

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120621\  
 Data File : BM033314.D  
 Acq On : 06 Dec 2021 16:11  
 Operator : CG/JU  
 Sample : M4918-04  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MW-39

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 12/07/2021  
 Supervised By :Sohil Jodhani 12/10/2021

Quant Time: Dec 07 03:07:42 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM112421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 06 13:01:33 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.925  | 152  | 123757   | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.725 | 136  | 500610   | 20.000  | ng    | #-0.01   |
| 39) Acenaphthene-d10        | 14.548 | 164  | 319157   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.283 | 188  | 642500   | 20.000  | ng    | #-0.01   |
| 76) Chrysene-d12            | 21.448 | 240  | 623228   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12            | 23.777 | 264  | 646789   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.519  | 112  | 394537   | 52.646  | ng    | 0.01     |
| 7) Phenol-d6                | 7.107  | 99   | 306828   | 30.570  | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 9.090  | 82   | 1000237  | 92.755  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.036 | 330  | 441310   | 126.846 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.172 | 172  | 1931099  | 85.332  | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.895 | 244  | 2341264  | 74.284  | ng    | -0.01    |
| Target Compounds            |        |      |          |         |       |          |
|                             |        |      |          |         |       | Qvalue   |
| 17) 2-Methylphenol          | 8.378  | 107  | 19841    | 2.961   | ng    | 96       |
| 27) 2,4-Dimethylphenol      | 9.901  | 122  | 46099m   | 6.966   | ng    |          |
| 31) Naphthalene             | 10.778 | 128  | 7420191  | 280.991 | ng    | 99       |
| 37) 2-Methylnaphthalene     | 12.378 | 142  | 2351204  | 130.781 | ng    | 96       |
| 38) 1-Methylnaphthalene     | 12.595 | 142  | 1728985  | 98.575  | ng    | 97       |
| 46) 1,1'-Biphenyl           | 13.383 | 154  | 217865   | 9.079   | ng    | 98       |
| 52) Acenaphthene            | 14.613 | 154  | 46463    | 2.640   | ng    | 99       |
| 55) Dibenzofuran            | 14.942 | 168  | 80270    | 2.743   | ng    | # 83     |
| 58) Fluorene                | 15.595 | 166  | 97270    | 4.245   | ng    | 97       |
| 71) Phenanthrene            | 17.330 | 178  | 135181   | 3.828   | ng    | 98       |
| 73) Carbazole               | 17.689 | 167  | 81252    | 2.397   | ng    | 100      |
| -----                       |        |      |          |         |       |          |

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

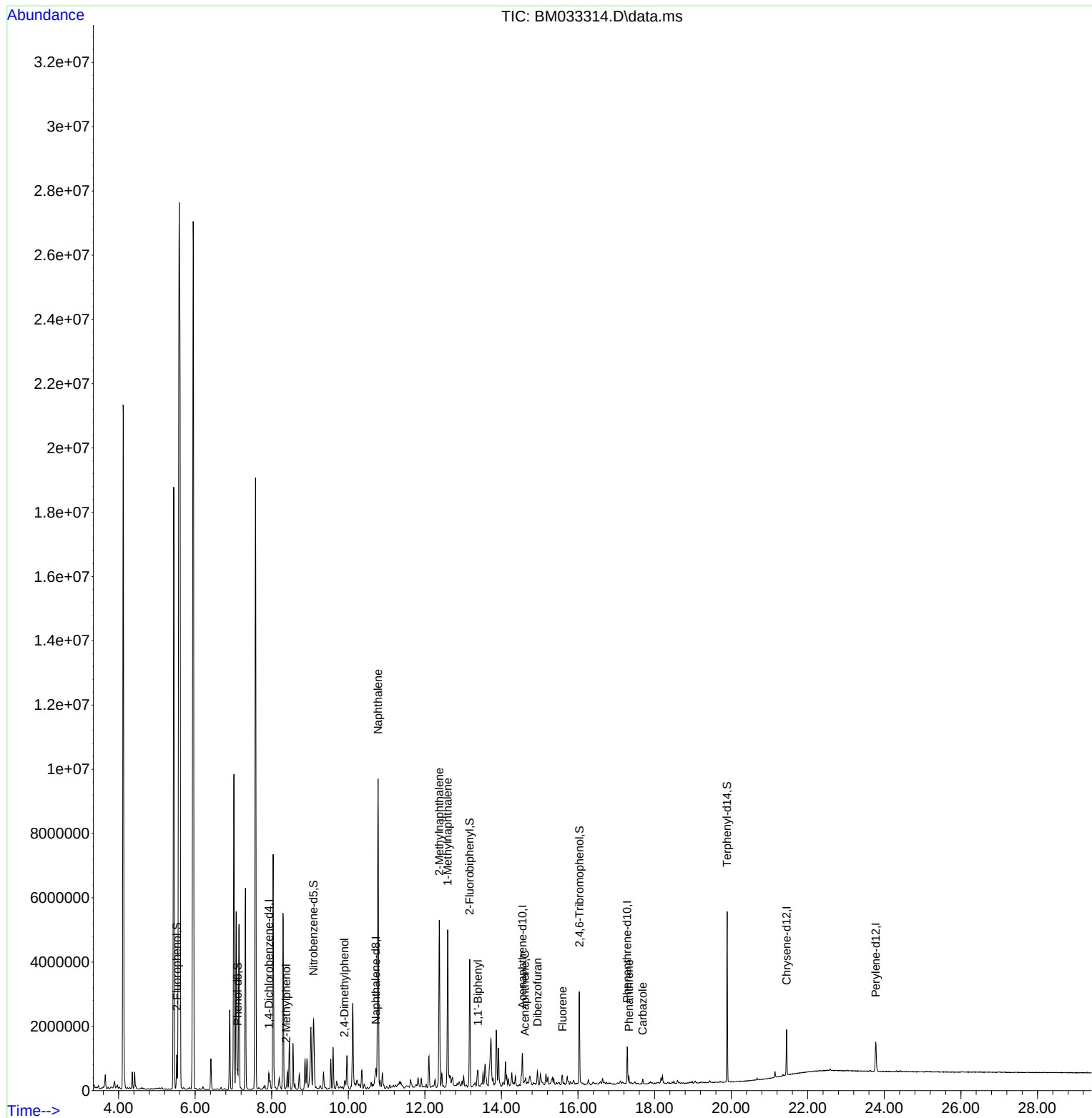
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120621\  
Data File : BM033314.D  
Acq On : 06 Dec 2021 16:11  
Operator : CG/JU  
Sample : M4918-04  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

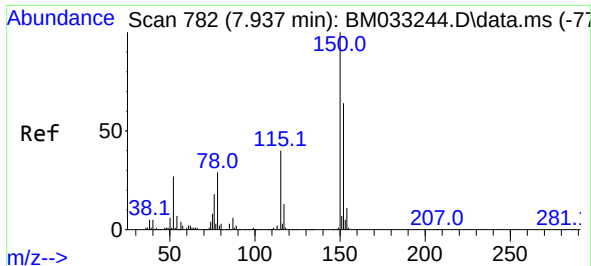
Instrument :  
BNA\_M  
ClientSampleId :  
MW-39

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 12/07/2021  
Supervised By :Sohil Jodhani 12/10/2021

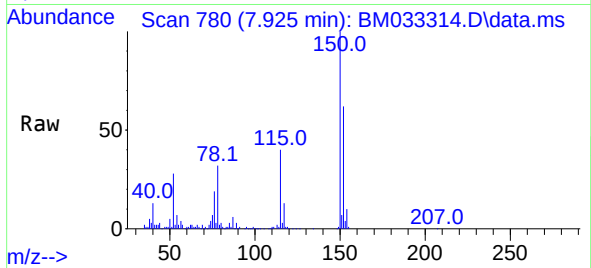
Quant Time: Dec 07 03:07:42 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM112421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 06 13:01:33 2021  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.925 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BM033314.D  
Acq: 06 Dec 2021 16:11

