

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM082021\  
 Data File : BM031839.D  
 Acq On : 20 Aug 2021 13:23  
 Operator : CG/JU  
 Sample : M3434-03  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SWCS-11-0205

Manual Integrations  
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Quant Time: Aug 20 14:43:56 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM081621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 18 14:13:35 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.534  | 152  | 45959    | 20.000 | ng    | # 0.00   |
| 21) Naphthalene-d8          | 10.292 | 136  | 177391   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.169 | 164  | 99282    | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 16.927 | 188  | 194238   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.127 | 240  | 189183   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 23.274 | 264  | 198690   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.175  | 112  | 279930   | 97.758 | ng    | 0.00     |
| 7) Phenol-d6                | 6.734  | 99   | 335935   | 80.962 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.687  | 82   | 238653   | 56.331 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.674 | 330  | 95517    | 78.114 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.780 | 172  | 418919   | 56.162 | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.574 | 244  | 569232   | 50.696 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 16.968 | 178  | 32758    | 2.765  | ng    | 98       |
| 75) Fluoranthene            | 18.992 | 202  | 75988    | 5.355  | ng    | 98       |
| 78) Pyrene                  | 19.357 | 202  | 77075    | 5.624  | ng    | 97       |
| 81) Benzo(a)anthracene      | 21.115 | 228  | 42937    | 3.099  | ng    | # 86     |
| 83) Chrysene                | 21.162 | 228  | 49194    | 3.642  | ng    | # 96     |
| 88) Benzo(b)fluoranthene    | 22.645 | 252  | 61751m   | 4.139  | ng    |          |
| 90) Benzo(a)pyrene          | 23.180 | 252  | 42064    | 3.185  | ng    | # 94     |
| 92) Benzo(g,h,i)perylene    | 26.038 | 276  | 31239    | 2.786  | ng    | # 86     |
| -----                       |        |      |          |        |       |          |

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

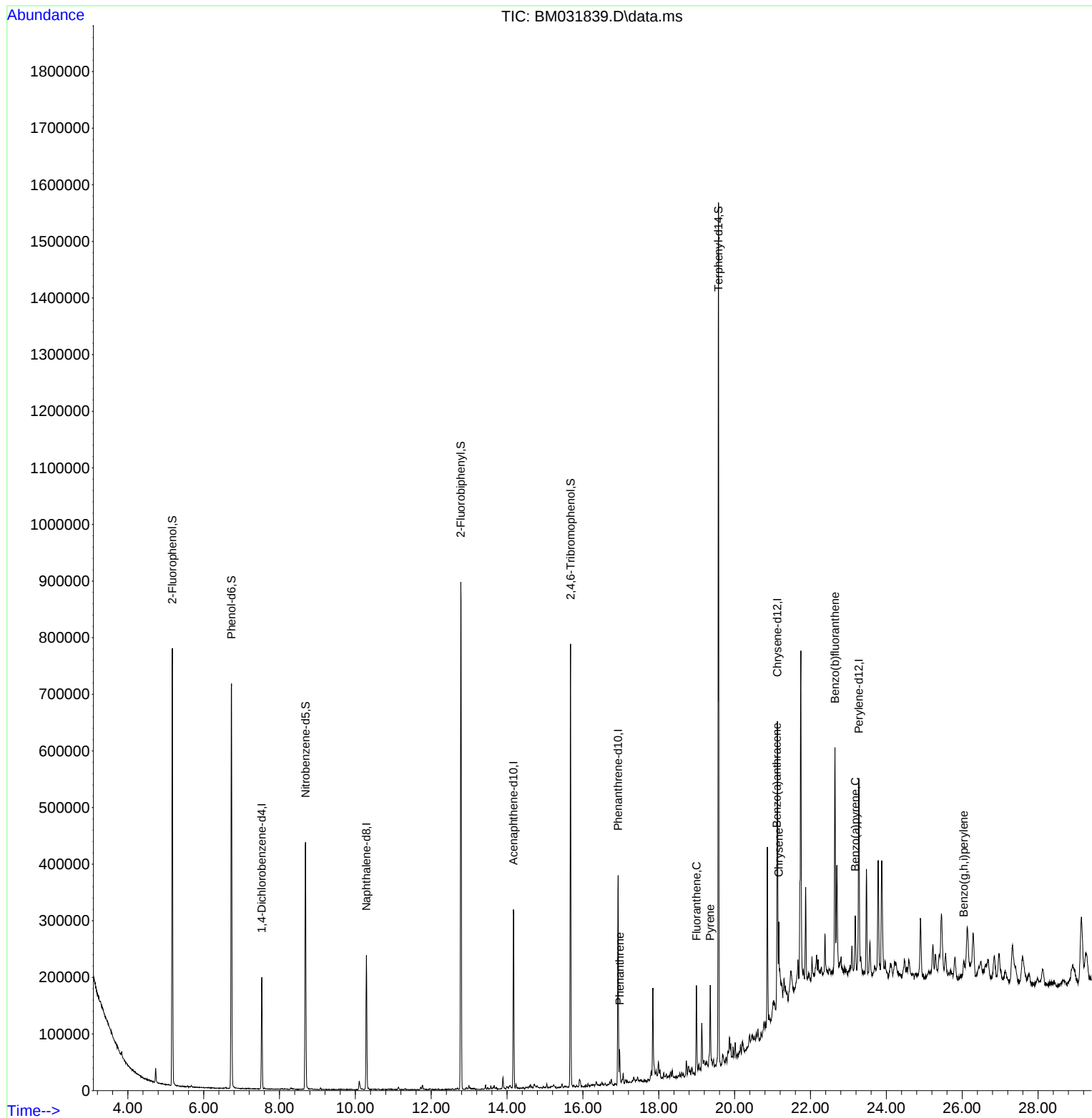
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM082021\  
Data File : BM031839.D  
Acq On : 20 Aug 2021 13:23  
Operator : CG/JU  
Sample : M3434-03  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

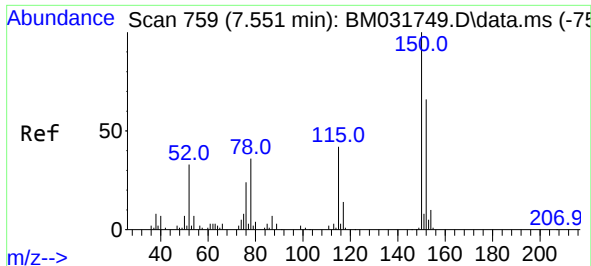
Instrument :  
BNA\_M  
ClientSampleId :  
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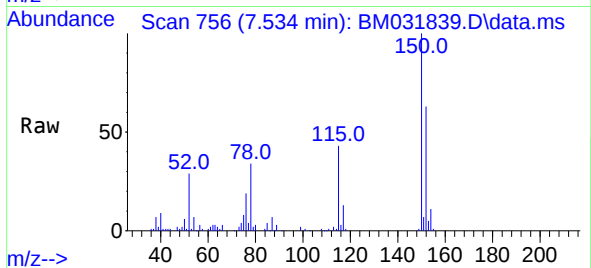
Quant Time: Aug 20 14:43:56 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM081621.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 18 14:13:35 2021  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.534 min Scan# 756  
Delta R.T. -0.006 min  
Lab File: BM031839.D  
Acq: 20 Aug 2021 13:23

