

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111924\  
 Data File : BP023264.D  
 Acq On : 21 Nov 2024 00:29  
 Operator : RC/JU  
 Sample : P4872-03  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 E29X3

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024  
 Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 02:27:42 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP110924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 20 04:34:35 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.569  | 152  | 68461    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.316 | 136  | 239930   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.181 | 164  | 184144   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.004 | 188  | 446072   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.445 | 240  | 587982   | 20.000 | ng/u1  | 0.02     |
| 88) Perylene-d12              | 24.662 | 264  | 767371   | 20.000 | ng/u1  | 0.03     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.134  | 96   | 4334     | 3.043  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.558  | 84   | 49335    | 11.659 | ng/u1  | 0.01     |
| 7) Phenol-d5                  | 6.787  | 99   | 72549    | 14.333 | ng/u1  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.922  | 67   | 45209    | 15.203 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.122  | 132  | 55349    | 14.931 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.293  | 113  | 60157    | 14.443 | ng/u1  | 0.01     |
| 21) Nitrobenzene-d5           | 8.716  | 128  | 25104    | 15.029 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.428  | 143  | 29523    | 14.826 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.981  | 165  | 62541    | 14.997 | ng/u1  | 0.02     |
| 31) 4-Chloroaniline-d4        | 10.475 | 131  | 71341m   | 14.340 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.598 | 166  | 227688   | 17.156 | ng/u1  | 0.01     |
| 49) Acenaphthylene-d8         | 13.869 | 160  | 231965   | 16.751 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.498 | 143  | 26112m   | 13.092 | ng/u1  | 0.04     |
| 60) Fluorene-d10              | 15.198 | 176  | 201692   | 17.333 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.375 | 200  | 27687    | 10.361 | ng/u1  | 0.02     |
| 73) Anthracene-d10            | 17.110 | 188  | 344039   | 18.216 | ng/u1  | 0.01     |
| 81) Pyrene-d10                | 19.486 | 212  | 467675   | 17.268 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.445 | 264  | 670147   | 18.334 | ng/u1  | 0.02     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.051 | 178  | 55972    | 2.658  | ng/u1  | 98       |
| 80) Fluoranthene              | 19.145 | 202  | 100560   | 3.223  | ng/u1# | 96       |
| 82) Pyrene                    | 19.516 | 202  | 78264    | 2.335  | ng/u1  | 98       |
| 85) Benzo(a)anthracene        | 21.427 | 228  | 46106m   | 1.284  | ng/u1  |          |
| 87) Chrysene                  | 21.492 | 228  | 43790    | 1.296  | ng/u1  | 93       |
| 90) Benzo(b)fluoranthene      | 23.668 | 252  | 59898    | 1.402  | ng/u1  | 96       |
| 93) Benzo(a)pyrene            | 24.515 | 252  | 40927m   | 1.060  | ng/u1  |          |
| -----                         |        |      |          |        |        |          |

