

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110123\  
 Data File : BP017907.D  
 Acq On : 03 Nov 2023 03:21  
 Operator : MA/JU  
 Sample : 05060-06  
 Misc :  
 ALS Vial : 63 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCKG4

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/03/2023  
 Supervised By :mohammad ahmed 11/04/2023

Quant Time: Nov 03 04:30:57 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP101823.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 19 01:32:15 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.875  | 152  | 161899   | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.705 | 136  | 618641   | 20.000 | ng/u1  | -0.02    |
| 38) Acenaphthene-d10          | 14.575 | 164  | 356910   | 20.000 | ng/u1  | -0.01    |
| 64) Phenanthrene-d10          | 17.369 | 188  | 706551   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.516 | 240  | 571109   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.074 | 264  | 600268   | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.270  | 96   | 7662     | 1.761  | ng/uL  | 0.01     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/u1  |          |
| 7) Phenol-d5                  | 7.040  | 99   | 116987   | 8.683  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.222  | 67   | 84170    | 10.116 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.399  | 132  | 106698   | 9.710  | ng/u1  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.605  | 113  | 32611    | 3.082  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.087  | 128  | 54330    | 10.838 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.799  | 143  | 60583    | 10.938 | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.334 | 165  | 87572    | 8.060  | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.887 | 131  | 53409    | 3.756  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.993 | 166  | 316595   | 10.567 | ng/u1  | -0.01    |
| 49) Acenaphthylene-d8         | 14.269 | 160  | 350578   | 10.492 | ng/u1  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.851 | 143  | 22444m   | 5.257  | ng/u1  | 0.02     |
| 60) Fluorene-d10              | 15.581 | 176  | 258509   | 9.981  | ng/u1  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.734 | 200  | 16089    | 3.457  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.469 | 188  | 364206   | 10.087 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.728 | 212  | 427896   | 11.951 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.898 | 264  | 338322   | 10.119 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 74) Anthracene                | 17.504 | 178  | 115756   | 2.761  | ng/u1  | 98       |
| 80) Fluoranthene              | 19.398 | 202  | 234794   | 5.707  | ng/u1  | 99       |
| 82) Pyrene                    | 19.757 | 202  | 314768   | 7.222  | ng/u1  | 98       |
| 85) Benzo(a)anthracene        | 21.498 | 228  | 133607   | 3.077  | ng/u1  | 97       |
| 87) Chrysene                  | 21.551 | 228  | 221464m  | 5.394  | ng/u1  |          |
| 90) Benzo(b)fluoranthene      | 23.280 | 252  | 221192   | 5.414  | ng/u1  | 98       |
| 91) Benzo(k)fluoranthene      | 23.322 | 252  | 72793    | 1.758  | ng/u1  | 97       |
| 93) Benzo(a)pyrene            | 23.957 | 252  | 85209    | 2.222  | ng/u1  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.792 | 276  | 67598    | 1.479  | ng/u1  | 99       |
| 96) Benzo(g,h,i)perylene      | 27.639 | 276  | 60991    | 1.656  | ng/u1  | 96       |
| -----                         |        |      |          |        |        |          |

