

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092921\  
 Data File : BP007253.D  
 Acq On : 29 Sep 2021 19:20  
 Operator : CG/JU  
 Sample : M3971-01 5X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 RO-COMP-1

Manual Integrations  
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 9/30/2021 11:31:49 AM

Quant Time: Sep 30 02:42:48 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP092121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 29 14:45:49 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.875  | 152  | 265802   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.675 | 136  | 1049510  | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.510 | 164  | 670135   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.263 | 188  | 1342368  | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12            | 21.351 | 240  | 1173143  | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 23.763 | 264  | 1278930  | 20.000 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.452  | 112  | 252089   | 15.876 | ng    | 0.00     |
| 7) Phenol-d6                | 7.052  | 99   | 392545   | 18.088 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.040  | 82   | 228376   | 12.672 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.004 | 330  | 164573   | 18.943 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.134 | 172  | 567541   | 12.133 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.816 | 244  | 717424   | 11.719 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 17.304 | 178  | 380436   | 5.286  | ng    | 97       |
| 75) Fluoranthene            | 19.275 | 202  | 477310   | 5.756  | ng    | 98       |
| 78) Pyrene                  | 19.622 | 202  | 515501   | 6.698  | ng    | 99       |
| 81) Benzo(a)anthracene      | 21.333 | 228  | 301337   | 3.957  | ng    | 95       |
| 83) Chrysene                | 21.386 | 228  | 282996m  | 3.889  | ng    |          |
| 87) Indeno(1,2,3-cd)pyrene  | 26.280 | 276  | 212574   | 2.313  | ng    | 100      |
| 88) Benzo(b)fluoranthene    | 23.027 | 252  | 382002   | 4.998  | ng    | # 93     |
| 90) Benzo(a)pyrene          | 23.651 | 252  | 281468   | 4.335  | ng    | # 95     |
| 92) Benzo(g,h,i)perylene    | 27.051 | 276  | 215555   | 2.868  | ng    | 97       |
| -----                       |        |      |          |        |       |          |

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

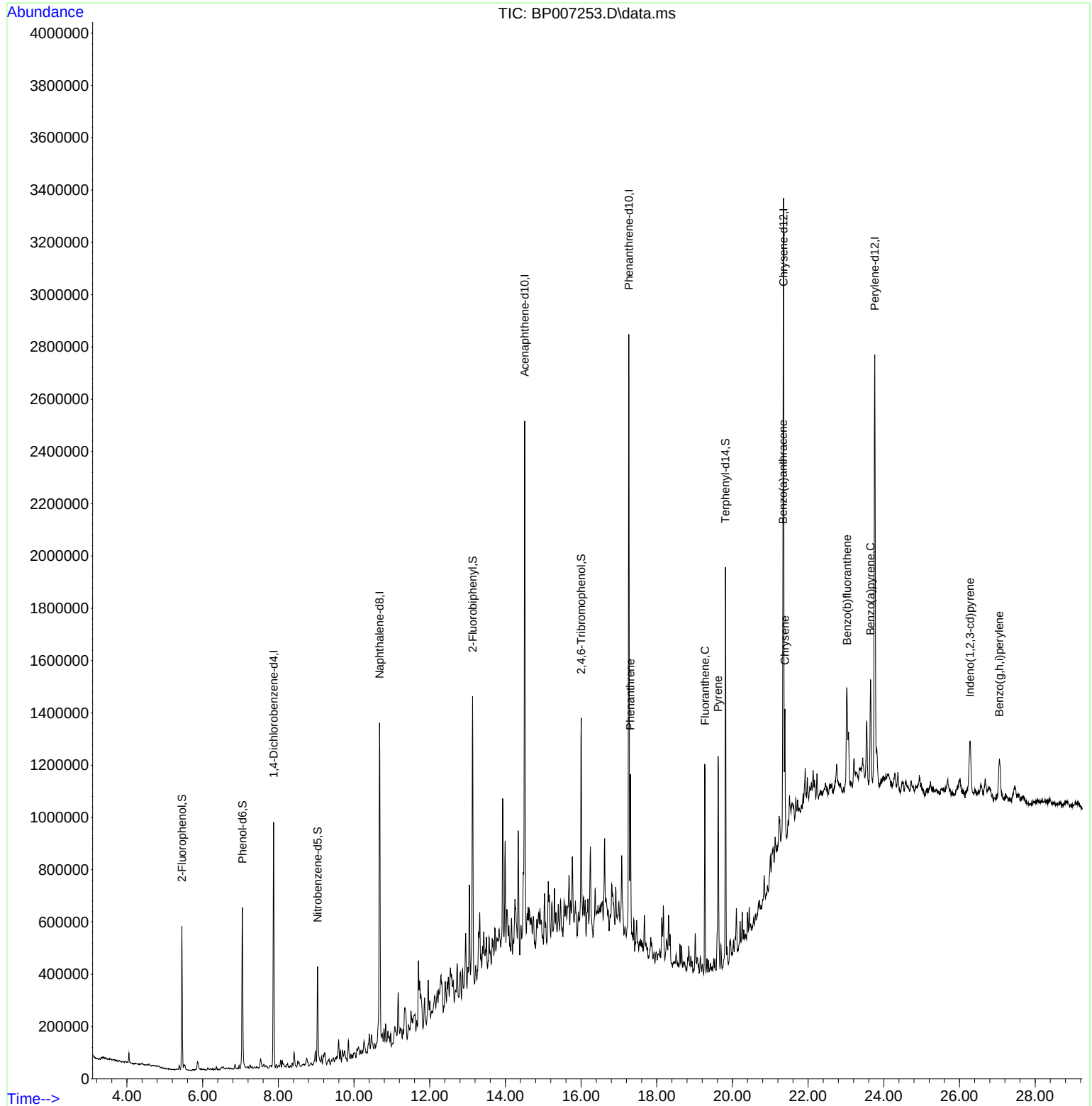
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092921\  
Data File : BP007253.D  
Acq On : 29 Sep 2021 19:20  
Operator : CG/JU  
Sample : M3971-01 5X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

