min Scan# 2774

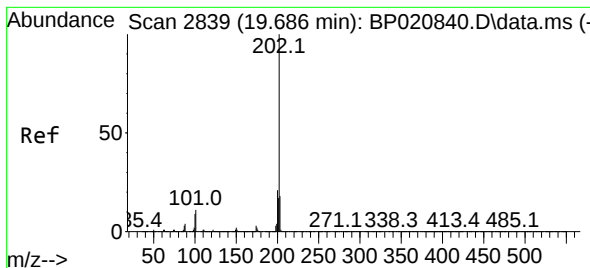
Delta R.T. 0.006 min

Lab File: BP020848.D

Acq: 09 Jul 2024 02:36

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 562018 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 10.5  | 8.2   | 12.4   |
| 100       | 8.1   | 6.6   | 10.0   |





#82

Pyrene

Concen: 4.620 ng/ul

RT: 19.686 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP020848.D

Acq: 09 Jul 2024 02:36

Instrument :

BNA\_P

ClientSampleId :

A4CW9

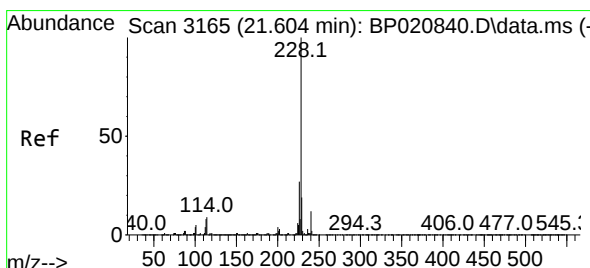
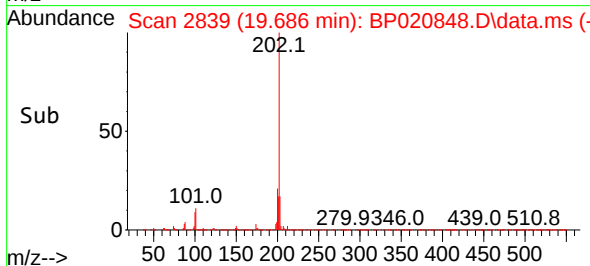
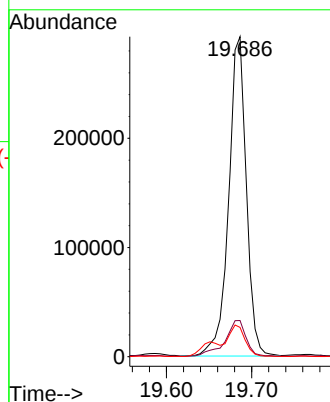
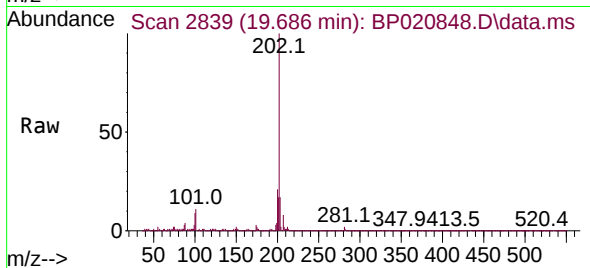
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 42101 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 11.3  | 9.8   | 14.8  |
| 100       | 9.2   | 7.9   | 11.9  |

Manual Integrations

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Supervised By :mohammad ahmed 07/10/2024



