

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP040523\  
 Data File : BP014583.D  
 Acq On : 06 Apr 2023 06:37  
 Operator : CG/JU  
 Sample : 02115-04  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 CB9C2

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 04/06/2023  
 Supervised By : Jagrut Upadhyay 04/06/2023

Quant Time: Apr 06 07:13:44 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP032823.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Apr 06 00:55:13 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.981  | 152  | 148928   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.804 | 136  | 657415   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.634 | 164  | 432291   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.398 | 188  | 957677   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.480 | 240  | 718622   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.980 | 264  | 729684   | 20.000 | ng/u1  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.364  | 96   | 11422    | 2.974  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/u1  |          |
| 7) Phenol-d5                  | 7.152  | 99   | 204737   | 14.906 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.311  | 67   | 149963   | 17.017 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.511  | 132  | 161893   | 16.308 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.705  | 113  | 154314   | 13.929 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.163  | 128  | 78006    | 14.698 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.887  | 143  | 84681    | 13.934 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.434 | 165  | 155466   | 14.047 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.969 | 131  | 94482m   | 6.481  | ng/u1  | 0.01     |
| 46) Dimethylphthalate-d6      | 14.046 | 166  | 610807   | 17.426 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.328 | 160  | 637032   | 16.379 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.881 | 143  | 49805m   | 9.406  | ng/u1  | 0.02     |
| 60) Fluorene-d10              | 15.634 | 176  | 511863   | 17.512 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.763 | 200  | 67052    | 9.515  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.498 | 188  | 787243   | 16.986 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.728 | 212  | 609002   | 12.617 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.821 | 264  | 269423   | 6.950  | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 16) Acetophenone              | 8.822  | 105  | 44966    | 2.458  | ng/u1# | 92       |
| 72) Phenanthrene              | 17.439 | 178  | 268731   | 5.044  | ng/u1  | 99       |
| 80) Fluoranthene              | 19.404 | 202  | 731647   | 12.820 | ng/u1  | 99       |
| 82) Pyrene                    | 19.757 | 202  | 352492   | 5.916  | ng/u1  | 99       |
| 85) Benzo(a)anthracene        | 21.469 | 228  | 265011   | 5.204  | ng/u1  | 98       |
| 87) Chrysene                  | 21.522 | 228  | 318369   | 6.621  | ng/u1  | 98       |
| 90) Benzo(b)fluoranthene      | 23.216 | 252  | 388051   | 7.874  | ng/u1  | 98       |
| 91) Benzo(k)fluoranthene      | 23.263 | 252  | 132593m  | 2.770  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 23.869 | 252  | 68007    | 1.603  | ng/u1# | 92       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.604 | 276  | 82953    | 1.421  | ng/u1  | 99       |
| -----                         |        |      |          |        |        |          |