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

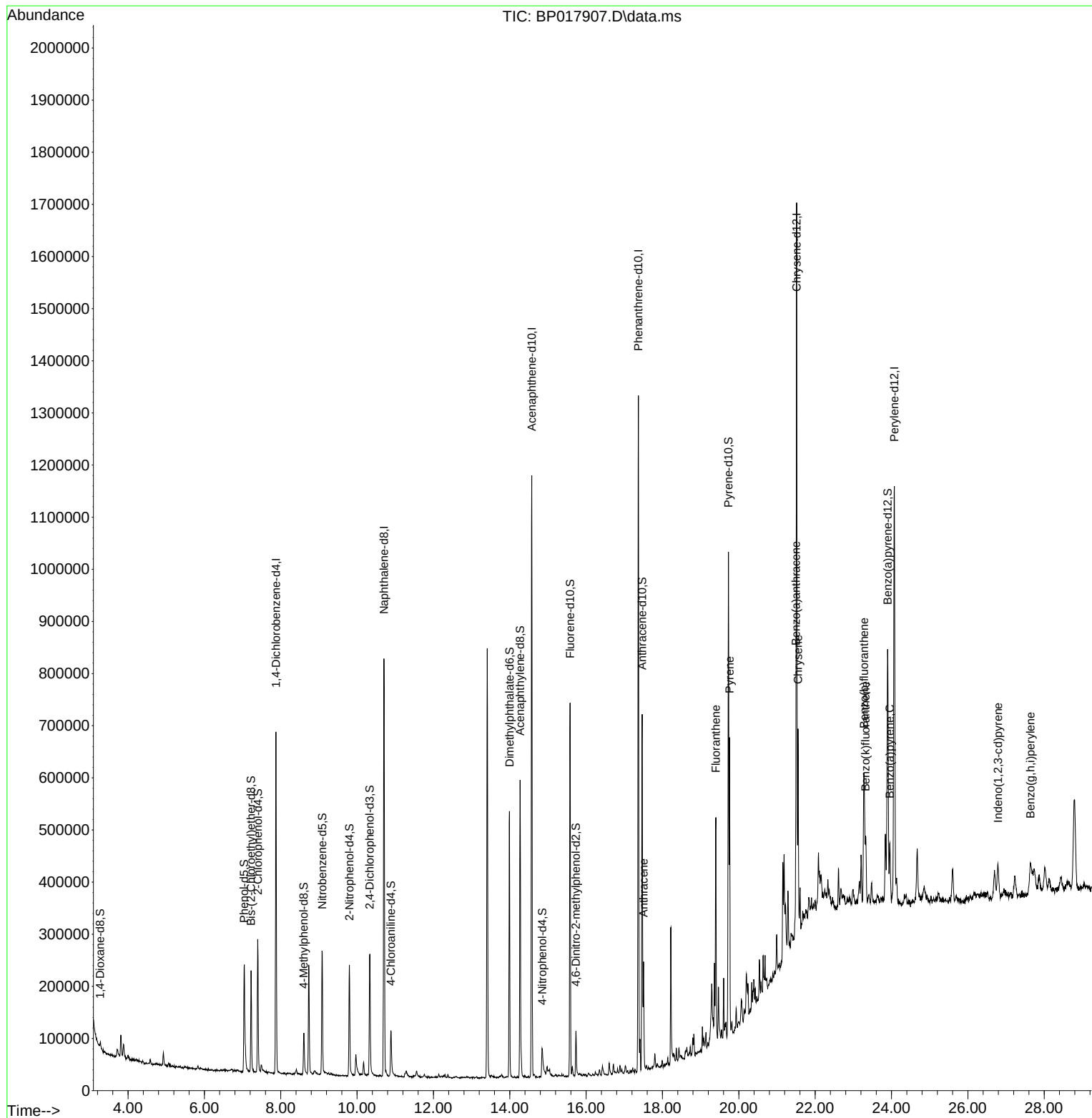
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110123\  
Data File : BP017907.D  
Acq On : 03 Nov 2023 03:21  
Operator : MA/JU  
Sample : 05060-06  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

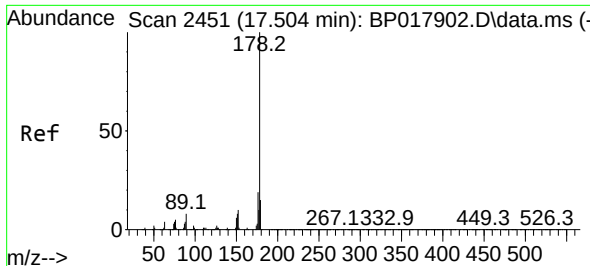
Instrument :  
BNA\_P  
ClientSampleId :  
DCKG4

Quant Time: Nov 03 04:30:57 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP101823.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 19 01:32:15 2023  
Response via : Initial Calibration

