

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080322\  
 Data File : BM036089.D  
 Acq On : 03 Aug 2022 21:57  
 Operator : CG/JU  
 Sample : N3930-17  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 RVE-109

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 08/04/2022  
 Supervised By :Jagrut Upadhyay 08/05/2022

Quant Time: Aug 04 01:32:20 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM080122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 01 17:50:14 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.863  | 152  | 191920   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.669 | 136  | 914042   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.504 | 164  | 607612   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.245 | 188  | 1346224  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.421 | 240  | 1500391  | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.786 | 264  | 1570317  | 20.00  | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.428  | 112  | 1452085  | 122.67 | ng    | 0.00     |
| 7) Phenol-d6                | 7.034  | 99   | 1980230  | 131.47 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.034  | 82   | 1144044  | 70.06  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.992 | 330  | 948286   | 133.04 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.133 | 172  | 2866463  | 69.65  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.868 | 244  | 5336721  | 70.16  | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 32) Benzoic acid            | 9.910  | 122  | 18946m   | 2.13   | ng    |          |
| 71) Phenanthrene            | 17.286 | 178  | 263287   | 3.84   | ng    | 99       |
| 75) Fluoranthene            | 19.298 | 202  | 1014826  | 13.22  | ng    | 97       |
| 78) Pyrene                  | 19.662 | 202  | 794188   | 8.54   | ng    | 100      |
| 83) Chrysene                | 21.456 | 228  | 494834   | 5.63   | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 23.068 | 252  | 551921   | 6.00   | ng    | # 95     |
| 90) Benzo(a)pyrene          | 23.680 | 252  | 209701   | 2.72   | ng    | # 93     |
| -----                       |        |      |          |        |       |          |

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

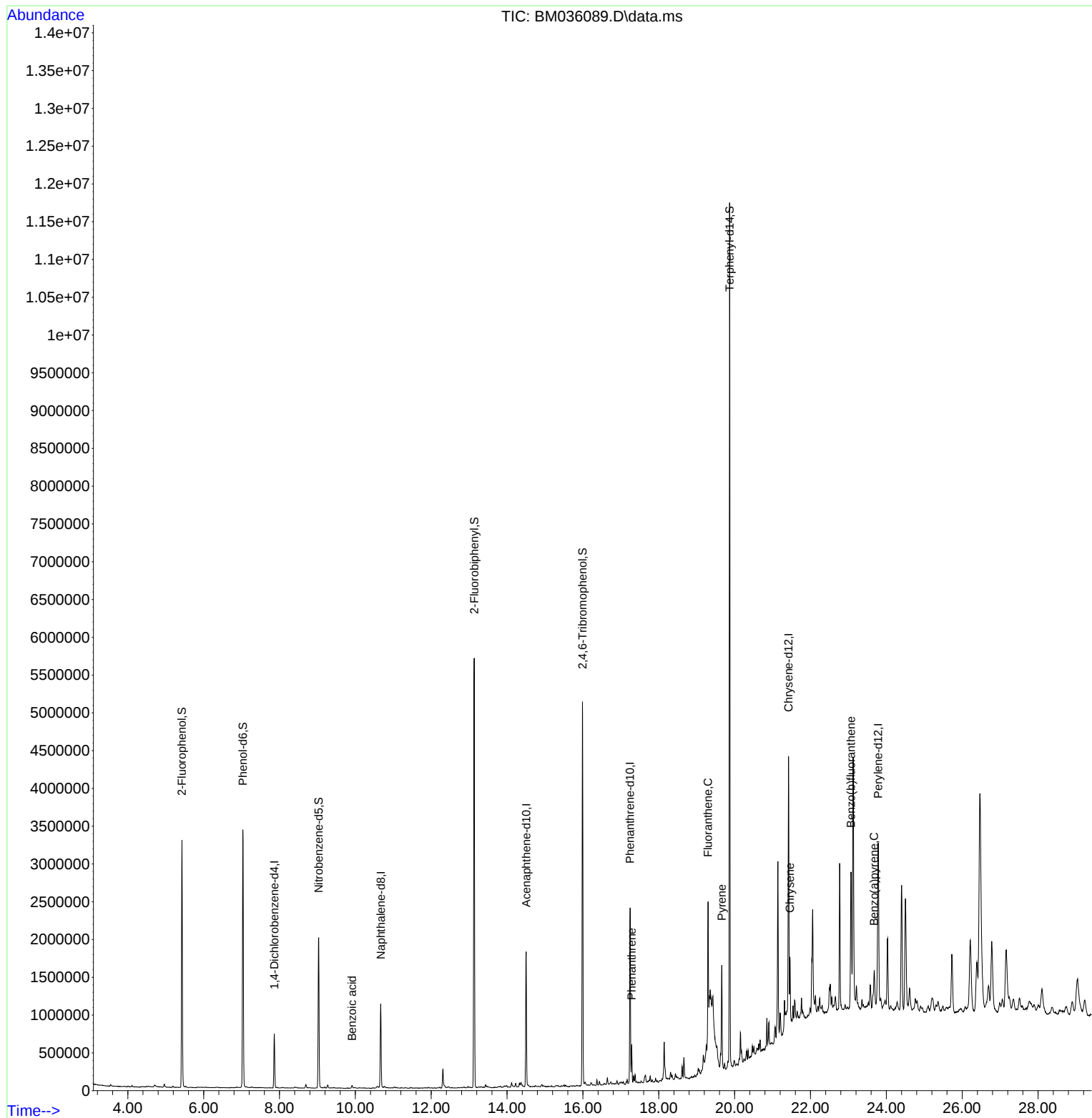
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080322\  
Data File : BM036089.D  
Acq On : 03 Aug 2022 21:57  
Operator : CG/JU  
Sample : N3930-17  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

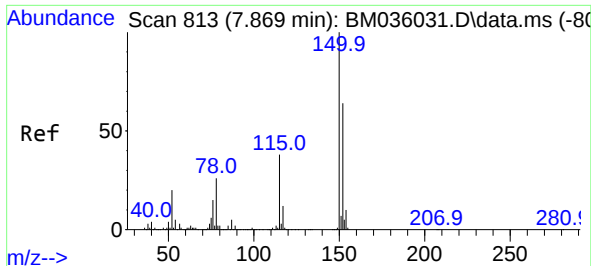
Instrument :  
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ClientSampleId :  
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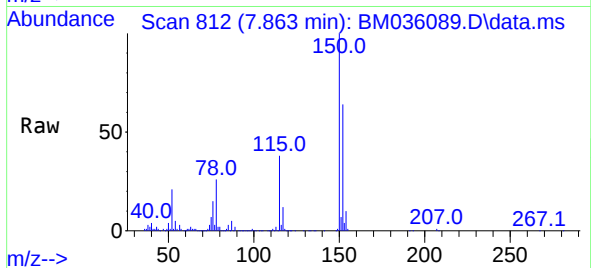
Quant Time: Aug 04 01:32:20 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM080122.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 01 17:50:14 2022  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.863 min Scan# 813  
Delta R.T. -0.006 min  
Lab File: BM036089.D  
Acq: 03 Aug 2022 21:57

