

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP022324\  
 Data File : BP019845.D  
 Acq On : 23 Feb 2024 16:06  
 Operator : MA/JU  
 Sample : P1537-11  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 11

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 02/27/2024  
 Supervised By :mohammad ahmed 02/27/2024

Quant Time: Feb 23 16:38:49 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP013124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 23 13:10:49 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.904  | 152  | 86003    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.704 | 136  | 290085   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.545 | 164  | 201696   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.310 | 188  | 453756   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.415 | 240  | 448164   | 20.000  | ng    | #-0.01   |
| 86) Perylene-d12            | 23.850 | 264  | 517302   | 20.000  | ng    | -0.02    |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.481  | 112  | 433549   | 81.258  | ng    | 0.00     |
| 7) Phenol-d6                | 7.081  | 99   | 563991   | 78.396  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.075  | 82   | 395100   | 59.018  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.045 | 330  | 369256   | 125.388 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.169 | 172  | 956185   | 58.606  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.880 | 244  | 1785715  | 65.527  | ng    | -0.01    |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 71) Phenanthrene            | 17.351 | 178  | 65752    | 2.753   | ng    | 98       |
| 75) Fluoranthene            | 19.321 | 202  | 167899   | 5.756   | ng    | 98       |
| 78) Pyrene                  | 19.674 | 202  | 166898   | 5.277   | ng    | 98       |
| 81) Benzo(a)anthracene      | 21.398 | 228  | 96326    | 3.053   | ng    | 94       |
| 83) Chrysene                | 21.451 | 228  | 96219m   | 3.213   | ng    |          |
| 88) Benzo(b)fluoranthene    | 23.103 | 252  | 121883   | 3.738   | ng    | # 91     |
| 90) Benzo(a)pyrene          | 23.739 | 252  | 86141    | 2.969   | ng    | # 92     |
| -----                       |        |      |          |         |       |          |

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

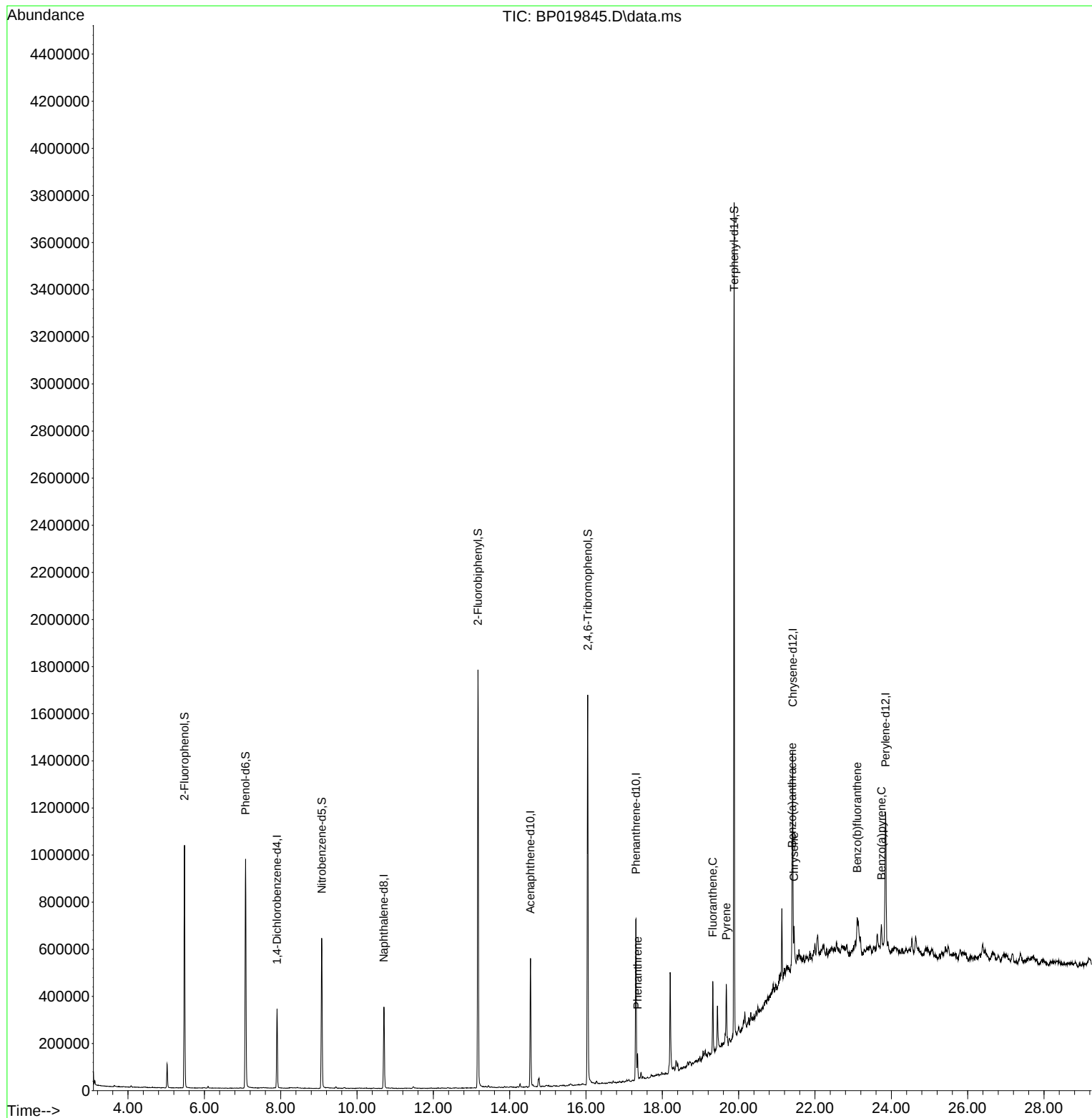
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP022324\  
Data File : BP019845.D  
Acq On : 23 Feb 2024 16:06  
Operator : MA/JU  
Sample : P1537-11  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

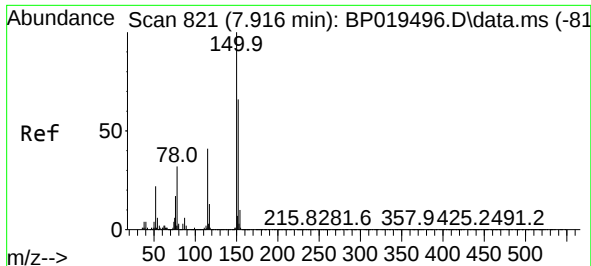
Instrument :  
BNA\_P  
ClientSampleId :  
11

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/27/2024  
Supervised By :mohammad ahmed 02/27/2024

