

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092724\  
 Data File : BP022100.D  
 Acq On : 28 Sep 2024 11:42  
 Operator : RC/JU  
 Sample : P3910-02ME  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DDC75ME

Quant Time: Sep 29 06:23:39 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092424.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 24 15:23:13 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/01/2024  
 Supervised By :mohammad ahmed 10/01/2024

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| -----                         |        |      |          |          |        |          |
| Internal Standards            |        |      |          |          |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.699  | 152  | 95515    | 20.000   | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.458 | 136  | 363623   | 20.000   | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.310 | 164  | 297713   | 20.000   | ng/u1  | -0.01    |
| 64) Phenanthrene-d10          | 17.110 | 188  | 683893   | 20.000   | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.539 | 240  | 770102   | 20.000   | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.816 | 264  | 959605   | 20.000   | ng/u1  | 0.00     |
|                               |        |      |          |          |        |          |
| System Monitoring Compounds   |        |      |          |          |        |          |
| 3) 1,4-Dioxane-d8             | 3.223  | 96   | 7190     | 2.949    | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.640  | 84   | 95158    | 13.652   | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.887  | 99   | 129798   | 16.613   | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.040  | 67   | 81697    | 16.981   | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.246  | 132  | 103790   | 18.360   | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.399  | 113  | 105922   | 17.108   | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.840  | 128  | 52257    | 19.201   | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.552  | 143  | 60559    | 19.625   | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.087 | 165  | 126611   | 18.893   | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.599 | 131  | 150749   | 18.853   | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.716 | 166  | 438801   | 19.067   | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.999 | 160  | 477381   | 19.592   | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.534 | 143  | 54285    | 13.790   | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.316 | 176  | 394393   | 19.374   | ng/u1  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.440 | 200  | 64708    | 15.240   | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.210 | 188  | 642833   | 20.135   | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.586 | 212  | 810908   | 20.325   | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.598 | 264  | 983293m  | 19.482   | ng/u1  | -0.01    |
|                               |        |      |          |          |        |          |
| Target Compounds              |        |      |          |          | Qvalue |          |
| 30) Naphthalene               | 10.510 | 128  | 93082    | 4.865    | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.116 | 142  | 212495   | 14.945   | ng/u1  | 100      |
| 37) 1-Methylnaphthalene       | 12.334 | 142  | 125690   | 8.765    | ng/u1  | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.734 | 196  | 15203    | 2.304    | ng/u1  | 92       |
| 52) Acenaphthene              | 14.369 | 153  | 20664    | 1.119    | ng/u1# | 88       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.951 | 232  | 696303   | 101.234  | ng/u1  | 98       |
| 61) Fluorene                  | 15.369 | 166  | 23251    | 1.019    | ng/u1# | 87       |
| 71) Pentachlorophenol         | 16.775 | 266  | 7738558  | 1163.099 | ng/u1  | 98       |
| 72) Phenanthrene              | 17.151 | 178  | 142009   | 3.960    | ng/u1  | 95       |
| -----                         |        |      |          |          |        |          |

