

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082021\  
 Data File : BP006798.D  
 Acq On : 20 Aug 2021 13:50  
 Operator : CG/JU  
 Sample : M3397-06  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SWCS-07-0510

Manual Integrations  
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Quant Time: Aug 20 14:29:16 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 20 11:25:25 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.693  | 152  | 252929   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.475 | 136  | 1088164  | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.334 | 164  | 612232   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.098 | 188  | 1150971  | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12            | 21.204 | 240  | 780661   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12            | 23.522 | 264  | 746135   | 20.000  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.299  | 112  | 1653628  | 100.419 | ng    | 0.00     |
| 7) Phenol-d6                | 6.881  | 99   | 2148516  | 91.848  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.852  | 82   | 1506556  | 63.905  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.840 | 330  | 665677   | 104.036 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.957 | 172  | 2666117  | 65.153  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.681 | 244  | 3134524  | 80.456  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 49) Acenaphthylene          | 14.057 | 152  | 146358   | 2.544   | ng    | 99       |
| 71) Phenanthrene            | 17.140 | 178  | 552430   | 8.509   | ng    | 100      |
| 75) Fluoranthene            | 19.122 | 202  | 1327649  | 18.220  | ng    | 95       |
| 78) Pyrene                  | 19.475 | 202  | 1118136  | 21.443  | ng    | 99       |
| 81) Benzo(a)anthracene      | 21.186 | 228  | 491637   | 9.636   | ng    | 96       |
| 83) Chrysene                | 21.239 | 228  | 498982   | 10.088  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene  | 25.898 | 276  | 336162m  | 6.213   | ng    |          |
| 88) Benzo(b)fluoranthene    | 22.816 | 252  | 614619m  | 12.674  | ng    |          |
| 89) Benzo(k)fluoranthene    | 22.863 | 252  | 234335m  | 5.033   | ng    |          |
| 90) Benzo(a)pyrene          | 23.416 | 252  | 423857   | 9.745   | ng    | # 94     |
| 92) Benzo(g,h,i)perylene    | 26.627 | 276  | 338724   | 7.556   | ng    | # 90     |
| -----                       |        |      |          |         |       |          |

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

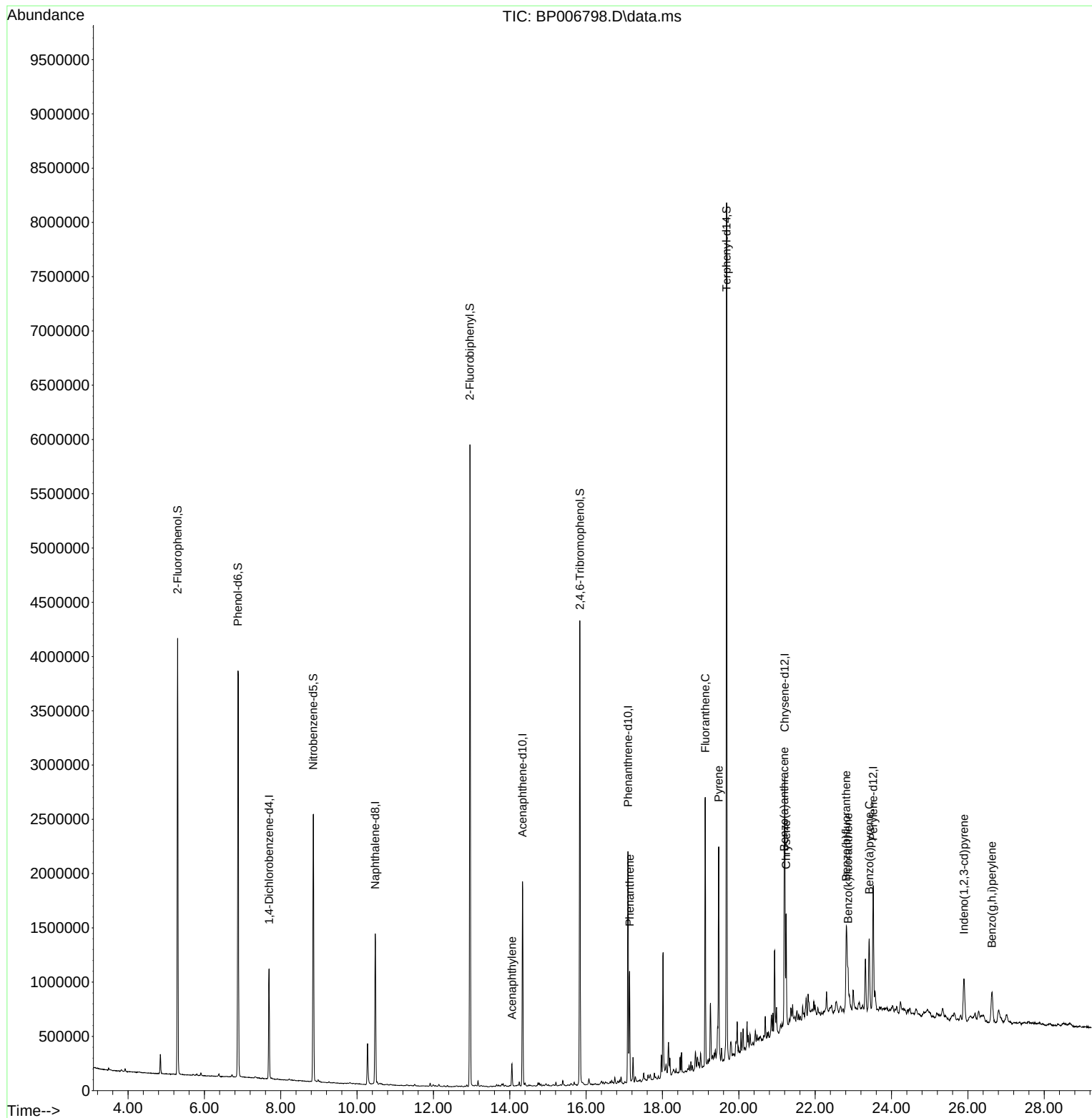
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082021\  
Data File : BP006798.D  
Acq On : 20 Aug 2021 13:50  
Operator : CG/JU  
Sample : M3397-06  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

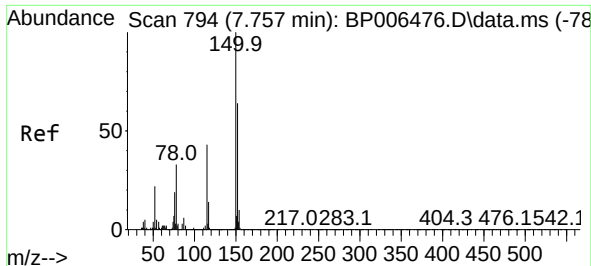
Instrument :  
BNA\_P  
ClientSampleId :  
SWCS-07-0510

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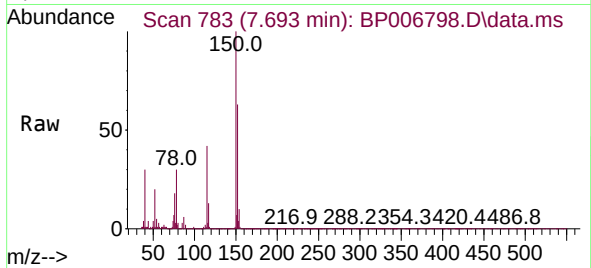
Quant Time: Aug 20 14:29:16 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 20 11:25:25 2021  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.693 min Scan# 783  
Delta R.T. -0.000 min  
Lab File: BP006798.D  
Acq: 20 Aug 2021 13:50

