

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081921\  
 Data File : BM031827.D  
 Acq On : 19 Aug 2021 14:19  
 Operator : CG/JU  
 Sample : M3435-13  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SWCS-24-0003

Manual Integrations  
 APPROVED

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Quant Time: Aug 19 17:09:26 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  | 38634    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.292 | 136  | 155252   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.174 | 164  | 94716    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 16.927 | 188  | 192212   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.127 | 240  | 178568   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 23.280 | 264  | 185509   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.175  | 112  | 234597   | 97.460 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.734  | 99   | 293664   | 84.194 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.687  | 82   | 203874   | 54.984 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.674 | 330  | 92102    | 78.952 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.786 | 172  | 390953   | 54.939 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.574 | 244  | 573933   | 54.153 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 20) 3+4-Methylphenols         | 8.310  | 107  | 18118    | 5.260  | ng    | 97       |
| 49) Acenaphthylene            | 13.892 | 152  | 31640    | 3.303  | ng    | 96       |
| 71) Phenanthrene              | 16.968 | 178  | 58616    | 5.000  | ng    | 98       |
| 75) Fluoranthene              | 18.992 | 202  | 118004   | 8.404  | ng    | 99       |
| 78) Pyrene                    | 19.356 | 202  | 111390   | 8.611  | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.115 | 228  | 48682m   | 3.722  | ng    |          |
| 83) Chrysene                  | 21.162 | 228  | 70937    | 5.564  | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 21.062 | 149  | 47712    | 4.980  | ng    | # 93     |
| 87) Indeno(1,2,3-cd)pyrene    | 25.397 | 276  | 48995    | 3.748  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 22.639 | 252  | 107482m  | 7.717  | ng    |          |
| 90) Benzo(a)pyrene            | 23.186 | 252  | 54843    | 4.447  | ng    | # 91     |
| 92) Benzo(g,h,i)perylene      | 26.050 | 276  | 48529    | 4.635  | ng    | 96       |
| -----                         |        |      |          |        |       |          |

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

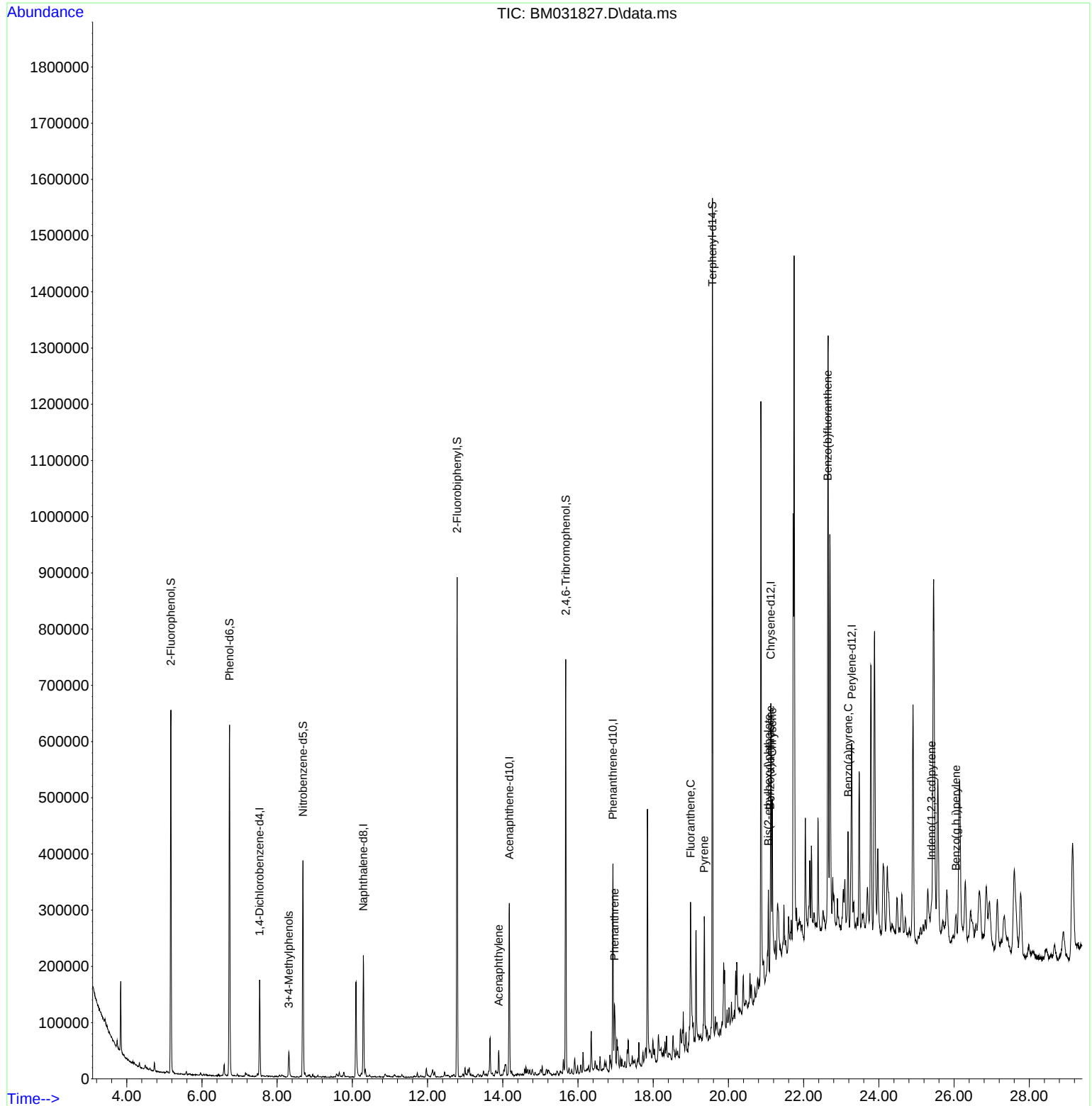
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081921\  
Data File : BM031827.D  
Acq On : 19 Aug 2021 14:19  
Operator : CG/JU  
Sample : M3435-13  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

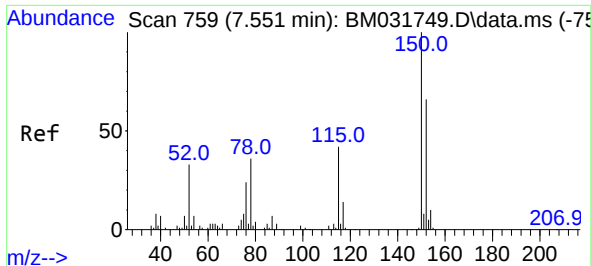
Instrument :  
BNA\_M  
ClientSampleId :  
SWCS-24-0003

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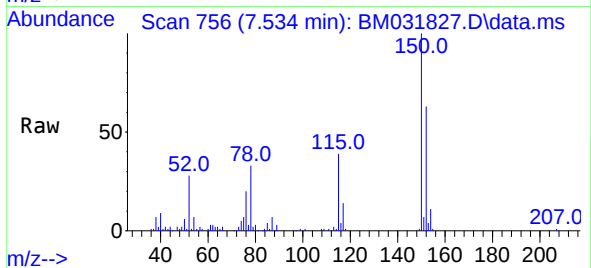
Quant Time: Aug 19 17:09:26 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM081621.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 18 14:13:35 2021  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.534 min Scan# 756  
Delta R.T. -0.006 min  
Lab File: BM031827.D  
Acq: 19 Aug 2021 14:19

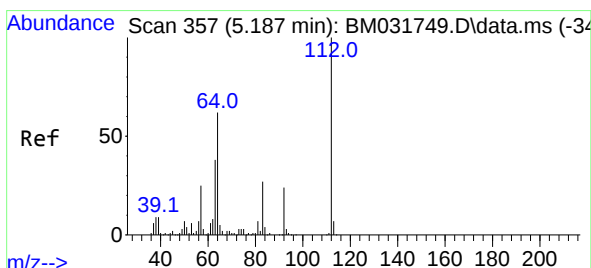
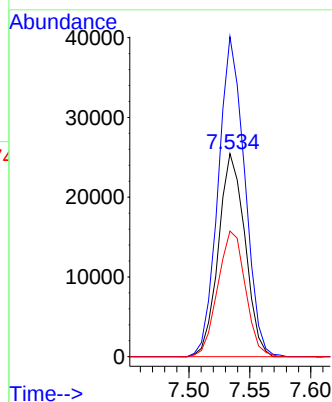
Instrument :  
BNA\_M  
ClientSampleId :  
SWCS-24-0003



