

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062724\  
 Data File : BF138380.D  
 Acq On : 27 Jun 2024 22:08  
 Operator : CG\JU  
 Sample : P3077-10  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1-B-1

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/28/2024  
 Supervised By :Jagrut Upadhyay 06/28/2024

Quant Time: Jun 28 01:15:06 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061224.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 13 01:52:47 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.881  | 152  | 207635   | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.157  | 136  | 708597   | 20.000 | ng    | -0.02    |
| 39) Acenaphthene-d10        | 9.910  | 164  | 291094   | 20.000 | ng    | -0.02    |
| 64) Phenanthrene-d10        | 11.398 | 188  | 468744   | 20.000 | ng    | -0.02    |
| 76) Chrysene-d12            | 14.033 | 240  | 425758   | 20.000 | ng    | -0.02    |
| 86) Perylene-d12            | 15.504 | 264  | 328372   | 20.000 | ng    | -0.02    |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.510  | 112  | 888925   | 71.617 | ng    | 0.00     |
| 7) Phenol-d6                | 6.516  | 99   | 1039515  | 66.046 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.439  | 82   | 609649   | 50.087 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.698 | 330  | 208294   | 71.877 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 9.233  | 172  | 936843   | 51.177 | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.980 | 244  | 1071753  | 39.869 | ng    | -0.02    |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 11.421 | 178  | 103014   | 4.444  | ng    | 97       |
| 75) Fluoranthene            | 12.610 | 202  | 199833   | 8.454  | ng    | 98       |
| 78) Pyrene                  | 12.839 | 202  | 185003   | 5.038  | ng    | 98       |
| 80) Butylbenzylphthalate    | 13.457 | 149  | 583095   | 58.372 | ng    | 97       |
| 81) Benzo(a)anthracene      | 14.021 | 228  | 91933    | 3.366  | ng    | 98       |
| 83) Chrysene                | 14.057 | 228  | 81415    | 3.127  | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 15.074 | 252  | 82355m   | 4.253  | ng    |          |
| 90) Benzo(a)pyrene          | 15.439 | 252  | 53088    | 3.191  | ng    | # 92     |
| -----                       |        |      |          |        |       |          |

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

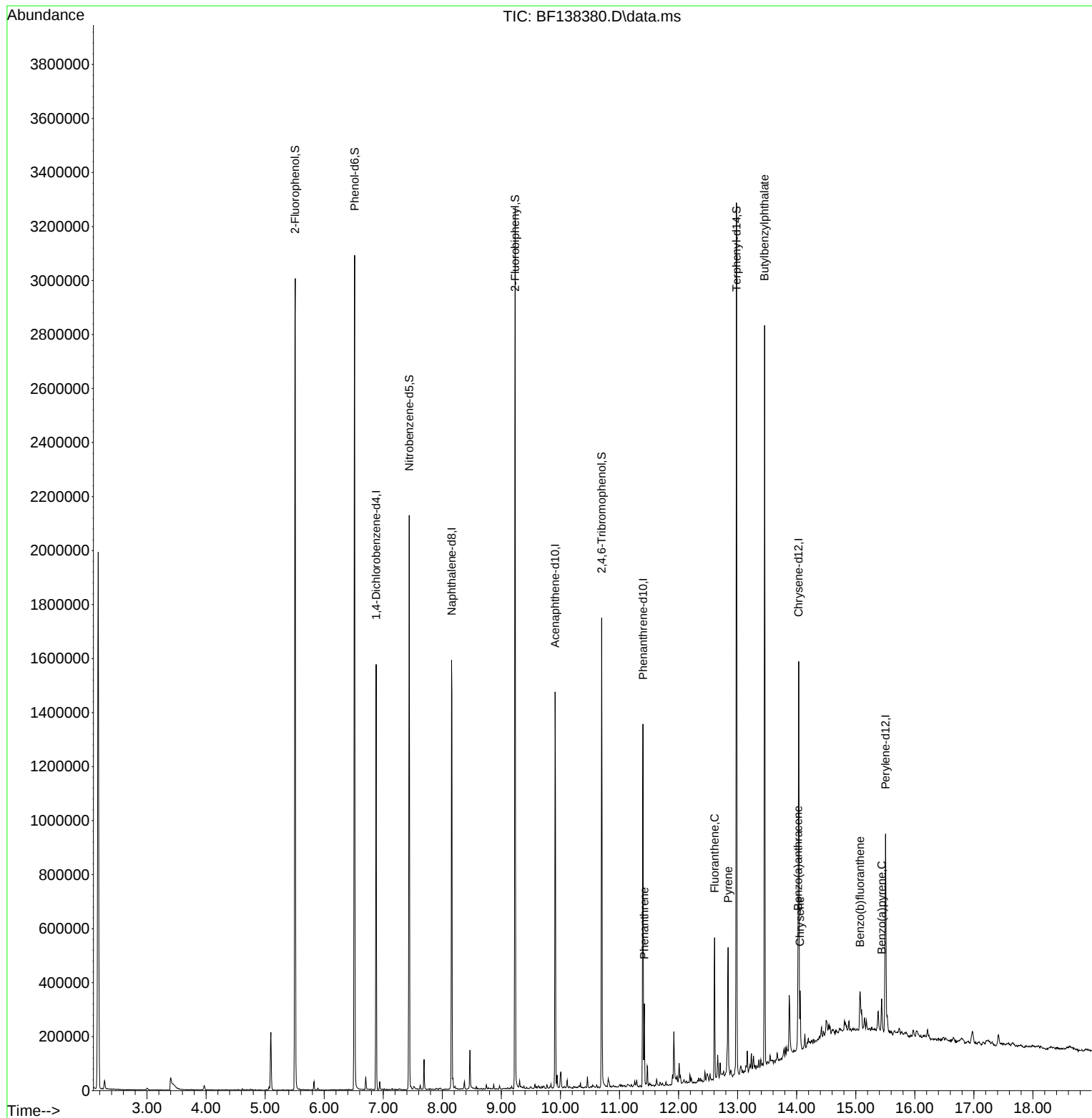
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062724\  
Data File : BF138380.D  
Acq On : 27 Jun 2024 22:08  
Operator : CG\JU  
Sample : P3077-10  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

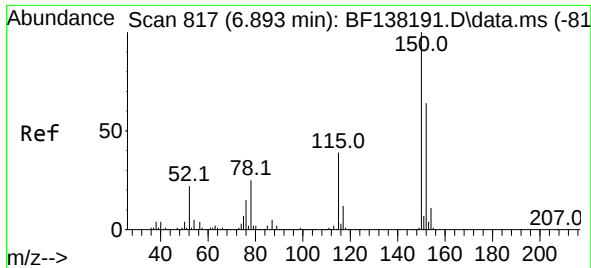
Instrument :  
BNA\_F  
ClientSampleId :  
1-B-1

Manual Integrations  
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Supervised By :Jagrut Upadhyay 06/28/2024