Manual Integrations  
APPROVED

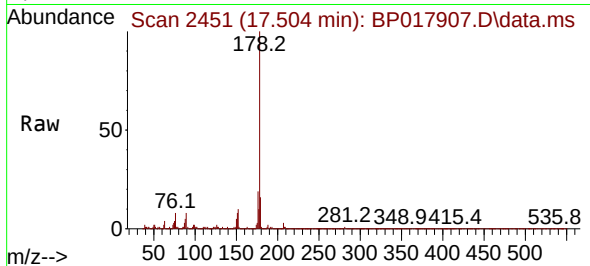
Reviewed By :Yogesh Patel 11/03/2023  
Supervised By :mohammad ahmed 11/04/2023





#74  
 Anthracene  
 Concen: 2.761 ng/ul  
 RT: 17.504 min Scan# 2451  
 Delta R.T. -0.006 min  
 Lab File: BP017907.D  
 Acq: 03 Nov 2023 03:21

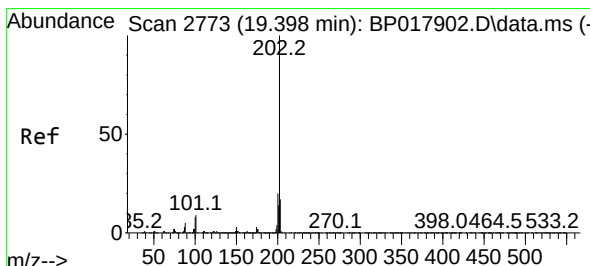
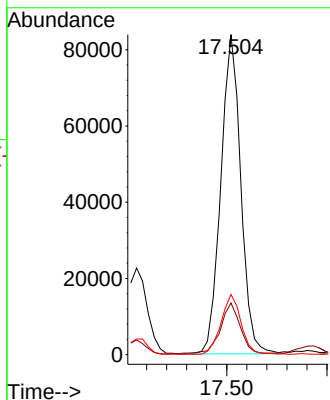
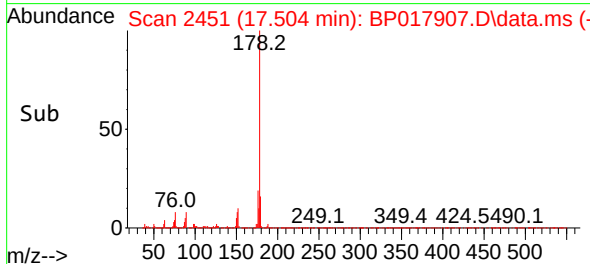
Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCKG4



Tgt Ion:178 Resp: 115750  
 Ion Ratio Lower Upper  
 178 100  
 179 16.1 12.0 18.0  
 176 18.8 14.8 22.2

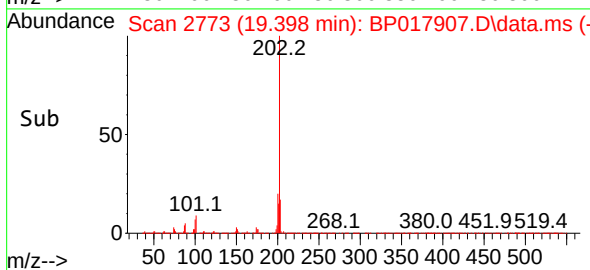
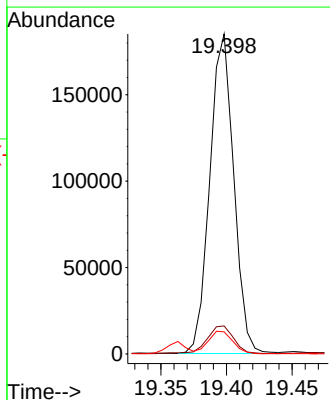
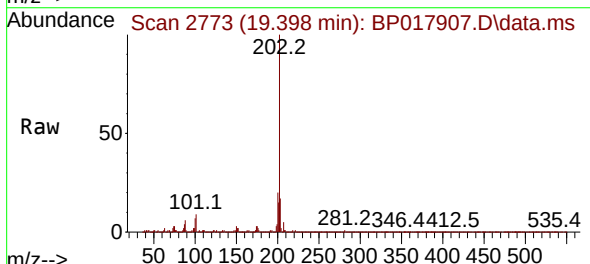
Manual Integrations  
 APPROVED

