

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP102124\  
 Data File : BP022512.D  
 Acq On : 21 Oct 2024 19:30  
 Operator : RC/JU  
 Sample : P4429-07  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4FA5

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/22/2024  
 Supervised By :mohammad ahmed 10/25/2024

Quant Time: Oct 22 01:33:09 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 18 11:08:24 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.664  | 152  | 98089    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.416 | 136  | 369307   | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.287 | 164  | 281298   | 20.000 | ng/u1  | 0.01     |
| 64) Phenanthrene-d10          | 17.075 | 188  | 677606   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.510 | 240  | 706183   | 20.000 | ng/u1  | 0.01     |
| 88) Perylene-d12              | 24.774 | 264  | 842549   | 20.000 | ng/u1  | 0.02     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.199  | 96   | 4829m    | 1.913  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/u1  |          |
| 7) Phenol-d5                  | 6.852  | 99   | 91769    | 11.114 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.005  | 67   | 58730    | 12.102 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.205  | 132  | 72105    | 12.307 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.363  | 113  | 67282    | 10.211 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.805  | 128  | 36296    | 12.782 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.510  | 143  | 40823    | 12.418 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.052 | 165  | 83243    | 11.914 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.557 | 131  | 63130    | 7.646  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.681 | 166  | 283400   | 12.680 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.975 | 160  | 297125   | 12.517 | ng/u1  | 0.01     |
| 54) 4-Nitrophenol-d4          | 14.534 | 143  | 27695m   | 7.386  | ng/u1  | 0.03     |
| 60) Fluorene-d10              | 15.287 | 176  | 250648   | 12.930 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.416 | 200  | 29357    | 6.587  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.175 | 188  | 416745   | 13.074 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.551 | 212  | 452347   | 12.113 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.545 | 264  | 383673   | 8.527  | ng/u1  | 0.02     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 8) Phenol                     | 6.881  | 94   | 9808     | 1.142  | ng/u1  | 96       |
| 16) Acetophenone              | 8.475  | 105  | 34731    | 3.193  | ng/u1  | 92       |
| 72) Phenanthrene              | 17.116 | 178  | 133833   | 3.692  | ng/u1  | 98       |
| 80) Fluoranthene              | 19.204 | 202  | 277906   | 6.473  | ng/u1  | 100      |
| 82) Pyrene                    | 19.581 | 202  | 181625   | 3.947  | ng/u1  | 99       |
| 85) Benzo(a)anthracene        | 21.492 | 228  | 122462   | 2.474  | ng/u1  | 97       |
| 87) Chrysene                  | 21.551 | 228  | 117862   | 2.568  | ng/u1  | 98       |
| 90) Benzo(b)fluoranthene      | 23.739 | 252  | 160037   | 3.018  | ng/u1  | 96       |
| 91) Benzo(k)fluoranthene      | 23.804 | 252  | 53654m   | 1.033  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 24.616 | 252  | 56040    | 1.148  | ng/u1# | 97       |
| -----                         |        |      |          |        |        |          |