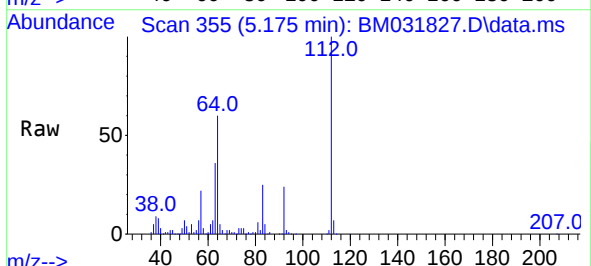
Tgt Ion:152 Resp: 38634  
Ion Ratio Lower Upper  
152 100  
150 157.6 125.9 188.9  
115 61.9 44.6 67.0

Manual Integrations  
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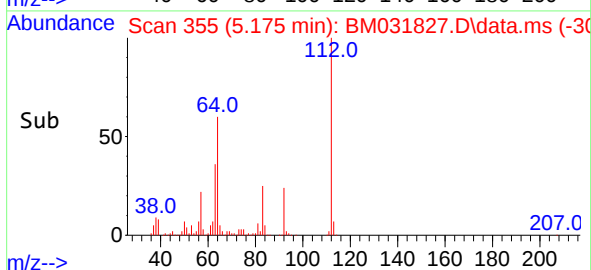
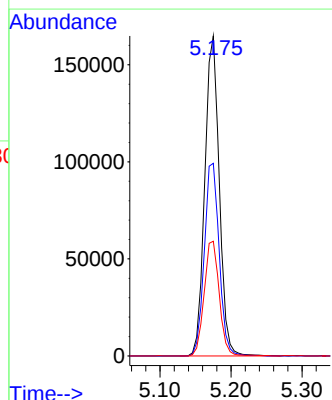
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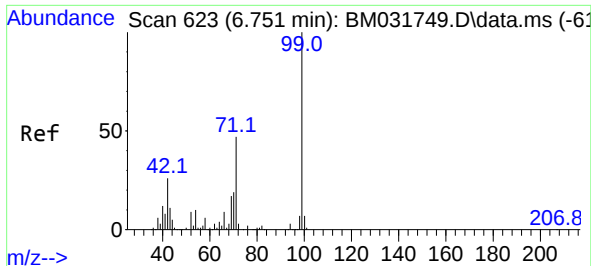


#5  
2-Fluorophenol  
Concen: 97.460 ng  
RT: 5.175 min Scan# 355  
Delta R.T. 0.000 min  
Lab File: BM031827.D  
Acq: 19 Aug 2021 14:19



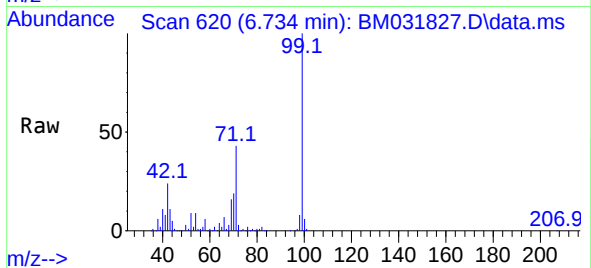
Tgt Ion:112 Resp: 234597  
Ion Ratio Lower Upper  
112 100  
64 60.2 47.1 70.7  
63 35.8 27.3 40.9





#7  
Phenol-d6  
Concen: 84.194 ng  
RT: 6.734 min Scan# 620  
Delta R.T. 0.000 min  
Lab File: BM031827.D  
Acq: 19 Aug 2021 14:19

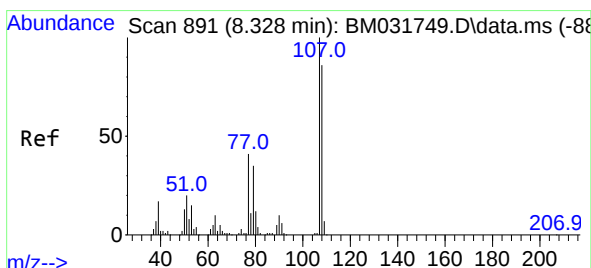
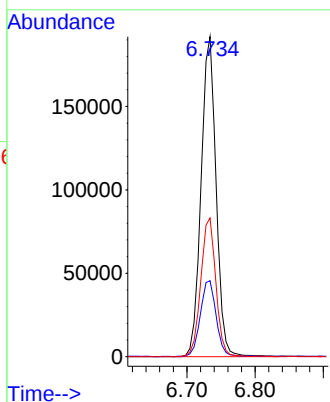
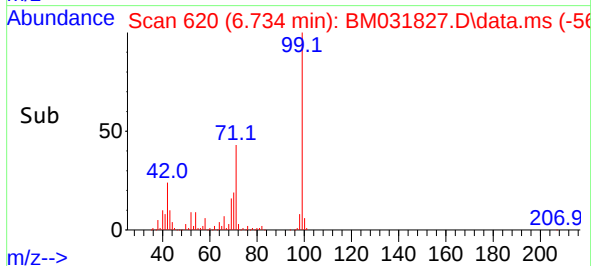
Instrument :  
BNA\_M  
ClientSampleId :  
SWCS-24-0003



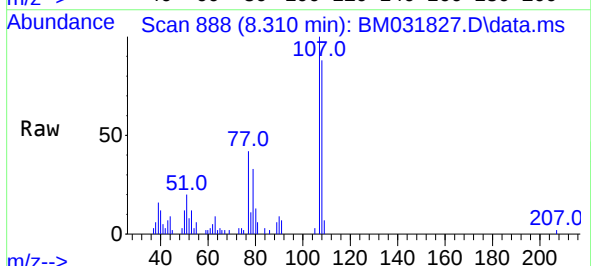
Tgt Ion: 99 Resp: 293664  
Ion Ratio Lower Upper  
99 100  
42 23.7 18.0 27.0  
71 43.4 30.9 46.3

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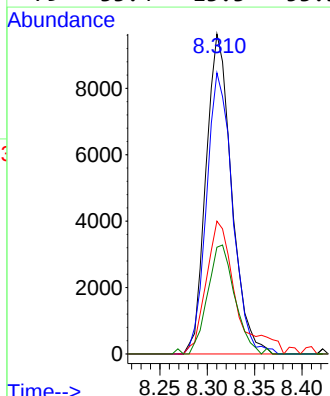
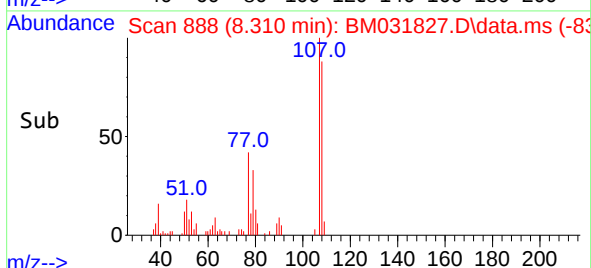
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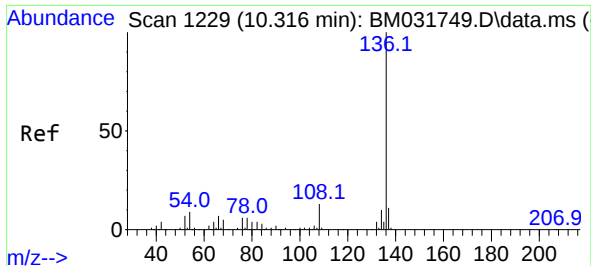


#20  
3+4-Methylphenols  
Concen: 5.260 ng  
RT: 8.310 min Scan# 888  
Delta R.T. -0.006 min  
Lab File: BM031827.D  
Acq: 19 Aug 2021 14:19



