

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102221\  
 Data File : BM032677.D  
 Acq On : 22 Oct 2021 16:08  
 Operator : CG/JU  
 Sample : M4313-03  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 3990

Manual Integrations  
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Quant Time: Oct 22 17:49:25 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM100221.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 22 11:30:44 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.542  | 152  | 231504   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.331 | 136  | 936578   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.201 | 164  | 550407   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 16.936 | 188  | 993817   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.112 | 240  | 705749   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 23.253 | 264  | 715385   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.131  | 112  | 1413848  | 102.901 | ng    | 0.00     |
| 7) Phenol-d6                | 6.748  | 99   | 1783825  | 94.938  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.695  | 82   | 1115897  | 66.266  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.695 | 330  | 534622   | 86.764  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.813 | 172  | 2341313  | 63.247  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.565 | 244  | 2345801  | 70.001  | ng    | 0.00     |
| Target Compounds            |        |      |          |         |       |          |
|                             |        |      |          |         |       | Qvalue   |
| 78) Pyrene                  | 19.353 | 202  | 137745   | 2.878   | ng    | 99       |
| 81) Benzo(a)anthracene      | 21.100 | 228  | 203884   | 4.622   | ng    | 99       |
| 83) Chrysene                | 21.147 | 228  | 291709   | 6.835   | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene  | 25.353 | 276  | 144383   | 3.275   | ng    | 98       |
| 88) Benzo(b)fluoranthene    | 22.618 | 252  | 440333m  | 10.119  | ng    |          |
| 89) Benzo(k)fluoranthene    | 22.653 | 252  | 108575m  | 2.554   | ng    |          |
| 90) Benzo(a)pyrene          | 23.159 | 252  | 217812   | 6.172   | ng    | # 95     |
| 92) Benzo(g,h,i)perylene    | 26.000 | 276  | 129957   | 3.537   | ng    | # 93     |
| -----                       |        |      |          |         |       |          |

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

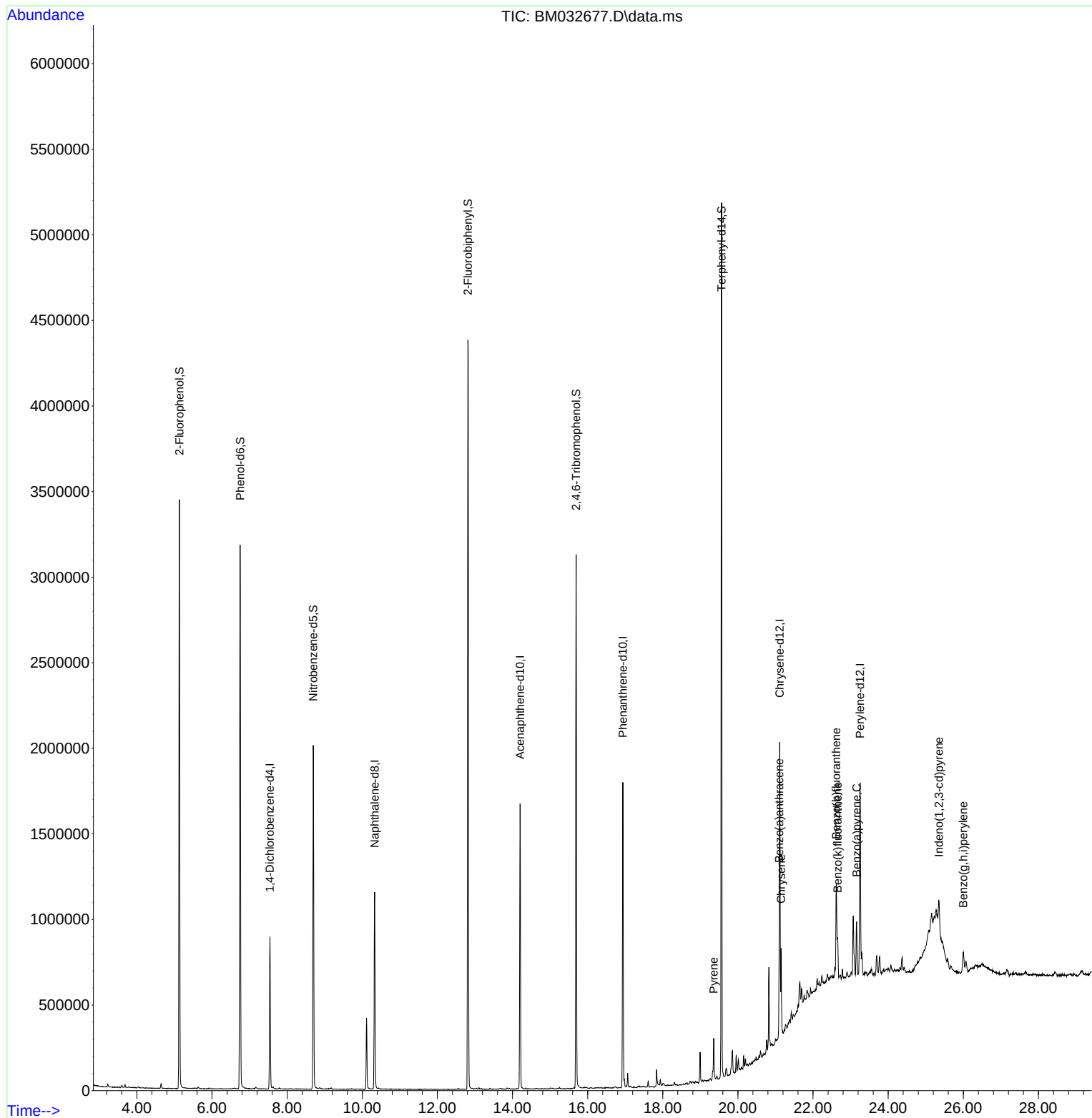
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102221\  
Data File : BM032677.D  
Acq On : 22 Oct 2021 16:08  
Operator : CG/JU  
Sample : M4313-03  
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ALS Vial : 12 Sample Multiplier: 1

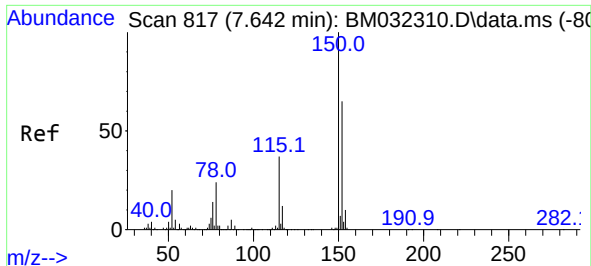
Instrument :  
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ClientSampleId :  
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Quant Time: Oct 22 17:49:25 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM100221.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 22 11:30:44 2021  
Response via : Initial Calibration