Quant Time: Feb 23 16:38:49 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP013124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 23 13:10:49 2024  
Response via : Initial Calibration





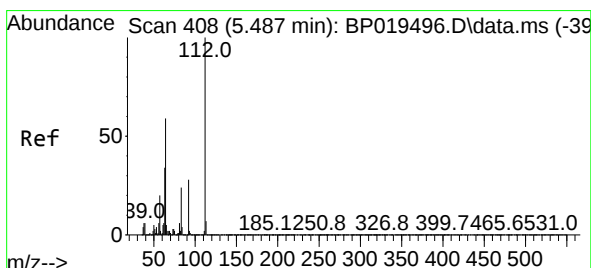
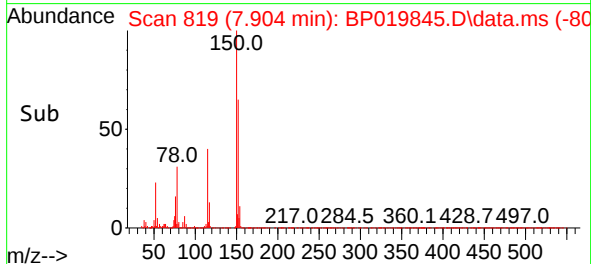
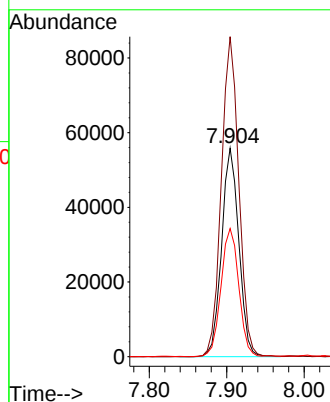
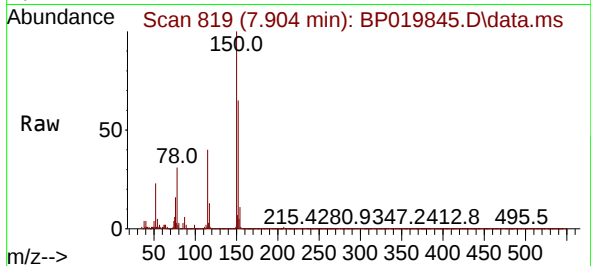
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.904 min Scan# 811  
Delta R.T. 0.005 min  
Lab File: BP019845.D  
Acq: 23 Feb 2024 16:06

Instrument :  
BNA\_P  
ClientSampleId :  
11

Tgt Ion:152 Resp: 8600  
Ion Ratio Lower Upper  
152 100  
150 153.5 121.8 182.8  
115 61.5 49.9 74.9

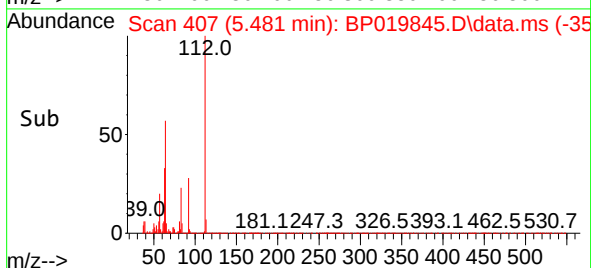
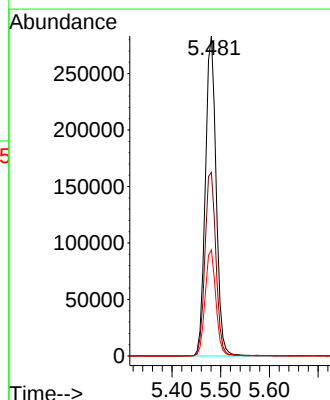
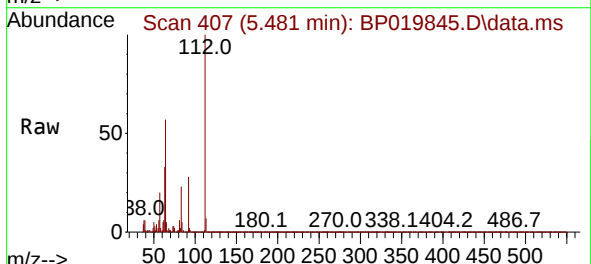
Manual Integrations  
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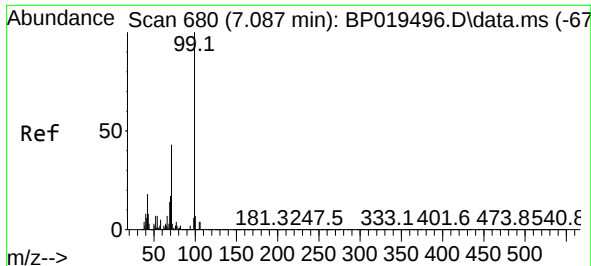
Reviewed By :Yogesh Patel 02/27/2024  
Supervised By :mohammad ahmed 02/27/2024



#5  
2-Fluorophenol  
Concen: 81.258 ng  
RT: 5.481 min Scan# 407  
Delta R.T. 0.005 min  
Lab File: BP019845.D  
Acq: 23 Feb 2024 16:06

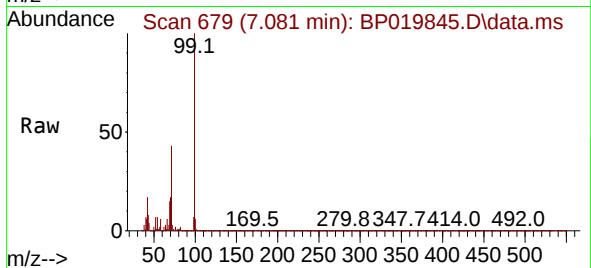
Tgt Ion:112 Resp: 433549  
Ion Ratio Lower Upper  
112 100  
64 57.4 47.4 71.0  
63 33.2 27.0 40.6





#7  
Phenol-d6  
Concen: 78.396 ng  
RT: 7.081 min Scan# 611  
Delta R.T. 0.005 min  
Lab File: BP019845.D  
Acq: 23 Feb 2024 16:06