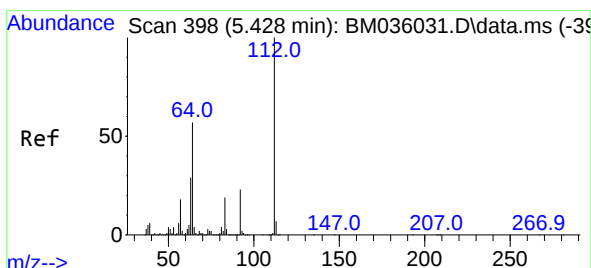
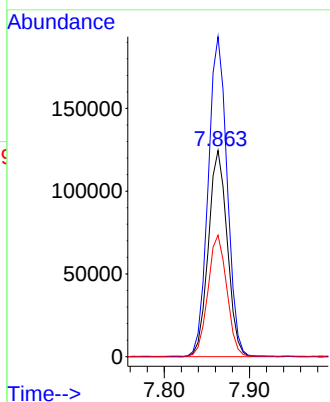
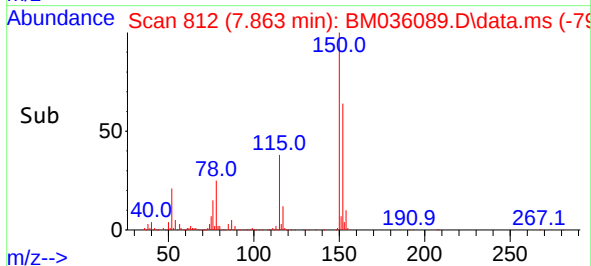
Instrument :  
BNA\_M  
ClientSampleId :  
RVE-109



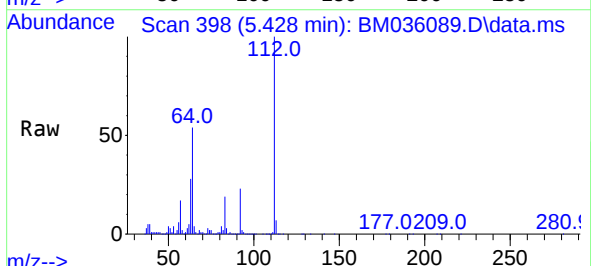
Tgt Ion:152 Resp: 191920  
Ion Ratio Lower Upper  
152 100  
150 155.2 124.9 187.3  
115 58.9 47.9 71.9

Manual Integrations  
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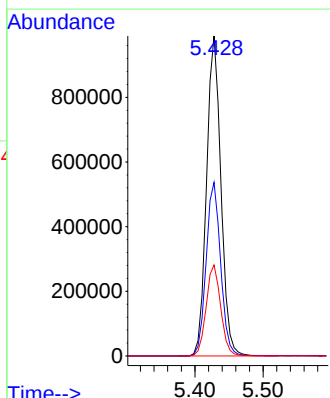
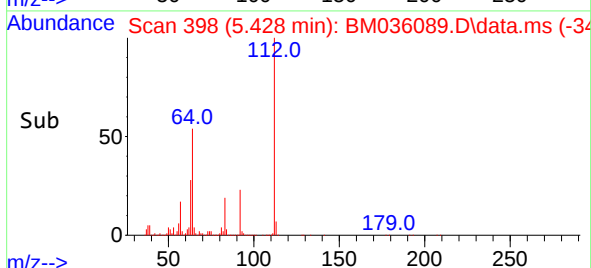
Reviewed By :Christian Giraldo 08/04/2022  
Supervised By :Jagrut Upadhyay 08/05/2022

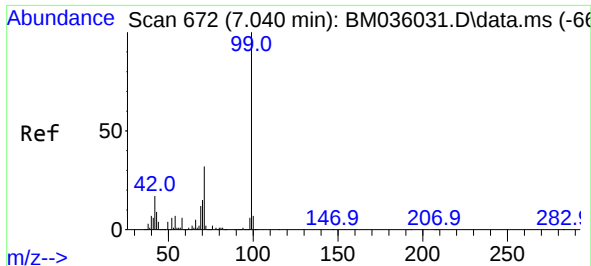


#5  
2-Fluorophenol  
Concen: 122.67 ng  
RT: 5.428 min Scan# 398  
Delta R.T. -0.000 min  
Lab File: BM036089.D  
Acq: 03 Aug 2022 21:57



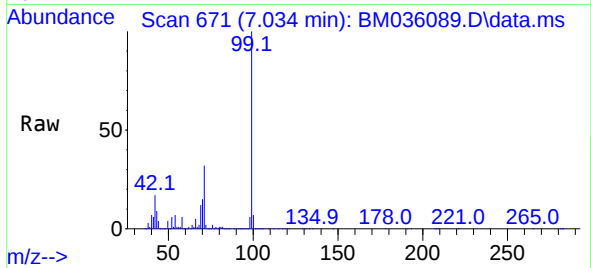
Tgt Ion:112 Resp: 1452085  
Ion Ratio Lower Upper  
112 100  
64 54.3 47.8 71.6  
63 28.4 26.6 40.0





#7  
Phenol-d6  
Concen: 131.47 ng  
RT: 7.034 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BM036089.D  
Acq: 03 Aug 2022 21:57