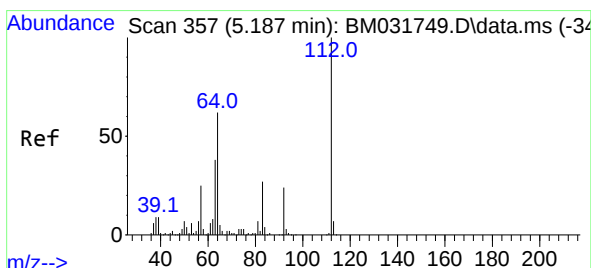
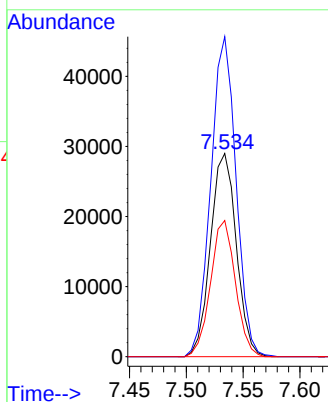
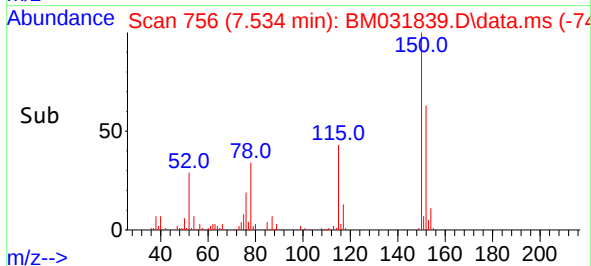
Instrument :  
BNA\_M  
ClientSampleId :  
SWCS-11-0205



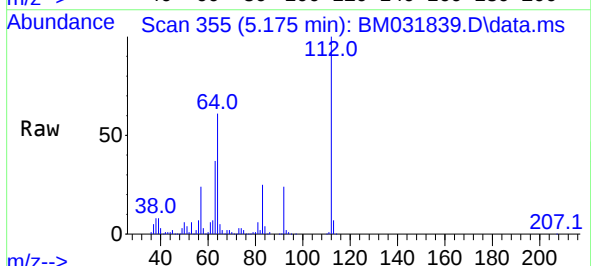
Tgt Ion:152 Resp: 45959  
Ion Ratio Lower Upper  
152 100  
150 157.5 125.9 188.9  
115 67.1 44.6 67.0#

Manual Integrations  
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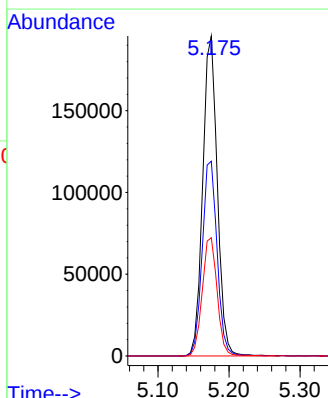
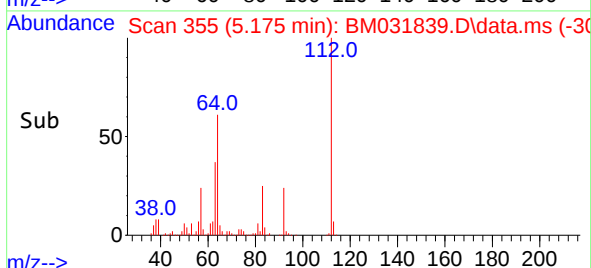
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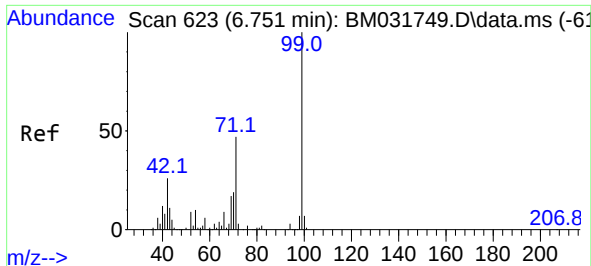


#5  
2-Fluorophenol  
Concen: 97.758 ng  
RT: 5.175 min Scan# 355  
Delta R.T. 0.000 min  
Lab File: BM031839.D  
Acq: 20 Aug 2021 13:23



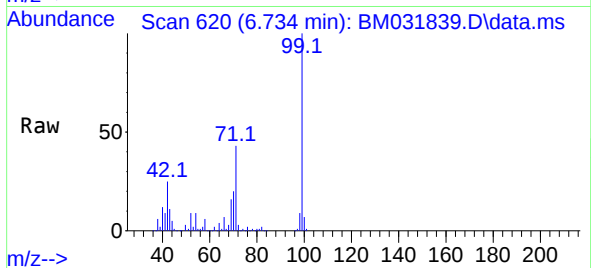
Tgt Ion:112 Resp: 279930  
Ion Ratio Lower Upper  
112 100  
64 60.9 47.1 70.7  
63 37.0 27.3 40.9





#7  
Phenol-d6  
Concen: 80.962 ng  
RT: 6.734 min Scan# 620  
Delta R.T. 0.000 min  
Lab File: BM031839.D  
Acq: 20 Aug 2021 13:23

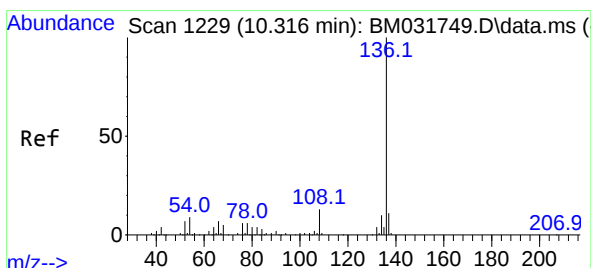
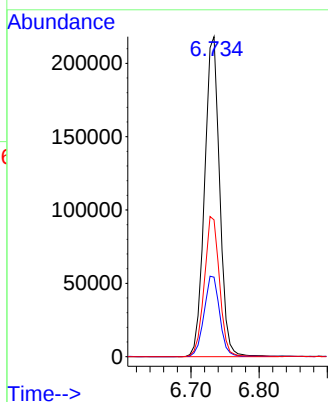
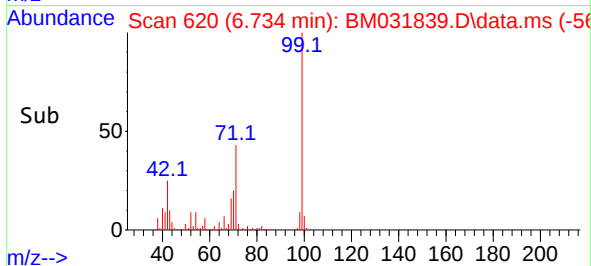
Instrument :  
BNA\_M  
ClientSampleId :  
SWCS-11-0205