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

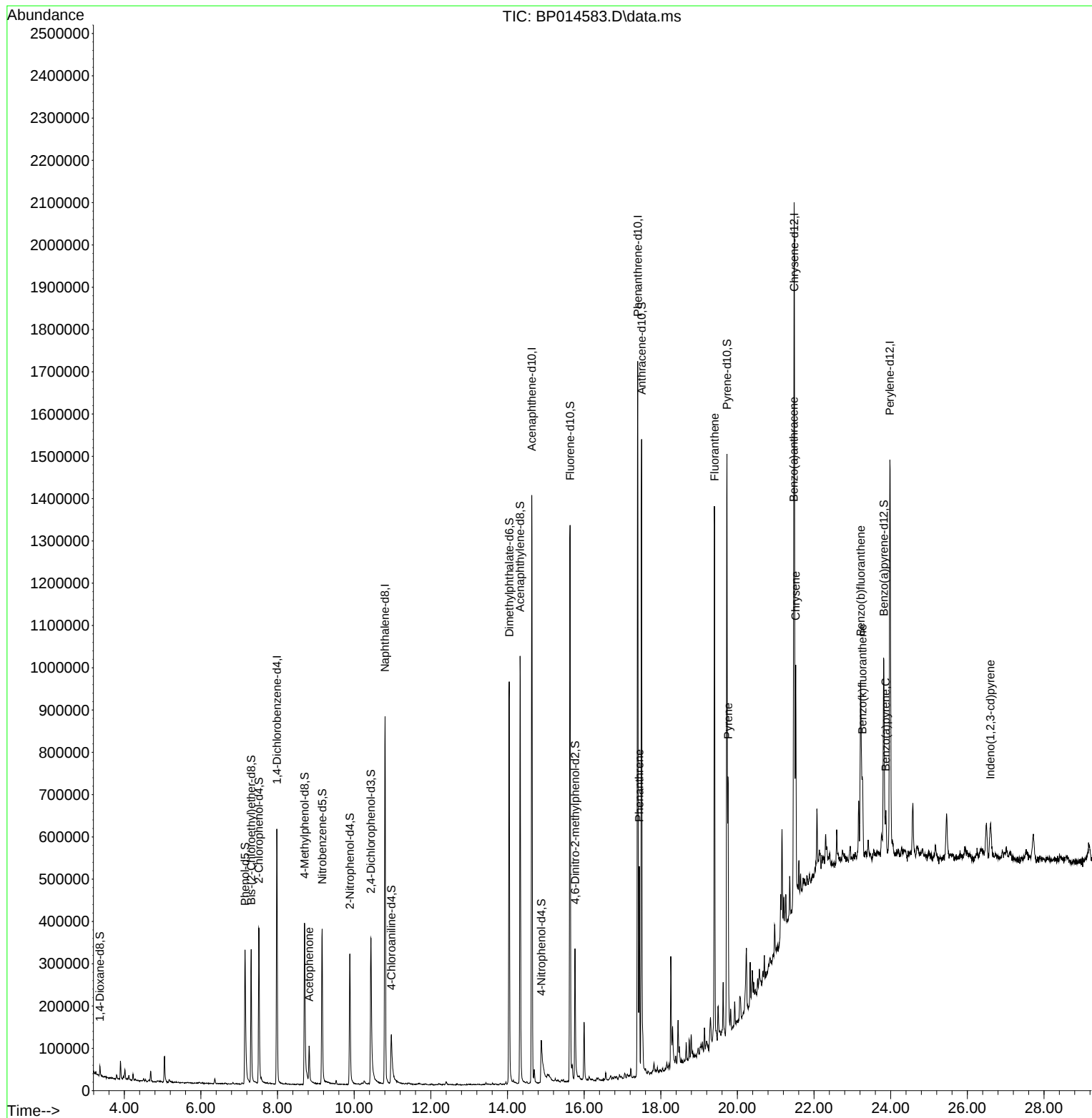
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP040523\  
Data File : BP014583.D  
Acq On : 06 Apr 2023 06:37  
Operator : CG/JU  
Sample : 02115-04  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

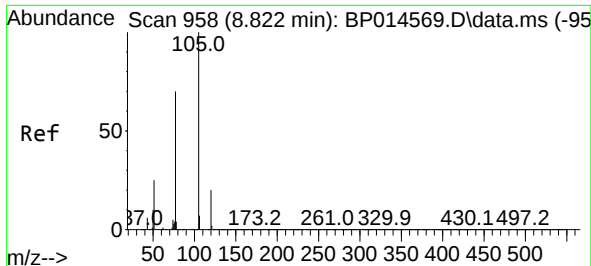
Instrument :  
BNA\_P  
ClientSampleId :  
CB9C2

Quant Time: Apr 06 07:13:44 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP032823.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Apr 06 00:55:13 2023  
Response via : Initial Calibration

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Supervised By : Jagrut Upadhyay 04/06/2023





