

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP102124\  
 Data File : BP022551.D  
 Acq On : 23 Oct 2024 00:34  
 Operator : RC/JU  
 Sample : P4414-21  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4F82

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/23/2024  
 Supervised By :mohammad ahmed 10/25/2024

Quant Time: Oct 23 02:19:11 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 22 05:59:59 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.658  | 152  | 119372   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.416 | 136  | 463231   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.275 | 164  | 363488   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.075 | 188  | 819474   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.498 | 240  | 784614   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.763 | 264  | 944446   | 20.000 | ng/u1  | 0.01     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.205  | 96   | 4992     | 1.625  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.628  | 84   | 13288m   | 1.576  | ng/u1  | 0.02     |
| 7) Phenol-d5                  | 6.858  | 99   | 85314    | 8.490  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.005  | 67   | 53452    | 9.051  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.205  | 132  | 67121    | 9.414  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.364  | 113  | 63496    | 7.918  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.799  | 128  | 32923    | 9.243  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.511  | 143  | 38232    | 9.271  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.052 | 165  | 77680    | 8.863  | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.563 | 131  | 50389    | 4.866  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.681 | 166  | 291999   | 10.111 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.963 | 160  | 295481   | 9.633  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.516 | 143  | 30347m   | 6.264  | ng/u1  | 0.01     |
| 60) Fluorene-d10              | 15.275 | 176  | 256918   | 10.256 | ng/u1  | -0.02    |
| 65) 4,6-Dinitro-2-methylph... | 15.422 | 200  | 20291    | 3.765  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.163 | 188  | 411088   | 10.664 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.557 | 212  | 452747   | 10.912 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.533 | 264  | 378177   | 7.498  | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 8) Phenol                     | 6.887  | 94   | 12533    | 1.199  | ng/u1  | 93       |
| 16) Acetophenone              | 8.475  | 105  | 61366    | 4.635  | ng/u1  | 88       |
| 72) Phenanthrene              | 17.110 | 178  | 240113   | 5.477  | ng/u1  | 99       |
| 74) Anthracene                | 17.204 | 178  | 54700    | 1.250  | ng/u1  | 99       |
| 80) Fluoranthene              | 19.204 | 202  | 481237   | 10.089 | ng/u1  | 99       |
| 82) Pyrene                    | 19.586 | 202  | 362985   | 7.100  | ng/u1  | 98       |
| 85) Benzo(a)anthracene        | 21.480 | 228  | 238233   | 4.331  | ng/u1  | 95       |
| 86) Bis(2-ethylhexyl)phtha... | 21.416 | 149  | 41986    | 1.643  | ng/u1  | 99       |
| 87) Chrysene                  | 21.545 | 228  | 234573   | 4.599  | ng/u1  | 97       |
| 90) Benzo(b)fluoranthene      | 23.733 | 252  | 288604   | 4.855  | ng/u1  | 98       |
| 91) Benzo(k)fluoranthene      | 23.804 | 252  | 103457   | 1.777  | ng/u1# | 92       |
| 93) Benzo(a)pyrene            | 24.604 | 252  | 117274   | 2.143  | ng/u1# | 93       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.462 | 276  | 111394m  | 1.526  | ng/u1  |          |
| -----                         |        |      |          |        |        |          |

