

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110424\  
 Data File : BP022837.D  
 Acq On : 04 Nov 2024 21:43  
 Operator : RC/JU  
 Sample : P4581-12  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4EC7

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/06/2024  
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 04 23:01:24 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 30 10:56:39 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.628  | 152  | 70013    | 20.000 | ng/ul  | -0.01    |
| 20) Naphthalene-d8            | 10.381 | 136  | 264066   | 20.000 | ng/ul  | -0.01    |
| 38) Acenaphthene-d10          | 14.245 | 164  | 212975   | 20.000 | ng/ul  | -0.02    |
| 64) Phenanthrene-d10          | 17.051 | 188  | 530518m  | 20.000 | ng/ul  | -0.01    |
| 79) Chrysene-d12              | 21.474 | 240  | 619115   | 20.000 | ng/ul  | -0.02    |
| 88) Perylene-d12              | 24.721 | 264  | 772846   | 20.000 | ng/ul  | -0.03    |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.181  | 96   | 1990     | 1.105  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.622  | 84   | 5595m    | 1.131  | ng/ul  | 0.03     |
| 7) Phenol-d5                  | 6.834  | 99   | 36384    | 6.174  | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.975  | 67   | 22929    | 6.619  | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.175  | 132  | 28807    | 6.889  | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.340  | 113  | 22602    | 4.806  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.775  | 128  | 14293    | 7.039  | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.481  | 143  | 16074    | 6.838  | ng/ul  | -0.02    |
| 28) 2,4-Dichlorophenol-d3     | 10.034 | 165  | 31961    | 6.397  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.540 | 131  | 23262    | 3.940  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.651 | 166  | 127339   | 7.525  | ng/ul  | -0.01    |
| 49) Acenaphthylene-d8         | 13.928 | 160  | 127624   | 7.101  | ng/ul  | -0.02    |
| 54) 4-Nitrophenol-d4          | 14.528 | 143  | 12920m   | 4.551  | ng/ul  | 0.02     |
| 60) Fluorene-d10              | 15.257 | 176  | 113174   | 7.711  | ng/ul  | -0.02    |
| 65) 4,6-Dinitro-2-methylph... | 15.416 | 200  | 13228m   | 3.791  | ng/ul  | 0.01     |
| 73) Anthracene-d10            | 17.145 | 188  | 182654   | 7.319  | ng/ul  | -0.02    |
| 81) Pyrene-d10                | 19.533 | 212  | 170538   | 5.209  | ng/ul  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 24.498 | 264  | 134606   | 3.261  | ng/ul  | -0.02    |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 8) Phenol                     | 6.869  | 94   | 8129m    | 1.326  | ng/ul  |          |
| 16) Acetophenone              | 8.440  | 105  | 44268    | 5.701  | ng/ul  | 95       |
| 72) Phenanthrene              | 17.092 | 178  | 99341    | 3.500  | ng/ul  | 98       |
| 80) Fluoranthene              | 19.192 | 202  | 176506   | 4.690  | ng/ul# | 96       |
| 82) Pyrene                    | 19.563 | 202  | 81835    | 2.029  | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.457 | 228  | 89672    | 2.066  | ng/ul  | 99       |
| 87) Chrysene                  | 21.521 | 228  | 82733    | 2.056  | ng/ul  | 98       |
| 90) Benzo(b)fluoranthene      | 23.704 | 252  | 105831   | 2.175  | ng/ul  | 97       |
| -----                         |        |      |          |        |        |          |