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

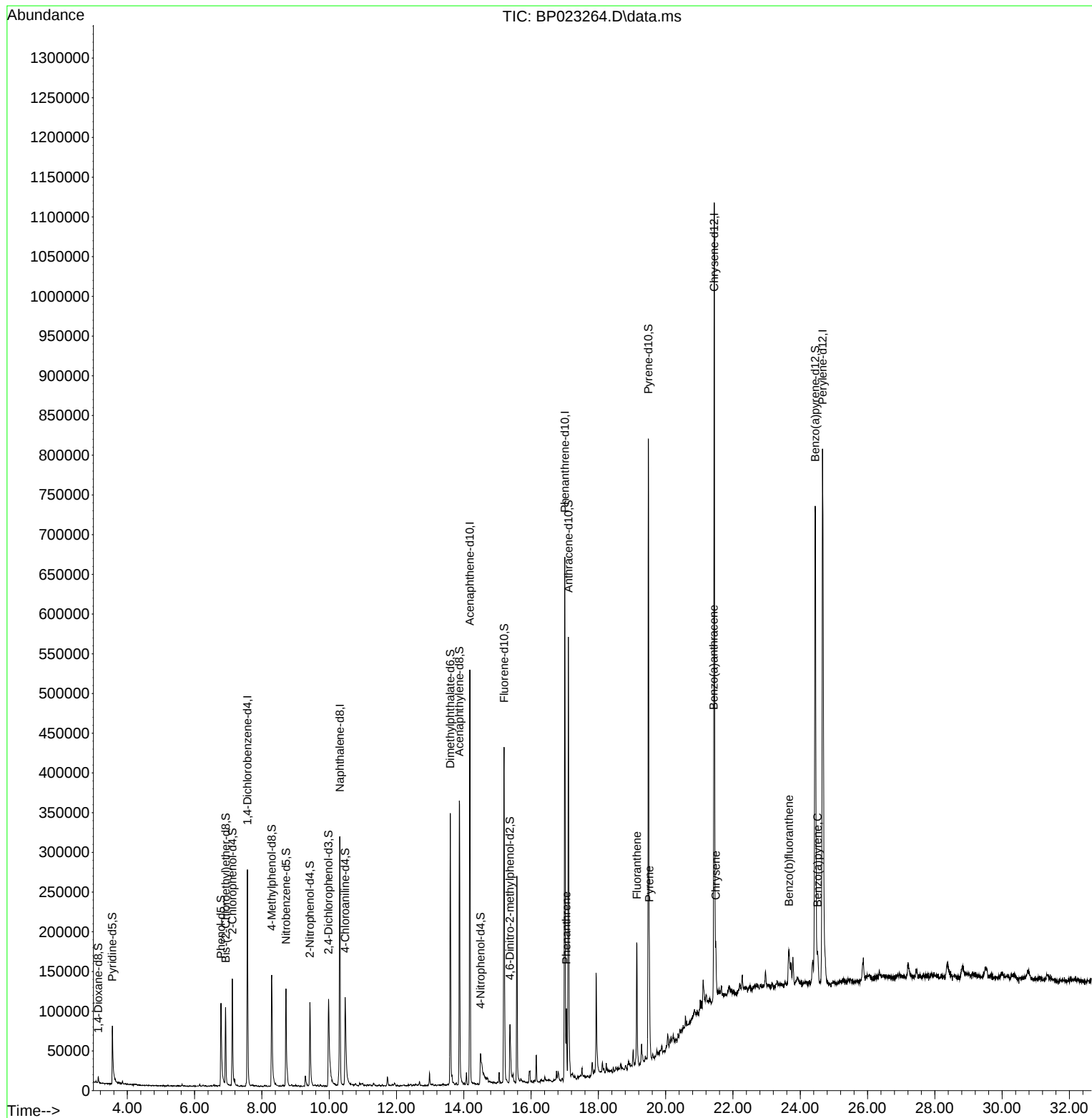
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111924\  
Data File : BP023264.D  
Acq On : 21 Nov 2024 00:29  
Operator : RC/JU  
Sample : P4872-03  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

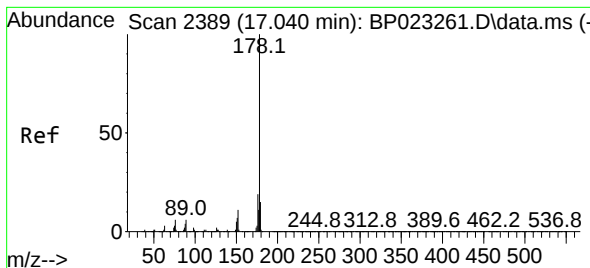
Instrument :  
BNA\_P  
ClientSampleId :  
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Quant Title : SVOA CALIBRATION  
QLast Update : Wed Nov 20 04:34:35 2024  
Response via : Initial Calibration





#72

Phenanthrene

Concen: 2.658 ng/u1

RT: 17.051 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP023264.D

Acq: 21 Nov 2024 00:29

Instrument :