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

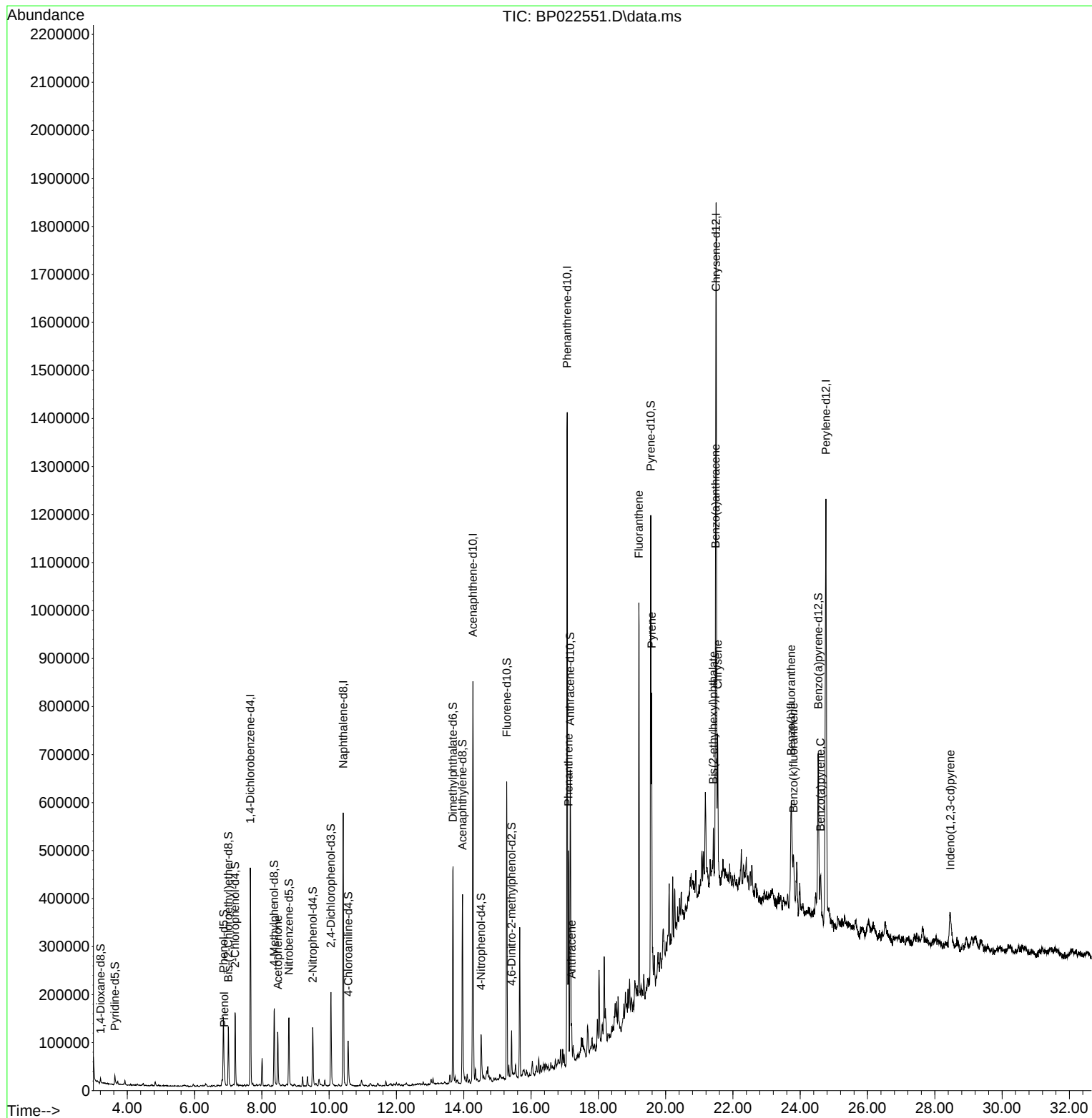
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP102124\  
Data File : BP022551.D  
Acq On : 23 Oct 2024 00:34  
Operator : RC/JU  
Sample : P4414-21  
Misc :  
ALS Vial : 52 Sample Multiplier: 1

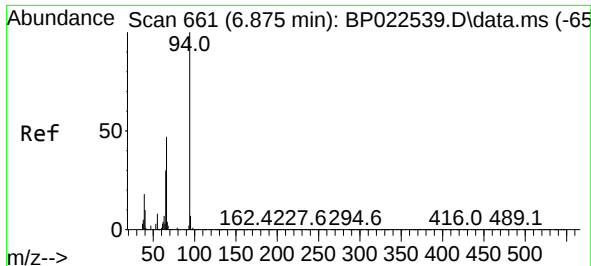
Instrument :  
BNA\_P  
ClientSampleId :  
A4F82

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/23/2024  
Supervised By :mohammad ahmed 10/25/2024

Quant Time: Oct 23 02:19:11 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Oct 22 05:59:59 2024  
Response via : Initial Calibration





#8

Phenol

Concen: 1.199 ng/ul

RT: 6.887 min Scan# 60

Delta R.T. 0.006 min

Lab File: BP022551.D

Acq: 23 Oct 2024 00:34

Instrument :

BNA\_P

ClientSampleId :

A4F82

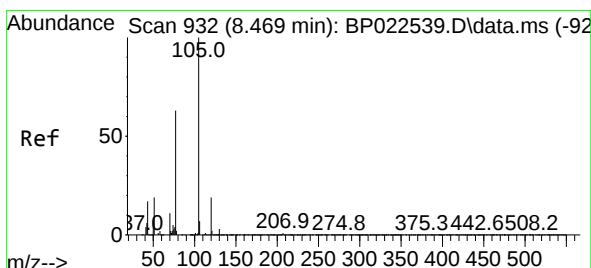
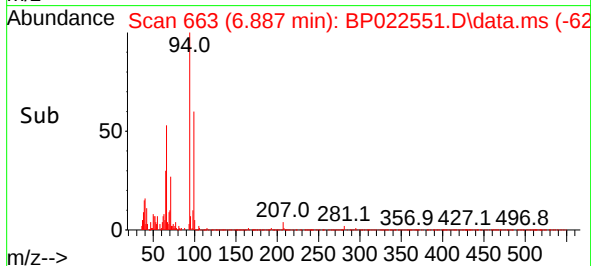
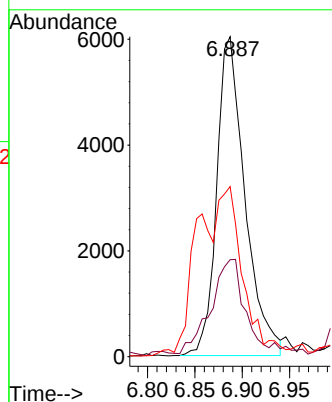
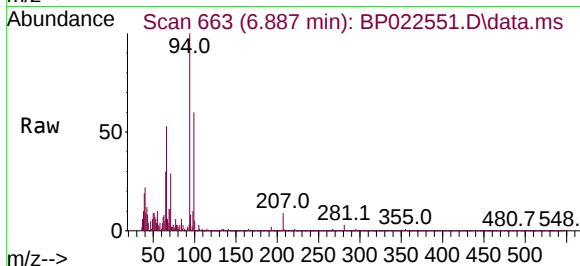
|             |             |
|-------------|-------------|
| Tgt Ion: 94 | Resp: 1253  |
| Ion Ratio   | Lower Upper |
| 94 100      |             |
| 65 30.3     | 25.9 38.9   |
| 66 53.1     | 37.6 56.4   |