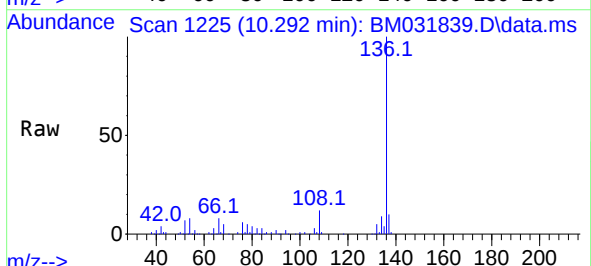
Tgt Ion: 99 Resp: 335935  
Ion Ratio Lower Upper  
99 100  
42 24.8 18.0 27.0  
71 42.7 30.9 46.3

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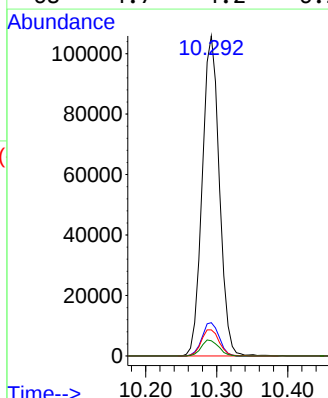
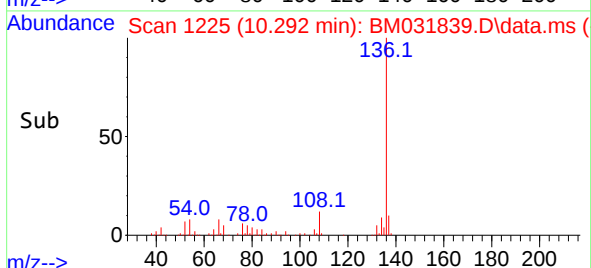
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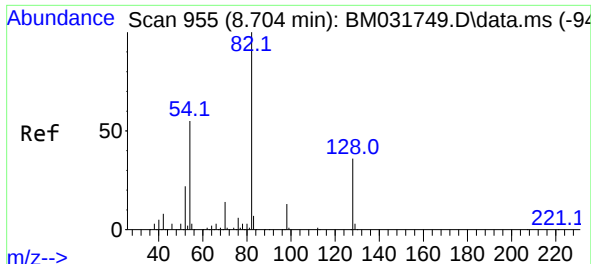


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.292 min Scan# 1225  
Delta R.T. -0.006 min  
Lab File: BM031839.D  
Acq: 20 Aug 2021 13:23



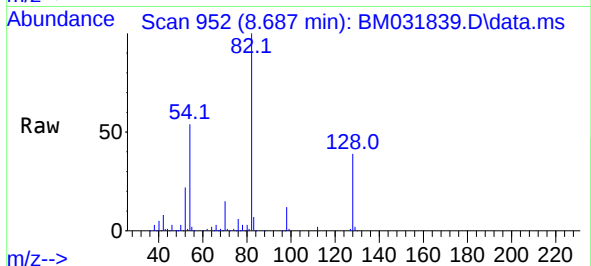
Tgt Ion: 136 Resp: 177391  
Ion Ratio Lower Upper  
136 100  
137 10.4 8.4 12.6  
54 8.2 5.5 8.3  
68 4.7 4.2 6.2





#23  
Nitrobenzene-d5  
Concen: 56.331 ng  
RT: 8.687 min Scan# 952  
Delta R.T. -0.006 min  
Lab File: BM031839.D  
Acq: 20 Aug 2021 13:23

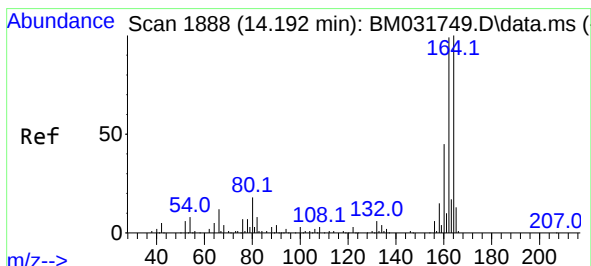
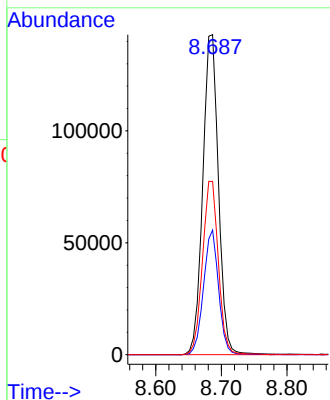
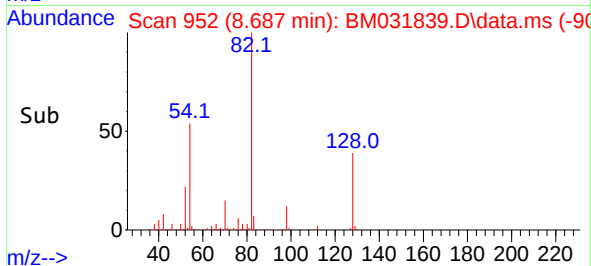
Instrument :  
BNA\_M  
ClientSampleId :  
SWCS-11-0205



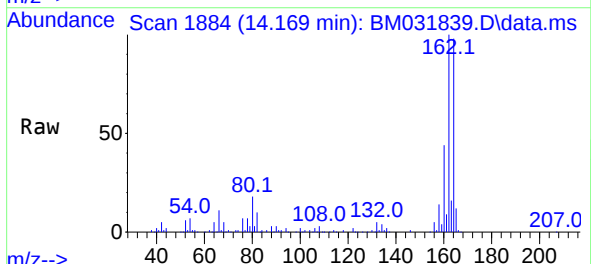
Tgt Ion: 82 Resp: 238653  
Ion Ratio Lower Upper  
82 100  
128 38.9 31.1 46.7  
54 54.2 37.3 55.9

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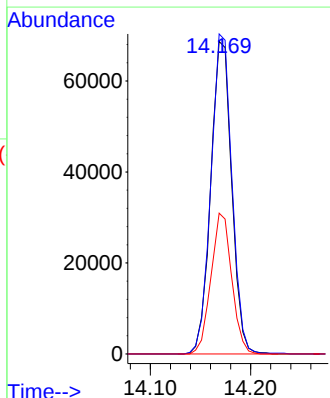
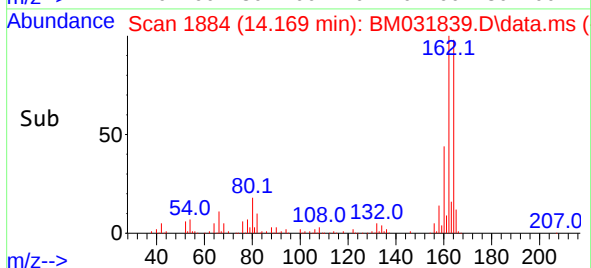
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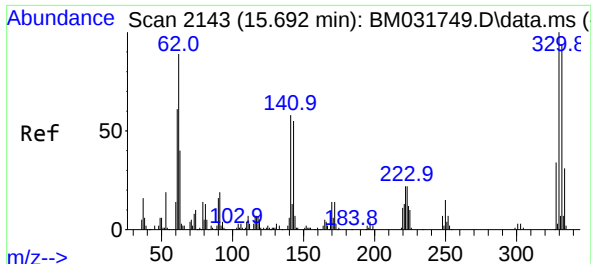