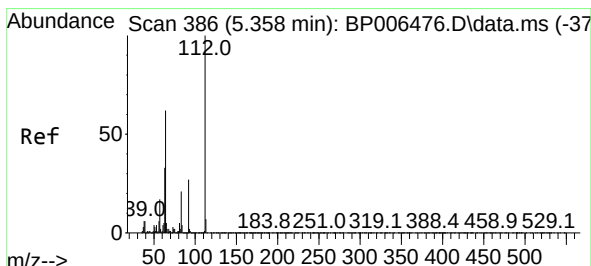
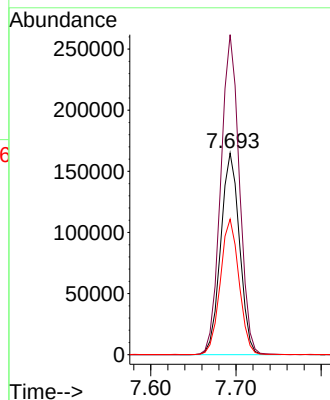
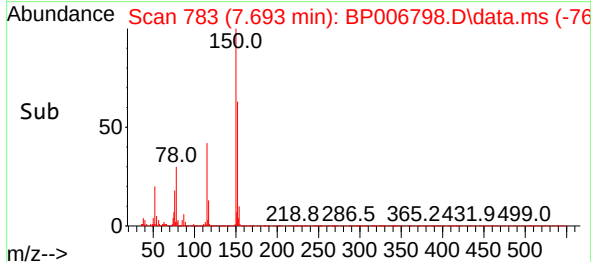
Instrument :  
BNA\_P  
ClientSampleId :  
SWCS-07-0510



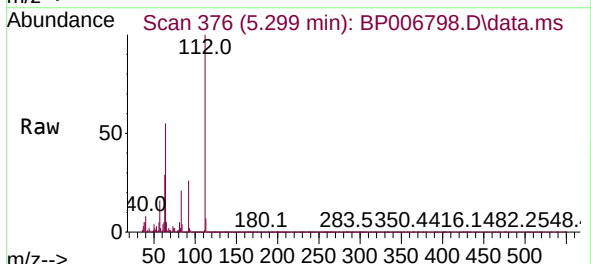
Tgt Ion:152 Resp: 252929  
Ion Ratio Lower Upper  
152 100  
150 158.7 125.6 188.4  
115 67.2 48.5 72.7

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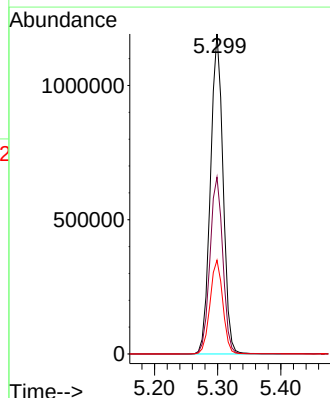
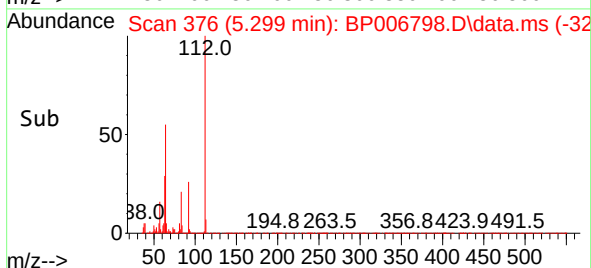
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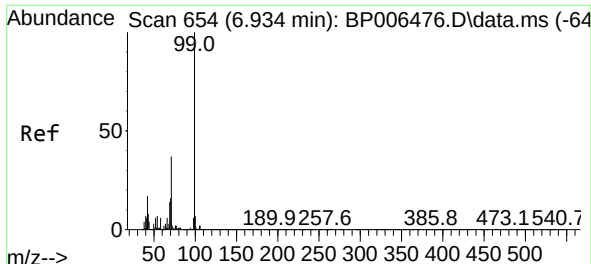


#5  
2-Fluorophenol  
Concen: 100.419 ng  
RT: 5.299 min Scan# 376  
Delta R.T. 0.006 min  
Lab File: BP006798.D  
Acq: 20 Aug 2021 13:50



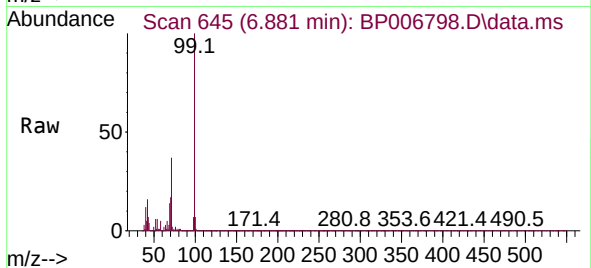
Tgt Ion:112 Resp: 1653628  
Ion Ratio Lower Upper  
112 100  
64 55.3 41.4 62.2  
63 29.3 23.8 35.8





#7  
Phenol-d6  
Concen: 91.848 ng  
RT: 6.881 min Scan# 645  
Delta R.T. 0.000 min  
Lab File: BP006798.D  
Acq: 20 Aug 2021 13:50

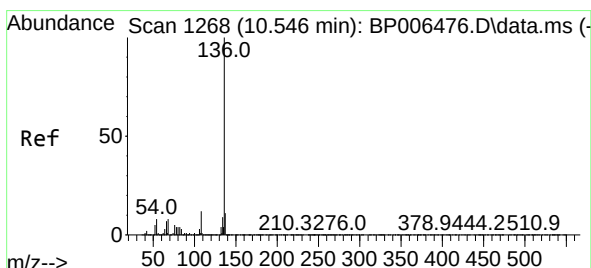
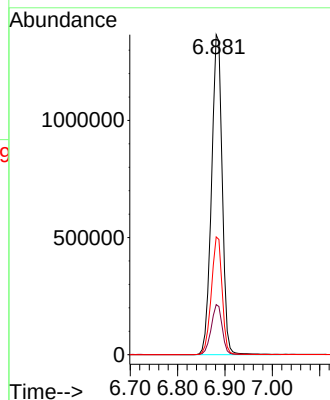
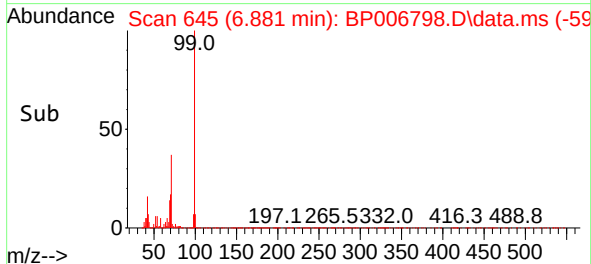
Instrument :  
BNA\_P  
ClientSampleId :  
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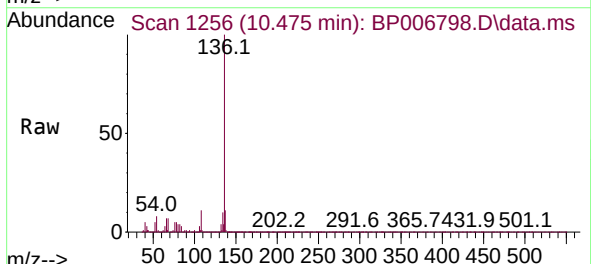
Tgt Ion: 99 Resp: 2148516  
Ion Ratio Lower Upper  
99 100  
42 15.7 13.4 20.0  
71 36.8 30.6 46.0

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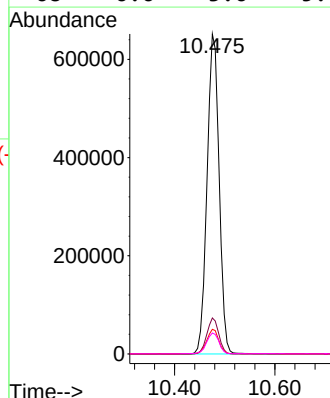
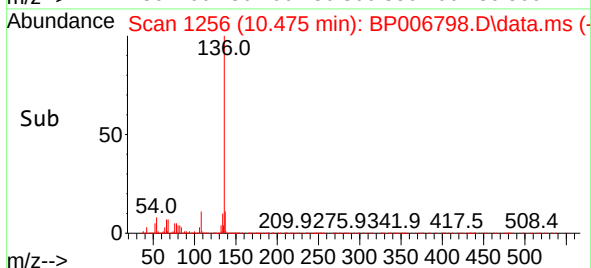
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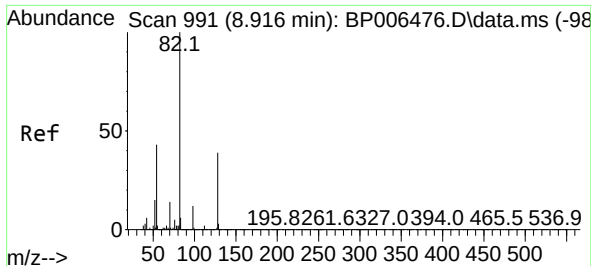