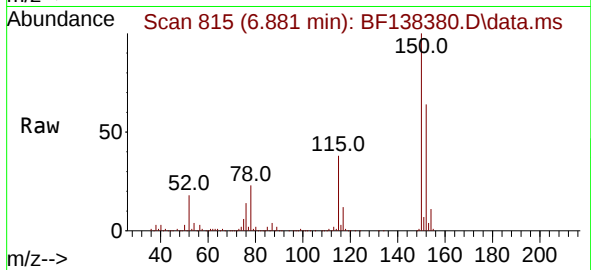
Quant Time: Jun 28 01:15:06 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 13 01:52:47 2024  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.881 min Scan# 815  
Delta R.T. -0.012 min  
Lab File: BF138380.D  
Acq: 27 Jun 2024 22:08

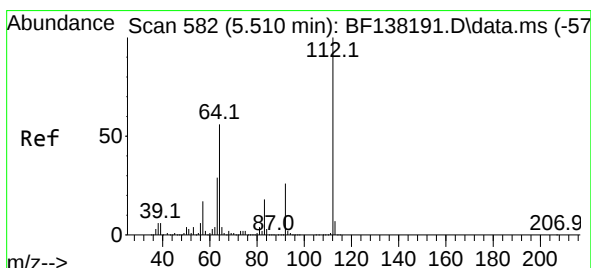
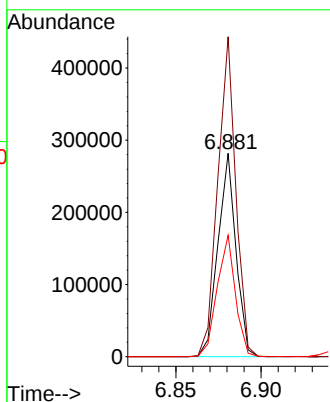
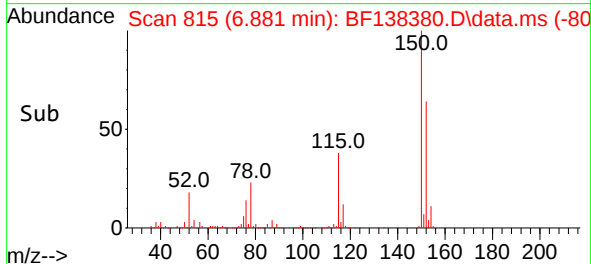
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BNA\_F  
ClientSampleId :  
1-B-1



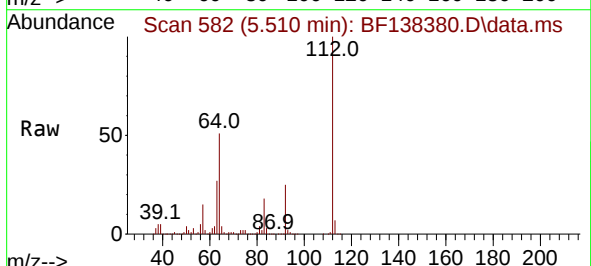
Tgt Ion:152 Resp: 207635  
Ion Ratio Lower Upper  
152 100  
150 157.4 125.0 187.4  
115 59.7 48.4 72.6

Manual Integrations  
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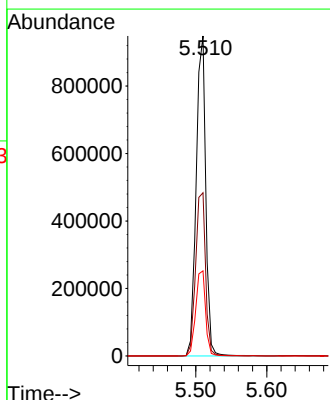
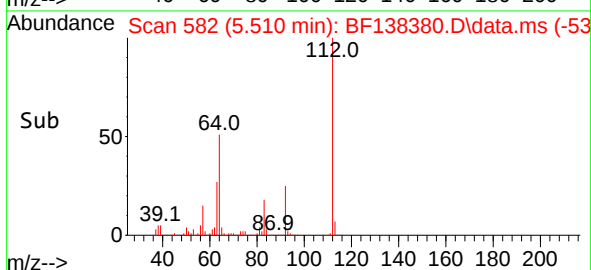
Reviewed By :Yogesh Patel 06/28/2024  
Supervised By :Jagrut Upadhyay 06/28/2024

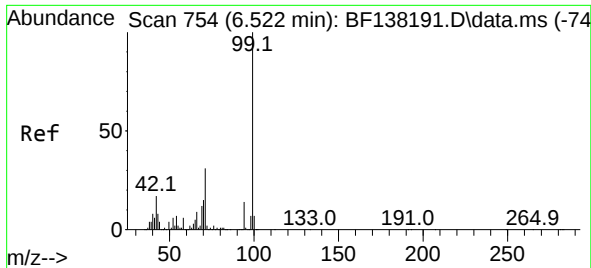


#5  
2-Fluorophenol  
Concen: 71.617 ng  
RT: 5.510 min Scan# 582  
Delta R.T. -0.000 min  
Lab File: BF138380.D  
Acq: 27 Jun 2024 22:08



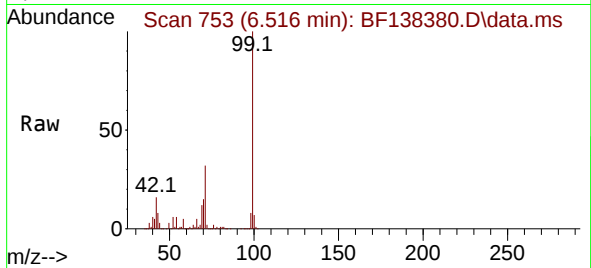
Tgt Ion:112 Resp: 888925  
Ion Ratio Lower Upper  
112 100  
64 51.0 45.2 67.8  
63 26.6 22.9 34.3





#7  
Phenol-d6  
Concen: 66.046 ng  
RT: 6.516 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF138380.D  
Acq: 27 Jun 2024 22:08

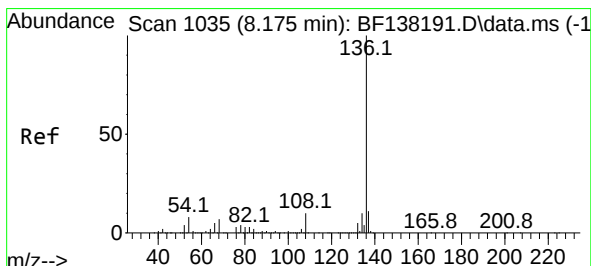
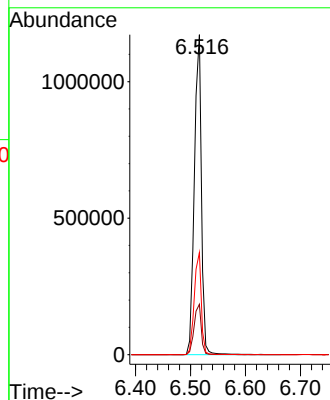
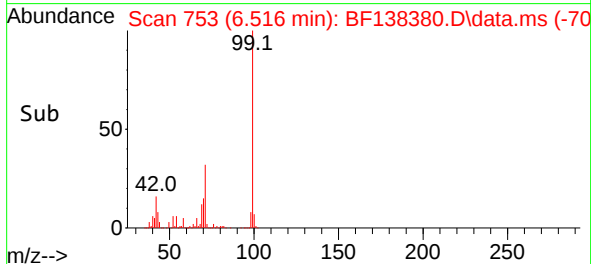
Instrument :  
BNA\_F  
ClientSampleId :  
1-B-1