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

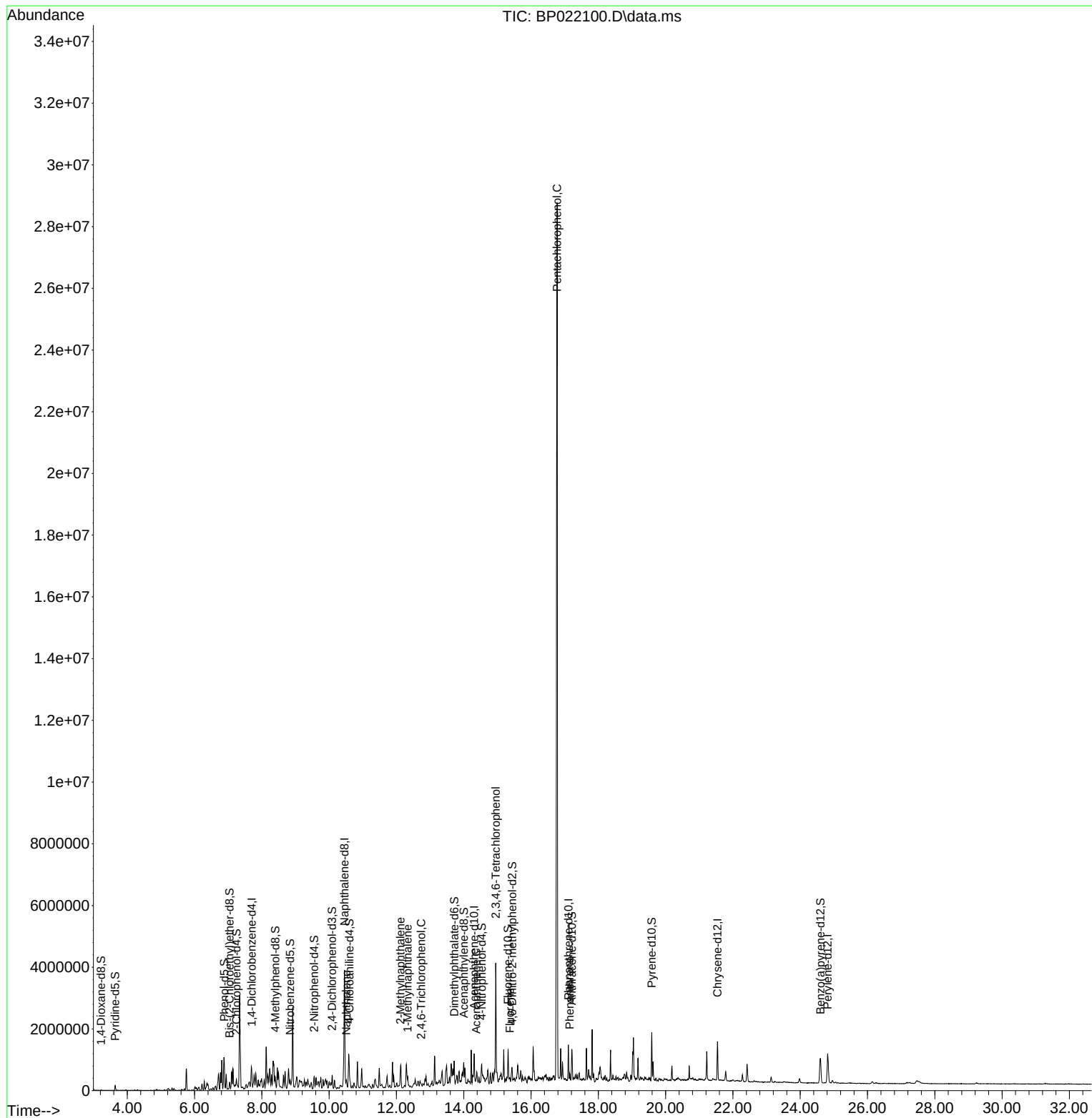
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092724\  
Data File : BP022100.D  
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Operator : RC/JU  
Sample : P3910-02ME  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

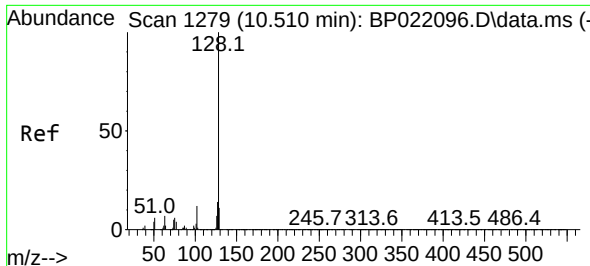
Instrument :  
BNA\_P  
ClientSampleId :  
DDC75ME

Quant Time: Sep 29 06:23:39 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092424.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Sep 24 15:23:13 2024  
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Manual Integrations  
APPROVED

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Supervised By :mohammad ahmed 10/01/2024