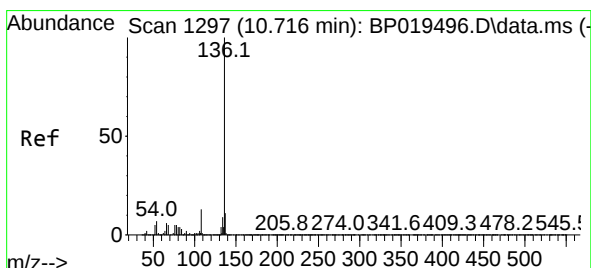
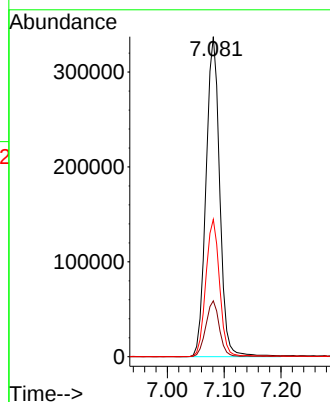
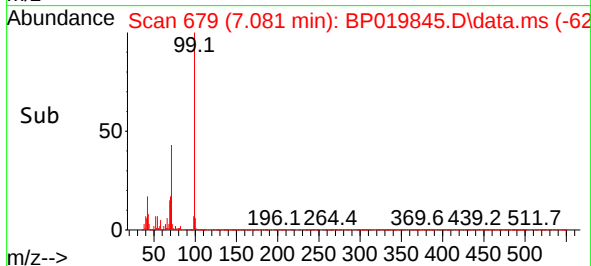
Instrument :  
BNA\_P  
ClientSampleId :  
11



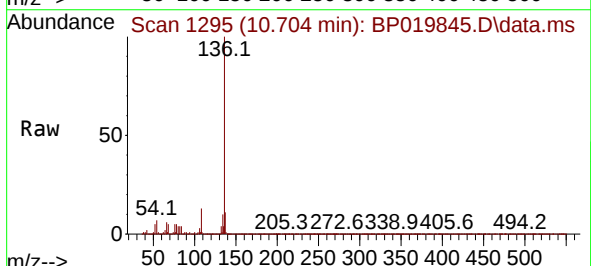
Tgt Ion: 99 Resp: 56399  
Ion Ratio Lower Upper  
99 100  
42 17.5 14.7 22.1  
71 42.9 34.8 52.2

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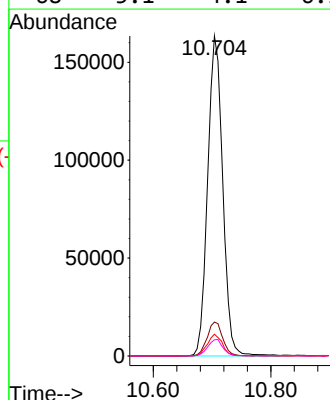
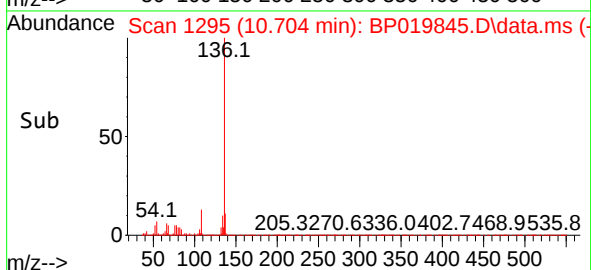
Reviewed By :Yogesh Patel 02/27/2024  
Supervised By :mohammad ahmed 02/27/2024



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.704 min Scan# 1295  
Delta R.T. -0.000 min  
Lab File: BP019845.D  
Acq: 23 Feb 2024 16:06



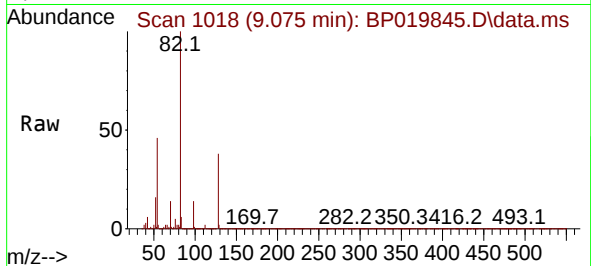
Tgt Ion:136 Resp: 290085  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.8 13.2  
54 6.8 5.3 7.9  
68 5.1 4.1 6.1





#23  
Nitrobenzene-d5  
Concen: 59.018 ng  
RT: 9.075 min Scan# 1018  
Delta R.T. -0.000 min  
Lab File: BP019845.D  
Acq: 23 Feb 2024 16:06

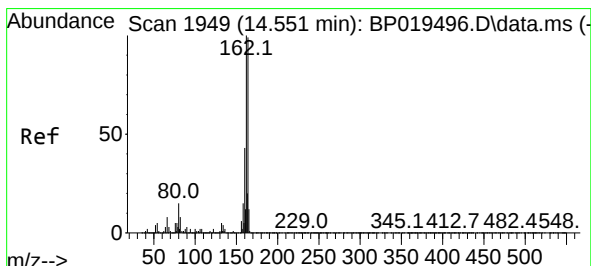
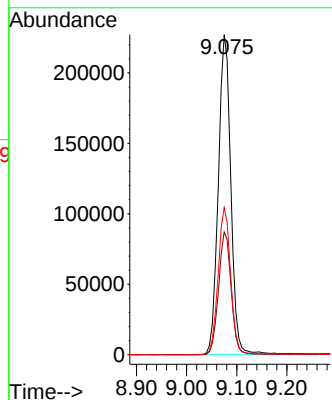
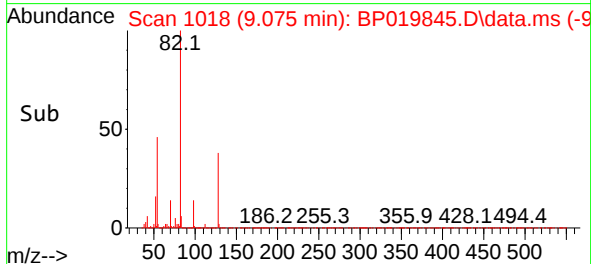
Instrument :  
BNA\_P  
ClientSampleId :  
11



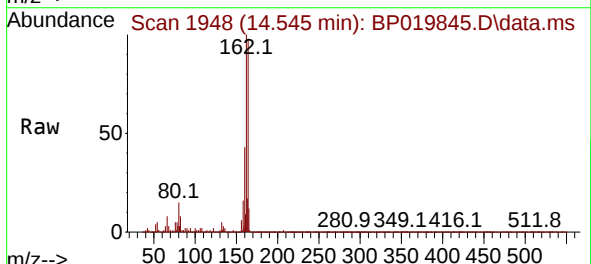
Tgt Ion: 82 Resp: 395100  
Ion Ratio Lower Upper  
82 100  
128 38.4 29.7 44.5  
54 45.9 36.8 55.2