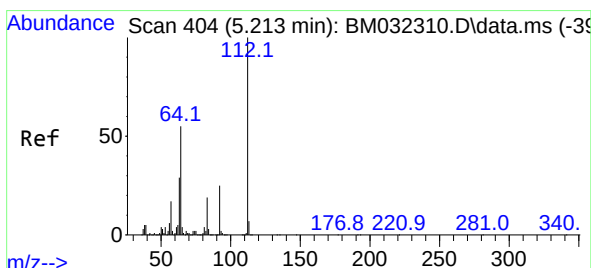
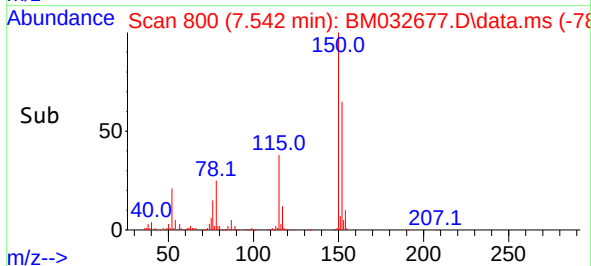
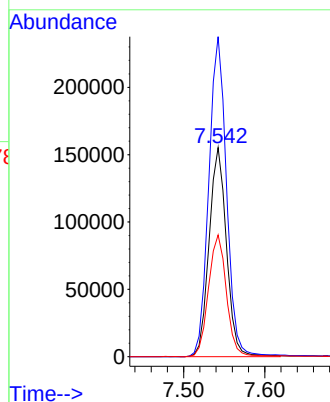
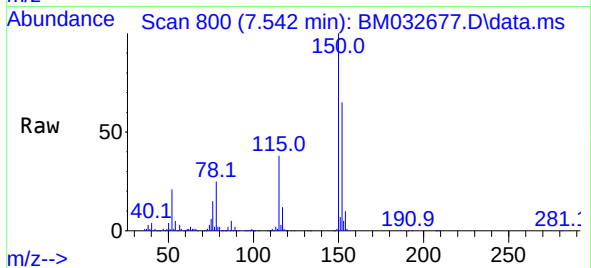
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.542 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: BM032677.D  
Acq: 22 Oct 2021 16:08

Tgt Ion:152 Resp: 231504  
Ion Ratio Lower Upper  
152 100  
150 153.0 122.4 183.6  
115 58.2 53.8 80.8

Instrument :  
BNA\_M  
ClientSampled :  
3990

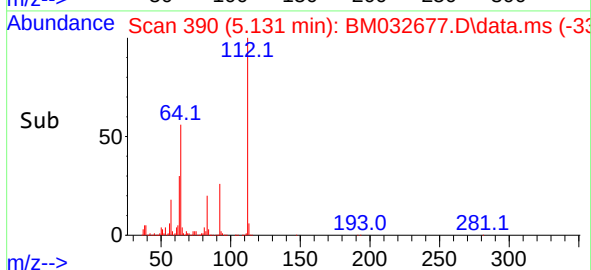
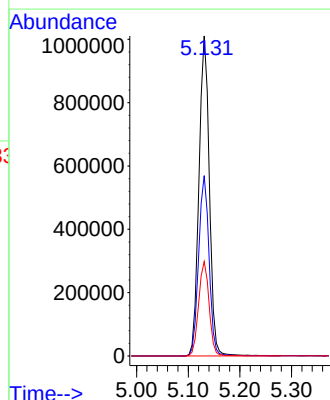
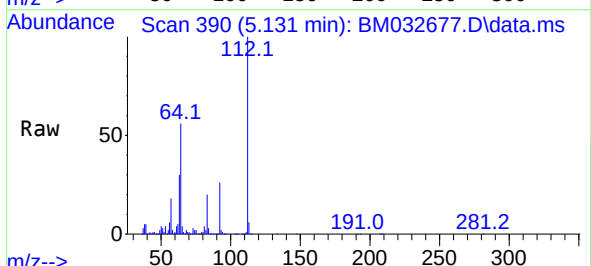
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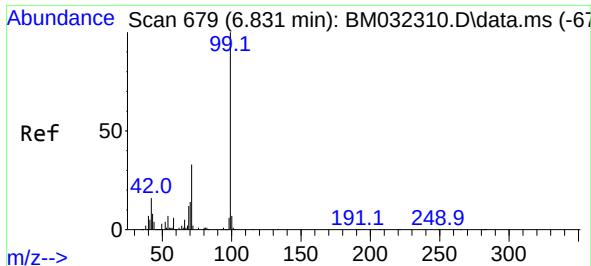
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#5  
2-Fluorophenol  
Concen: 102.901 ng  
RT: 5.131 min Scan# 390  
Delta R.T. 0.006 min  
Lab File: BM032677.D  
Acq: 22 Oct 2021 16:08

Tgt Ion:112 Resp: 1413848  
Ion Ratio Lower Upper  
112 100  
64 56.3 53.7 80.5  
63 29.5 33.9 50.9#





#7  
Phenol-d6  
Concen: 94.938 ng  
RT: 6.748 min Scan# 665  
Delta R.T. 0.000 min  
Lab File: BM032677.D  
Acq: 22 Oct 2021 16:08

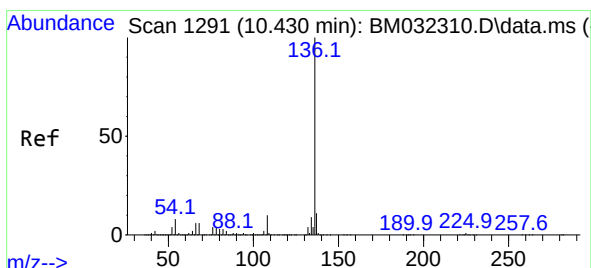
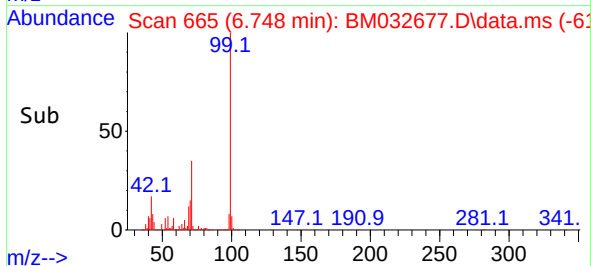
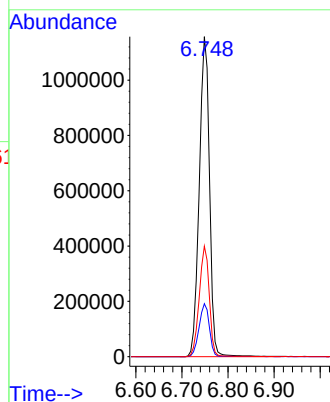
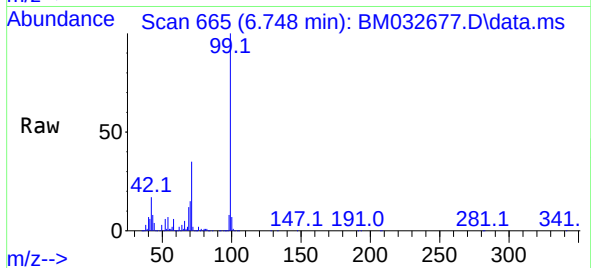
Tgt Ion: 99 Resp: 1783825