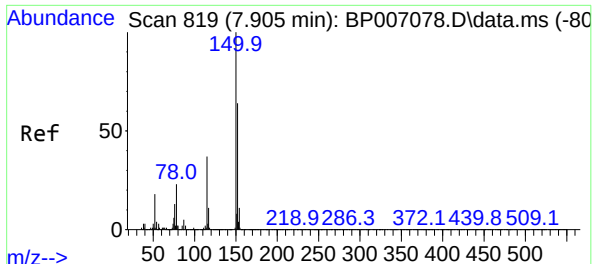
Instrument :  
BNA\_P  
ClientSampleId :  
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Quant Time: Sep 30 02:42:48 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP092121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 29 14:45:49 2021  
Response via : Initial Calibration





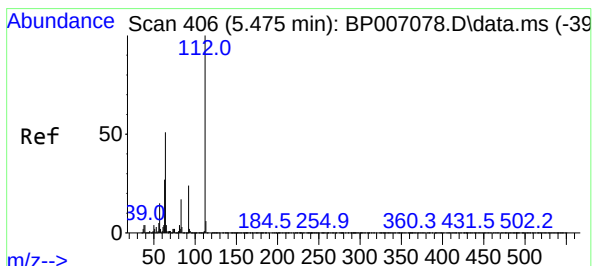
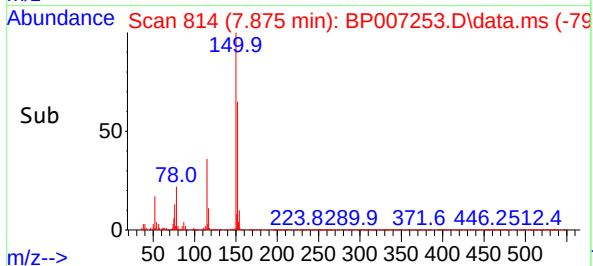
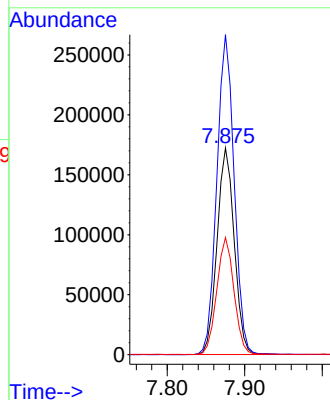
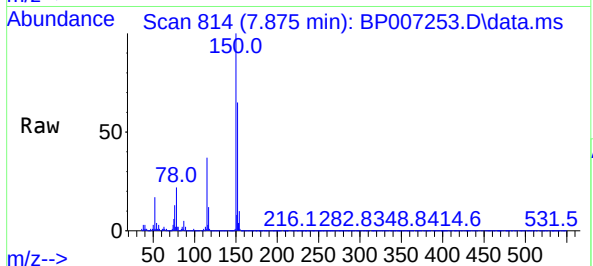
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.875 min Scan# 814  
Delta R.T. 0.000 min  
Lab File: BP007253.D  
Acq: 29 Sep 2021 19:20

Tgt Ion:152 Resp: 265802  
Ion Ratio Lower Upper  
152 100  
150 154.8 125.6 188.4  
115 56.7 48.5 72.7

Instrument :  
BNA\_P  
ClientSampleId :  
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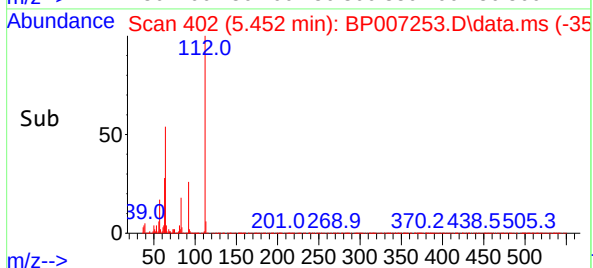
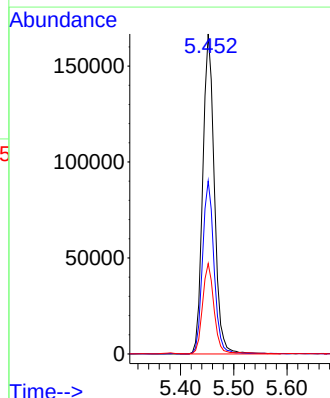
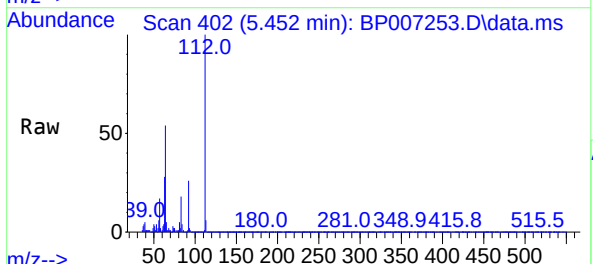
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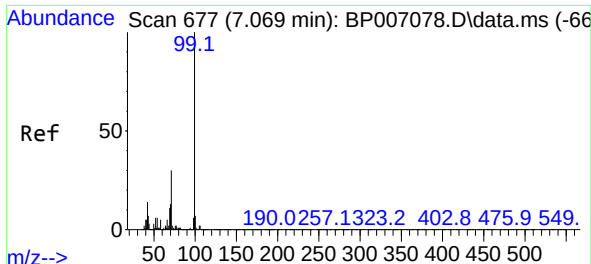
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#5  
2-Fluorophenol  
Concen: 15.876 ng  
RT: 5.452 min Scan# 402  
Delta R.T. -0.000 min  
Lab File: BP007253.D  
Acq: 29 Sep 2021 19:20