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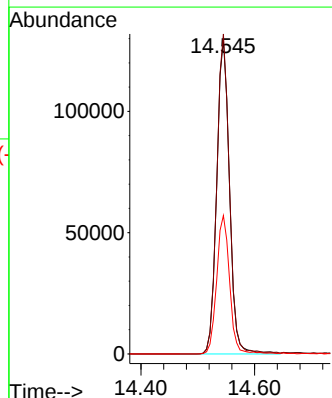
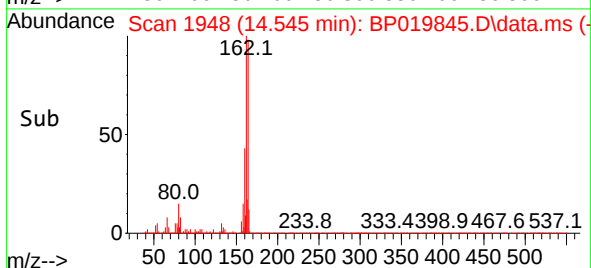
Reviewed By :Yogesh Patel 02/27/2024  
Supervised By :mohammad ahmed 02/27/2024

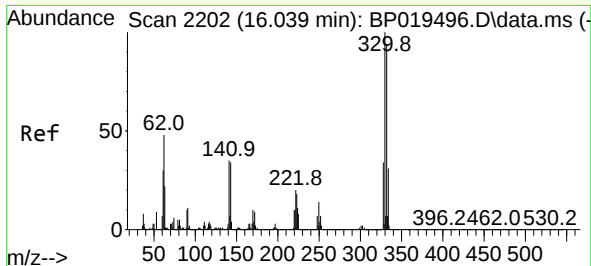


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.545 min Scan# 1948  
Delta R.T. -0.000 min  
Lab File: BP019845.D  
Acq: 23 Feb 2024 16:06



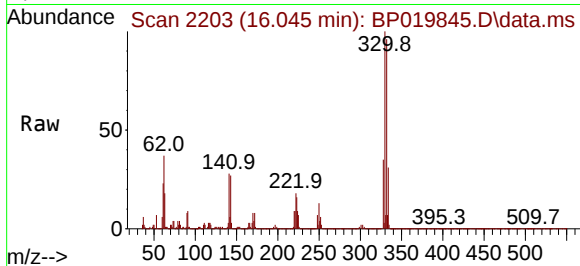
Tgt Ion:164 Resp: 201696  
Ion Ratio Lower Upper  
164 100  
162 102.0 81.2 121.8  
160 44.1 35.1 52.7





#42  
2,4,6-Tribromophenol  
Concen: 125.388 ng  
RT: 16.045 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: BP019845.D  
Acq: 23 Feb 2024 16:06

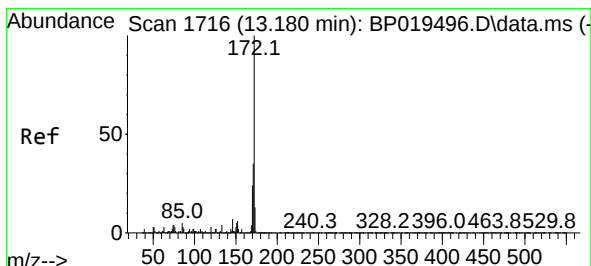
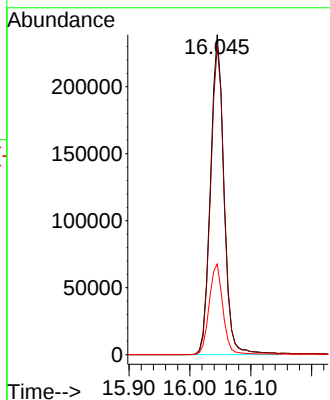
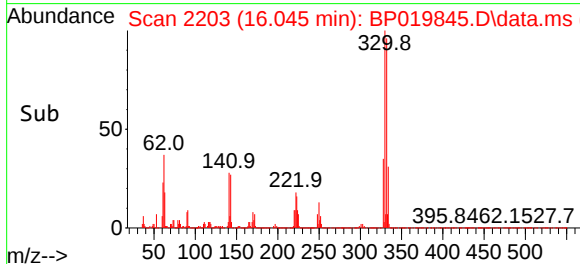
Instrument :  
BNA\_P  
ClientSampleId :  
11



Tgt Ion:330 Resp: 369250  
Ion Ratio Lower Upper  
330 100  
332 96.8 77.2 115.8  
141 28.6 27.0 40.4

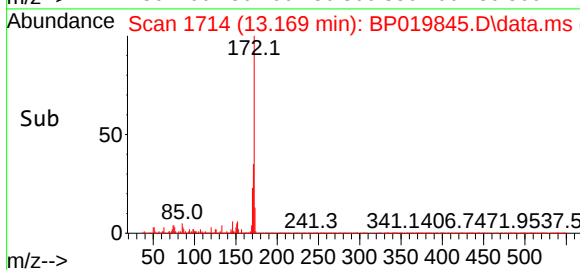
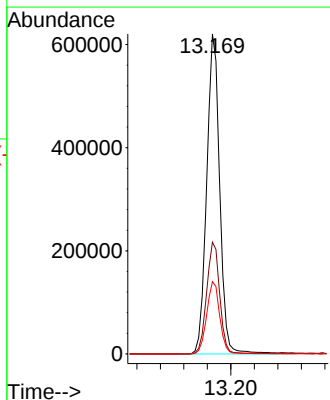
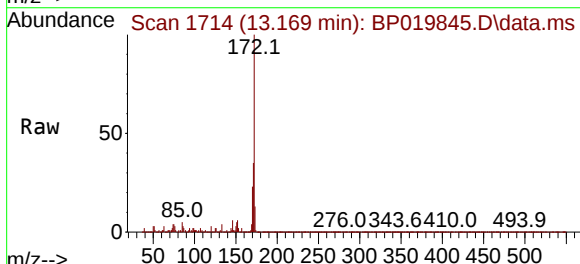
Manual Integrations  
APPROVED

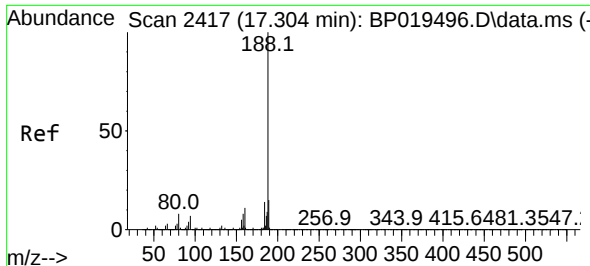
Reviewed By :Yogesh Patel 02/27/2024  
Supervised By :mohammad ahmed 02/27/2024



#45  
2-Fluorobiphenyl  
Concen: 58.606 ng  
RT: 13.169 min Scan# 1714  
Delta R.T. -0.000 min  
Lab File: BP019845.D  
Acq: 23 Feb 2024 16:06

Tgt Ion:172 Resp: 956185  
Ion Ratio Lower Upper  
172 100  
171 34.9 28.2 42.4  
170 22.6 18.9 28.3





