

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062823\  
 Data File : BP015781.D  
 Acq On : 28 Jun 2023 16:06  
 Operator : MA/JU  
 Sample : 03142-18  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFT5

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/29/2023  
 Supervised By :mohammad ahmed 06/29/2023

Quant Time: Jun 29 02:17:13 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 27 00:56:58 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.063  | 152  | 164629   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.893 | 136  | 697945   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.710 | 164  | 402228   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.475 | 188  | 709503   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.563 | 240  | 520920   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.104 | 264  | 662386   | 20.000 | ng/ul  | -0.01    |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.381  | 96   | 5306     | 1.160  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/ul  |          |
| 7) Phenol-d5                  | 7.263  | 99   | 55996    | 3.975  | ng/ul  | 0.04     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.393  | 67   | 50743    | 5.823  | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.605  | 132  | 55116    | 5.183  | ng/ul  | 0.01     |
| 15) 4-Methylphenol-d8         | 8.822  | 113  | 28268m   | 2.540  | ng/ul  | 0.04     |
| 21) Nitrobenzene-d5           | 9.275  | 128  | 28696m   | 5.380  | ng/ul  | 0.03     |
| 24) 2-Nitrophenol-d4          | 10.010 | 143  | 28215    | 4.532  | ng/ul  | 0.04     |
| 28) 2,4-Dichlorophenol-d3     | 10.599 | 165  | 45859m   | 4.134  | ng/ul  | 0.08     |
| 31) 4-Chloroaniline-d4        | 11.116 | 131  | 21582m   | 1.514  | ng/ul  | 0.08     |
| 46) Dimethylphthalate-d6      | 14.128 | 166  | 187562   | 6.033  | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.410 | 160  | 208843   | 5.976  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.945 | 143  | 152      | 0.037  | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.716 | 176  | 152878   | 5.972  | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.916 | 200  | 7233m    | 1.658  | ng/ul  | 0.06     |
| 73) Anthracene-d10            | 17.581 | 188  | 199470m  | 6.155  | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.798 | 212  | 215082   | 6.323  | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.939 | 264  | 210526   | 6.301  | ng/ul  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        |        |          |
| 80) Fluoranthene              | 19.480 | 202  | 80791    | 1.911  | ng/ul# | 96       |
| 82) Pyrene                    | 19.827 | 202  | 68281    | 1.583  | ng/ul# | 95       |
| 85) Benzo(a)anthracene        | 21.545 | 228  | 38804    | 1.059  | ng/ul  | 96       |
| 87) Chrysene                  | 21.604 | 228  | 48164m   | 1.385  | ng/ul  |          |
| 90) Benzo(b)fluoranthene      | 23.327 | 252  | 71244    | 1.674  | ng/ul# | 74       |
| 93) Benzo(a)pyrene            | 23.992 | 252  | 39143    | 1.053  | ng/ul# | 77       |
| -----                         |        |      |          |        |        |          |