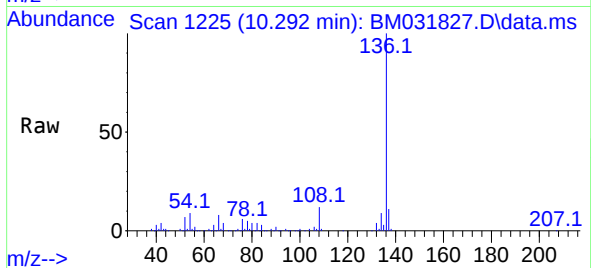
Tgt Ion: 107 Resp: 18118  
Ion Ratio Lower Upper  
107 100  
108 87.9 69.9 109.9  
77 41.5 17.3 57.3  
79 33.4 13.3 53.3





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.292 min Scan# 1225  
Delta R.T. -0.006 min  
Lab File: BM031827.D  
Acq: 19 Aug 2021 14:19

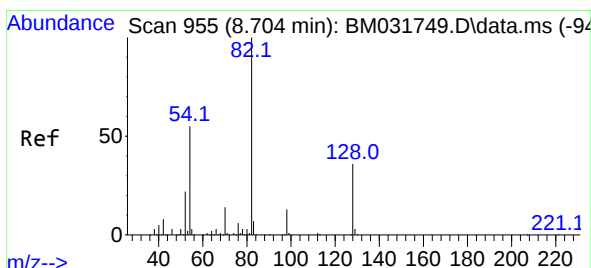
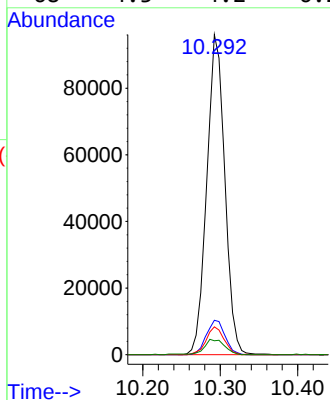
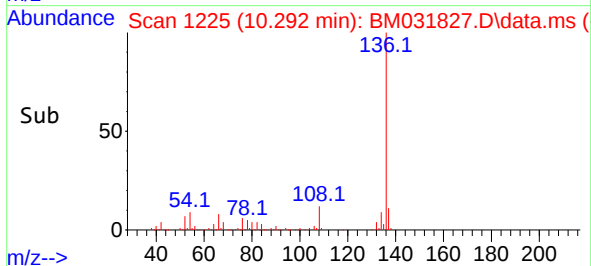
Instrument :  
BNA\_M  
ClientSampleId :  
SWCS-24-0003



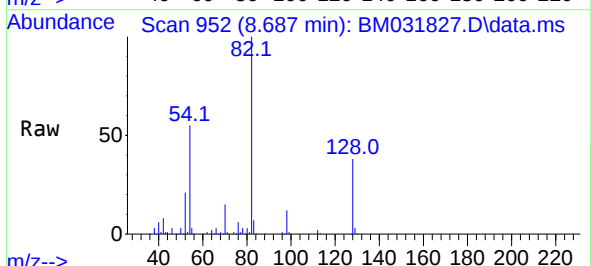
Tgt Ion: 136 Resp: 155252  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.4 12.6  
54 8.7 5.5 8.3#  
68 4.3 4.2 6.2

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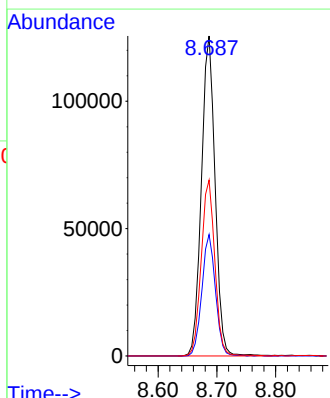
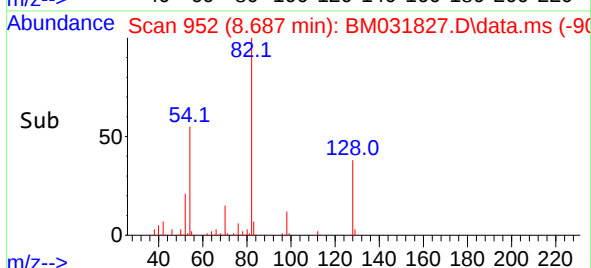
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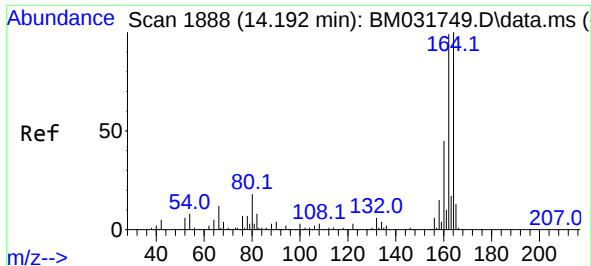


#23  
Nitrobenzene-d5  
Concen: 54.984 ng  
RT: 8.687 min Scan# 952  
Delta R.T. -0.006 min  
Lab File: BM031827.D  
Acq: 19 Aug 2021 14:19



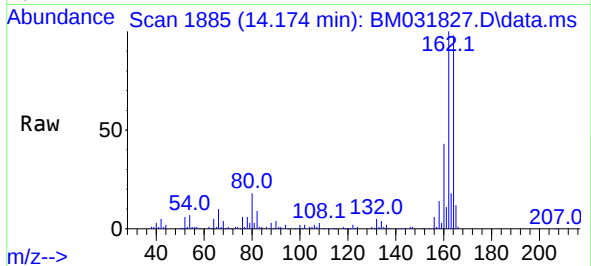
Tgt Ion: 82 Resp: 203874  
Ion Ratio Lower Upper  
82 100  
128 37.9 31.1 46.7  
54 55.0 37.3 55.9





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.174 min Scan# 1885  
Delta R.T. -0.006 min  
Lab File: BM031827.D  
Acq: 19 Aug 2021 14:19

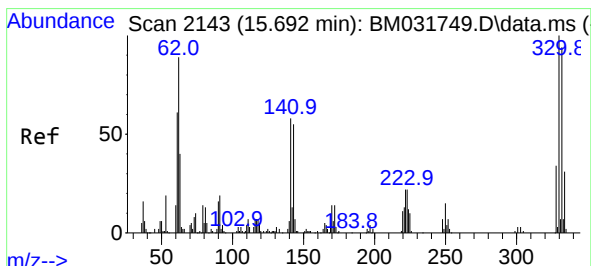
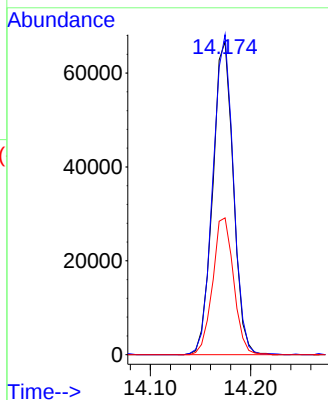
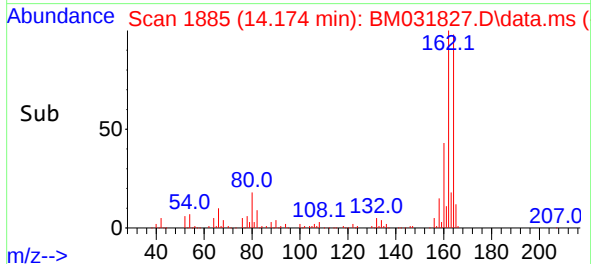
Instrument :  
BNA\_M  
ClientSampleId :  
SWCS-24-0003



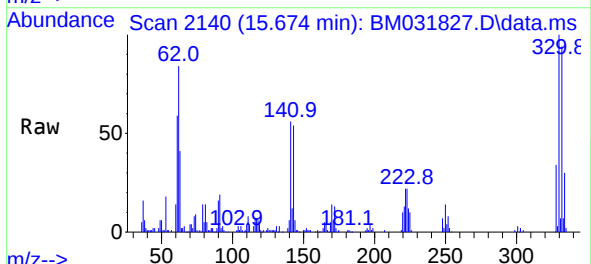
Tgt Ion:164 Resp: 94716  
Ion Ratio Lower Upper  
164 100  
162 102.3 83.4 125.0  
160 43.7 37.2 55.8

