

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092321\  
 Data File : BP007127.D  
 Acq On : 23 Sep 2021 15:42  
 Operator : CG/JU  
 Sample : M3871-03  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SS03-BL-(0.0)

Manual Integrations  
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 9/24/2021 5:31:05 PM

Quant Time: Sep 23 16:08:25 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP092121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 23 11:17:25 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.899  | 152  | 294116   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.698 | 136  | 1162694  | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.528 | 164  | 734798   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.275 | 188  | 1500520  | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.369 | 240  | 1435808  | 20.000 | ng    | # 0.01   |
| 86) Perylene-d12              | 23.810 | 264  | 1612784  | 20.000 | ng    | 0.04     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.475  | 112  | 1430327  | 81.406 | ng    | 0.01     |
| 7) Phenol-d6                  | 7.069  | 99   | 1843385  | 76.762 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.057  | 82   | 1110923  | 55.643 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.022 | 330  | 884656   | 92.865 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.157 | 172  | 2954859  | 57.610 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.839 | 244  | 4202348  | 56.085 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene              | 17.322 | 178  | 285664m  | 3.551  | ng    |          |
| 72) Anthracene                | 17.410 | 178  | 164556   | 2.091  | ng    | # 96     |
| 75) Fluoranthene              | 19.286 | 202  | 923089   | 9.958  | ng    | 95       |
| 78) Pyrene                    | 19.639 | 202  | 896743   | 9.519  | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.357 | 228  | 563086   | 6.042  | ng    | # 90     |
| 83) Chrysene                  | 21.410 | 228  | 599406   | 6.729  | ng    | # 89     |
| 84) Bis(2-ethylhexyl)phtha... | 21.280 | 149  | 213210   | 3.931  | ng    | # 77     |
| 87) Indeno(1,2,3-cd)pyrene    | 26.368 | 276  | 445821   | 3.846  | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 23.063 | 252  | 924310m  | 9.590  | ng    |          |
| 89) Benzo(k)fluoranthene      | 23.104 | 252  | 262090m  | 2.686  | ng    |          |
| 90) Benzo(a)pyrene            | 23.698 | 252  | 550357   | 6.721  | ng    | # 38     |
| 92) Benzo(g,h,i)perylene      | 27.156 | 276  | 467951   | 4.937  | ng    | # 76     |
| -----                         |        |      |          |        |       |          |

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

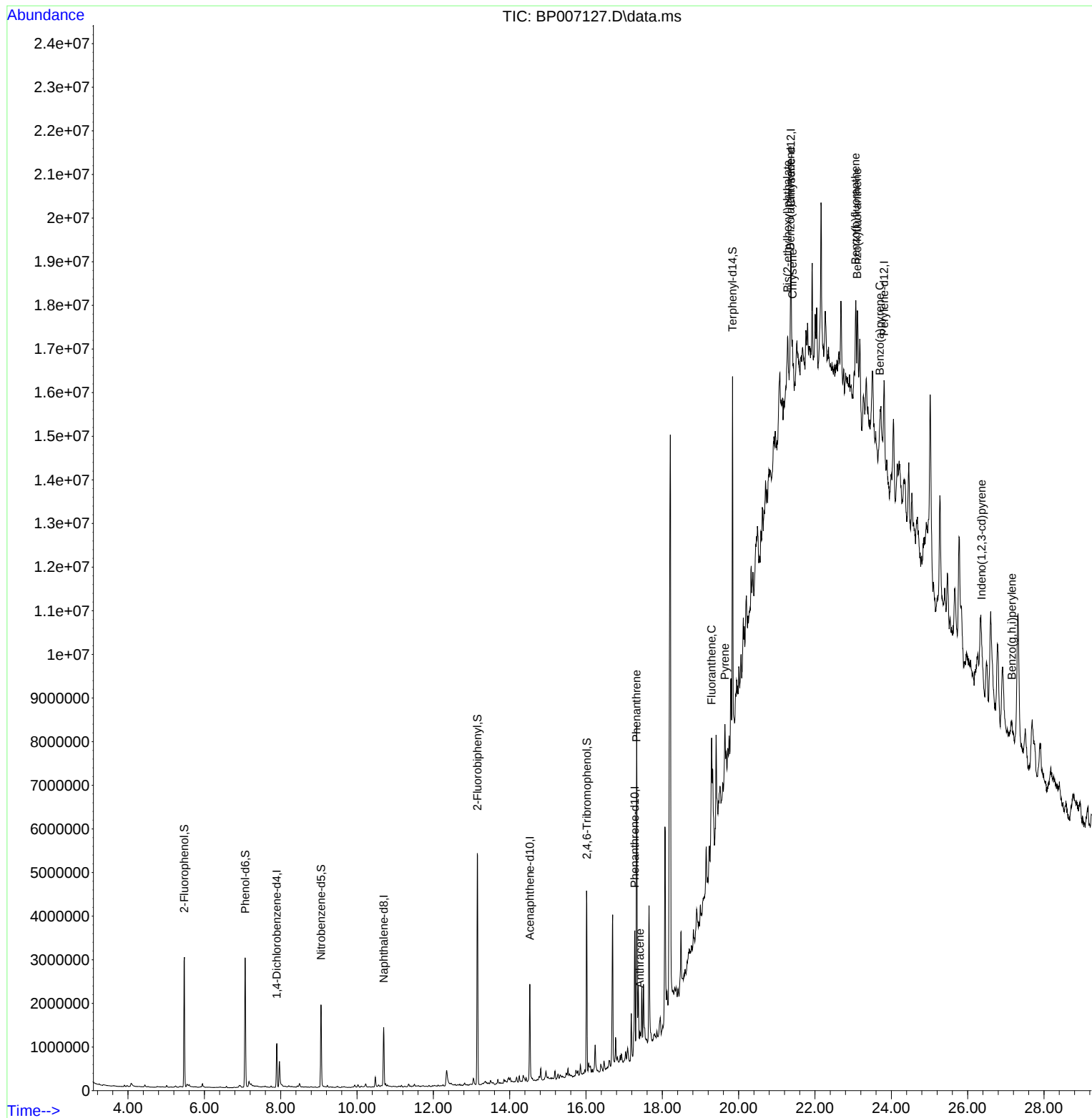
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092321\  
Data File : BP007127.D  
Acq On : 23 Sep 2021 15:42  
Operator : CG/JU  
Sample : M3871-03  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

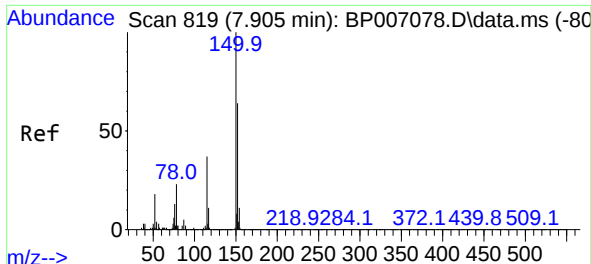
Instrument :  
BNA\_P  
ClientSampleId :  
SS03-BL-(0.0)

Manual Integrations  
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Quant Time: Sep 23 16:08:25 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP092121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 23 11:17:25 2021  
Response via : Initial Calibration