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

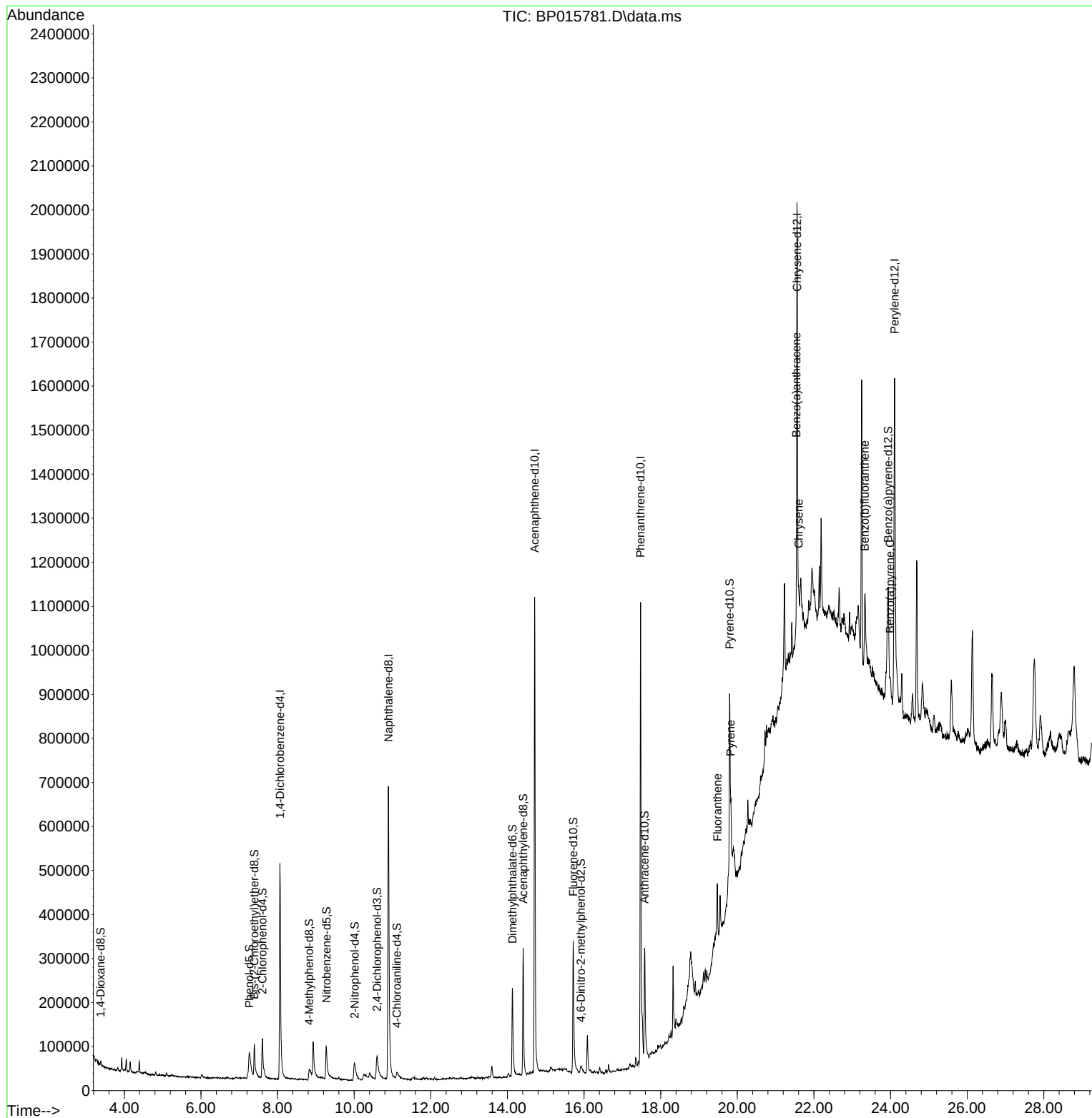
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062823\  
Data File : BP015781.D  
Acq On : 28 Jun 2023 16:06  
Operator : MA/JU  
Sample : 03142-18  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

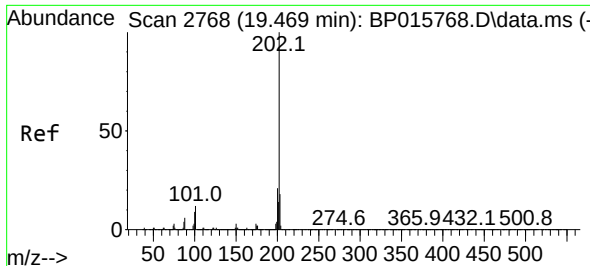
Instrument :  
BNA\_P  
ClientSampleId :  
DCFT5

Quant Time: Jun 29 02:17:13 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jun 27 00:56:58 2023  
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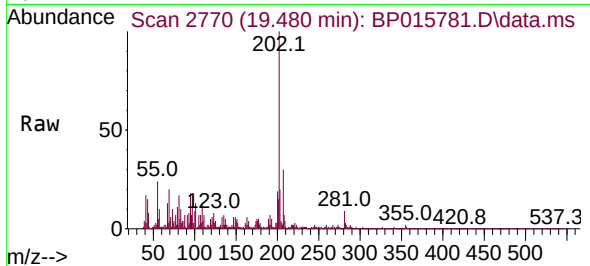
Reviewed By :Yogesh Patel 06/29/2023  
Supervised By :mohammad ahmed 06/29/2023





#80  
Fluoranthene  
Concen: 1.911 ng/ul  
RT: 19.480 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BP015781.D  
Acq: 28 Jun 2023 16:06