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.169 min Scan# 1884  
Delta R.T. -0.012 min  
Lab File: BM031839.D  
Acq: 20 Aug 2021 13:23



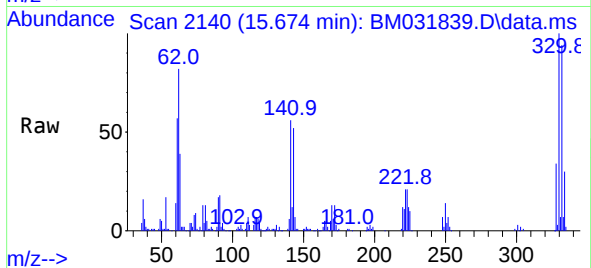
Tgt Ion: 164 Resp: 99282  
Ion Ratio Lower Upper  
164 100  
162 102.4 83.4 125.0  
160 45.1 37.2 55.8





#42  
2,4,6-Tribromophenol  
Concen: 78.114 ng  
RT: 15.674 min Scan# 2140  
Delta R.T. -0.006 min  
Lab File: BM031839.D  
Acq: 20 Aug 2021 13:23

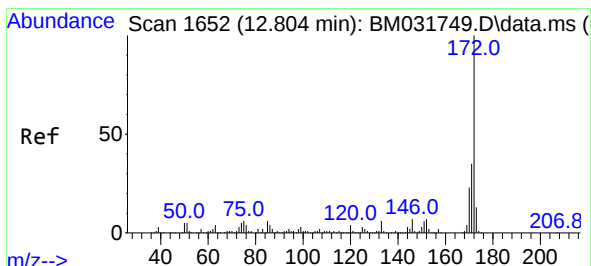
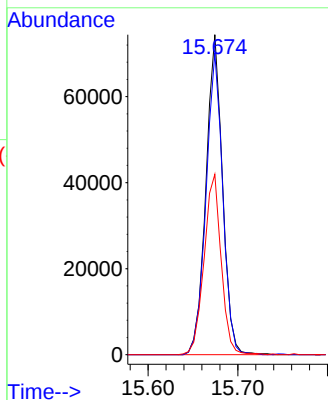
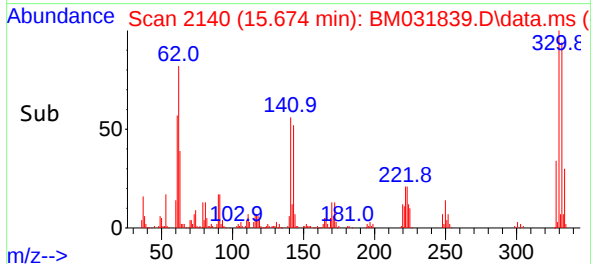
Instrument :  
BNA\_M  
ClientSampleId :  
SWCS-11-0205



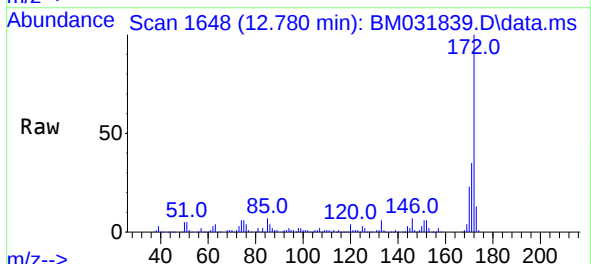
Tgt Ion:330 Resp: 95517  
Ion Ratio Lower Upper  
330 100  
332 95.1 77.0 115.4  
141 58.2 30.2 45.2#

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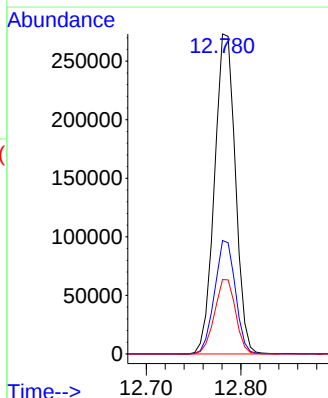
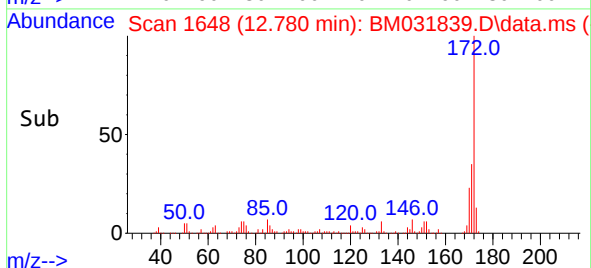
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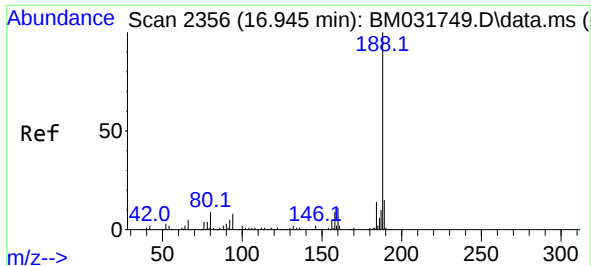


#45  
2-Fluorobiphenyl  
Concen: 56.162 ng  
RT: 12.780 min Scan# 1648  
Delta R.T. -0.012 min  
Lab File: BM031839.D  
Acq: 20 Aug 2021 13:23



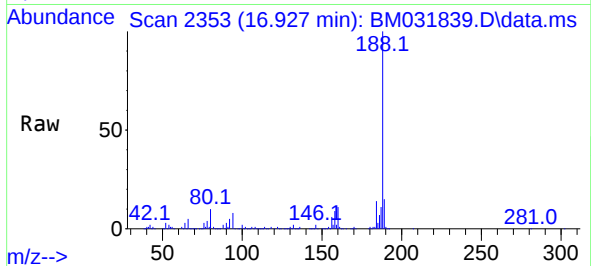
Tgt Ion:172 Resp: 418919  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.6 43.0  
170 23.3 18.4 27.6





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.927 min Scan# 2353  
Delta R.T. -0.006 min  
Lab File: BM031839.D  
Acq: 20 Aug 2021 13:23