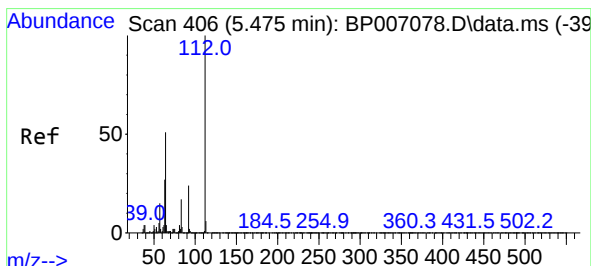
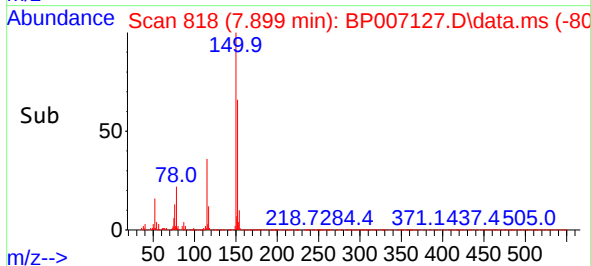
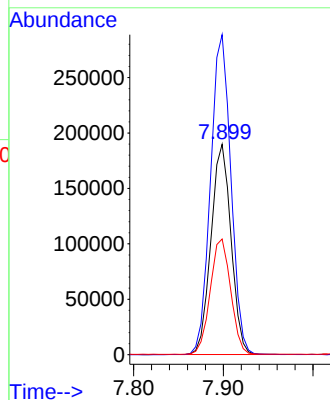
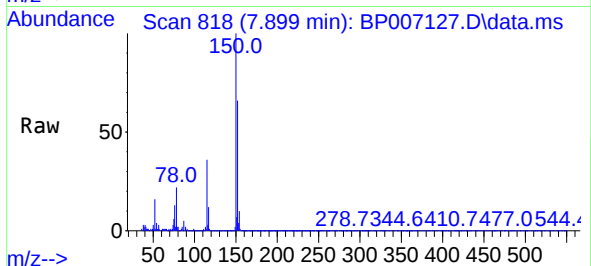
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.899 min Scan# 818  
Delta R.T. 0.006 min  
Lab File: BP007127.D  
Acq: 23 Sep 2021 15:42

Tgt Ion:152 Resp: 294116  
Ion Ratio Lower Upper  
152 100  
150 152.0 125.6 188.4  
115 54.9 48.5 72.7

Instrument :  
BNA\_P  
ClientSampleId :  
SS03-BL-(0.0)

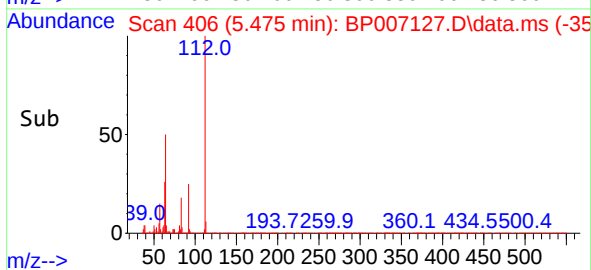
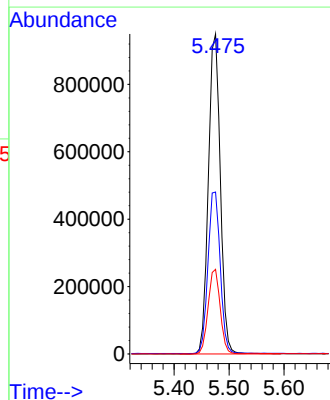
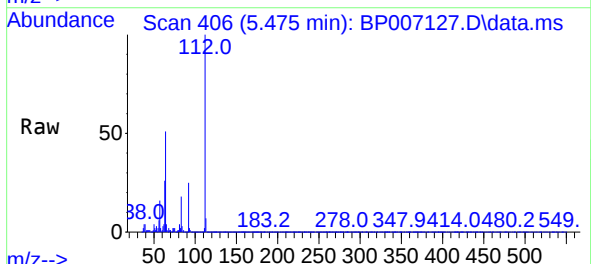
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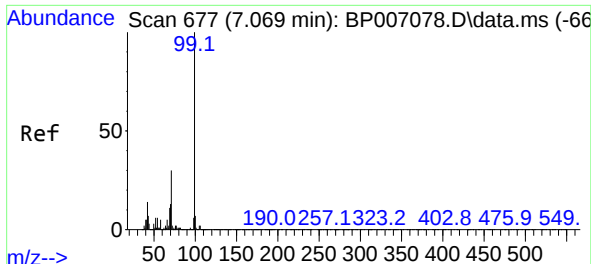
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#5  
2-Fluorophenol  
Concen: 81.406 ng  
RT: 5.475 min Scan# 406  
Delta R.T. 0.012 min  
Lab File: BP007127.D  
Acq: 23 Sep 2021 15:42

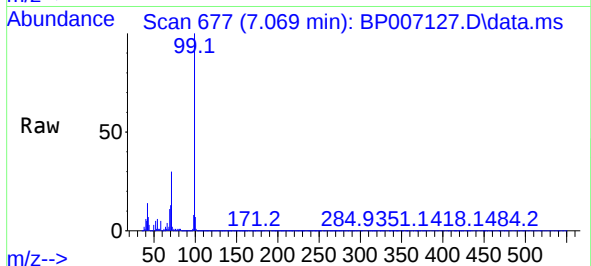
Tgt Ion:112 Resp: 1430327  
Ion Ratio Lower Upper  
112 100  
64 50.6 41.4 62.2  
63 26.5 23.8 35.8





#7  
Phenol-d6  
Concen: 76.762 ng  
RT: 7.069 min Scan# 677  
Delta R.T. 0.006 min  
Lab File: BP007127.D  
Acq: 23 Sep 2021 15:42

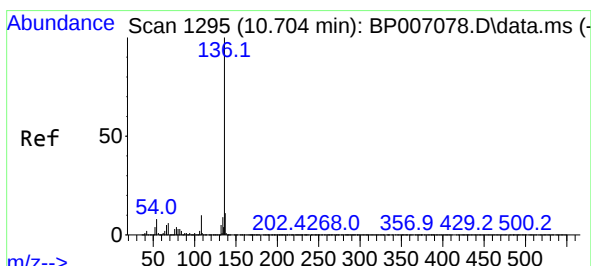
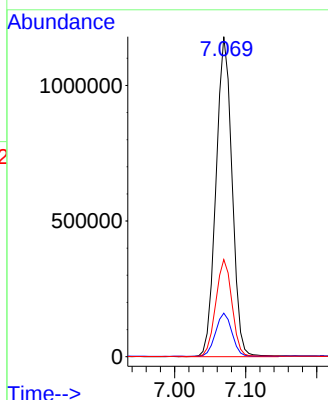
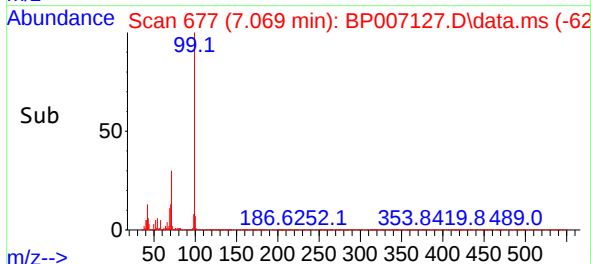
Instrument :  
BNA\_P  
ClientSampleId :  
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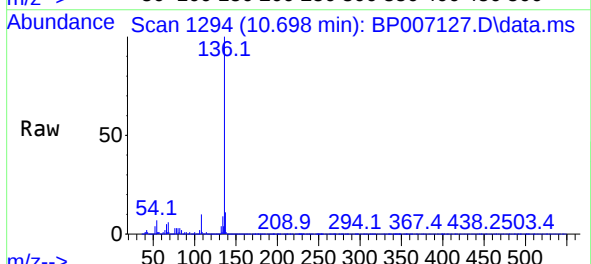
Tgt Ion: 99 Resp: 1843385  
Ion Ratio Lower Upper  
99 100  
42 13.6 13.4 20.0  
71 30.3 30.6 46.0#

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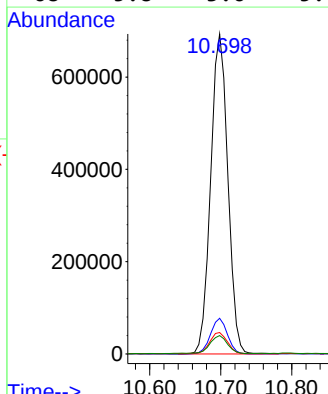
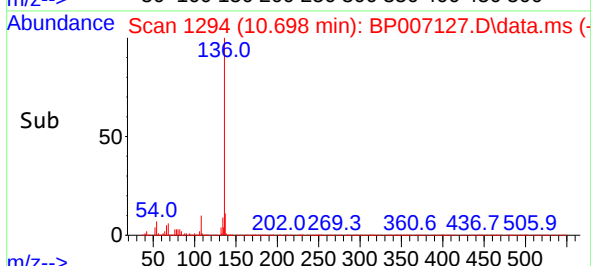
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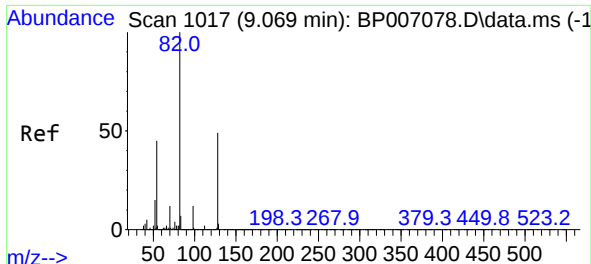