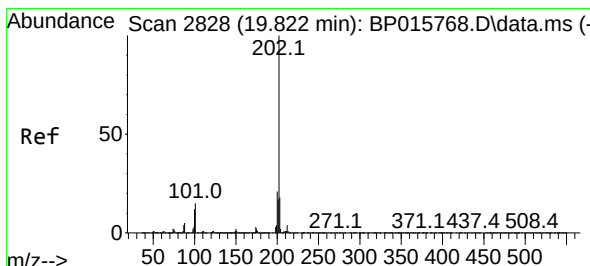
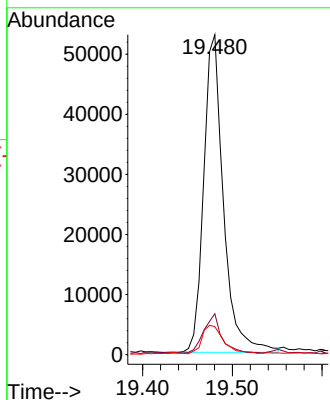
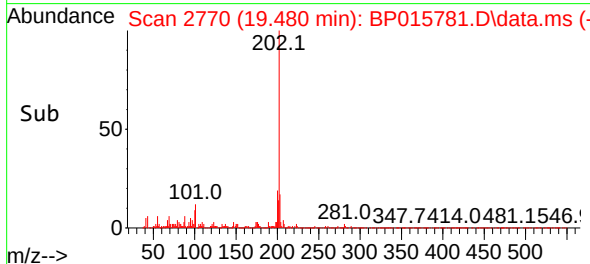
Instrument :  
BNA\_P  
ClientSampleId :  
DCFT5



Tgt Ion:202 Resp: 8079  
Ion Ratio Lower Upper  
202 100  
101 12.8 8.3 12.5  
100 8.8 6.6 9.8

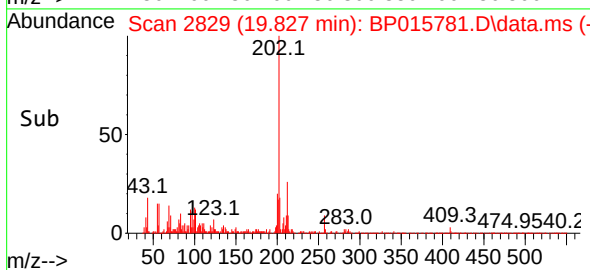
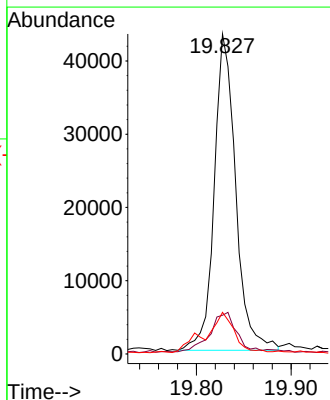
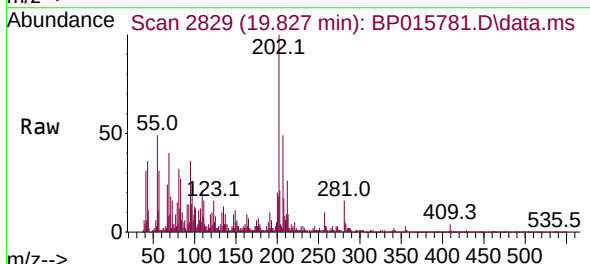
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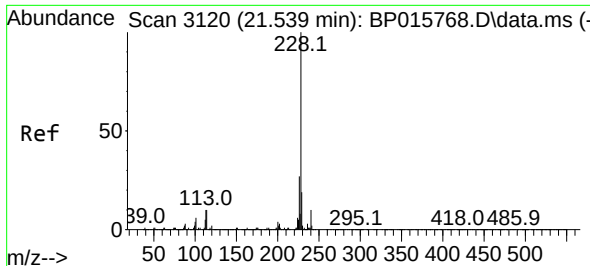
Reviewed By :Yogesh Patel 06/29/2023  
Supervised By :mohammad ahmed 06/29/2023



#82  
Pyrene  
Concen: 1.583 ng/ul  
RT: 19.827 min Scan# 2829  
Delta R.T. -0.006 min  
Lab File: BP015781.D  
Acq: 28 Jun 2023 16:06