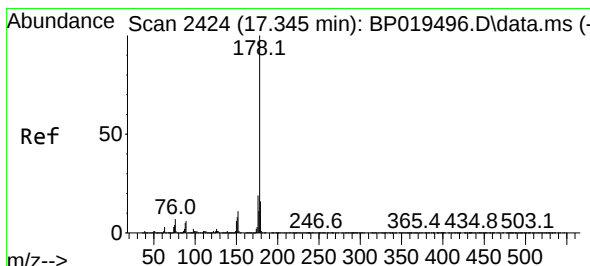
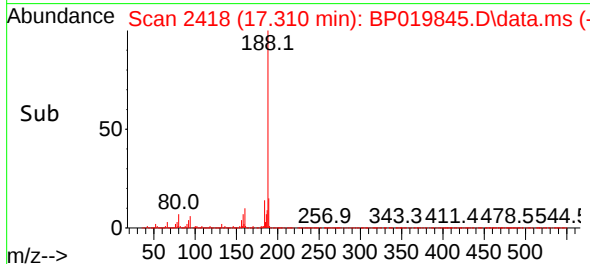
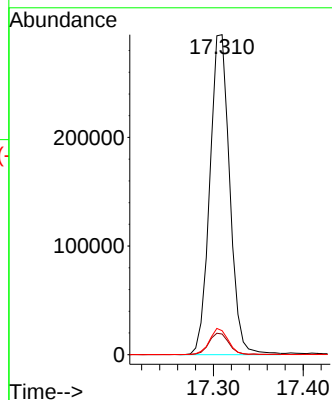
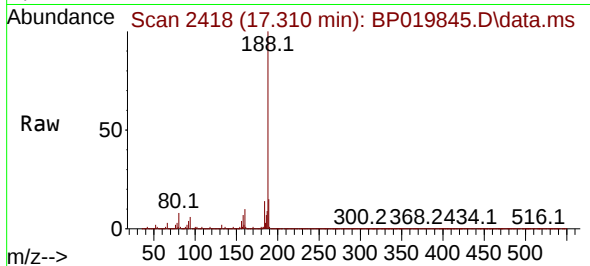
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.310 min Scan# 2418  
Delta R.T. -0.000 min  
Lab File: BP019845.D  
Acq: 23 Feb 2024 16:06

Instrument :  
BNA\_P  
ClientSampleId :  
11

Tgt Ion:188 Resp: 453750  
Ion Ratio Lower Upper  
188 100  
94 6.4 5.4 8.2  
80 7.5 6.3 9.5

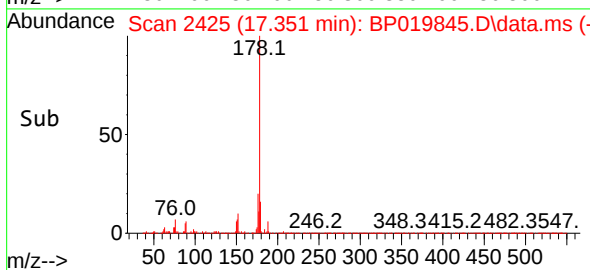
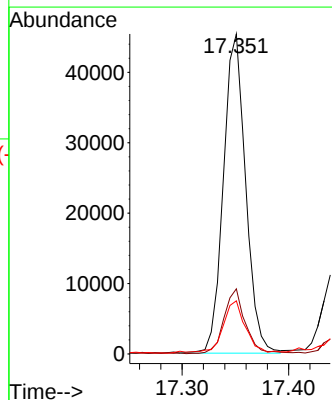
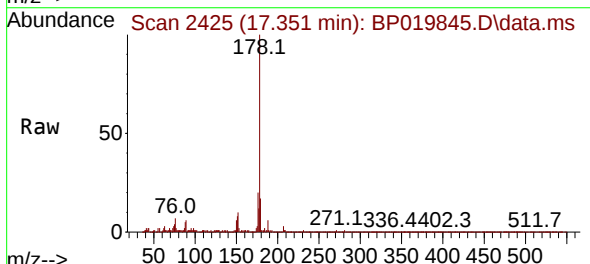
Manual Integrations  
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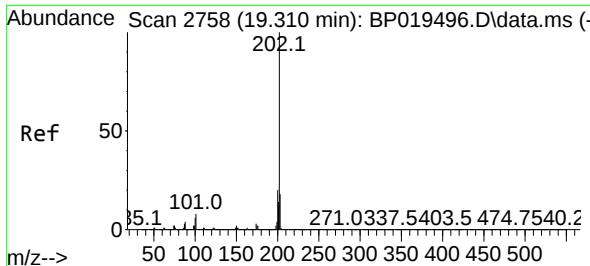
Reviewed By :Yogesh Patel 02/27/2024  
Supervised By :mohammad ahmed 02/27/2024



#71  
Phenanthrene  
Concen: 2.753 ng  
RT: 17.351 min Scan# 2425  
Delta R.T. -0.006 min  
Lab File: BP019845.D  
Acq: 23 Feb 2024 16:06

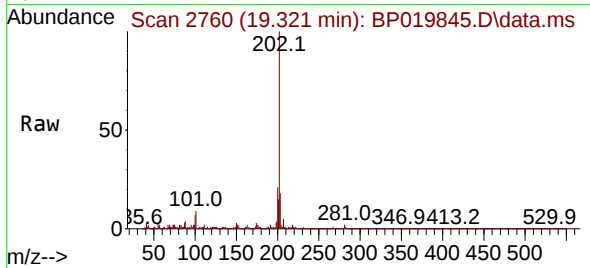
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Ion Ratio Lower Upper  
178 100  
176 20.3 15.5 23.3  
179 16.6 12.6 19.0





#75  
Fluoranthene  
Concen: 5.756 ng  
RT: 19.321 min Scan# 2111  
Delta R.T. -0.012 min  
Lab File: BP019845.D  
Acq: 23 Feb 2024 16:06