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.6  | 23.0  | 34.6# |
| 71  | 34.6  | 37.8  | 56.8# |

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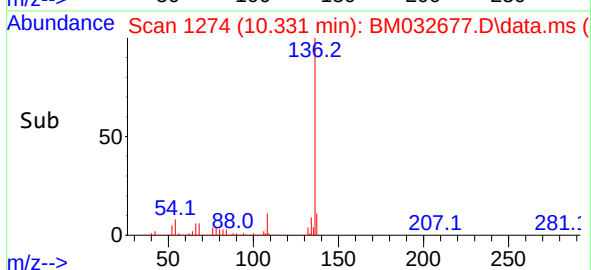
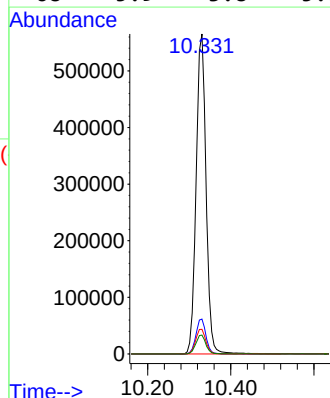
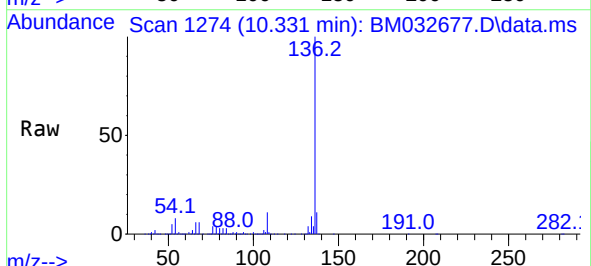
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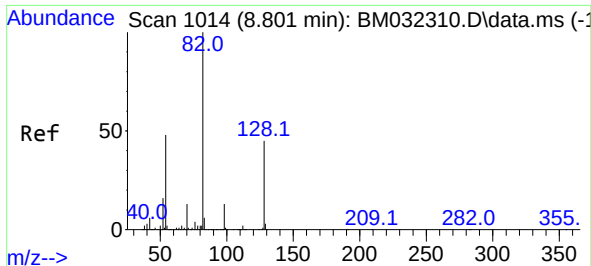


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.331 min Scan# 1274  
Delta R.T. 0.000 min  
Lab File: BM032677.D  
Acq: 22 Oct 2021 16:08

Tgt Ion: 136 Resp: 936578

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.7   | 13.1  |
| 54  | 7.7   | 7.4   | 11.0  |
| 68  | 5.9   | 3.8   | 5.8#  |





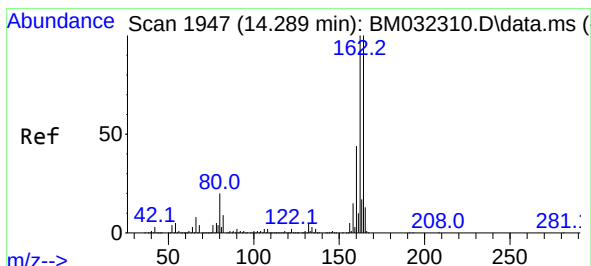
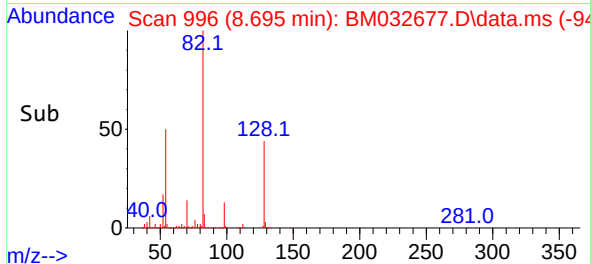
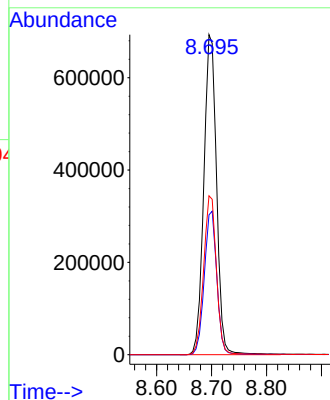
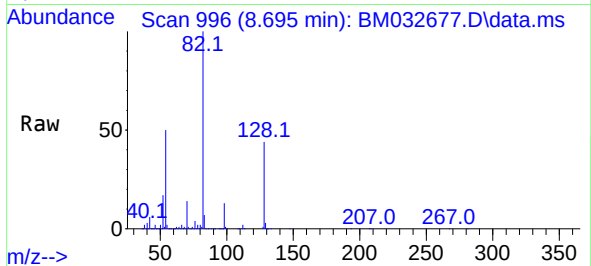
#23  
Nitrobenzene-d5  
Concen: 66.266 ng  
RT: 8.695 min Scan# 996  
Delta R.T. -0.006 min  
Lab File: BM032677.D  
Acq: 22 Oct 2021 16:08

Tgt Ion: 82 Resp: 1115897  
Ion Ratio Lower Upper  
82 100  
128 43.7 29.0 43.6#  
54 49.7 45.8 68.8

Instrument :  
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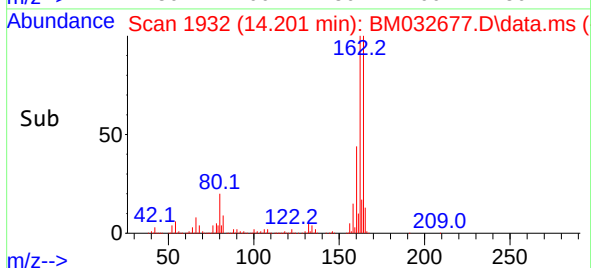
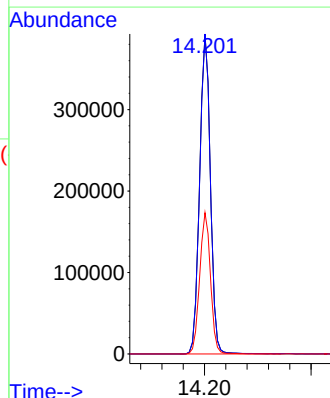
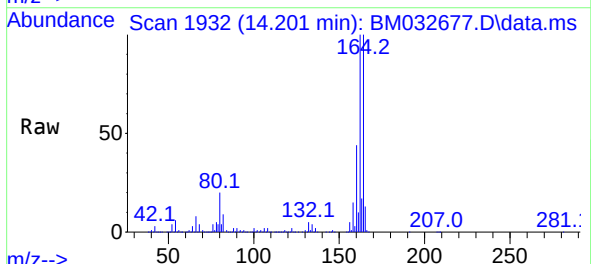
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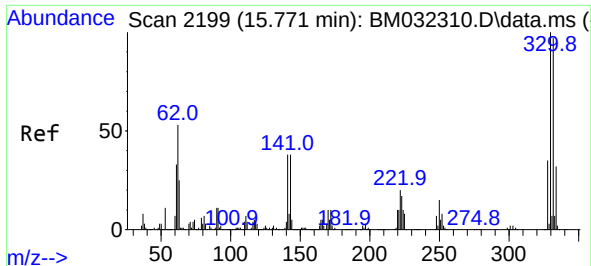
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#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.201 min Scan# 1932  
Delta R.T. -0.006 min  
Lab File: BM032677.D  
Acq: 22 Oct 2021 16:08