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.475 min Scan# 1256  
Delta R.T. 0.000 min  
Lab File: BP006798.D  
Acq: 20 Aug 2021 13:50



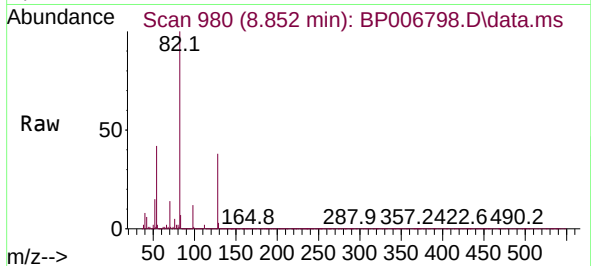
Tgt Ion: 136 Resp: 1088164  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.6 12.8  
54 7.7 4.6 6.8#  
68 6.6 3.6 5.4#





#23  
Nitrobenzene-d5  
Concen: 63.905 ng  
RT: 8.852 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: BP006798.D  
Acq: 20 Aug 2021 13:50

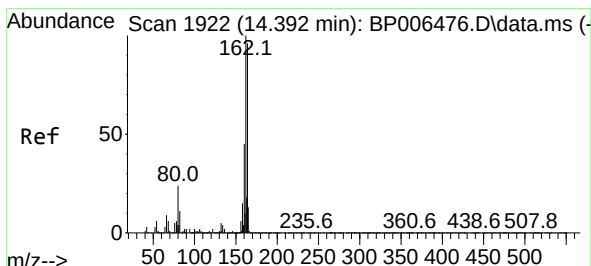
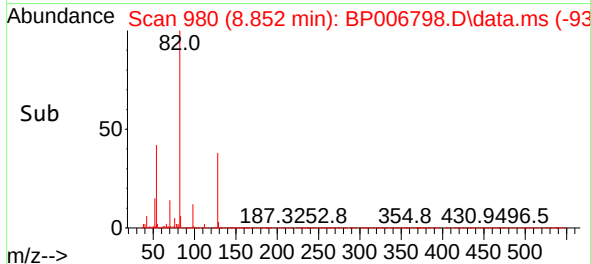
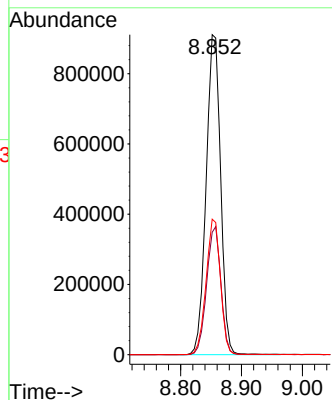
Instrument :  
BNA\_P  
ClientSampleId :  
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Tgt Ion: 82 Resp: 1506556  
Ion Ratio Lower Upper  
82 100  
128 38.3 35.7 53.5  
54 42.4 35.0 52.4

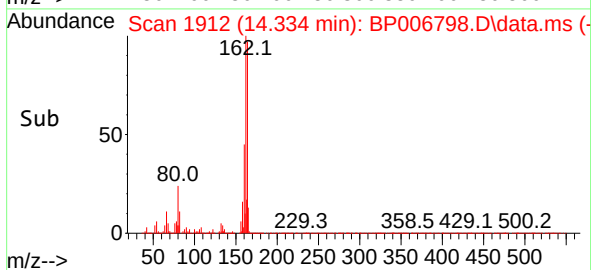
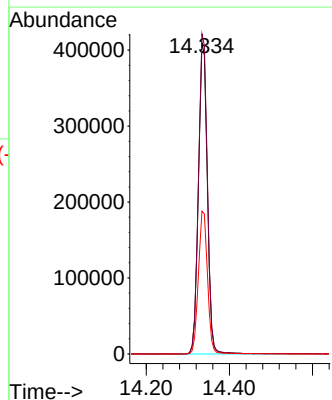
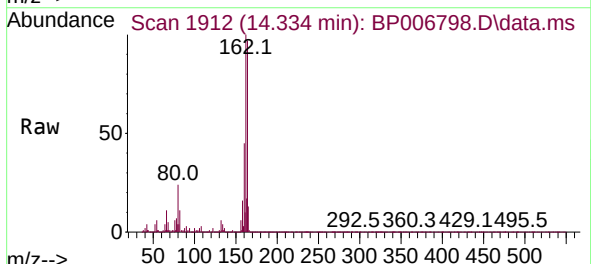
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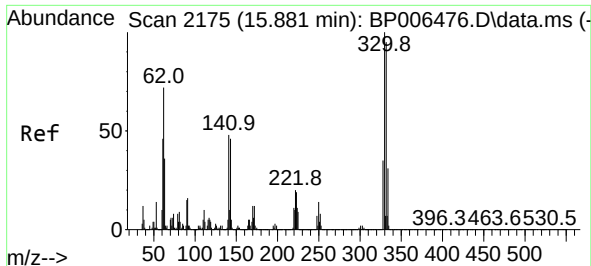
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#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.334 min Scan# 1912  
Delta R.T. -0.006 min  
Lab File: BP006798.D  
Acq: 20 Aug 2021 13:50

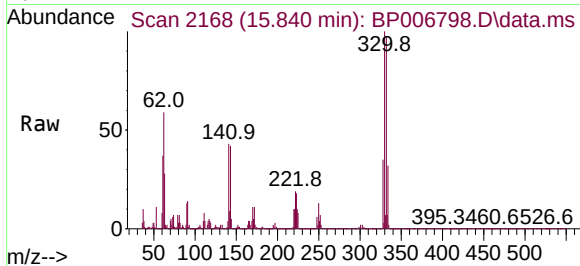
Tgt Ion: 164 Resp: 612232  
Ion Ratio Lower Upper  
164 100  
162 102.8 80.2 120.2  
160 45.9 34.5 51.7





#42  
2,4,6-Tribromophenol  
Concen: 104.036 ng  
RT: 15.840 min Scan# 2168  
Delta R.T. 0.000 min  
Lab File: BP006798.D  
Acq: 20 Aug 2021 13:50

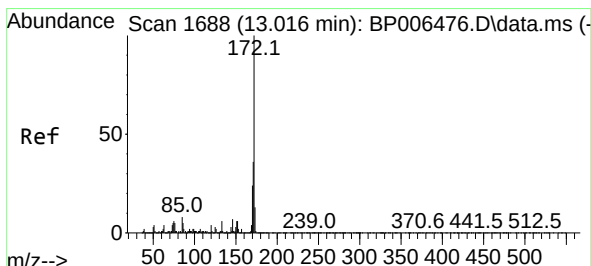
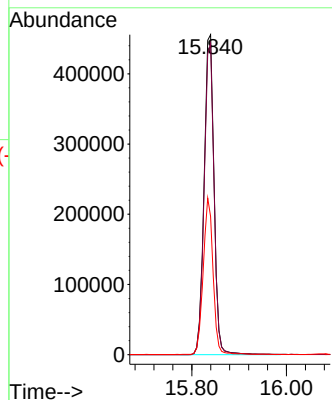
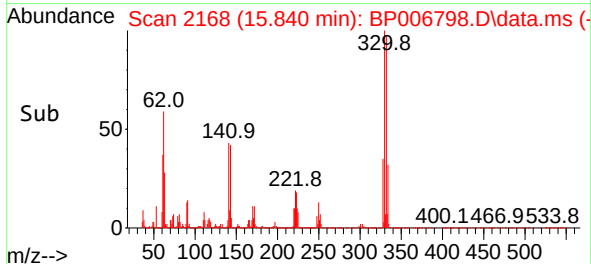
Instrument :  
BNA\_P  
ClientSampleId :  
SWCS-07-0510