BNA\_P

ClientSampleId :

E29X3

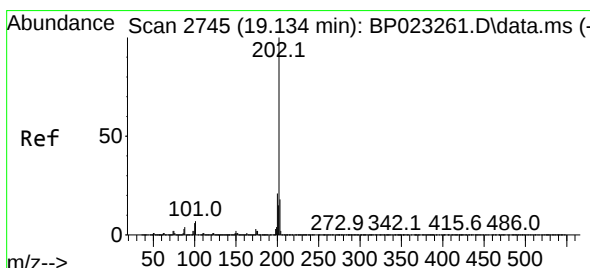
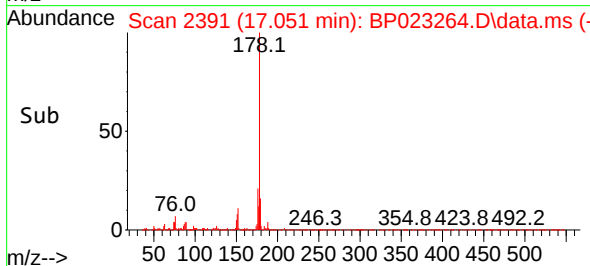
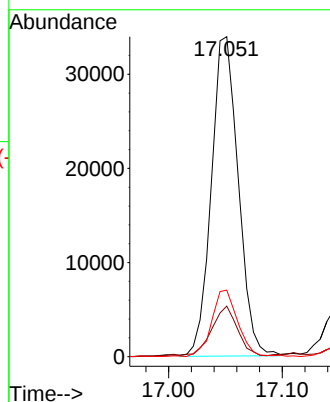
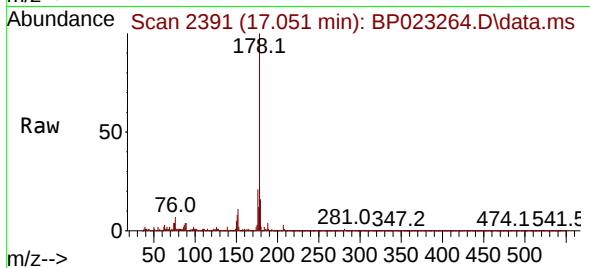
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 5597      |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 179         | 15.8  | 12.7 19.1 |
| 176         | 20.8  | 15.4 23.2 |

Manual Integrations

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#80

Fluoranthene

Concen: 3.223 ng/u1

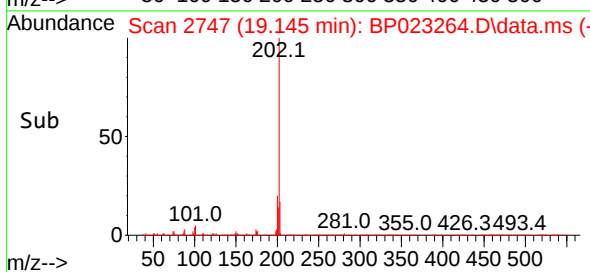
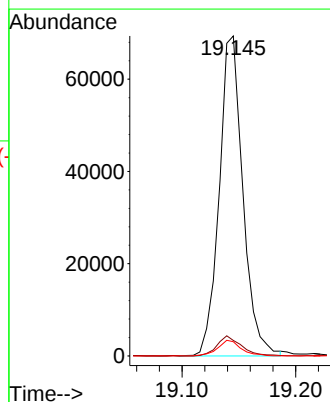
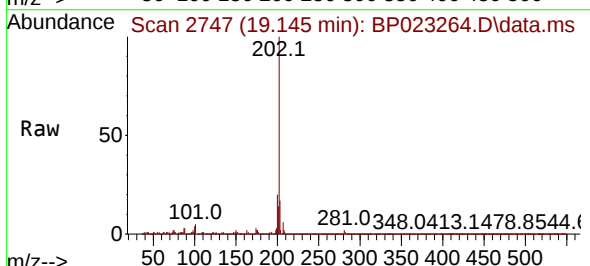
RT: 19.145 min Scan# 2747