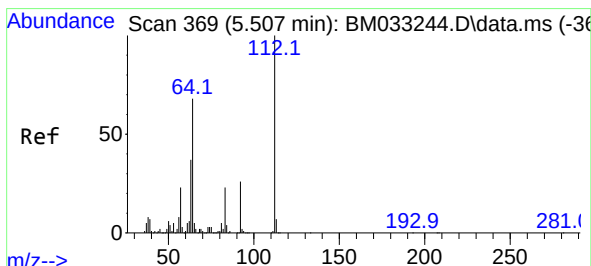
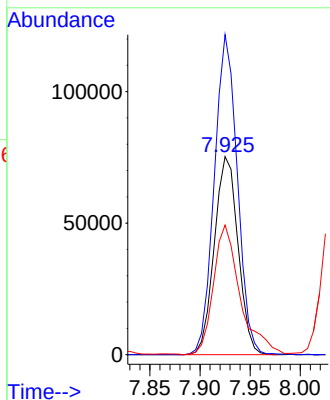
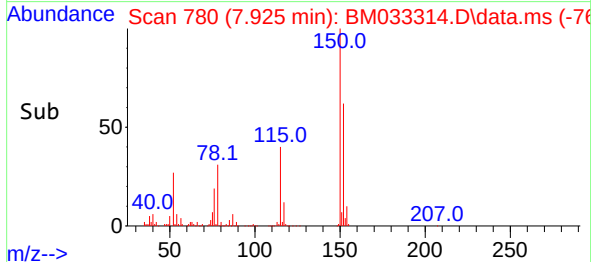
Instrument :  
BNA\_M  
ClientSampleId :  
MW-39



Tgt Ion:152 Resp: 12375  
Ion Ratio Lower Upper  
152 100  
150 161.5 122.4 183.6  
115 65.4 53.8 80.8

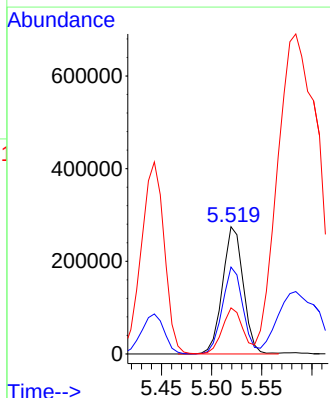
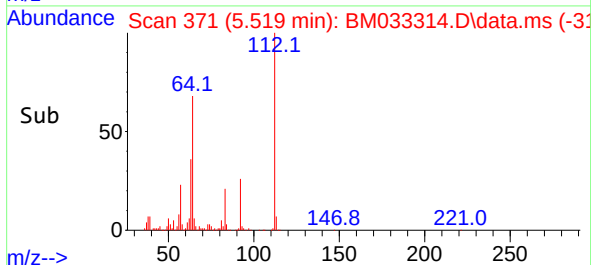
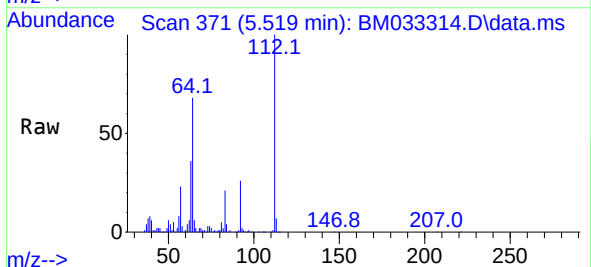
Manual Integrations  
APPROVED

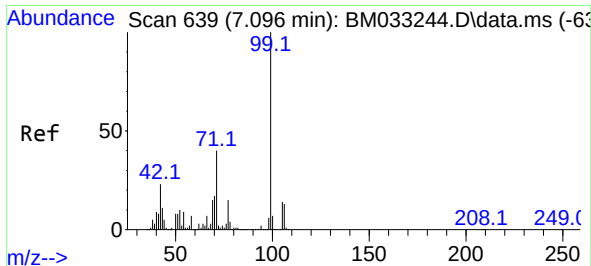
Reviewed By :Jagrut Upadhyay 12/07/2021  
Supervised By :Sohil Jodhani 12/10/2021



#5  
2-Fluorophenol  
Concen: 52.646 ng  
RT: 5.519 min Scan# 371  
Delta R.T. 0.012 min  
Lab File: BM033314.D  
Acq: 06 Dec 2021 16:11

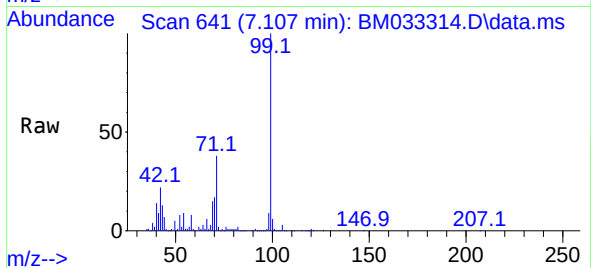
Tgt Ion:112 Resp: 394537  
Ion Ratio Lower Upper  
112 100  
64 68.3 53.7 80.5  
63 36.3 33.9 50.9





#7  
Phenol-d6  
Concen: 30.570 ng  
RT: 7.107 min Scan# 641  
Delta R.T. 0.012 min  
Lab File: BM033314.D  
Acq: 06 Dec 2021 16:11

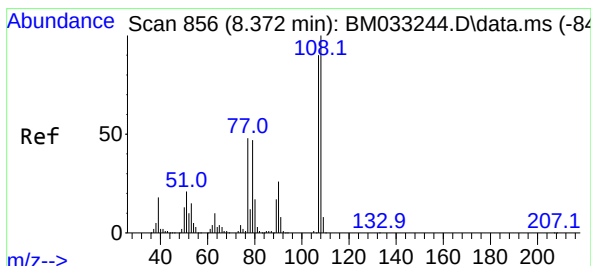
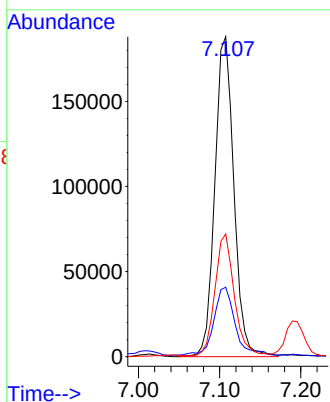
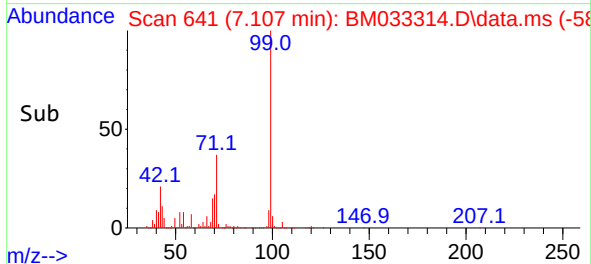
Instrument :  
BNA\_M  
ClientSampleId :  
MW-39



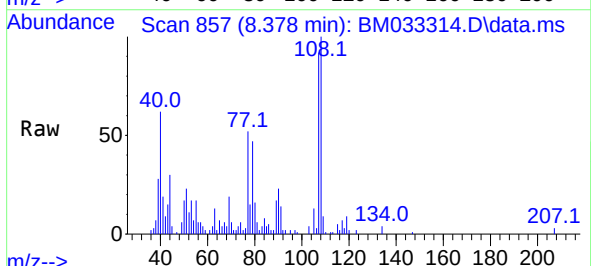
Tgt Ion: 99 Resp: 306828  
Ion Ratio Lower Upper  
99 100  
42 21.7 23.0 34.6  
71 38.3 37.8 56.8

Manual Integrations  
APPROVED

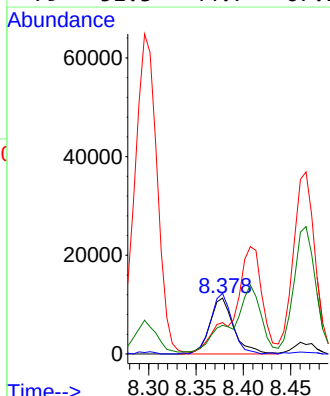
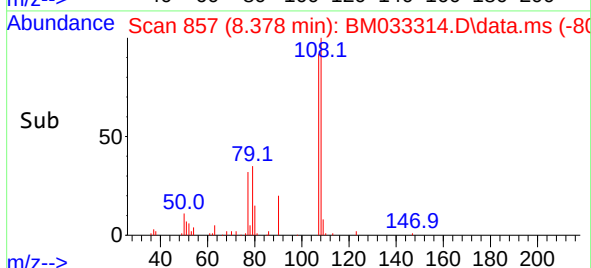
Reviewed By :Jagrut Upadhyay 12/07/2021  
Supervised By :Sohil Jodhani 12/10/2021