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

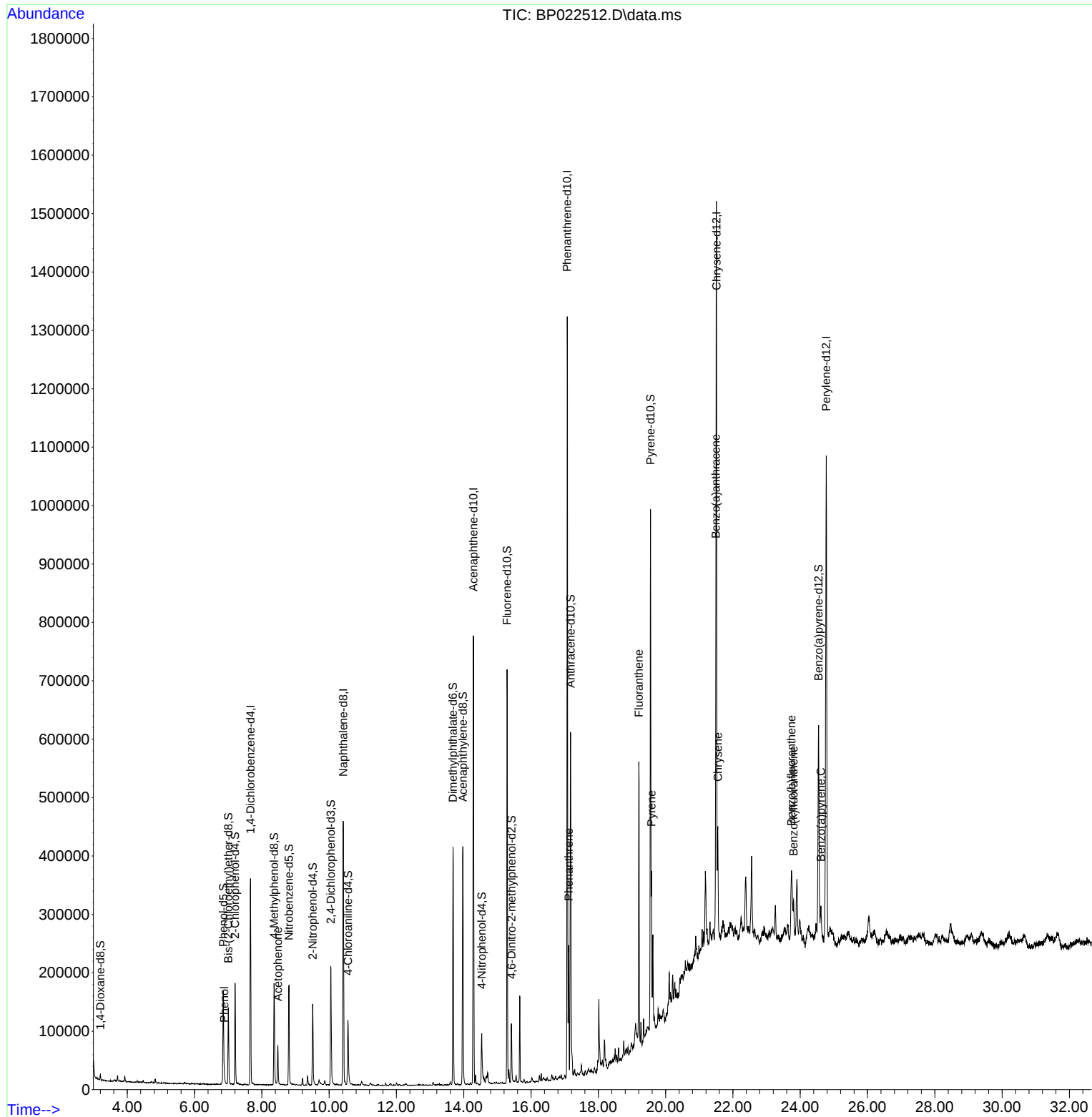
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP102124\  
Data File : BP022512.D  
Acq On : 21 Oct 2024 19:30  
Operator : RC/JU  
Sample : P4429-07  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

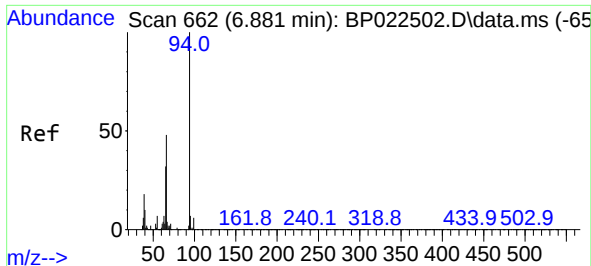
Instrument :  
BNA\_P  
ClientSampleId :  
A4FA5

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/22/2024  
Supervised By :mohammad ahmed 10/25/2024