Manual Integrations  
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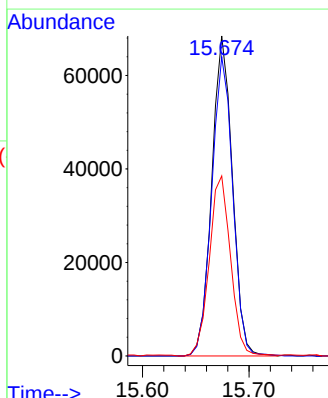
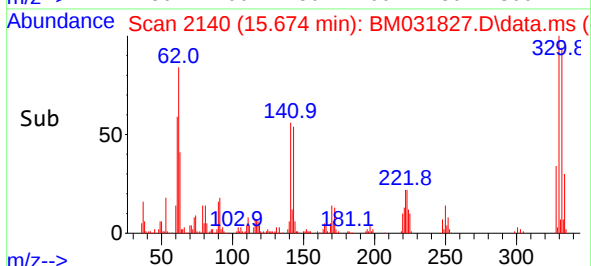
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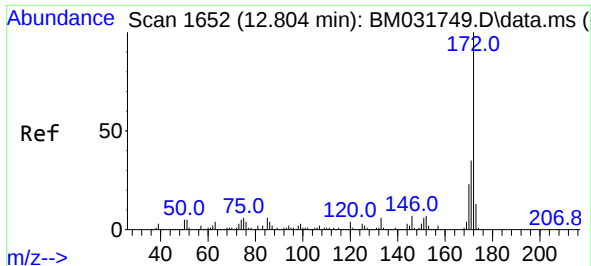


#42  
2,4,6-Tribromophenol  
Concen: 78.952 ng  
RT: 15.674 min Scan# 2140  
Delta R.T. -0.006 min  
Lab File: BM031827.D  
Acq: 19 Aug 2021 14:19



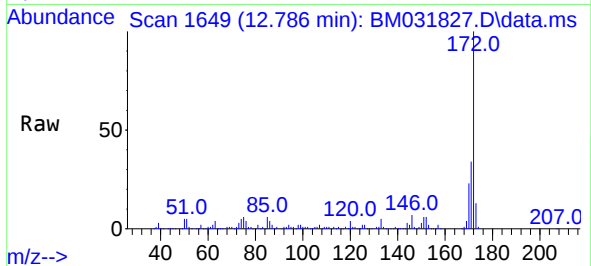
Tgt Ion:330 Resp: 92102  
Ion Ratio Lower Upper  
330 100  
332 95.4 77.0 115.4  
141 58.2 30.2 45.2#





#45  
2-Fluorobiphenyl  
Concen: 54.939 ng  
RT: 12.786 min Scan# 1649  
Delta R.T. -0.006 min  
Lab File: BM031827.D  
Acq: 19 Aug 2021 14:19

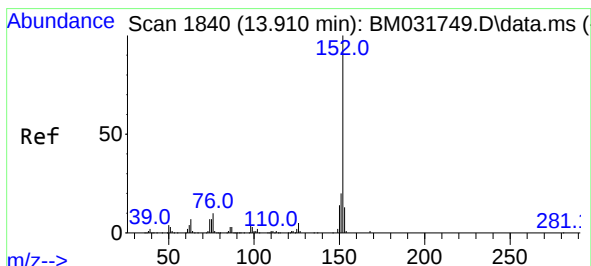
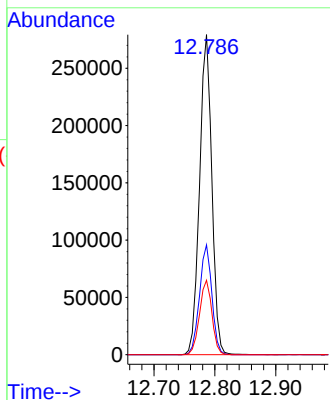
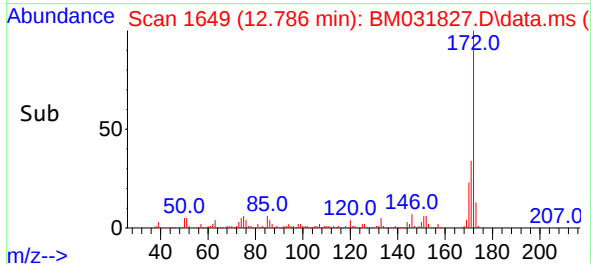
Instrument :  
BNA\_M  
ClientSampleId :  
SWCS-24-0003



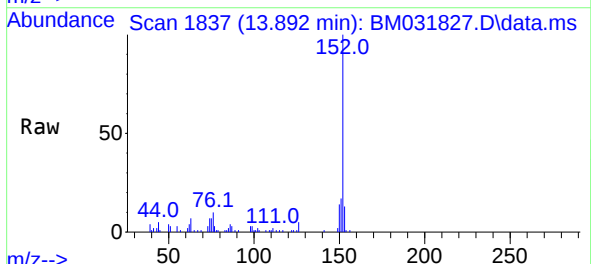
Tgt Ion:172 Resp: 390953  
Ion Ratio Lower Upper  
172 100  
171 34.3 28.6 43.0  
170 23.3 18.4 27.6

Manual Integrations  
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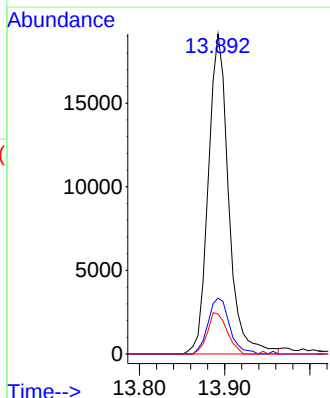
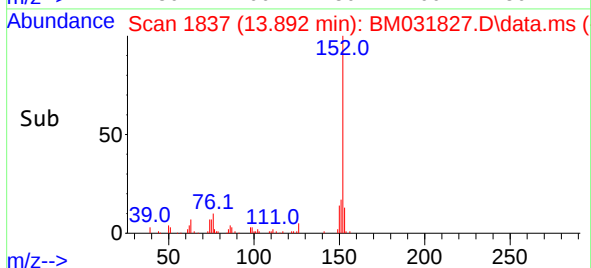
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8/20/2021 2:26:18 PM

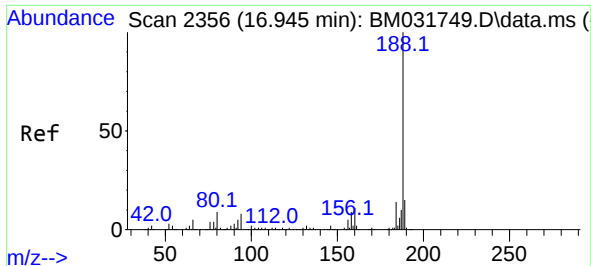


#49  
Acenaphthylene  
Concen: 3.303 ng  
RT: 13.892 min Scan# 1837  
Delta R.T. -0.006 min  
Lab File: BM031827.D  
Acq: 19 Aug 2021 14:19



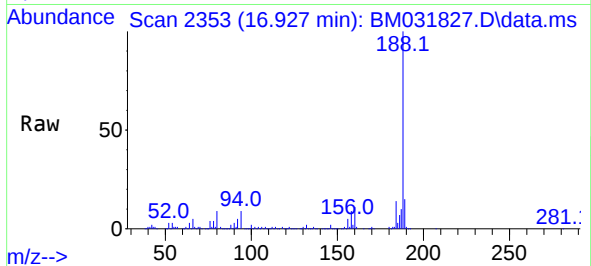
Tgt Ion:152 Resp: 31640  
Ion Ratio Lower Upper  
152 100  
151 17.5 16.3 24.5  
153 12.5 10.2 15.4





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.927 min Scan# 2353  
Delta R.T. -0.006 min  
Lab File: BM031827.D  
Acq: 19 Aug 2021 14:19