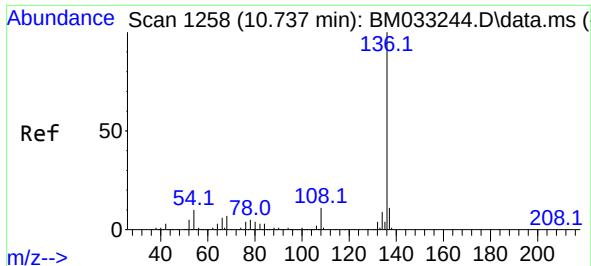


#17  
2-Methylphenol  
Concen: 2.961 ng  
RT: 8.378 min Scan# 857  
Delta R.T. 0.006 min  
Lab File: BM033314.D  
Acq: 06 Dec 2021 16:11



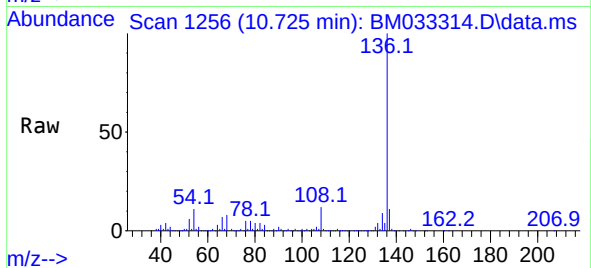
Tgt Ion:107 Resp: 19841  
Ion Ratio Lower Upper  
107 100  
108 108.8 87.9 131.9  
77 56.1 48.2 72.2  
79 51.3 44.7 67.1





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.725 min Scan# 10  
Delta R.T. -0.012 min  
Lab File: BM033314.D  
Acq: 06 Dec 2021 16:11

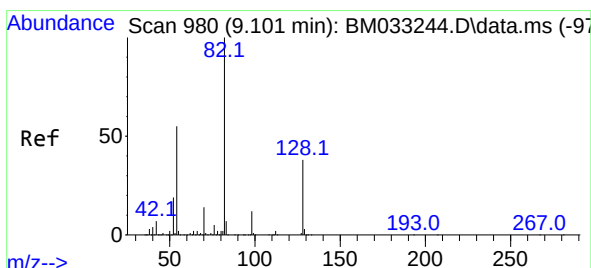
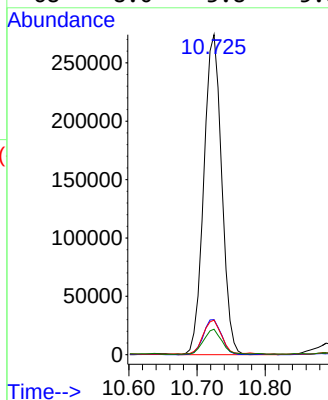
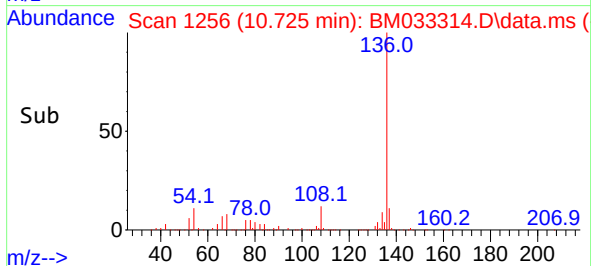
Instrument :  
BNA\_M  
ClientSampleId :  
MW-39



Tgt Ion:136 Resp: 500610  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.7 13.1  
54 10.8 7.4 11.0  
68 8.0 3.8 5.8#

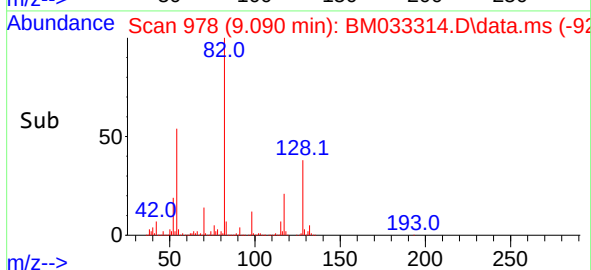
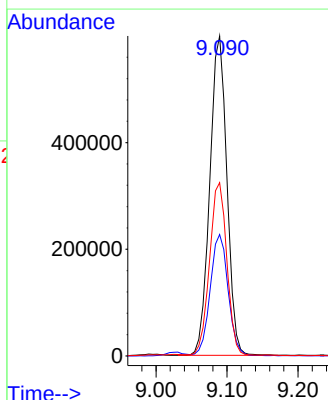
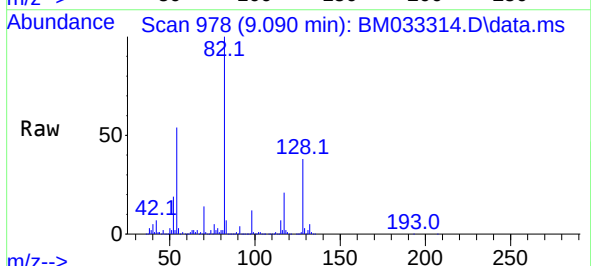
Manual Integrations  
APPROVED

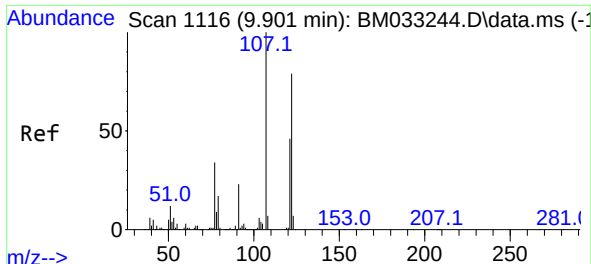
Reviewed By :Jagrut Upadhyay 12/07/2021  
Supervised By :Sohil Jodhani 12/10/2021



#23  
Nitrobenzene-d5  
Concen: 92.755 ng  
RT: 9.090 min Scan# 978  
Delta R.T. -0.012 min  
Lab File: BM033314.D  
Acq: 06 Dec 2021 16:11

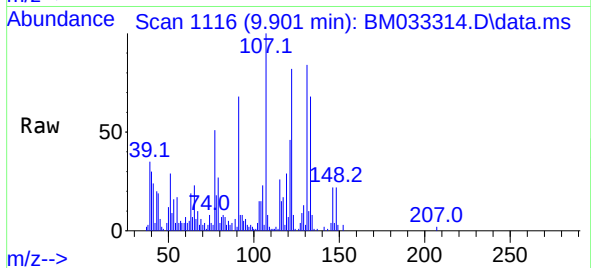
Tgt Ion: 82 Resp: 1000237  
Ion Ratio Lower Upper  
82 100  
128 38.0 29.0 43.6  
54 54.2 45.8 68.8





#27  
2,4-Dimethylphenol  
Concen: 6.966 ng m  
RT: 9.901 min Scan# 1116  
Delta R.T. 0.000 min  
Lab File: BM033314.D  
Acq: 06 Dec 2021 16:11

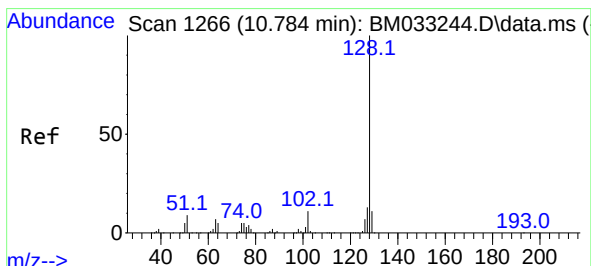
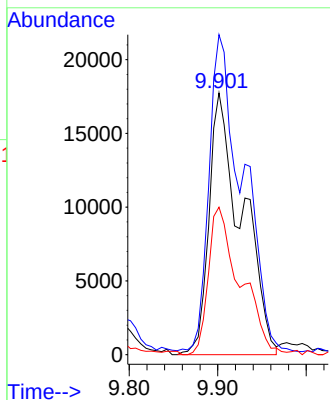
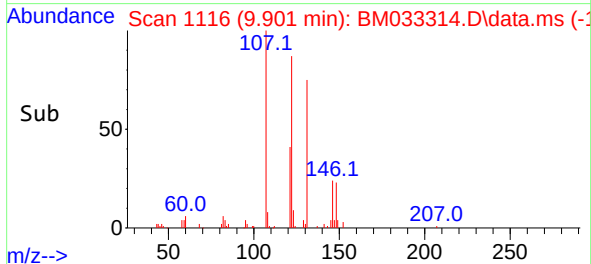
Instrument :  
BNA\_M  
ClientSampleId :  
MW-39