Tgt Ion: 99 Resp: 1039515  
Ion Ratio Lower Upper  
99 100  
42 15.8 13.7 20.5  
71 31.9 25.0 37.6

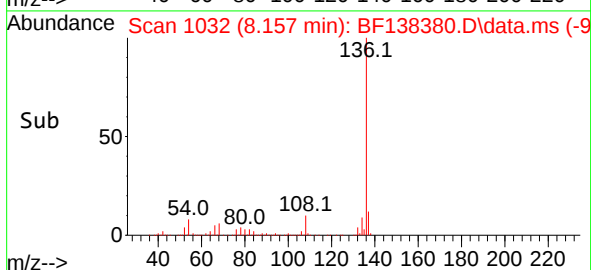
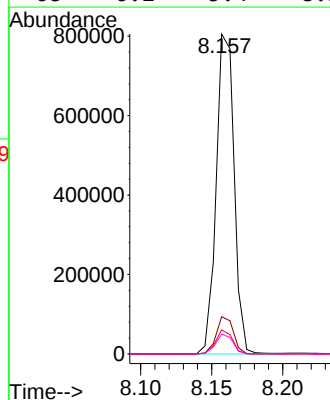
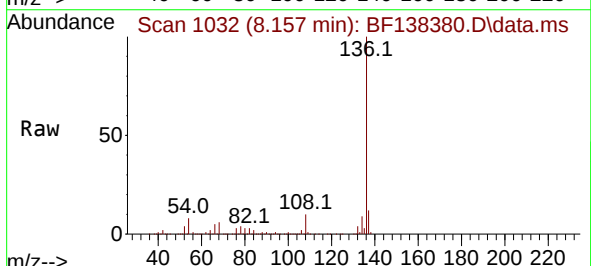
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Supervised By :Jagrut Upadhyay 06/28/2024



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 1032  
Delta R.T. -0.018 min  
Lab File: BF138380.D  
Acq: 27 Jun 2024 22:08

Tgt Ion:136 Resp: 708597  
Ion Ratio Lower Upper  
136 100  
137 11.6 9.1 13.7  
54 7.5 6.6 10.0  
68 6.2 5.4 8.2





#23

Nitrobenzene-d5

Concen: 50.087 ng

RT: 7.439 min Scan# 91

Delta R.T. -0.018 min

Lab File: BF138380.D

Acq: 27 Jun 2024 22:08

Instrument :

BNA\_F

ClientSampleId :

1-B-1

Tgt Ion: 82 Resp: 609649

Ion Ratio Lower Upper

82 100

128 47.9 37.2 55.8

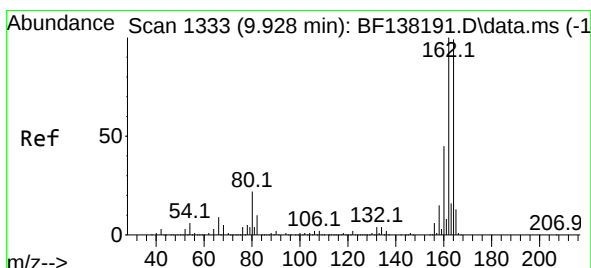
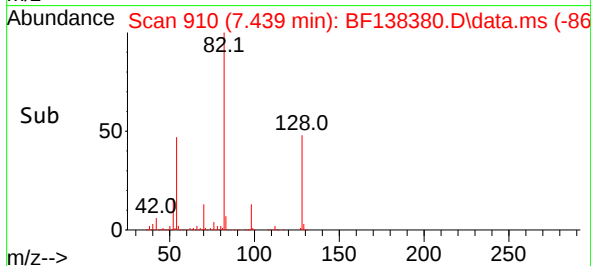
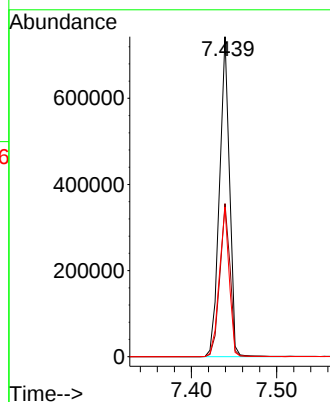
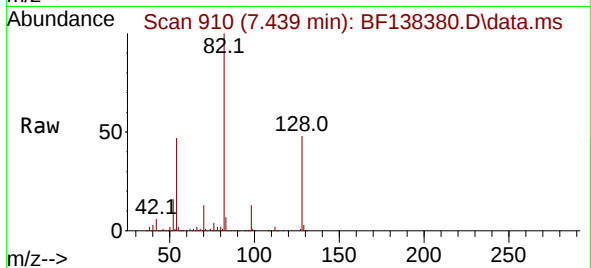
54 46.7 39.8 59.6

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Supervised By :Jagrut Upadhyay 06/28/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1330

Delta R.T. -0.018 min

Lab File: BF138380.D

Acq: 27 Jun 2024 22:08

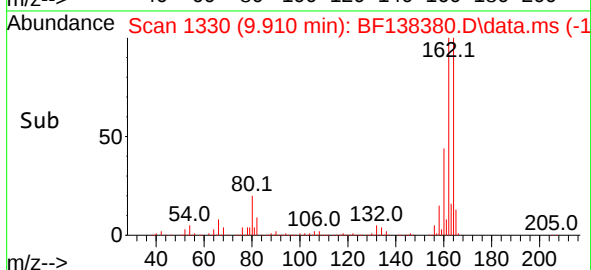
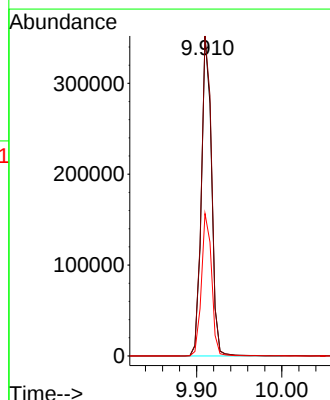
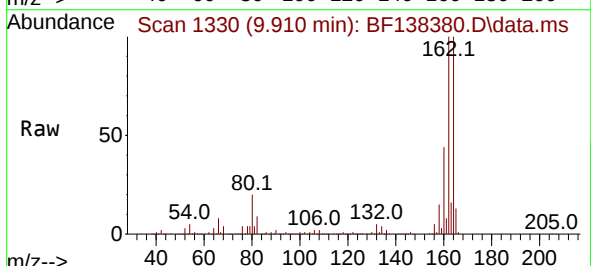
Tgt Ion:164 Resp: 291094

