

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072524\  
 Data File : BP021159.D  
 Acq On : 25 Jul 2024 23:09  
 Operator : MA/JU  
 Sample : P3263-15  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4CK3

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024  
 Supervised By :mohammad ahmed 07/27/2024

Quant Time: Jul 26 00:11:04 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 25 00:15:24 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.652  | 152  | 192232   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.428 | 136  | 737568   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.298 | 164  | 454887   | 20.000 | ng/u1  | 0.01     |
| 64) Phenanthrene-d10          | 17.110 | 188  | 970581   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.563 | 240  | 954649   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.886 | 264  | 1214332  | 20.000 | ng/u1  | 0.02     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.187  | 96   | 14301    | 3.385  | ng/uL  | 0.01     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/u1  |          |
| 7) Phenol-d5                  | 6.875  | 99   | 298997   | 19.078 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.999  | 67   | 177999   | 18.741 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.205  | 132  | 258997   | 20.058 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.387  | 113  | 248869   | 19.120 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.805  | 128  | 120463   | 21.028 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.522  | 143  | 142874   | 21.790 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.087 | 165  | 246235   | 20.768 | ng/u1  | 0.01     |
| 31) 4-Chloroaniline-d4        | 10.593 | 131  | 59798    | 3.807  | ng/u1  | 0.02     |
| 46) Dimethylphthalate-d6      | 13.710 | 166  | 721709   | 21.825 | ng/u1  | 0.01     |
| 49) Acenaphthylene-d8         | 13.993 | 160  | 840115   | 22.626 | ng/u1  | 0.01     |
| 54) 4-Nitrophenol-d4          | 14.610 | 143  | 100616m  | 21.386 | ng/u1  | 0.01     |
| 60) Fluorene-d10              | 15.316 | 176  | 633169   | 23.340 | ng/u1  | 0.01     |
| 65) 4,6-Dinitro-2-methylph... | 15.493 | 200  | 78907    | 13.437 | ng/u1  | 0.02     |
| 73) Anthracene-d10            | 17.216 | 188  | 981016   | 22.757 | ng/u1  | 0.01     |
| 81) Pyrene-d10                | 19.604 | 212  | 1047801  | 17.753 | ng/u1  | 0.02     |
| 92) Benzo(a)pyrene-d12        | 24.645 | 264  | 885684   | 14.788 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 6) Benzaldehyde               | 6.834  | 77   | 18641    | 2.359  | ng/u1  | 94       |
| 8) Phenol                     | 6.905  | 94   | 35152    | 2.217  | ng/u1# | 90       |
| 72) Phenanthrene              | 17.157 | 178  | 295499   | 5.869  | ng/u1  | 100      |
| 74) Anthracene                | 17.257 | 178  | 69991    | 1.364  | ng/u1  | 99       |
| 78) Di-n-butylphthalate       | 18.116 | 149  | 1207001  | 20.849 | ng/u1  | 99       |
| 80) Fluoranthene              | 19.257 | 202  | 616165   | 8.645  | ng/u1  | 99       |
| 82) Pyrene                    | 19.633 | 202  | 432041   | 5.957  | ng/u1  | 97       |
| 85) Benzo(a)anthracene        | 21.545 | 228  | 303985   | 4.546  | ng/u1  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.492 | 149  | 974459m  | 22.407 | ng/u1  |          |
| 87) Chrysene                  | 21.610 | 228  | 323763   | 5.210  | ng/u1  | 96       |
| 90) Benzo(b)fluoranthene      | 23.827 | 252  | 476735   | 6.469  | ng/u1# | 94       |
| 91) Benzo(k)fluoranthene      | 23.892 | 252  | 155181   | 2.110  | ng/u1# | 92       |
| 93) Benzo(a)pyrene            | 24.721 | 252  | 170787   | 2.453  | ng/u1# | 88       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.662 | 276  | 182305   | 2.032  | ng/u1# | 90       |
| -----                         |        |      |          |        |        |          |