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

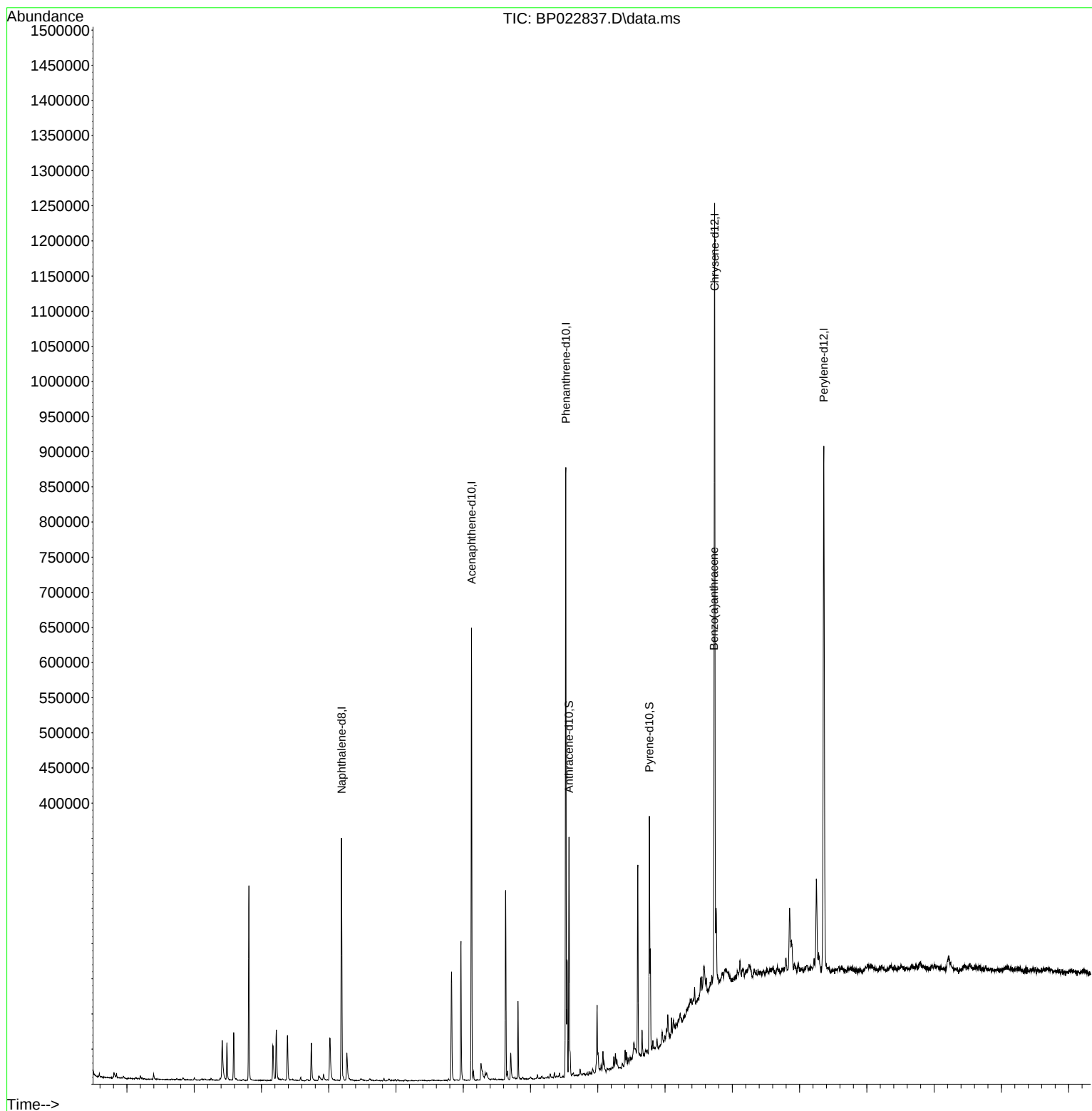
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110424\  
Data File : BP022837.D  
Acq On : 04 Nov 2024 21:43  
Operator : RC/JU  
Sample : P4581-12  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

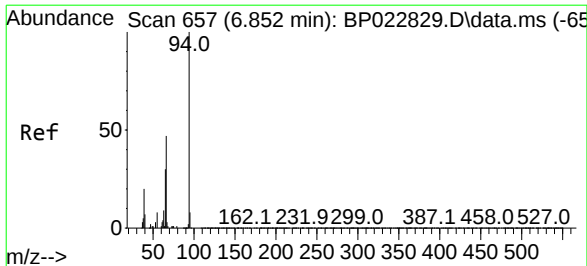
Instrument :  
BNA\_P  
ClientSampleId :  
A4EC7

Quant Time: Nov 04 23:01:24 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Oct 30 10:56:39 2024  
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#8

Phenol

Concen: 1.326 ng/ul m

RT: 6.869 min Scan# 66

Delta R.T. 0.012 min

Lab File: BP022837.D

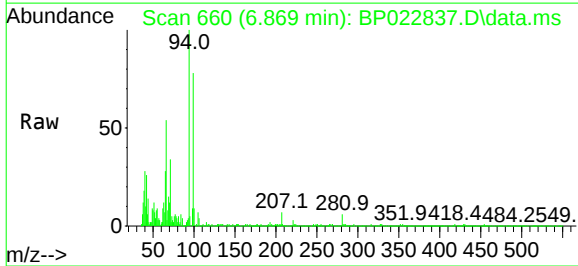
Acq: 04 Nov 2024 21:43

Instrument :