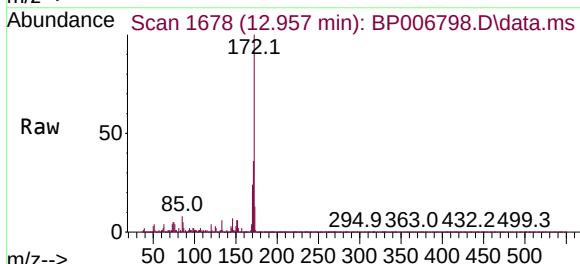
Tgt Ion:330 Resp: 665677  
Ion Ratio Lower Upper  
330 100  
332 96.4 77.8 116.8  
141 48.4 25.4 38.2#

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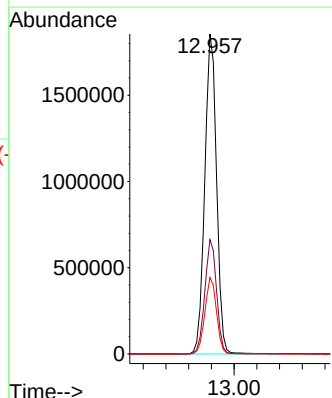
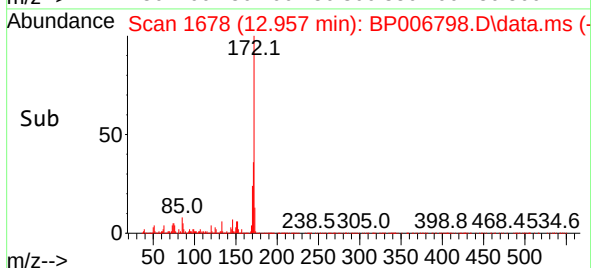
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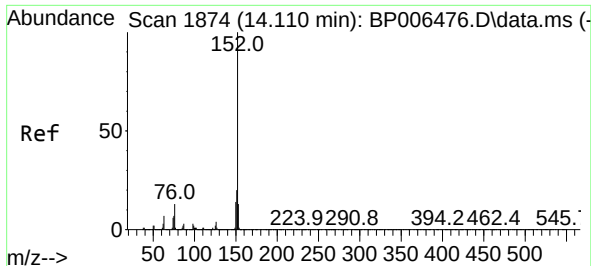


#45  
2-Fluorobiphenyl  
Concen: 65.153 ng  
RT: 12.957 min Scan# 1678  
Delta R.T. 0.000 min  
Lab File: BP006798.D  
Acq: 20 Aug 2021 13:50



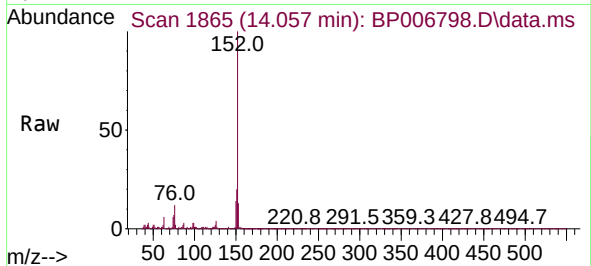
Tgt Ion:172 Resp: 2666117  
Ion Ratio Lower Upper  
172 100  
171 35.7 27.9 41.9  
170 23.9 18.6 27.8





#49  
Acenaphthylene  
Concen: 2.544 ng  
RT: 14.057 min Scan# 1865  
Delta R.T. 0.000 min  
Lab File: BP006798.D  
Acq: 20 Aug 2021 13:50

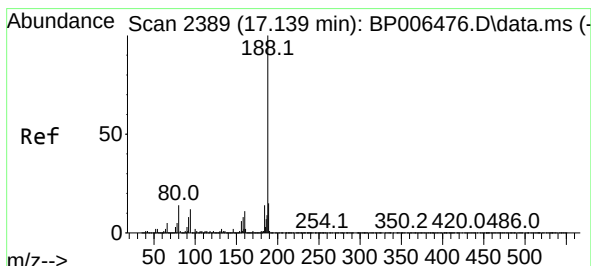
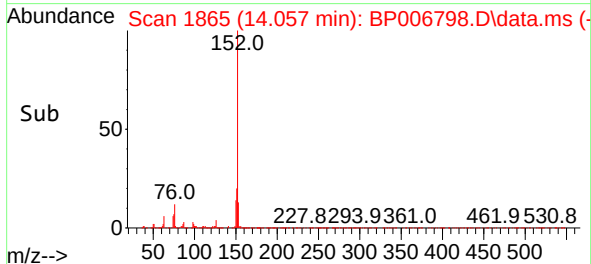
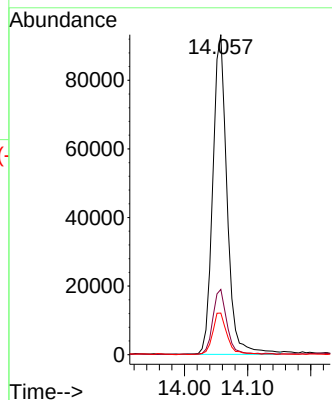
Instrument :  
BNA\_P  
ClientSampleId :  
SWCS-07-0510



Tgt Ion:152 Resp: 146358  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.2 24.2  
153 13.0 10.6 16.0

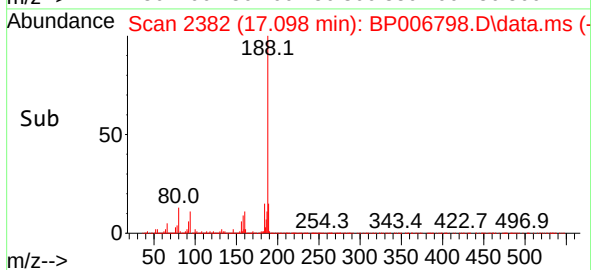
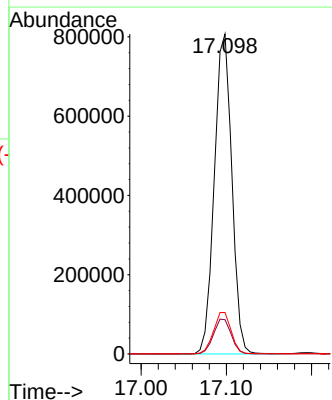
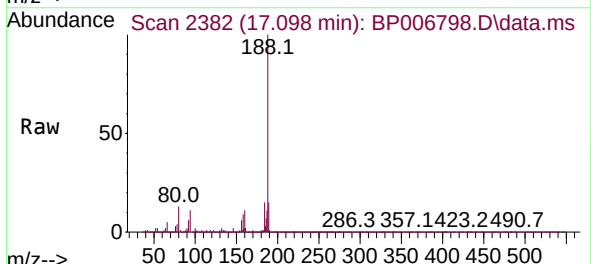
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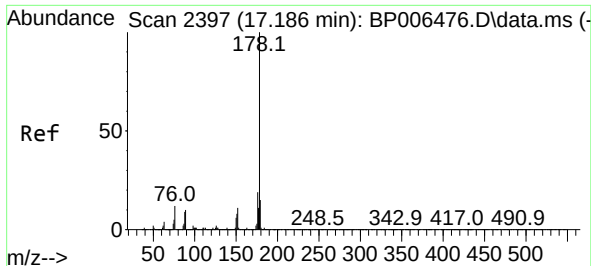
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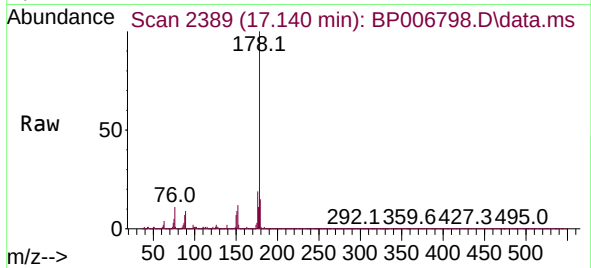
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Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.098 min Scan# 2382  
Delta R.T. 0.000 min  
Lab File: BP006798.D  
Acq: 20 Aug 2021 13:50