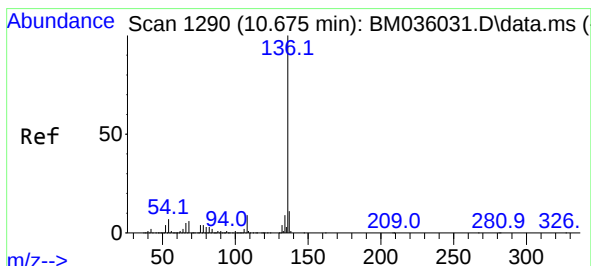
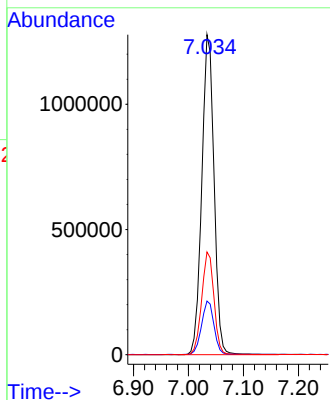
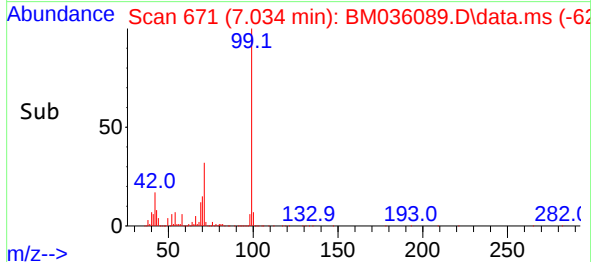
Instrument :  
BNA\_M  
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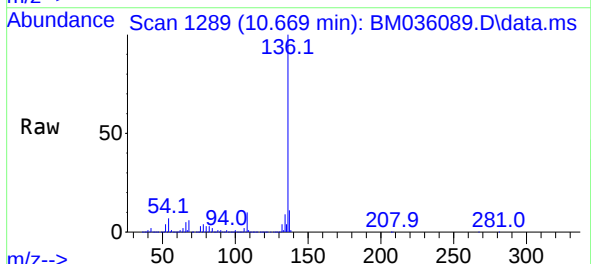
Tgt Ion: 99 Resp: 1980230  
Ion Ratio Lower Upper  
99 100  
42 16.8 18.8 28.2  
71 32.1 30.2 45.2

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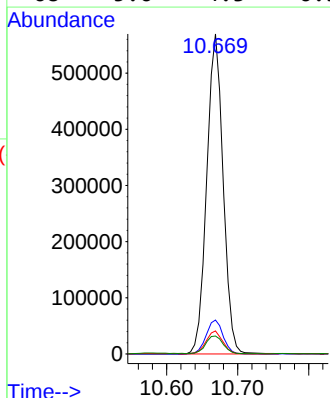
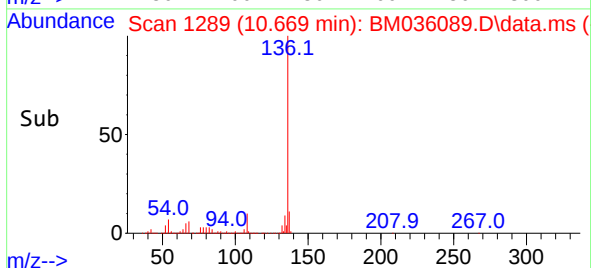
Reviewed By :Christian Giraldo 08/04/2022  
Supervised By :Jagrut Upadhyay 08/05/2022

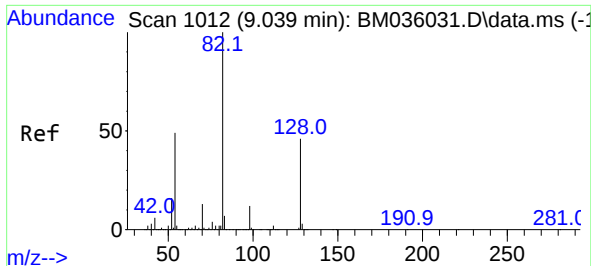


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.669 min Scan# 1289  
Delta R.T. -0.006 min  
Lab File: BM036089.D  
Acq: 03 Aug 2022 21:57



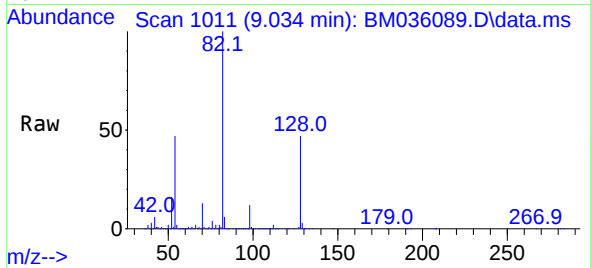
Tgt Ion:136 Resp: 914042  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.9 13.3  
54 7.2 7.0 10.4  
68 5.6 4.3 6.5





#23  
Nitrobenzene-d5  
Concen: 70.06 ng  
RT: 9.034 min Scan# 110  
Delta R.T. -0.006 min  
Lab File: BM036089.D  
Acq: 03 Aug 2022 21:57

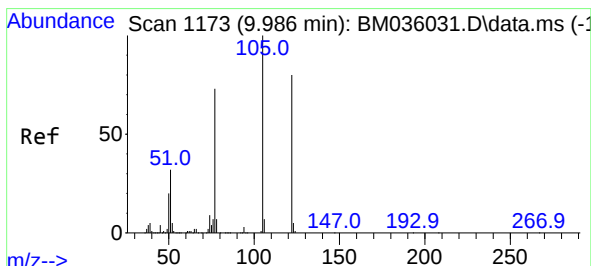
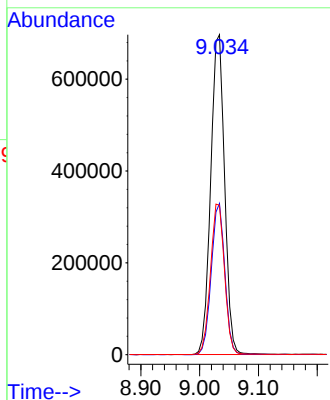
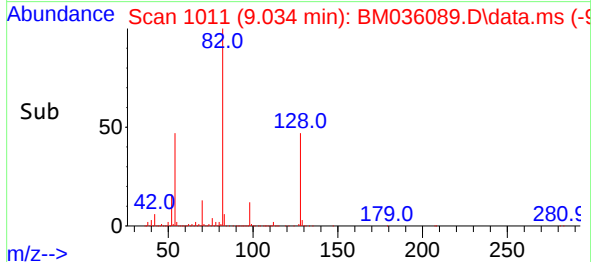
Instrument :  
BNA\_M  
ClientSampleId :  
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Tgt Ion: 82 Resp: 114404  
Ion Ratio Lower Upper  
82 100  
128 47.3 33.7 50.5  
54 46.7 43.2 64.8