Manual Integrations

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Reviewed By :Yogesh Patel 10/23/2024

Supervised By :mohammad ahmed 10/25/2024



#16

Acetophenone

Concen: 4.635 ng/ul

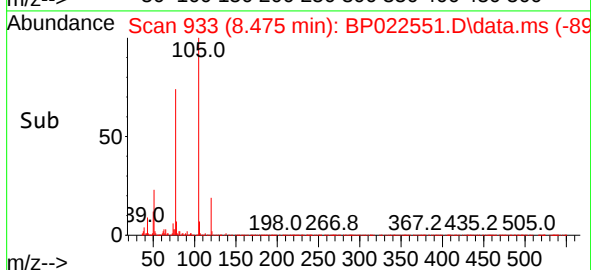
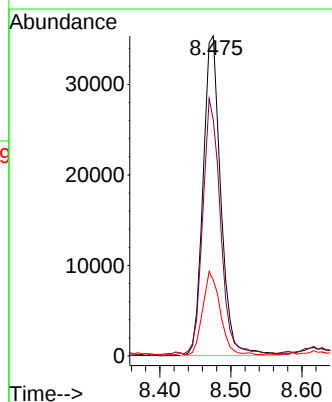
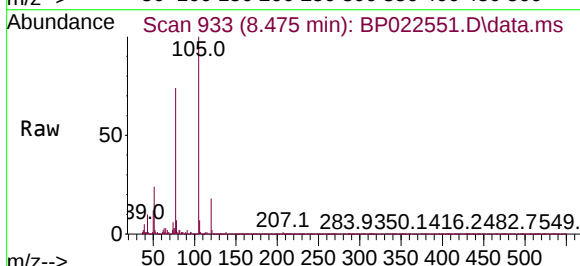
RT: 8.475 min Scan# 933

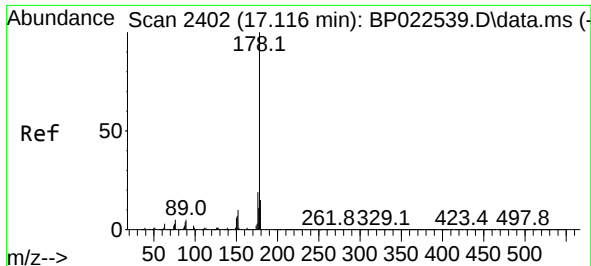
Delta R.T. 0.006 min

Lab File: BP022551.D

Acq: 23 Oct 2024 00:34

|             |             |
|-------------|-------------|
| Tgt Ion:105 | Resp: 61366 |
| Ion Ratio   | Lower Upper |
| 105 100     |             |
| 77 73.8     | 69.0 103.4  |
| 51 23.6     | 22.6 33.8   |





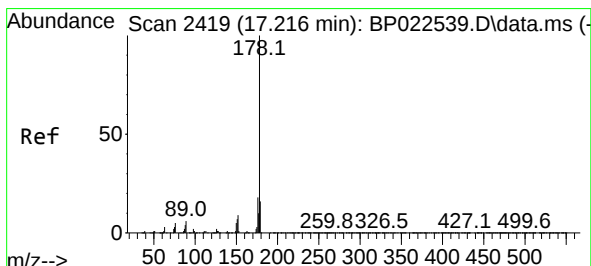
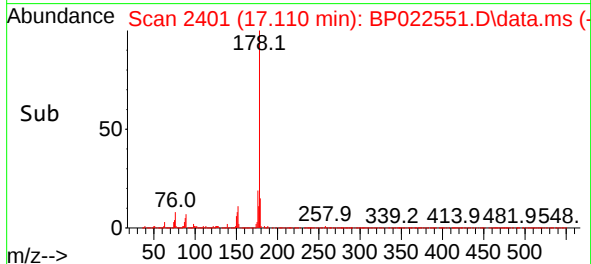
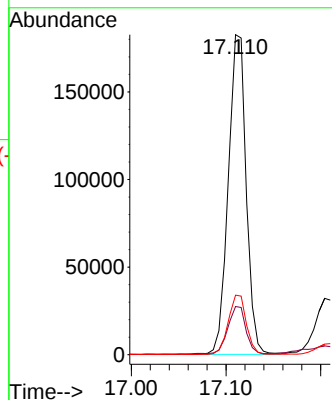
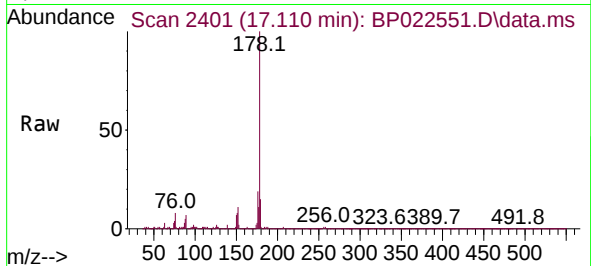
#72  
Phenanthrene  
Concen: 5.477 ng/ul  
RT: 17.110 min Scan# 2401  
Delta R.T. -0.005 min  
Lab File: BP022551.D  
Acq: 23 Oct 2024 00:34