Tgt Ion:188 Resp: 1150971  
Ion Ratio Lower Upper  
188 100  
94 10.7 5.6 8.4#  
80 13.0 6.3 9.5#

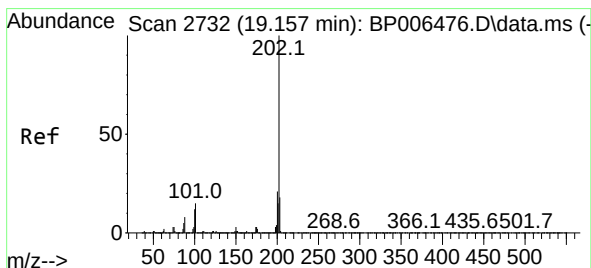
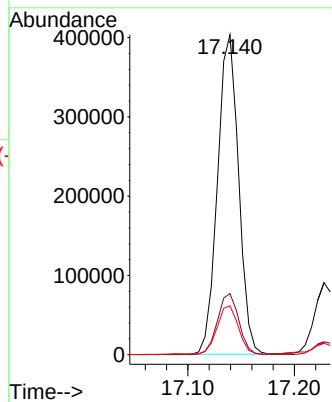
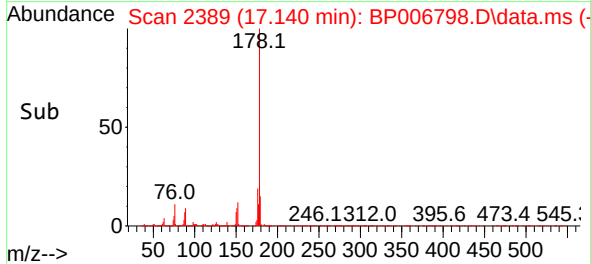




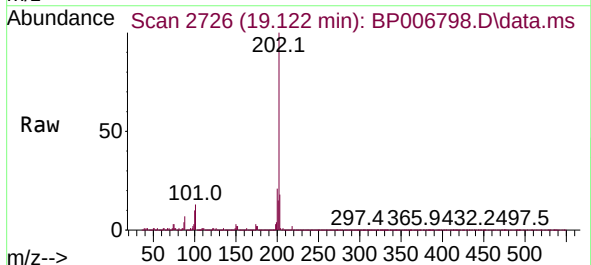
#71  
Phenanthrene  
Concen: 8.509 ng  
RT: 17.140 min Scan# 2389  
Delta R.T. 0.000 min  
Lab File: BP006798.D  
Acq: 20 Aug 2021 13:50



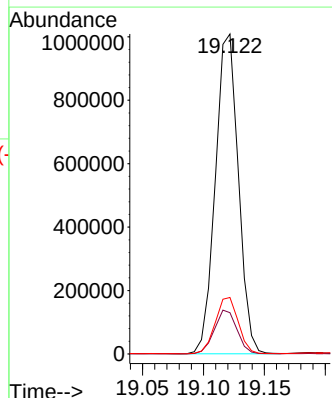
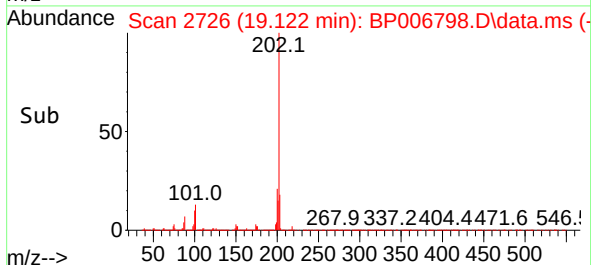
Tgt Ion:178 Resp: 552430  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.1 22.7  
179 15.3 12.4 18.6



#75  
Fluoranthene  
Concen: 18.220 ng  
RT: 19.122 min Scan# 2726  
Delta R.T. 0.000 min  
Lab File: BP006798.D  
Acq: 20 Aug 2021 13:50



Tgt Ion:202 Resp: 1327649  
Ion Ratio Lower Upper  
202 100  
101 12.9 0.0 27.6  
203 17.6 0.0 37.8

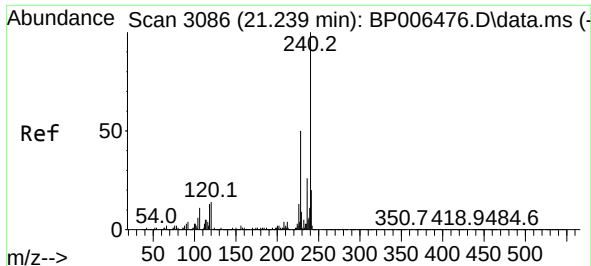


Instrument :  
BNA\_P  
ClientSampleId :  
SWCS-07-0510

Manual Integrations  
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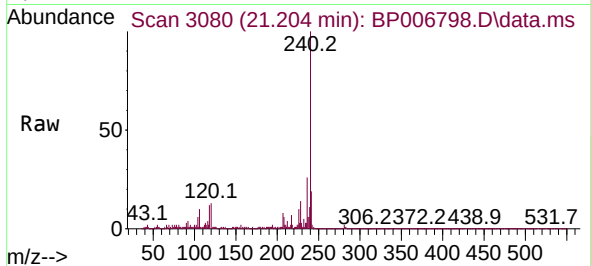
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#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.204 min Scan# 3080  
Delta R.T. 0.000 min  
Lab File: BP006798.D  
Acq: 20 Aug 2021 13:50

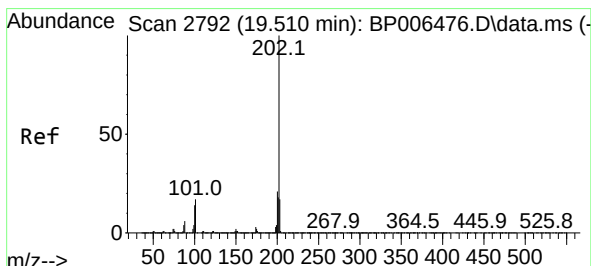
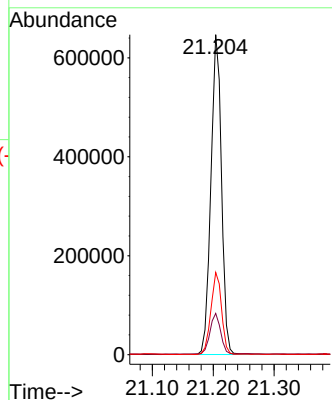
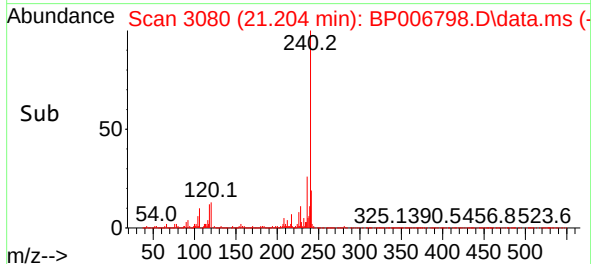
Instrument :  
BNA\_P  
ClientSampleId :  
SWCS-07-0510