BNA\_P

ClientSampleId :

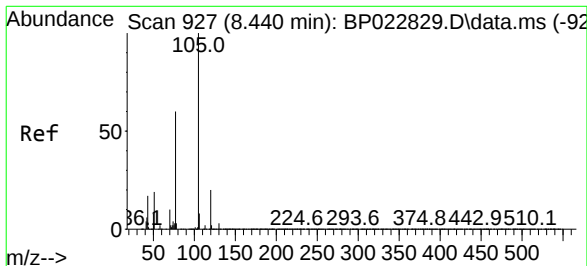
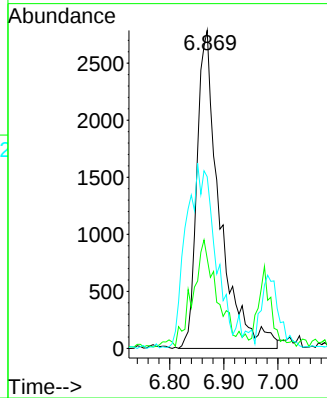
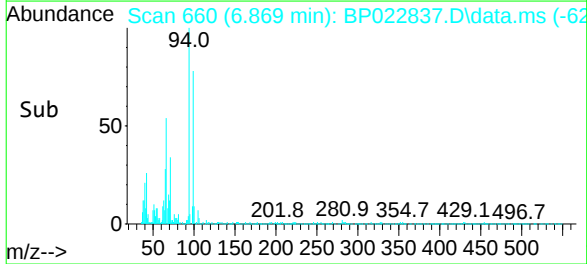
A4EC7



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 94    | Resp: | 8129  |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 28.2  | 25.9  | 38.9  |
| 66       | 54.0  | 37.6  | 56.4  |

Manual Integrations  
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#16

Acetophenone

Concen: 5.701 ng/ul

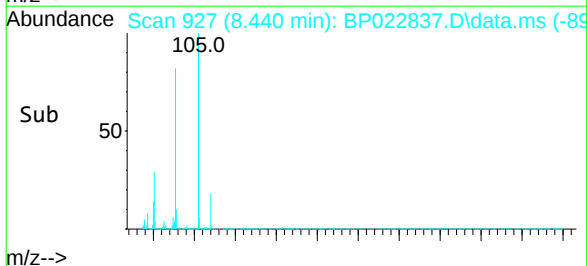
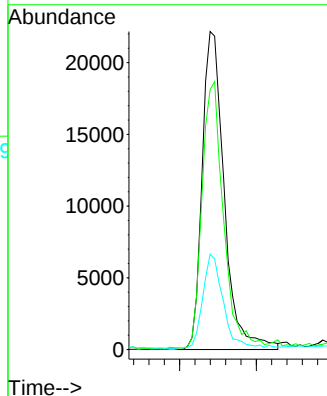
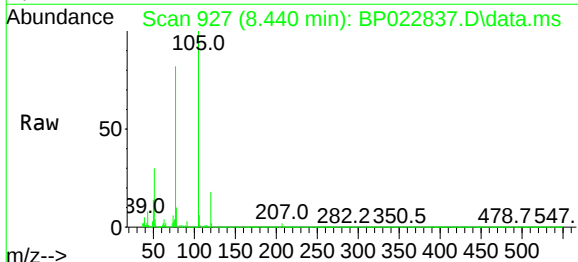
RT: 8.440 min Scan# 927

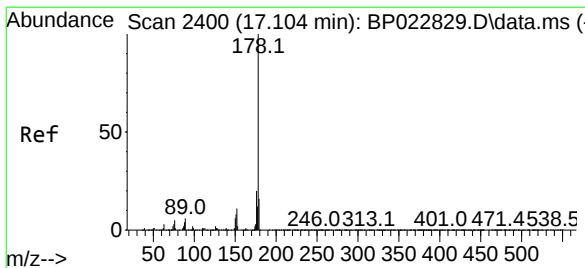
Delta R.T. -0.012 min

Lab File: BP022837.D

Acq: 04 Nov 2024 21:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 44268 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 77       | 81.7  | 69.0  | 103.4 |
| 51       | 30.0  | 22.6  | 33.8  |