#85

Benzo(a)anthracene

Concen: 3.168 ng/ul

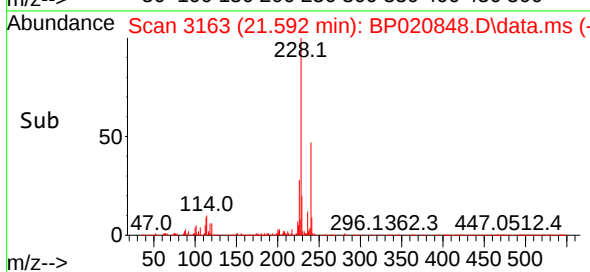
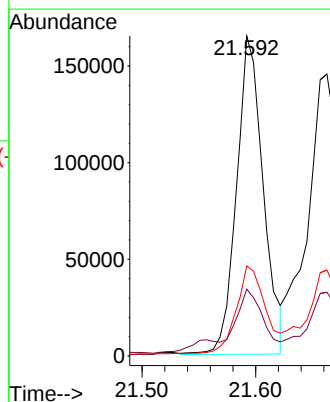
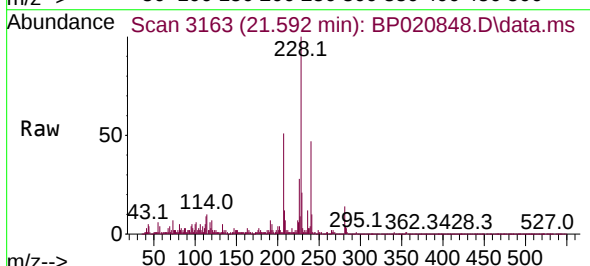
RT: 21.592 min Scan# 3163

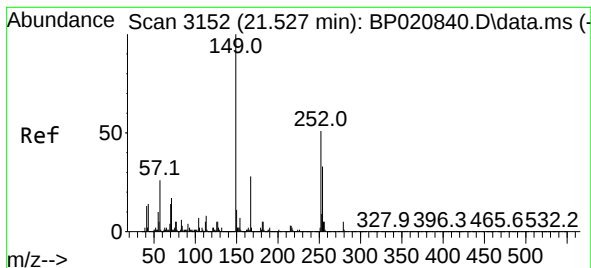
Delta R.T. -0.006 min

Lab File: BP020848.D

Acq: 09 Jul 2024 02:36

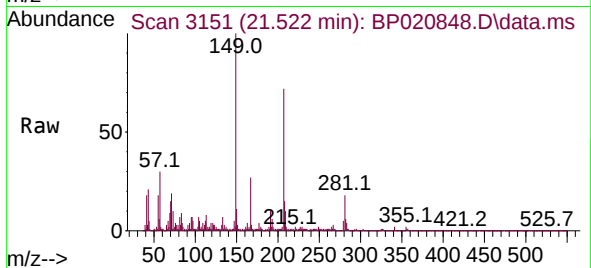
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 268858 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 229       | 20.9  | 15.2  | 22.8   |
| 226       | 28.1  | 21.1  | 31.7   |





#86  
Bis(2-ethylhexyl)phthalate  
Concen: 3.343 ng/ul  
RT: 21.522 min Scan# 3152  
Delta R.T. -0.018 min  
Lab File: BP020848.D  
Acq: 09 Jul 2024 02:36

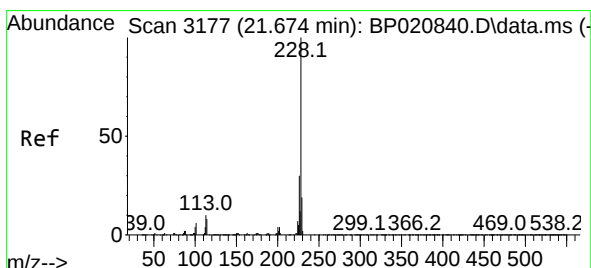
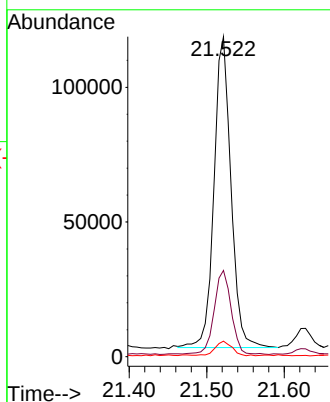
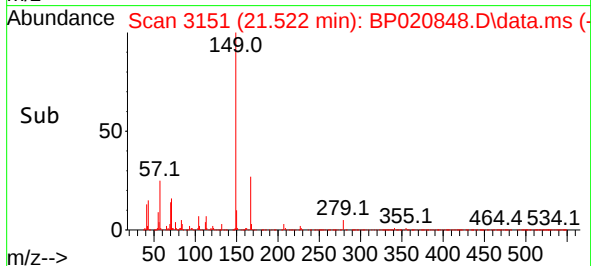
Instrument :  
BNA\_P  
ClientSampleId :  
A4CW9