Tgt Ion:164 Resp: 550407  
Ion Ratio Lower Upper  
164 100  
162 100.2 80.6 121.0  
160 44.3 35.1 52.7





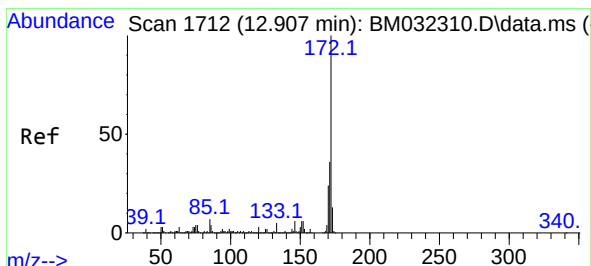
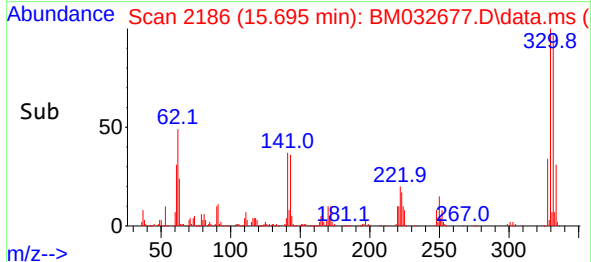
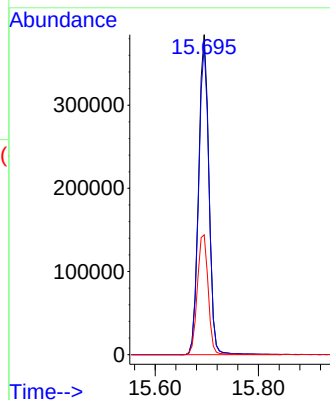
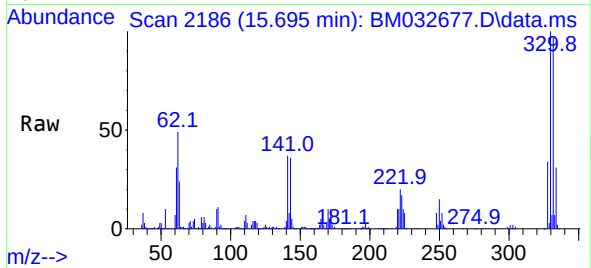
#42  
2,4,6-Tribromophenol  
Concen: 86.764 ng  
RT: 15.695 min Scan# 2186  
Delta R.T. 0.000 min  
Lab File: BM032677.D  
Acq: 22 Oct 2021 16:08

Tgt Ion:330 Resp: 534622  
Ion Ratio Lower Upper  
330 100  
332 96.5 75.7 113.5  
141 39.1 50.7 76.1#

Instrument :  
BNA\_M  
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3990

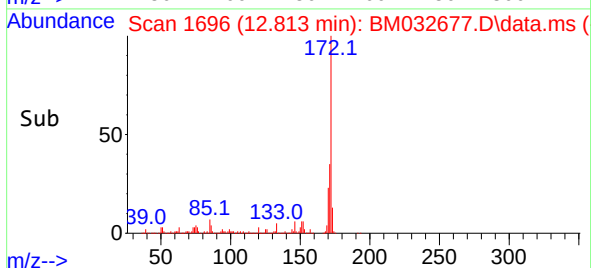
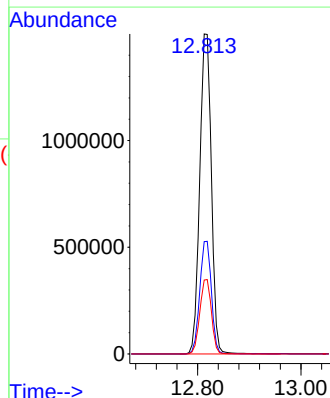
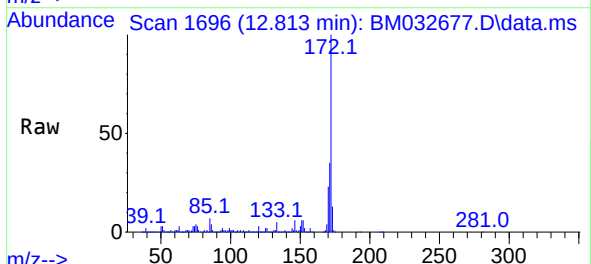
Manual Integrations  
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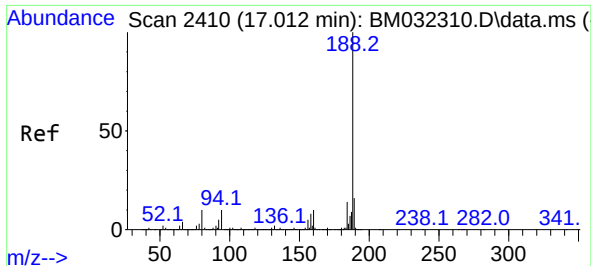
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#45  
2-Fluorobiphenyl  
Concen: 63.247 ng  
RT: 12.813 min Scan# 1696  
Delta R.T. -0.006 min  
Lab File: BM032677.D  
Acq: 22 Oct 2021 16:08

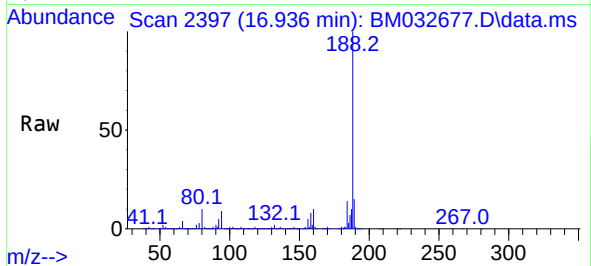
Tgt Ion:172 Resp: 2341313  
Ion Ratio Lower Upper  
172 100  
171 35.1 28.1 42.1  
170 23.1 18.6 27.8





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.936 min Scan# 2397  
Delta R.T. 0.000 min  
Lab File: BM032677.D  
Acq: 22 Oct 2021 16:08