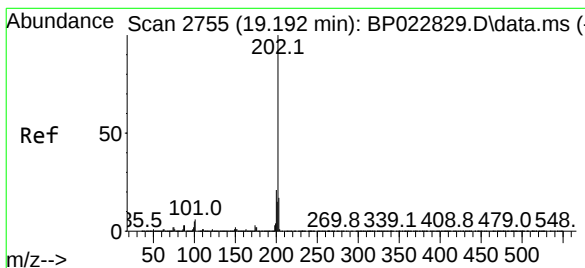
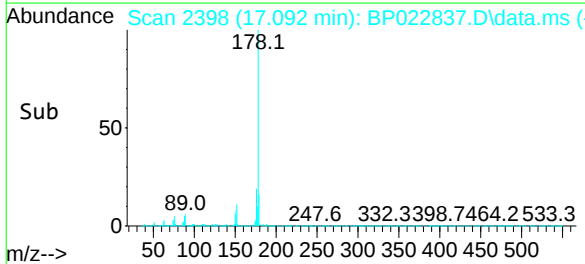
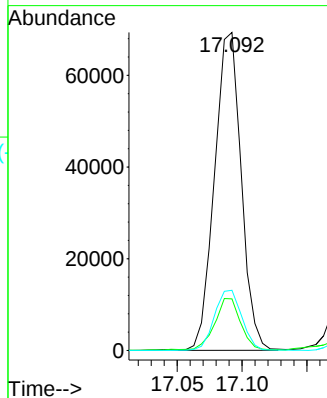
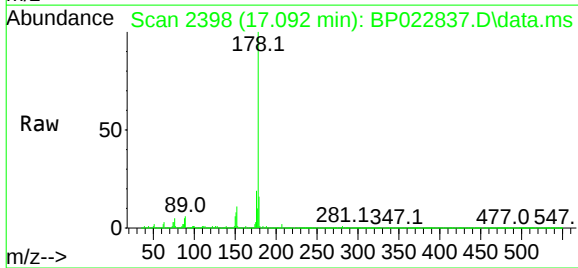
#72  
Phenanthrene  
Concen: 3.500 ng/u1  
RT: 17.092 min Scan# 231  
Delta R.T. -0.012 min  
Lab File: BP022837.D  
Acq: 04 Nov 2024 21:43

Instrument :  
BNA\_P  
ClientSampleId :  
A4EC7

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 99341 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 16.2  | 12.2  | 18.4  |
| 176       | 18.9  | 15.7  | 23.5  |

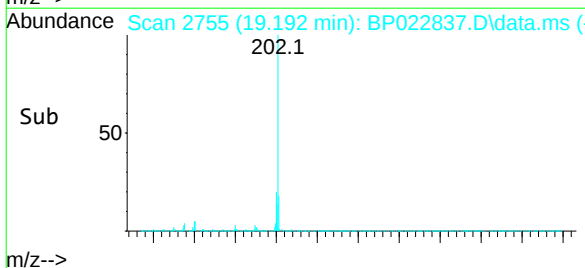
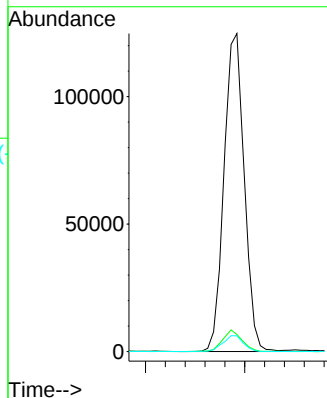
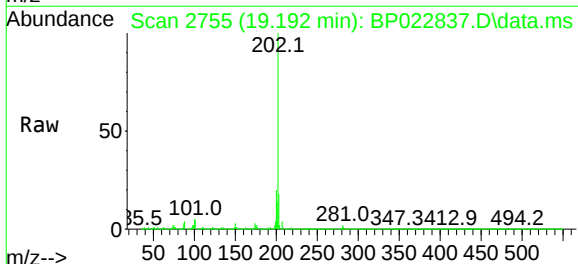
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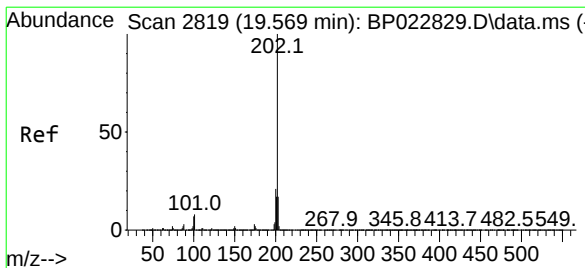
Reviewed By :Yogesh Patel 11/06/2024  
Supervised By :mohammad ahmed 11/08/2024