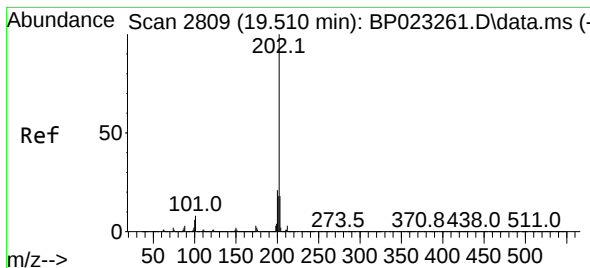
Delta R.T. 0.006 min

Lab File: BP023264.D

Acq: 21 Nov 2024 00:29

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:202 | Resp: | 100560   |
| Ion Ratio   | Lower | Upper    |
| 202         | 100   |          |
| 101         | 4.9   | 5.2 7.8# |
| 100         | 4.5   | 4.1 6.1  |





#82

Pyrene

Concen: 2.335 ng/ul

RT: 19.516 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP023264.D

Acq: 21 Nov 2024 00:29

Instrument :

BNA\_P

ClientSampleId :

E29X3

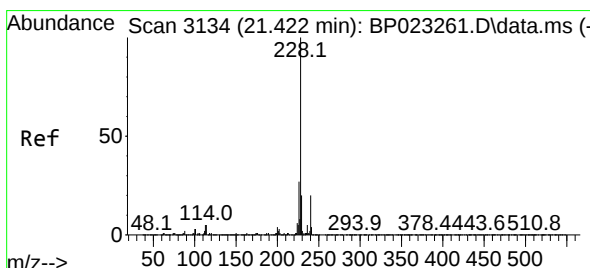
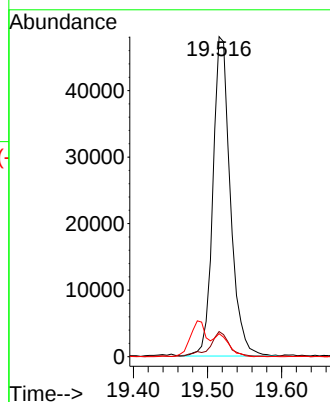
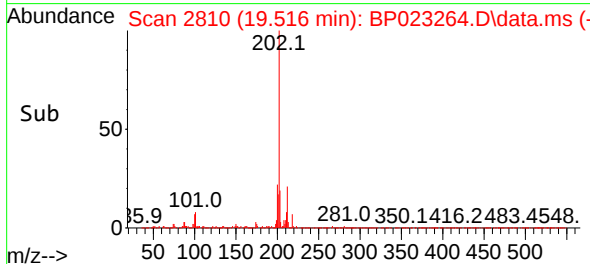
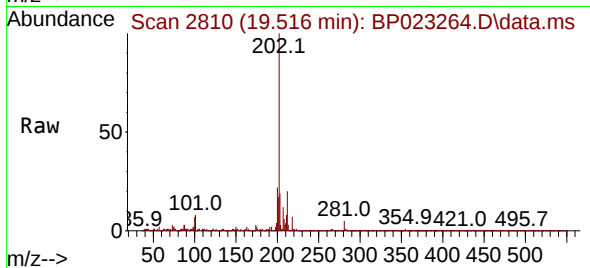
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 78264 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 7.8   | 6.2   | 9.2   |
| 100       | 7.2   | 4.9   | 7.3   |