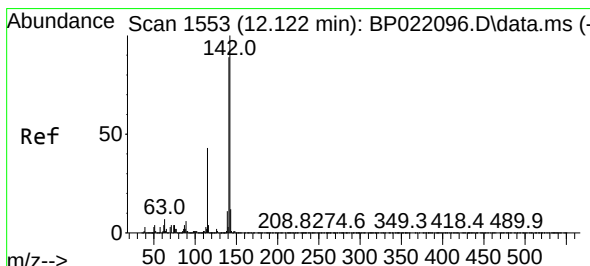
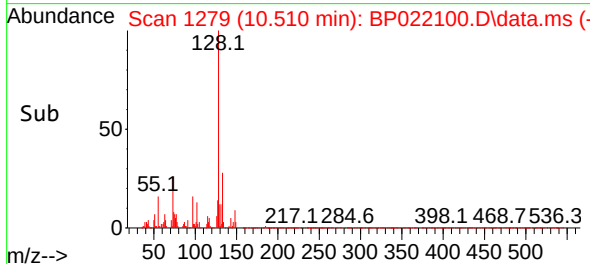
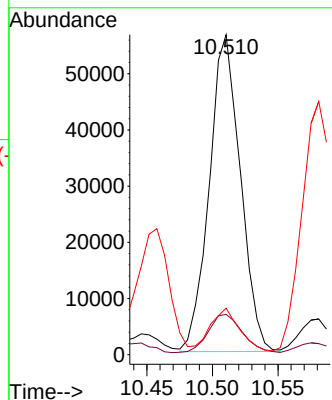
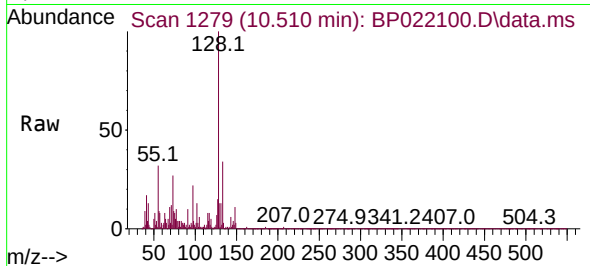
#30  
Naphthalene  
Concen: 4.865 ng/ul  
RT: 10.510 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BP022100.D  
Acq: 28 Sep 2024 11:42

Instrument :  
BNA\_P  
ClientSampleId :  
DDC75ME

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 12.6  | 8.9   | 13.3  |
| 127     | 14.5  | 10.9  | 16.3  |

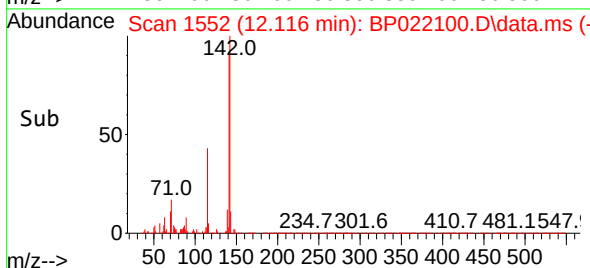
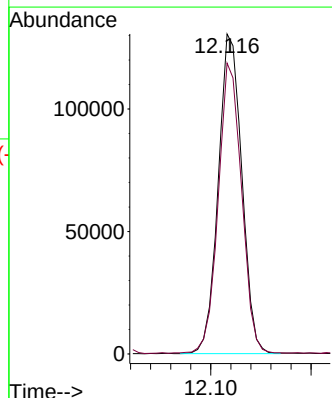
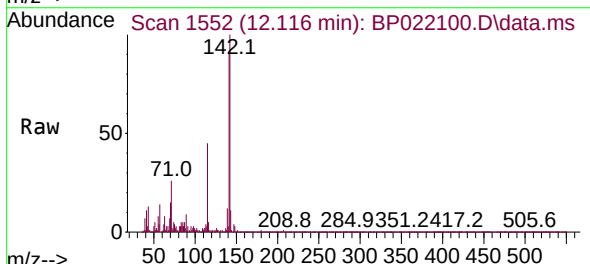
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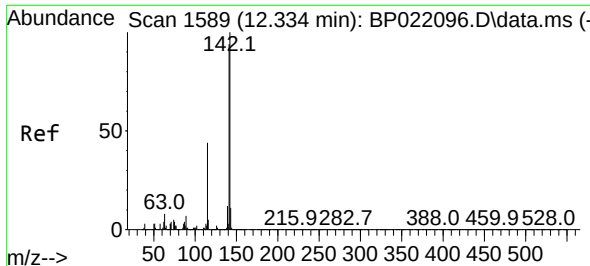
Reviewed By :Yogesh Patel 10/01/2024  
Supervised By :mohammad ahmed 10/01/2024



#36  
2-Methylnaphthalene  
Concen: 14.945 ng/ul  
RT: 12.116 min Scan# 1552  
Delta R.T. -0.012 min  
Lab File: BP022100.D  
Acq: 28 Sep 2024 11:42