#80  
Fluoranthene  
Concen: 4.690 ng/u1  
RT: 19.192 min Scan# 2755  
Delta R.T. -0.000 min  
Lab File: BP022837.D  
Acq: 04 Nov 2024 21:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 176506 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 5.4   | 5.8   | 8.8#   |
| 100       | 5.0   | 4.5   | 6.7    |





#82

Pyrene

Concen: 2.029 ng/u1

RT: 19.563 min Scan# 2819

Delta R.T. -0.012 min

Lab File: BP022837.D

Acq: 04 Nov 2024 21:43

Instrument :

BNA\_P

ClientSampleId :

A4EC7

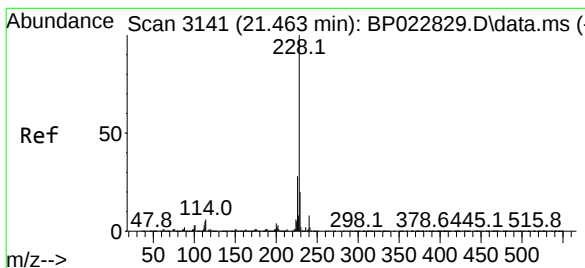
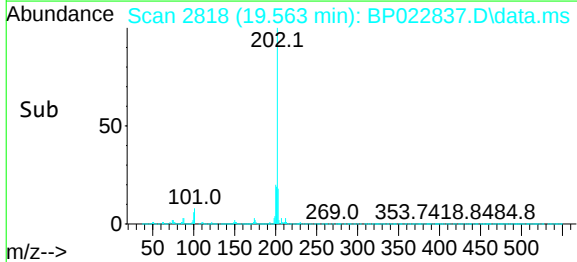
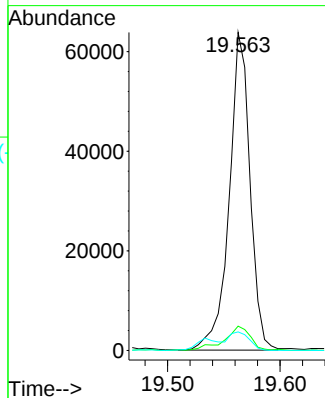
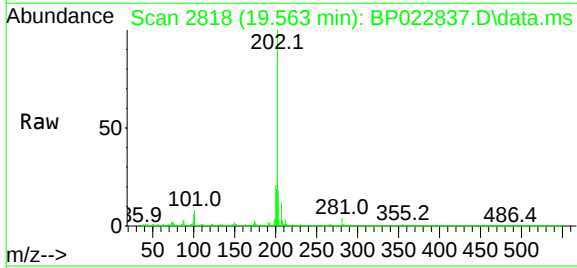
|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:202 | Resp: | 81835 |
| Ion | Ratio   | Lower | Upper |
| 202 | 100     |       |       |
| 101 | 7.7     | 6.7   | 10.1  |
| 100 | 5.8     | 5.8   | 8.6   |

Manual Integrations

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#85

Benzo(a)anthracene

Concen: 2.066 ng/u1

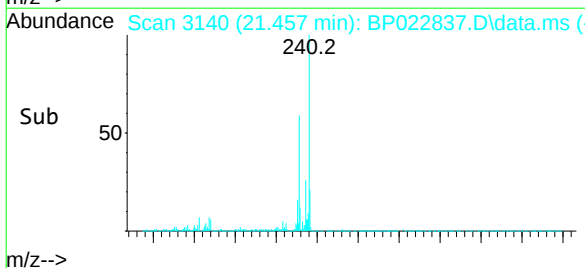
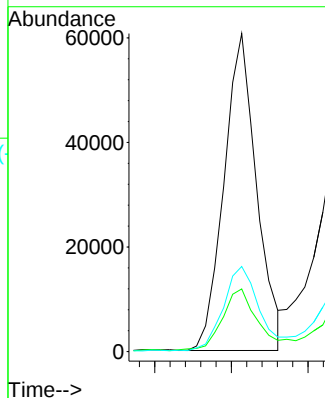
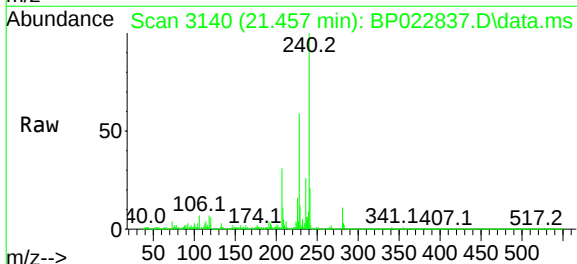
RT: 21.457 min Scan# 3140