Manual Integrations

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#85

Benzo(a)anthracene

Concen: 1.284 ng/ul m

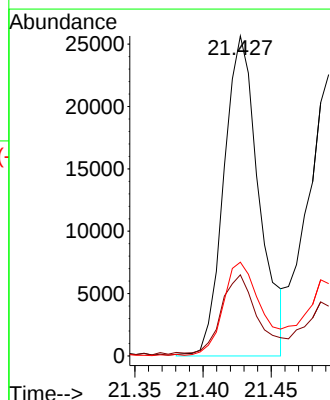
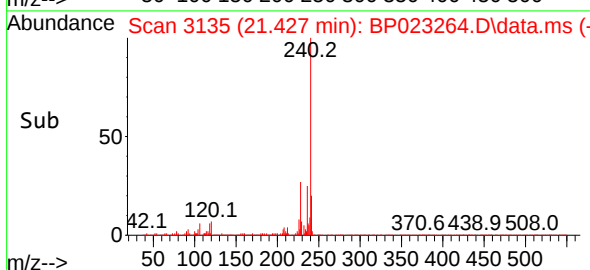
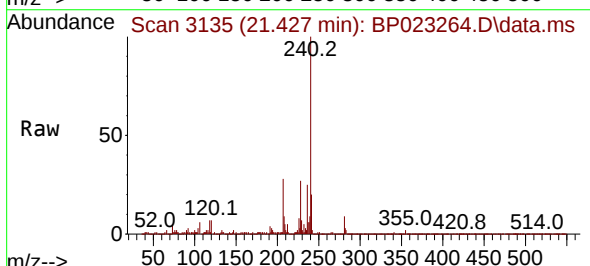
RT: 21.427 min Scan# 3135

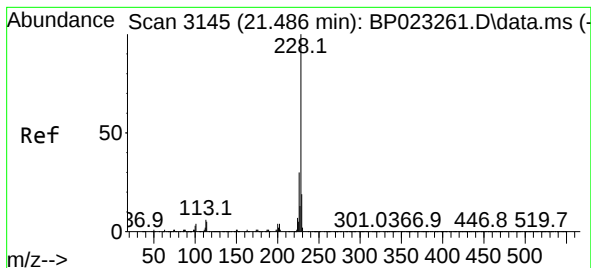
Delta R.T. 0.024 min

Lab File: BP023264.D

Acq: 21 Nov 2024 00:29

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 46106 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 25.4  | 15.5  | 23.3# |
| 226       | 29.3  | 21.9  | 32.9  |





#87

Chrysene

Concen: 1.296 ng/ul

RT: 21.492 min Scan# 3145

Delta R.T. 0.024 min

Lab File: BP023264.D

Acq: 21 Nov 2024 00:29

Instrument :

BNA\_P

ClientSampleId :

E29X3

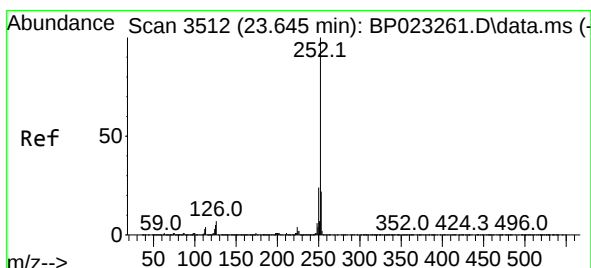
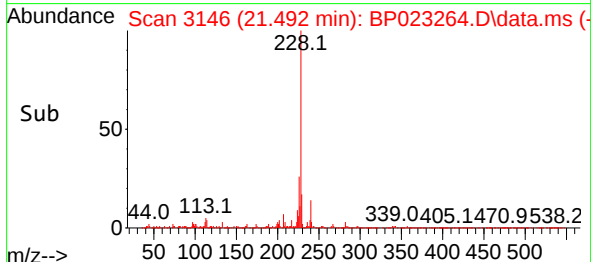
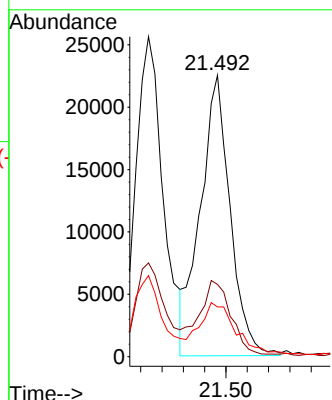
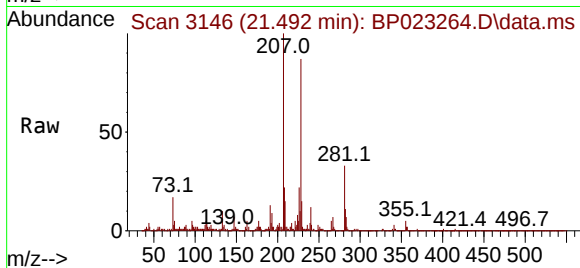
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 43790 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 25.7  | 24.2  | 36.2  |
| 229       | 17.7  | 16.1  | 24.1  |