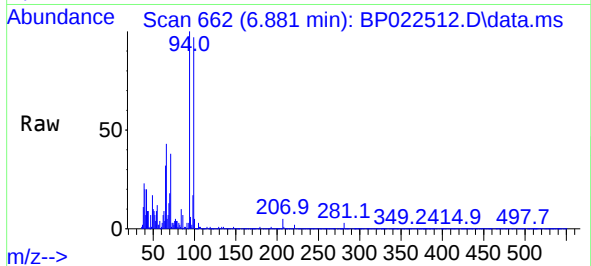
Quant Time: Oct 22 01:33:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 18 11:08:24 2024  
Response via : Initial Calibration





#8  
Phenol  
Concen: 1.142 ng/u1  
RT: 6.881 min Scan# 662  
Delta R.T. 0.000 min  
Lab File: BP022512.D  
Acq: 21 Oct 2024 19:30

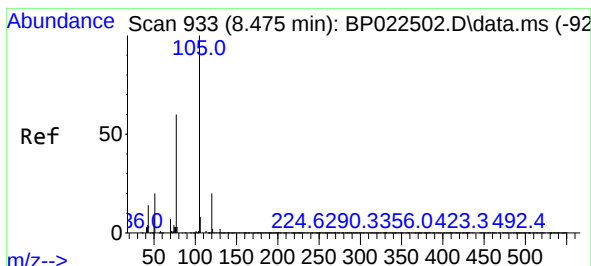
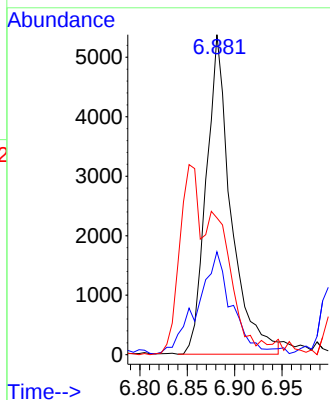
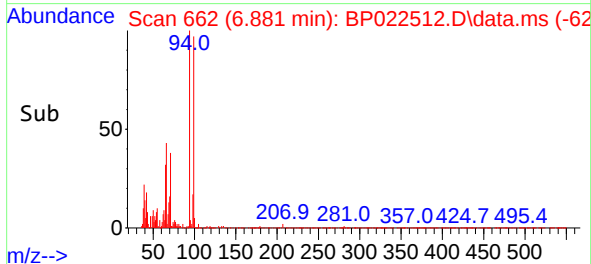
Instrument :  
BNA\_P  
ClientSampleId :  
A4FA5



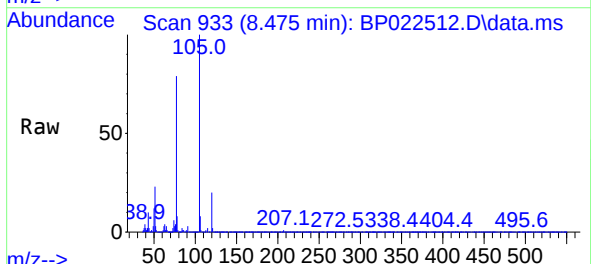
Tgt Ion: 94 Resp: 9808  
Ion Ratio Lower Upper  
94 100  
65 32.1 25.9 38.9  
66 42.8 37.6 56.4

Manual Integrations  
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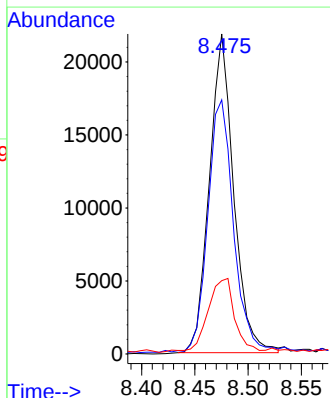
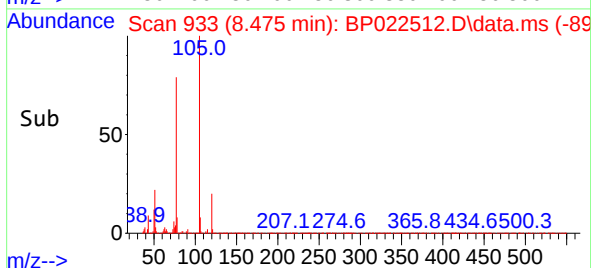
Reviewed By :Yogesh Patel 10/22/2024  
Supervised By :mohammad ahmed 10/25/2024