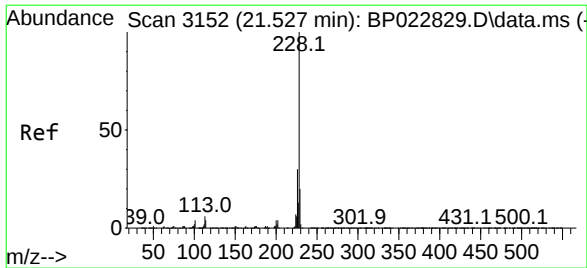
Delta R.T. -0.018 min

Lab File: BP022837.D

Acq: 04 Nov 2024 21:43

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:228 | Resp: | 89672 |
| Ion | Ratio   | Lower | Upper |
| 228 | 100     |       |       |
| 229 | 19.7    | 15.4  | 23.0  |
| 226 | 26.8    | 21.5  | 32.3  |





#87

Chrysene

Concen: 2.056 ng/u1

RT: 21.521 min Scan# 3151

Delta R.T. -0.029 min

Lab File: BP022837.D

Acq: 04 Nov 2024 21:43

Instrument :

BNA\_P

ClientSampleId :

A4EC7

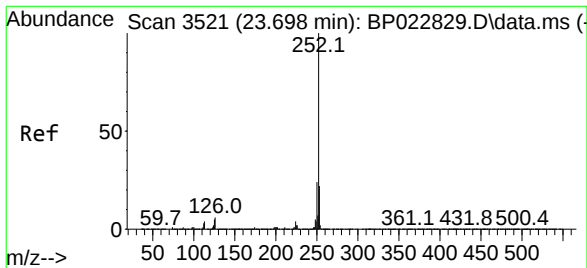
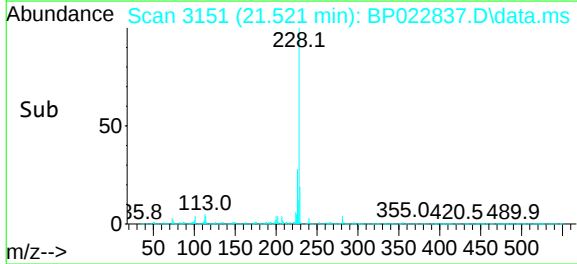
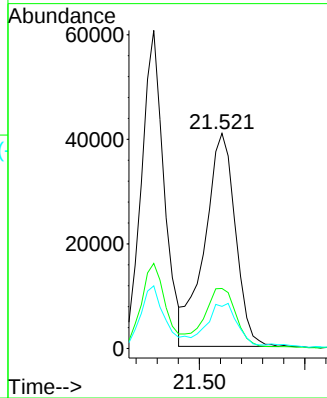
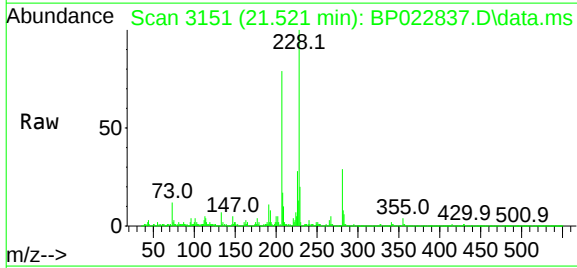
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|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 82733 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 27.9  | 23.8  | 35.8  |
| 229       | 19.6  | 15.5  | 23.3  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/08/2024



#90

Benzo(b)fluoranthene

Concen: 2.175 ng/u1

RT: 23.704 min Scan# 3522

Delta R.T. -0.018 min

Lab File: BP022837.D

Acq: 04 Nov 2024 21:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 105831 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 23.9  | 17.8  | 26.8   |
| 125       | 5.6   | 5.0   | 7.4    |