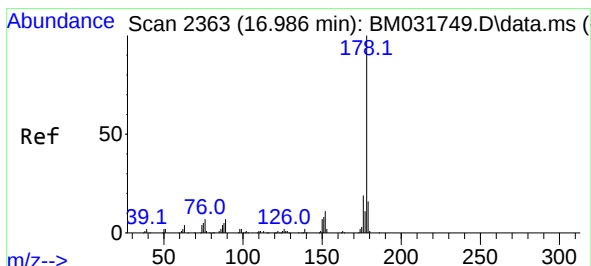
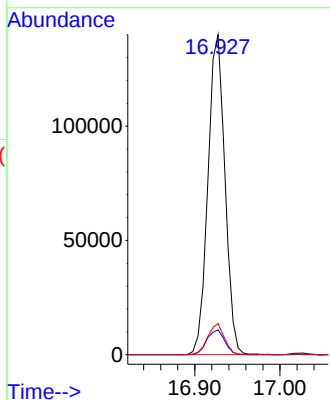
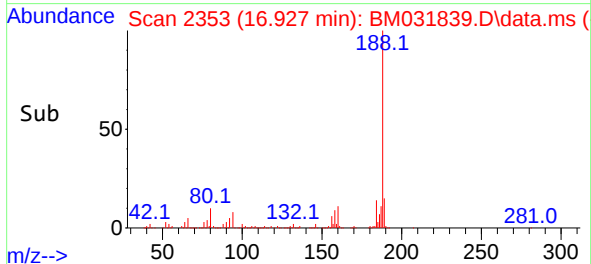
Instrument :  
BNA\_M  
ClientSampleId :  
SWCS-11-0205



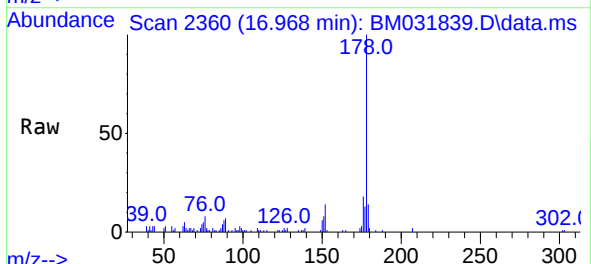
Tgt Ion:188 Resp: 194238  
Ion Ratio Lower Upper  
188 100  
94 7.8 6.0 9.0  
80 9.8 6.6 9.8

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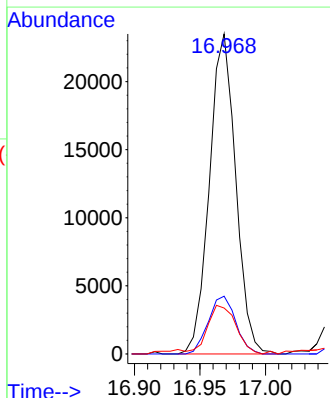
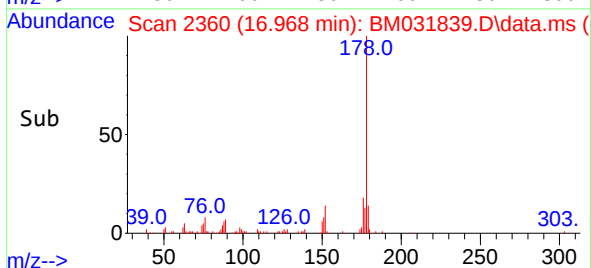
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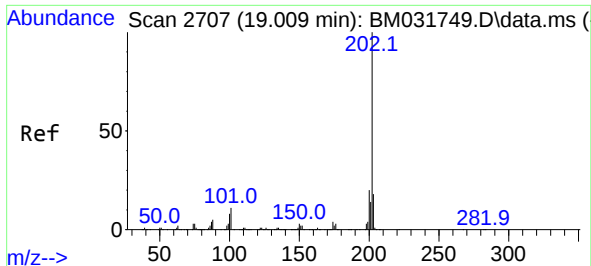


#71  
Phenanthrene  
Concen: 2.765 ng  
RT: 16.968 min Scan# 2360  
Delta R.T. -0.006 min  
Lab File: BM031839.D  
Acq: 20 Aug 2021 13:23



Tgt Ion:178 Resp: 32758  
Ion Ratio Lower Upper  
178 100  
176 18.0 15.4 23.0  
179 14.4 12.2 18.4





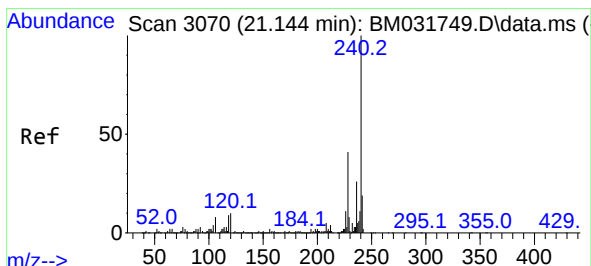
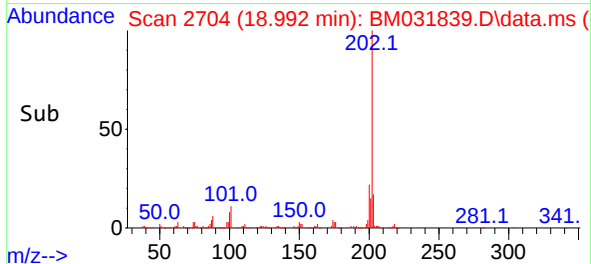
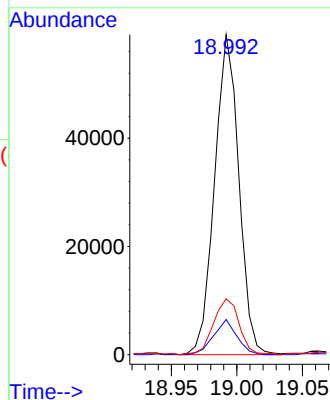
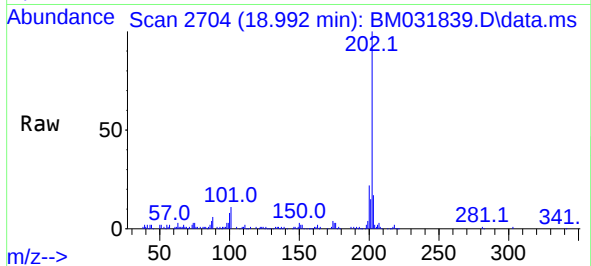
#75  
Fluoranthene  
Concen: 5.355 ng  
RT: 18.992 min Scan# 2704  
Delta R.T. -0.006 min  
Lab File: BM031839.D  
Acq: 20 Aug 2021 13:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 75988 |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 11.0  | 0.0   | 28.6  |
| 203      | 17.5  | 0.0   | 37.3  |