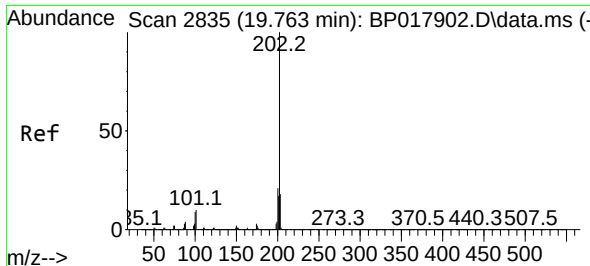
Reviewed By :Yogesh Patel 11/03/2023  
 Supervised By :mohammad ahmed 11/04/2023



#80  
 Fluoranthene  
 Concen: 5.707 ng/ul  
 RT: 19.398 min Scan# 2773  
 Delta R.T. -0.006 min  
 Lab File: BP017907.D  
 Acq: 03 Nov 2023 03:21

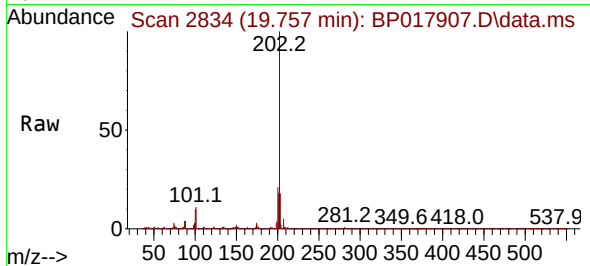
Tgt Ion:202 Resp: 234794  
 Ion Ratio Lower Upper  
 202 100  
 101 8.7 7.1 10.7  
 100 6.9 5.7 8.5





#82  
Pyrene  
Concen: 7.222 ng/ul  
RT: 19.757 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP017907.D  
Acq: 03 Nov 2023 03:21

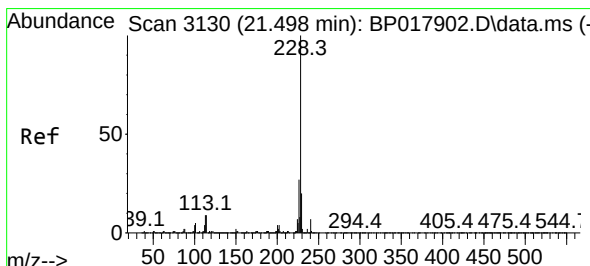
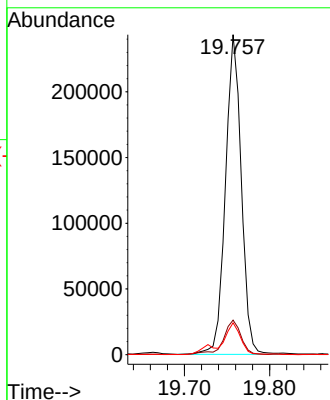
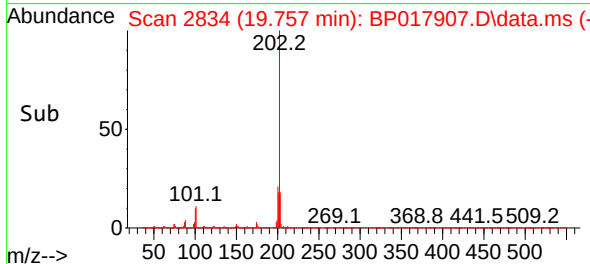
Instrument :  
BNA\_P  
ClientSampleId :  
DCKG4



Tgt Ion:202 Resp: 314768  
Ion Ratio Lower Upper  
202 100  
101 10.8 8.3 12.5  
100 10.0 7.4 11.0