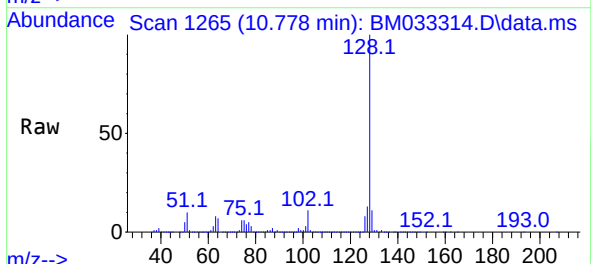
Tgt Ion:122 Resp: 46099  
Ion Ratio Lower Upper  
122 100  
107 122.3 100.6 150.8  
121 56.4 47.3 70.9

Manual Integrations  
APPROVED

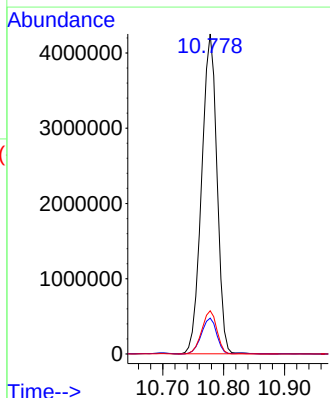
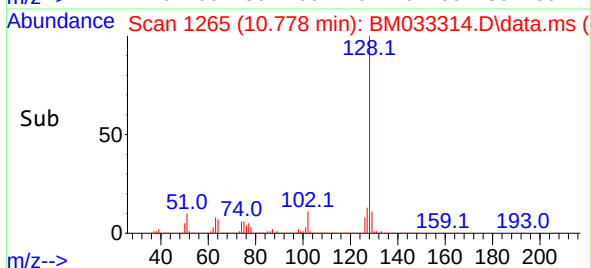
Reviewed By :Jagrut Upadhyay 12/07/2021  
Supervised By :Sohil Jodhani 12/10/2021

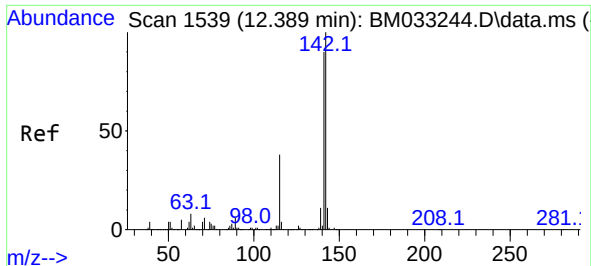


#31  
Naphthalene  
Concen: 280.991 ng  
RT: 10.778 min Scan# 1265  
Delta R.T. -0.006 min  
Lab File: BM033314.D  
Acq: 06 Dec 2021 16:11



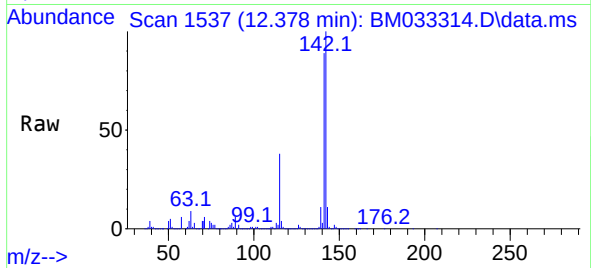
Tgt Ion:128 Resp: 7420191  
Ion Ratio Lower Upper  
128 100  
129 11.2 8.6 13.0  
127 13.5 10.4 15.6





#37  
2-Methylnaphthalene  
Concen: 130.781 ng  
RT: 12.378 min Scan# 1537  
Delta R.T. -0.012 min  
Lab File: BM033314.D  
Acq: 06 Dec 2021 16:11

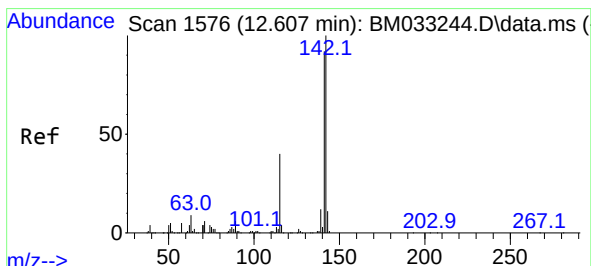
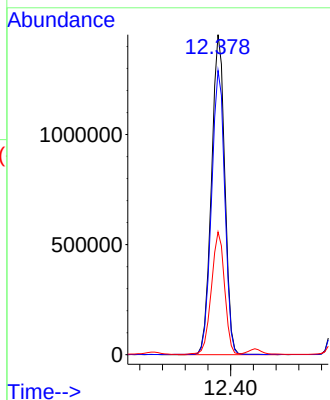
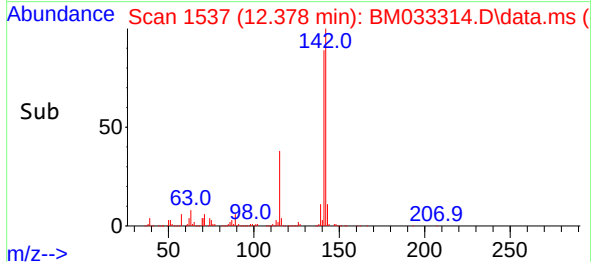
Instrument :  
BNA\_M  
ClientSampleId :  
MW-39



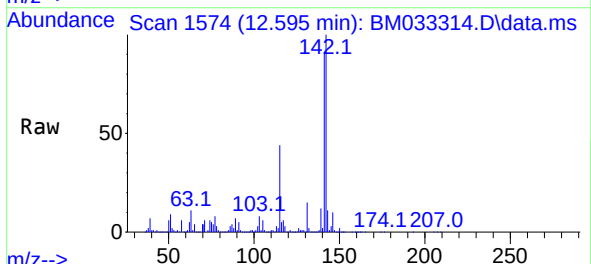
Tgt Ion:142 Resp: 2351204  
Ion Ratio Lower Upper  
142 100  
141 88.8 71.8 107.6  
115 38.4 36.3 54.5

Manual Integrations  
APPROVED

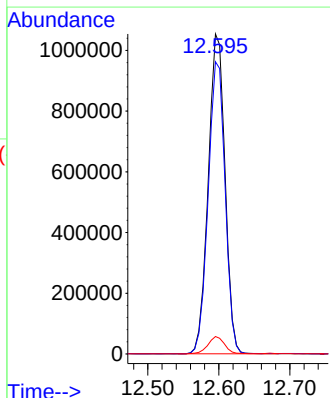
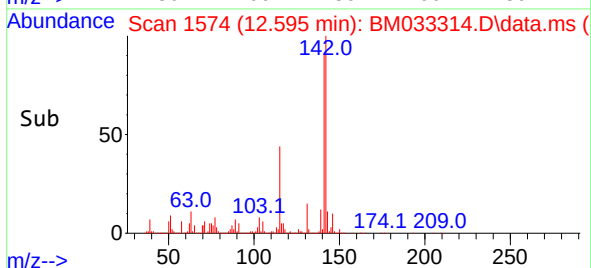
Reviewed By :Jagrut Upadhyay 12/07/2021  
Supervised By :Sohil Jodhani 12/10/2021