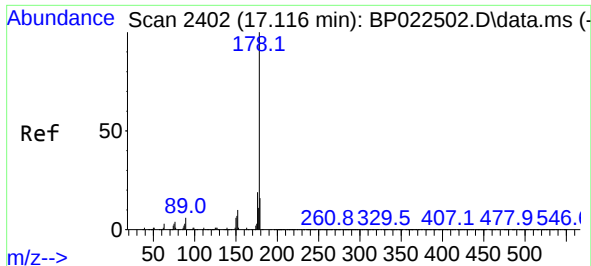


#16  
Acetophenone  
Concen: 3.193 ng/u1  
RT: 8.475 min Scan# 933  
Delta R.T. 0.006 min  
Lab File: BP022512.D  
Acq: 21 Oct 2024 19:30



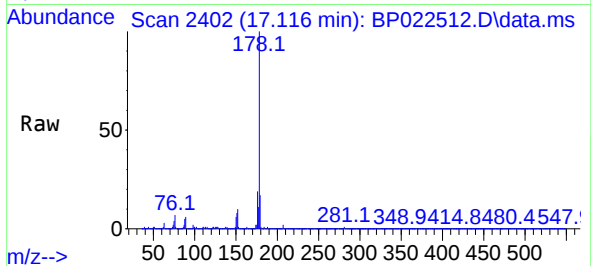
Tgt Ion:105 Resp: 34731  
Ion Ratio Lower Upper  
105 100  
77 79.4 69.0 103.4  
51 22.9 22.6 33.8





#72  
Phenanthrene  
Concen: 3.692 ng/ul  
RT: 17.116 min Scan# 2402  
Delta R.T. 0.000 min  
Lab File: BP022512.D  
Acq: 21 Oct 2024 19:30

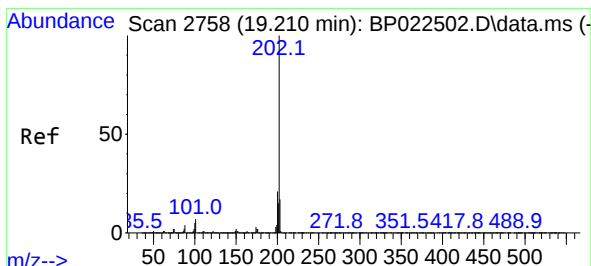
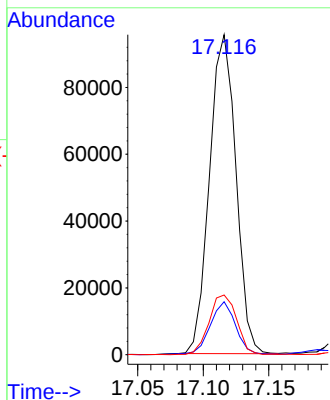
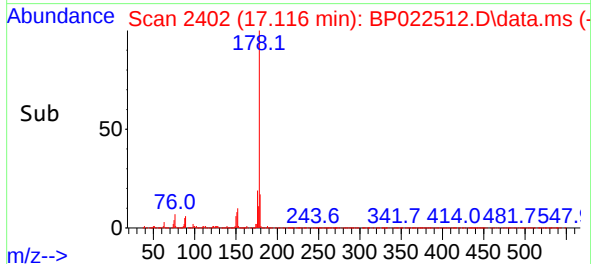
Instrument :  
BNA\_P  
ClientSampleId :  
A4FA5



Tgt Ion:178 Resp: 13383  
Ion Ratio Lower Upper  
178 100  
179 16.5 12.2 18.4  
176 18.7 15.7 23.5