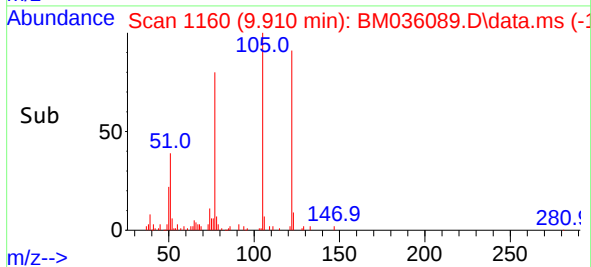
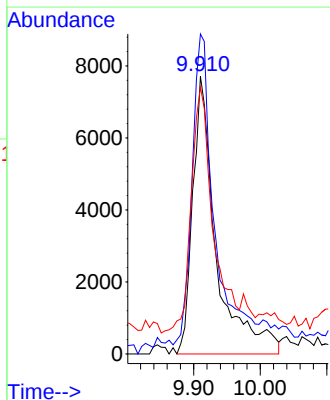
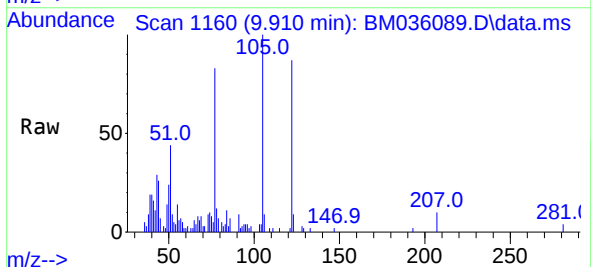
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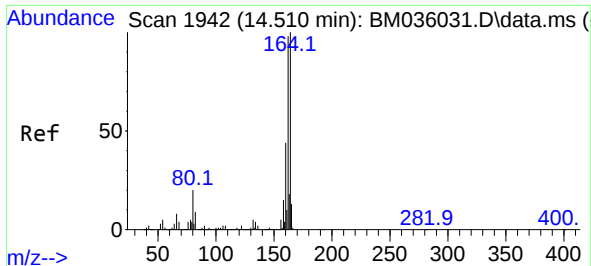
Reviewed By :Christian Giraldo 08/04/2022  
Supervised By :Jagrut Upadhyay 08/05/2022



#32  
Benzoic acid  
Concen: 2.13 ng m  
RT: 9.910 min Scan# 1160  
Delta R.T. -0.076 min  
Lab File: BM036089.D  
Acq: 03 Aug 2022 21:57

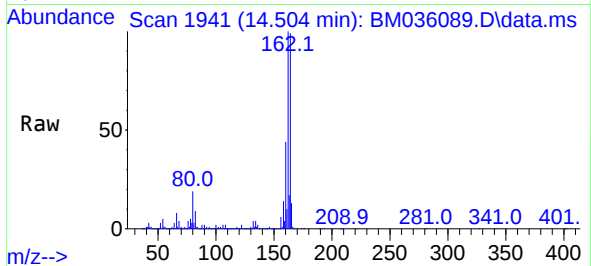
Tgt Ion:122 Resp: 18946  
Ion Ratio Lower Upper  
122 100  
105 115.3 105.7 145.7  
77 96.1 80.0 120.0





#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.504 min Scan# 1941  
Delta R.T. -0.006 min  
Lab File: BM036089.D  
Acq: 03 Aug 2022 21:57

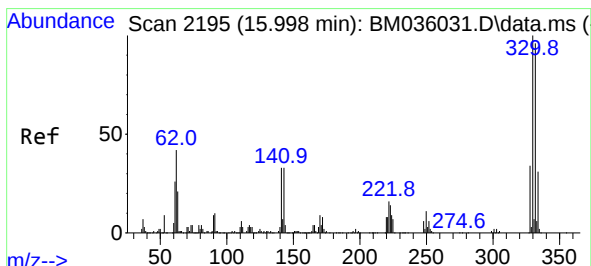
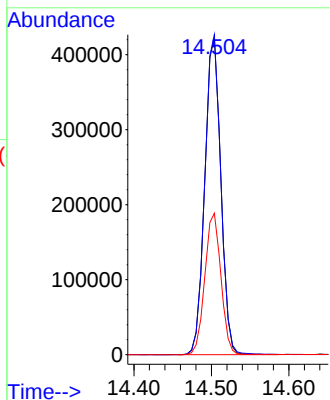
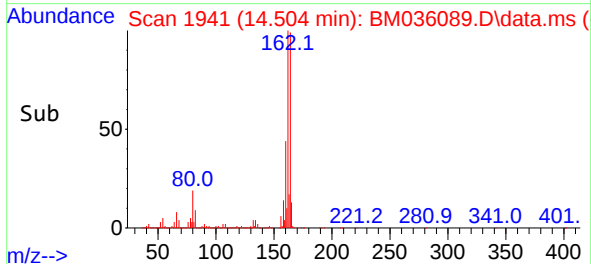
Instrument :  
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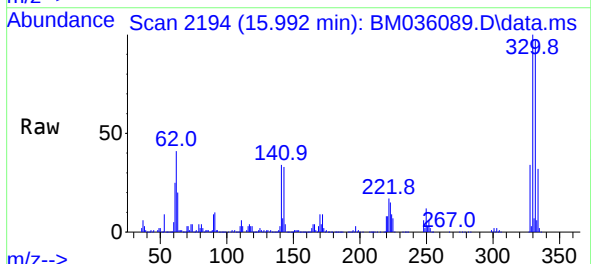
Tgt Ion:164 Resp: 607612  
Ion Ratio Lower Upper  
164 100  
162 101.0 83.0 124.6  
160 44.6 37.0 55.4

Manual Integrations  
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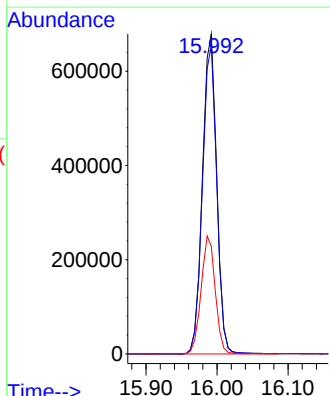
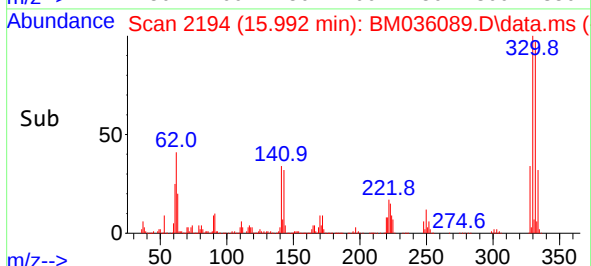
Reviewed By :Christian Giraldo 08/04/2022  
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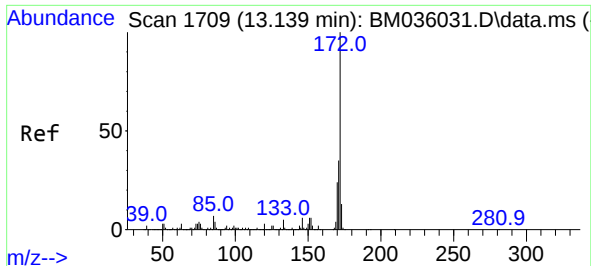


#42  
2,4,6-Tribromophenol  
Concen: 133.04 ng  
RT: 15.992 min Scan# 2194  
Delta R.T. -0.006 min  
Lab File: BM036089.D  
Acq: 03 Aug 2022 21:57