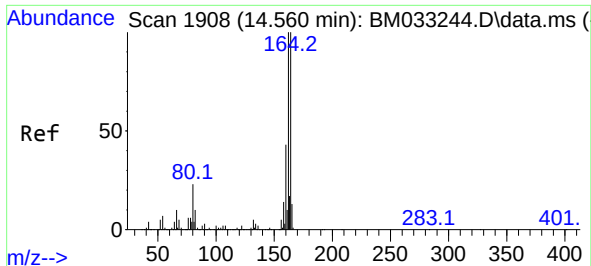


#38  
1-Methylnaphthalene  
Concen: 98.575 ng  
RT: 12.595 min Scan# 1574  
Delta R.T. -0.012 min  
Lab File: BM033314.D  
Acq: 06 Dec 2021 16:11



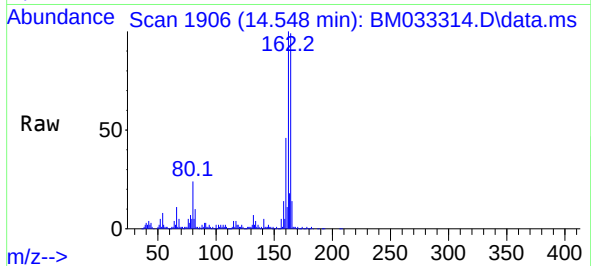
Tgt Ion:142 Resp: 1728985  
Ion Ratio Lower Upper  
142 100  
141 91.3 75.6 113.4  
116 5.5 4.0 6.0





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.548 min Scan# 1906  
Delta R.T. -0.012 min  
Lab File: BM033314.D  
Acq: 06 Dec 2021 16:11

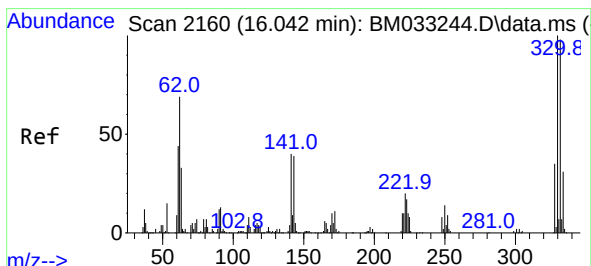
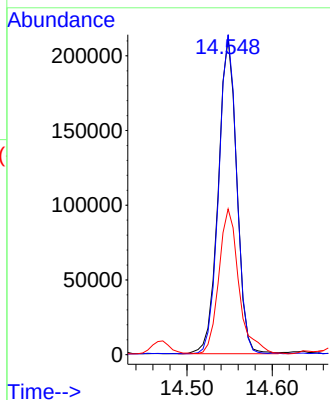
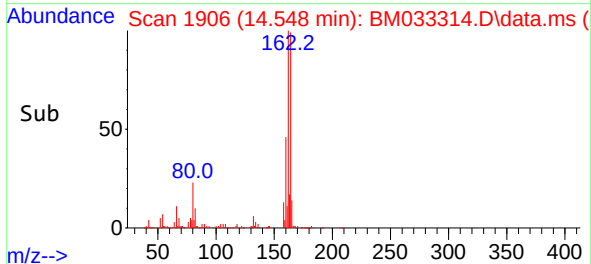
Instrument :  
BNA\_M  
ClientSampleId :  
MW-39



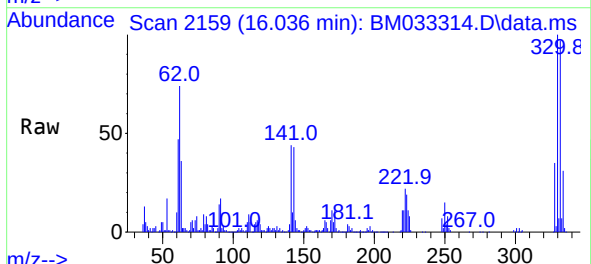
Tgt Ion:164 Resp: 31915  
Ion Ratio Lower Upper  
164 100  
162 101.2 80.6 121.0  
160 46.1 35.1 52.7

Manual Integrations  
APPROVED

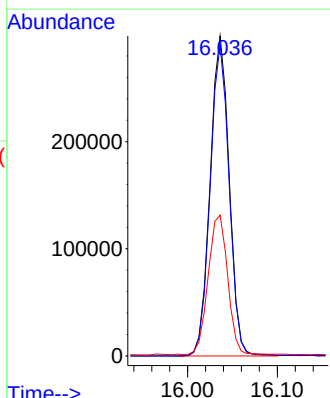
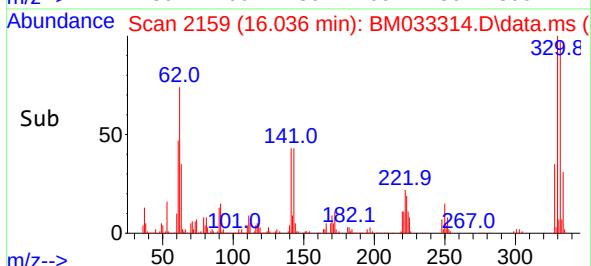
Reviewed By :Jagrut Upadhyay 12/07/2021  
Supervised By :Sohil Jodhani 12/10/2021



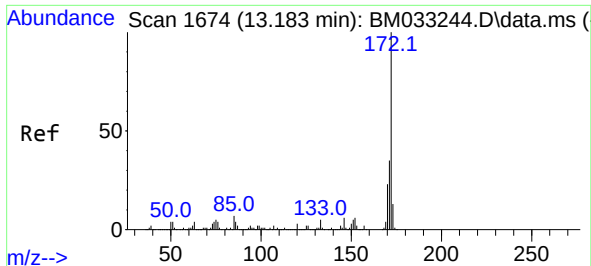
#42  
2,4,6-Tribromophenol  
Concen: 126.846 ng  
RT: 16.036 min Scan# 2159  
Delta R.T. -0.006 min  
Lab File: BM033314.D  
Acq: 06 Dec 2021 16:11



Tgt Ion:330 Resp: 441310  
Ion Ratio Lower Upper  
330 100  
332 96.5 75.7 113.5  
141 44.8 50.7 76.1#

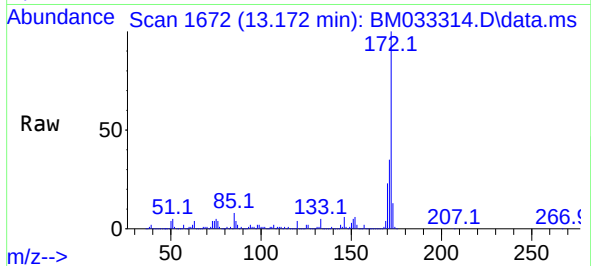






#45  
2-Fluorobiphenyl  
Concen: 85.332 ng  
RT: 13.172 min Scan# 1708  
Delta R.T. -0.012 min  
Lab File: BM033314.D  
Acq: 06 Dec 2021 16:11

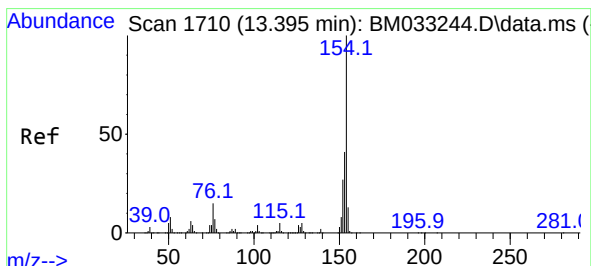
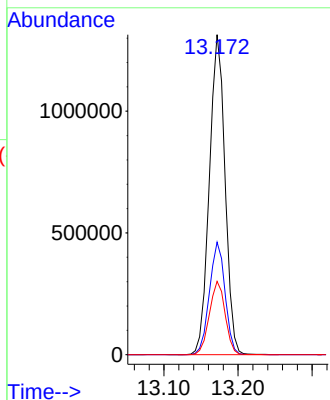
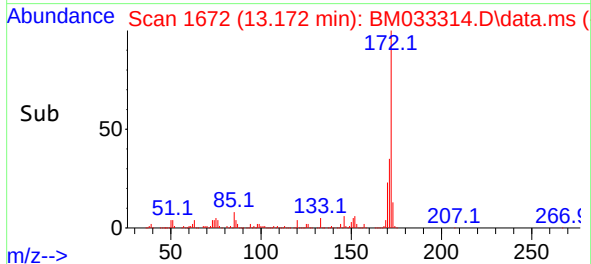
Instrument :  
BNA\_M  
ClientSampleId :  
MW-39