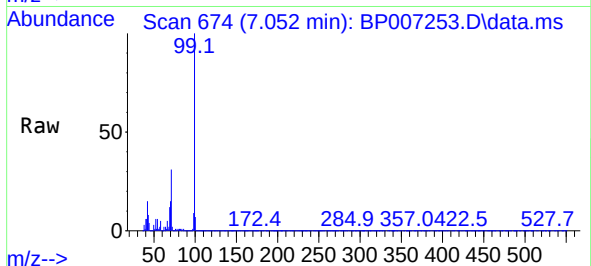
Tgt Ion:112 Resp: 252089  
Ion Ratio Lower Upper  
112 100  
64 54.1 41.4 62.2  
63 28.2 23.8 35.8





#7  
Phenol-d6  
Concen: 18.088 ng  
RT: 7.052 min Scan# 674  
Delta R.T. -0.000 min  
Lab File: BP007253.D  
Acq: 29 Sep 2021 19:20

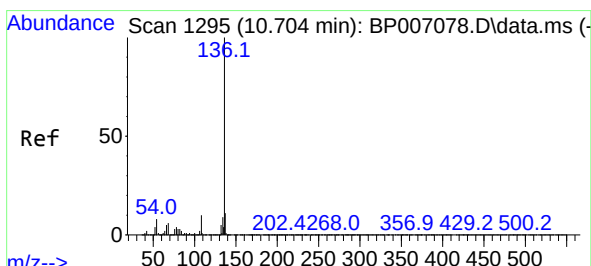
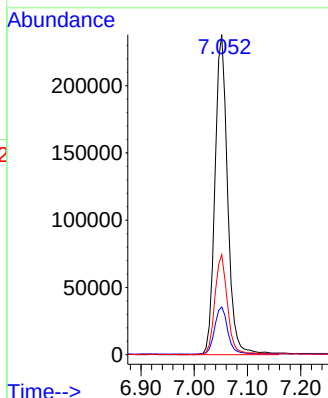
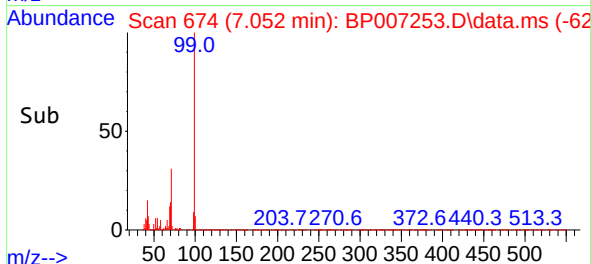
Instrument :  
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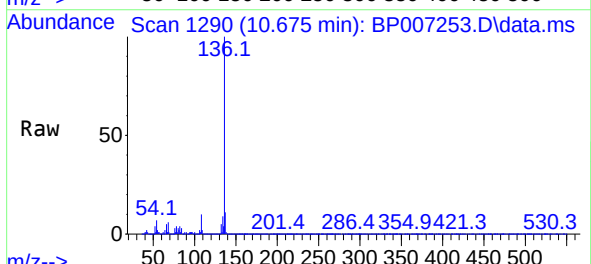
Tgt Ion: 99 Resp: 392545  
Ion Ratio Lower Upper  
99 100  
42 14.9 13.4 20.0  
71 31.3 30.6 46.0

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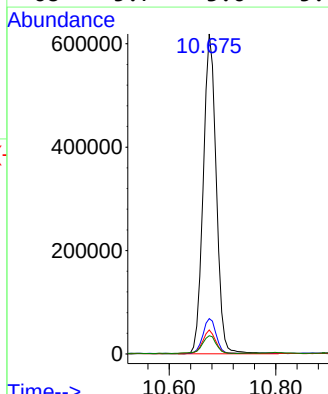
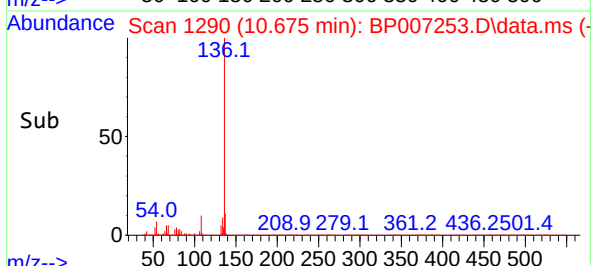
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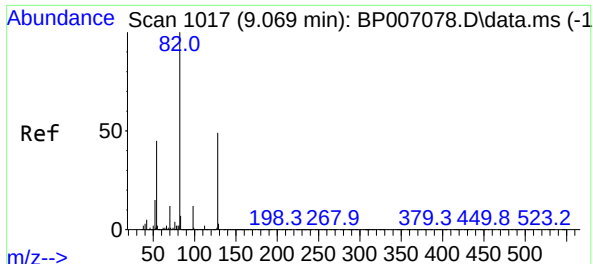


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.675 min Scan# 1290  
Delta R.T. -0.000 min  
Lab File: BP007253.D  
Acq: 29 Sep 2021 19:20



Tgt Ion: 136 Resp: 1049510  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.6 12.8  
54 7.5 4.6 6.8#  
68 5.7 3.6 5.4#