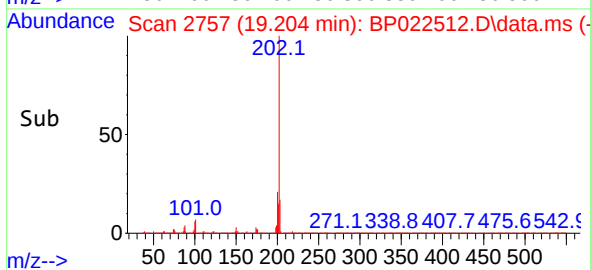
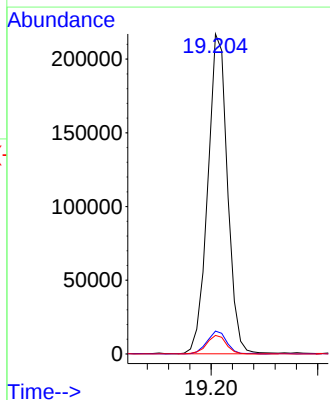
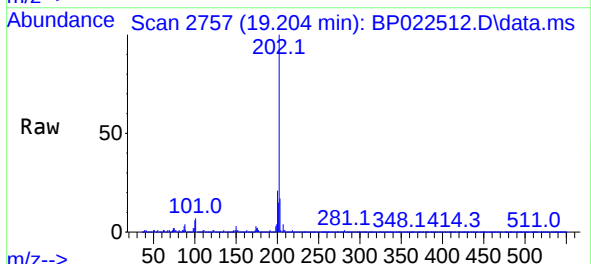
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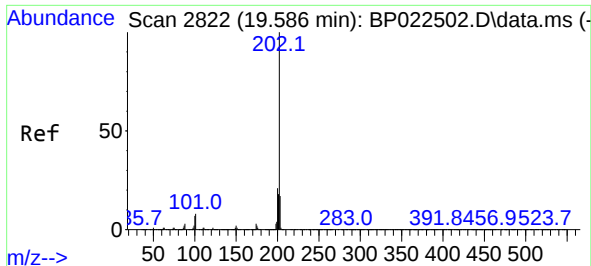
Reviewed By :Yogesh Patel 10/22/2024  
Supervised By :mohammad ahmed 10/25/2024



#80  
Fluoranthene  
Concen: 6.473 ng/ul  
RT: 19.204 min Scan# 2757  
Delta R.T. -0.005 min  
Lab File: BP022512.D  
Acq: 21 Oct 2024 19:30

Tgt Ion:202 Resp: 277906  
Ion Ratio Lower Upper  
202 100  
101 7.2 5.8 8.8  
100 5.8 4.5 6.7





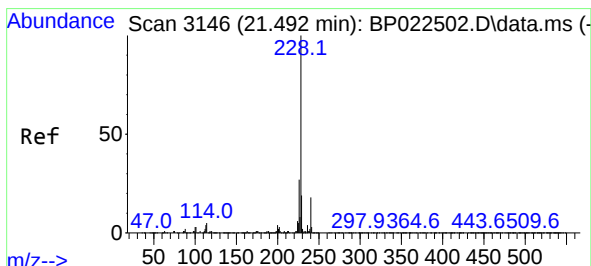
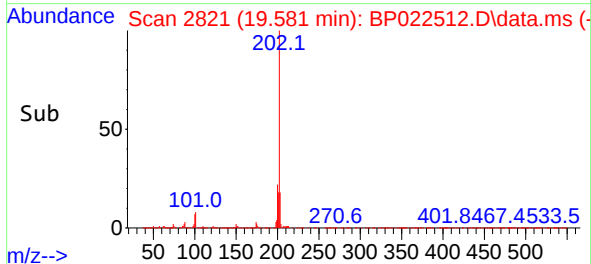
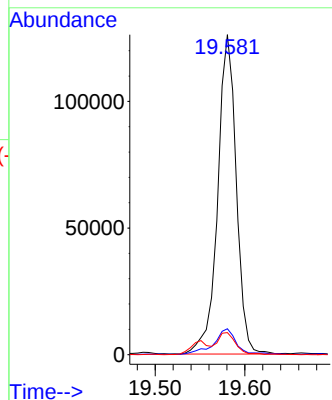
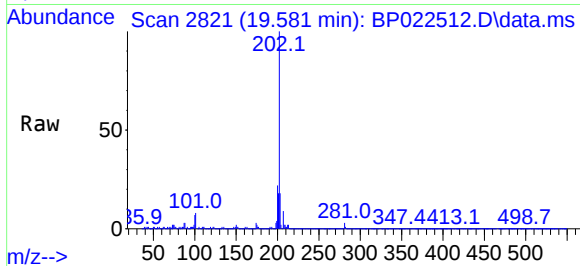
#82  
Pyrene  
Concen: 3.947 ng/ul  
RT: 19.581 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: BP022512.D  
Acq: 21 Oct 2024 19:30