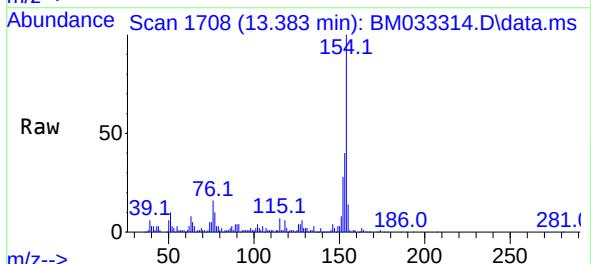
Tgt Ion:172 Resp: 1931099  
Ion Ratio Lower Upper  
172 100  
171 35.1 28.1 42.1  
170 22.9 18.6 27.8

Manual Integrations  
APPROVED

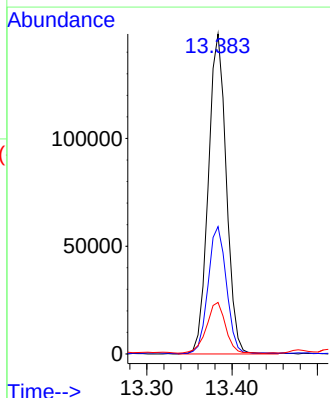
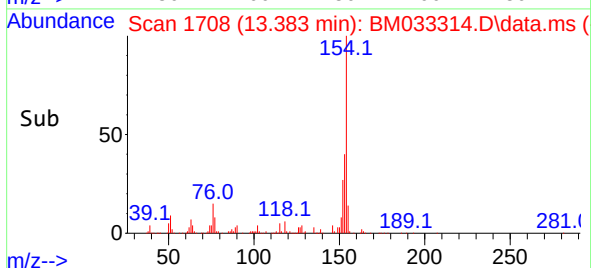
Reviewed By :Jagrut Upadhyay 12/07/2021  
Supervised By :Sohil Jodhani 12/10/2021

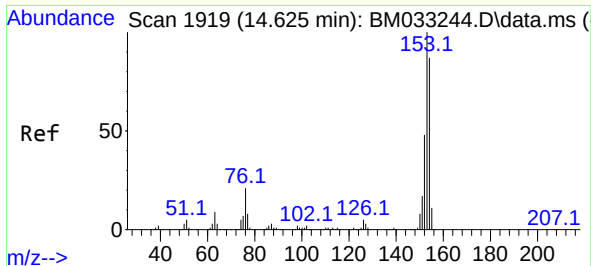


#46  
1,1'-Biphenyl  
Concen: 9.079 ng  
RT: 13.383 min Scan# 1708  
Delta R.T. -0.012 min  
Lab File: BM033314.D  
Acq: 06 Dec 2021 16:11



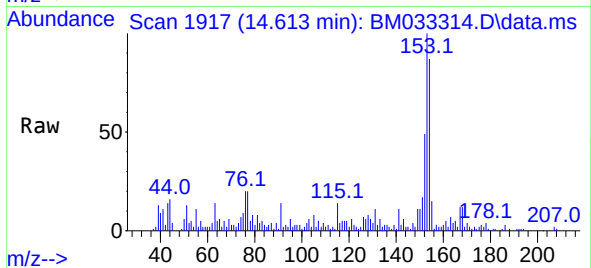
Tgt Ion:154 Resp: 217865  
Ion Ratio Lower Upper  
154 100  
153 39.8 20.3 60.3  
76 16.1 0.0 33.5





#52  
Acenaphthene  
Concen: 2.640 ng  
RT: 14.613 min Scan# 1919  
Delta R.T. -0.012 min  
Lab File: BM033314.D  
Acq: 06 Dec 2021 16:11

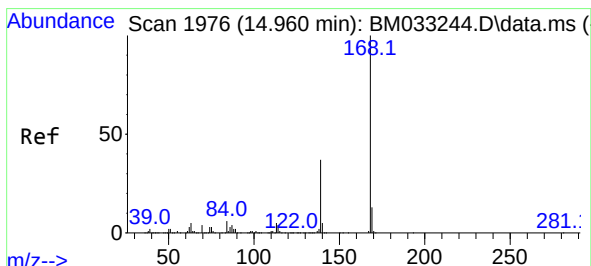
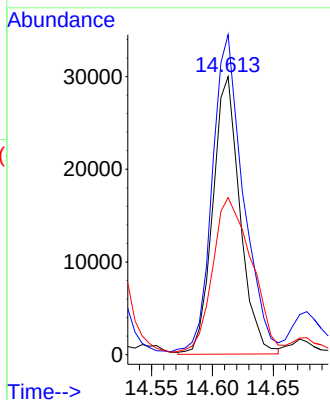
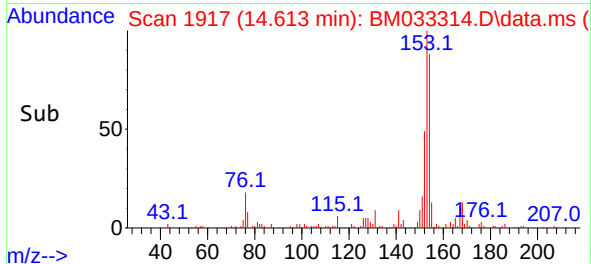
Instrument :  
BNA\_M  
ClientSampleId :  
MW-39



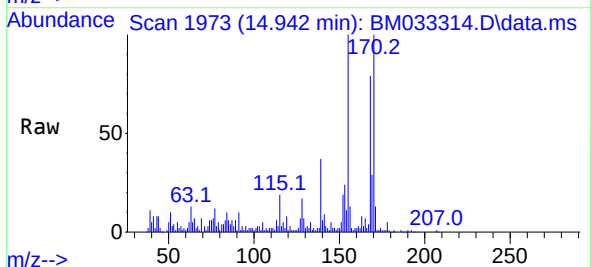
Tgt Ion:154 Resp: 4646  
Ion Ratio Lower Upper  
154 100  
153 115.0 92.4 138.6  
152 56.5 43.7 65.5

Manual Integrations  
APPROVED

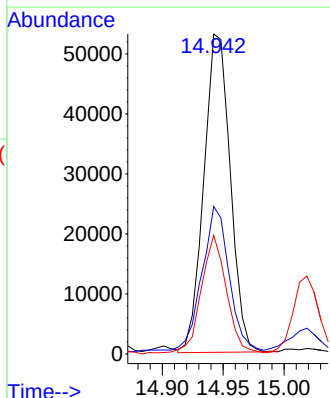
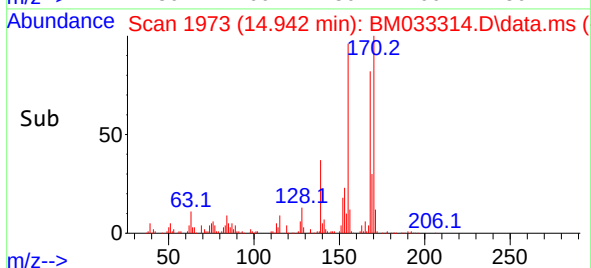
Reviewed By :Jagrut Upadhyay 12/07/2021  
Supervised By :Sohil Jodhani 12/10/2021

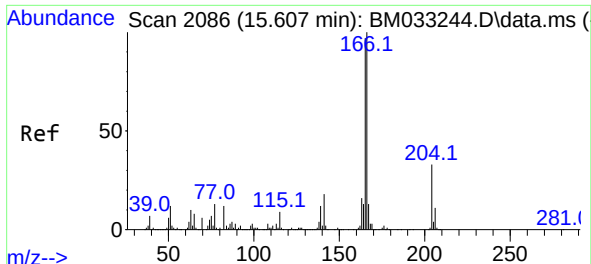


#55  
Dibenzofuran  
Concen: 2.743 ng  
RT: 14.942 min Scan# 1973  
Delta R.T. -0.018 min  
Lab File: BM033314.D  
Acq: 06 Dec 2021 16:11