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.698 min Scan# 1294  
Delta R.T. 0.006 min  
Lab File: BP007127.D  
Acq: 23 Sep 2021 15:42



Tgt Ion: 136 Resp: 1162694  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.6 12.8  
54 6.7 4.6 6.8  
68 5.8 3.6 5.4#





#23  
Nitrobenzene-d5  
Concen: 55.643 ng  
RT: 9.057 min Scan# 1015  
Delta R.T. -0.000 min  
Lab File: BP007127.D  
Acq: 23 Sep 2021 15:42

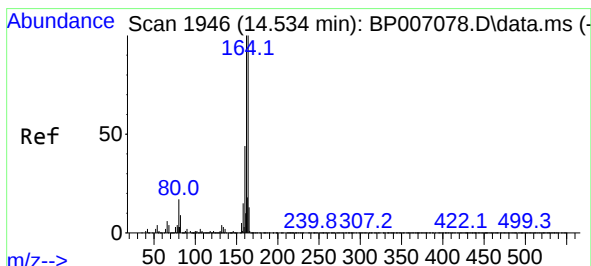
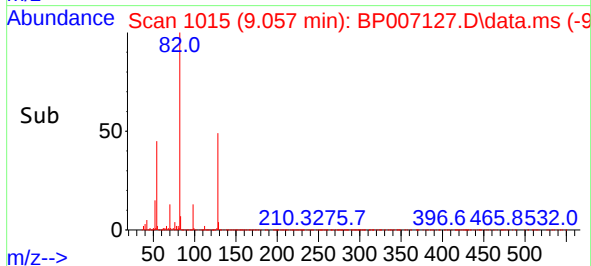
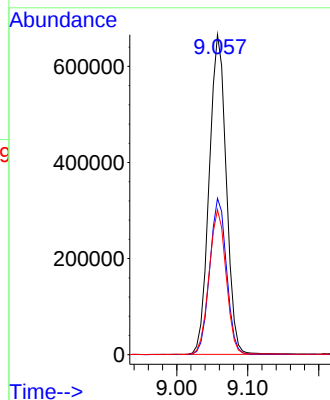
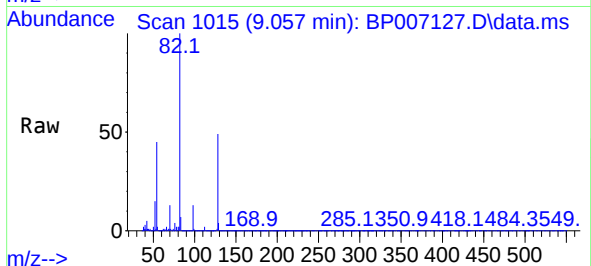
Tgt Ion: 82 Resp: 1110923

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 48.8  | 35.7  | 53.5  |
| 54  | 45.3  | 35.0  | 52.4  |

Instrument :  
BNA\_P  
ClientSampleId :  
SS03-BL-(0.0)

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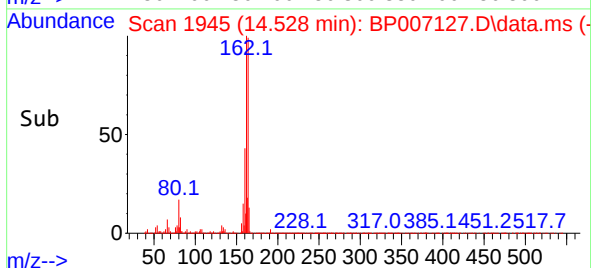
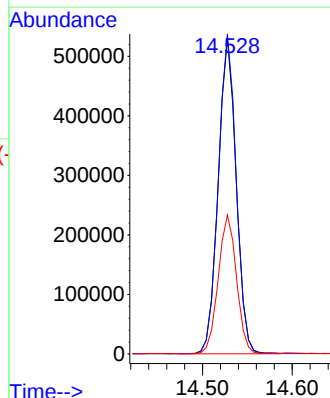
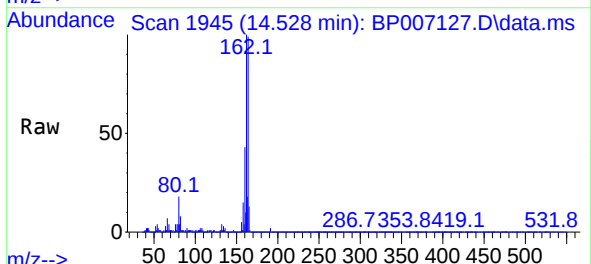
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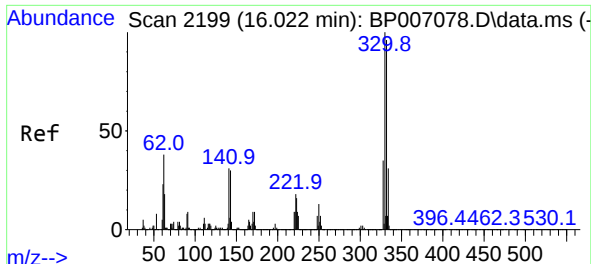


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.528 min Scan# 1945  
Delta R.T. -0.000 min  
Lab File: BP007127.D  
Acq: 23 Sep 2021 15:42

Tgt Ion: 164 Resp: 734798

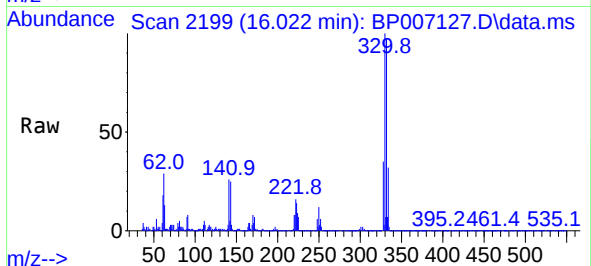
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 101.5 | 80.2  | 120.2 |
| 160 | 44.1  | 34.5  | 51.7  |





#42  
2,4,6-Tribromophenol  
Concen: 92.865 ng  
RT: 16.022 min Scan# 2199  
Delta R.T. 0.006 min  
Lab File: BP007127.D  
Acq: 23 Sep 2021 15:42

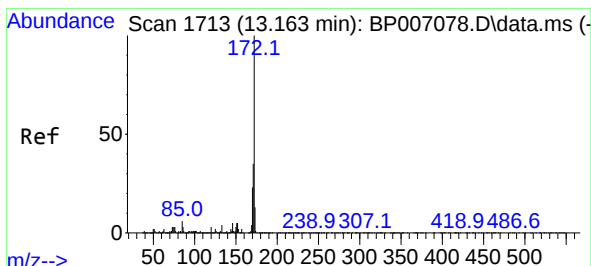
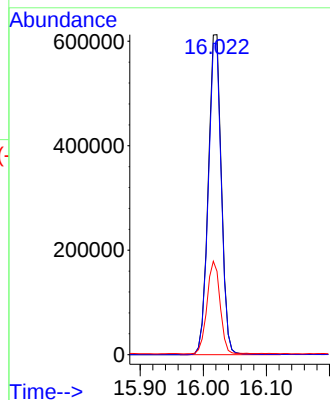
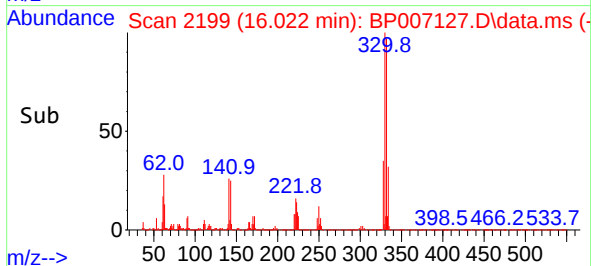
Instrument :  
BNA\_P  
ClientSampleId :  
SS03-BL-(0.0)