Tgt Ion:330 Resp: 948286  
Ion Ratio Lower Upper  
330 100  
332 96.4 77.0 115.4  
141 36.4 35.3 52.9





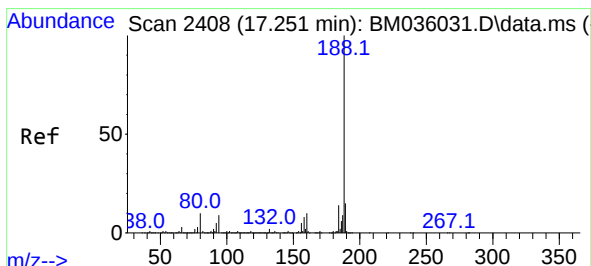
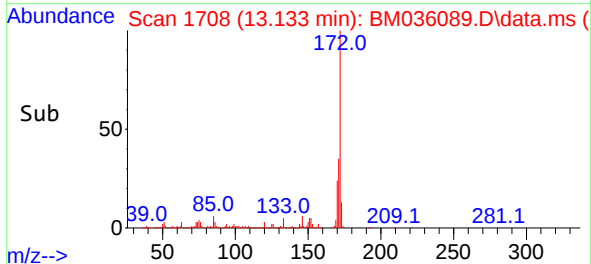
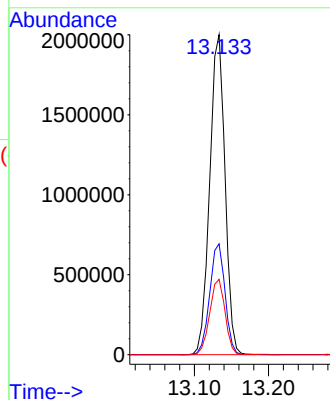
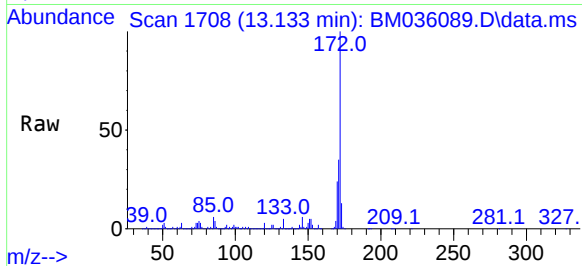
#45  
2-Fluorobiphenyl  
Concen: 69.65 ng  
RT: 13.133 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BM036089.D  
Acq: 03 Aug 2022 21:57

Instrument :  
BNA\_M  
ClientSampleId :  
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Tgt Ion:172 Resp: 286646  
Ion Ratio Lower Upper  
172 100  
171 34.7 28.5 42.7  
170 23.6 18.7 28.1

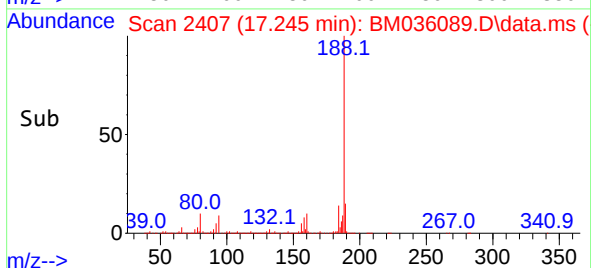
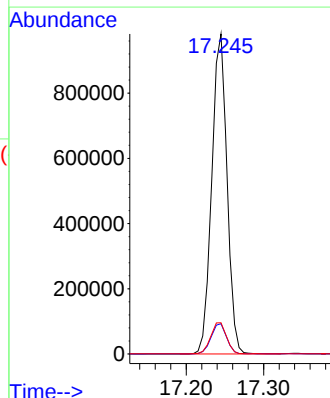
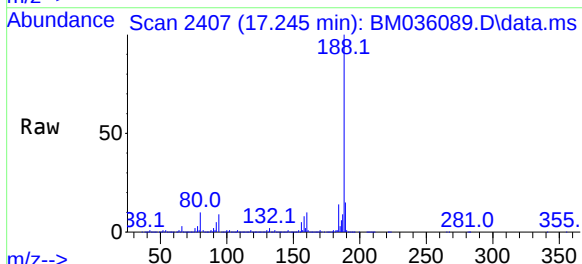
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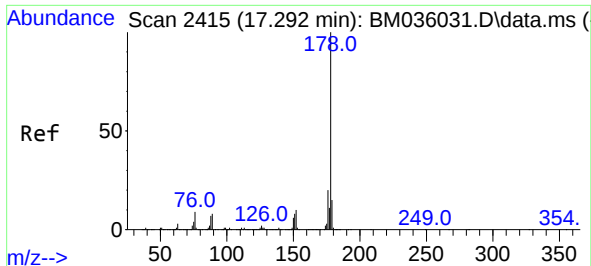
Reviewed By :Christian Giraldo 08/04/2022  
Supervised By :Jagrut Upadhyay 08/05/2022



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.245 min Scan# 2407  
Delta R.T. -0.006 min  
Lab File: BM036089.D  
Acq: 03 Aug 2022 21:57

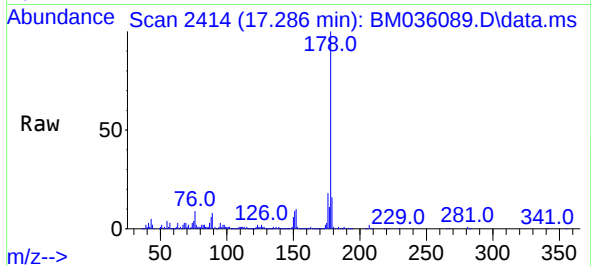
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Ion Ratio Lower Upper  
188 100  
94 9.5 7.0 10.4  
80 9.7 7.6 11.4





#71  
Phenanthrene  
Concen: 3.84 ng  
RT: 17.286 min Scan# 2415  
Delta R.T. -0.006 min  
Lab File: BM036089.D  
Acq: 03 Aug 2022 21:57