Instrument :  
BNA\_P  
ClientSampleId :  
A4F82

Tgt Ion:178 Resp: 24011  
Ion Ratio Lower Upper  
178 100  
179 15.1 12.2 18.4  
176 18.6 15.7 23.5

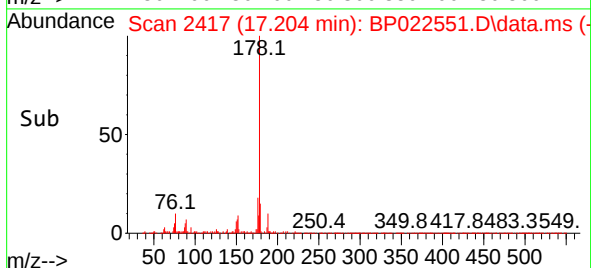
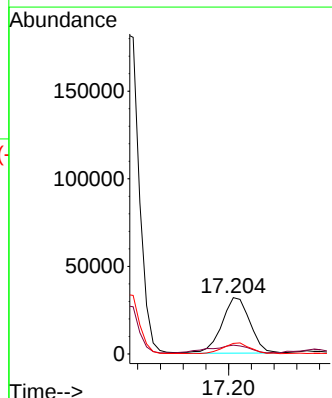
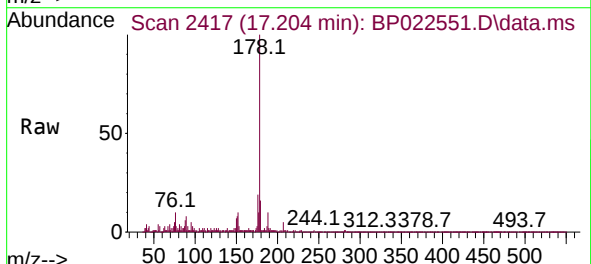
Manual Integrations  
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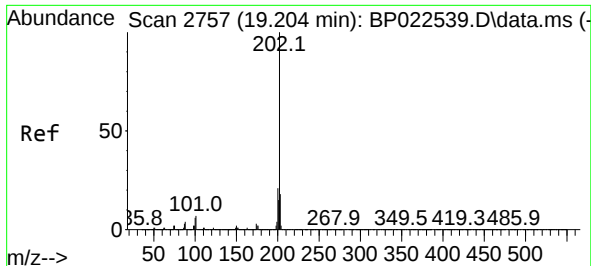
Reviewed By :Yogesh Patel 10/23/2024  
Supervised By :mohammad ahmed 10/25/2024



#74  
Anthracene  
Concen: 1.250 ng/ul  
RT: 17.204 min Scan# 2417  
Delta R.T. 0.000 min  
Lab File: BP022551.D  
Acq: 23 Oct 2024 00:34

Tgt Ion:178 Resp: 54700  
Ion Ratio Lower Upper  
178 100  
179 15.7 12.0 18.0  
176 18.6 15.0 22.4





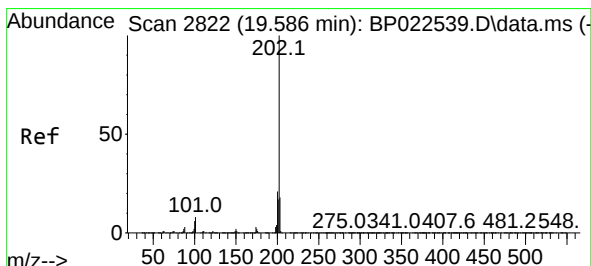
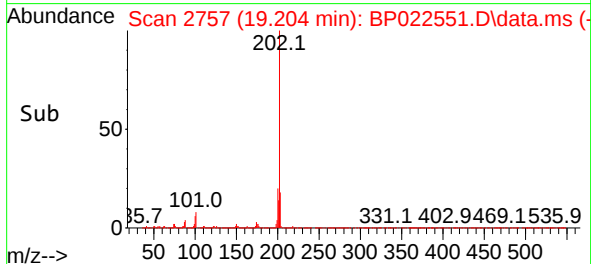
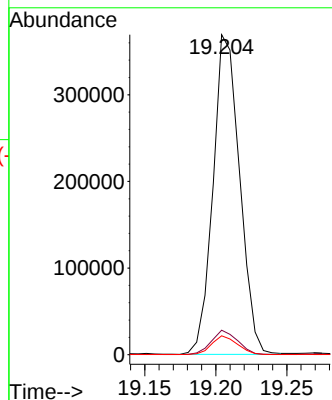
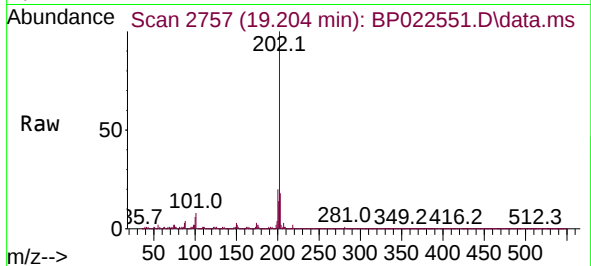
#80  
Fluoranthene  
Concen: 10.089 ng/u1  
RT: 19.204 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: BP022551.D  
Acq: 23 Oct 2024 00:34