Ion Ratio Lower Upper

164 100

162 100.3 80.6 121.0

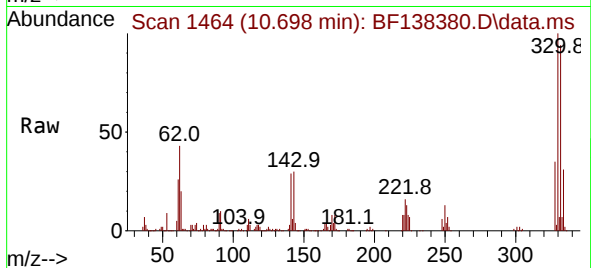
160 44.6 36.3 54.5





#42  
2,4,6-Tribromophenol  
Concen: 71.877 ng  
RT: 10.698 min Scan# 1464  
Delta R.T. -0.018 min  
Lab File: BF138380.D  
Acq: 27 Jun 2024 22:08

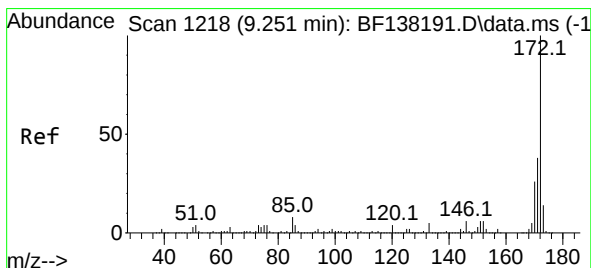
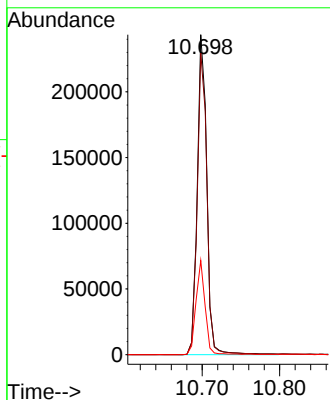
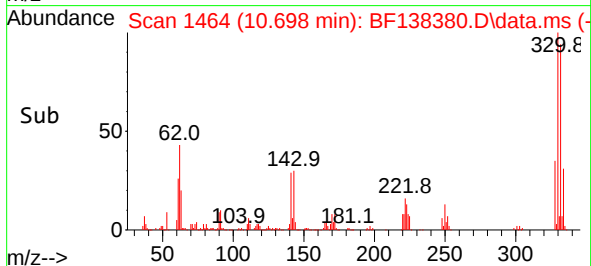
Instrument : BNA\_F  
ClientSampleId : 1-B-1



Tgt Ion: 330 Resp: 208294  
Ion Ratio Lower Upper  
330 100  
332 95.9 76.6 115.0  
141 28.2 23.9 35.9

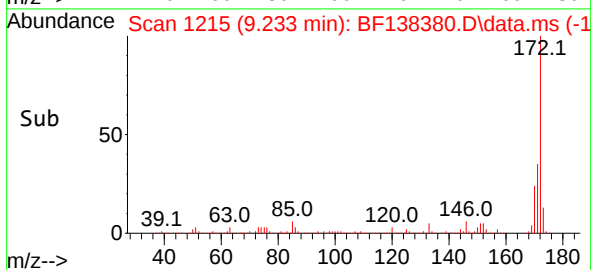
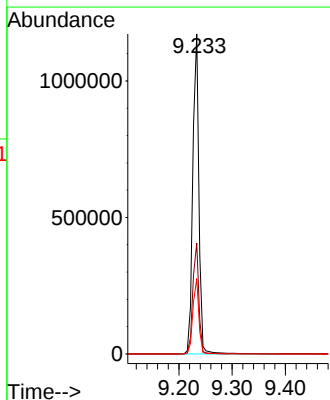
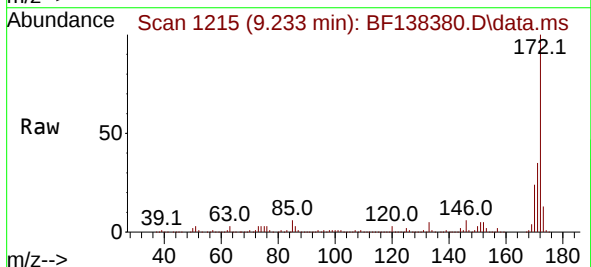
Manual Integrations  
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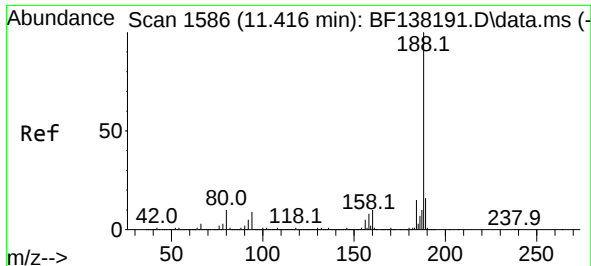
Reviewed By : Yogesh Patel 06/28/2024  
Supervised By : Jagrut Upadhyay 06/28/2024



#45  
2-Fluorobiphenyl  
Concen: 51.177 ng  
RT: 9.233 min Scan# 1215  
Delta R.T. -0.018 min  
Lab File: BF138380.D  
Acq: 27 Jun 2024 22:08

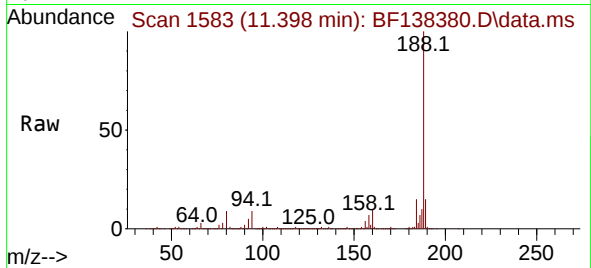
Tgt Ion: 172 Resp: 936843  
Ion Ratio Lower Upper  
172 100  
171 34.6 30.3 45.5  
170 23.5 20.6 30.8





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.398 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: BF138380.D  
Acq: 27 Jun 2024 22:08