Tgt Ion:202 Resp: 68281  
Ion Ratio Lower Upper  
202 100  
101 12.1 9.3 13.9  
100 13.0 7.6 11.4#





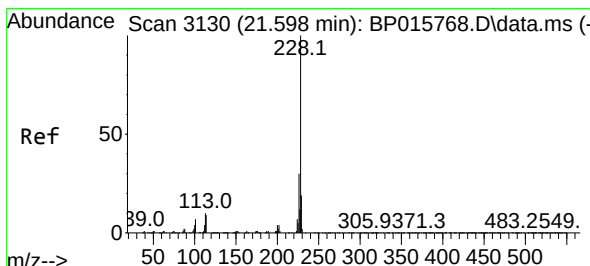
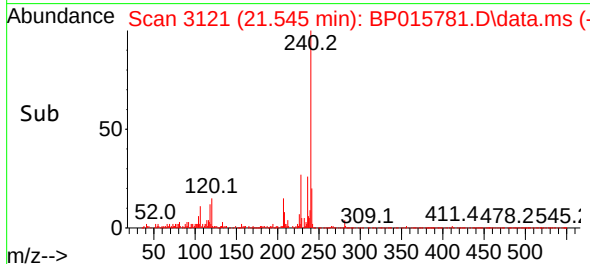
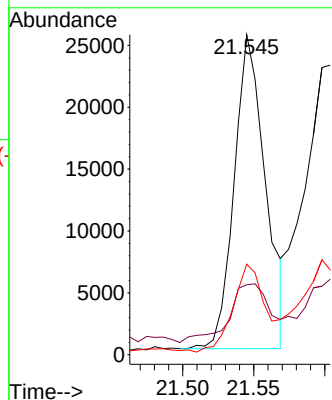
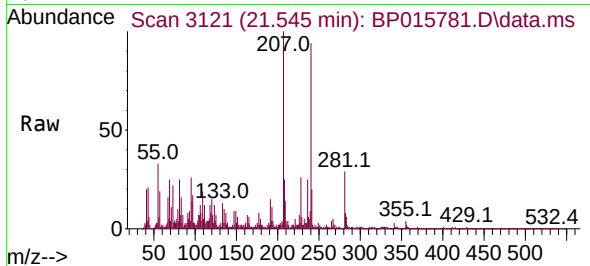
#85  
Benzo(a)anthracene  
Concen: 1.059 ng/ul  
RT: 21.545 min Scan# 3121  
Delta R.T. 0.000 min  
Lab File: BP015781.D  
Acq: 28 Jun 2023 16:06

Instrument :  
BNA\_P  
ClientSampleId :  
DCFT5

Tgt Ion:228 Resp: 38804  
Ion Ratio Lower Upper  
228 100  
229 21.8 15.3 22.9  
226 28.3 21.4 32.0

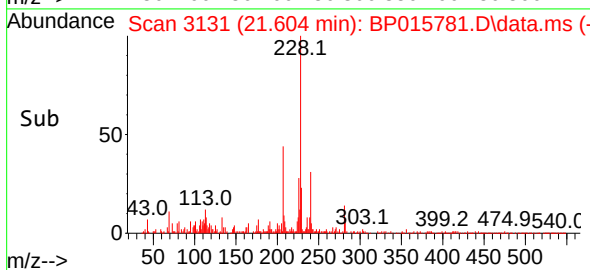
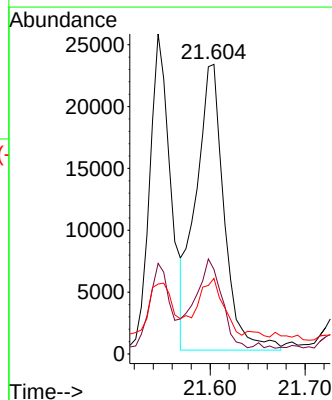
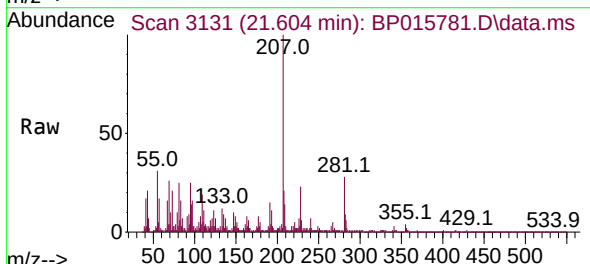
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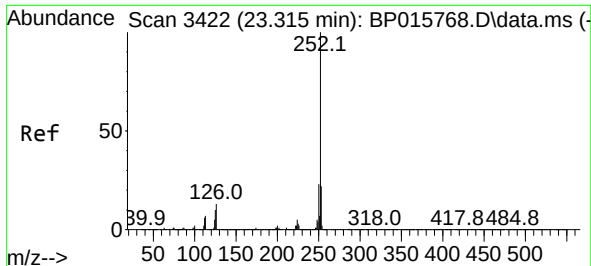
Reviewed By :Yogesh Patel 06/29/2023  
Supervised By :mohammad ahmed 06/29/2023