Instrument :  
BNA\_P  
ClientSampleId :  
A4F82

Tgt Ion:202 Resp: 48123  
Ion Ratio Lower Upper  
202 100  
101 7.7 5.8 8.8  
100 5.9 4.5 6.7

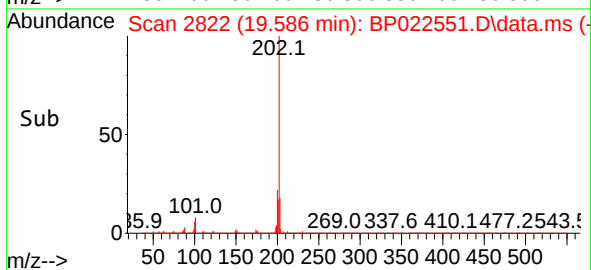
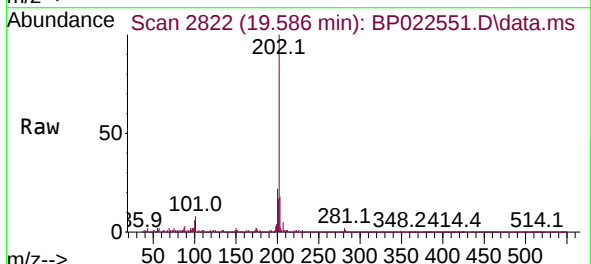
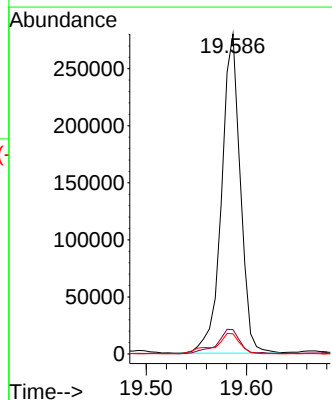
Manual Integrations  
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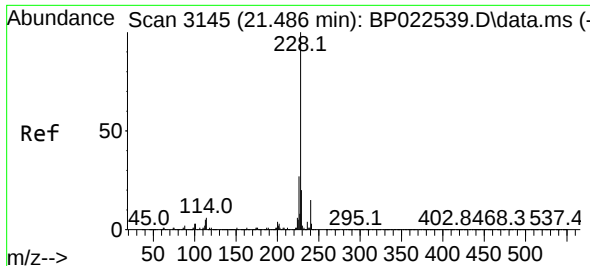
Reviewed By :Yogesh Patel 10/23/2024  
Supervised By :mohammad ahmed 10/25/2024



#82  
Pyrene  
Concen: 7.100 ng/u1  
RT: 19.586 min Scan# 2822  
Delta R.T. 0.000 min  
Lab File: BP022551.D  
Acq: 23 Oct 2024 00:34

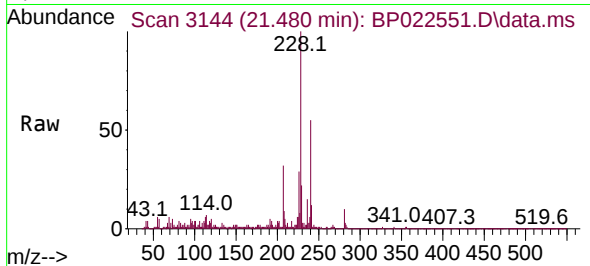
Tgt Ion:202 Resp: 362985  
Ion Ratio Lower Upper  
202 100  
101 7.6 6.7 10.1  
100 6.3 5.8 8.6





#85  
Benzo(a)anthracene  
Concen: 4.331 ng/ul  
RT: 21.480 min Scan# 3145  
Delta R.T. 0.000 min  
Lab File: BP022551.D  
Acq: 23 Oct 2024 00:34