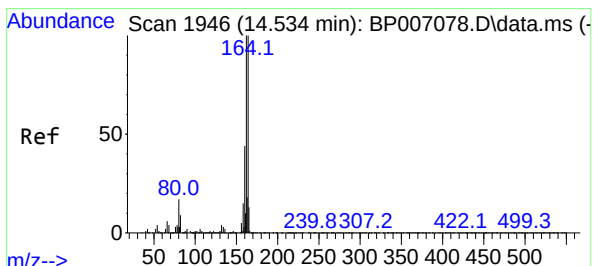
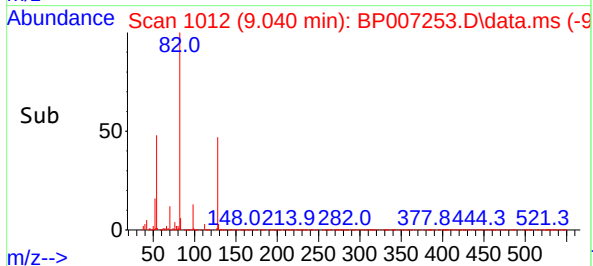
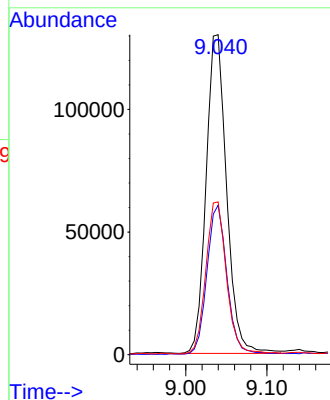
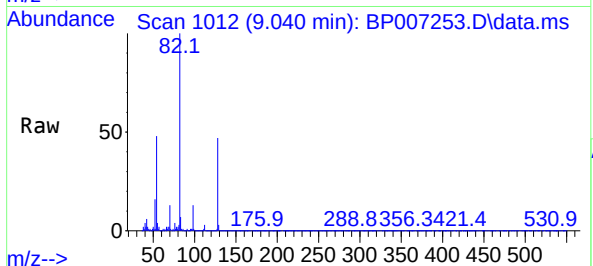
#23  
Nitrobenzene-d5  
Concen: 12.672 ng  
RT: 9.040 min Scan# 1012  
Delta R.T. -0.000 min  
Lab File: BP007253.D  
Acq: 29 Sep 2021 19:20

Tgt Ion: 82 Resp: 228376  
Ion Ratio Lower Upper  
82 100  
128 46.7 35.7 53.5  
54 47.8 35.0 52.4

Instrument :  
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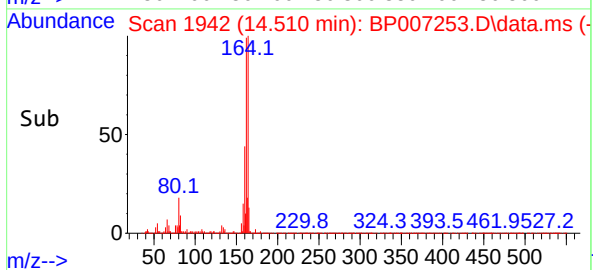
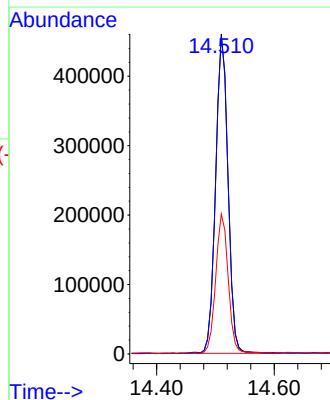
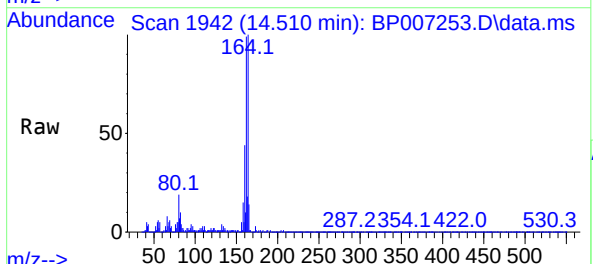
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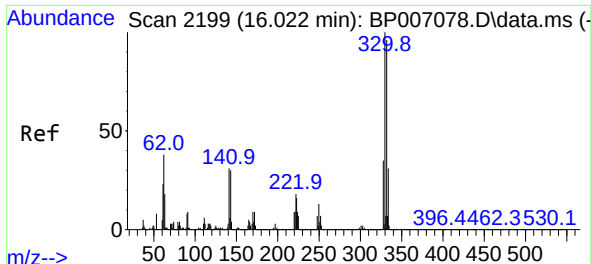
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#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.510 min Scan# 1942  
Delta R.T. -0.000 min  
Lab File: BP007253.D  
Acq: 29 Sep 2021 19:20

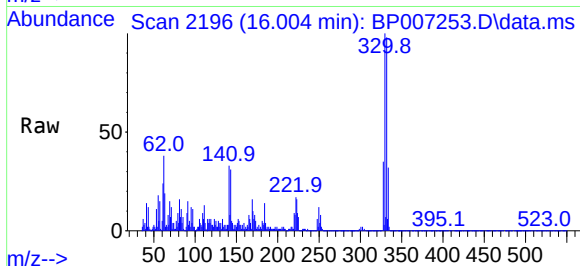
Tgt Ion: 164 Resp: 670135  
Ion Ratio Lower Upper  
164 100  
162 99.3 80.2 120.2  
160 43.8 34.5 51.7





#42  
2,4,6-Tribromophenol  
Concen: 18.943 ng  
RT: 16.004 min Scan# 2196  
Delta R.T. -0.000 min  
Lab File: BP007253.D  
Acq: 29 Sep 2021 19:20

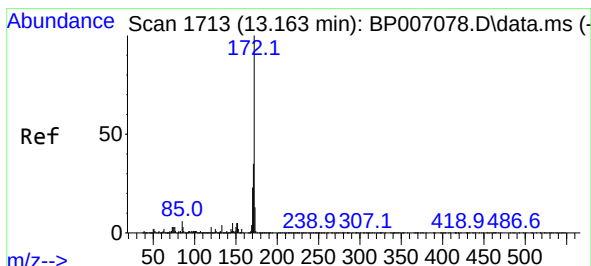
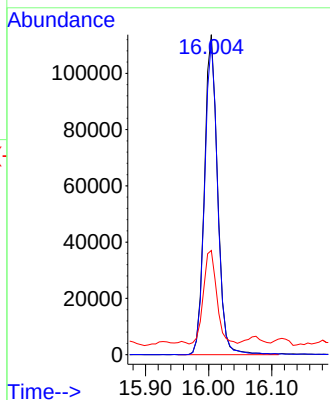
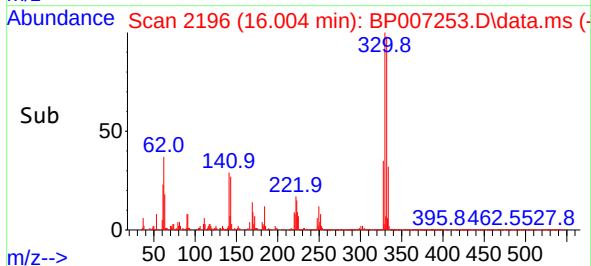
Instrument :  
BNA\_P  
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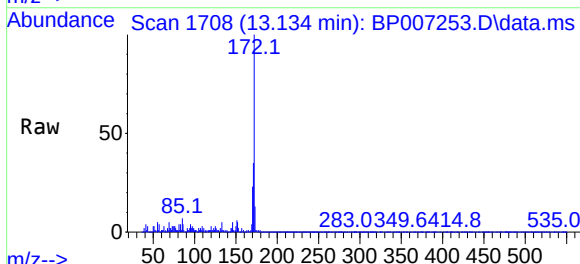
Tgt Ion:330 Resp: 164573  
Ion Ratio Lower Upper  
330 100  
332 97.7 77.8 116.8  
141 31.0 25.4 38.2