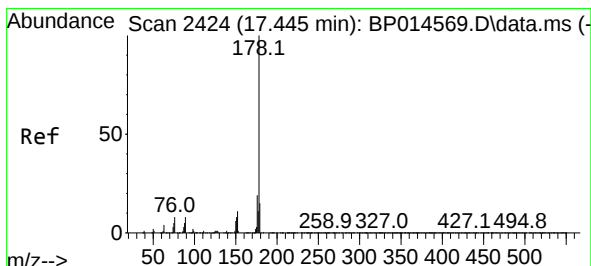
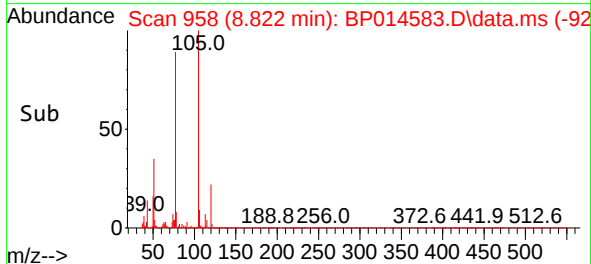
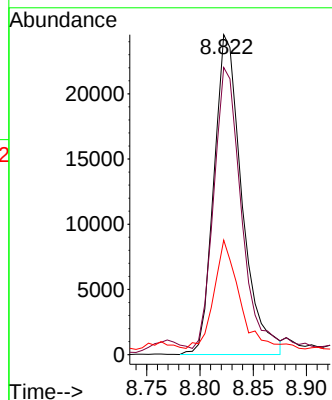
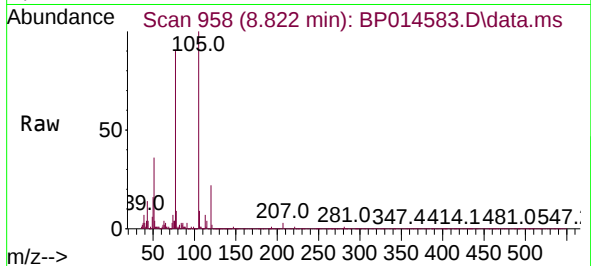
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Acetophenone  
Concen: 2.458 ng/ul  
RT: 8.822 min Scan# 958  
Delta R.T. 0.000 min  
Lab File: BP014583.D  
Acq: 06 Apr 2023 06:37

Instrument :  
BNA\_P  
ClientSampleId :  
CB9C2

Tgt Ion:105 Resp: 44966  
Ion Ratio Lower Upper  
105 100  
77 89.7 67.3 100.9  
51 35.8 23.0 34.4

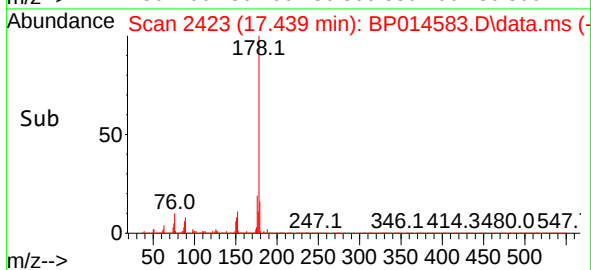
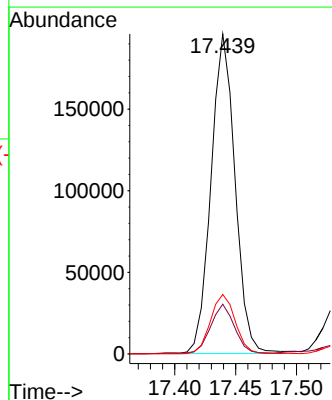
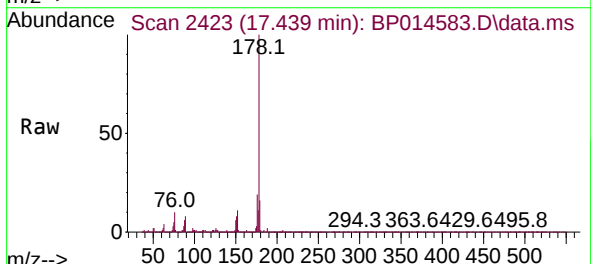
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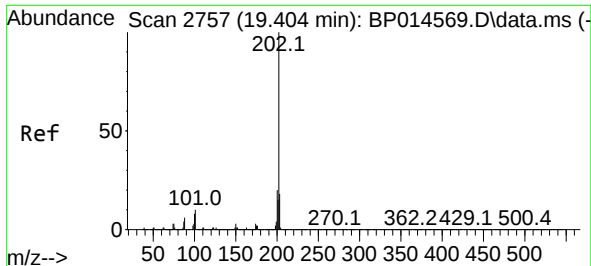
Reviewed By :Christian Giraldo 04/06/2023  
Supervised By :Jagrut Upadhyay 04/06/2023