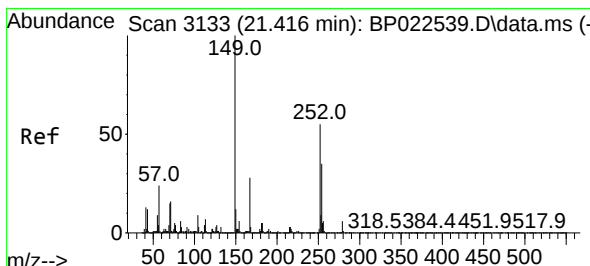
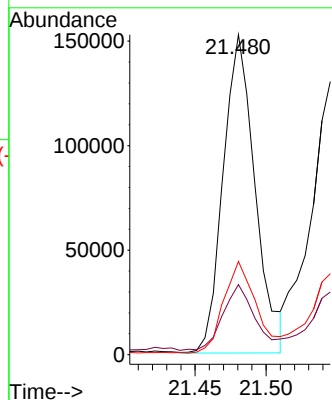
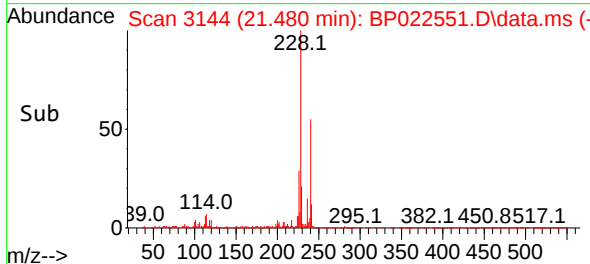
Instrument :  
BNA\_P  
ClientSampleId :  
A4F82



Tgt Ion:228 Resp: 23823  
Ion Ratio Lower Upper  
228 100  
229 21.9 15.4 23.0  
226 29.1 21.5 32.3

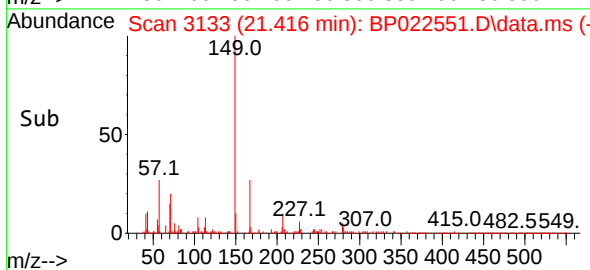
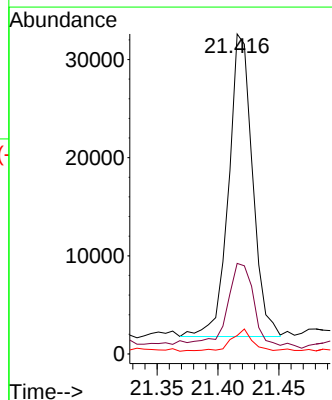
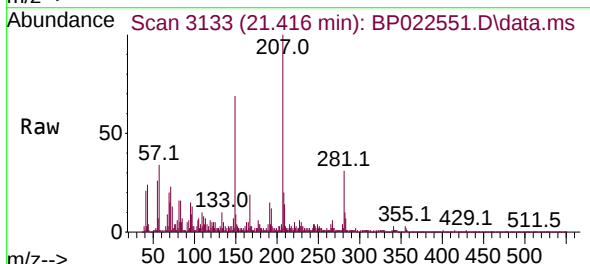
Manual Integrations  
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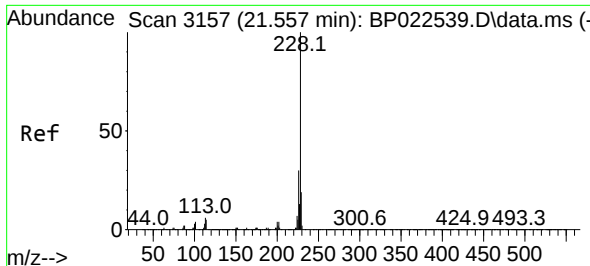
Reviewed By :Yogesh Patel 10/23/2024  
Supervised By :mohammad ahmed 10/25/2024



#86  
Bis(2-ethylhexyl)phthalate  
Concen: 1.643 ng/ul  
RT: 21.416 min Scan# 3133  
Delta R.T. 0.000 min  
Lab File: BP022551.D  
Acq: 23 Oct 2024 00:34

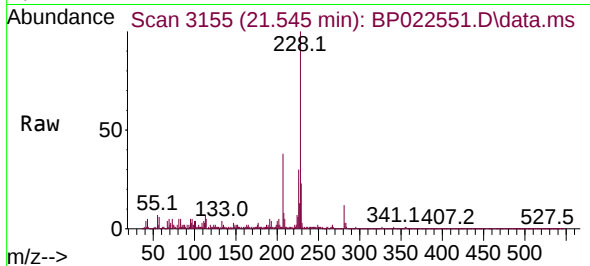
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Ion Ratio Lower Upper  
149 100  
167 28.3 23.0 34.4  
279 5.8 4.8 7.2





#87  
Chrysene  
Concen: 4.599 ng/ul  
RT: 21.545 min Scan# 3157  
Delta R.T. 0.000 min  
Lab File: BP022551.D  
Acq: 23 Oct 2024 00:34