Instrument :  
BNA\_M  
ClientSampleId :  
SWCS-11-0205

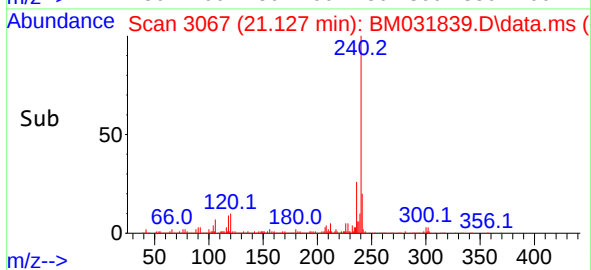
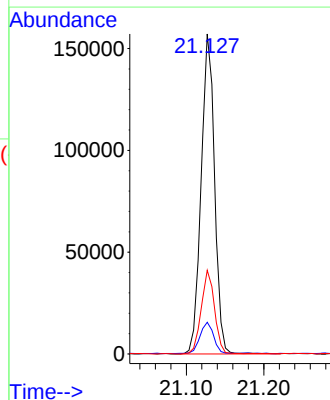
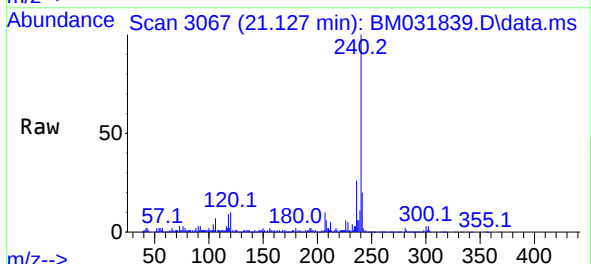
Manual Integrations  
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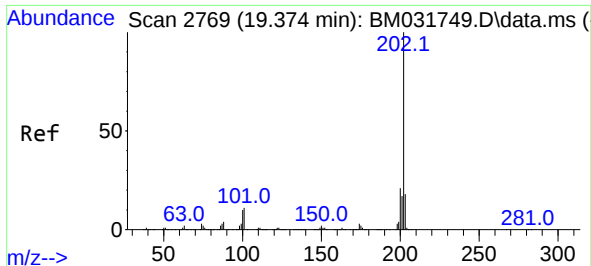
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#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.127 min Scan# 3067  
Delta R.T. -0.006 min  
Lab File: BM031839.D  
Acq: 20 Aug 2021 13:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 240   | Resp: | 189183 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 9.9   | 7.0   | 10.6   |
| 236      | 26.2  | 21.0  | 31.4   |





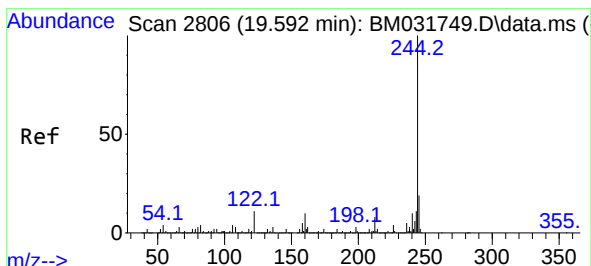
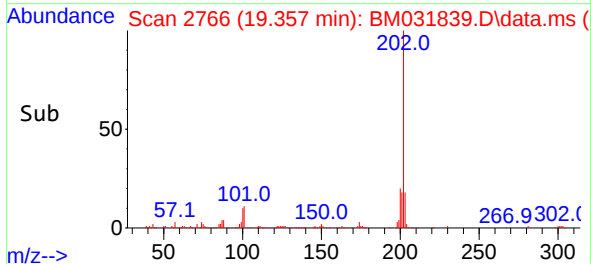
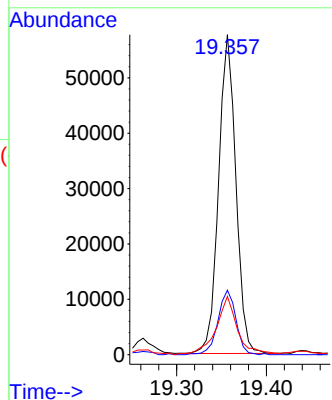
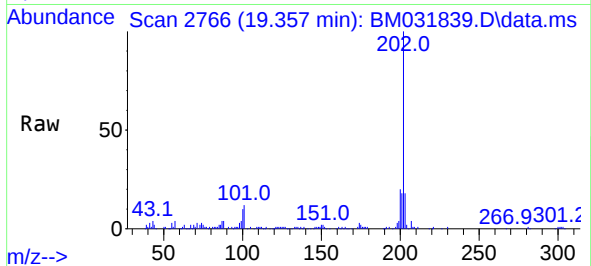
#78  
Pyrene  
Concen: 5.624 ng  
RT: 19.357 min Scan# 2766  
Delta R.T. -0.006 min  
Lab File: BM031839.D  
Acq: 20 Aug 2021 13:23

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 77075 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 20.1  | 17.3  | 25.9  |
| 203       | 18.2  | 13.9  | 20.9  |

Instrument :  
BNA\_M  
ClientSampleId :  
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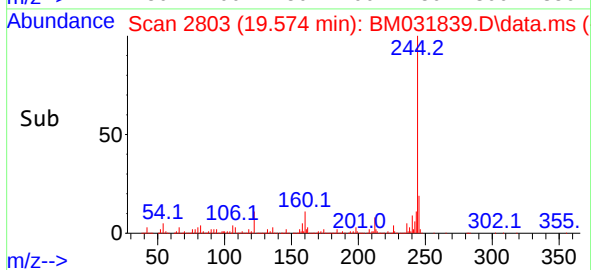
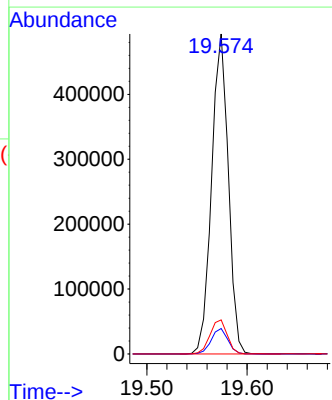
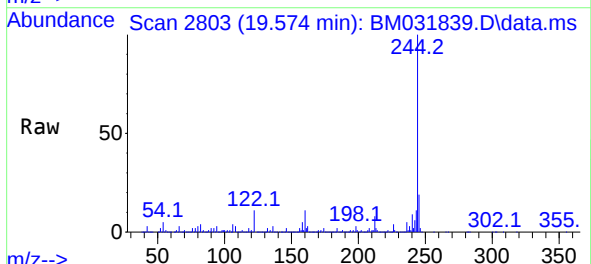
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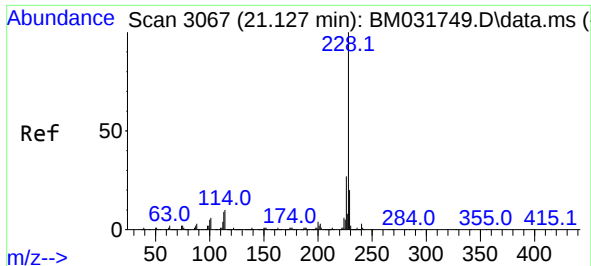
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#79  
Terphenyl-d14  
Concen: 50.696 ng  
RT: 19.574 min Scan# 2803  
Delta R.T. -0.006 min  
Lab File: BM031839.D  
Acq: 20 Aug 2021 13:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 244   | Resp: | 569232 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 8.0   | 6.3   | 9.5    |
| 122       | 10.7  | 6.9   | 10.3   |