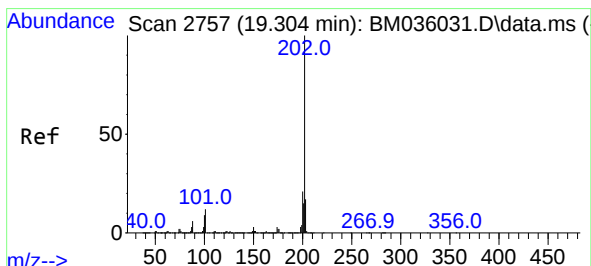
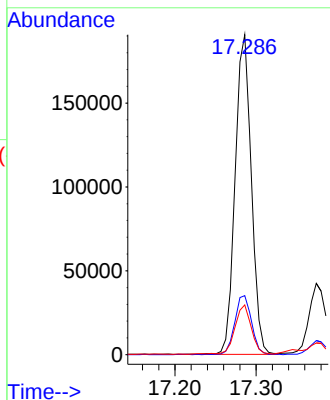
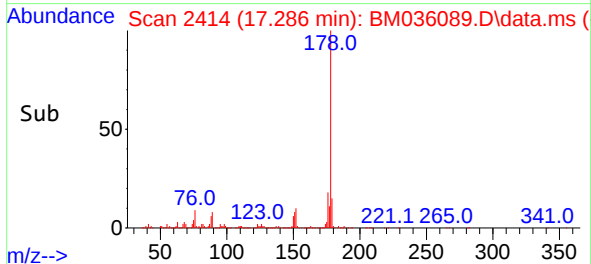
Instrument :  
BNA\_M  
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RVE-109



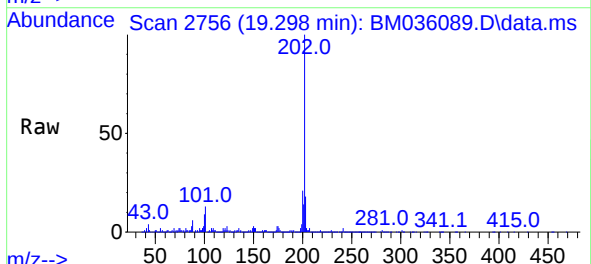
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Ion Ratio Lower Upper  
178 100  
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179 15.5 12.4 18.6

Manual Integrations  
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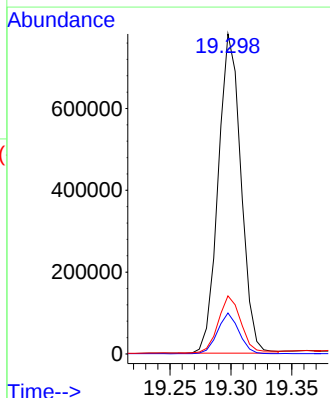
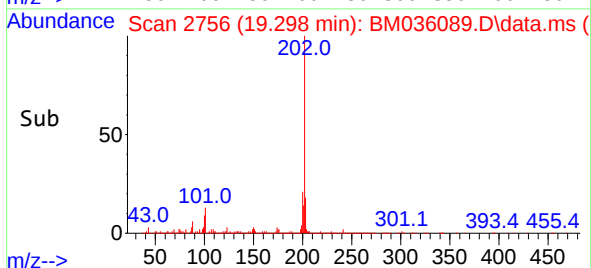
Reviewed By :Christian Giraldo 08/04/2022  
Supervised By :Jagrut Upadhyay 08/05/2022

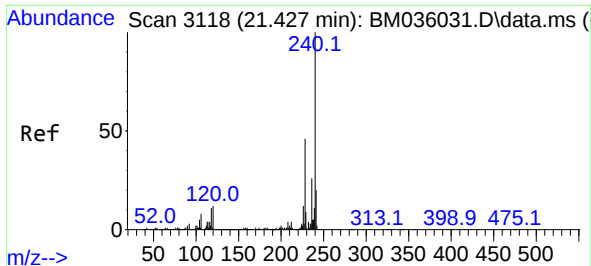


#75  
Fluoranthene  
Concen: 13.22 ng  
RT: 19.298 min Scan# 2756  
Delta R.T. -0.006 min  
Lab File: BM036089.D  
Acq: 03 Aug 2022 21:57



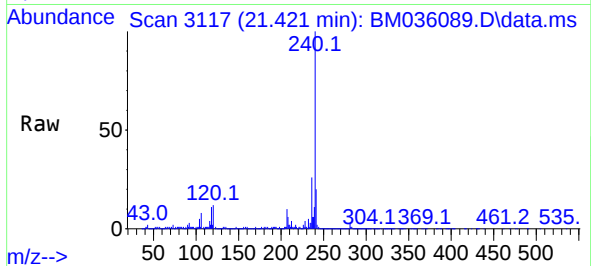
Tgt Ion:202 Resp: 1014826  
Ion Ratio Lower Upper  
202 100  
101 12.8 0.0 30.6  
203 18.2 0.0 37.4





#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.421 min Scan# 3118  
Delta R.T. -0.006 min  
Lab File: BM036089.D  
Acq: 03 Aug 2022 21:57

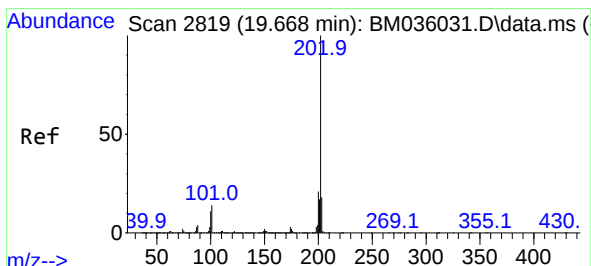
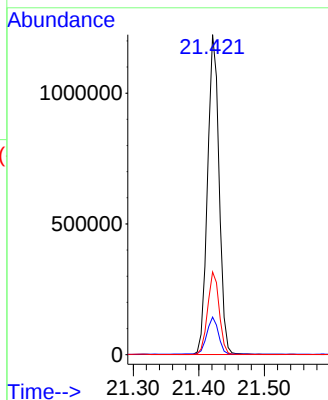
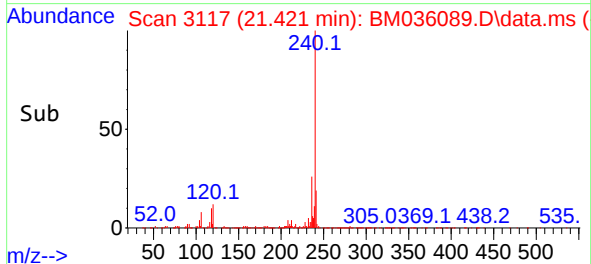
Instrument :  
BNA\_M  
ClientSampleId :  
RVE-109



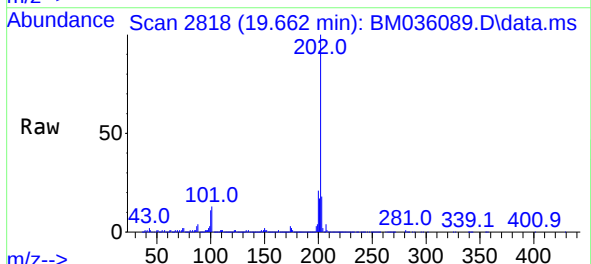
Tgt Ion:240 Resp: 150039  
Ion Ratio Lower Upper  
240 100  
120 11.8 9.4 14.0  
236 25.9 20.6 30.8