Instrument :  
BNA\_P  
ClientSampleId :  
A4FA5

Tgt Ion:202 Resp: 18162  
Ion Ratio Lower Upper  
202 100  
101 8.1 6.7 10.1  
100 6.9 5.8 8.6

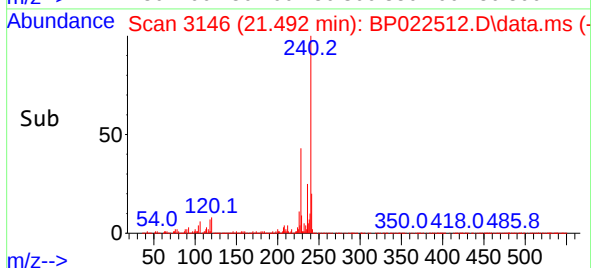
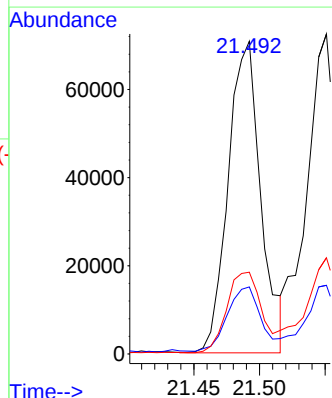
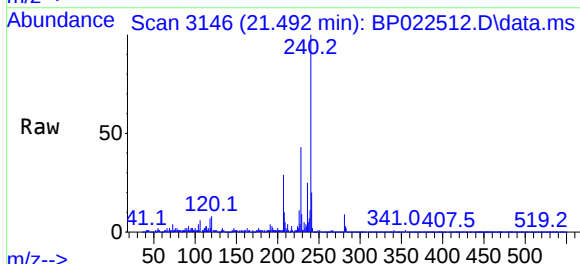
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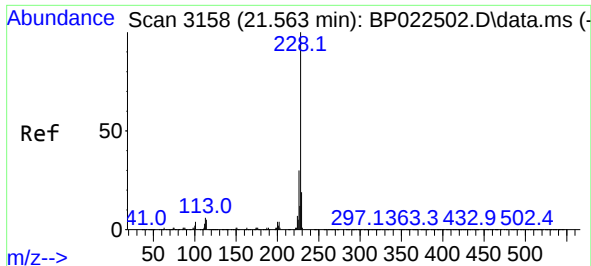
Reviewed By :Yogesh Patel 10/22/2024  
Supervised By :mohammad ahmed 10/25/2024



#85  
Benzo(a)anthracene  
Concen: 2.474 ng/ul  
RT: 21.492 min Scan# 3146  
Delta R.T. 0.012 min  
Lab File: BP022512.D  
Acq: 21 Oct 2024 19:30

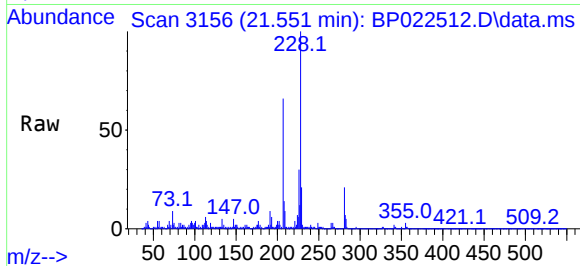
Tgt Ion:228 Resp: 122462  
Ion Ratio Lower Upper  
228 100  
229 21.5 15.4 23.0  
226 26.1 21.5 32.3





#87  
Chrysene  
Concen: 2.568 ng/u1  
RT: 21.551 min Scan# 3156  
Delta R.T. 0.006 min  
Lab File: BP022512.D  
Acq: 21 Oct 2024 19:30