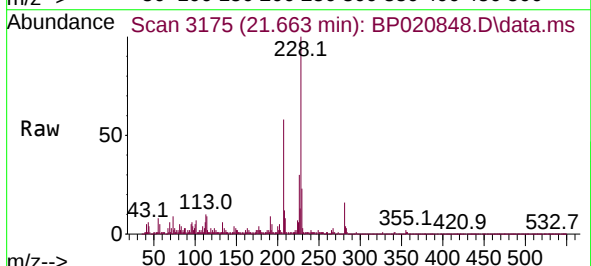
Tgt Ion:149 Resp: 17567  
Ion Ratio Lower Upper  
149 100  
167 26.9 22.0 33.0  
279 4.9 3.3 4.9

Manual Integrations  
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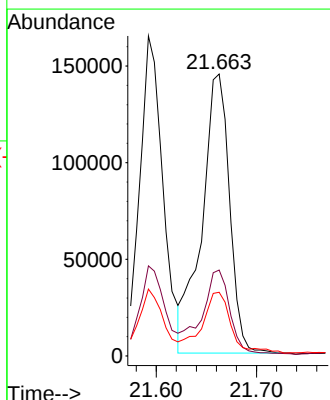
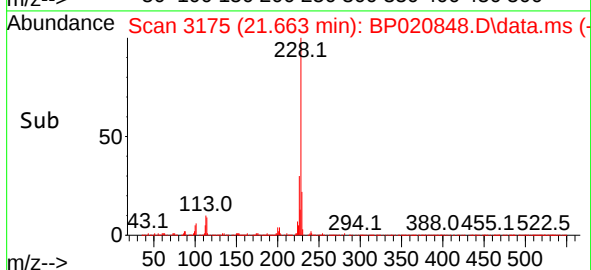
Reviewed By :Yogesh Patel 07/09/2024  
Supervised By :mohammad ahmed 07/10/2024

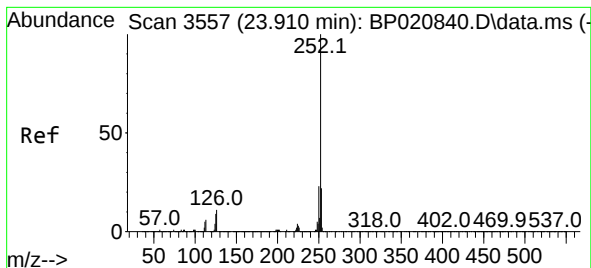


#87  
Chrysene  
Concen: 3.459 ng/ul  
RT: 21.663 min Scan# 3175  
Delta R.T. -0.006 min  
Lab File: BP020848.D  
Acq: 09 Jul 2024 02:36



Tgt Ion:228 Resp: 277535  
Ion Ratio Lower Upper  
228 100  
226 30.5 23.8 35.6  
229 22.6 16.1 24.1





#90

Benzo(b)fluoranthene

Concen: 4.496 ng/ul

RT: 23.892 min Scan# 3557

Delta R.T. -0.012 min

Lab File: BP020848.D

Acq: 09 Jul 2024 02:36

Instrument :

BNA\_P

ClientSampleId :