Manual Integrations  
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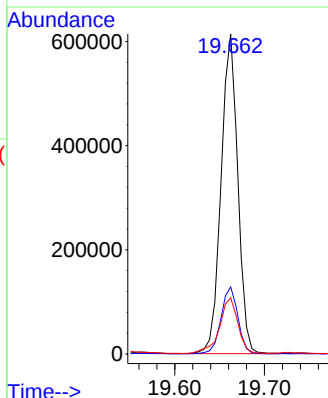
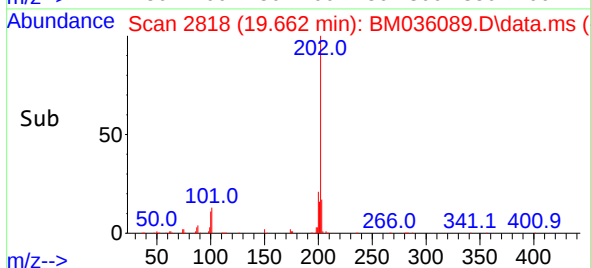
Reviewed By :Christian Giraldo 08/04/2022  
Supervised By :Jagrut Upadhyay 08/05/2022

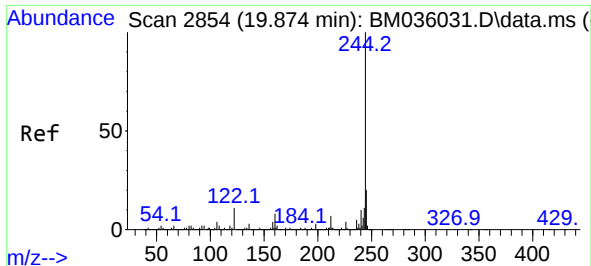


#78  
Pyrene  
Concen: 8.54 ng  
RT: 19.662 min Scan# 2818  
Delta R.T. -0.006 min  
Lab File: BM036089.D  
Acq: 03 Aug 2022 21:57



Tgt Ion:202 Resp: 794188  
Ion Ratio Lower Upper  
202 100  
200 21.0 16.7 25.1  
203 17.6 13.9 20.9





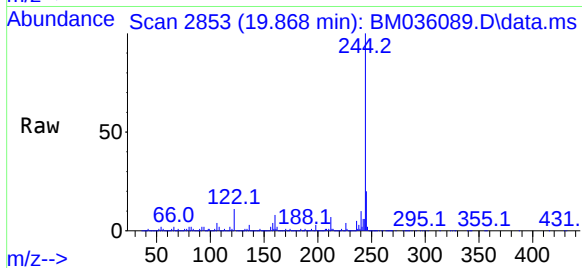
#79  
 Terphenyl-d14  
 Concen: 70.16 ng  
 RT: 19.868 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BM036089.D  
 Acq: 03 Aug 2022 21:57

Instrument :

BNA\_M

ClientSampleId :

RVE-109

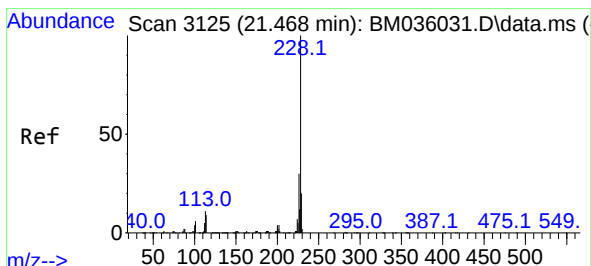
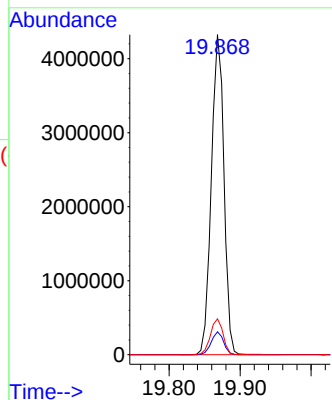
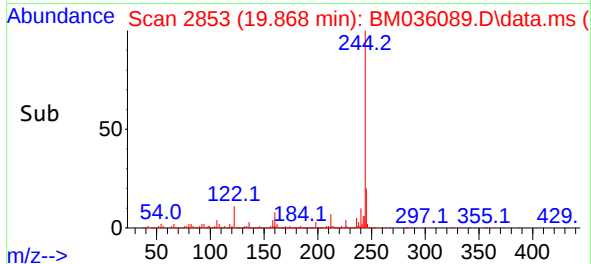


Tgt Ion:244 Resp: 533672  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 6.2 9.4  
 122 11.2 8.3 12.5

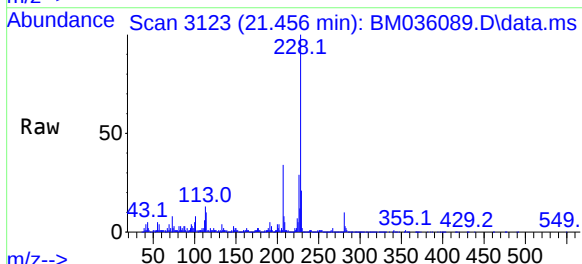
Manual Integrations

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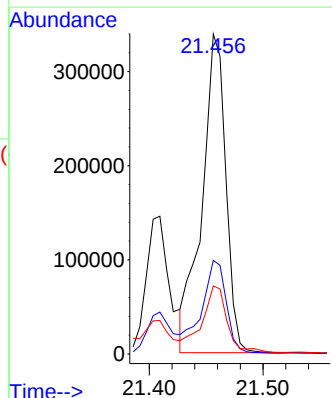
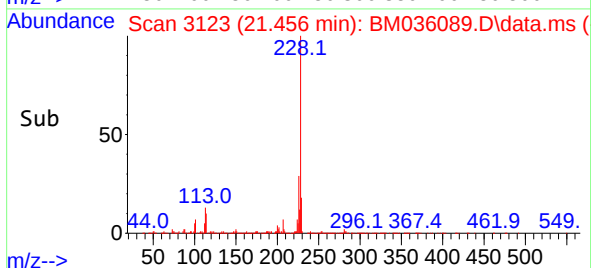
Reviewed By :Christian Giraldo 08/04/2022  
 Supervised By :Jagrut Upadhyay 08/05/2022

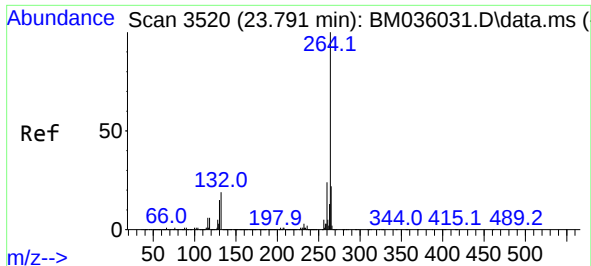


#83  
 Chrysene  
 Concen: 5.63 ng  
 RT: 21.456 min Scan# 3123  
 Delta R.T. -0.012 min  
 Lab File: BM036089.D  
 Acq: 03 Aug 2022 21:57