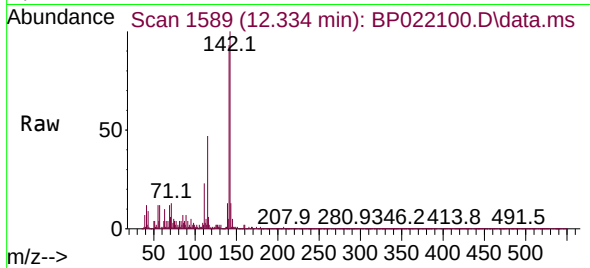
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.9  | 72.6  | 109.0 |





#37  
1-Methylnaphthalene  
Concen: 8.765 ng/ul  
RT: 12.334 min Scan# 1589  
Delta R.T. -0.012 min  
Lab File: BP022100.D  
Acq: 28 Sep 2024 11:42

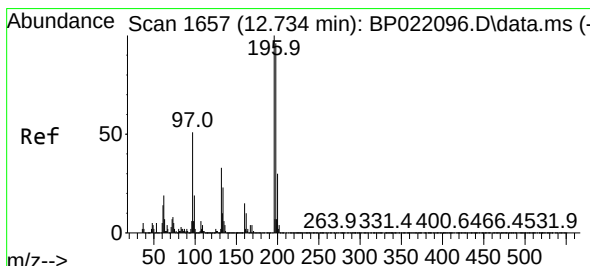
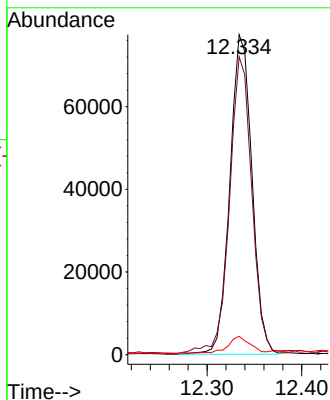
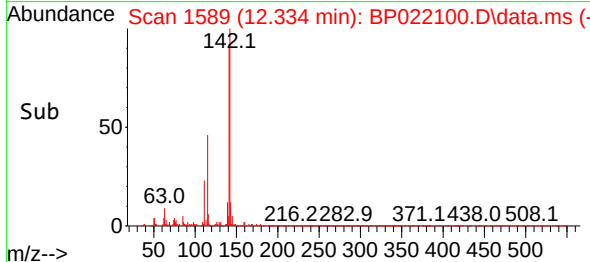
Instrument :  
BNA\_P  
ClientSampleId :  
DDC75ME



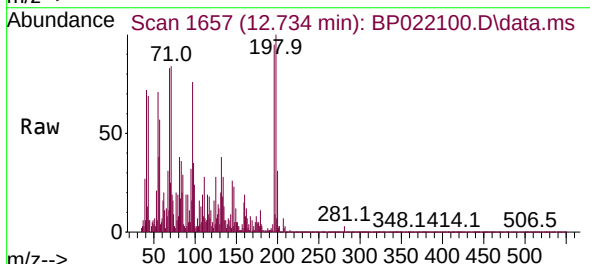
Tgt Ion:142 Resp: 125690  
Ion Ratio Lower Upper  
142 100  
141 93.1 74.6 111.8  
116 5.8 3.9 5.9

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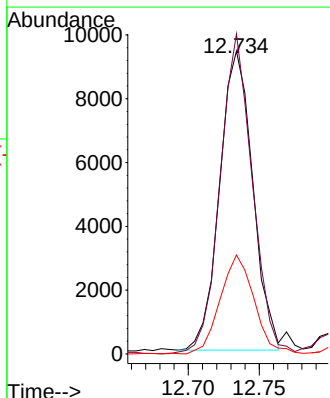
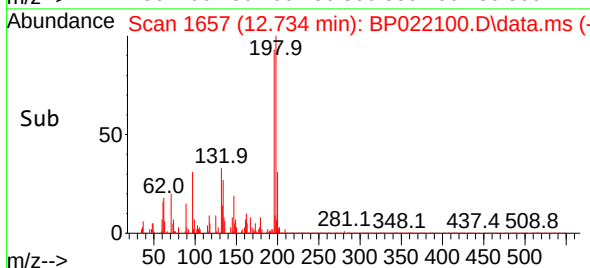
Reviewed By :Yogesh Patel 10/01/2024  
Supervised By :mohammad ahmed 10/01/2024