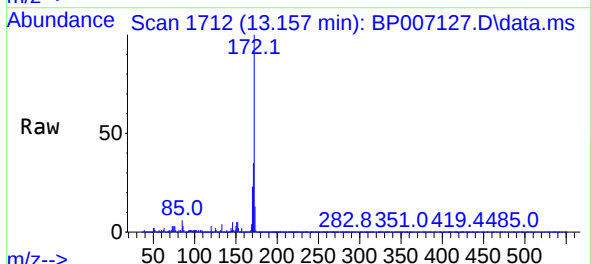
Tgt Ion:330 Resp: 884656  
Ion Ratio Lower Upper  
330 100  
332 96.9 77.8 116.8  
141 28.9 25.4 38.2

Manual Integrations  
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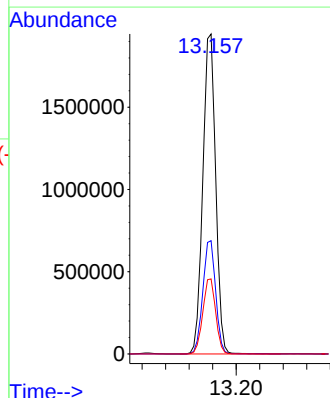
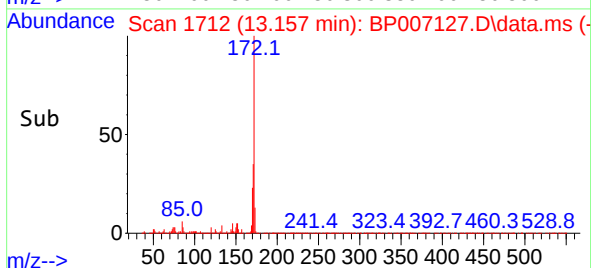
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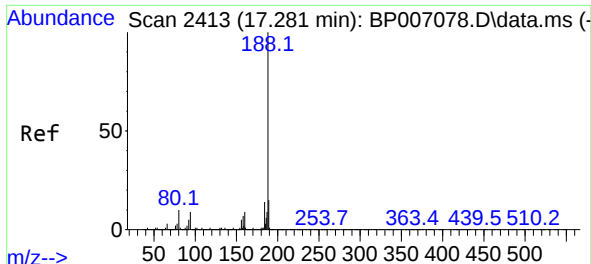


#45  
2-Fluorobiphenyl  
Concen: 57.610 ng  
RT: 13.157 min Scan# 1712  
Delta R.T. 0.006 min  
Lab File: BP007127.D  
Acq: 23 Sep 2021 15:42



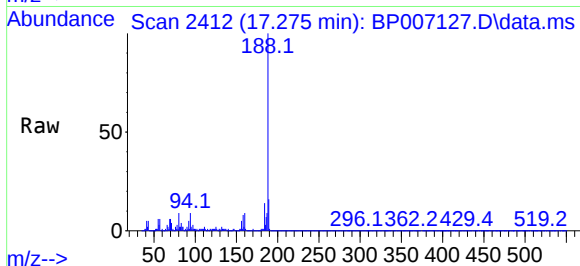
Tgt Ion:172 Resp: 2954859  
Ion Ratio Lower Upper  
172 100  
171 35.4 27.9 41.9  
170 23.5 18.6 27.8





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.275 min Scan# 2412  
Delta R.T. -0.000 min  
Lab File: BP007127.D  
Acq: 23 Sep 2021 15:42

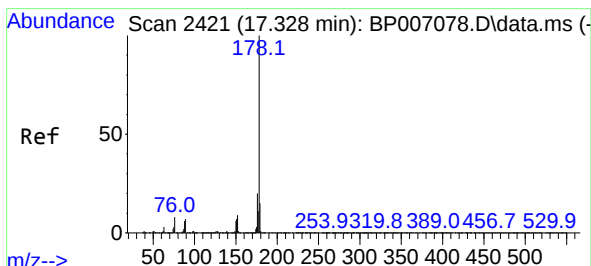
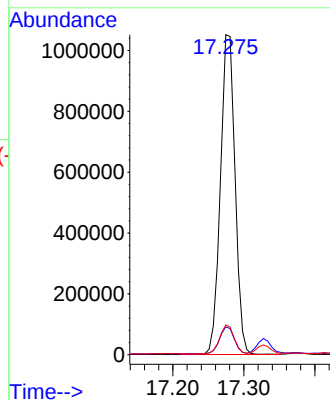
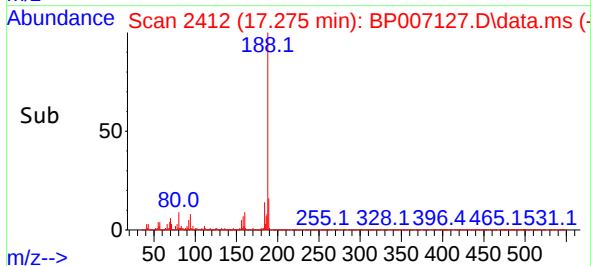
Instrument :  
BNA\_P  
ClientSampleId :  
SS03-BL-(0.0)



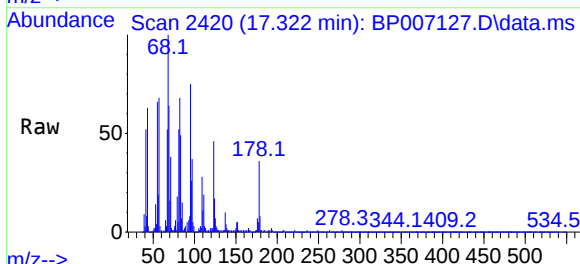
Tgt Ion:188 Resp: 1500520  
Ion Ratio Lower Upper  
188 100  
94 8.7 5.6 8.4#  
80 9.3 6.3 9.5

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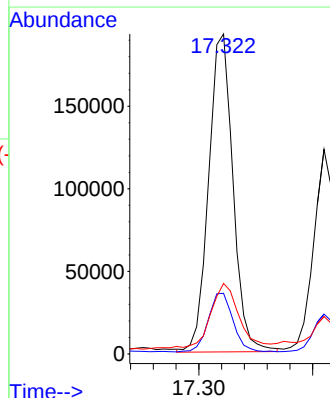
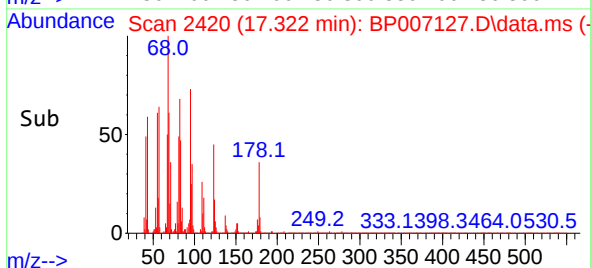
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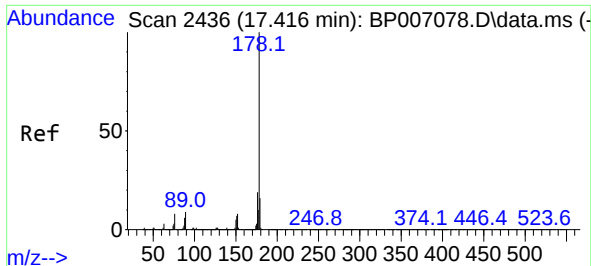


#71  
Phenanthrene  
Concen: 3.551 ng m  
RT: 17.322 min Scan# 2420  
Delta R.T. 0.006 min  
Lab File: BP007127.D  
Acq: 23 Sep 2021 15:42



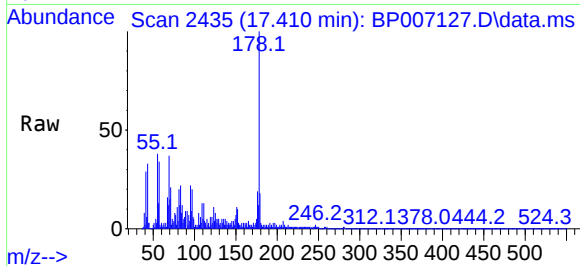
Tgt Ion:178 Resp: 285664  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.1 22.7  
179 22.0 12.4 18.6#





#72  
 Anthracene  
 Concen: 2.091 ng  
 RT: 17.410 min Scan# 2435  
 Delta R.T. -0.000 min  
 Lab File: BP007127.D  
 Acq: 23 Sep 2021 15:42