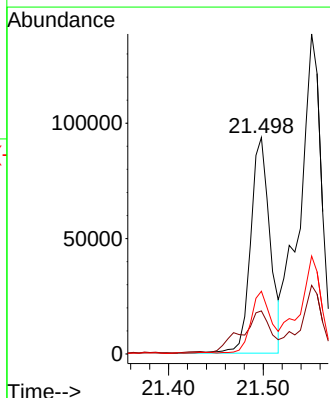
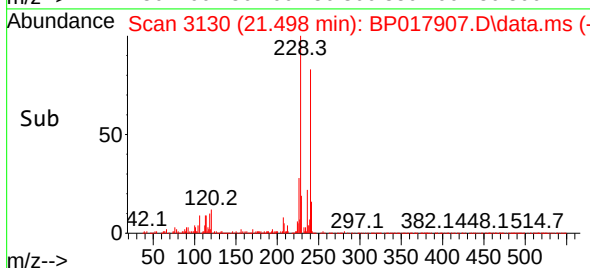
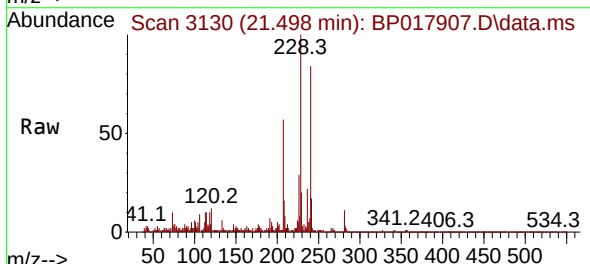
Manual Integrations  
APPROVED

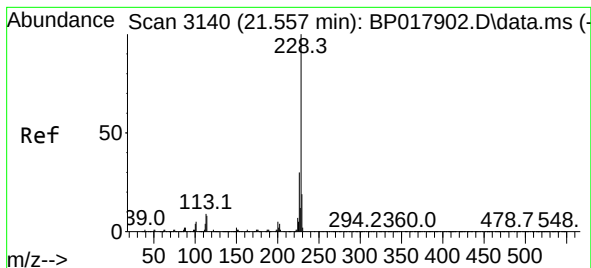
Reviewed By :Yogesh Patel 11/03/2023  
Supervised By :mohammad ahmed 11/04/2023



#85  
Benzo(a)anthracene  
Concen: 3.077 ng/ul  
RT: 21.498 min Scan# 3130  
Delta R.T. 0.000 min  
Lab File: BP017907.D  
Acq: 03 Nov 2023 03:21

Tgt Ion:228 Resp: 133607  
Ion Ratio Lower Upper  
228 100  
229 19.9 15.6 23.4  
226 29.0 21.1 31.7





#87

Chrysene

Concen: 5.394 ng/ul m

RT: 21.551 min Scan# 3140

Delta R.T. -0.006 min

Lab File: BP017907.D

Acq: 03 Nov 2023 03:21

Instrument :

BNA\_P

ClientSampleId :