#72  
Phenanthrene  
Concen: 5.044 ng/ul  
RT: 17.439 min Scan# 2423  
Delta R.T. -0.006 min  
Lab File: BP014583.D  
Acq: 06 Apr 2023 06:37

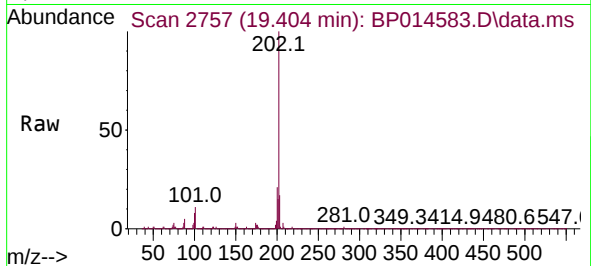
Tgt Ion:178 Resp: 268731  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.2 18.4  
176 18.6 15.3 22.9





#80  
Fluoranthene  
Concen: 12.820 ng/ul  
RT: 19.404 min Scan# 2757  
Delta R.T. 0.000 min  
Lab File: BP014583.D  
Acq: 06 Apr 2023 06:37

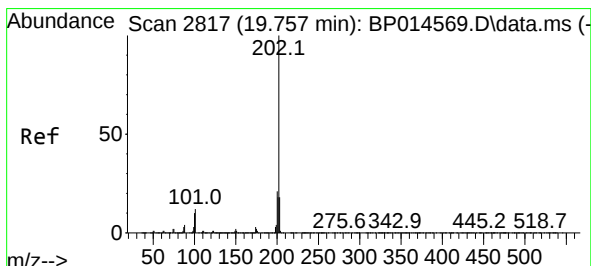
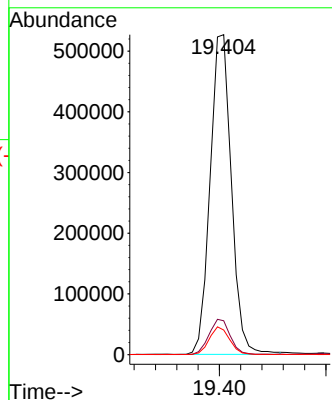
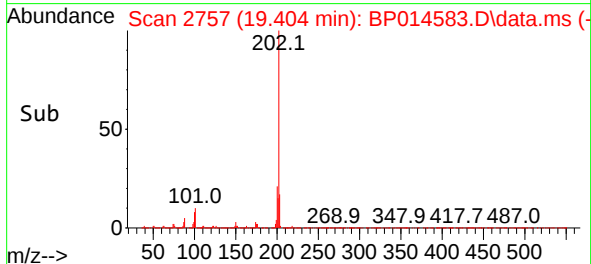
Instrument :  
BNA\_P  
ClientSampleId :  
CB9C2



Tgt Ion:202 Resp: 73164  
Ion Ratio Lower Upper  
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101 10.6 8.2 12.2  
100 7.7 6.4 9.6