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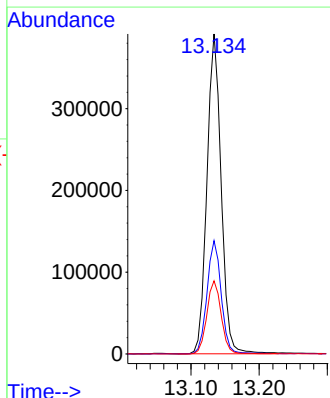
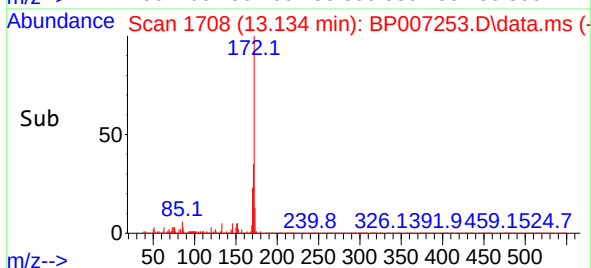
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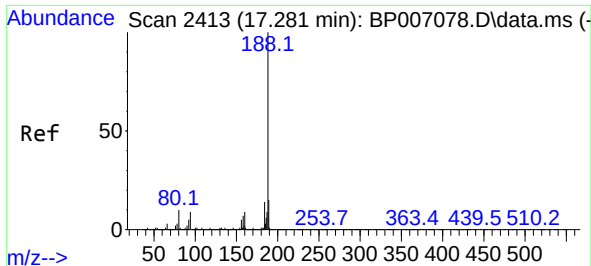


#45  
2-Fluorobiphenyl  
Concen: 12.133 ng  
RT: 13.134 min Scan# 1708  
Delta R.T. -0.000 min  
Lab File: BP007253.D  
Acq: 29 Sep 2021 19:20



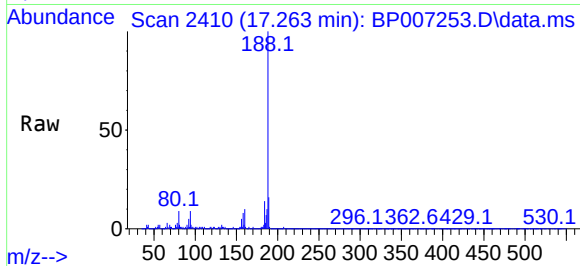
Tgt Ion:172 Resp: 567541  
Ion Ratio Lower Upper  
172 100  
171 35.4 27.9 41.9  
170 22.9 18.6 27.8





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.263 min Scan# 2410  
Delta R.T. -0.000 min  
Lab File: BP007253.D  
Acq: 29 Sep 2021 19:20

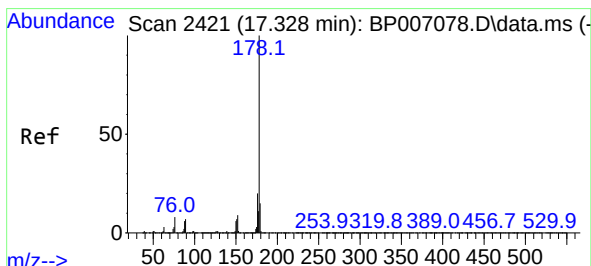
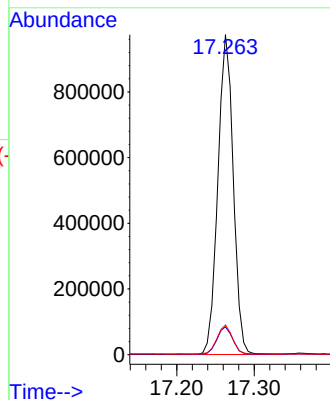
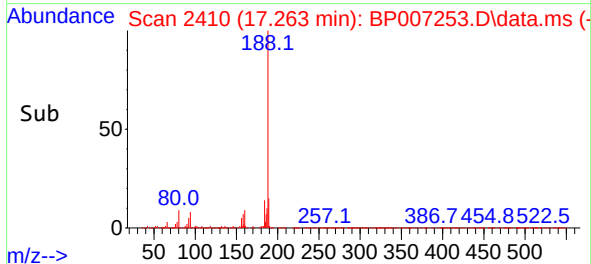
Instrument :  
BNA\_P  
ClientSampleId :  
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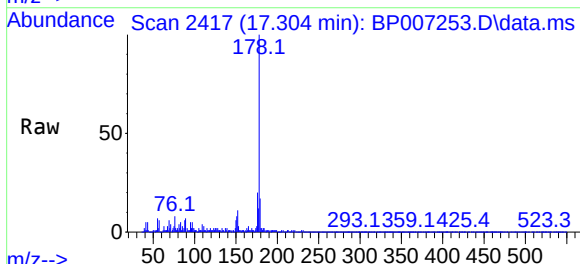
Tgt Ion:188 Resp: 1342368  
Ion Ratio Lower Upper  
188 100  
94 8.7 5.6 8.4#  
80 9.2 6.3 9.5