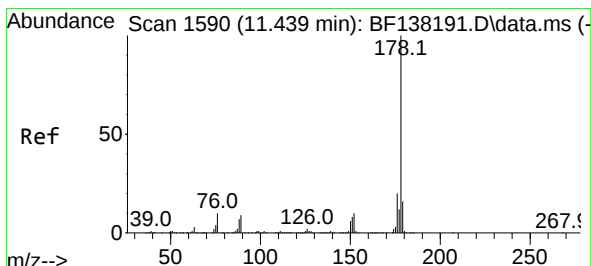
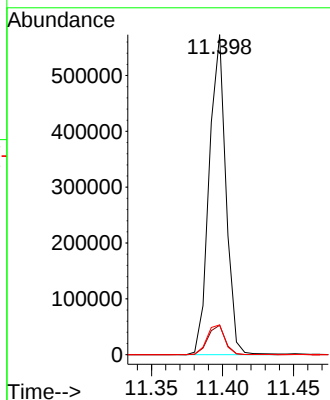
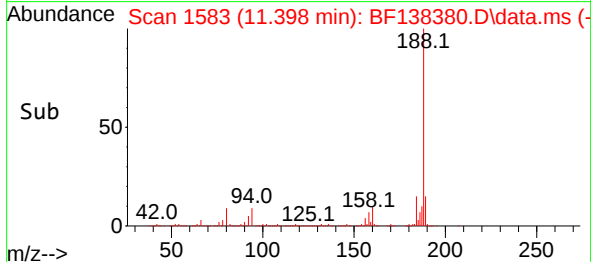
Instrument :  
BNA\_F  
ClientSampleId :  
1-B-1



Tgt Ion:188 Resp: 468744  
Ion Ratio Lower Upper  
188 100  
94 9.2 7.6 11.4  
80 9.3 8.1 12.1

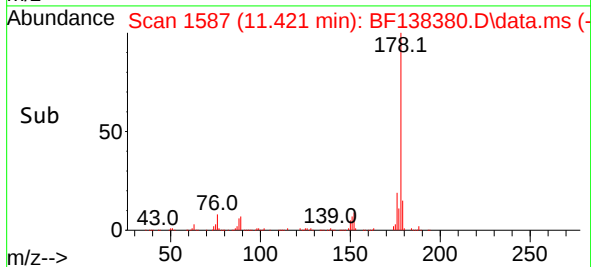
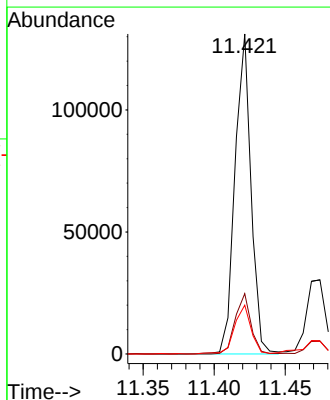
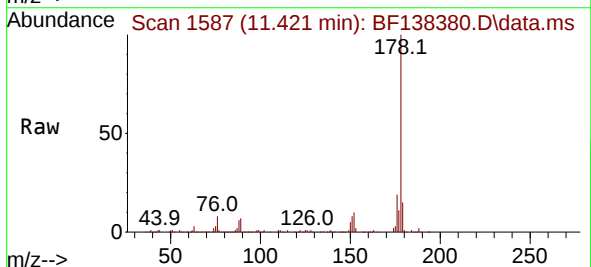
Manual Integrations  
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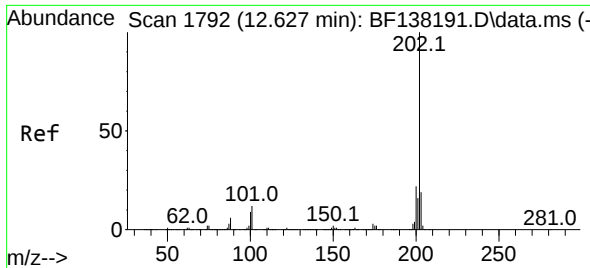
Reviewed By :Yogesh Patel 06/28/2024  
Supervised By :Jagrut Upadhyay 06/28/2024



#71  
Phenanthrene  
Concen: 4.444 ng  
RT: 11.421 min Scan# 1587  
Delta R.T. -0.018 min  
Lab File: BF138380.D  
Acq: 27 Jun 2024 22:08

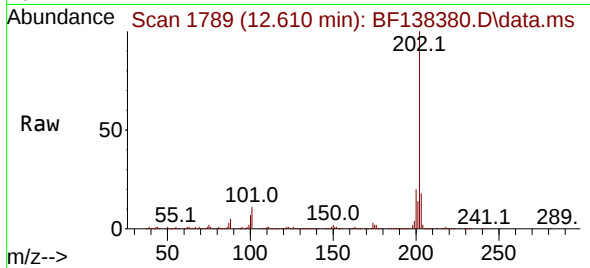
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Ion Ratio Lower Upper  
178 100  
176 18.9 16.4 24.6  
179 15.3 13.1 19.7





#75  
Fluoranthene  
Concen: 8.454 ng  
RT: 12.610 min Scan# 1789  
Delta R.T. -0.018 min  
Lab File: BF138380.D  
Acq: 27 Jun 2024 22:08

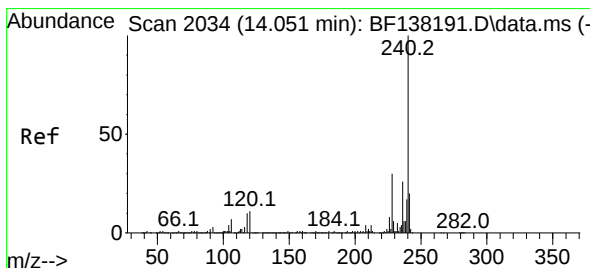
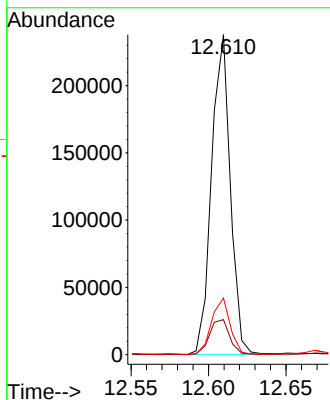
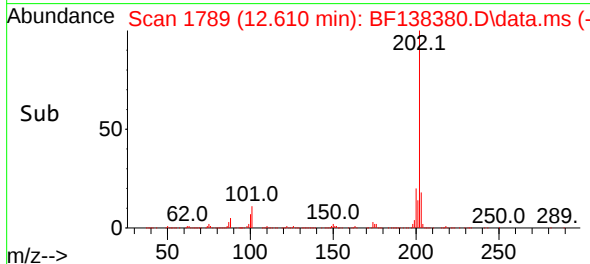
Instrument : BNA\_F  
ClientSampleId : 1-B-1



Tgt Ion:202 Resp: 19983  
Ion Ratio Lower Upper  
202 100  
101 11.0 0.0 31.8  
203 17.7 0.0 38.6