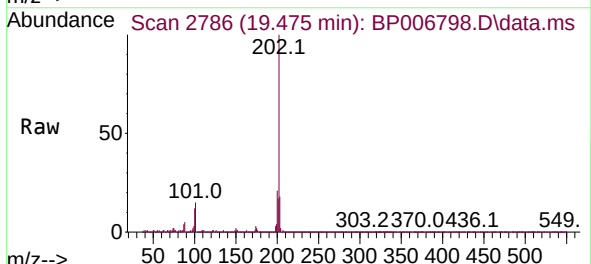
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Ion Ratio Lower Upper  
240 100  
120 12.9 6.5 9.7#  
236 25.7 20.6 31.0

Manual Integrations  
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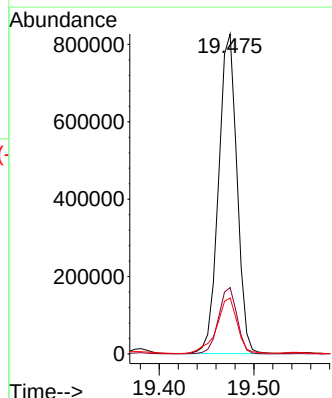
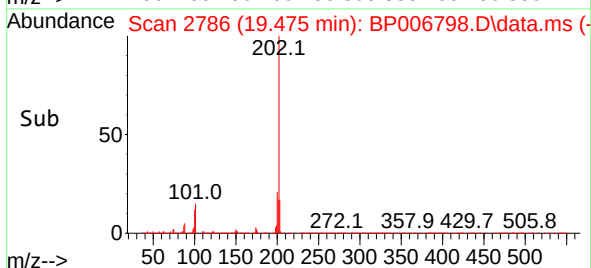
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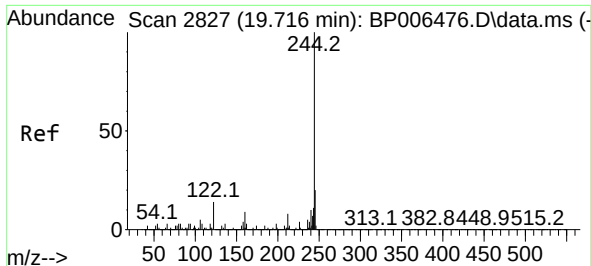


#78  
Pyrene  
Concen: 21.443 ng  
RT: 19.475 min Scan# 2786  
Delta R.T. 0.000 min  
Lab File: BP006798.D  
Acq: 20 Aug 2021 13:50



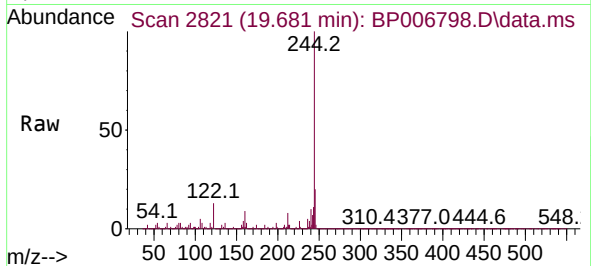
Tgt Ion:202 Resp: 1118136  
Ion Ratio Lower Upper  
202 100  
200 20.8 16.3 24.5  
203 17.5 14.2 21.2





#79  
 Terphenyl-d14  
 Concen: 80.456 ng  
 RT: 19.681 min Scan# 2821  
 Delta R.T. 0.000 min  
 Lab File: BP006798.D  
 Acq: 20 Aug 2021 13:50

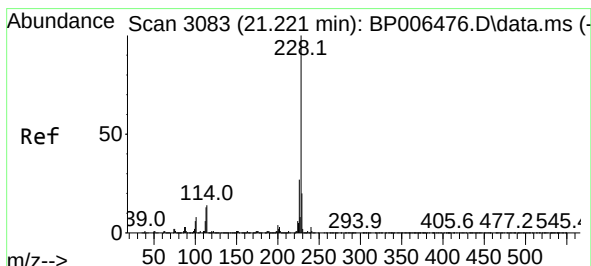
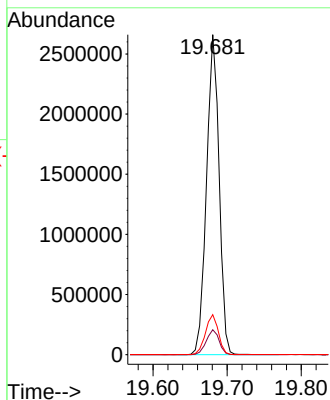
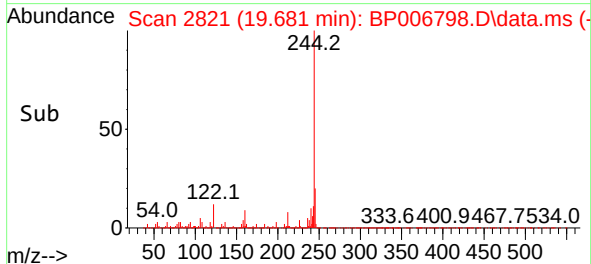
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SWCS-07-0510



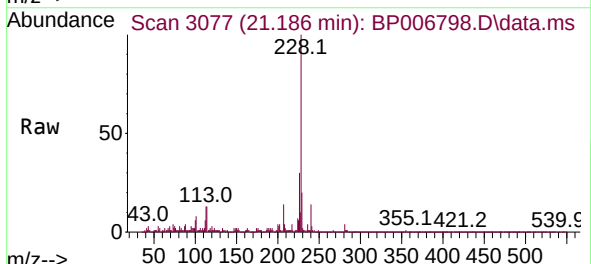
Tgt Ion:244 Resp: 3134524  
 Ion Ratio Lower Upper  
 244 100  
 212 7.8 6.0 9.0  
 122 12.5 7.1 10.7#

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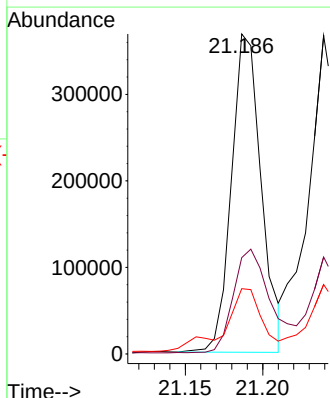
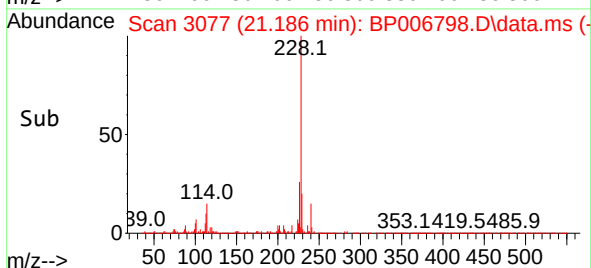
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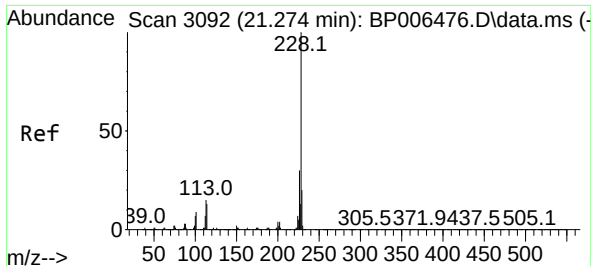


#81  
 Benzo(a)anthracene  
 Concen: 9.636 ng  
 RT: 21.186 min Scan# 3077  
 Delta R.T. -0.006 min  
 Lab File: BP006798.D  
 Acq: 20 Aug 2021 13:50



Tgt Ion:228 Resp: 491637  
 Ion Ratio Lower Upper  
 228 100  
 226 30.1 21.6 32.4  
 229 20.4 15.8 23.6