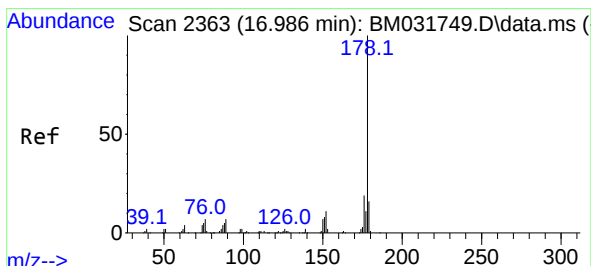
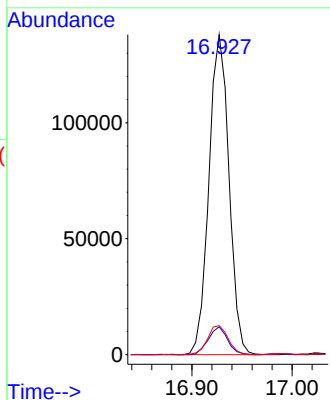
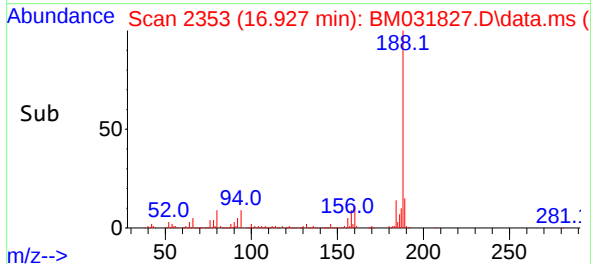
Instrument :  
BNA\_M  
ClientSampleId :  
SWCS-24-0003



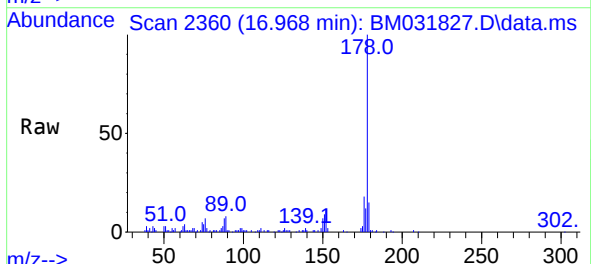
Tgt Ion:188 Resp: 192212  
Ion Ratio Lower Upper  
188 100  
94 8.7 6.0 9.0  
80 9.1 6.6 9.8

Manual Integrations  
APPROVED

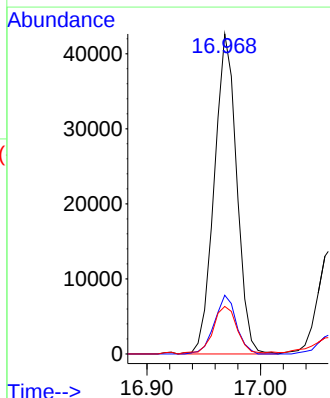
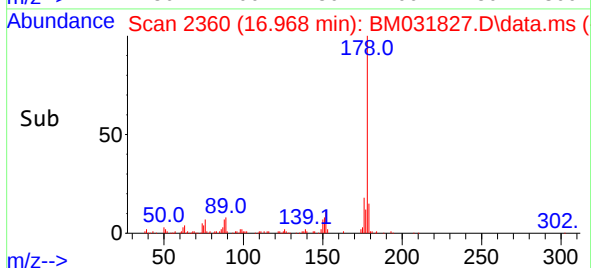
mohammad  
8/20/2021 2:26:18 PM

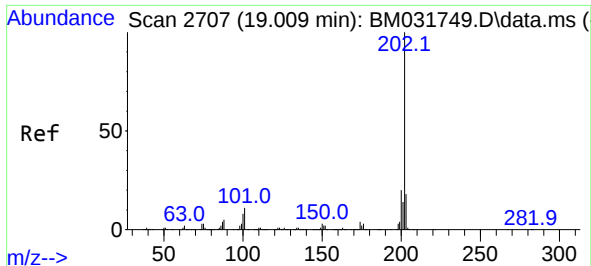


#71  
Phenanthrene  
Concen: 5.000 ng  
RT: 16.968 min Scan# 2360  
Delta R.T. -0.006 min  
Lab File: BM031827.D  
Acq: 19 Aug 2021 14:19



Tgt Ion:178 Resp: 58616  
Ion Ratio Lower Upper  
178 100  
176 18.3 15.4 23.0  
179 14.9 12.2 18.4





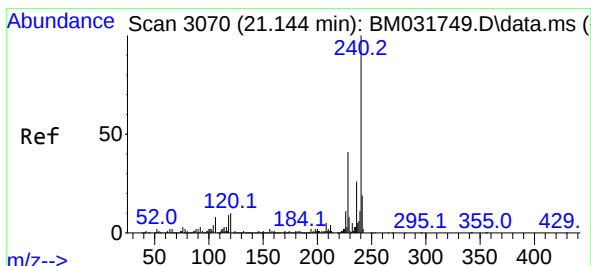
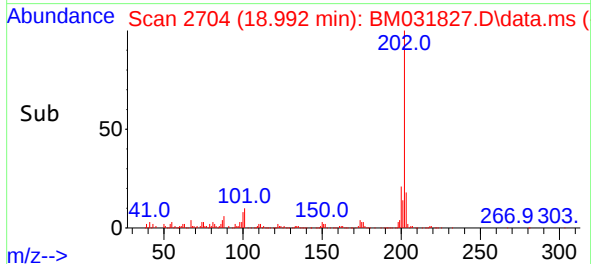
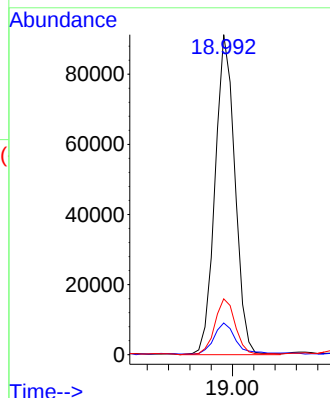
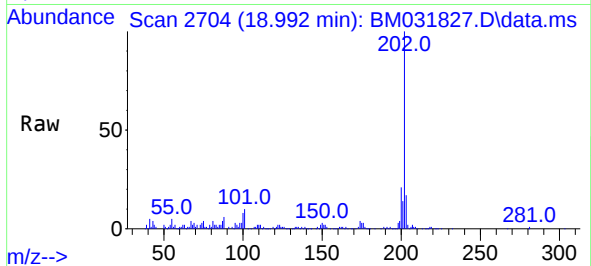
#75  
Fluoranthene  
Concen: 8.404 ng  
RT: 18.992 min Scan# 2704  
Delta R.T. -0.006 min  
Lab File: BM031827.D  
Acq: 19 Aug 2021 14:19

Tgt Ion:202 Resp: 118004  
Ion Ratio Lower Upper  
202 100  
101 9.9 0.0 28.6  
203 17.5 0.0 37.3

Instrument :  
BNA\_M  
ClientSampleId :  
SWCS-24-0003

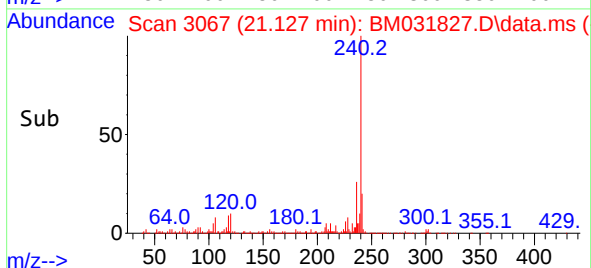
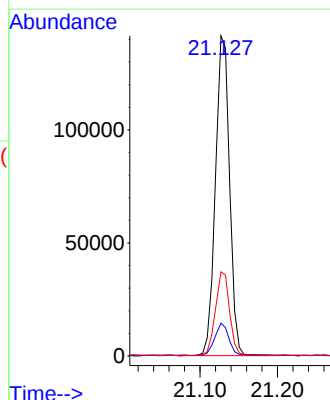
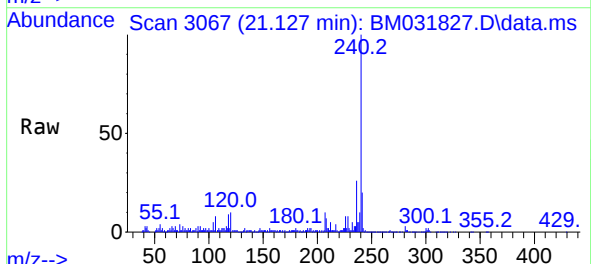
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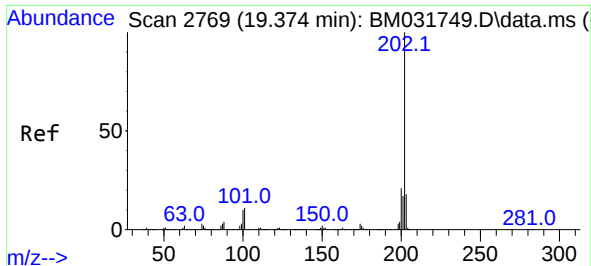
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#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.127 min Scan# 3067  
Delta R.T. -0.006 min  
Lab File: BM031827.D  
Acq: 19 Aug 2021 14:19