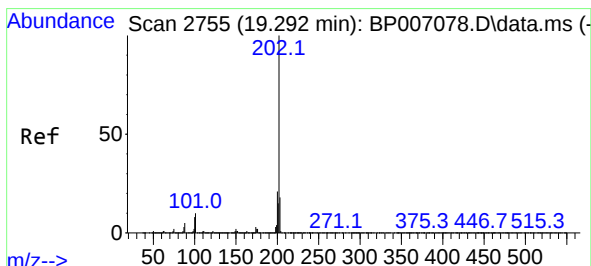
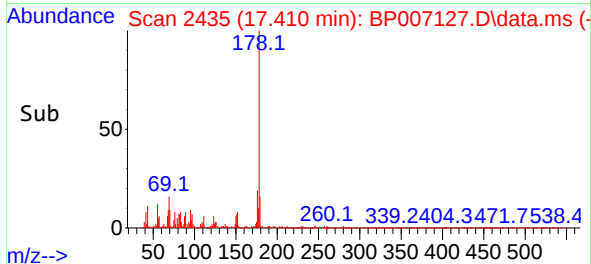
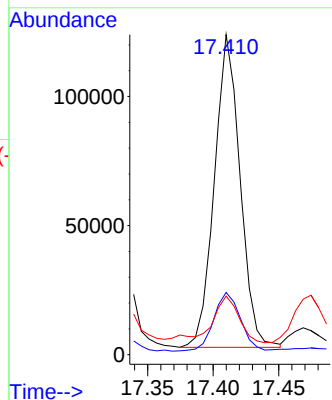
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SS03-BL-(0.0)



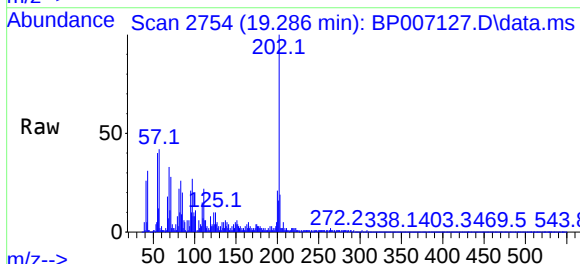
Tgt Ion:178 Resp: 164556  
 Ion Ratio Lower Upper  
 178 100  
 176 19.5 14.9 22.3  
 179 18.3 12.2 18.2#

Manual Integrations  
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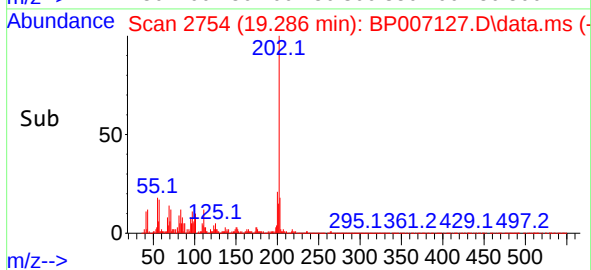
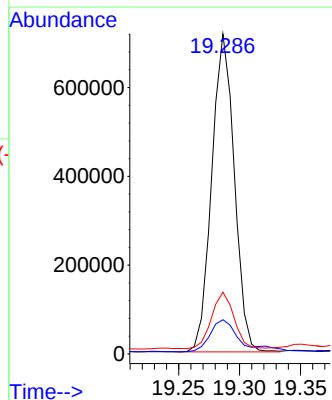
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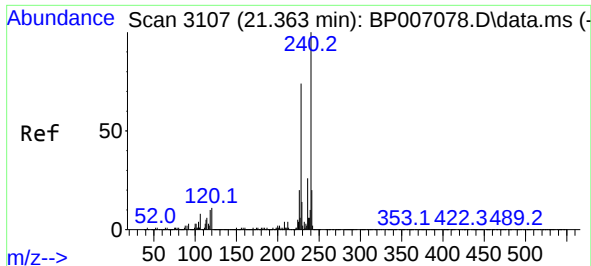


#75  
 Fluoranthene  
 Concen: 9.958 ng  
 RT: 19.286 min Scan# 2754  
 Delta R.T. 0.006 min  
 Lab File: BP007127.D  
 Acq: 23 Sep 2021 15:42



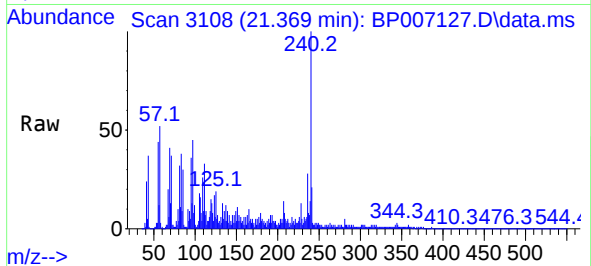
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 Ion Ratio Lower Upper  
 202 100  
 101 10.7 0.0 27.6  
 203 19.3 0.0 37.8





#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.369 min Scan# 3108  
Delta R.T. 0.012 min  
Lab File: BP007127.D  
Acq: 23 Sep 2021 15:42

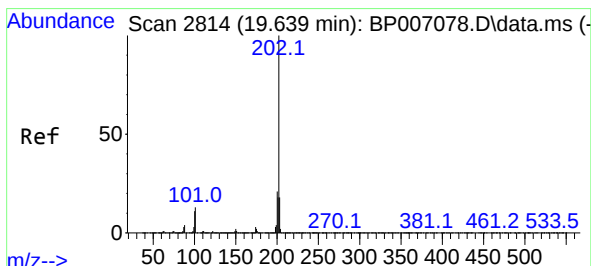
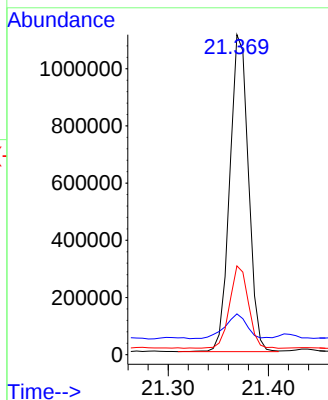
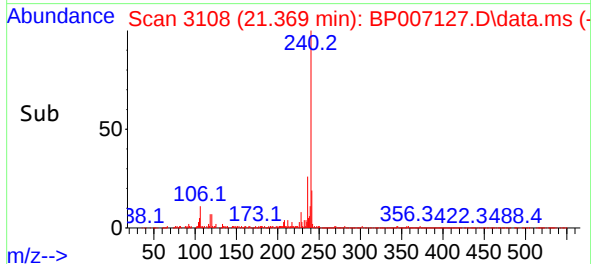
Instrument :  
BNA\_P  
ClientSampleId :  
SS03-BL-(0.0)



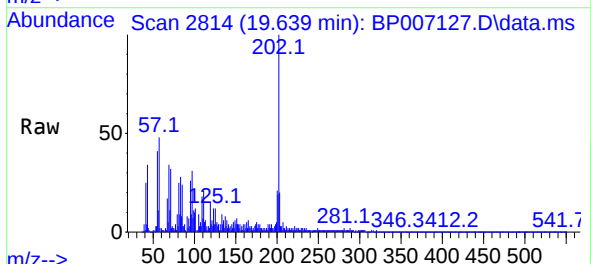
Tgt Ion:240 Resp: 1435808  
Ion Ratio Lower Upper  
240 100  
120 12.8 6.5 9.7#  
236 27.8 20.6 31.0

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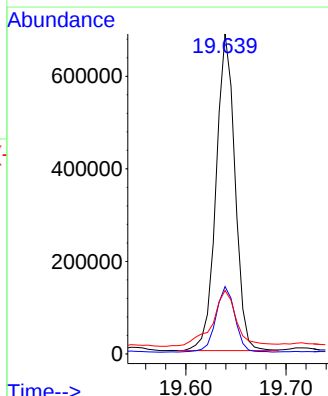
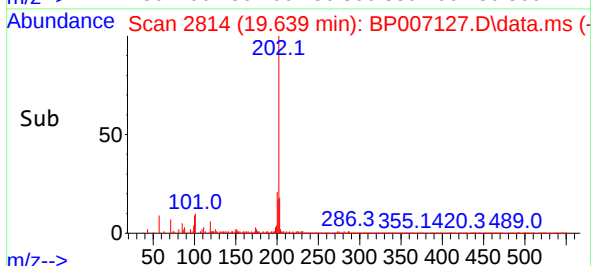
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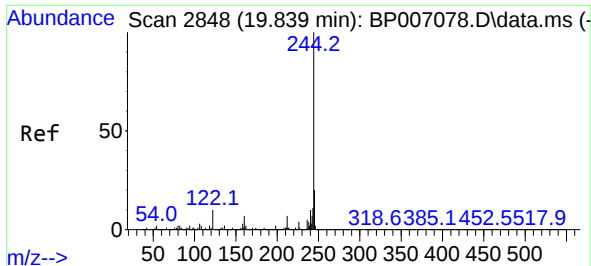