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

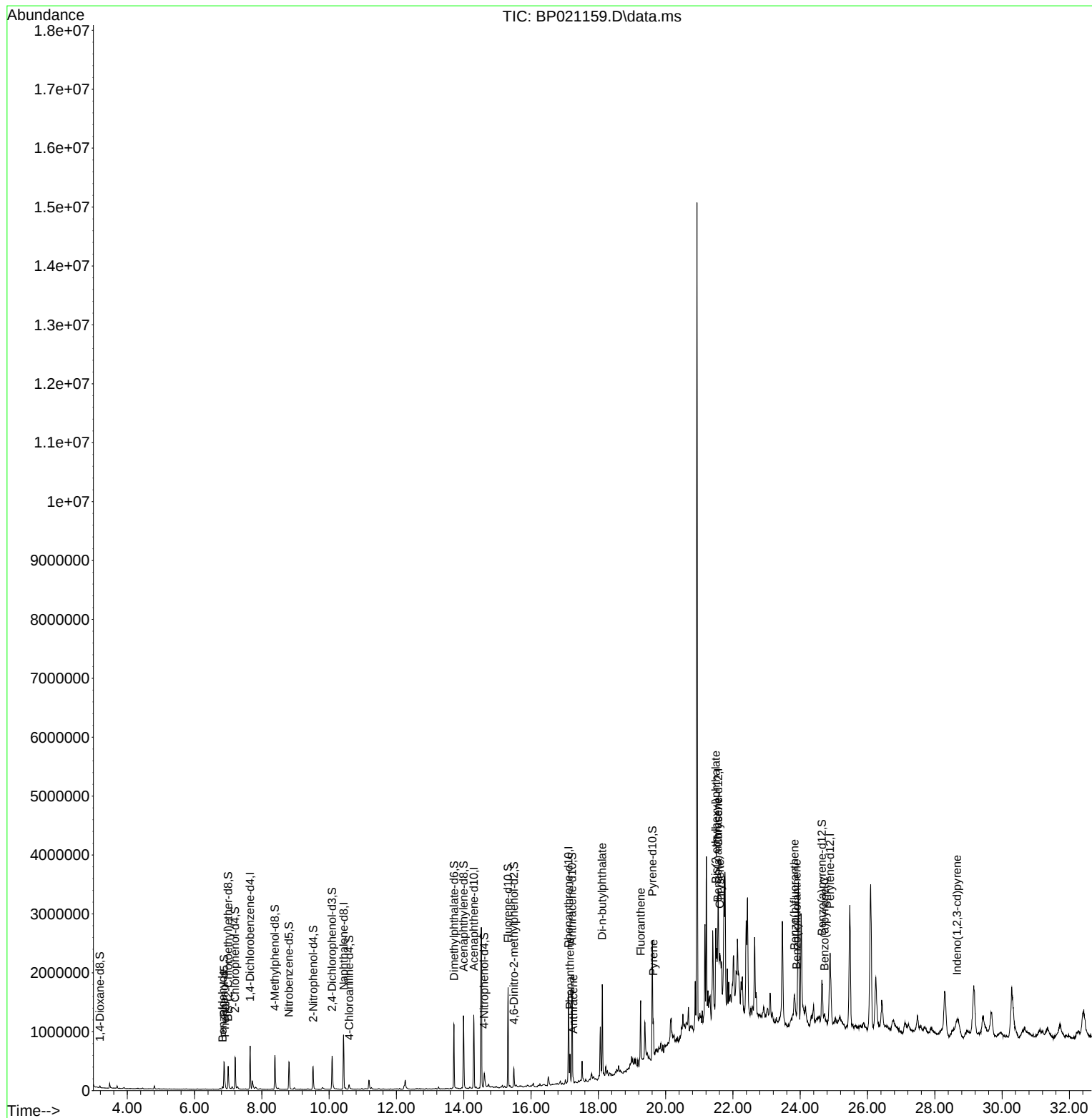
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072524\  
Data File : BP021159.D  
Acq On : 25 Jul 2024 23:09  
Operator : MA/JU  
Sample : P3263-15  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

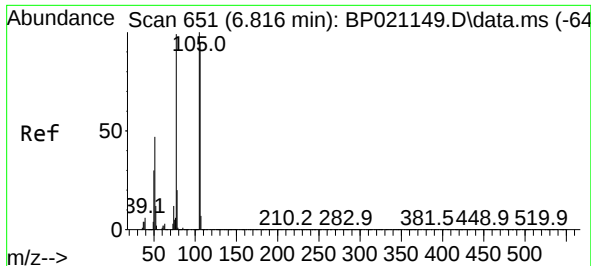
Instrument :  
BNA\_P  
ClientSampleId :  
A4CK3

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024  
Supervised By :mohammad ahmed 07/27/2024

Quant Time: Jul 26 00:11:04 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jul 25 00:15:24 2024  
Response via : Initial Calibration





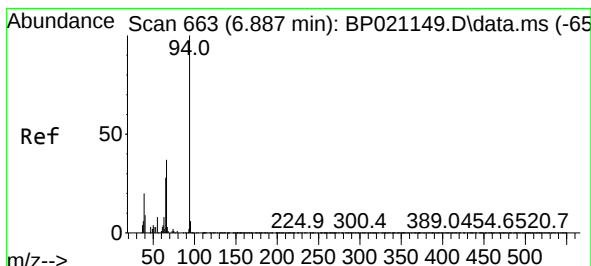
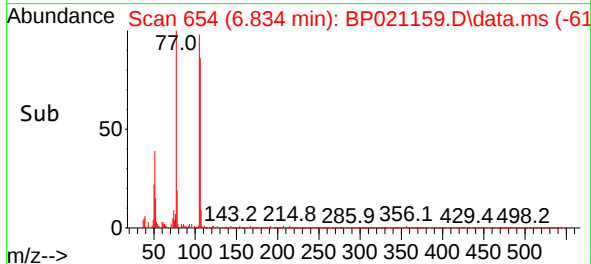
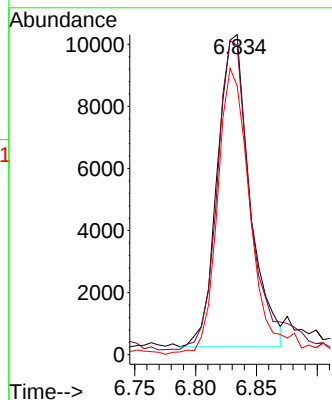
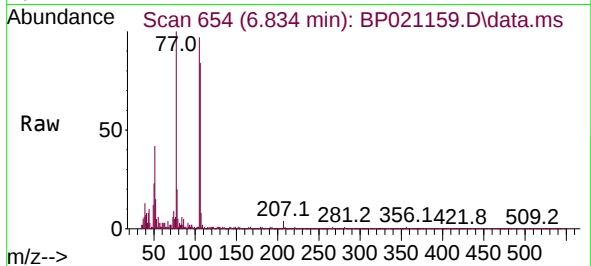
#6  
Benzaldehyde  
Concen: 2.359 ng/ul  
RT: 6.834 min Scan# 651  
Delta R.T. 0.018 min  
Lab File: BP021159.D  
Acq: 25 Jul 2024 23:09