Manual Integrations

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#90

Benzo(b)fluoranthene

Concen: 1.402 ng/ul

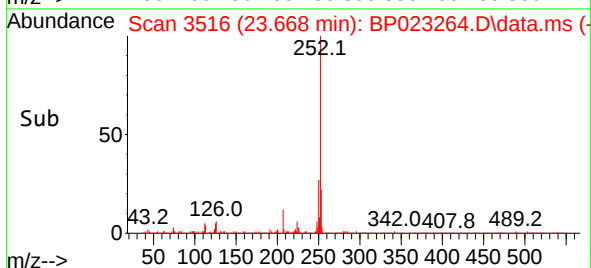
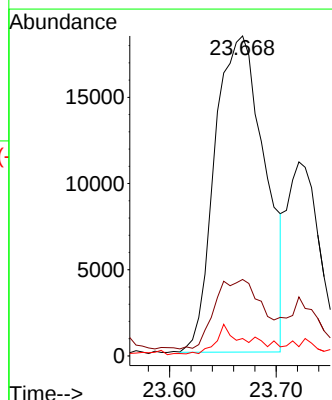
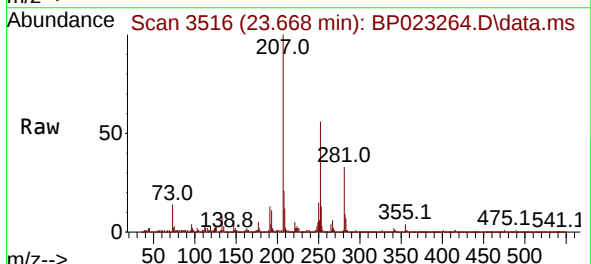
RT: 23.668 min Scan# 3516

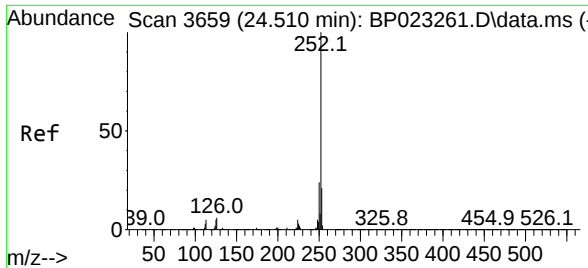
Delta R.T. 0.041 min

Lab File: BP023264.D

Acq: 21 Nov 2024 00:29

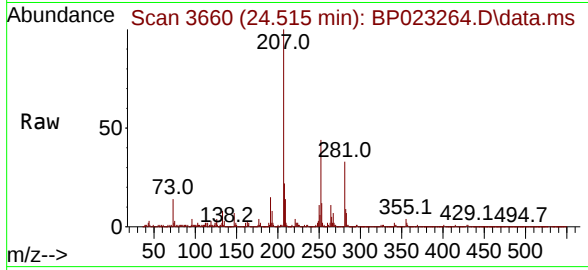
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 59898 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 23.9  | 17.4  | 26.2  |
| 125       | 5.5   | 3.7   | 5.5   |





#93  
Benzo(a)pyrene  
Concen: 1.060 ng/ul m  
RT: 24.515 min Scan# 30  
Delta R.T. 0.029 min  
Lab File: BP023264.D  
Acq: 21 Nov 2024 00:29

Instrument :  
BNA\_P  
ClientSampleId :  
E29X3



|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 4092      |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 26.8  | 17.6 26.4 |
| 125         | 5.7   | 4.2 6.2   |

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