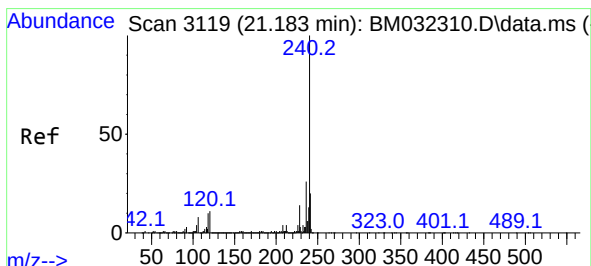
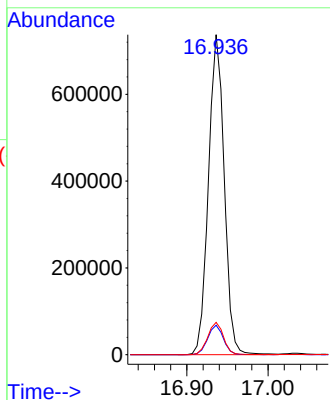
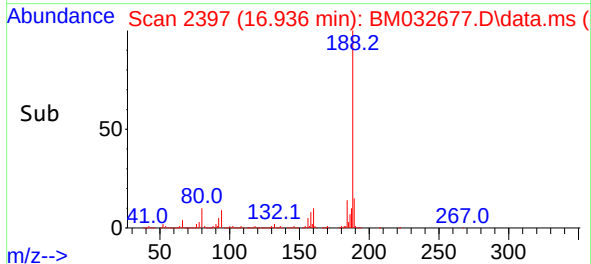
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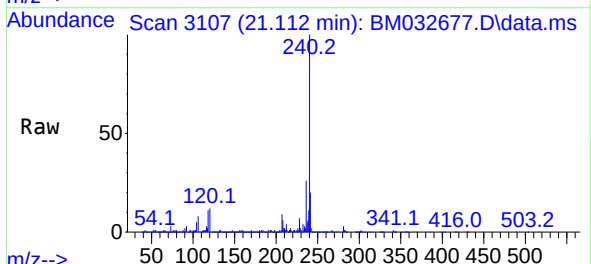
Tgt Ion:188 Resp: 993817  
Ion Ratio Lower Upper  
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94 9.2 6.3 9.5  
80 10.1 7.3 10.9

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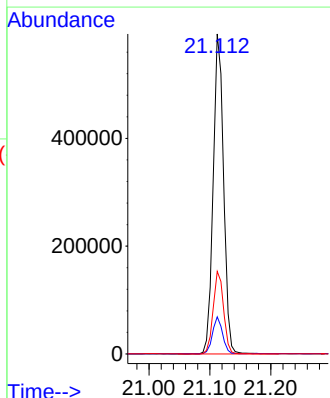
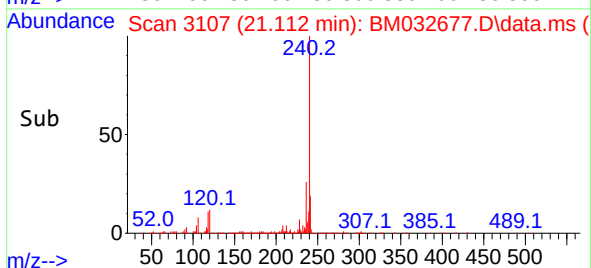
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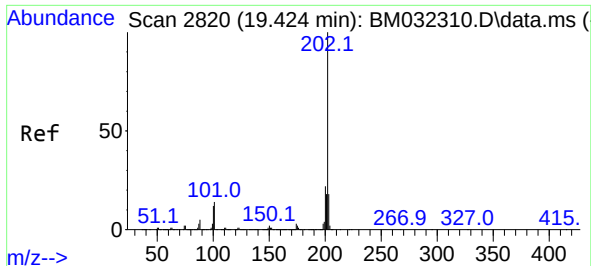


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.112 min Scan# 3107  
Delta R.T. -0.006 min  
Lab File: BM032677.D  
Acq: 22 Oct 2021 16:08



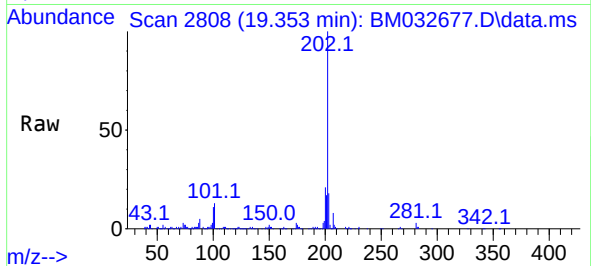
Tgt Ion:240 Resp: 705749  
Ion Ratio Lower Upper  
240 100  
120 11.6 7.8 11.6  
236 25.8 20.9 31.3





#78  
Pyrene  
Concen: 2.878 ng  
RT: 19.353 min Scan# 2808  
Delta R.T. -0.006 min  
Lab File: BM032677.D  
Acq: 22 Oct 2021 16:08

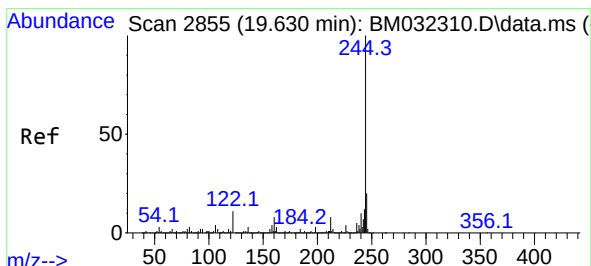
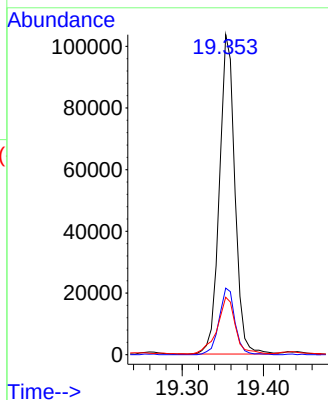
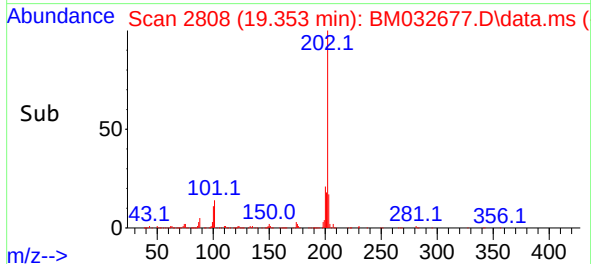
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ClientSampled :  
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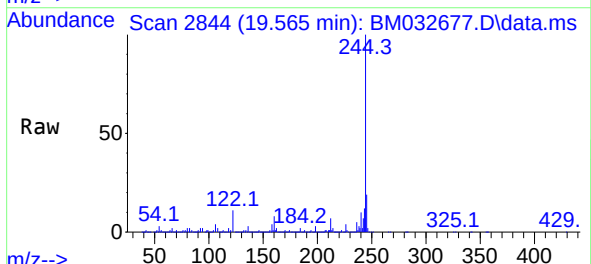
Tgt Ion:202 Resp: 137745  
Ion Ratio Lower Upper  
202 100  
200 20.8 16.6 25.0  
203 17.9 13.7 20.5