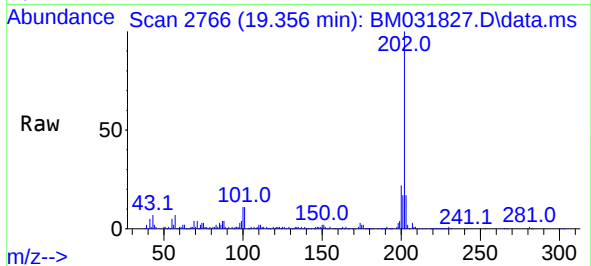
Tgt Ion:240 Resp: 178568  
Ion Ratio Lower Upper  
240 100  
120 10.2 7.0 10.6  
236 26.3 21.0 31.4





#78  
Pyrene  
Concen: 8.611 ng  
RT: 19.356 min Scan# 2766  
Delta R.T. -0.006 min  
Lab File: BM031827.D  
Acq: 19 Aug 2021 14:19

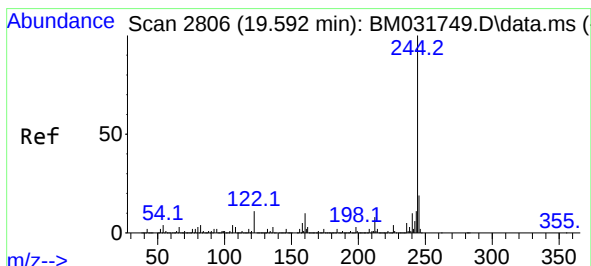
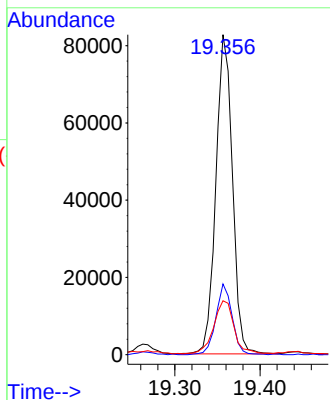
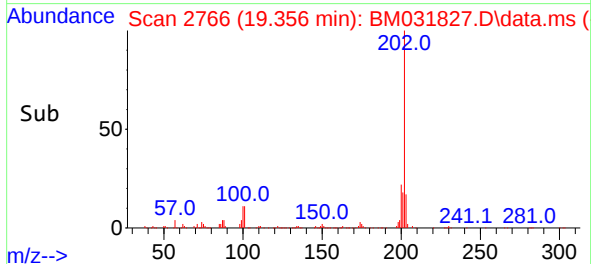
Instrument :  
BNA\_M  
ClientSampleId :  
SWCS-24-0003



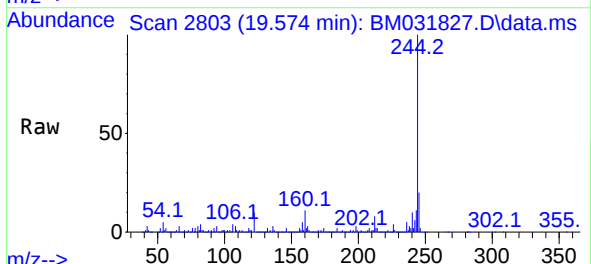
Tgt Ion:202 Resp: 111390  
Ion Ratio Lower Upper  
202 100  
200 22.1 17.3 25.9  
203 16.9 13.9 20.9

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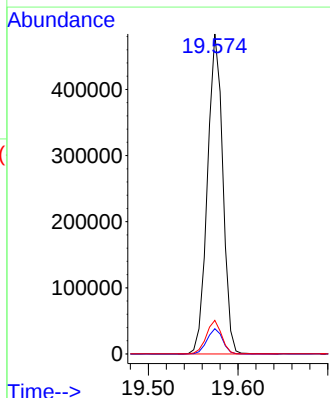
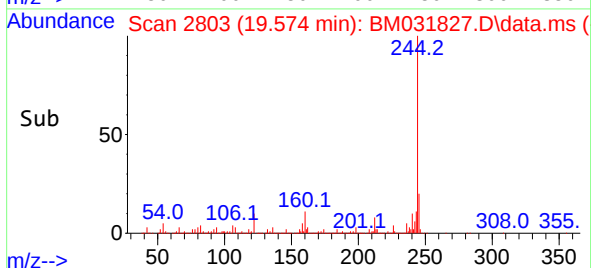
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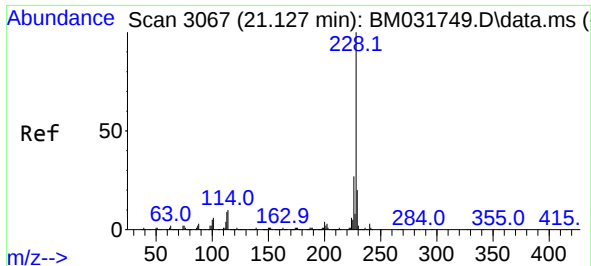


#79  
Terphenyl-d14  
Concen: 54.153 ng  
RT: 19.574 min Scan# 2803  
Delta R.T. -0.006 min  
Lab File: BM031827.D  
Acq: 19 Aug 2021 14:19



Tgt Ion:244 Resp: 573933  
Ion Ratio Lower Upper  
244 100  
212 7.9 6.3 9.5  
122 10.5 6.9 10.3#





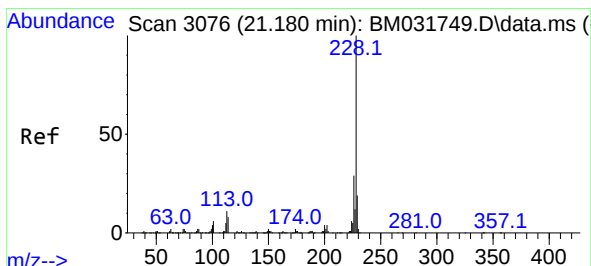
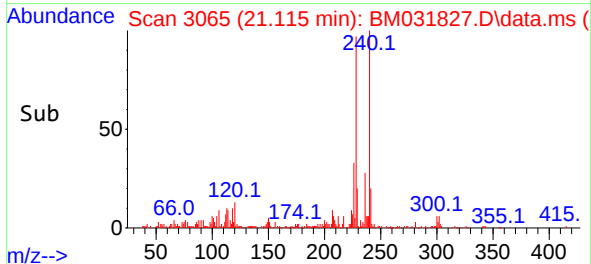
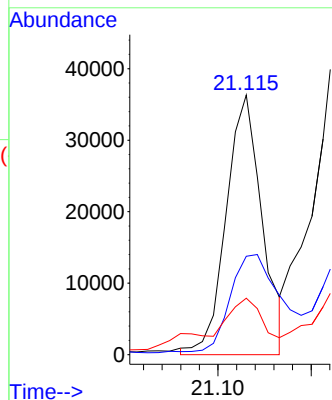
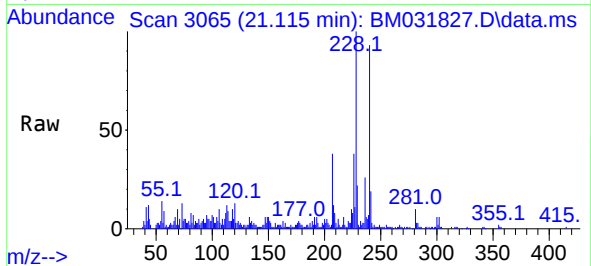
#81  
Benzo(a)anthracene  
Concen: 3.722 ng m  
RT: 21.115 min Scan# 3065  
Delta R.T. -0.006 min  
Lab File: BM031827.D  
Acq: 19 Aug 2021 14:19