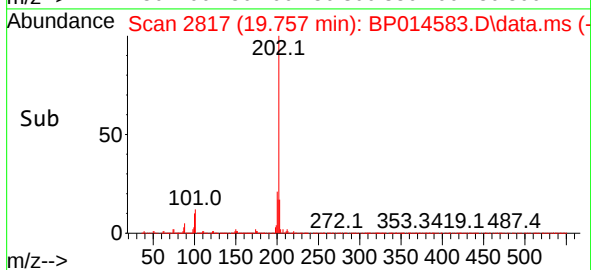
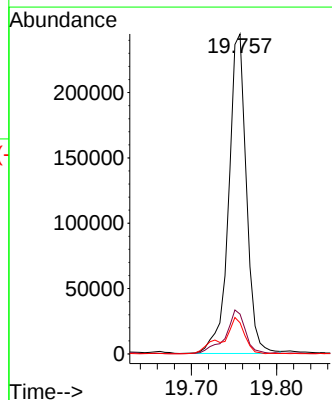
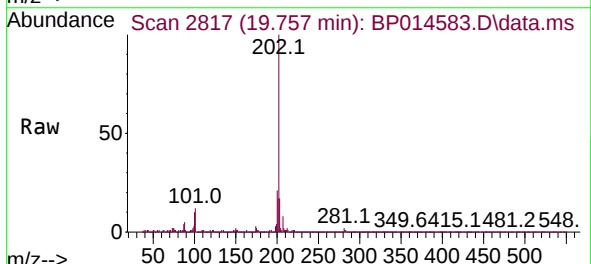
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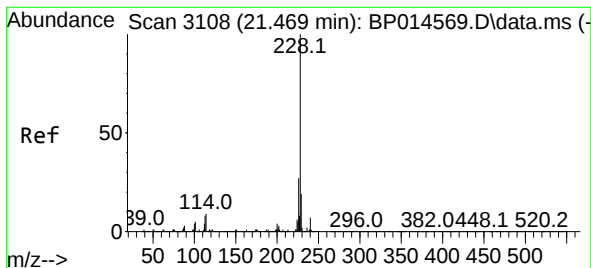
Reviewed By :Christian Giraldo 04/06/2023  
Supervised By :Jagrut Upadhyay 04/06/2023



#82  
Pyrene  
Concen: 5.916 ng/ul  
RT: 19.757 min Scan# 2817  
Delta R.T. 0.000 min  
Lab File: BP014583.D  
Acq: 06 Apr 2023 06:37

Tgt Ion:202 Resp: 352492  
Ion Ratio Lower Upper  
202 100  
101 12.4 9.7 14.5  
100 9.7 8.0 12.0





#85

Benzo(a)anthracene

Concen: 5.204 ng/uI

RT: 21.469 min Scan# 3108

Delta R.T. 0.000 min

Lab File: BP014583.D

Acq: 06 Apr 2023 06:37

Instrument :

BNA\_P

ClientSampleId :

CB9C2

Tgt Ion:228 Resp: 26501

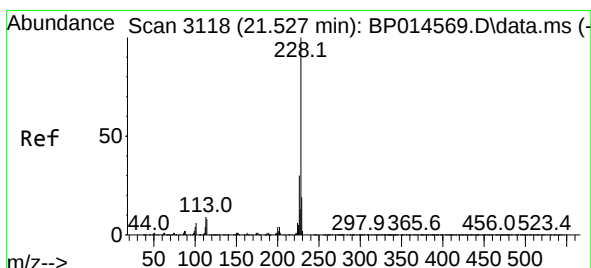
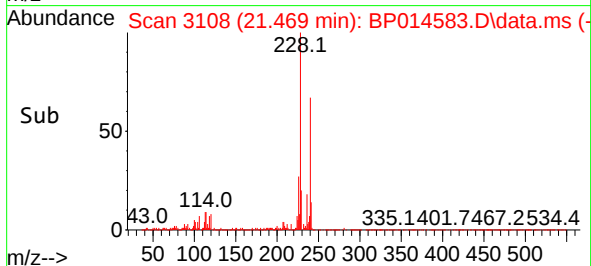
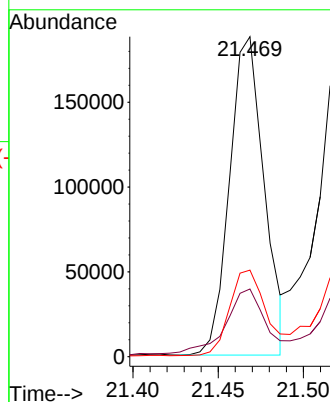
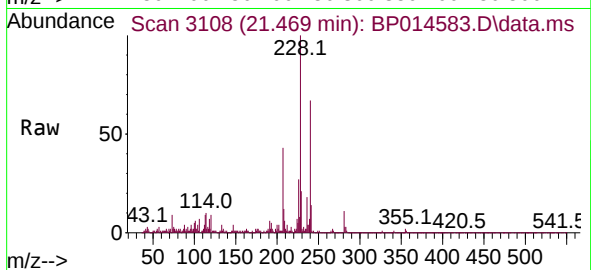
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 229 | 21.1  | 15.6  | 23.4  |
| 226 | 27.0  | 21.8  | 32.6  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/06/2023