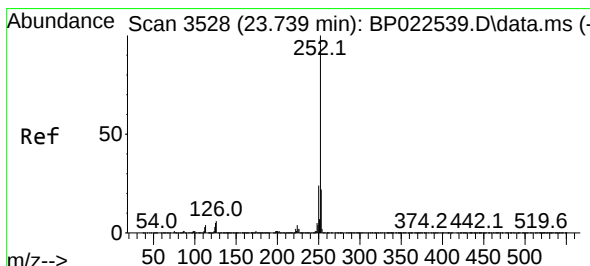
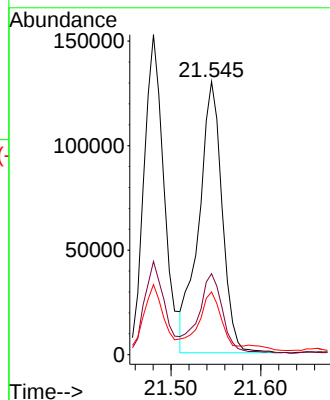
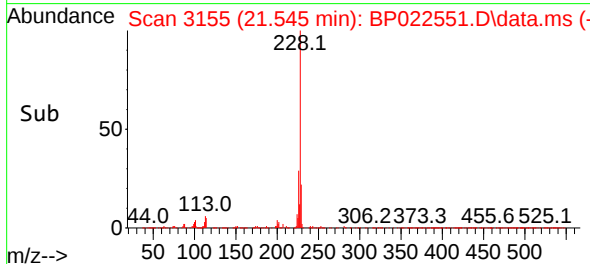
Instrument :  
BNA\_P  
ClientSampleId :  
A4F82



Tgt Ion:228 Resp: 23457  
Ion Ratio Lower Upper  
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229 23.0 15.5 23.3

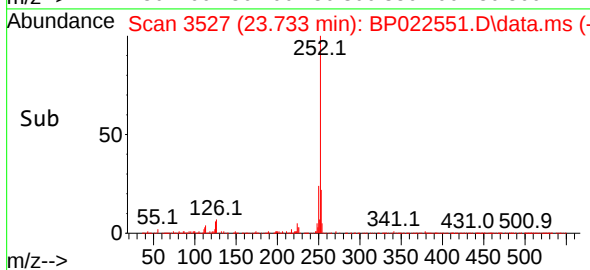
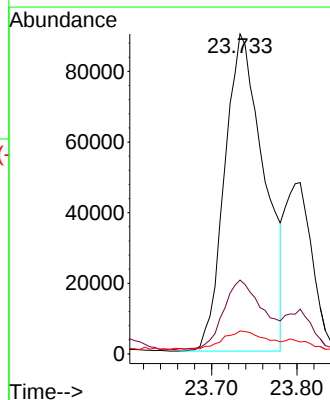
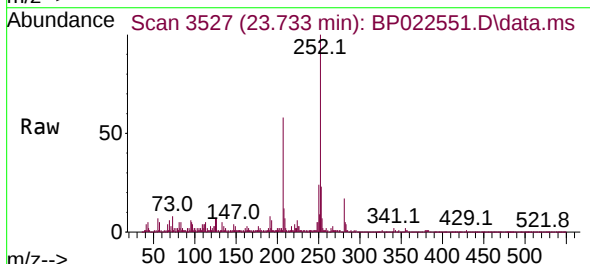
Manual Integrations  
APPROVED

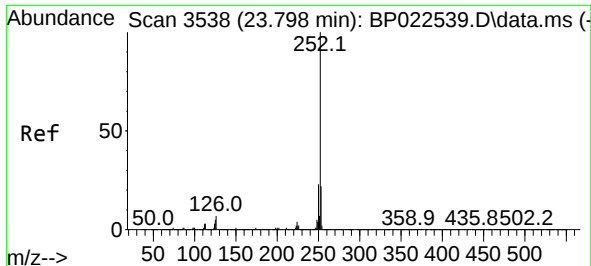
Reviewed By :Yogesh Patel 10/23/2024  
Supervised By :mohammad ahmed 10/25/2024



#90  
Benzo(b)fluoranthene  
Concen: 4.855 ng/ul  
RT: 23.733 min Scan# 3527  
Delta R.T. 0.012 min  
Lab File: BP022551.D  
Acq: 23 Oct 2024 00:34

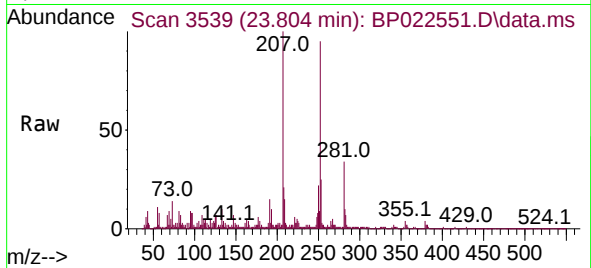
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Ion Ratio Lower Upper  
252 100  
253 23.1 17.8 26.8  
125 7.2 5.0 7.4





#91  
Benzo(k)fluoranthene  
Concen: 1.777 ng/ul  
RT: 23.804 min Scan# 3538  
Delta R.T. 0.012 min  
Lab File: BP022551.D  
Acq: 23 Oct 2024 00:34