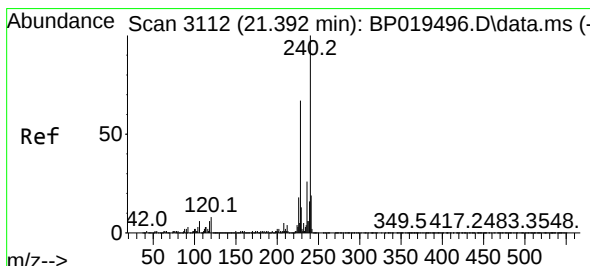
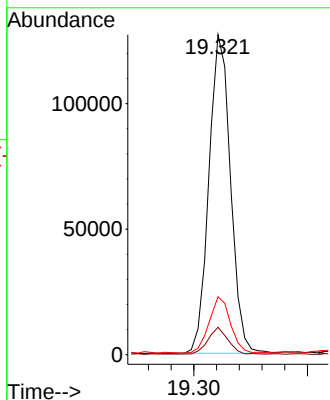
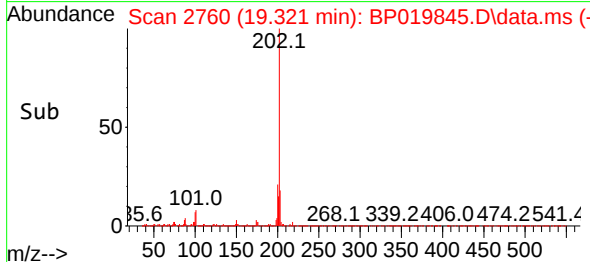
Instrument :  
BNA\_P  
ClientSampleId :  
11



Tgt Ion:202 Resp: 167899  
Ion Ratio Lower Upper  
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101 8.6 0.0 27.7  
203 18.1 0.0 37.5

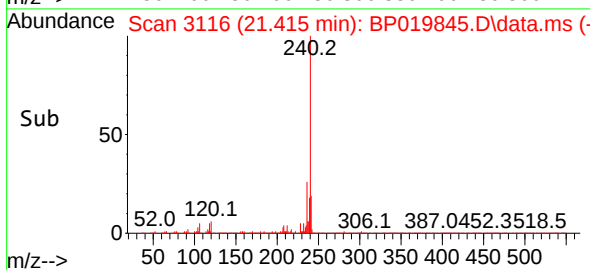
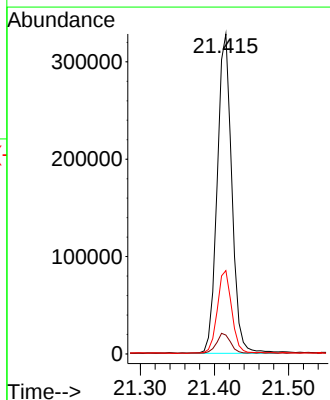
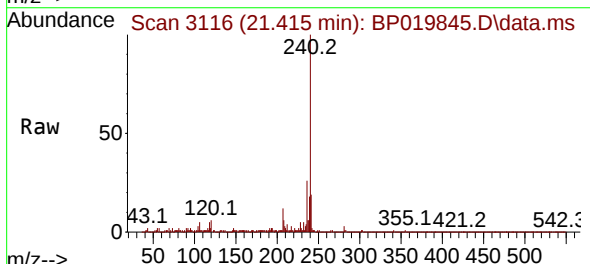
Manual Integrations  
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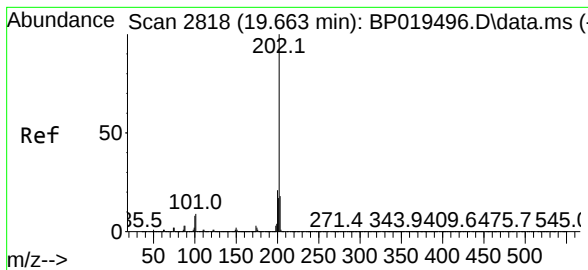
Reviewed By :Yogesh Patel 02/27/2024  
Supervised By :mohammad ahmed 02/27/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.415 min Scan# 3116  
Delta R.T. -0.012 min  
Lab File: BP019845.D  
Acq: 23 Feb 2024 16:06

Tgt Ion:240 Resp: 448164  
Ion Ratio Lower Upper  
240 100  
120 5.9 6.1 9.1#  
236 26.1 20.7 31.1





#78

Pyrene

Concen: 5.277 ng

RT: 19.674 min Scan# 2820

Delta R.T. -0.012 min

Lab File: BP019845.D

Acq: 23 Feb 2024 16:06

Instrument :

BNA\_P

ClientSampleId :

11

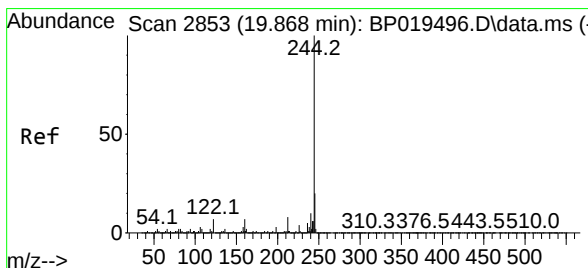
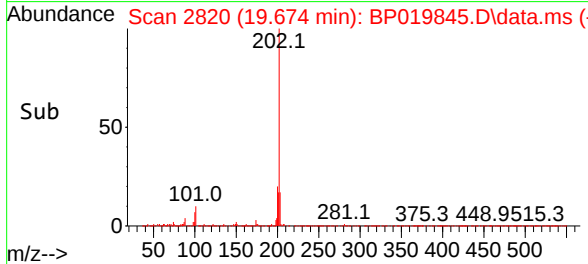
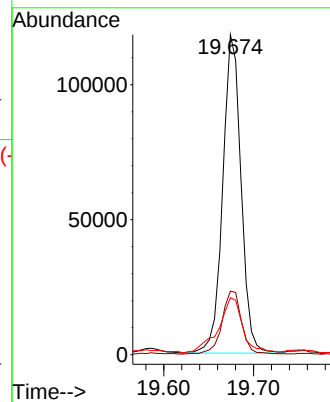
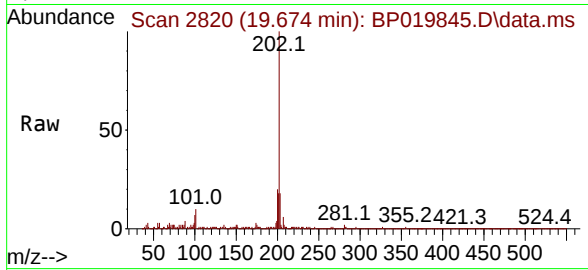
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|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 166898 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 19.8  | 16.9  | 25.3   |
| 203       | 17.8  | 14.2  | 21.2   |

Manual Integrations

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Reviewed By :Yogesh Patel 02/27/2024