Instrument :  
BNA\_P  
ClientSampleId :  
A4CK3

Tgt Ion: 77 Resp: 1864  
Ion Ratio Lower Upper  
77 100  
105 96.7 79.3 118.9  
106 83.9 74.6 112.0

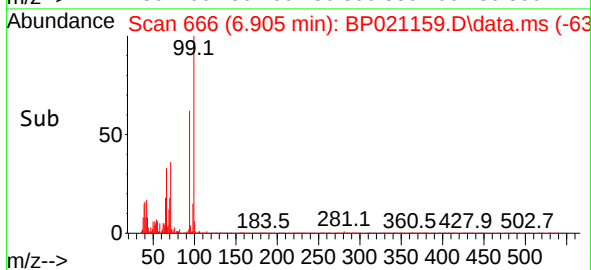
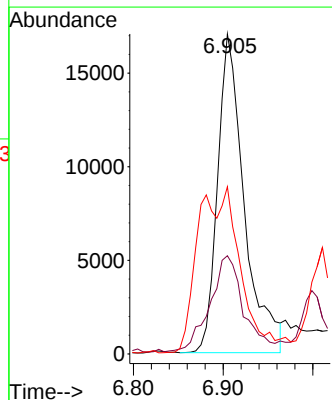
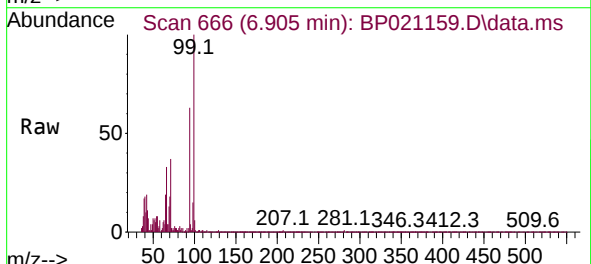
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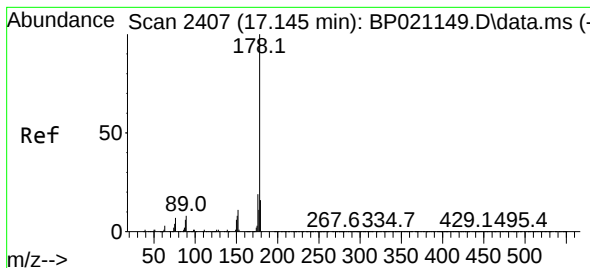
Reviewed By :Jagrut Upadhyay 07/26/2024  
Supervised By :mohammad ahmed 07/27/2024



#8  
Phenol  
Concen: 2.217 ng/ul  
RT: 6.905 min Scan# 666  
Delta R.T. 0.006 min  
Lab File: BP021159.D  
Acq: 25 Jul 2024 23:09

Tgt Ion: 94 Resp: 35152  
Ion Ratio Lower Upper  
94 100  
65 30.7 23.4 35.0  
66 52.2 33.9 50.9#





#72

Phenanthrene

Concen: 5.869 ng/ul

RT: 17.157 min Scan# 2409

Delta R.T. 0.012 min

Lab File: BP021159.D

Acq: 25 Jul 2024 23:09

Instrument :

BNA\_P

ClientSampleId :

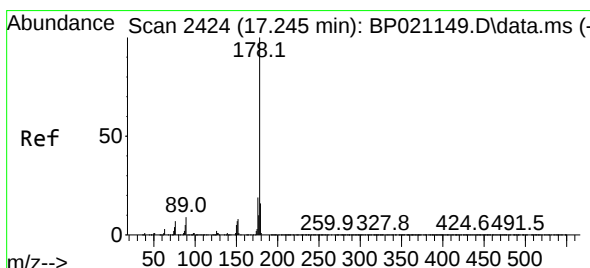
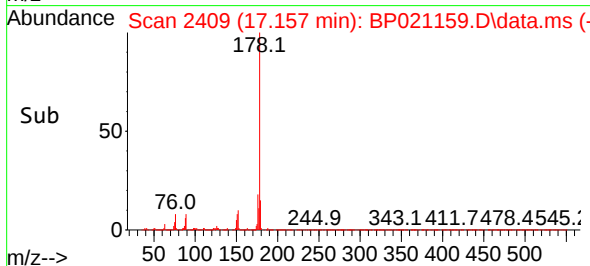
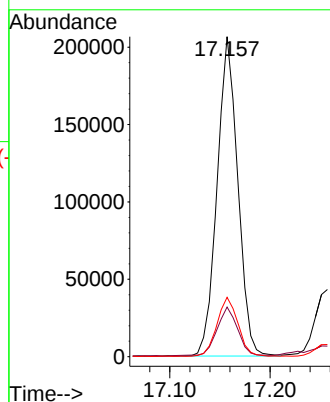
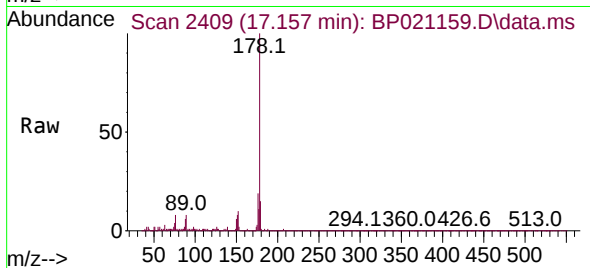
A4CK3