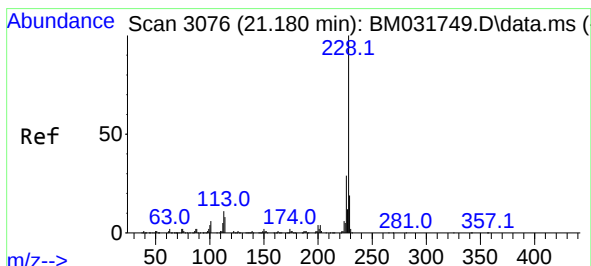
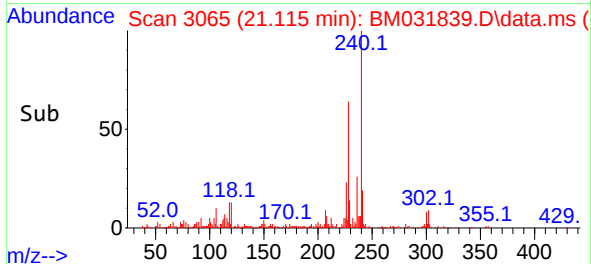
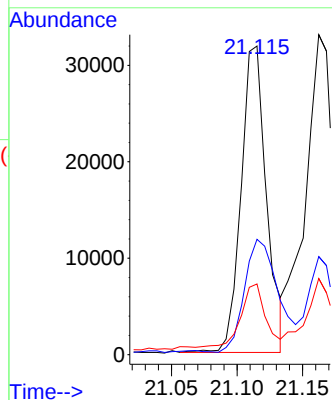
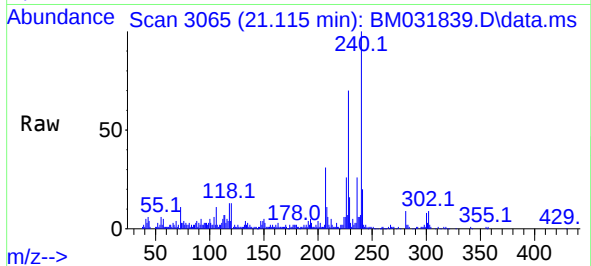
#81  
Benzo(a)anthracene  
Concen: 3.099 ng  
RT: 21.115 min Scan# 3065  
Delta R.T. -0.006 min  
Lab File: BM031839.D  
Acq: 20 Aug 2021 13:23

Tgt Ion:228 Resp: 42937  
Ion Ratio Lower Upper  
228 100  
226 37.4 22.3 33.5#  
229 22.9 15.7 23.5

Instrument :  
BNA\_M  
ClientSampleId :  
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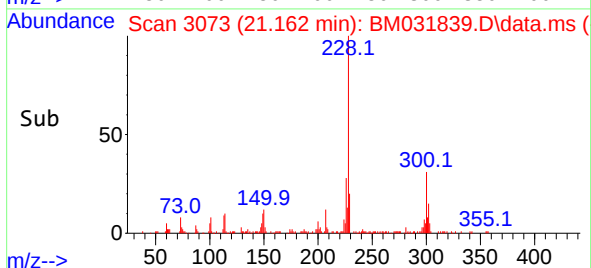
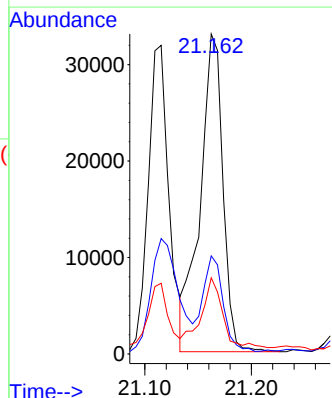
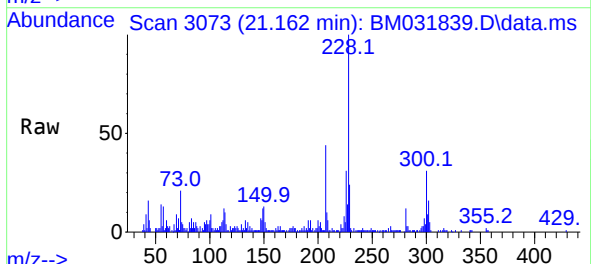
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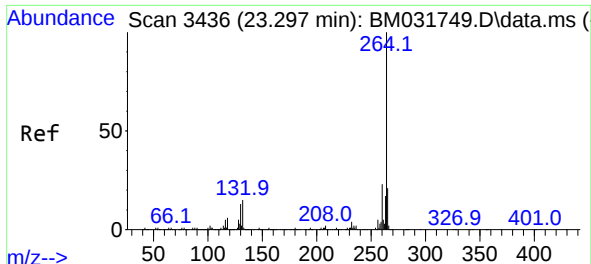
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#83  
Chrysene  
Concen: 3.642 ng  
RT: 21.162 min Scan# 3073  
Delta R.T. -0.012 min  
Lab File: BM031839.D  
Acq: 20 Aug 2021 13:23

Tgt Ion:228 Resp: 49194  
Ion Ratio Lower Upper  
228 100  
226 30.6 24.6 36.8  
229 23.8 15.5 23.3#





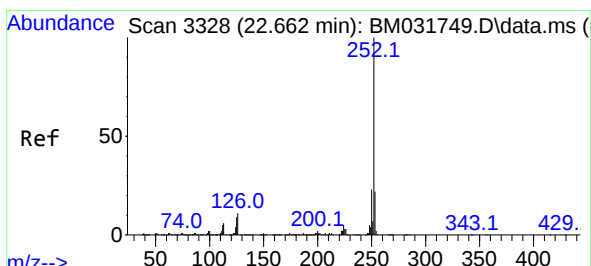
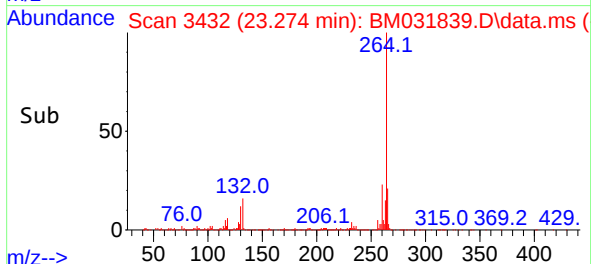
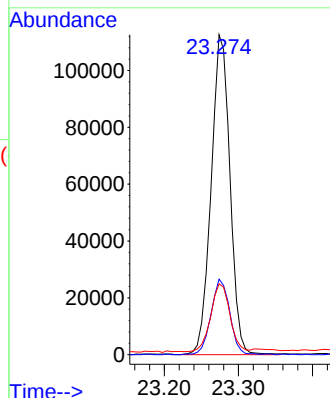
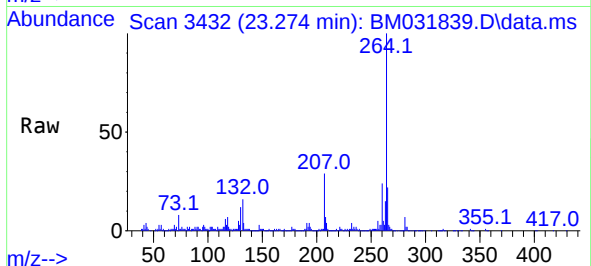
#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.274 min Scan# 3432  
Delta R.T. -0.006 min  
Lab File: BM031839.D  
Acq: 20 Aug 2021 13:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 198690 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.6  | 19.8  | 29.8   |
| 265       | 22.1  | 17.7  | 26.5   |