DCKG4

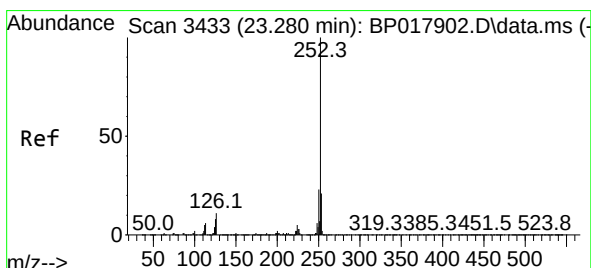
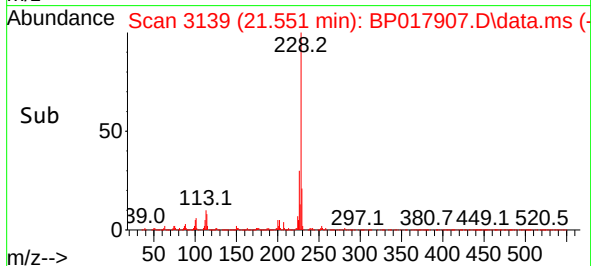
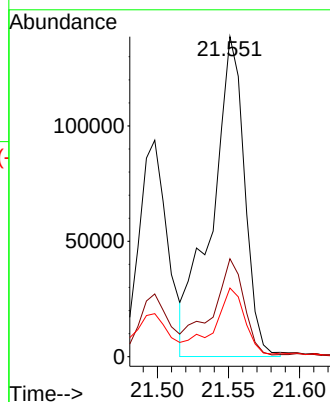
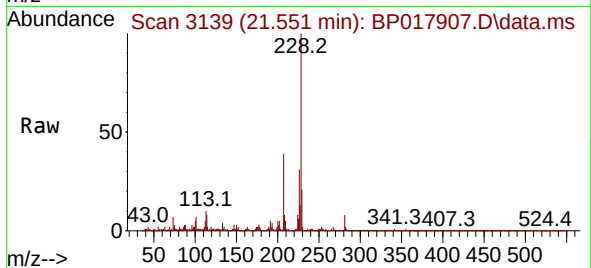
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 221464 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.6  | 24.0  | 36.0   |
| 229       | 21.4  | 15.5  | 23.3   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/03/2023

Supervised By :mohammad ahmed 11/04/2023



#90

Benzo(b)fluoranthene

Concen: 5.414 ng/ul

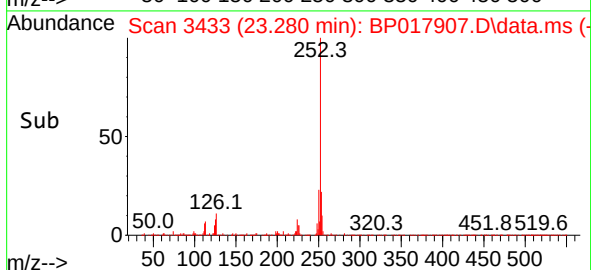
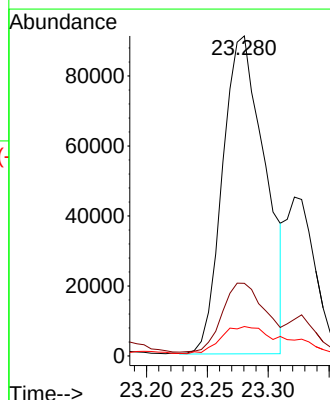
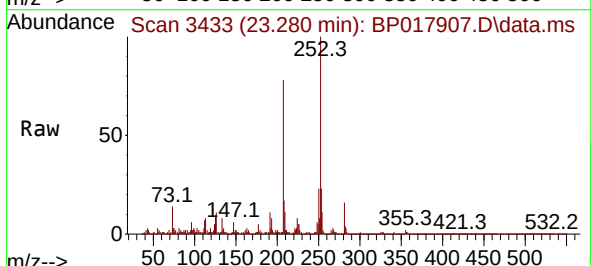
RT: 23.280 min Scan# 3433

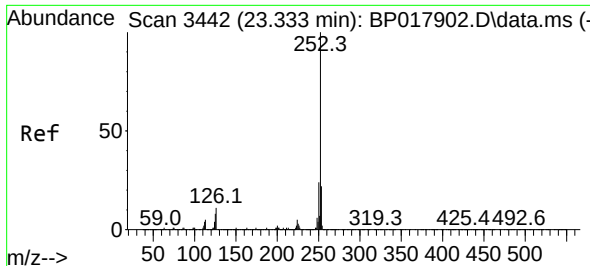
Delta R.T. 0.006 min

Lab File: BP017907.D

Acq: 03 Nov 2023 03:21

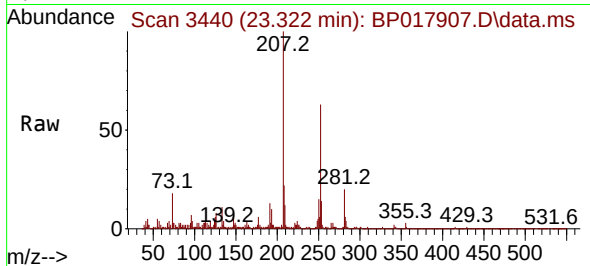
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 221192 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.7  | 17.4  | 26.0   |
| 125       | 9.2   | 7.1   | 10.7   |