Tgt Ion:228 Resp: 48682  
Ion Ratio Lower Upper  
228 100  
226 37.9 22.3 33.5#  
229 21.7 15.7 23.5

Instrument :  
BNA\_M  
ClientSampleId :  
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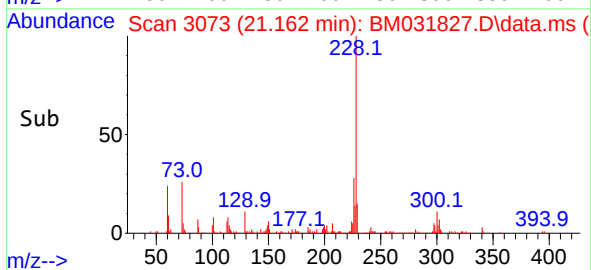
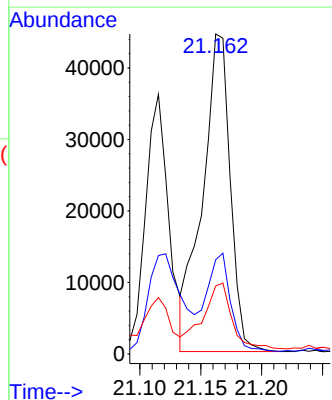
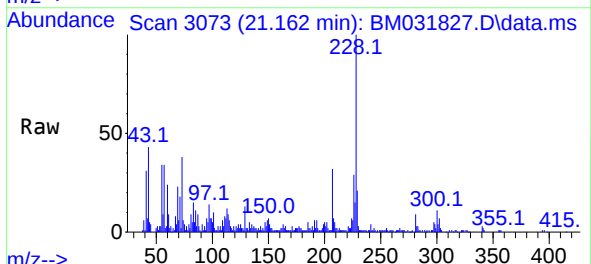
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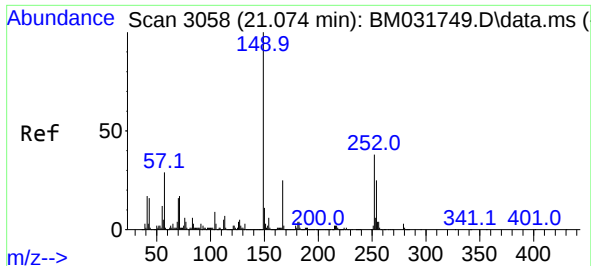
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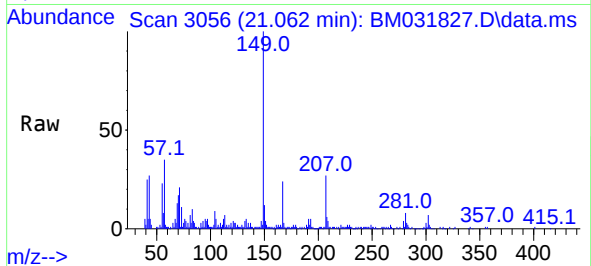
#83  
Chrysene  
Concen: 5.564 ng  
RT: 21.162 min Scan# 3073  
Delta R.T. -0.012 min  
Lab File: BM031827.D  
Acq: 19 Aug 2021 14:19

Tgt Ion:228 Resp: 70937  
Ion Ratio Lower Upper  
228 100  
226 29.5 24.6 36.8  
229 21.3 15.5 23.3

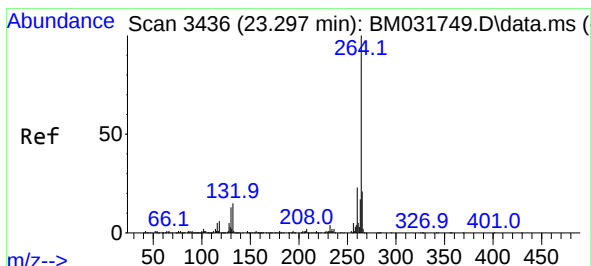
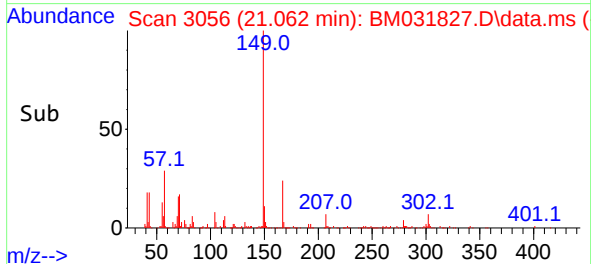
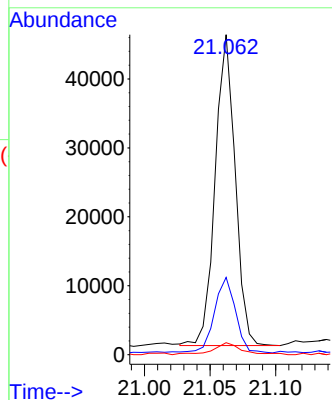




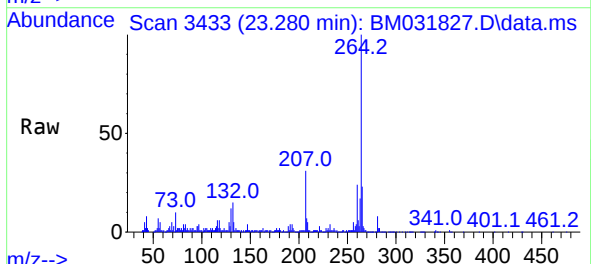
#84  
Bis(2-ethylhexyl)phthalate  
Concen: 4.980 ng  
RT: 21.062 min Scan# 3056  
Delta R.T. -0.006 min  
Lab File: BM031827.D  
Acq: 19 Aug 2021 14:19



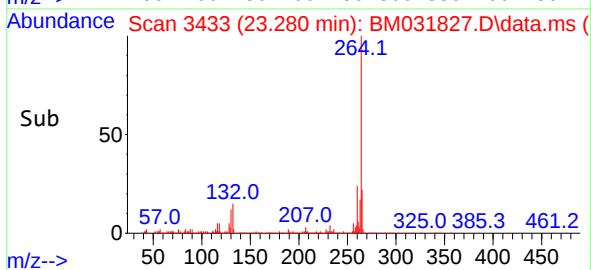
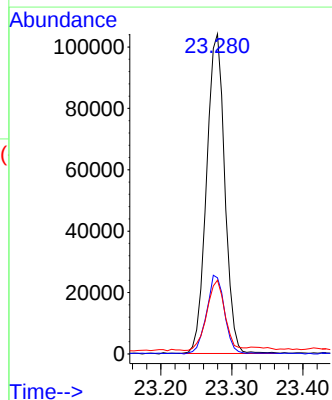
Tgt Ion:149 Resp: 47712  
Ion Ratio Lower Upper  
149 100  
167 24.2 22.6 33.8  
279 3.7 3.8 5.8#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.280 min Scan# 3433  
Delta R.T. 0.000 min  
Lab File: BM031827.D  
Acq: 19 Aug 2021 14:19



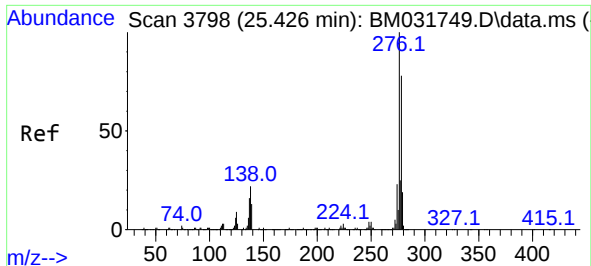
Tgt Ion:264 Resp: 185509  
Ion Ratio Lower Upper  
264 100  
260 23.8 19.8 29.8  
265 23.1 17.7 26.5