Supervised By :mohammad ahmed 02/27/2024



#79

Terphenyl-d14

Concen: 65.527 ng

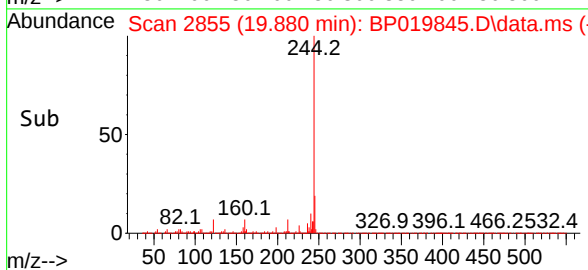
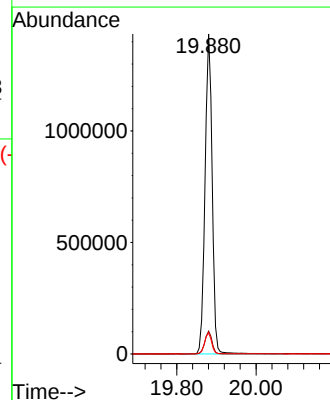
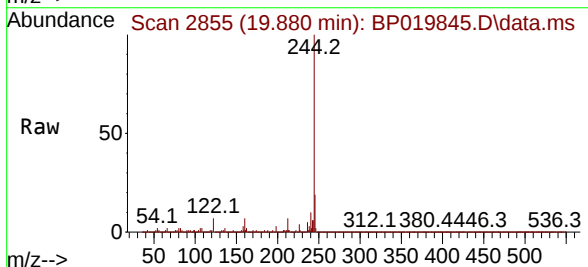
RT: 19.880 min Scan# 2855

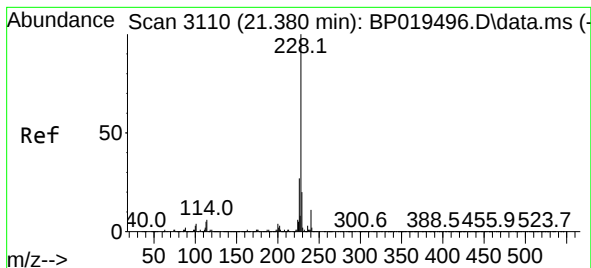
Delta R.T. -0.012 min

Lab File: BP019845.D

Acq: 23 Feb 2024 16:06

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 244   | Resp: | 1785715 |
| Ion Ratio | Lower | Upper |         |
| 244       | 100   |       |         |
| 212       | 7.2   | 6.1   | 9.1     |
| 122       | 6.6   | 5.9   | 8.9     |





#81

Benzo(a)anthracene

Concen: 3.053 ng

RT: 21.398 min Scan# 3111

Delta R.T. -0.012 min

Lab File: BP019845.D

Acq: 23 Feb 2024 16:06

Instrument :

BNA\_P

ClientSampleId :

11

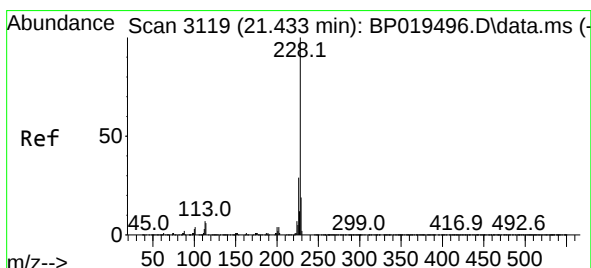
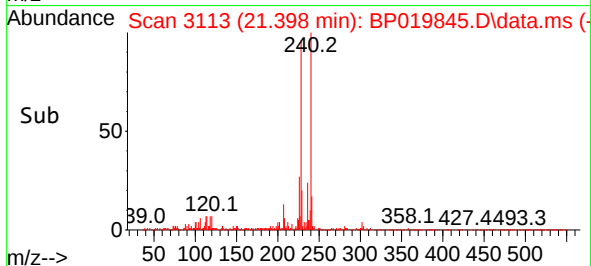
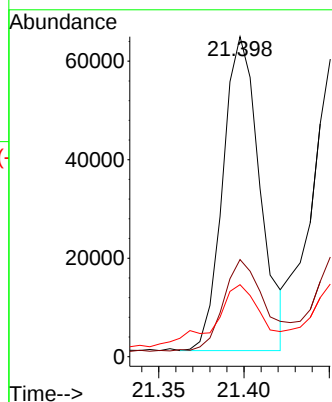
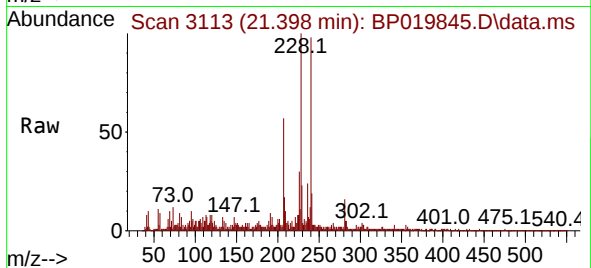
Tgt Ion:228 Resp: 96320  
 Ion Ratio Lower Upper  
 228 100  
 226 30.3 21.7 32.5  
 229 22.5 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/27/2024

Supervised By :mohammad ahmed 02/27/2024



#83

Chrysene

Concen: 3.213 ng m

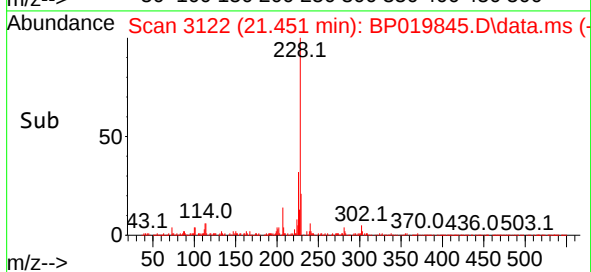
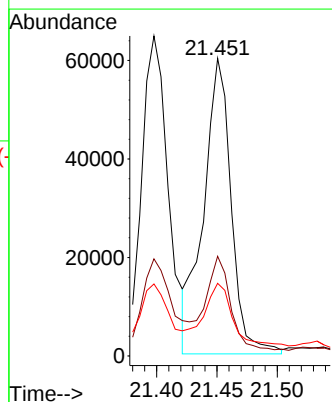
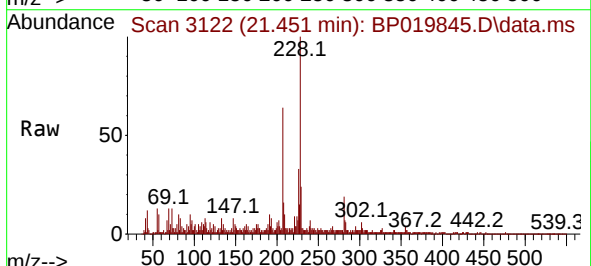
RT: 21.451 min Scan# 3122