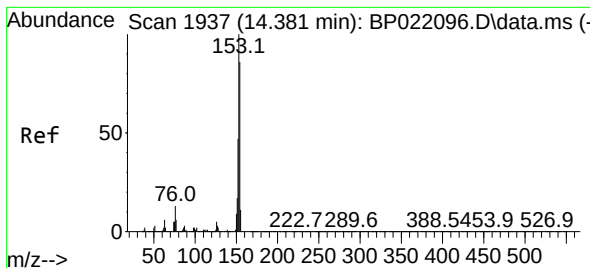


#41  
2,4,6-Trichlorophenol  
Concen: 2.304 ng/ul  
RT: 12.734 min Scan# 1657  
Delta R.T. -0.012 min  
Lab File: BP022100.D  
Acq: 28 Sep 2024 11:42



Tgt Ion:196 Resp: 15203  
Ion Ratio Lower Upper  
196 100  
198 105.6 77.6 116.4  
200 32.7 24.2 36.4





#52

Acenaphthene

Concen: 1.119 ng/ul

RT: 14.369 min Scan# 1937

Delta R.T. -0.017 min

Lab File: BP022100.D

Acq: 28 Sep 2024 11:42

Instrument :

BNA\_P

ClientSampleId :

DDC75ME

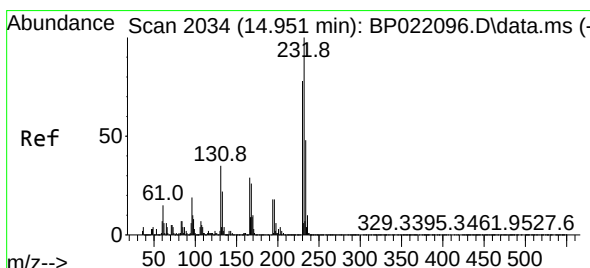
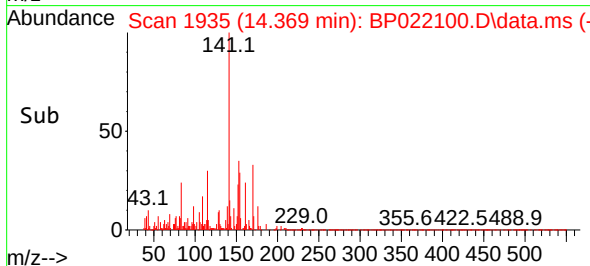
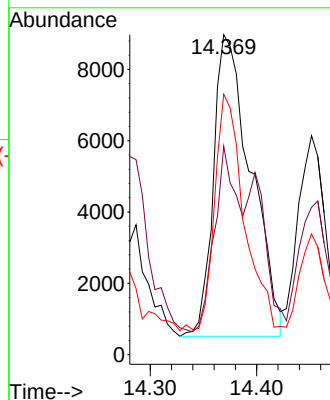
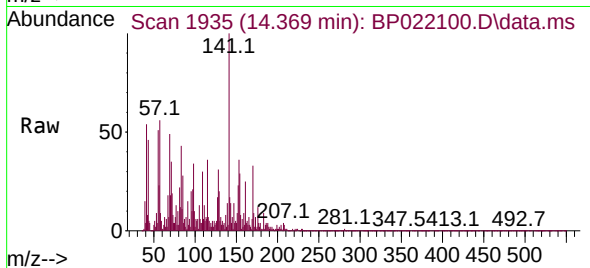
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:153 | Resp: | 20664      |
| Ion Ratio   | Lower | Upper      |
| 153         | 100   |            |
| 152         | 65.2  | 37.1 55.7  |
| 154         | 81.4  | 67.4 101.0 |

Manual Integrations

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Supervised By :mohammad ahmed 10/01/2024