Instrument :  
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ClientSampleId :  
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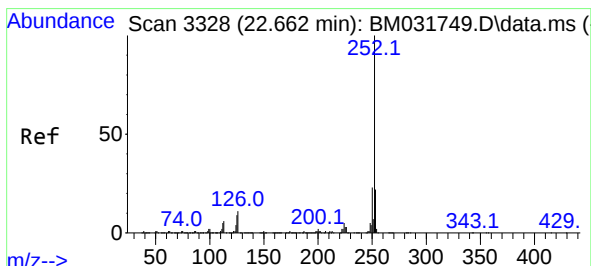
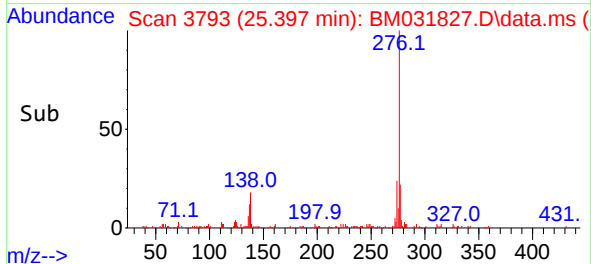
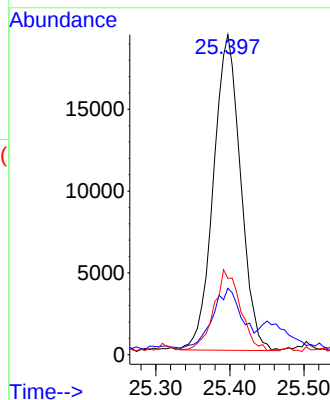
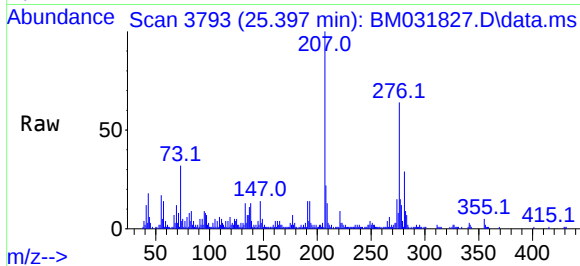
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 3.748 ng  
RT: 25.397 min Scan# 3793  
Delta R.T. -0.012 min  
Lab File: BM031827.D  
Acq: 19 Aug 2021 14:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 48995 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 20.5  | 17.1  | 25.7  |
| 277       | 24.1  | 20.3  | 30.5  |

Instrument :  
BNA\_M  
ClientSampleId :  
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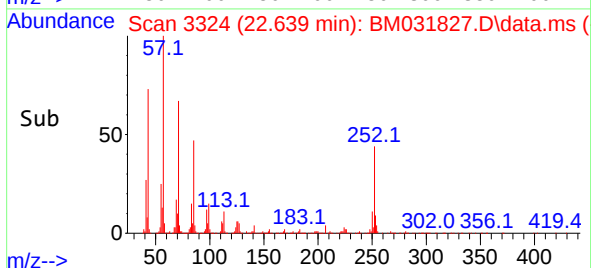
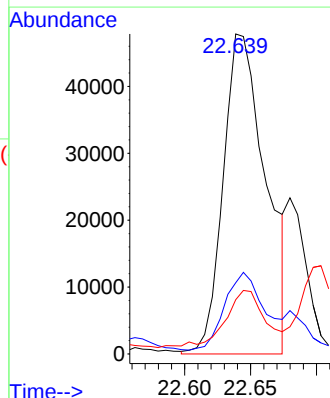
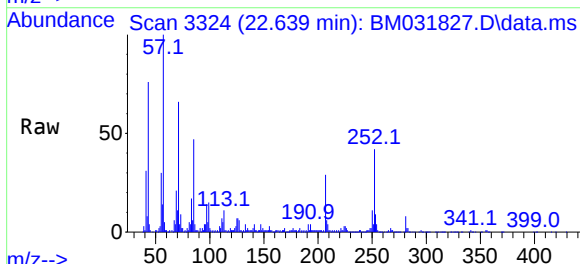
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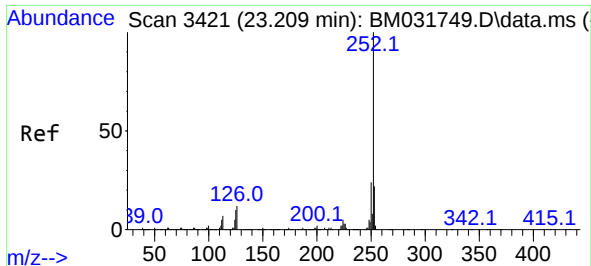
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#88  
Benzo(b)fluoranthene  
Concen: 7.717 ng m  
RT: 22.639 min Scan# 3324  
Delta R.T. -0.006 min  
Lab File: BM031827.D  
Acq: 19 Aug 2021 14:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 107482 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.2  | 17.4  | 26.0   |
| 125       | 16.9  | 6.8   | 10.2#  |





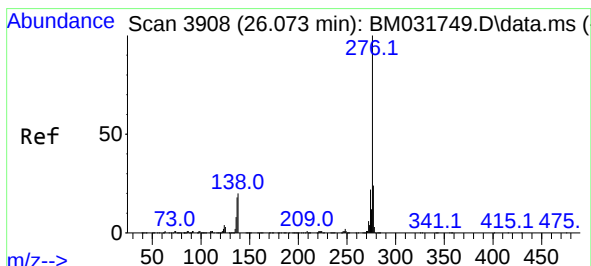
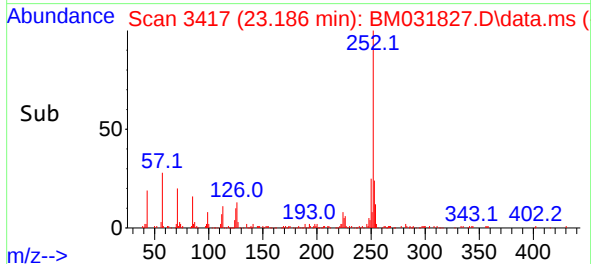
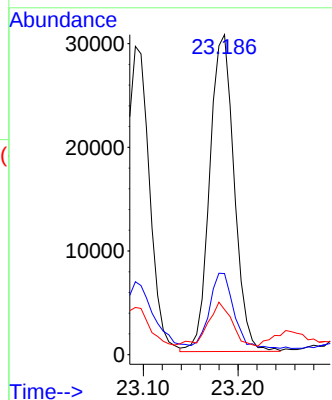
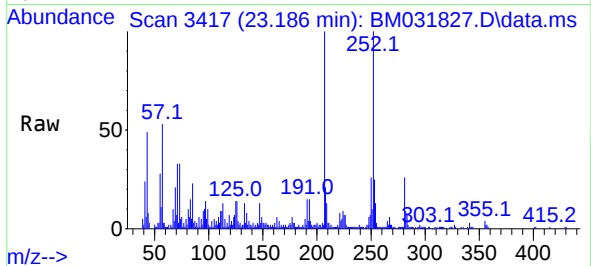
#90  
Benzo(a)pyrene  
Concen: 4.447 ng  
RT: 23.186 min Scan# 3417  
Delta R.T. -0.006 min  
Lab File: BM031827.D  
Acq: 19 Aug 2021 14:19

Tgt Ion: 252 Resp: 54843  
Ion Ratio Lower Upper  
252 100  
253 25.3 17.7 26.5  
125 14.1 7.3 10.9#

Instrument :  
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ClientSampleId :  
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#92  
Benzo(g,h,i)perylene  
Concen: 4.635 ng  
RT: 26.050 min Scan# 3904  
Delta R.T. 0.000 min  
Lab File: BM031827.D  
Acq: 19 Aug 2021 14:19

Tgt Ion: 276 Resp: 48529  
Ion Ratio Lower Upper  
276 100  
277 25.3 19.4 29.2  
138 15.1 14.4 21.6