Manual Integrations  
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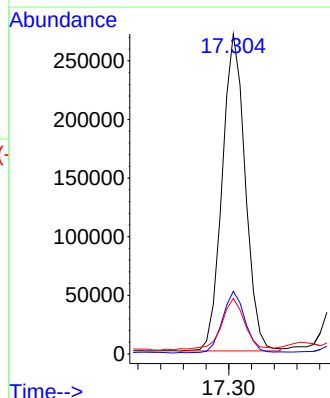
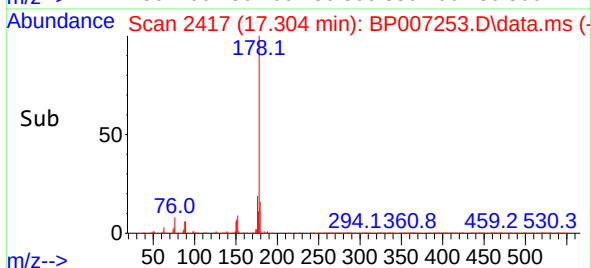
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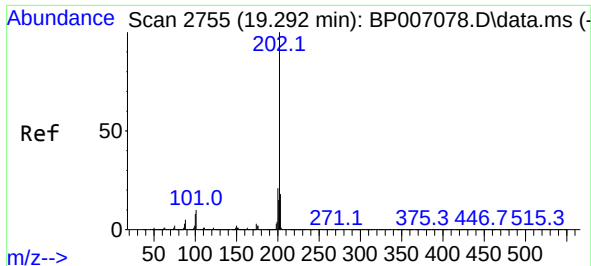


#71  
Phenanthrene  
Concen: 5.286 ng  
RT: 17.304 min Scan# 2417  
Delta R.T. -0.000 min  
Lab File: BP007253.D  
Acq: 29 Sep 2021 19:20



Tgt Ion:178 Resp: 380436  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.1 22.7  
179 17.4 12.4 18.6





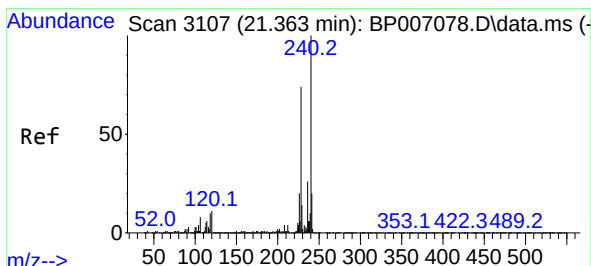
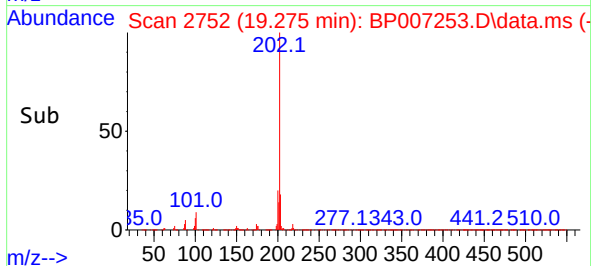
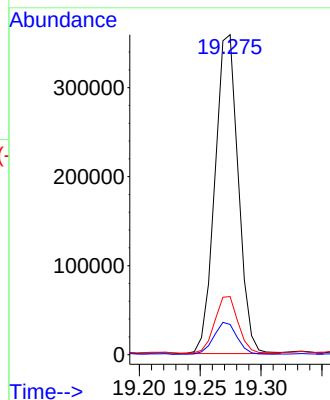
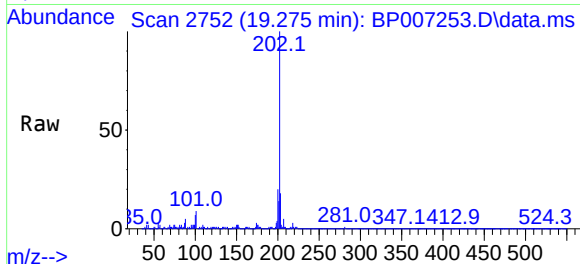
#75  
Fluoranthene  
Concen: 5.756 ng  
RT: 19.275 min Scan# 2752  
Delta R.T. -0.000 min  
Lab File: BP007253.D  
Acq: 29 Sep 2021 19:20

Tgt Ion:202 Resp: 477310  
Ion Ratio Lower Upper  
202 100  
101 9.5 0.0 27.6  
203 18.1 0.0 37.8

Instrument :  
BNA\_P  
ClientSampleId :  
RO-COMP-1

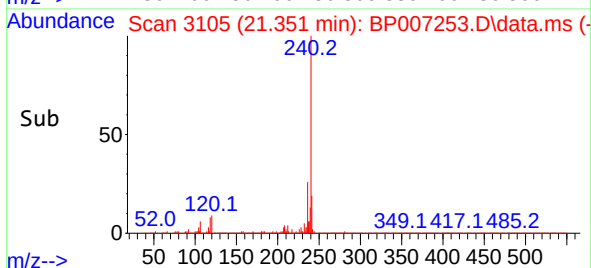
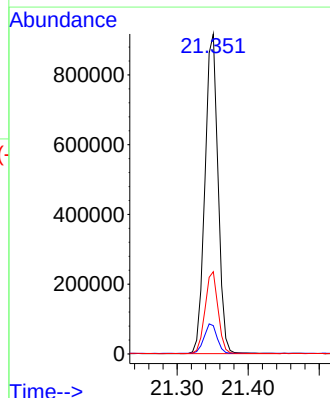
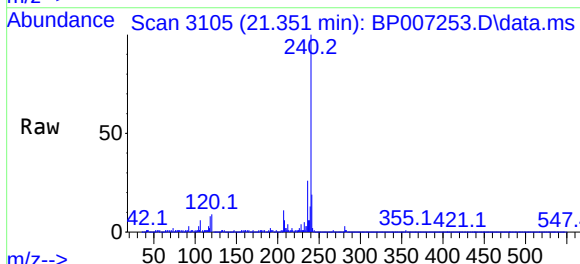
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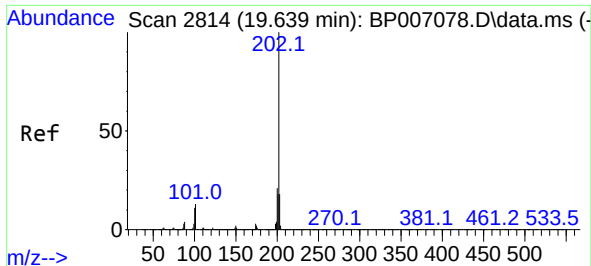