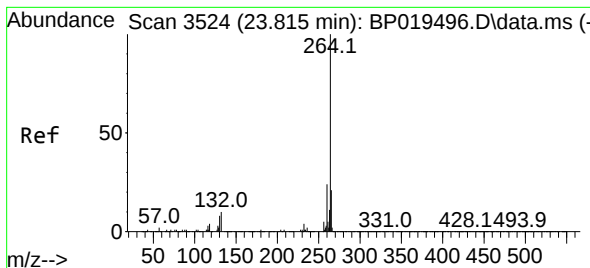
Delta R.T. -0.018 min

Lab File: BP019845.D

Acq: 23 Feb 2024 16:06

Tgt Ion:228 Resp: 96219  
 Ion Ratio Lower Upper  
 228 100  
 226 33.5 23.4 35.2  
 229 24.4 15.6 23.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.850 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP019845.D

Acq: 23 Feb 2024 16:06

Instrument :

BNA\_P

ClientSampleId :

11

Tgt Ion:264 Resp: 51730

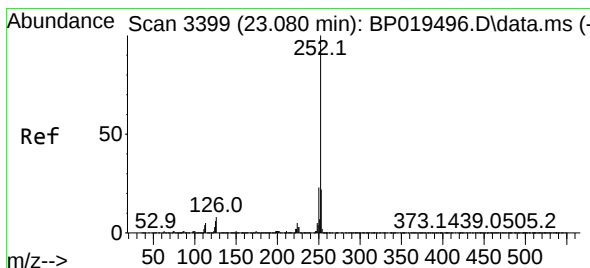
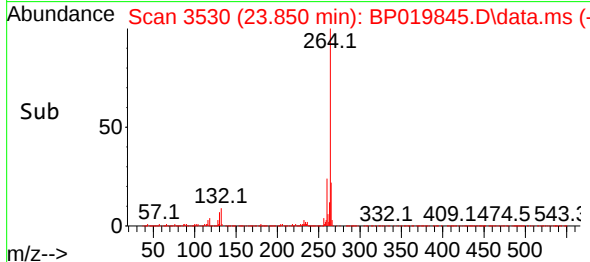
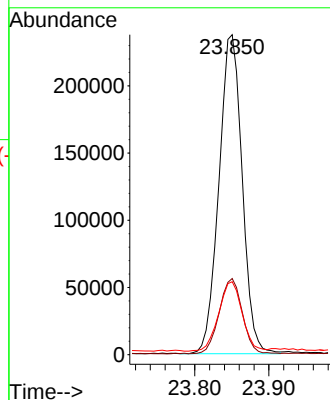
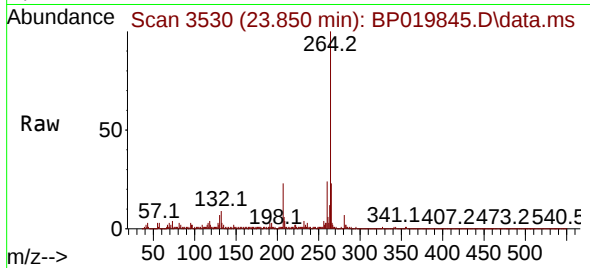
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 19.2  | 28.8  |
| 265 | 22.8  | 17.0  | 25.4  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/27/2024

Supervised By :mohammad ahmed 02/27/2024



#88

Benzo(b)fluoranthene

Concen: 3.738 ng

RT: 23.103 min Scan# 3403

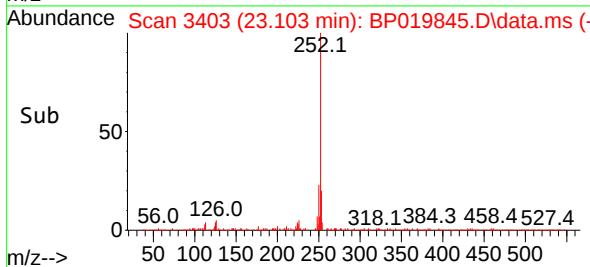
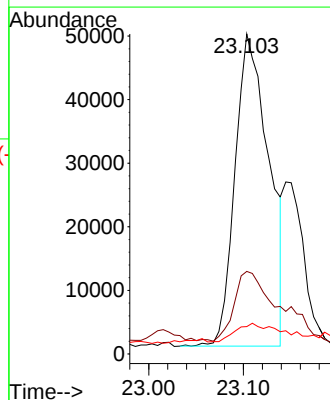
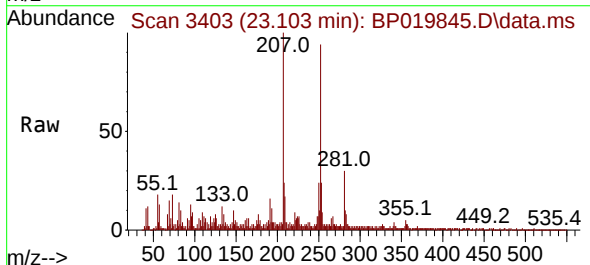
Delta R.T. -0.024 min

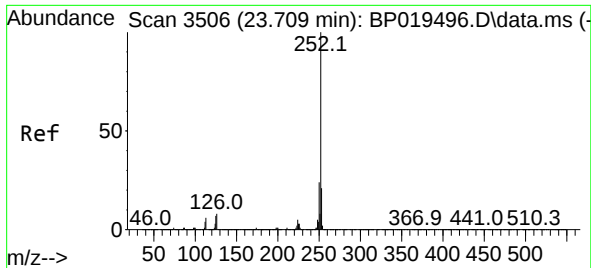
Lab File: BP019845.D

Acq: 23 Feb 2024 16:06

Tgt Ion:252 Resp: 121883

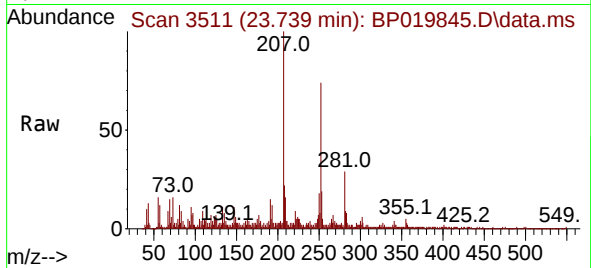
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 25.8  | 17.3  | 25.9  |
| 125 | 8.5   | 4.9   | 7.3   |





#90  
 Benzo(a)pyrene  
 Concen: 2.969 ng  
 RT: 23.739 min Scan# 3511  
 Delta R.T. -0.024 min  
 Lab File: BP019845.D  
 Acq: 23 Feb 2024 16:06

Instrument :  
 BNA\_P  
 ClientSampleId :  
 11



Tgt Ion: 252 Resp: 8614

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 25.7  | 17.1  | 25.7  |
| 125 | 9.1   | 5.6   | 8.4   |

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 02/27/2024  
 Supervised By :mohammad ahmed 02/27/2024