#58

2,3,4,6-Tetrachlorophenol

Concen: 101.234 ng/ul

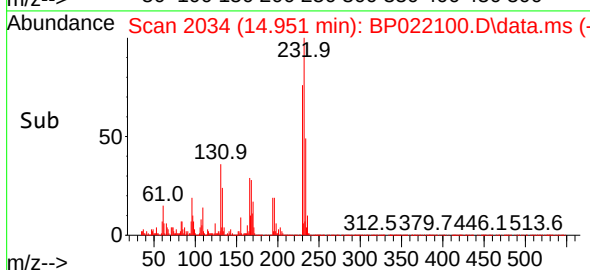
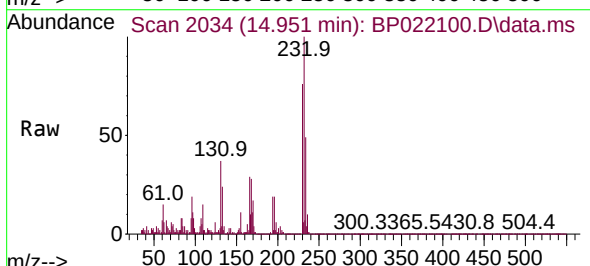
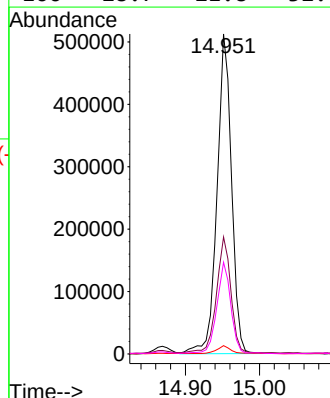
RT: 14.951 min Scan# 2034

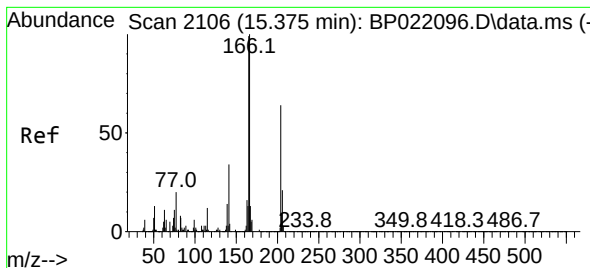
Delta R.T. -0.012 min

Lab File: BP022100.D

Acq: 28 Sep 2024 11:42

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:232 | Resp: | 696303    |
| Ion Ratio   | Lower | Upper     |
| 232         | 100   |           |
| 131         | 36.5  | 28.2 42.2 |
| 130         | 2.6   | 1.8 2.6   |
| 166         | 28.7  | 21.8 32.6 |





#61

Fluorene

Concen: 1.019 ng/ul

RT: 15.369 min Scan# 2106

Delta R.T. -0.012 min

Lab File: BP022100.D

Acq: 28 Sep 2024 11:42

Instrument :

BNA\_P

ClientSampleId :

DDC75ME

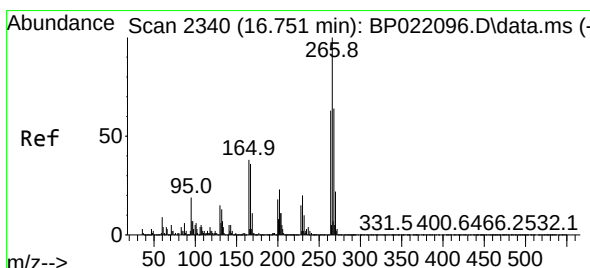
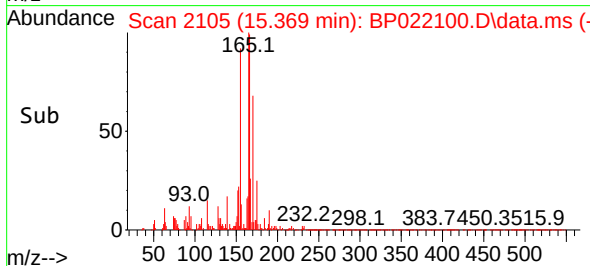
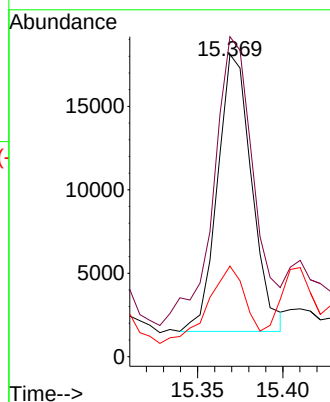
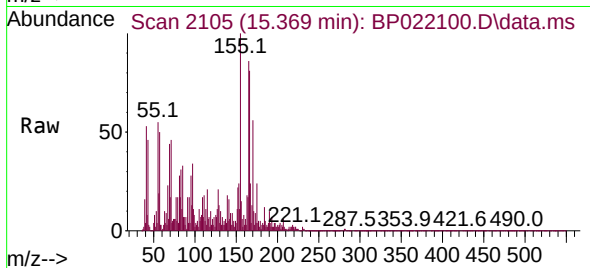
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 2325  |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 105.9 | 77.9  | 116.9 |
| 167       | 30.0  | 10.5  | 15.7  |