A4CW9

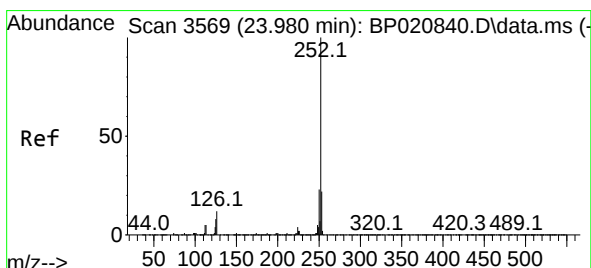
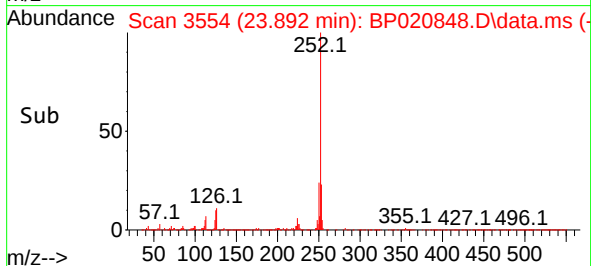
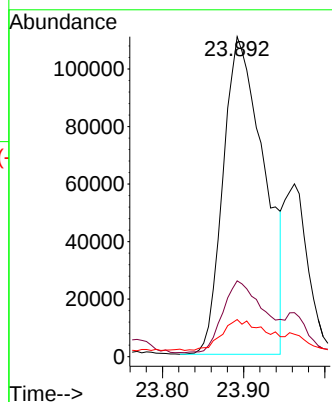
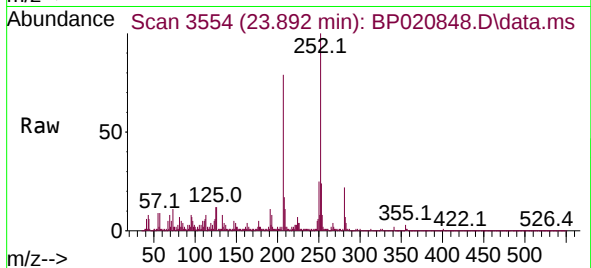
|             |              |
|-------------|--------------|
| Tgt Ion:252 | Resp: 386018 |
| Ion Ratio   | Lower Upper  |
| 252 100     |              |
| 253 23.7    | 17.5 26.3    |
| 125 11.6    | 7.9 11.9     |

Manual Integrations

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#91

Benzo(k)fluoranthene

Concen: 1.367 ng/ul m

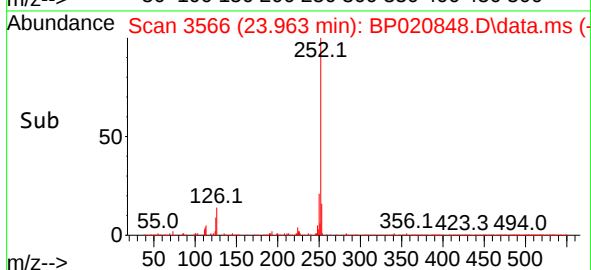
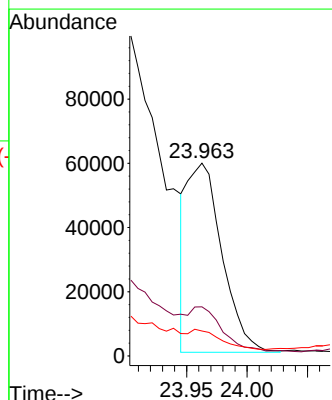
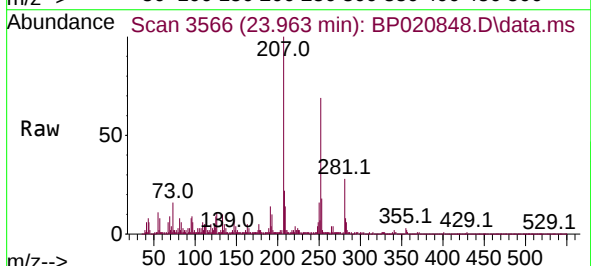
RT: 23.963 min Scan# 3566