Supervised By :Jagrut Upadhyay 04/06/2023



#87

Chrysene

Concen: 6.621 ng/uI

RT: 21.522 min Scan# 3117

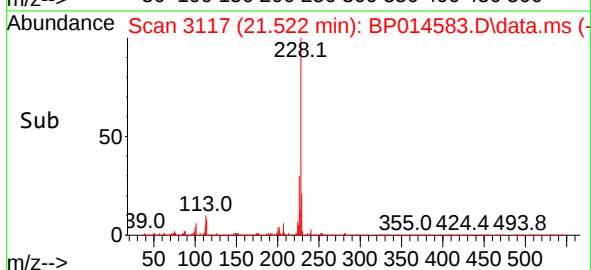
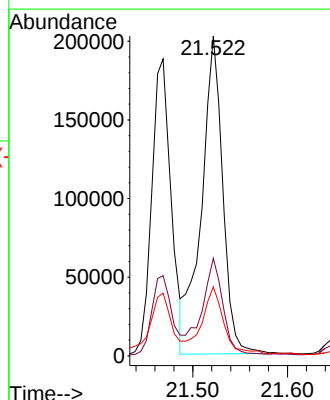
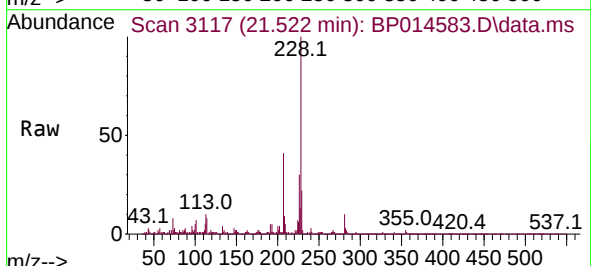
Delta R.T. -0.006 min

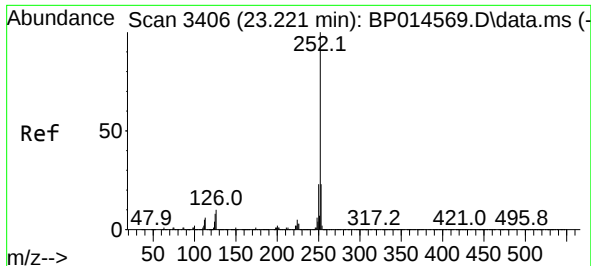
Lab File: BP014583.D

Acq: 06 Apr 2023 06:37

Tgt Ion:228 Resp: 318369

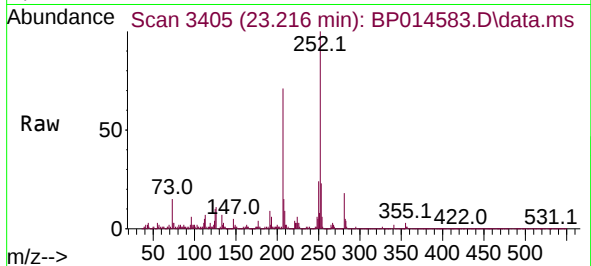
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.5  | 23.8  | 35.8  |
| 229 | 21.6  | 16.1  | 24.1  |