#87  
Chrysene  
Concen: 1.385 ng/ul m  
RT: 21.604 min Scan# 3131  
Delta R.T. 0.000 min  
Lab File: BP015781.D  
Acq: 28 Jun 2023 16:06

Tgt Ion:228 Resp: 48164  
Ion Ratio Lower Upper  
228 100  
226 29.2 24.3 36.5  
229 26.1 15.5 23.3#





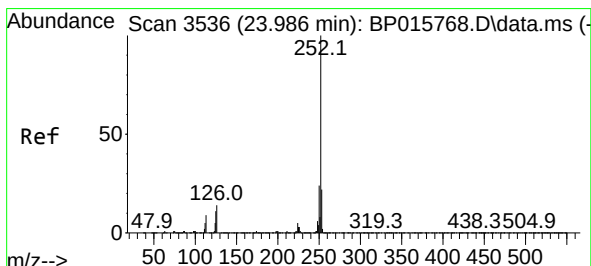
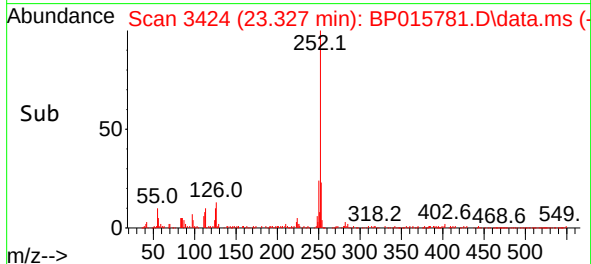
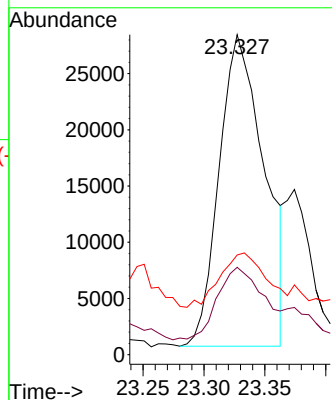
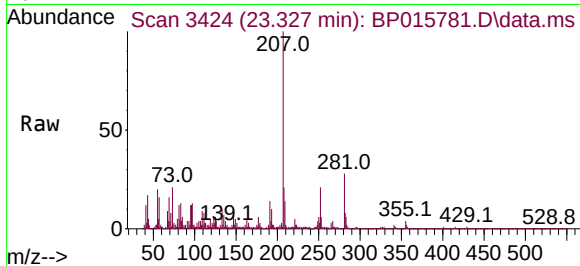
#90  
Benzo(b)fluoranthene  
Concen: 1.674 ng/u1  
RT: 23.327 min Scan# 3422  
Delta R.T. 0.000 min  
Lab File: BP015781.D  
Acq: 28 Jun 2023 16:06

Instrument :  
BNA\_P  
ClientSampleId :  
DCFT5

Tgt Ion:252 Resp: 71244  
Ion Ratio Lower Upper  
252 100  
253 27.3 17.3 25.9#  
125 31.1 7.5 11.3#

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/29/2023  
Supervised By :mohammad ahmed 06/29/2023



#93  
Benzo(a)pyrene  
Concen: 1.053 ng/u1  
RT: 23.992 min Scan# 3537  
Delta R.T. -0.012 min  
Lab File: BP015781.D  
Acq: 28 Jun 2023 16:06

Tgt Ion:252 Resp: 39143  
Ion Ratio Lower Upper  
252 100  
253 27.5 17.7 26.5#  
125 28.0 8.2 12.2#