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.351 min Scan# 3105  
Delta R.T. -0.000 min  
Lab File: BP007253.D  
Acq: 29 Sep 2021 19:20

Tgt Ion:240 Resp: 1173143  
Ion Ratio Lower Upper  
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120 8.8 6.5 9.7  
236 25.7 20.6 31.0

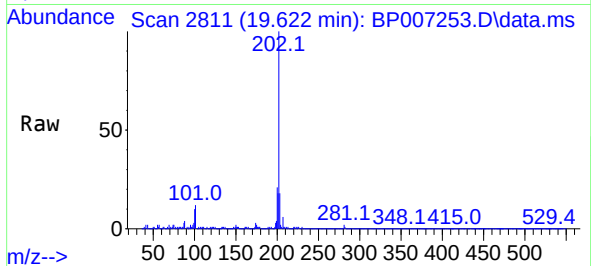






#78  
Pyrene  
Concen: 6.698 ng  
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Delta R.T. -0.006 min  
Lab File: BP007253.D  
Acq: 29 Sep 2021 19:20

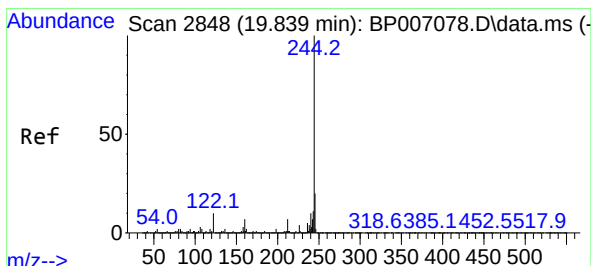
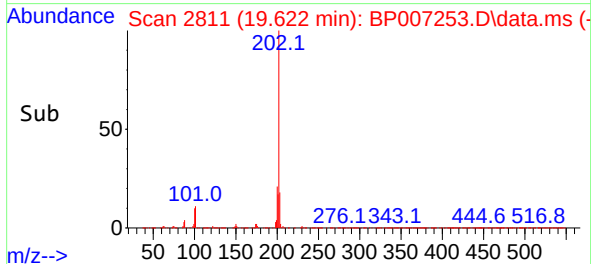
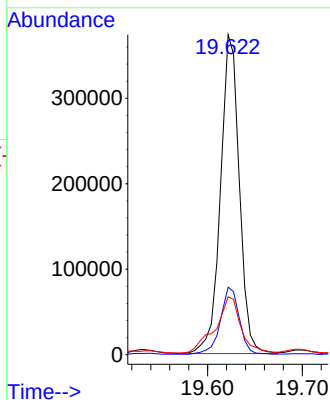
Instrument :  
BNA\_P  
ClientSampleId :  
RO-COMP-1



Tgt Ion:202 Resp: 515501  
Ion Ratio Lower Upper  
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203 18.1 14.2 21.2

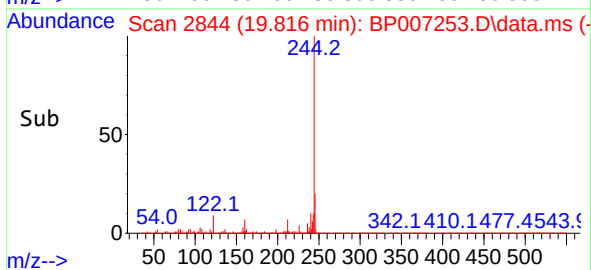
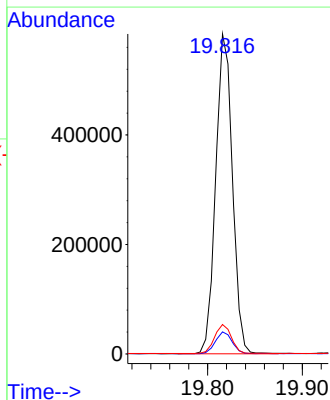
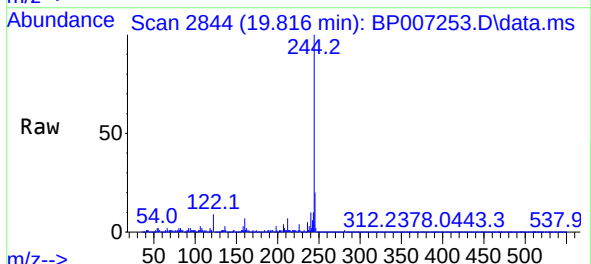
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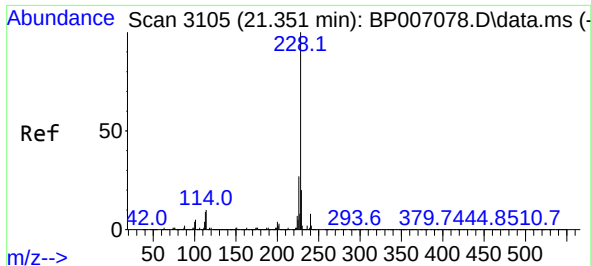
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#79  
Terphenyl-d14  
Concen: 11.719 ng  
RT: 19.816 min Scan# 2844  
Delta R.T. -0.006 min  
Lab File: BP007253.D  
Acq: 29 Sep 2021 19:20