#91  
Benzo(k)fluoranthene  
Concen: 1.758 ng/ul  
RT: 23.322 min Scan# 3442  
Delta R.T. -0.006 min  
Lab File: BP017907.D  
Acq: 03 Nov 2023 03:21

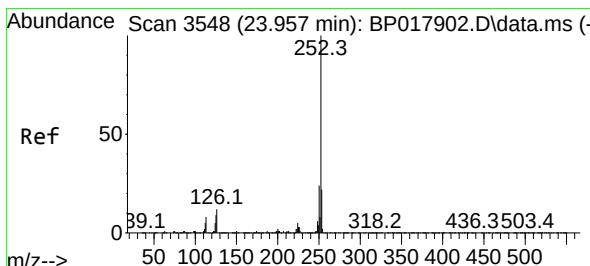
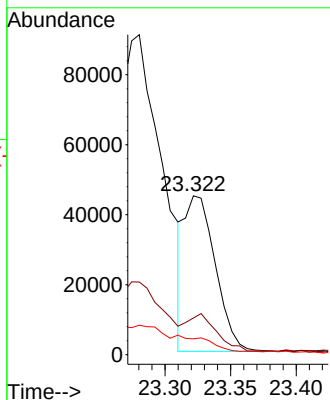
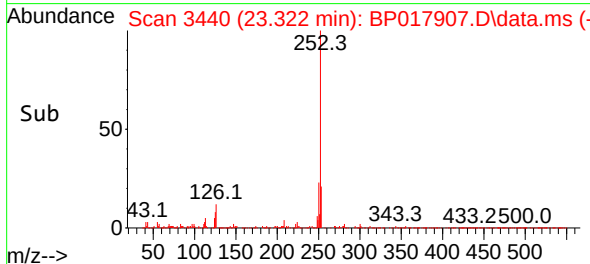
Instrument :  
BNA\_P  
ClientSampleId :  
DCKG4



Tgt Ion:252 Resp: 7279  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.5 26.3  
125 10.0 7.0 10.6

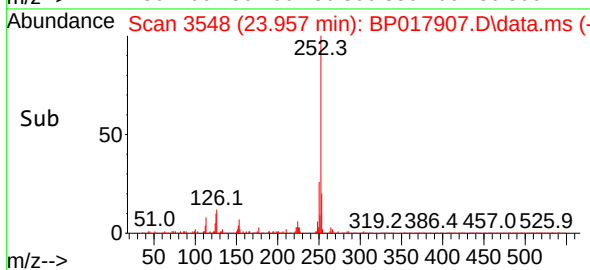
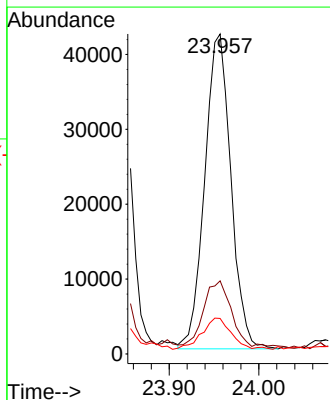
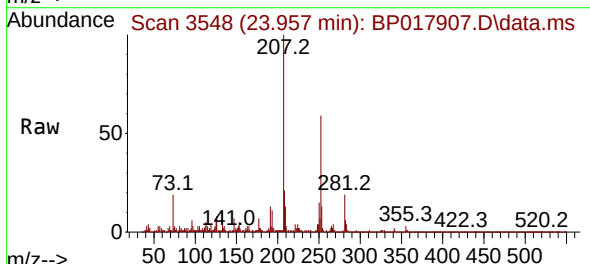
Manual Integrations  
APPROVED