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 295499 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 179       | 15.5  | 12.2  | 18.4   |
| 176       | 18.6  | 15.0  | 22.4   |

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/26/2024  
Supervised By :mohammad ahmed 07/27/2024



#74

Anthracene

Concen: 1.364 ng/ul

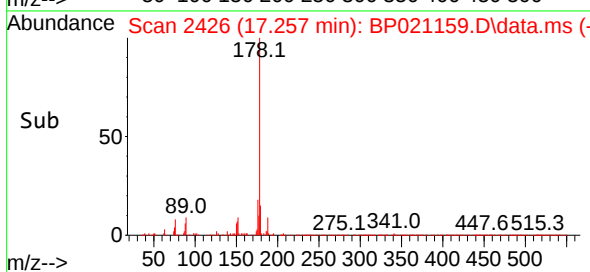
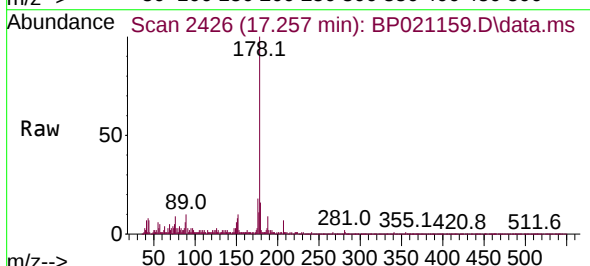
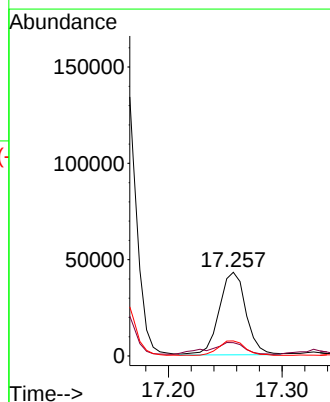
RT: 17.257 min Scan# 2426

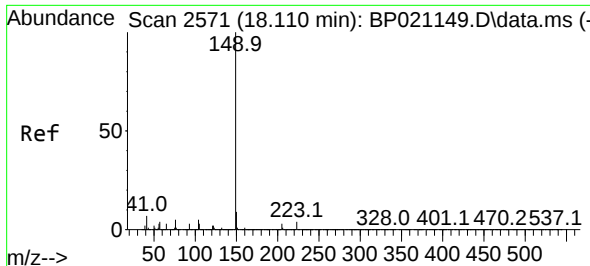
Delta R.T. 0.018 min

Lab File: BP021159.D

Acq: 25 Jul 2024 23:09

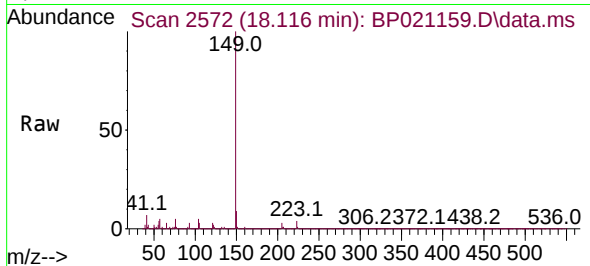
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 69991 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 15.8  | 12.5  | 18.7  |
| 176       | 18.1  | 14.8  | 22.2  |





#78  
Di-n-butylphthalate  
Concen: 20.849 ng/ul  
RT: 18.116 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BP021159.D  
Acq: 25 Jul 2024 23:09

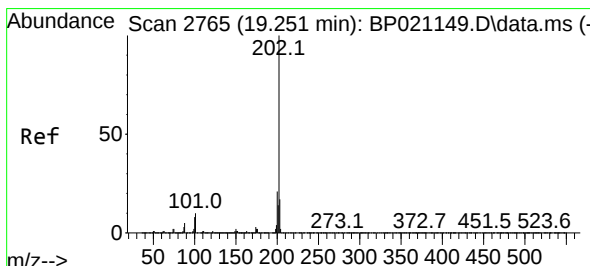
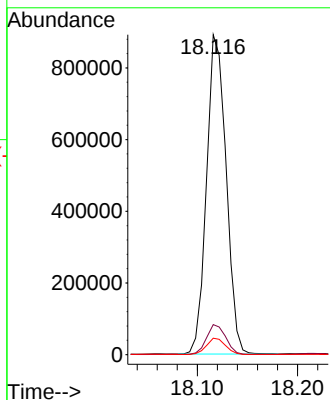
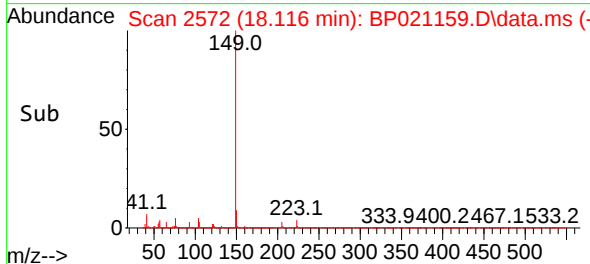
Instrument :  
BNA\_P  
ClientSampleId :  
A4CK3