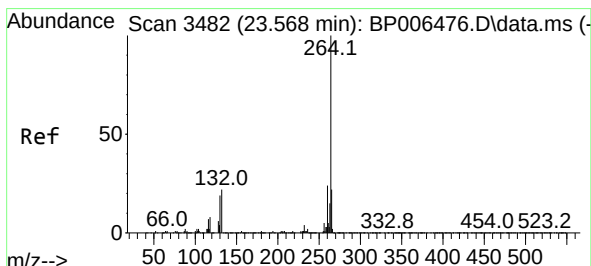
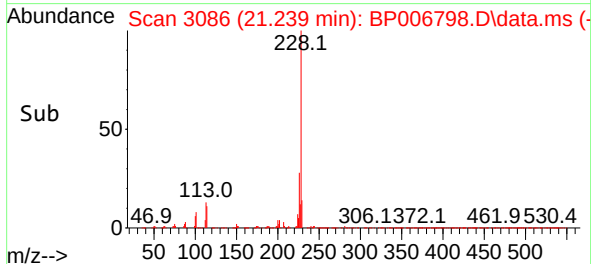
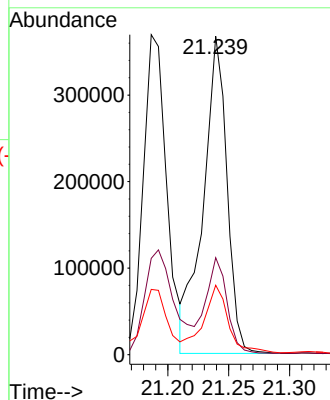
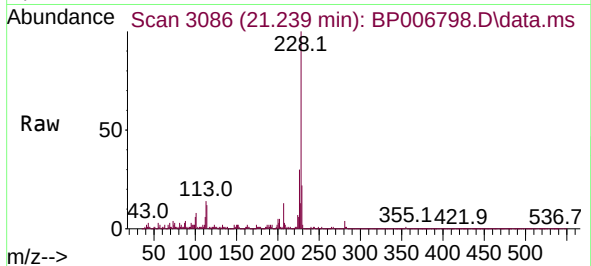
#83  
Chrysene  
Concen: 10.088 ng  
RT: 21.239 min Scan# 3086  
Delta R.T. -0.006 min  
Lab File: BP006798.D  
Acq: 20 Aug 2021 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.5  | 23.8  | 35.6  |
| 229     | 21.8  | 15.4  | 23.2  |

Instrument :  
BNA\_P  
ClientSampleId :  
SWCS-07-0510

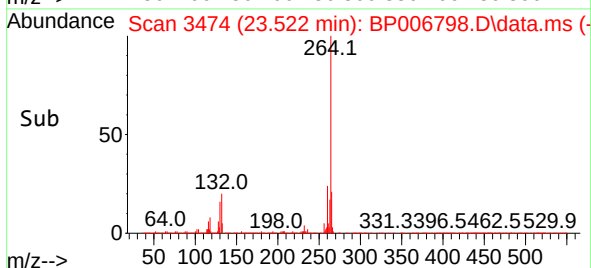
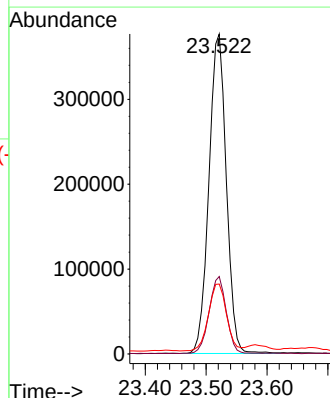
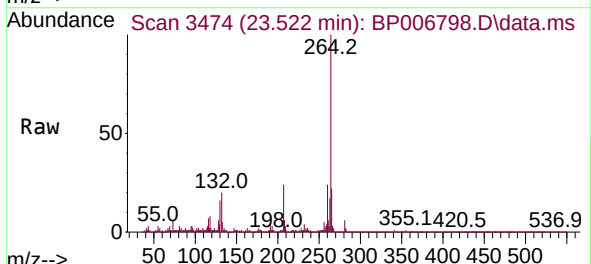
Manual Integrations  
APPROVED

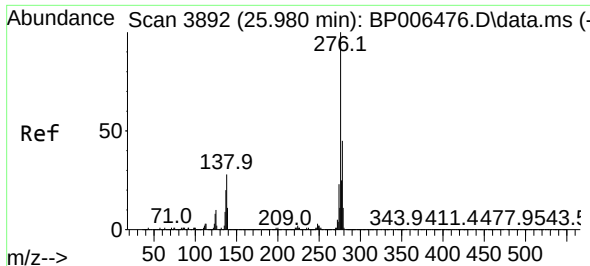
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#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.522 min Scan# 3474  
Delta R.T. 0.006 min  
Lab File: BP006798.D  
Acq: 20 Aug 2021 13:50

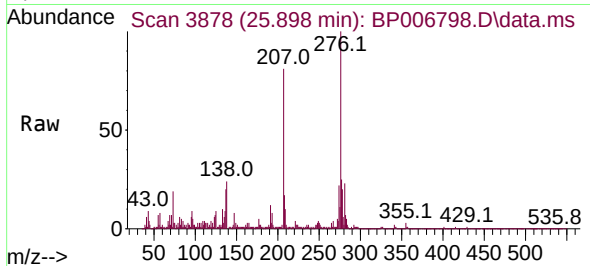
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 18.6  | 28.0  |
| 265     | 21.9  | 17.6  | 26.4  |





#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 6.213 ng m  
 RT: 25.898 min Scan# 3878  
 Delta R.T. -0.006 min  
 Lab File: BP006798.D  
 Acq: 20 Aug 2021 13:50

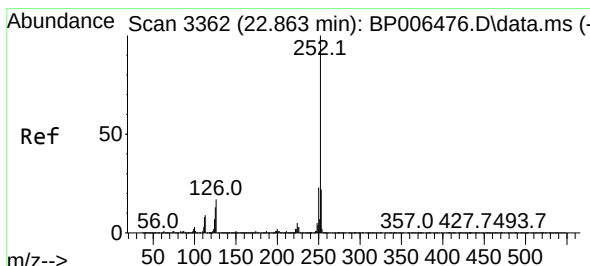
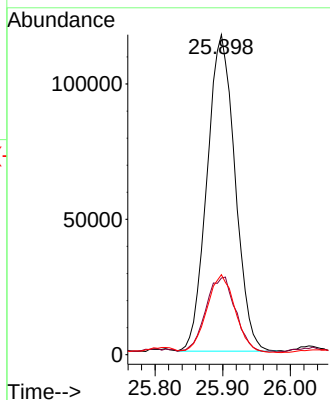
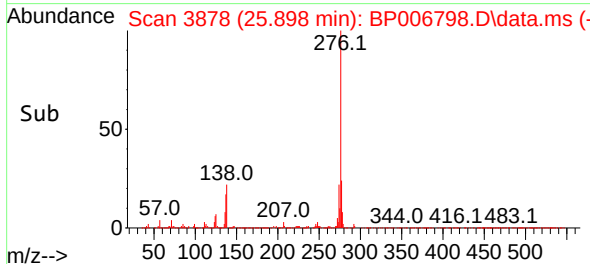
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SWCS-07-0510



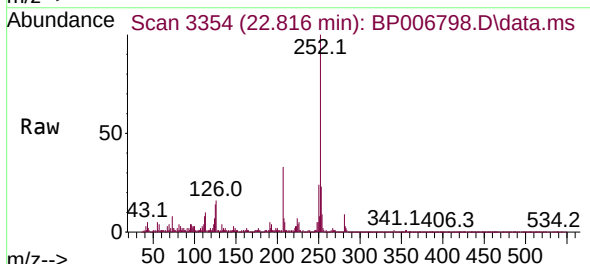
Tgt Ion: 276 Resp: 336162  
 Ion Ratio Lower Upper  
 276 100  
 138 2.0 15.3 22.9#  
 277 2.5 20.4 30.6#