Manual Integrations

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Supervised By :mohammad ahmed 10/01/2024



#71

Pentachlorophenol

Concen: 1163.099 ng/ul

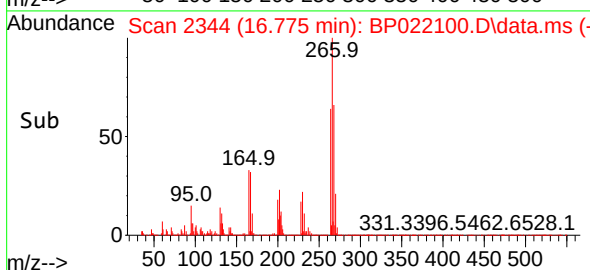
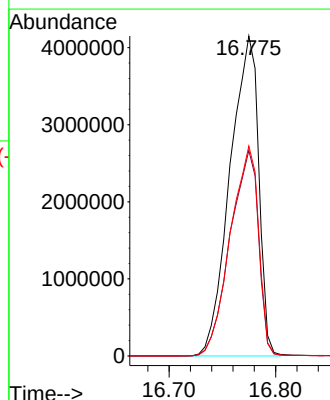
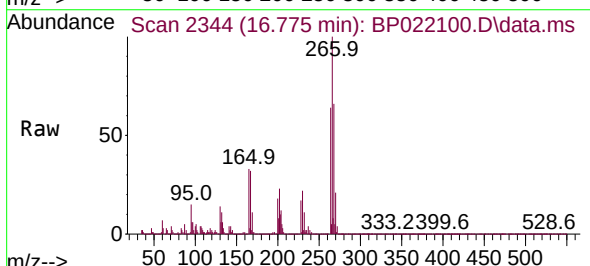
RT: 16.775 min Scan# 2344

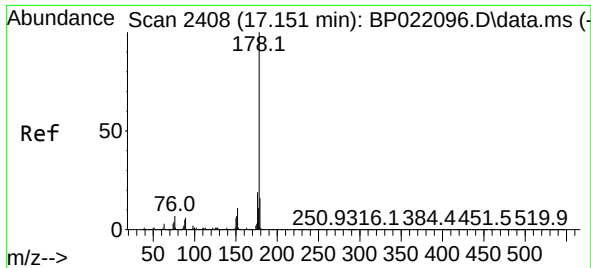
Delta R.T. 0.018 min

Lab File: BP022100.D

Acq: 28 Sep 2024 11:42

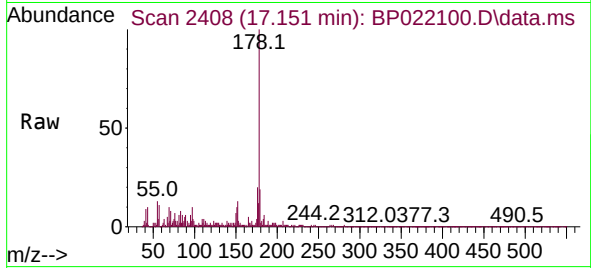
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 266   | Resp: | 7738558 |
| Ion Ratio | Lower | Upper |         |
| 266       | 100   |       |         |
| 264       | 64.2  | 50.2  | 75.4    |
| 268       | 65.6  | 51.4  | 77.0    |





#72  
 Phenanthrene  
 Concen: 3.960 ng/ul  
 RT: 17.151 min Scan# 2408  
 Delta R.T. -0.006 min  
 Lab File: BP022100.D  
 Acq: 28 Sep 2024 11:42

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DDC75ME



Tgt Ion:178 Resp: 142009  
 Ion Ratio Lower Upper  
 178 100  
 179 18.5 12.4 18.6  
 176 19.8 15.0 22.6

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