Tgt Ion:149 Resp: 120700  
Ion Ratio Lower Upper  
149 100  
150 9.4 7.4 11.0  
104 5.1 3.9 5.9

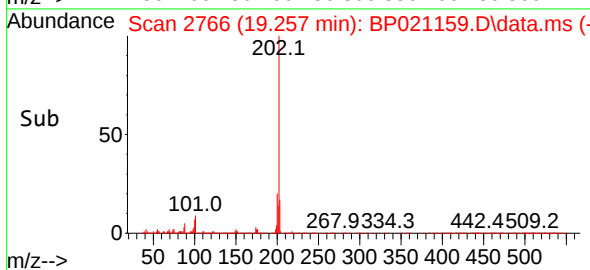
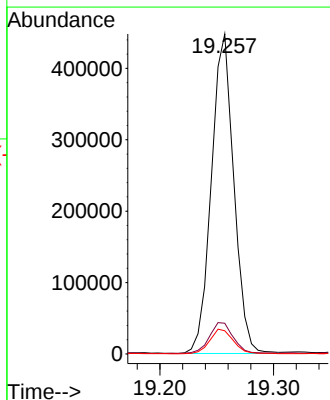
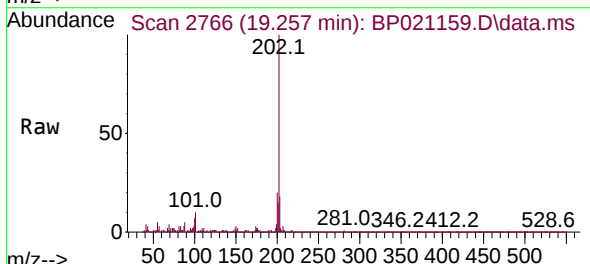
Manual Integrations  
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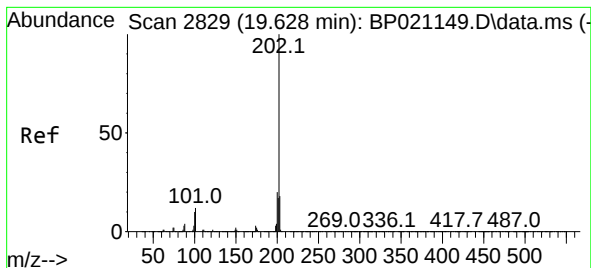
Reviewed By :Jagrut Upadhyay 07/26/2024  
Supervised By :mohammad ahmed 07/27/2024



#80  
Fluoranthene  
Concen: 8.645 ng/ul  
RT: 19.257 min Scan# 2766  
Delta R.T. 0.012 min  
Lab File: BP021159.D  
Acq: 25 Jul 2024 23:09

Tgt Ion:202 Resp: 616165  
Ion Ratio Lower Upper  
202 100  
101 9.6 8.0 12.0  
100 7.2 6.1 9.1





#82

Pyrene

Concen: 5.957 ng/ul

RT: 19.633 min Scan# 21

Delta R.T. 0.018 min

Lab File: BP021159.D

Acq: 25 Jul 2024 23:09

Instrument :

BNA\_P

ClientSampleId :

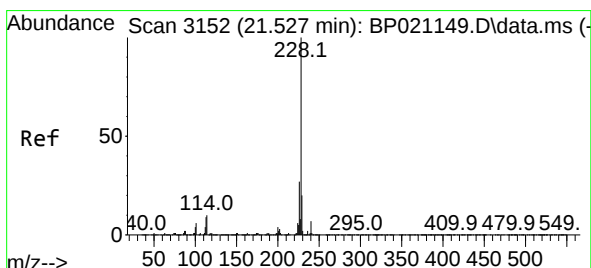
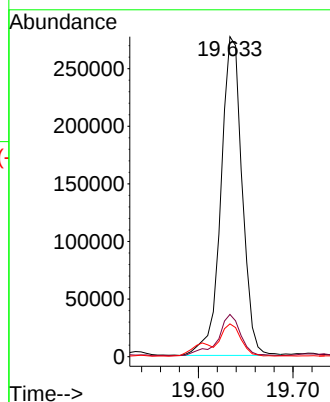
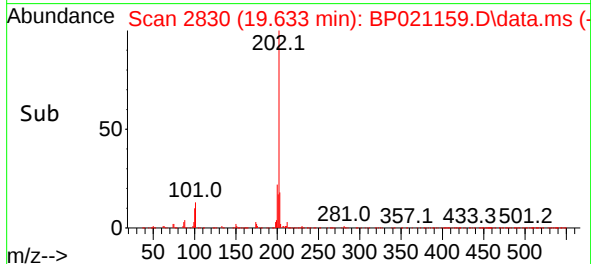
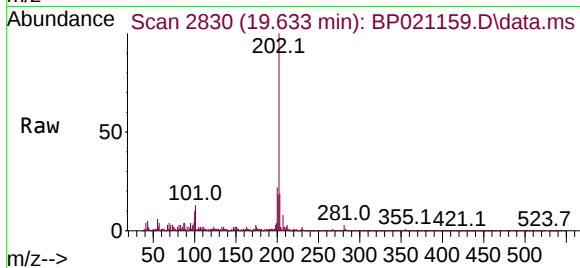
A4CK3