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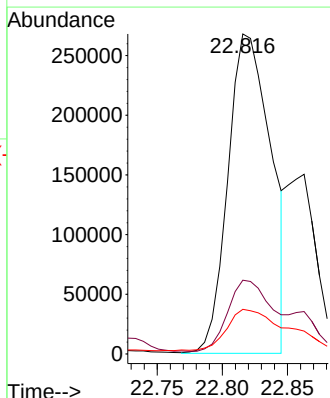
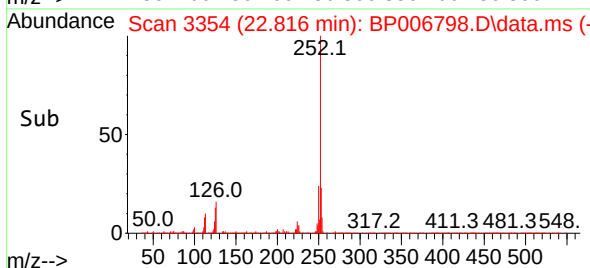
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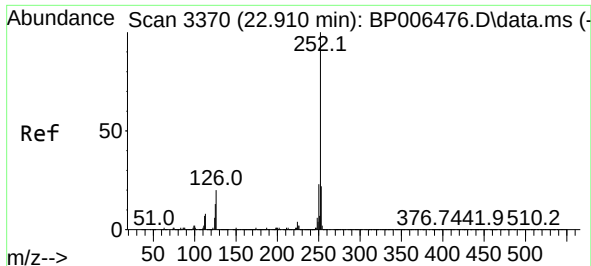


#88  
 Benzo(b)fluoranthene  
 Concen: 12.674 ng m  
 RT: 22.816 min Scan# 3354  
 Delta R.T. 0.000 min  
 Lab File: BP006798.D  
 Acq: 20 Aug 2021 13:50



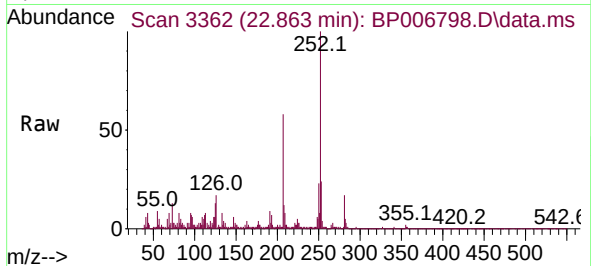
Tgt Ion: 252 Resp: 614619  
 Ion Ratio Lower Upper  
 252 100  
 253 23.0 17.5 26.3  
 125 13.9 6.2 9.4#





#89  
Benzo(k)fluoranthene  
Concen: 5.033 ng m  
RT: 22.863 min Scan# 3362  
Delta R.T. 0.000 min  
Lab File: BP006798.D  
Acq: 20 Aug 2021 13:50

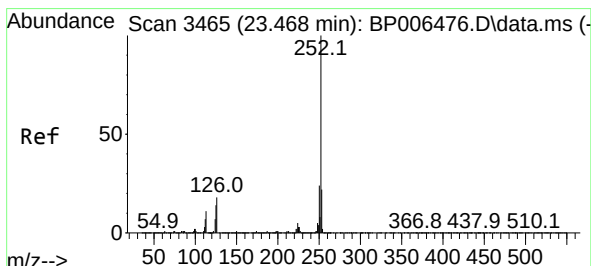
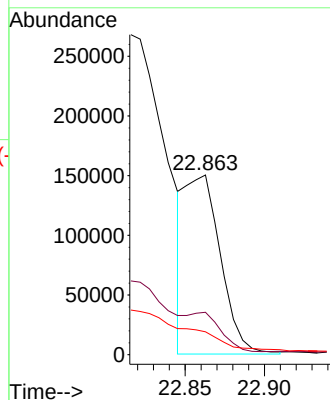
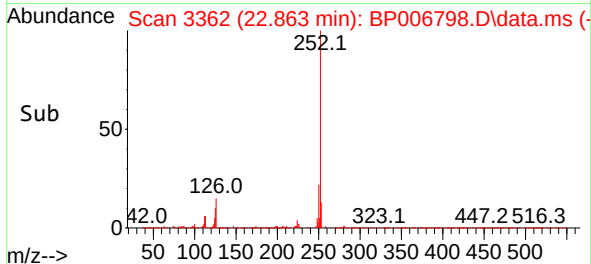
Instrument :  
BNA\_P  
ClientSampleId :  
SWCS-07-0510



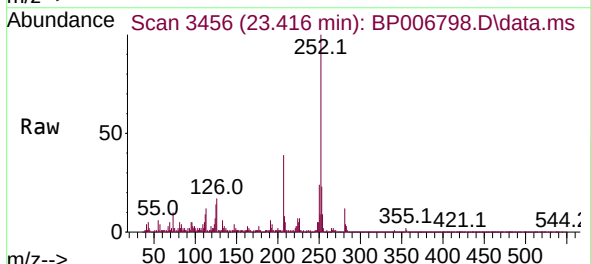
Tgt Ion:252 Resp: 234335  
Ion Ratio Lower Upper  
252 100  
253 23.6 17.6 26.4  
125 12.8 6.0 9.0#

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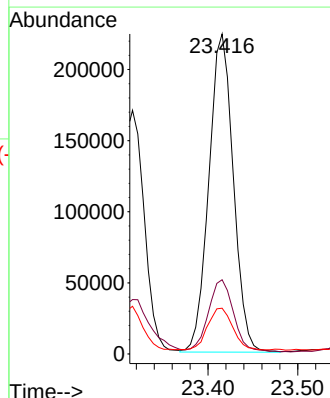
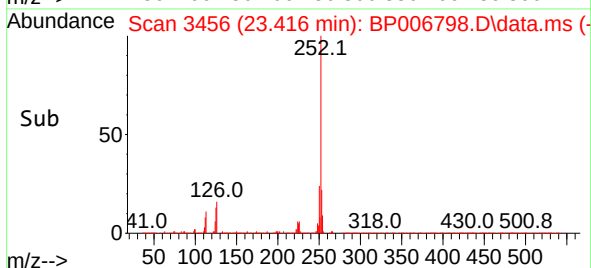
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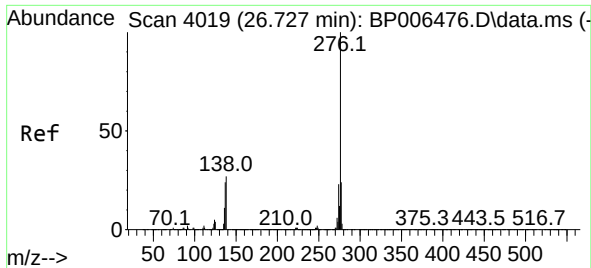


#90  
Benzo(a)pyrene  
Concen: 9.745 ng  
RT: 23.416 min Scan# 3456  
Delta R.T. 0.000 min  
Lab File: BP006798.D  
Acq: 20 Aug 2021 13:50



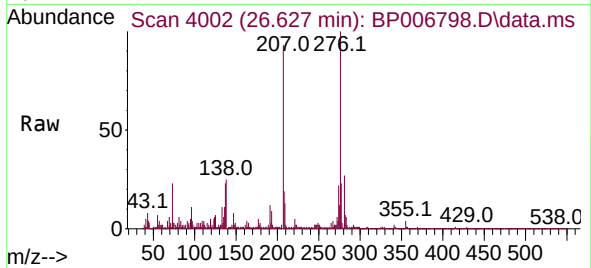
Tgt Ion:252 Resp: 423857  
Ion Ratio Lower Upper  
252 100  
253 23.2 17.9 26.9  
125 14.3 6.5 9.7#





#92  
Benzo(g,h,i)perylene  
Concen: 7.556 ng  
RT: 26.627 min Scan# 4002  
Delta R.T. -0.011 min  
Lab File: BP006798.D  
Acq: 20 Aug 2021 13:50

Instrument :  
BNA\_P  
ClientSampleId :  
SWCS-07-0510



Tgt Ion: 276 Resp: 338724  
Ion Ratio Lower Upper  
276 100  
277 23.0 18.9 28.3  
138 25.4 12.6 18.8#

Manual Integrations  
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