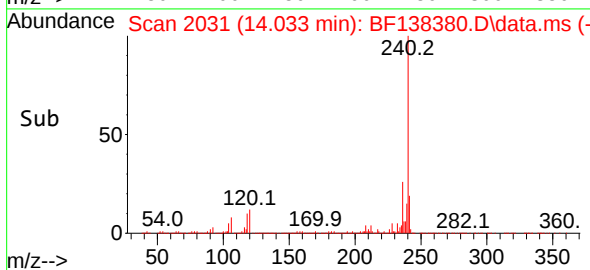
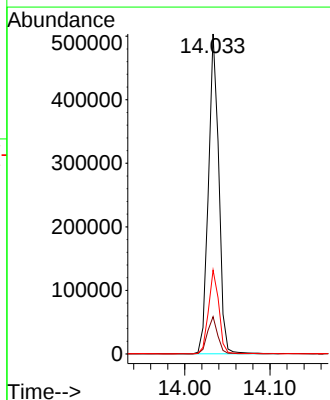
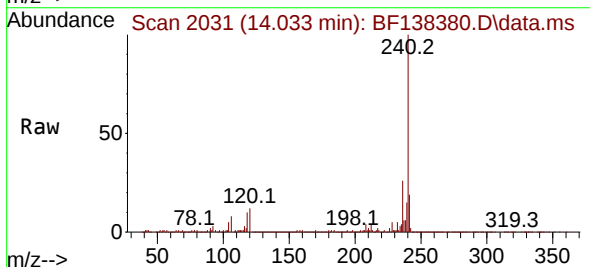
Manual Integrations  
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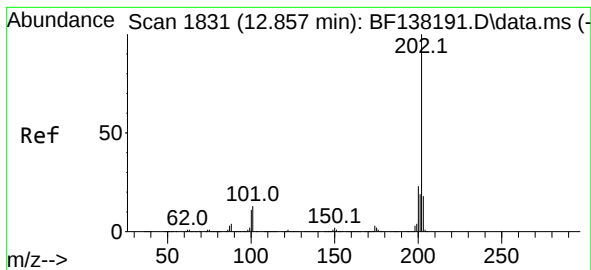
Reviewed By :Yogesh Patel 06/28/2024  
Supervised By :Jagrut Upadhyay 06/28/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.033 min Scan# 2031  
Delta R.T. -0.018 min  
Lab File: BF138380.D  
Acq: 27 Jun 2024 22:08

Tgt Ion:240 Resp: 425758  
Ion Ratio Lower Upper  
240 100  
120 11.7 9.2 13.8  
236 26.2 21.0 31.6





#78

Pyrene

Concen: 5.038 ng

RT: 12.839 min Scan# 1828

Delta R.T. -0.018 min

Lab File: BF138380.D

Acq: 27 Jun 2024 22:08

Instrument :

BNA\_F

ClientSampleId :

1-B-1

Tgt Ion:202 Resp: 185000

Ion Ratio Lower Upper

202 100

200 21.7 18.0 27.0

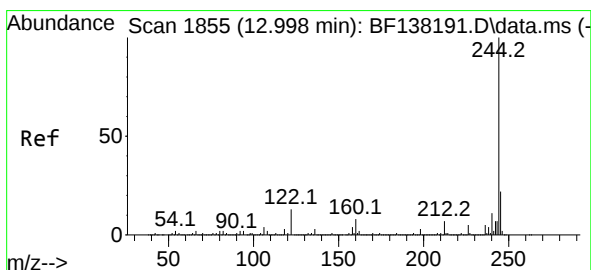
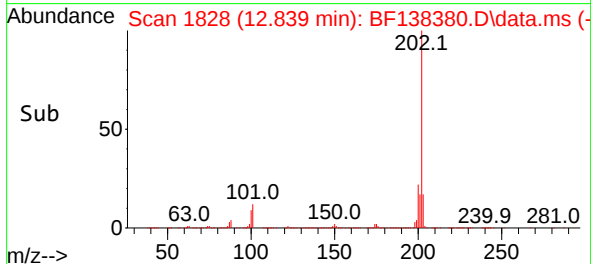
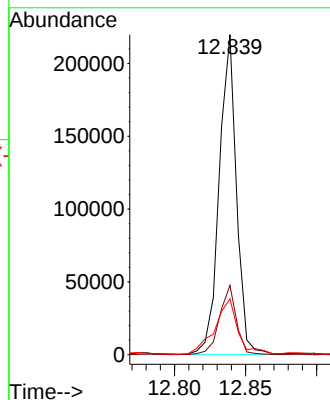
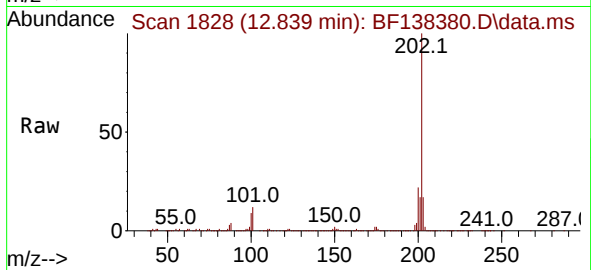
203 17.4 14.7 22.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2024

Supervised By :Jagrut Upadhyay 06/28/2024



#79

Terphenyl-d14

Concen: 39.869 ng

RT: 12.980 min Scan# 1852

Delta R.T. -0.018 min

Lab File: BF138380.D

Acq: 27 Jun 2024 22:08

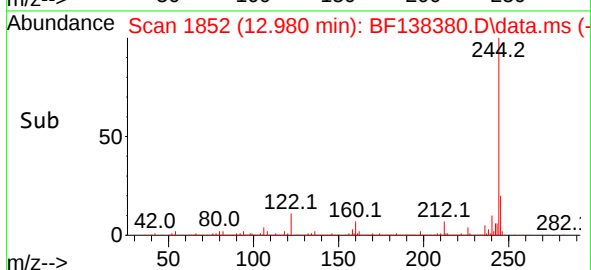
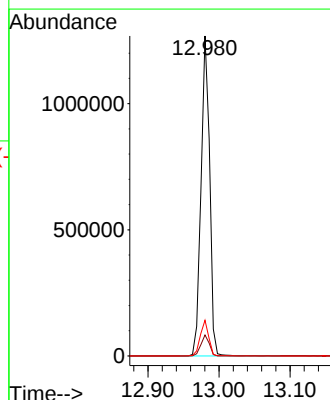
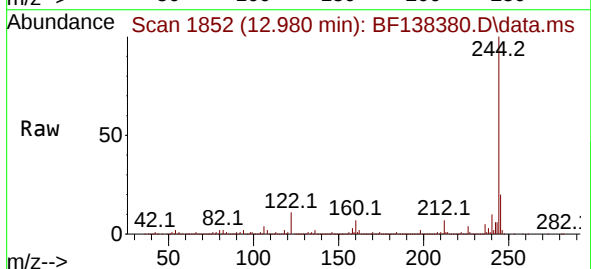
Tgt Ion:244 Resp: 1071753