Tgt Ion:228 Resp: 494834  
 Ion Ratio Lower Upper  
 228 100  
 226 29.3 24.4 36.6  
 229 21.2 15.8 23.8





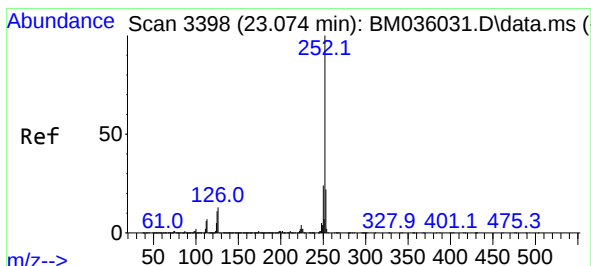
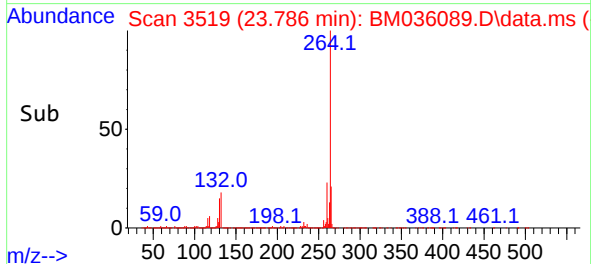
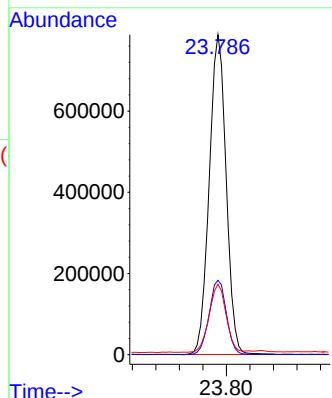
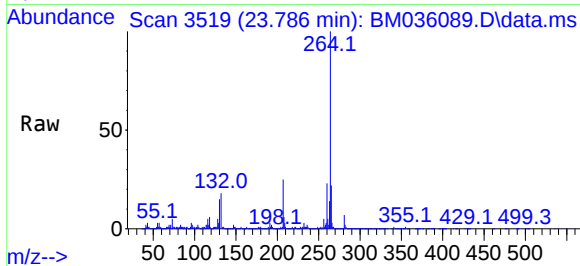
#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 23.786 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BM036089.D  
Acq: 03 Aug 2022 21:57

Instrument :  
BNA\_M  
ClientSampleId :  
RVE-109

Tgt Ion:264 Resp: 157031  
Ion Ratio Lower Upper  
264 100  
260 23.2 18.9 28.3  
265 22.0 17.5 26.3

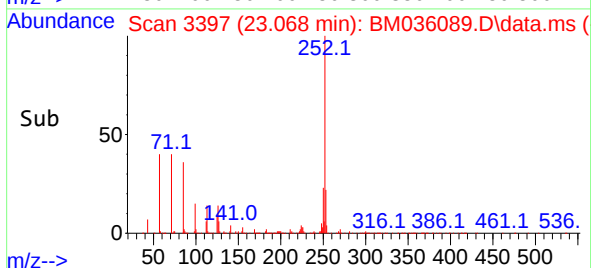
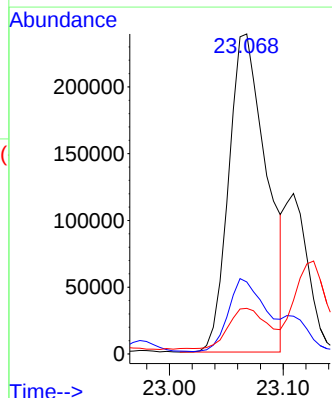
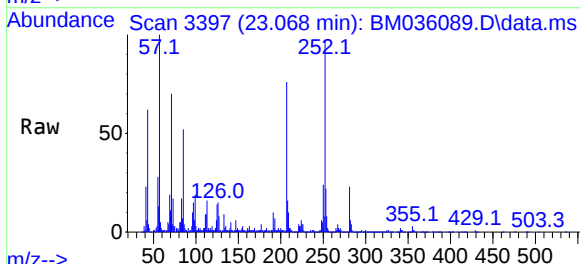
Manual Integrations  
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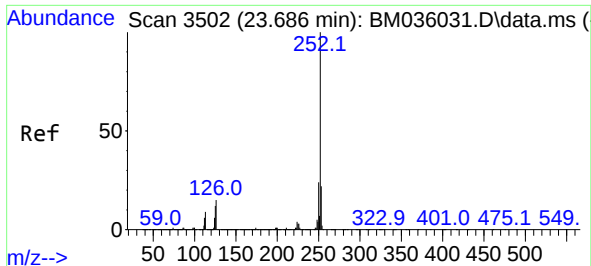
Reviewed By :Christian Giraldo 08/04/2022  
Supervised By :Jagrut Upadhyay 08/05/2022



#88  
Benzo(b)fluoranthene  
Concen: 6.00 ng  
RT: 23.068 min Scan# 3397  
Delta R.T. -0.006 min  
Lab File: BM036089.D  
Acq: 03 Aug 2022 21:57

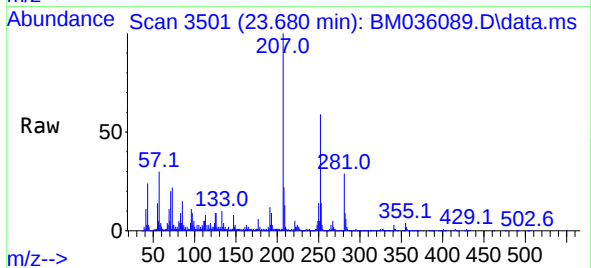
Tgt Ion:252 Resp: 551921  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.6 26.4  
125 14.3 7.6 11.4#





#90  
Benzo(a)pyrene  
Concen: 2.72 ng  
RT: 23.680 min Scan# 30  
Delta R.T. -0.006 min  
Lab File: BM036089.D  
Acq: 03 Aug 2022 21:57

Instrument :  
BNA\_M  
ClientSampleId :  
RVE-109



Tgt Ion:252 Resp: 20970  
Ion Ratio Lower Upper  
252 100  
253 24.1 17.2 25.8  
125 14.8 8.7 13.1

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 08/04/2022  
Supervised By :Jagrut Upadhyay 08/05/2022