#90  
Benzo(b)fluoranthene  
Concen: 7.874 ng/ul  
RT: 23.216 min Scan# 3405  
Delta R.T. -0.006 min  
Lab File: BP014583.D  
Acq: 06 Apr 2023 06:37

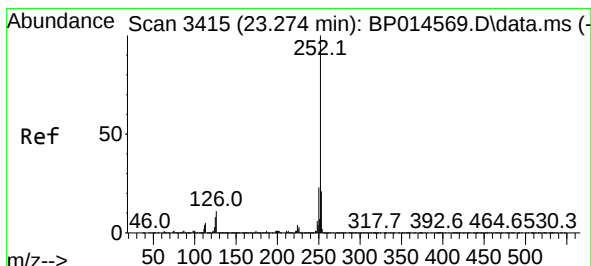
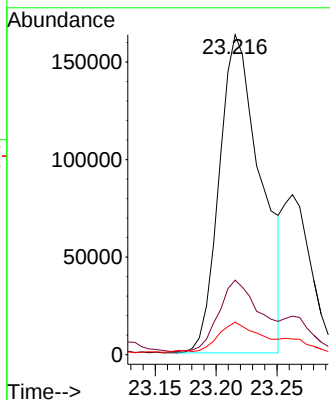
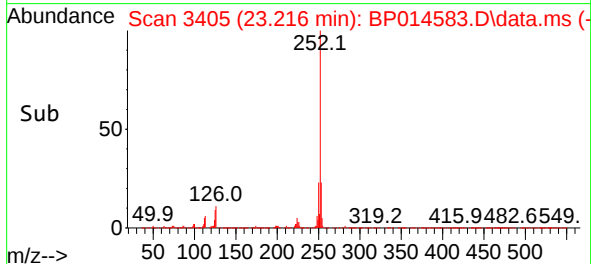
Instrument :  
BNA\_P  
ClientSampleId :  
CB9C2



Tgt Ion:252 Resp: 38805  
Ion Ratio Lower Upper  
252 100  
253 23.3 18.0 27.0  
125 10.1 6.8 10.2

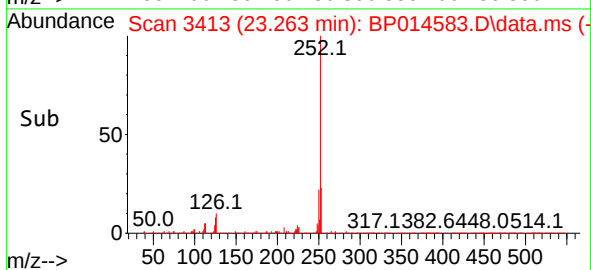
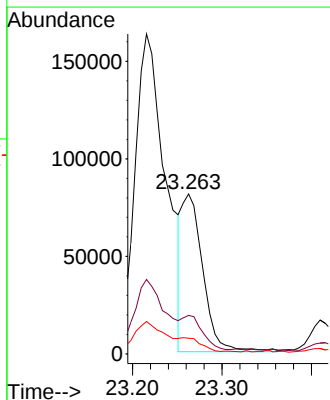
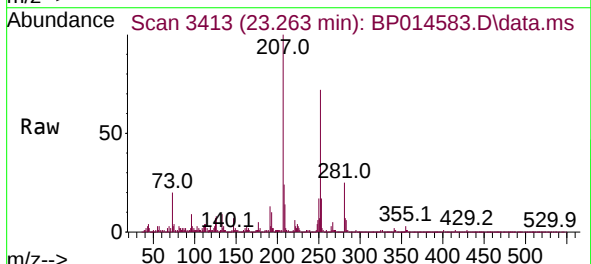
Manual Integrations  
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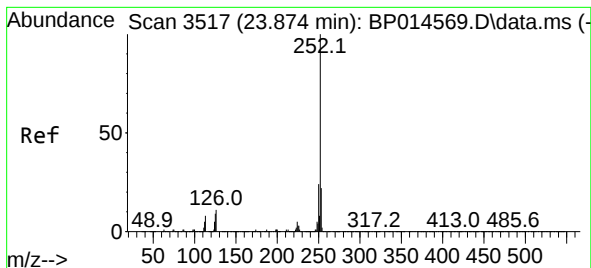
Reviewed By :Christian Giraldo 04/06/2023  
Supervised By :Jagrut Upadhyay 04/06/2023