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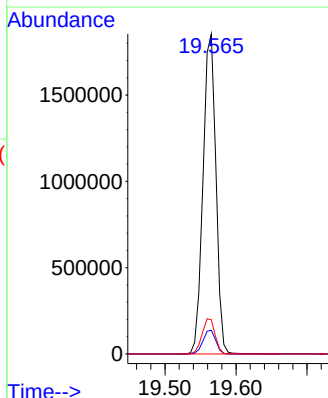
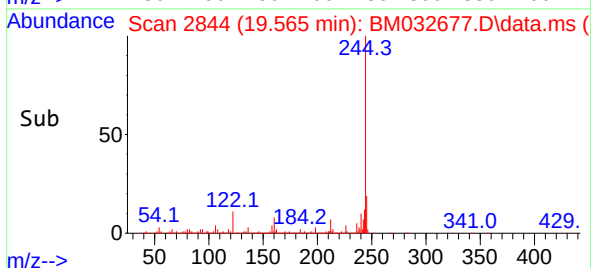
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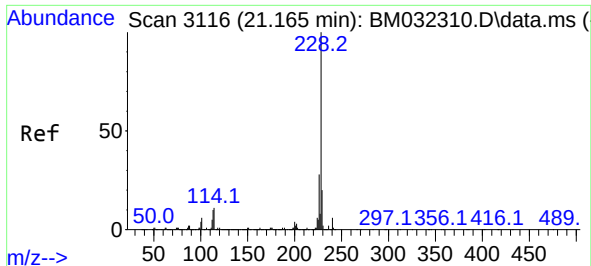
#79  
Terphenyl-d14  
Concen: 70.001 ng  
RT: 19.565 min Scan# 2844  
Delta R.T. 0.000 min  
Lab File: BM032677.D  
Acq: 22 Oct 2021 16:08



Tgt Ion:244 Resp: 2345801  
Ion Ratio Lower Upper  
244 100  
212 7.4 6.5 9.7  
122 10.7 8.7 13.1







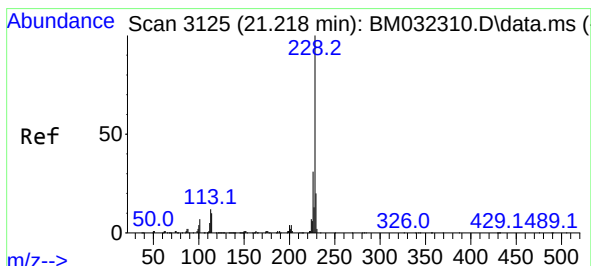
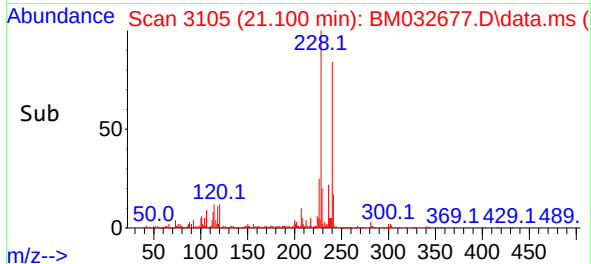
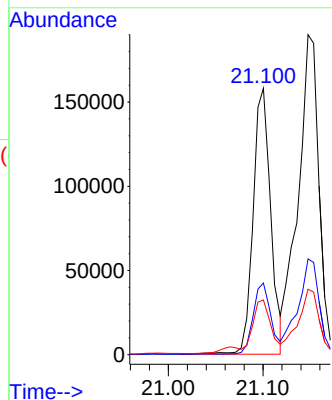
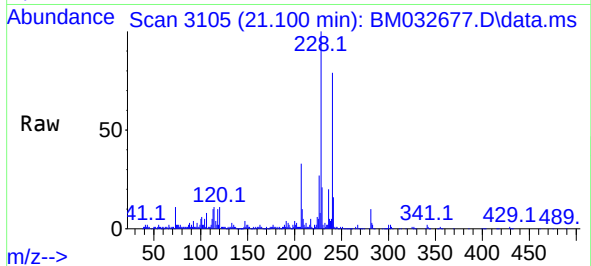
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Benzo(a)anthracene  
Concen: 4.622 ng  
RT: 21.100 min Scan# 3105  
Delta R.T. 0.000 min  
Lab File: BM032677.D  
Acq: 22 Oct 2021 16:08

Tgt Ion:228 Resp: 203884  
Ion Ratio Lower Upper  
228 100  
226 26.9 21.4 32.2  
229 20.5 15.3 22.9

Instrument :  
BNA\_M  
ClientSampled :  
3990

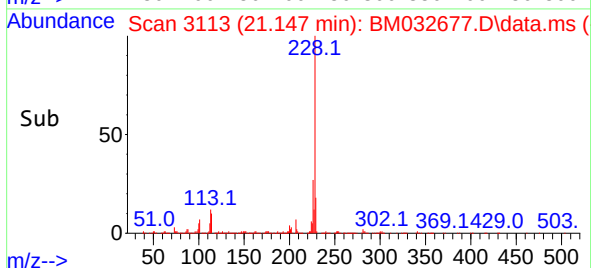
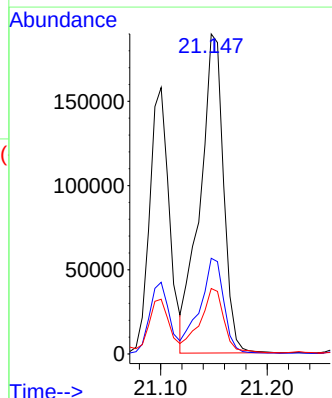
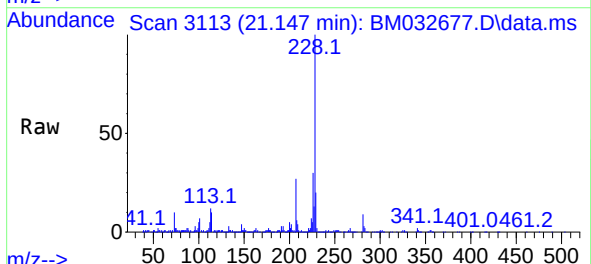
Manual Integrations  
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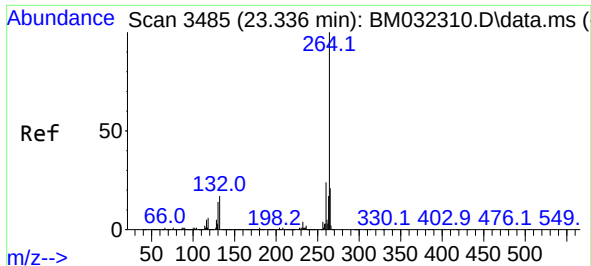
mohammad  
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#83  
Chrysene  
Concen: 6.835 ng  
RT: 21.147 min Scan# 3113  
Delta R.T. -0.006 min  
Lab File: BM032677.D  
Acq: 22 Oct 2021 16:08