Instrument :  
BNA\_M  
ClientSampleId :  
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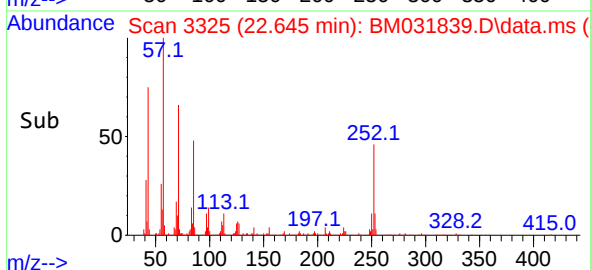
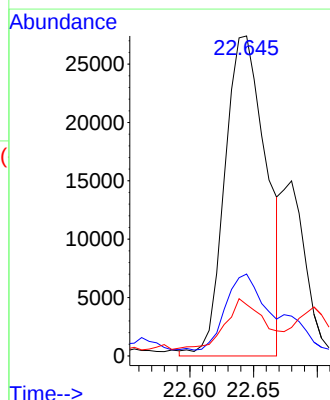
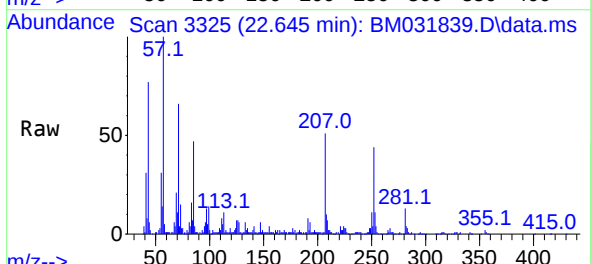
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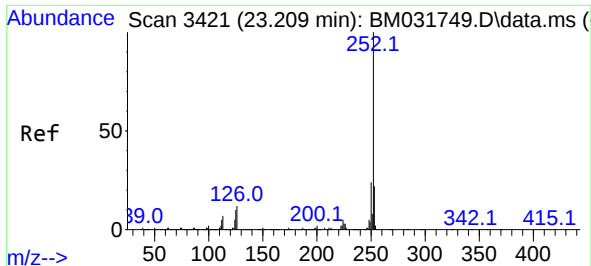
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#88  
Benzo(b)fluoranthene  
Concen: 4.139 ng m  
RT: 22.645 min Scan# 3325  
Delta R.T. 0.000 min  
Lab File: BM031839.D  
Acq: 20 Aug 2021 13:23

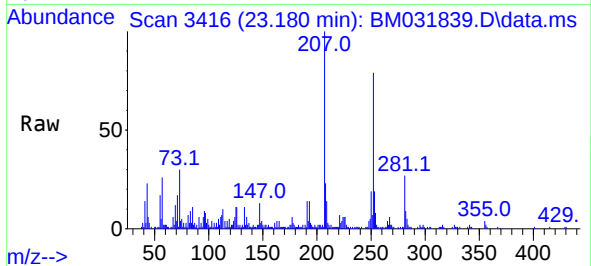
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 61751 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 25.6  | 17.4  | 26.0  |
| 125       | 16.1  | 6.8   | 10.2# |





#90  
Benzo(a)pyrene  
Concen: 3.185 ng  
RT: 23.180 min Scan# 3416  
Delta R.T. -0.012 min  
Lab File: BM031839.D  
Acq: 20 Aug 2021 13:23

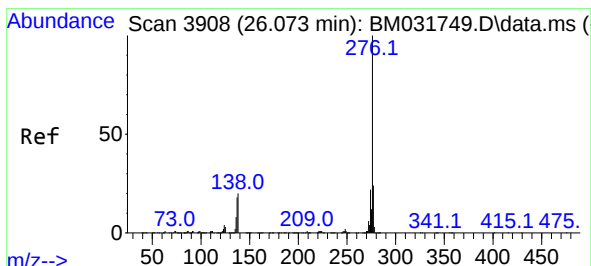
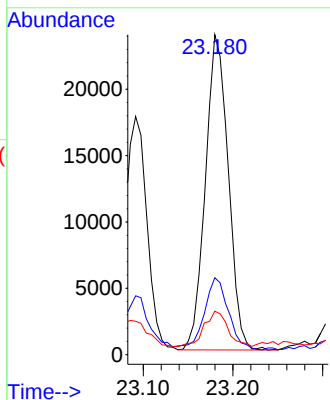
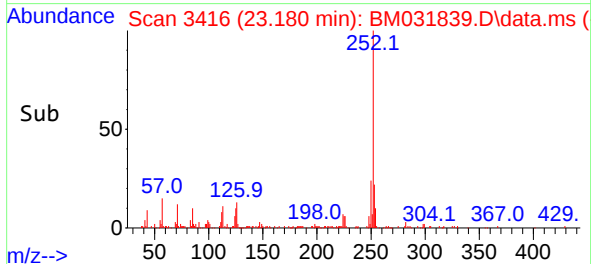
Instrument :  
BNA\_M  
ClientSampleId :  
SWCS-11-0205



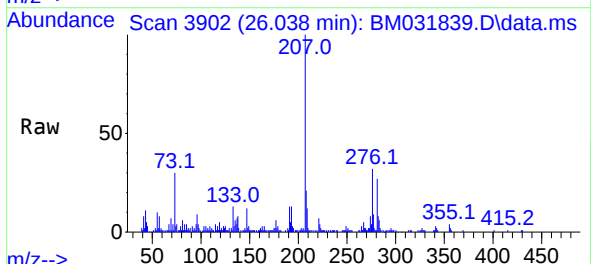
Tgt Ion:252 Resp: 42064  
Ion Ratio Lower Upper  
252 100  
253 24.0 17.7 26.5  
125 13.6 7.3 10.9#

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#92  
Benzo(g,h,i)perylene  
Concen: 2.786 ng  
RT: 26.038 min Scan# 3902  
Delta R.T. -0.012 min  
Lab File: BM031839.D  
Acq: 20 Aug 2021 13:23



Tgt Ion:276 Resp: 31239  
Ion Ratio Lower Upper  
276 100  
277 27.1 19.4 29.2  
138 29.4 14.4 21.6#