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 43204 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 13.2  | 9.4   | 14.2  |
| 100       | 10.3  | 7.8   | 11.6  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024  
Supervised By :mohammad ahmed 07/27/2024



#85

Benzo(a)anthracene

Concen: 4.546 ng/ul

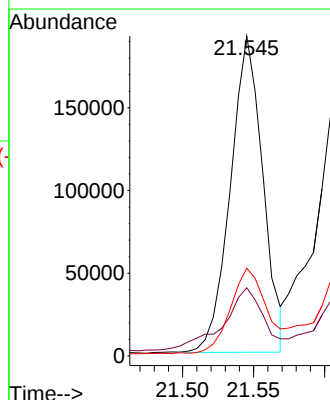
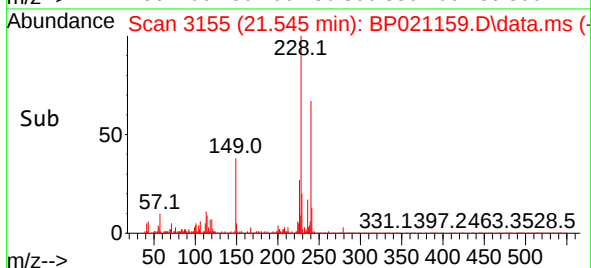
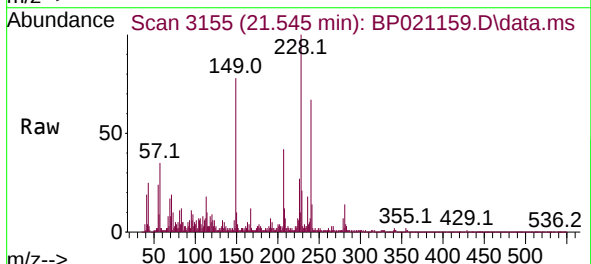
RT: 21.545 min Scan# 3155

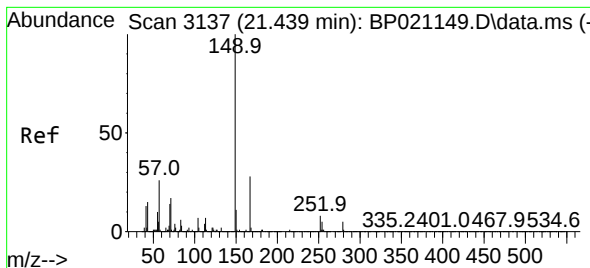
Delta R.T. 0.012 min

Lab File: BP021159.D

Acq: 25 Jul 2024 23:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 303985 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 229       | 21.3  | 15.5  | 23.3   |
| 226       | 27.4  | 21.4  | 32.2   |





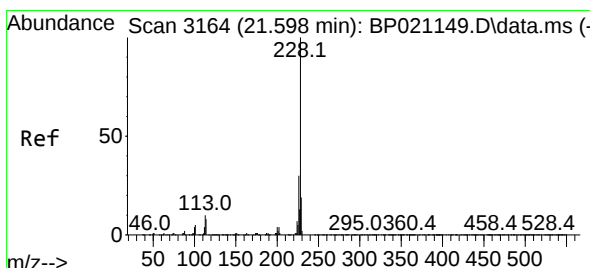
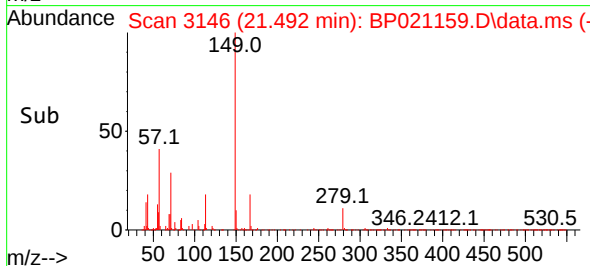
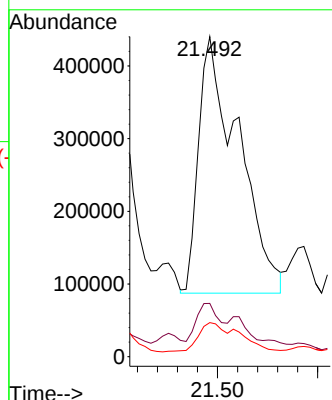
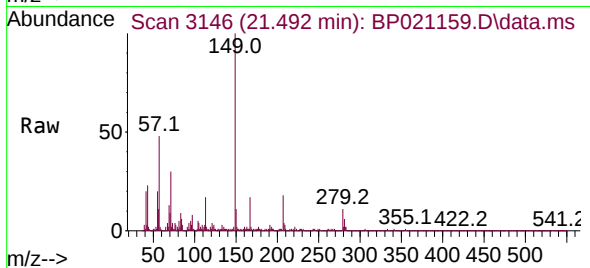
#86  
Bis(2-ethylhexyl)phthalate  
Concen: 22.407 ng/ul m  
RT: 21.492 min Scan# 3146  
Delta R.T. 0.041 min  
Lab File: BP021159.D  
Acq: 25 Jul 2024 23:09

Instrument :  
BNA\_P  
ClientSampleId :  
A4CK3

Tgt Ion:149 Resp: 974459  
Ion Ratio Lower Upper  
149 100  
167 16.6 22.1 33.1  
279 10.6 3.7 5.5