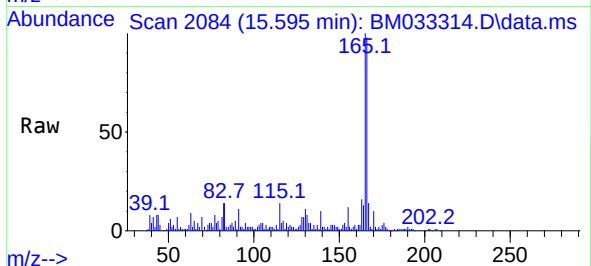
Tgt Ion:168 Resp: 80270  
Ion Ratio Lower Upper  
168 100  
139 46.1 35.0 52.4  
169 37.1 10.8 16.2#





#58  
Fluorene  
Concen: 4.245 ng  
RT: 15.595 min Scan# 2084  
Delta R.T. -0.012 min  
Lab File: BM033314.D  
Acq: 06 Dec 2021 16:11

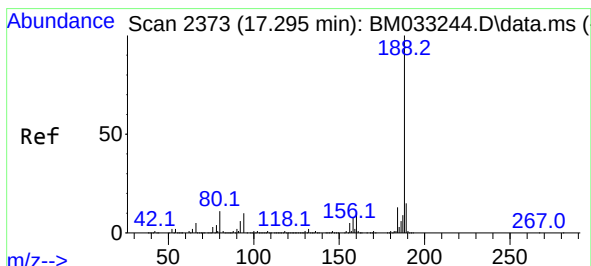
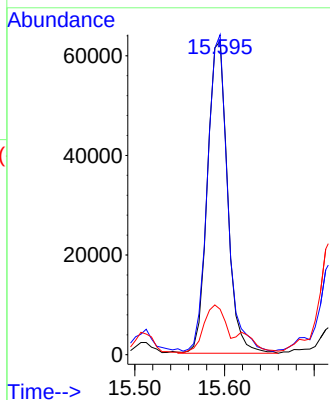
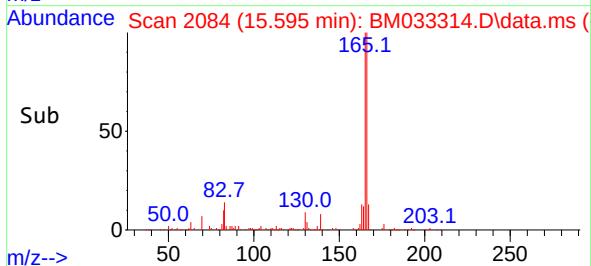
Instrument :  
BNA\_M  
ClientSampleId :  
MW-39



Tgt Ion:166 Resp: 97270  
Ion Ratio Lower Upper  
166 100  
165 102.0 79.3 118.9  
167 14.5 10.6 16.0

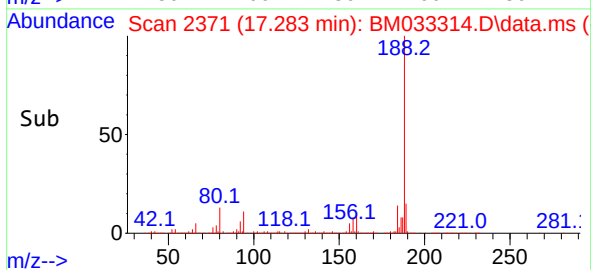
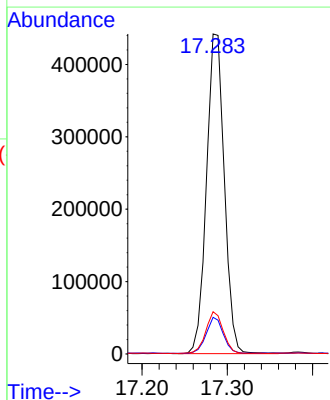
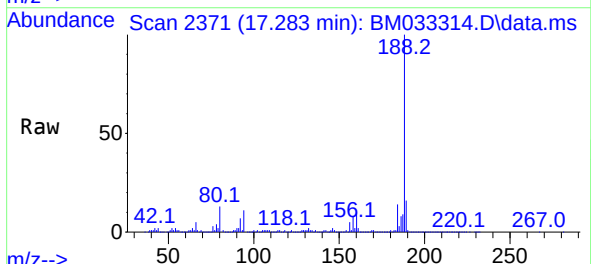
Manual Integrations  
APPROVED

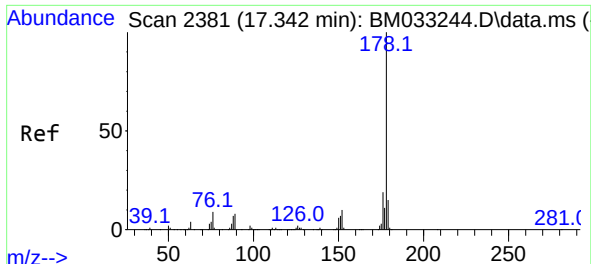
Reviewed By :Jagrut Upadhyay 12/07/2021  
Supervised By :Sohil Jodhani 12/10/2021



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.283 min Scan# 2371  
Delta R.T. -0.012 min  
Lab File: BM033314.D  
Acq: 06 Dec 2021 16:11

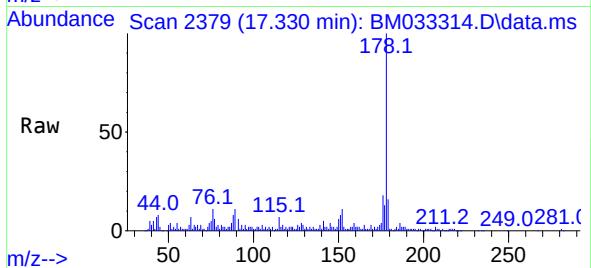
Tgt Ion:188 Resp: 642500  
Ion Ratio Lower Upper  
188 100  
94 11.5 6.3 9.5#  
80 13.2 7.3 10.9#





#71  
Phenanthrene  
Concen: 3.828 ng  
RT: 17.330 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BM033314.D  
Acq: 06 Dec 2021 16:11

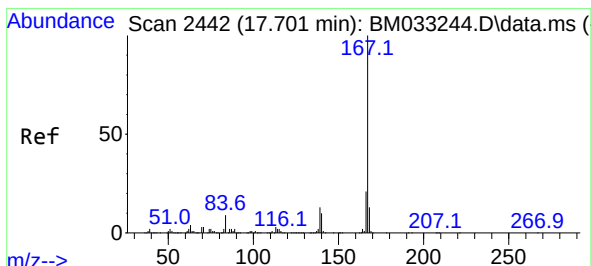
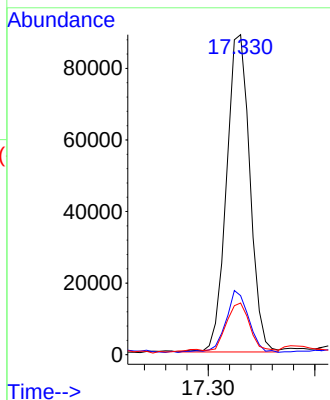
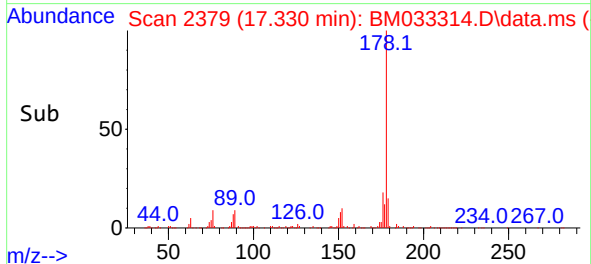
Instrument :  
BNA\_M  
ClientSampleId :  
MW-39



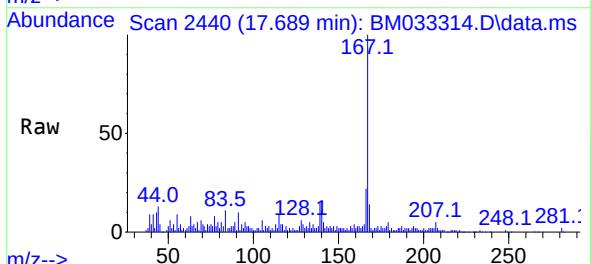
Tgt Ion:178 Resp: 13518  
Ion Ratio Lower Upper  
178 100  
176 18.4 15.6 23.4  
179 16.2 12.4 18.6