#78  
Pyrene  
Concen: 9.519 ng  
RT: 19.639 min Scan# 2814  
Delta R.T. 0.006 min  
Lab File: BP007127.D  
Acq: 23 Sep 2021 15:42



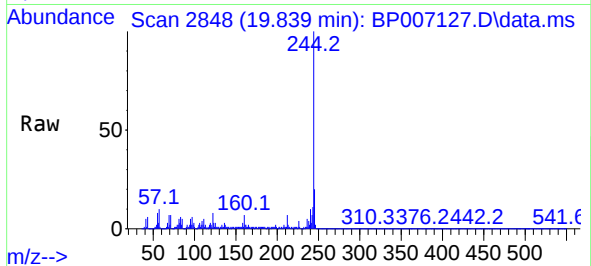
Tgt Ion:202 Resp: 896743  
Ion Ratio Lower Upper  
202 100  
200 21.1 16.3 24.5  
203 19.9 14.2 21.2





#79  
 Terphenyl-d14  
 Concen: 56.085 ng  
 RT: 19.839 min Scan# 2848  
 Delta R.T. 0.006 min  
 Lab File: BP007127.D  
 Acq: 23 Sep 2021 15:42

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SS03-BL-(0.0)

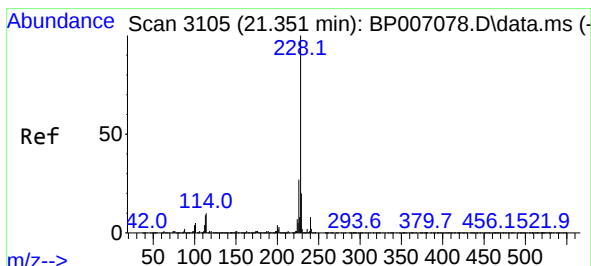
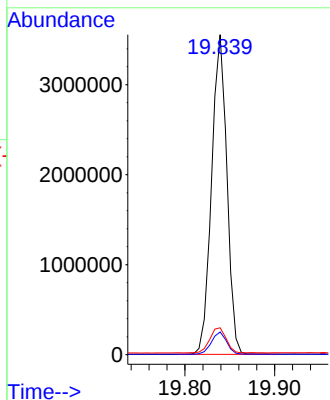
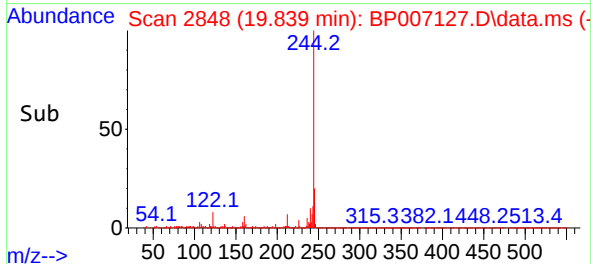


Tgt Ion:244 Resp: 4202348  

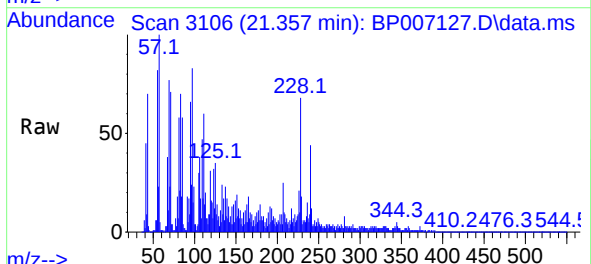
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.1   | 6.0   | 9.0   |
| 122 | 8.4   | 7.1   | 10.7  |

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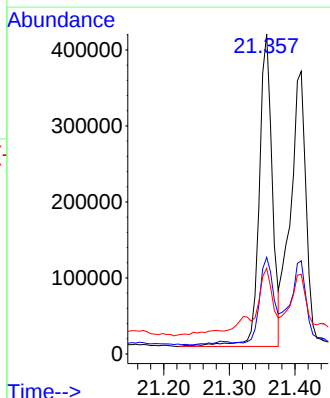
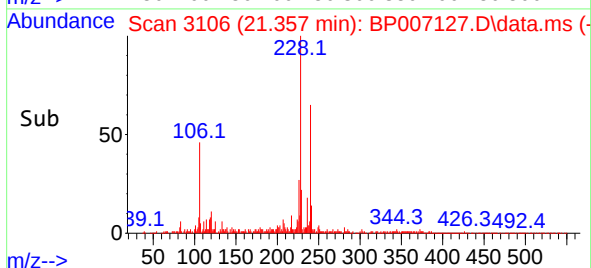


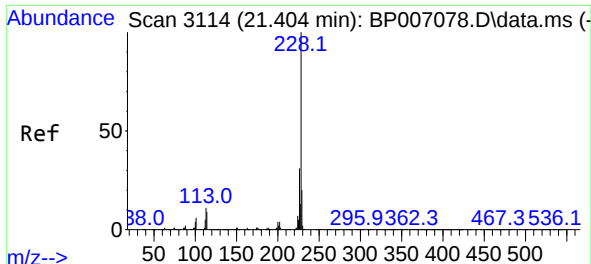
#81  
 Benzo(a)anthracene  
 Concen: 6.042 ng  
 RT: 21.357 min Scan# 3106  
 Delta R.T. 0.012 min  
 Lab File: BP007127.D  
 Acq: 23 Sep 2021 15:42



Tgt Ion:228 Resp: 563086  

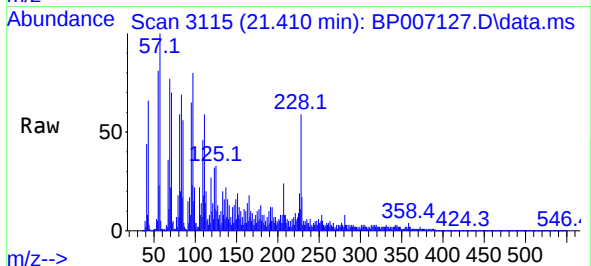
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.2  | 21.6  | 32.4  |
| 229 | 26.8  | 15.8  | 23.6  |





#83  
Chrysene  
Concen: 6.729 ng  
RT: 21.410 min Scan# 3115  
Delta R.T. 0.012 min  
Lab File: BP007127.D  
Acq: 23 Sep 2021 15:42

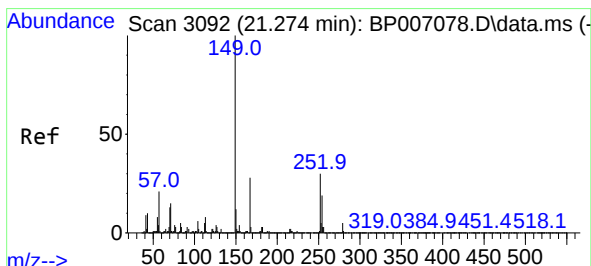
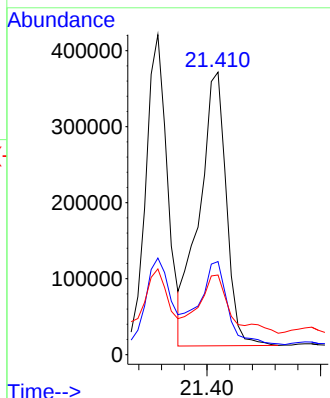
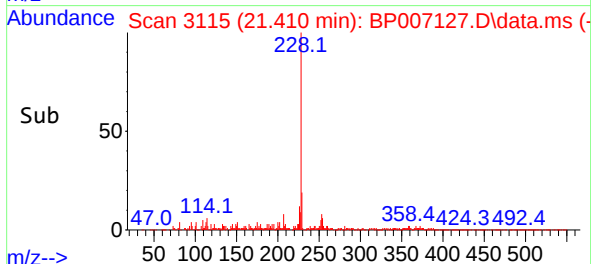
Instrument :  
BNA\_P  
ClientSampleId :  
SS03-BL-(0.0)