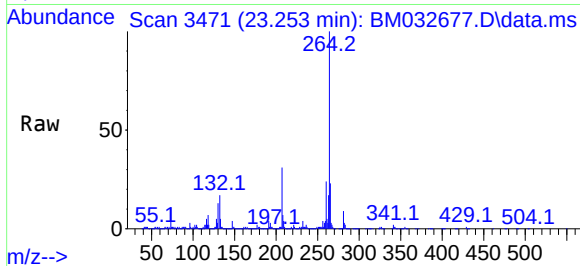
Tgt Ion:228 Resp: 291709  
Ion Ratio Lower Upper  
228 100  
226 29.9 24.0 36.0  
229 20.4 16.0 24.0





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.253 min Scan# 3471  
Delta R.T. 0.000 min  
Lab File: BM032677.D  
Acq: 22 Oct 2021 16:08

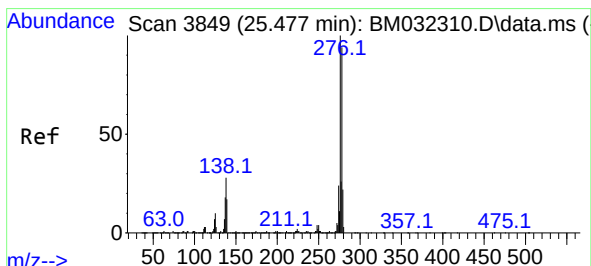
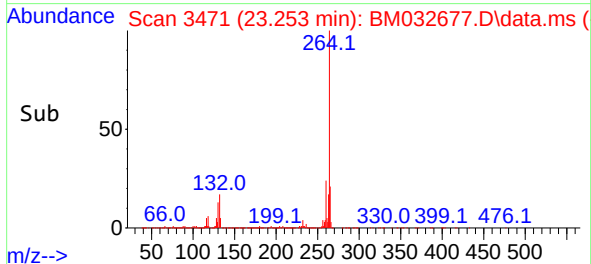
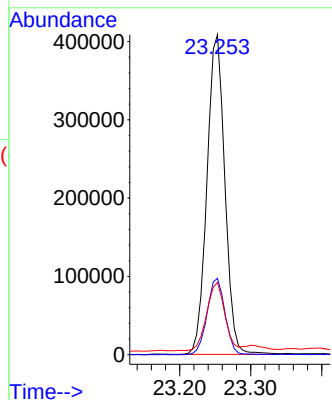
Instrument :  
BNA\_M  
ClientSampled :  
3990



Tgt Ion:264 Resp: 715385  
Ion Ratio Lower Upper  
264 100  
260 23.9 19.3 28.9  
265 22.5 18.3 27.5

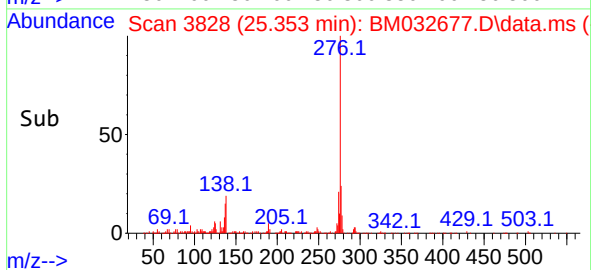
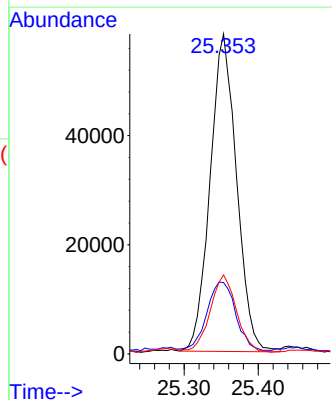
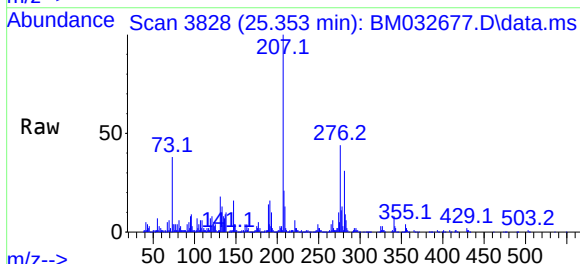
Manual Integrations  
APPROVED

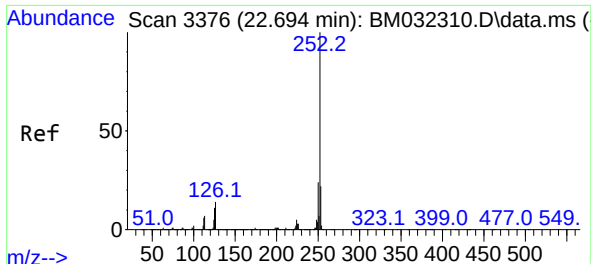
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#87  
Indeno(1,2,3-cd)pyrene  
Concen: 3.275 ng  
RT: 25.353 min Scan# 3828  
Delta R.T. -0.012 min  
Lab File: BM032677.D  
Acq: 22 Oct 2021 16:08

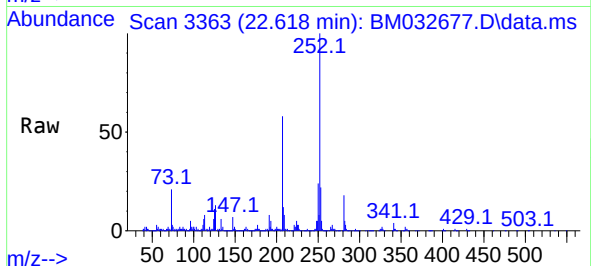
Tgt Ion:276 Resp: 144383  
Ion Ratio Lower Upper  
276 100  
138 23.7 18.4 27.6  
277 24.0 20.1 30.1





#88  
Benzo(b)fluoranthene  
Concen: 10.119 ng m  
RT: 22.618 min Scan# 3363  
Delta R.T. 0.000 min  
Lab File: BM032677.D  
Acq: 22 Oct 2021 16:08

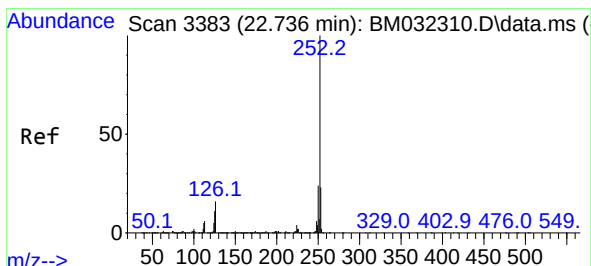
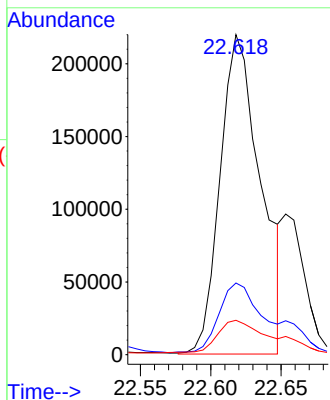
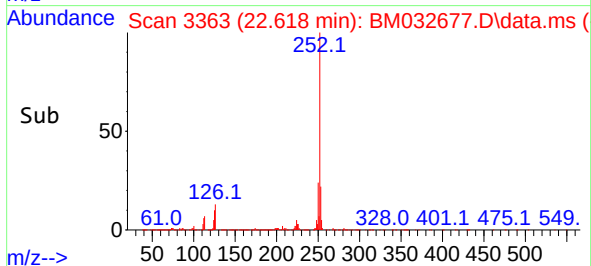
Instrument :  
BNA\_M  
ClientSampled :  
3990