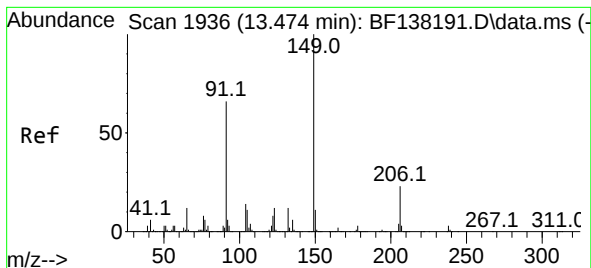
Ion Ratio Lower Upper

244 100

212 6.6 5.9 8.9

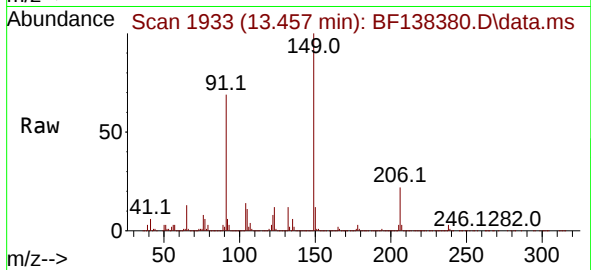
122 11.1 10.6 15.8





#80  
Butylbenzylphthalate  
Concen: 58.372 ng  
RT: 13.457 min Scan# 1933  
Delta R.T. -0.018 min  
Lab File: BF138380.D  
Acq: 27 Jun 2024 22:08

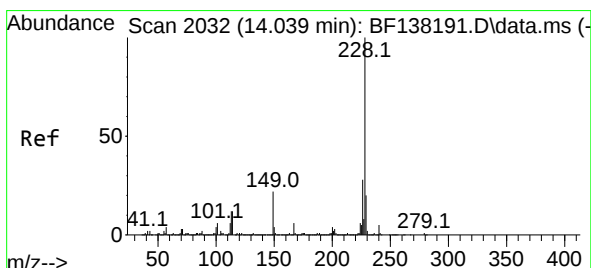
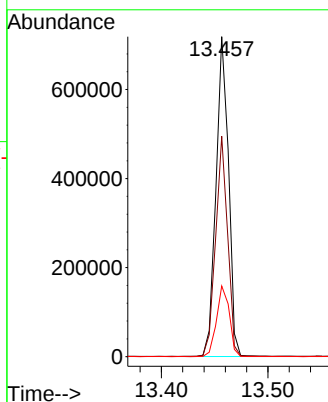
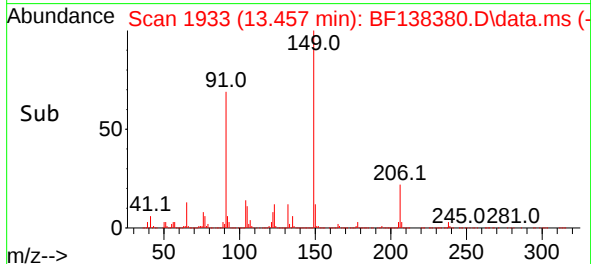
Instrument :  
BNA\_F  
ClientSampleId :  
1-B-1



Tgt Ion:149 Resp: 58309  
Ion Ratio Lower Upper  
149 100  
91 68.9 53.2 79.8  
206 22.1 18.6 27.8

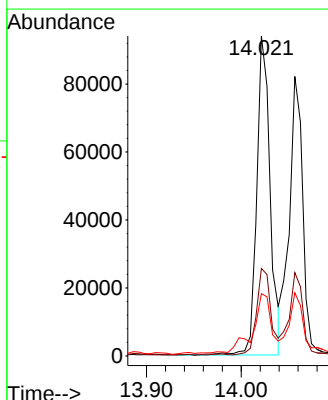
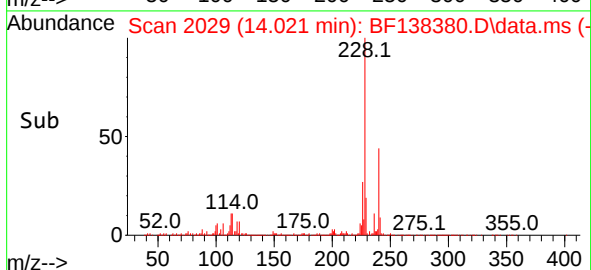
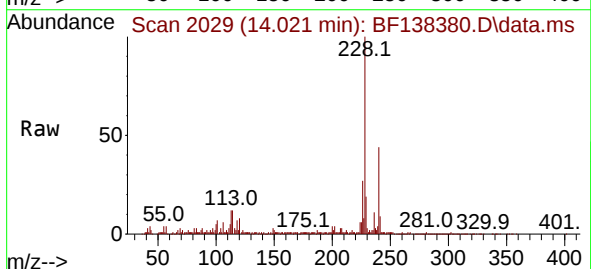
Manual Integrations  
APPROVED

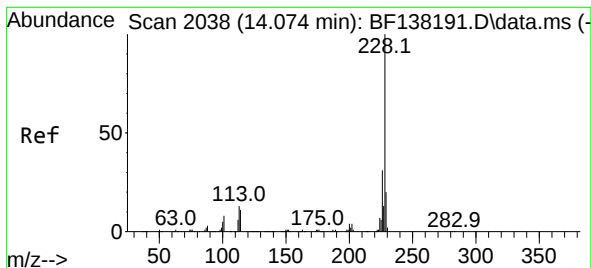
Reviewed By :Yogesh Patel 06/28/2024  
Supervised By :Jagrut Upadhyay 06/28/2024



#81  
Benzo(a)anthracene  
Concen: 3.366 ng  
RT: 14.021 min Scan# 2029  
Delta R.T. -0.018 min  
Lab File: BF138380.D  
Acq: 27 Jun 2024 22:08

Tgt Ion:228 Resp: 91933  
Ion Ratio Lower Upper  
228 100  
226 27.3 22.5 33.7  
229 19.4 16.3 24.5





#83

Chrysene

Concen: 3.127 ng

RT: 14.057 min Scan# 2038

Delta R.T. -0.018 min

Lab File: BF138380.D

Acq: 27 Jun 2024 22:08

Instrument :

BNA\_F

ClientSampleId :