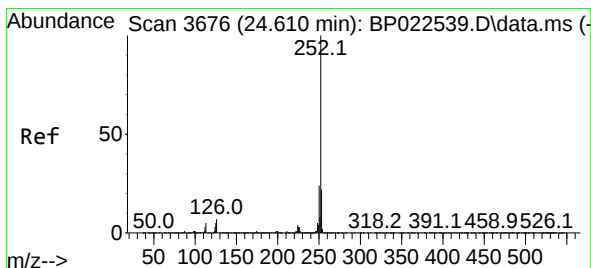
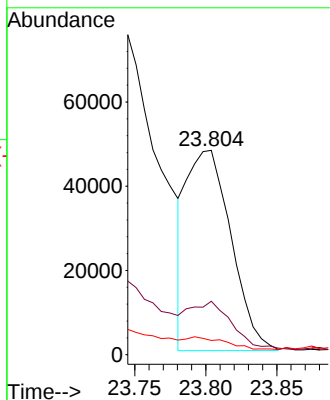
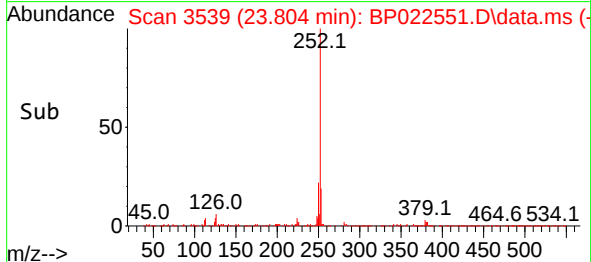
Instrument :  
BNA\_P  
ClientSampleId :  
A4F82



Tgt Ion:252 Resp: 10345  
Ion Ratio Lower Upper  
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253 26.2 17.4 26.0  
125 7.0 4.6 6.8

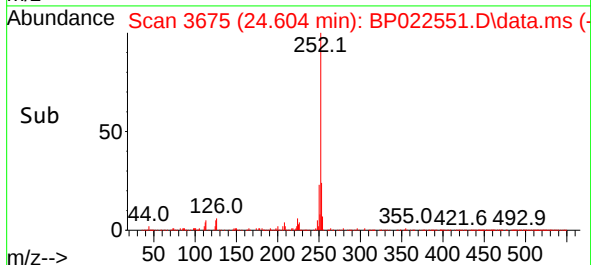
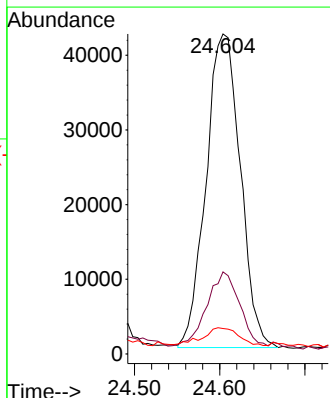
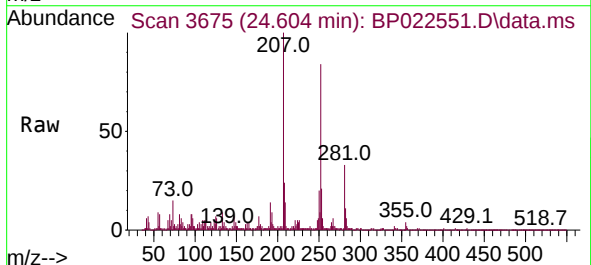
Manual Integrations  
APPROVED

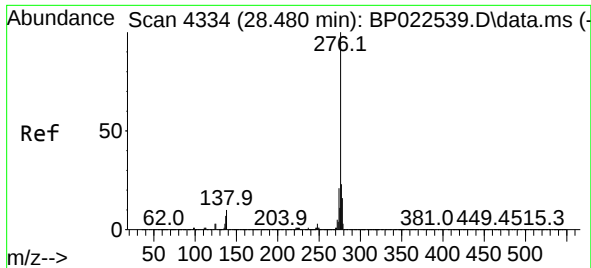
Reviewed By :Yogesh Patel 10/23/2024  
Supervised By :mohammad ahmed 10/25/2024



#93  
Benzo(a)pyrene  
Concen: 2.143 ng/ul  
RT: 24.604 min Scan# 3675  
Delta R.T. 0.000 min  
Lab File: BP022551.D  
Acq: 23 Oct 2024 00:34

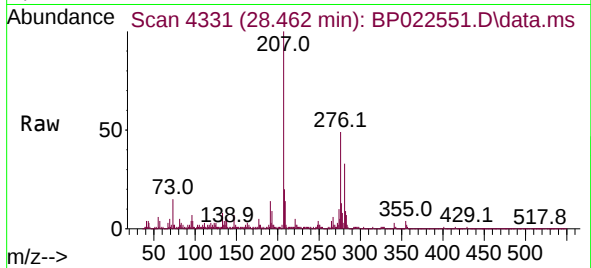
Tgt Ion:252 Resp: 117274  
Ion Ratio Lower Upper  
252 100  
253 25.7 17.7 26.5  
125 8.0 4.9 7.3





#94  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.526 ng/ul m  
 RT: 28.462 min Scan# 41  
 Delta R.T. 0.030 min  
 Lab File: BP022551.D  
 Acq: 23 Oct 2024 00:34

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4F82



Tgt Ion:276 Resp: 111394  
 Ion Ratio Lower Upper  
 276 100  
 138 10.9 9.1 13.7  
 277 26.3 18.6 27.8

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/23/2024  
 Supervised By :mohammad ahmed 10/25/2024