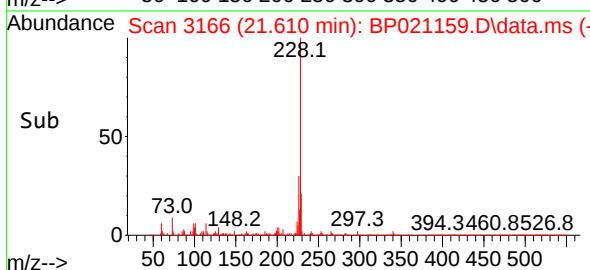
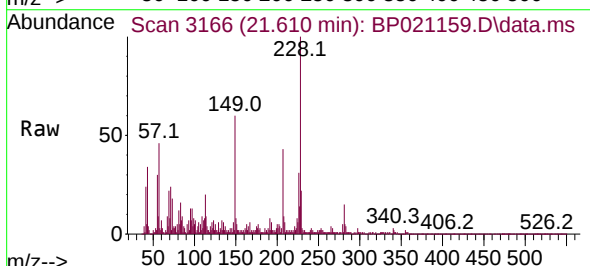
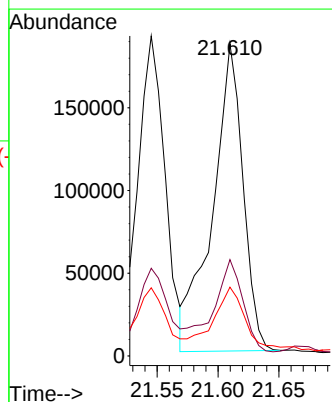
Manual Integrations  
APPROVED

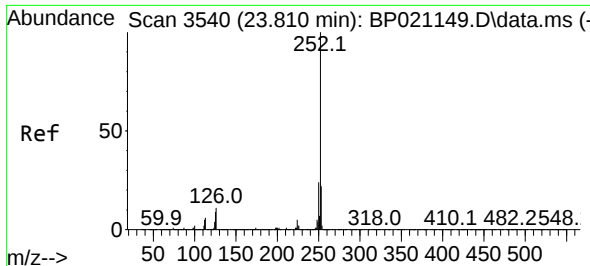
Reviewed By :Jagrut Upadhyay 07/26/2024  
Supervised By :mohammad ahmed 07/27/2024



#87  
Chrysene  
Concen: 5.210 ng/ul  
RT: 21.610 min Scan# 3166  
Delta R.T. 0.006 min  
Lab File: BP021159.D  
Acq: 25 Jul 2024 23:09

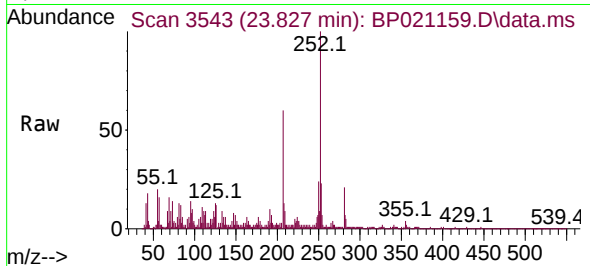
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228 100  
226 30.8 23.6 35.4  
229 22.0 15.5 23.3





#90  
Benzo(b)fluoranthene  
Concen: 6.469 ng/ul  
RT: 23.827 min Scan# 3543  
Delta R.T. 0.006 min  
Lab File: BP021159.D  
Acq: 25 Jul 2024 23:09

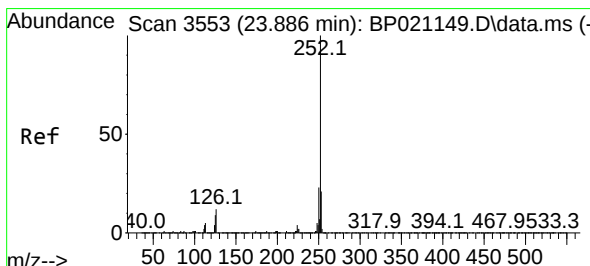
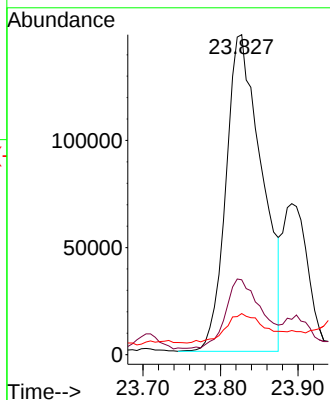
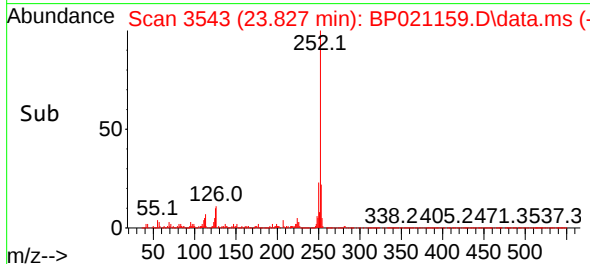
Instrument :  
BNA\_P  
ClientSampleId :  
A4CK3



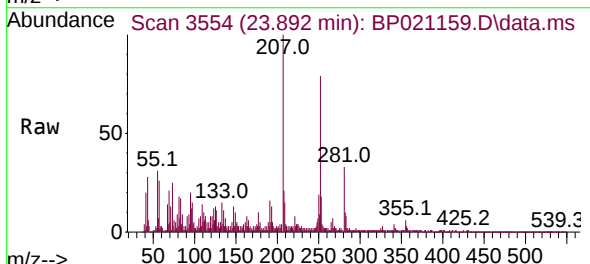
Tgt Ion:252 Resp: 476735  
Ion Ratio Lower Upper  
252 100  
253 23.4 17.1 25.7  
125 12.8 7.0 10.4