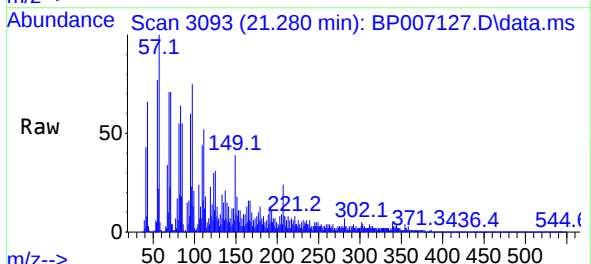
Tgt Ion:228 Resp: 599406  
Ion Ratio Lower Upper  
228 100  
226 32.9 23.8 35.6  
229 28.2 15.4 23.2#

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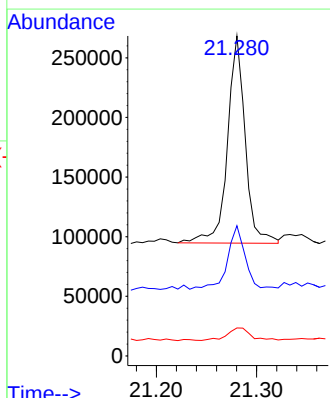
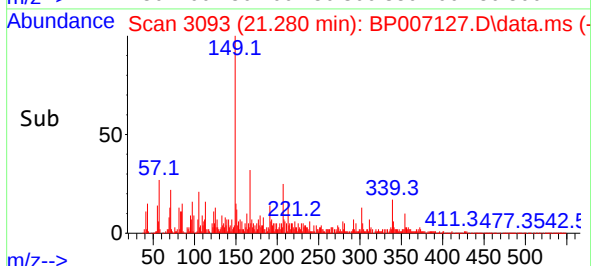
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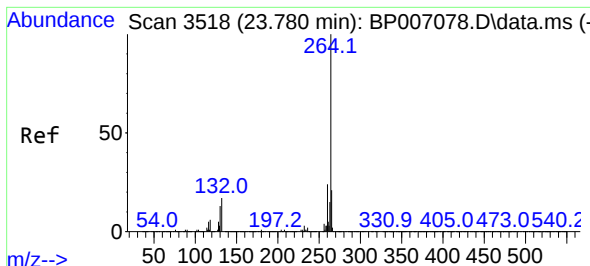


#84  
Bis(2-ethylhexyl)phthalate  
Concen: 3.931 ng  
RT: 21.280 min Scan# 3093  
Delta R.T. 0.012 min  
Lab File: BP007127.D  
Acq: 23 Sep 2021 15:42



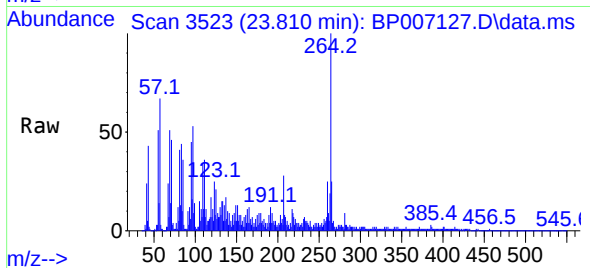
Tgt Ion:149 Resp: 213210  
Ion Ratio Lower Upper  
149 100  
167 40.7 21.9 32.9#  
279 8.8 4.3 6.5#





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.810 min Scan# 3523  
Delta R.T. 0.041 min  
Lab File: BP007127.D  
Acq: 23 Sep 2021 15:42

Instrument :  
BNA\_P  
ClientSampleId :  
SS03-BL-(0.0)

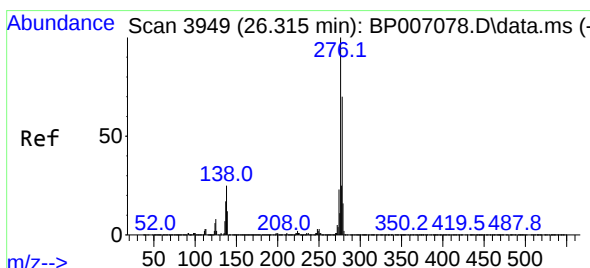
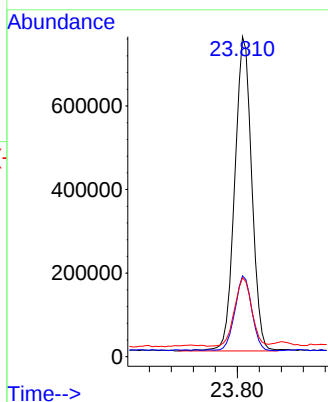
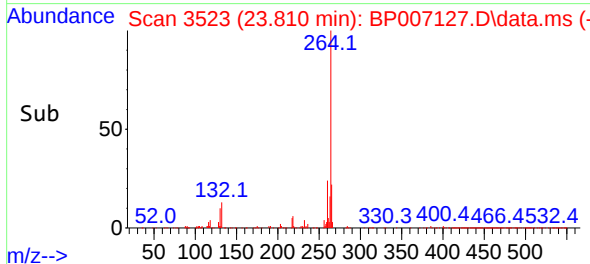


Tgt Ion:264 Resp: 1612784  

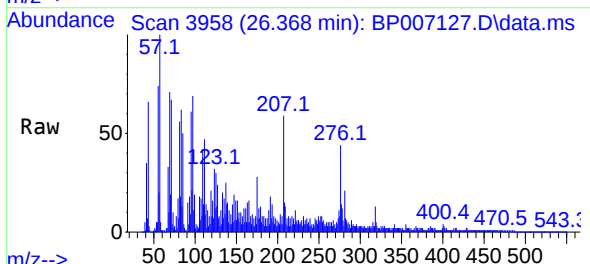
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.2  | 18.6  | 28.0  |
| 265 | 24.7  | 17.6  | 26.4  |

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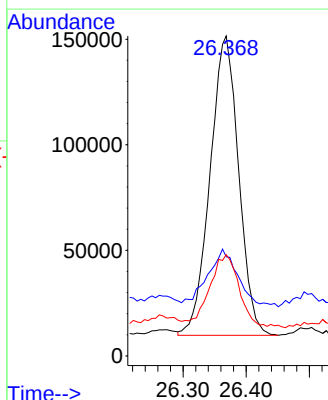
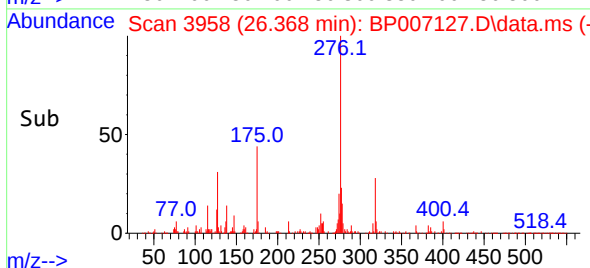


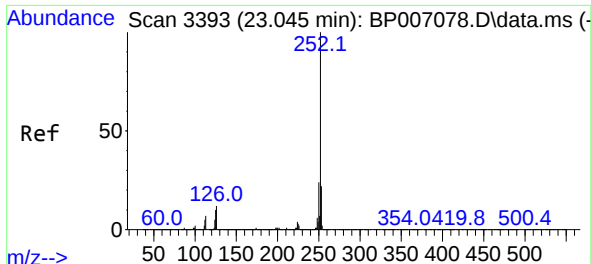
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 3.846 ng  
RT: 26.368 min Scan# 3958  
Delta R.T. 0.065 min  
Lab File: BP007127.D  
Acq: 23 Sep 2021 15:42



Tgt Ion:276 Resp: 445821  

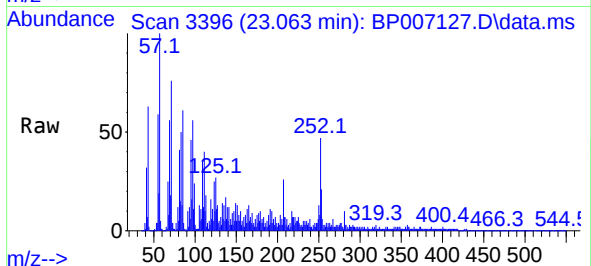
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 20.8  | 15.3  | 22.9  |
| 277 | 24.1  | 20.4  | 30.6  |