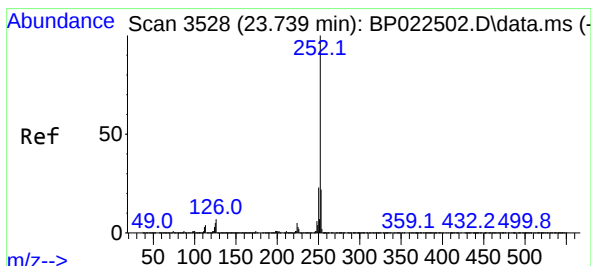
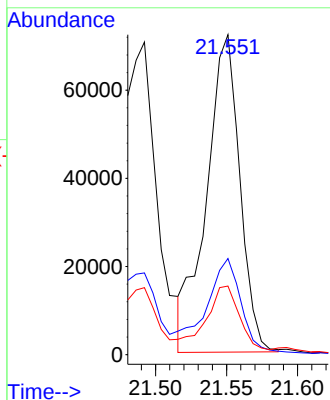
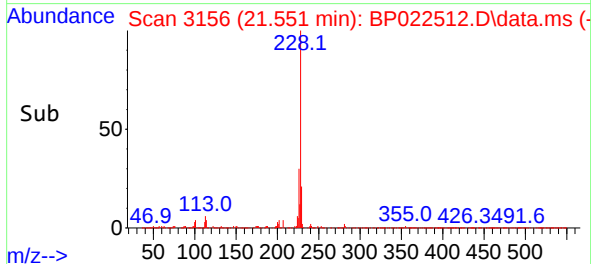
Instrument :  
BNA\_P  
ClientSampleId :  
A4FA5



Tgt Ion:228 Resp: 117862  
Ion Ratio Lower Upper  
228 100  
226 30.1 23.8 35.8  
229 21.5 15.5 23.3

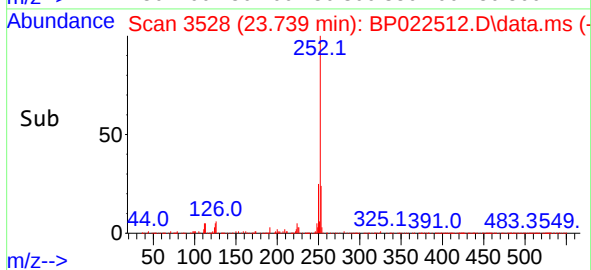
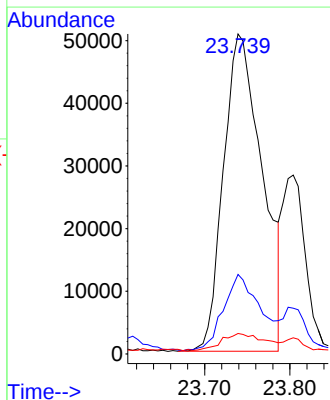
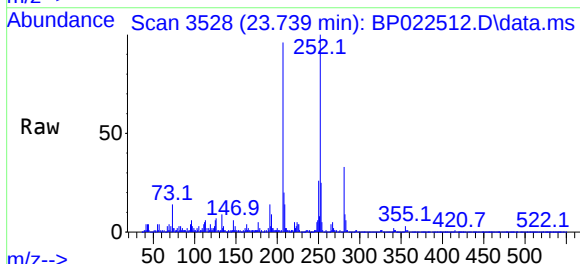
Manual Integrations  
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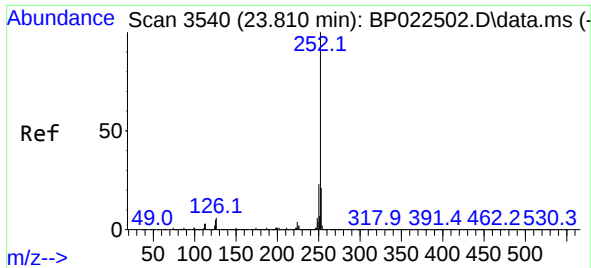
Reviewed By :Yogesh Patel 10/22/2024  
Supervised By :mohammad ahmed 10/25/2024