1-B-1

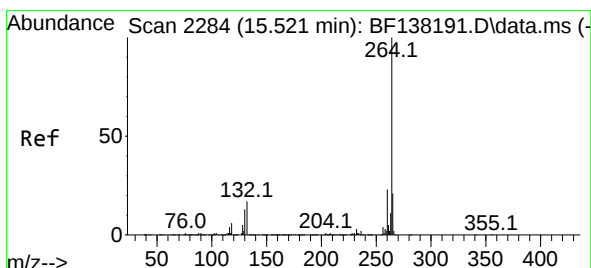
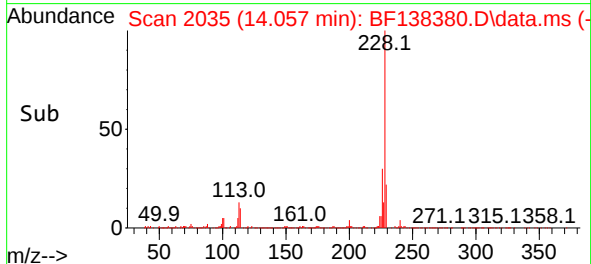
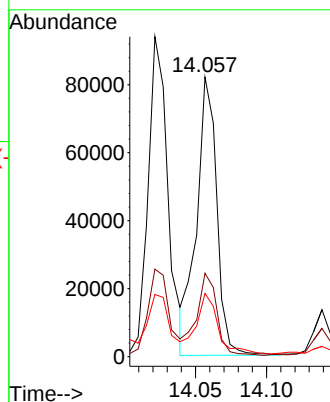
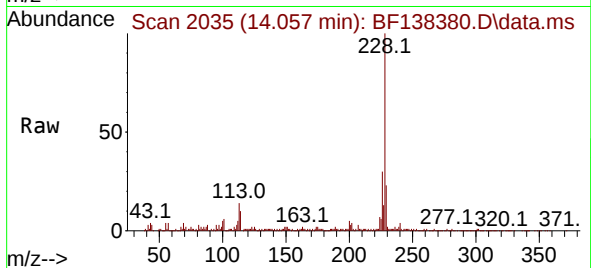
|             |             |
|-------------|-------------|
| Tgt Ion:228 | Resp: 8141  |
| Ion Ratio   | Lower Upper |
| 228 100     |             |
| 226 29.8    | 24.5 36.7   |
| 229 22.6    | 16.3 24.5   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2024

Supervised By :Jagrut Upadhyay 06/28/2024



#86

Perylene-d12

Concen: 20.000 ng

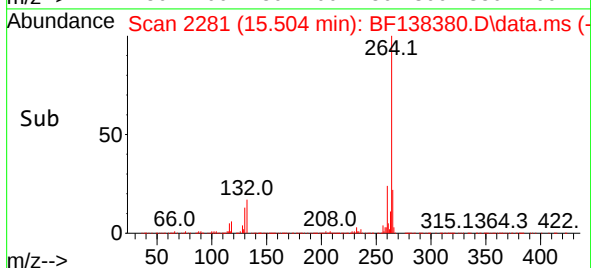
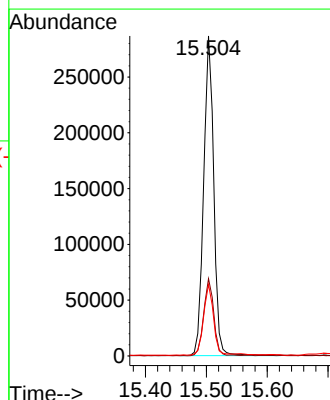
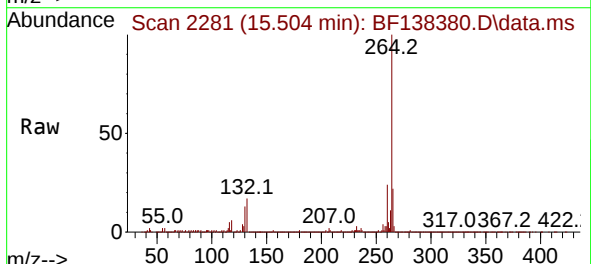
RT: 15.504 min Scan# 2281

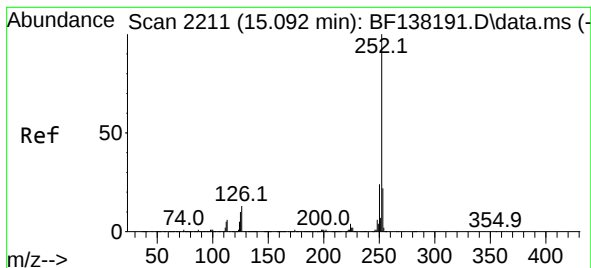
Delta R.T. -0.018 min

Lab File: BF138380.D

Acq: 27 Jun 2024 22:08

|             |              |
|-------------|--------------|
| Tgt Ion:264 | Resp: 328372 |
| Ion Ratio   | Lower Upper  |
| 264 100     |              |
| 260 24.2    | 18.7 28.1    |
| 265 22.3    | 17.0 25.6    |





#88

Benzo(b)fluoranthene

Concen: 4.253 ng m

RT: 15.074 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF138380.D

Acq: 27 Jun 2024 22:08

Instrument :

BNA\_F

ClientSampleId :

1-B-1

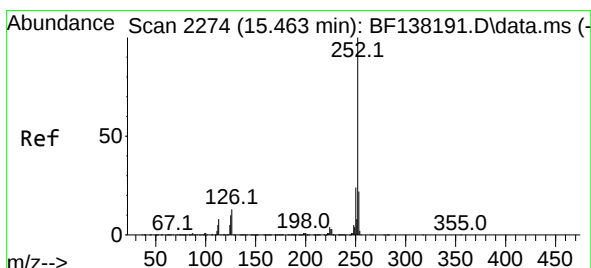
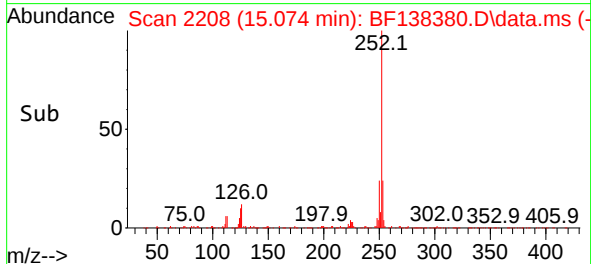
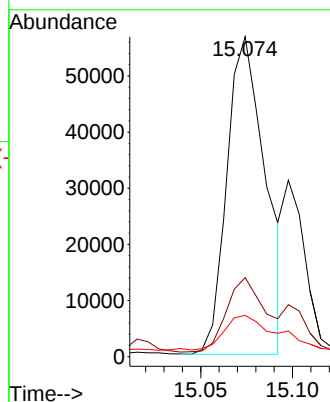
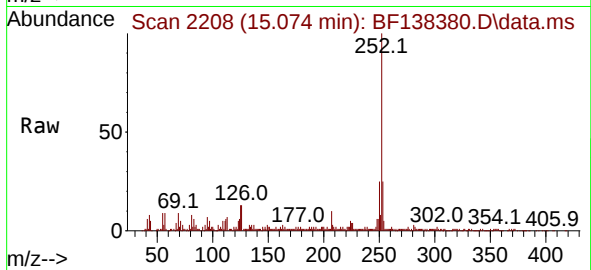
Tgt Ion:252 Resp: 8235  
 Ion Ratio Lower Upper  
 252 100  
 253 24.7 17.7 26.5  
 125 12.9 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2024

Supervised By :Jagrut Upadhyay 06/28/2024



#90

Benzo(a)pyrene

Concen: 3.191 ng

RT: 15.439 min Scan# 2270

Delta R.T. -0.024 min

Lab File: BF138380.D

Acq: 27 Jun 2024 22:08

Tgt Ion:252 Resp: 53088  
 Ion Ratio Lower Upper  
 252 100  
 253 25.0 17.7 26.5  
 125 14.4 8.2 12.2