#88  
Benzo(b)fluoranthene  
Concen: 9.590 ng m  
RT: 23.063 min Scan# 3396  
Delta R.T. 0.029 min  
Lab File: BP007127.D  
Acq: 23 Sep 2021 15:42

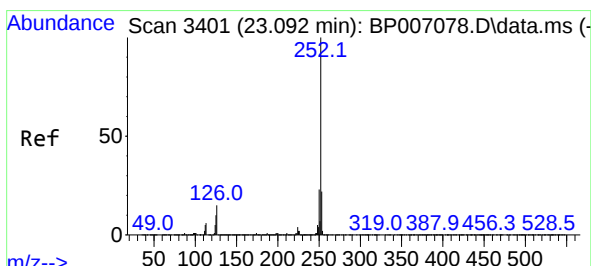
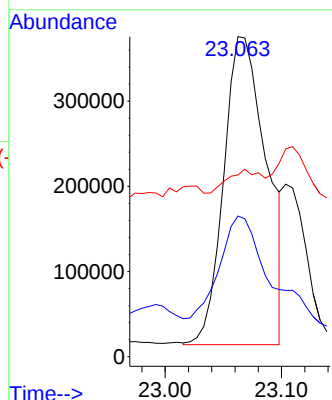
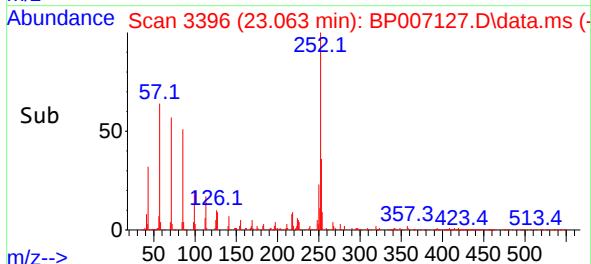
Instrument :  
BNA\_P  
ClientSampleId :  
SS03-BL-(0.0)



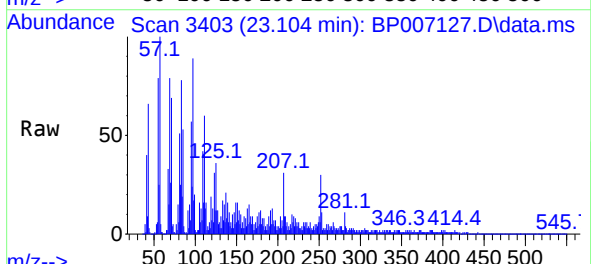
Tgt Ion:252 Resp: 924310  
Ion Ratio Lower Upper  
252 100  
253 44.0 17.5 26.3#  
125 56.8 6.2 9.4#

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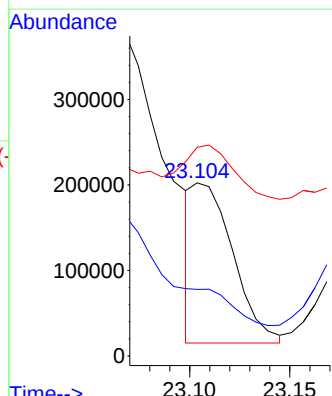
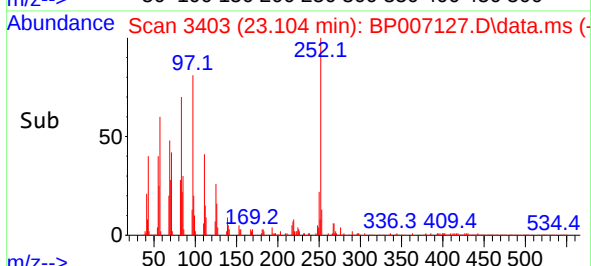
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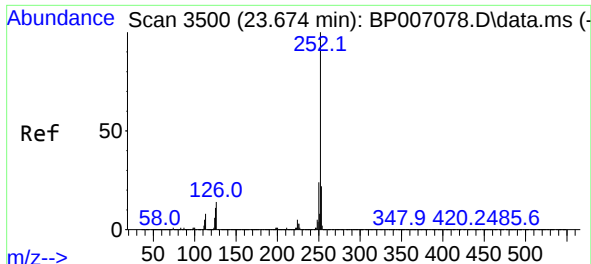


#89  
Benzo(k)fluoranthene  
Concen: 2.686 ng m  
RT: 23.104 min Scan# 3403  
Delta R.T. 0.018 min  
Lab File: BP007127.D  
Acq: 23 Sep 2021 15:42



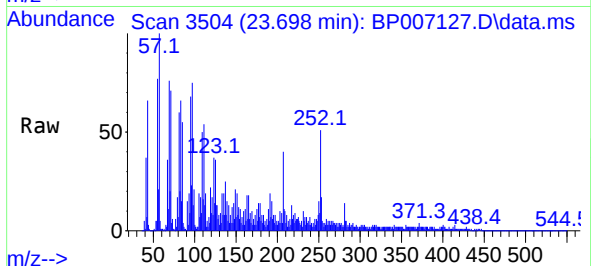
Tgt Ion:252 Resp: 262090  
Ion Ratio Lower Upper  
252 100  
253 38.4 17.6 26.4#  
125 120.5 6.0 9.0#





#90  
Benzo(a)pyrene  
Concen: 6.721 ng  
RT: 23.698 min Scan# 3504  
Delta R.T. 0.029 min  
Lab File: BP007127.D  
Acq: 23 Sep 2021 15:42

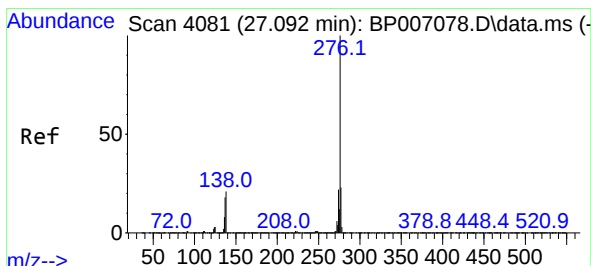
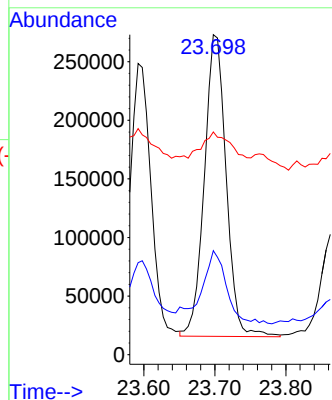
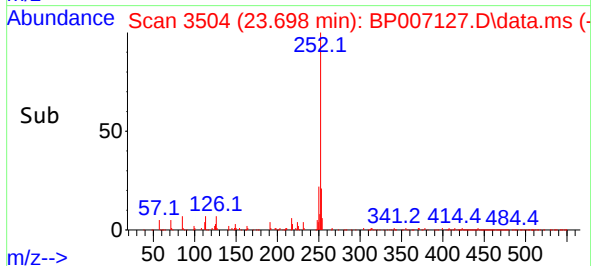
Instrument :  
BNA\_P  
ClientSampleId :  
SS03-BL-(0.0)



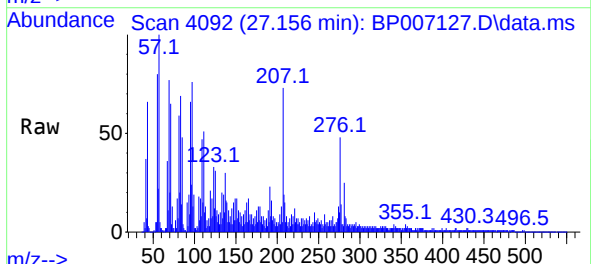
Tgt Ion:252 Resp: 550357  
Ion Ratio Lower Upper  
252 100  
253 32.5 17.9 26.9#  
125 69.6 6.5 9.7#

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#92  
Benzo(g,h,i)perylene  
Concen: 4.937 ng  
RT: 27.156 min Scan# 4092  
Delta R.T. 0.082 min  
Lab File: BP007127.D  
Acq: 23 Sep 2021 15:42



Tgt Ion:276 Resp: 467951  
Ion Ratio Lower Upper  
276 100  
277 29.5 18.9 28.3#  
138 33.5 12.6 18.8#