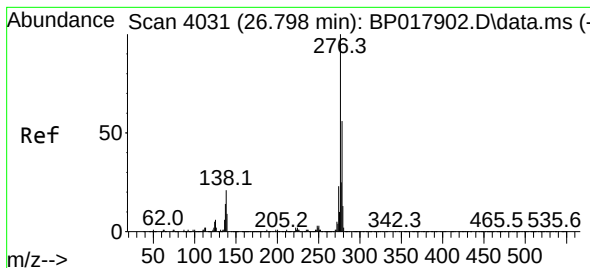
Reviewed By :Yogesh Patel 11/03/2023  
Supervised By :mohammad ahmed 11/04/2023



#93  
Benzo(a)pyrene  
Concen: 2.222 ng/ul  
RT: 23.957 min Scan# 3548  
Delta R.T. 0.000 min  
Lab File: BP017907.D  
Acq: 03 Nov 2023 03:21

Tgt Ion:252 Resp: 85209  
Ion Ratio Lower Upper  
252 100  
253 22.8 17.4 26.2  
125 11.1 7.8 11.6





#94

Indeno(1,2,3-cd)pyrene

Concen: 1.479 ng/ul

RT: 26.792 min Scan# 4031

Delta R.T. 0.012 min

Lab File: BP017907.D

Acq: 03 Nov 2023 03:21

Instrument :

BNA\_P

ClientSampleId :

DCKG4

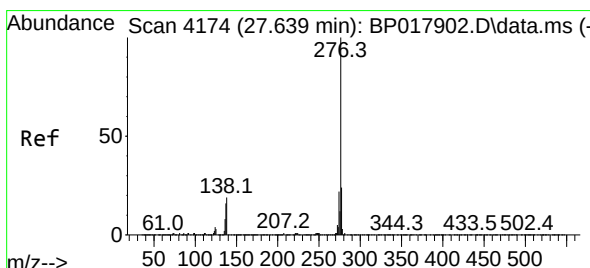
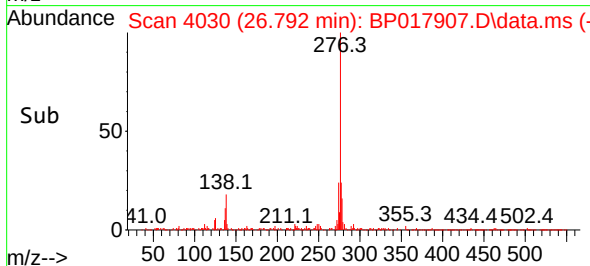
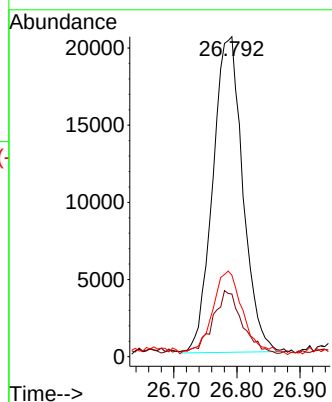
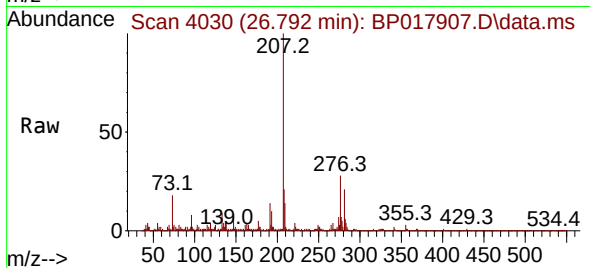
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 67598 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 19.6  | 15.6  | 23.4  |
| 277       | 25.4  | 19.4  | 29.2  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/03/2023

Supervised By :mohammad ahmed 11/04/2023



#96

Benzo(g,h,i)perylene

Concen: 1.656 ng/ul

RT: 27.639 min Scan# 4174

Delta R.T. 0.012 min

Lab File: BP017907.D

Acq: 03 Nov 2023 03:21

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 60991 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 17.9  | 15.0  | 22.6  |
| 277       | 26.2  | 18.5  | 27.7  |