#91  
Benzo(k)fluoranthene  
Concen: 2.770 ng/ul m  
RT: 23.263 min Scan# 3413  
Delta R.T. -0.012 min  
Lab File: BP014583.D  
Acq: 06 Apr 2023 06:37

Tgt Ion:252 Resp: 132593  
Ion Ratio Lower Upper  
252 100  
253 24.0 17.3 25.9  
125 9.8 6.9 10.3





#93

Benzo(a)pyrene

Concen: 1.603 ng/ul

RT: 23.869 min Scan# 3517

Delta R.T. -0.006 min

Lab File: BP014583.D

Acq: 06 Apr 2023 06:37

Instrument :

BNA\_P

ClientSampleId :

CB9C2

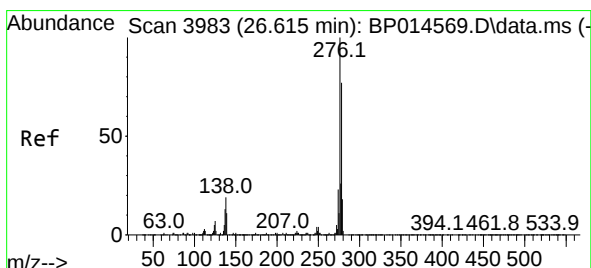
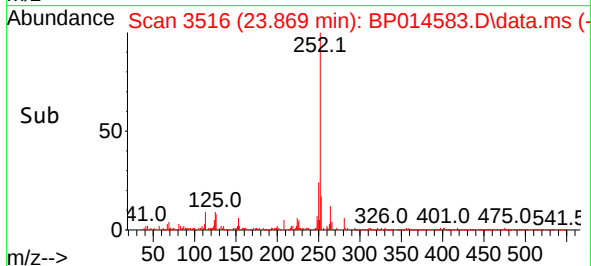
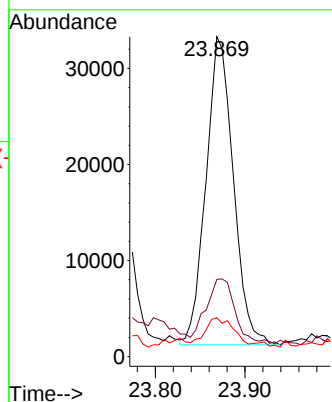
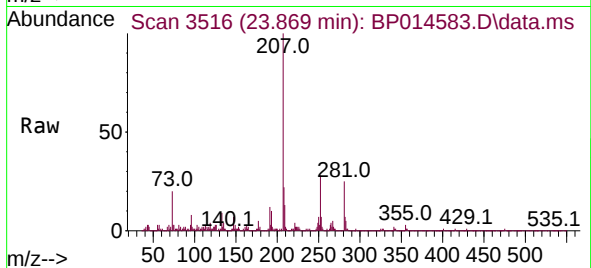
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|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 6800 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 24.1  | 16.9  | 25.3 |
| 125       | 12.2  | 6.8   | 10.2 |

Manual Integrations

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Reviewed By :Christian Giraldo 04/06/2023

Supervised By :Jagrut Upadhyay 04/06/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 1.421 ng/ul

RT: 26.604 min Scan# 3981

Delta R.T. -0.012 min

Lab File: BP014583.D

Acq: 06 Apr 2023 06:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 82953 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 19.0  | 14.9  | 22.3  |
| 277       | 25.6  | 20.3  | 30.5  |