Manual Integrations  
APPROVED

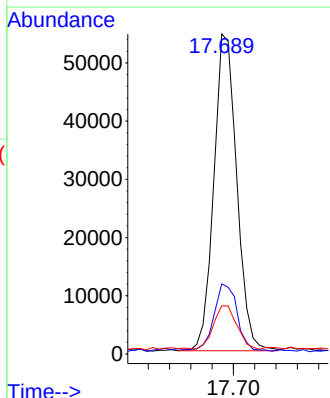
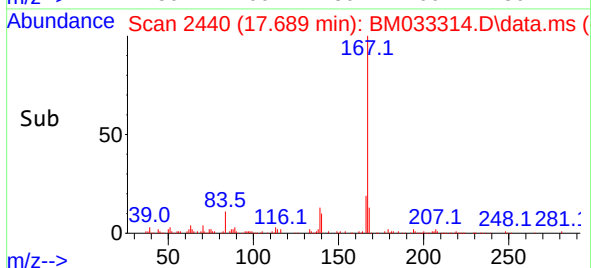
Reviewed By :Jagrut Upadhyay 12/07/2021  
Supervised By :Sohil Jodhani 12/10/2021

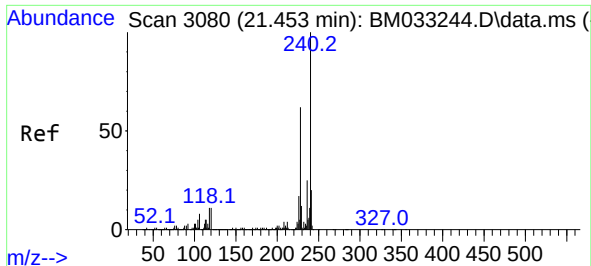


#73  
Carbazole  
Concen: 2.397 ng  
RT: 17.689 min Scan# 2440  
Delta R.T. -0.012 min  
Lab File: BM033314.D  
Acq: 06 Dec 2021 16:11



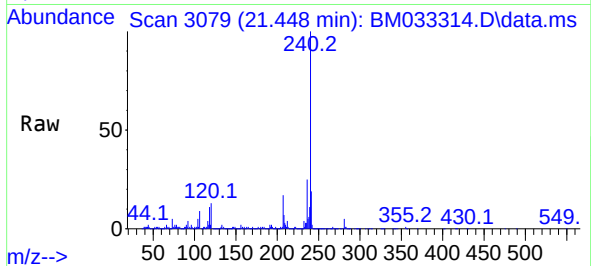
Tgt Ion:167 Resp: 81252  
Ion Ratio Lower Upper  
167 100  
166 21.9 17.4 26.0  
139 15.1 11.9 17.9





#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.448 min Scan# 30  
Delta R.T. -0.006 min  
Lab File: BM033314.D  
Acq: 06 Dec 2021 16:11

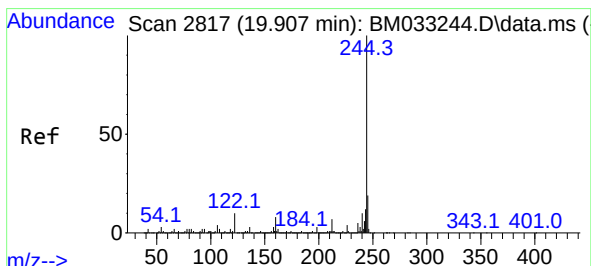
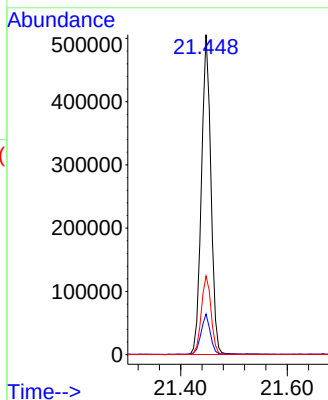
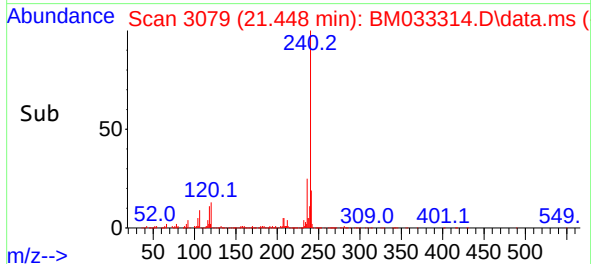
Instrument :  
BNA\_M  
ClientSampleId :  
MW-39



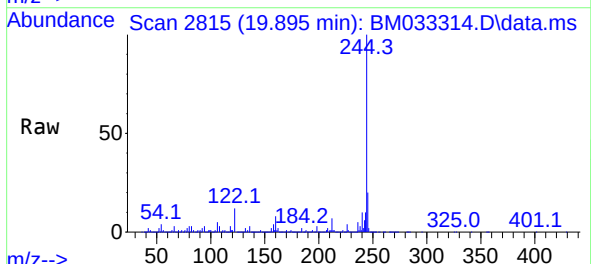
Tgt Ion:240 Resp: 623228  
Ion Ratio Lower Upper  
240 100  
120 12.7 7.8 11.6  
236 24.6 20.9 31.3

Manual Integrations  
APPROVED

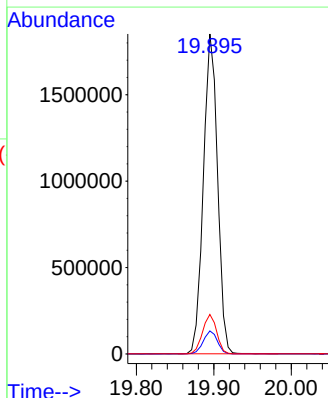
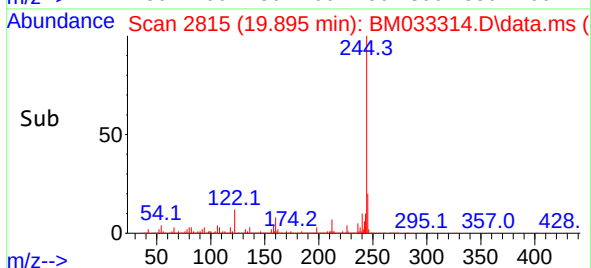
Reviewed By :Jagrut Upadhyay 12/07/2021  
Supervised By :Sohil Jodhani 12/10/2021

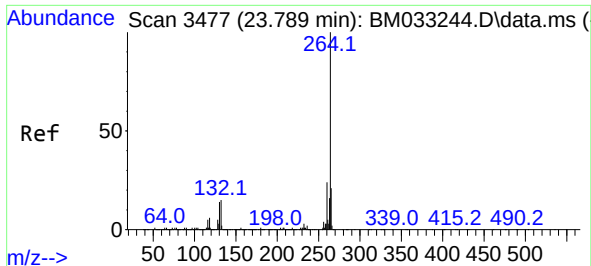


#79  
Terphenyl-d14  
Concen: 74.284 ng  
RT: 19.895 min Scan# 2815  
Delta R.T. -0.012 min  
Lab File: BM033314.D  
Acq: 06 Dec 2021 16:11



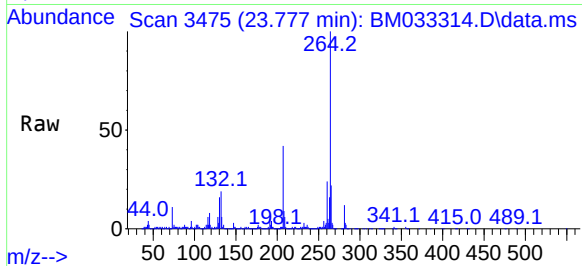
Tgt Ion:244 Resp: 2341264  
Ion Ratio Lower Upper  
244 100  
212 7.2 6.5 9.7  
122 12.3 8.7 13.1





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.777 min Scan# 34  
 Delta R.T. -0.012 min  
 Lab File: BM033314.D  
 Acq: 06 Dec 2021 16:11

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MW-39



Tgt Ion:264 Resp: 646789  
 Ion Ratio Lower Upper  
 264 100  
 260 24.1 19.3 28.9  
 265 22.2 18.3 27.5

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 12/07/2021  
 Supervised By :Sohil Jodhani 12/10/2021