#90  
Benzo(b)fluoranthene  
Concen: 3.018 ng/u1  
RT: 23.739 min Scan# 3528  
Delta R.T. 0.018 min  
Lab File: BP022512.D  
Acq: 21 Oct 2024 19:30

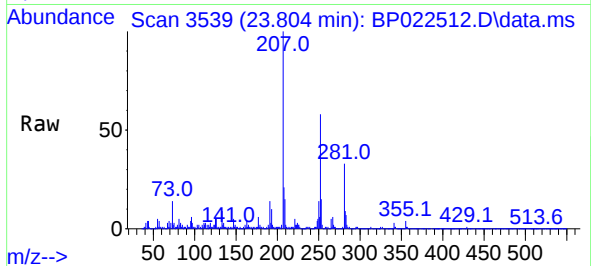
Tgt Ion:252 Resp: 160037  
Ion Ratio Lower Upper  
252 100  
253 24.8 17.8 26.8  
125 6.4 5.0 7.4





#91  
Benzo(k)fluoranthene  
Concen: 1.033 ng/ul m  
RT: 23.804 min Scan# 3540  
Delta R.T. 0.012 min  
Lab File: BP022512.D  
Acq: 21 Oct 2024 19:30

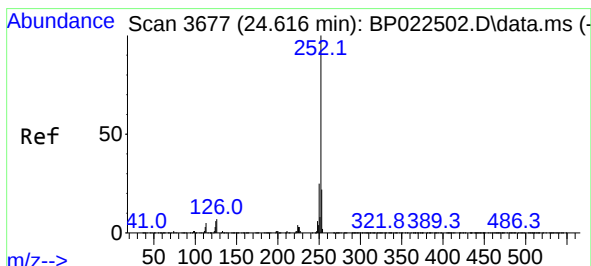
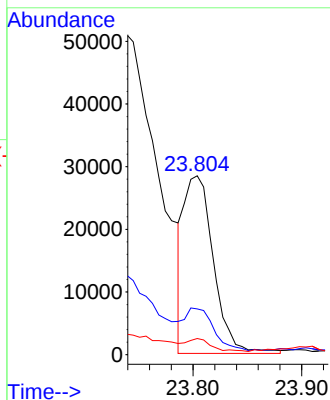
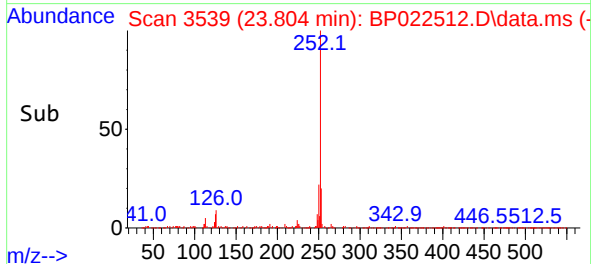
Instrument :  
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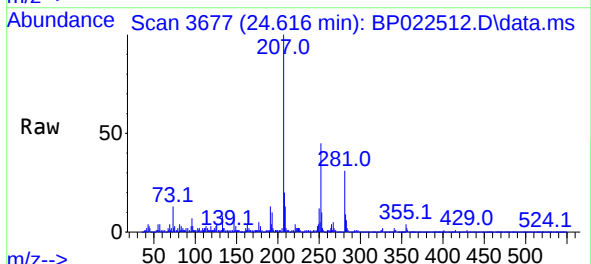
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Ion Ratio Lower Upper  
252 100  
253 25.6 17.4 26.0  
125 9.0 4.6 6.8

Manual Integrations  
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#93  
Benzo(a)pyrene  
Concen: 1.148 ng/ul  
RT: 24.616 min Scan# 3677  
Delta R.T. 0.012 min  
Lab File: BP022512.D  
Acq: 21 Oct 2024 19:30



Tgt Ion:252 Resp: 56040  
Ion Ratio Lower Upper  
252 100  
253 23.4 17.7 26.5  
125 7.7 4.9 7.3