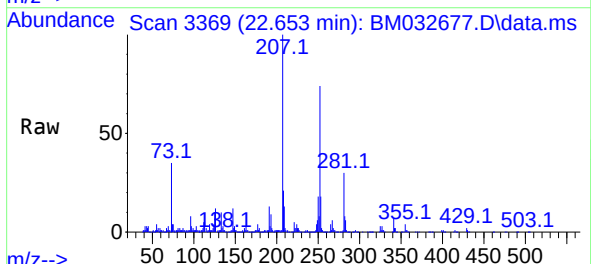
Tgt Ion:252 Resp: 440333  
Ion Ratio Lower Upper  
252 100  
253 22.4 18.0 27.0  
125 10.8 7.5 11.3

Manual Integrations  
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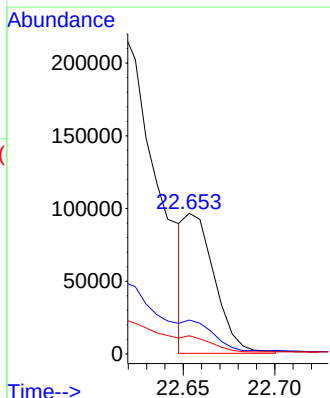
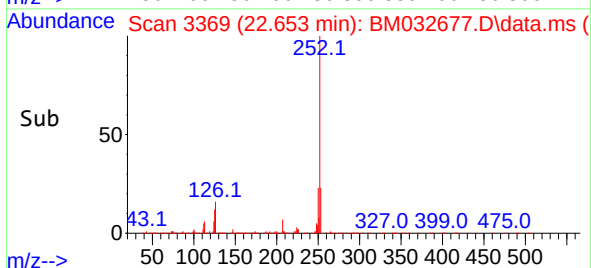
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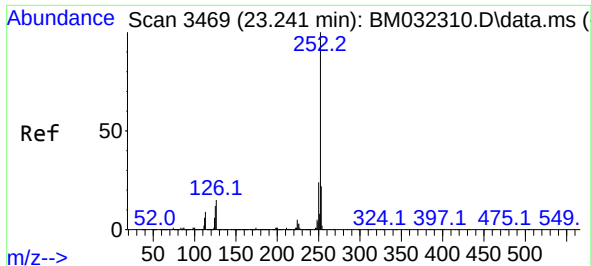


#89  
Benzo(k)fluoranthene  
Concen: 2.554 ng m  
RT: 22.653 min Scan# 3369  
Delta R.T. -0.006 min  
Lab File: BM032677.D  
Acq: 22 Oct 2021 16:08



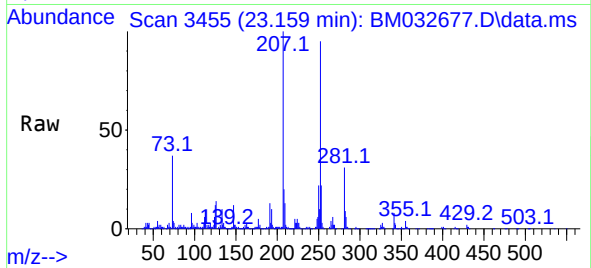
Tgt Ion:252 Resp: 108575  
Ion Ratio Lower Upper  
252 100  
253 24.2 17.3 25.9  
125 13.0 7.5 11.3#





#90  
Benzo(a)pyrene  
Concen: 6.172 ng  
RT: 23.159 min Scan# 3455  
Delta R.T. 0.000 min  
Lab File: BM032677.D  
Acq: 22 Oct 2021 16:08

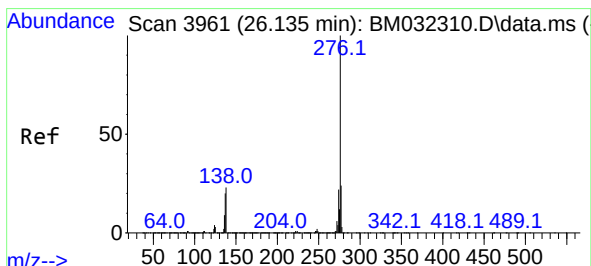
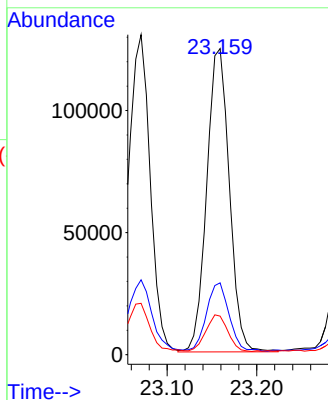
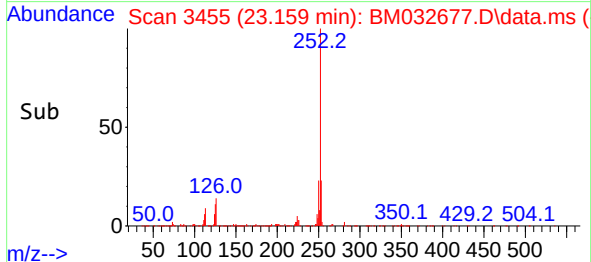
Instrument :  
BNA\_M  
ClientSampled :  
3990



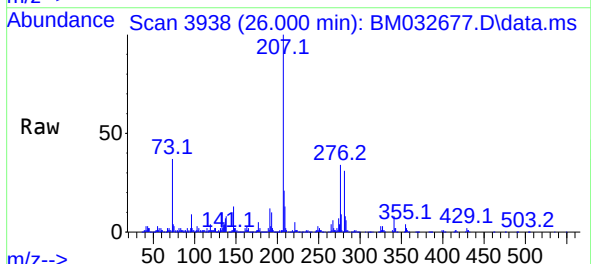
Tgt Ion:252 Resp: 217812  
Ion Ratio Lower Upper  
252 100  
253 23.5 17.4 26.2  
125 12.6 8.1 12.1#

Manual Integrations  
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#92  
Benzo(g,h,i)perylene  
Concen: 3.537 ng  
RT: 26.000 min Scan# 3938  
Delta R.T. -0.006 min  
Lab File: BM032677.D  
Acq: 22 Oct 2021 16:08



Tgt Ion:276 Resp: 129957  
Ion Ratio Lower Upper  
276 100  
277 25.9 19.4 29.0  
138 23.4 14.6 22.0#