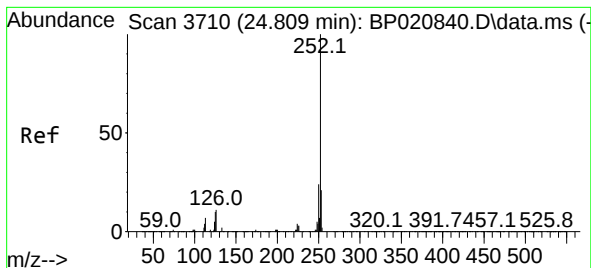
Delta R.T. -0.012 min

Lab File: BP020848.D

Acq: 09 Jul 2024 02:36

|             |              |
|-------------|--------------|
| Tgt Ion:252 | Resp: 118748 |
| Ion Ratio   | Lower Upper  |
| 252 100     |              |
| 253 25.5    | 17.6 26.4    |
| 125 12.9    | 7.9 11.9     |





#93

Benzo(a)pyrene

Concen: 1.798 ng/ul

RT: 24.798 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP020848.D

Acq: 09 Jul 2024 02:36

Instrument :

BNA\_P

ClientSampleId :

A4CW9

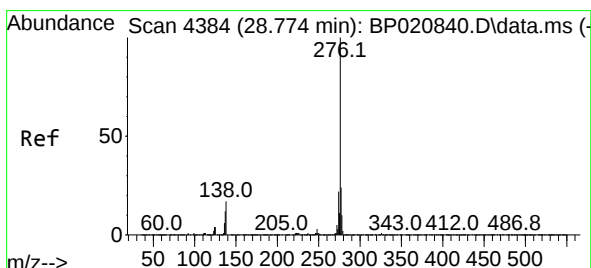
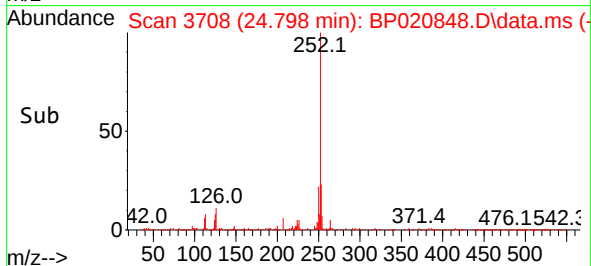
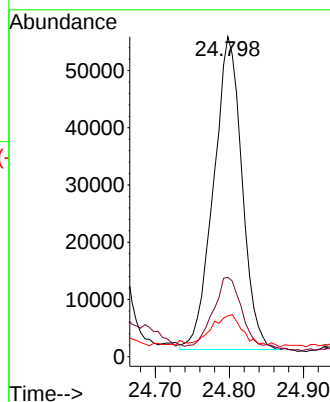
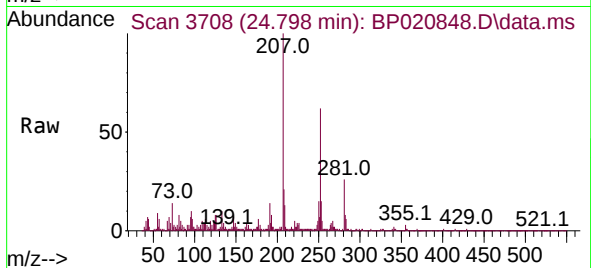
Tgt Ion:252 Resp: 145711  
 Ion Ratio Lower Upper  
 252 100  
 253 24.8 17.4 26.2  
 125 12.8 8.7 13.1

Manual Integrations

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#94

Indeno(1,2,3-cd)pyrene

Concen: 1.282 ng/ul m

RT: 28.721 min Scan# 4375

Delta R.T. -0.041 min

Lab File: BP020848.D

Acq: 09 Jul 2024 02:36

Tgt Ion:276 Resp: 133231  
 Ion Ratio Lower Upper  
 276 100  
 138 18.9 15.2 22.8  
 277 26.1 19.0 28.4