Manual Integrations  
APPROVED

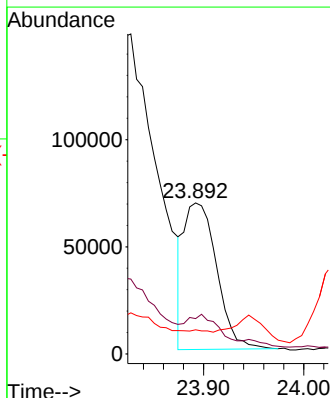
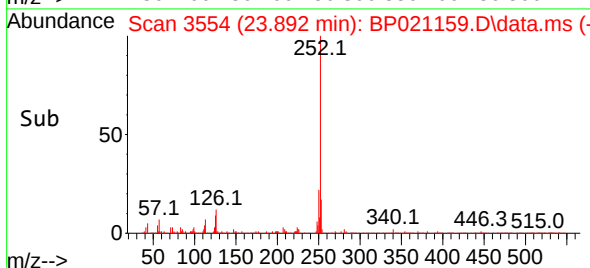
Reviewed By :Jagrut Upadhyay 07/26/2024  
Supervised By :mohammad ahmed 07/27/2024

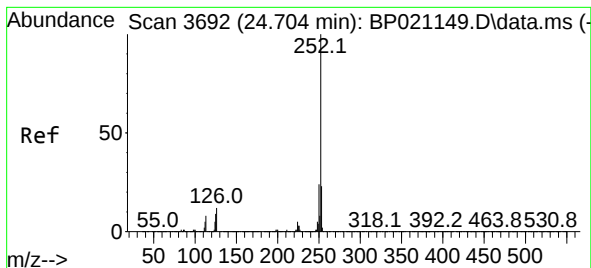


#91  
Benzo(k)fluoranthene  
Concen: 2.110 ng/ul  
RT: 23.892 min Scan# 3554  
Delta R.T. 0.006 min  
Lab File: BP021159.D  
Acq: 25 Jul 2024 23:09



Tgt Ion:252 Resp: 155181  
Ion Ratio Lower Upper  
252 100  
253 23.4 17.4 26.2  
125 16.0 7.4 11.0





#93

Benzo(a)pyrene

Concen: 2.453 ng/ul

RT: 24.721 min Scan# 3695

Delta R.T. 0.006 min

Lab File: BP021159.D

Acq: 25 Jul 2024 23:09

Instrument :

BNA\_P

ClientSampleId :

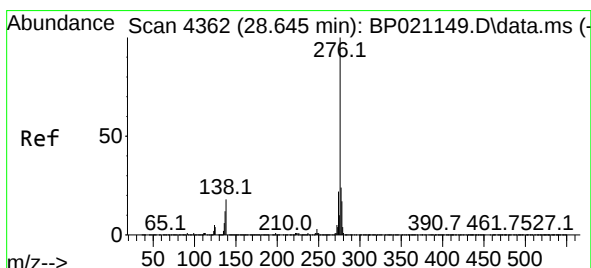
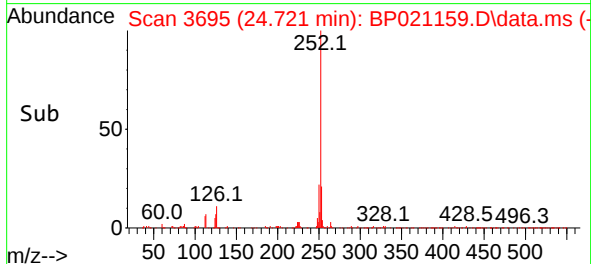
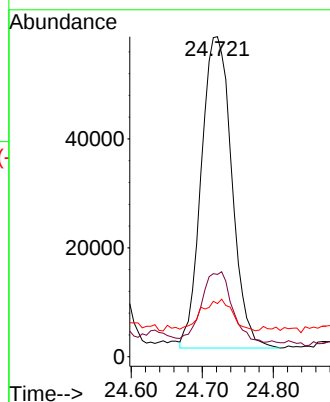
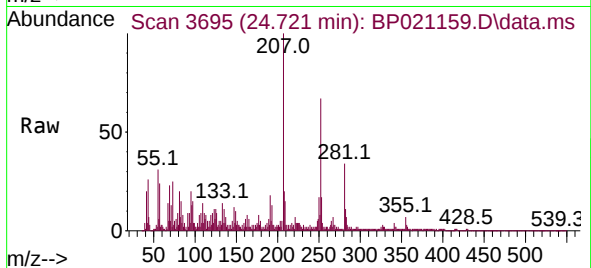
A4CK3

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 17078 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 25.7  | 17.4  | 26.0  |
| 125       | 16.6  | 7.7   | 11.5  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024  
Supervised By :mohammad ahmed 07/27/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 2.032 ng/ul

RT: 28.662 min Scan# 4365

Delta R.T. 0.023 min

Lab File: BP021159.D

Acq: 25 Jul 2024 23:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 182305 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 23.0  | 14.3  | 21.5   |
| 277       | 28.2  | 19.2  | 28.8   |