Tgt Ion:244 Resp: 717424  
Ion Ratio Lower Upper  
244 100  
212 6.9 6.0 9.0  
122 9.2 7.1 10.7





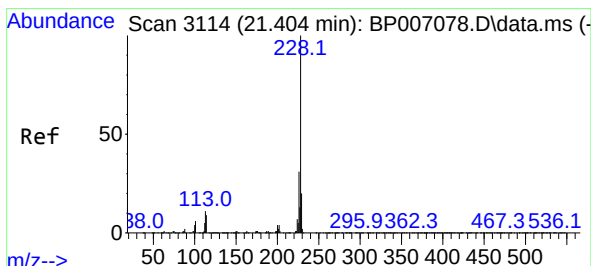
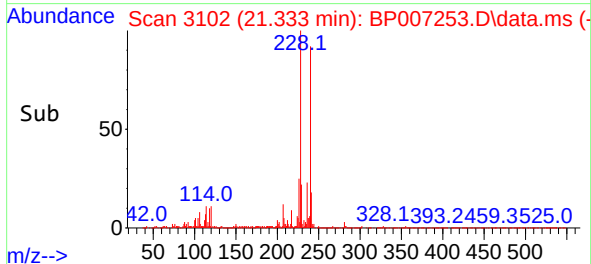
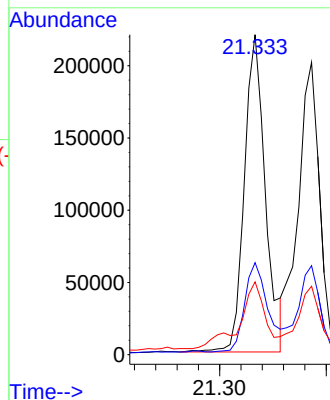
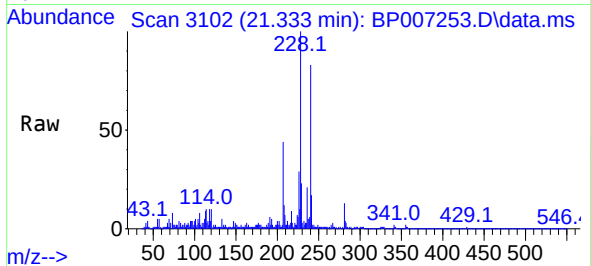
#81  
Benzo(a)anthracene  
Concen: 3.957 ng  
RT: 21.333 min Scan# 3102  
Delta R.T. -0.006 min  
Lab File: BP007253.D  
Acq: 29 Sep 2021 19:20

Tgt Ion:228 Resp: 301337  
Ion Ratio Lower Upper  
228 100  
226 28.8 21.6 32.4  
229 22.7 15.8 23.6

Instrument :  
BNA\_P  
ClientSampleId :  
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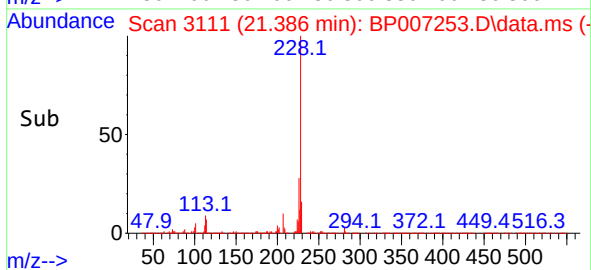
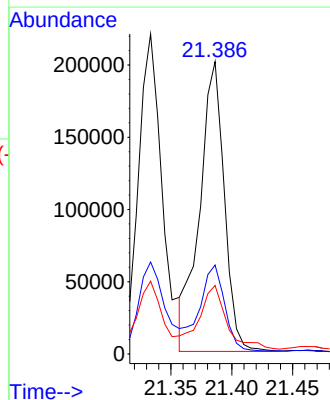
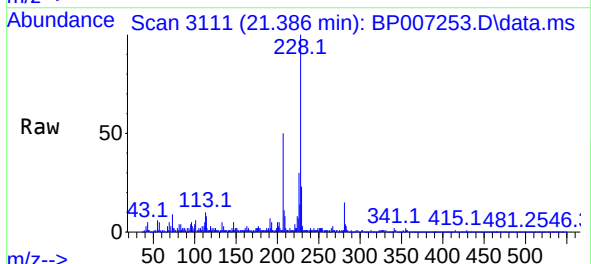
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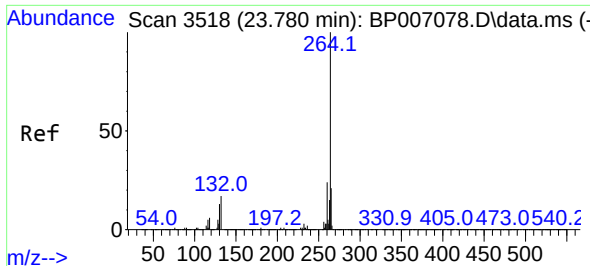
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#83  
Chrysene  
Concen: 3.889 ng m  
RT: 21.386 min Scan# 3111  
Delta R.T. -0.006 min  
Lab File: BP007253.D  
Acq: 29 Sep 2021 19:20

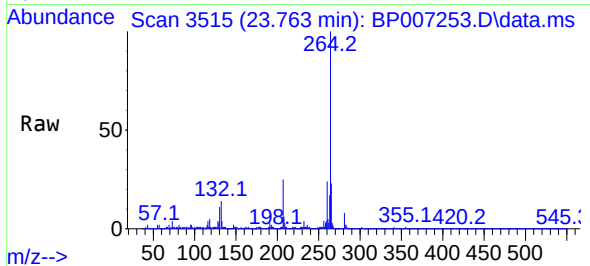
Tgt Ion:228 Resp: 282996  
Ion Ratio Lower Upper  
228 100  
226 30.5 23.8 35.6  
229 23.4 15.4 23.2#





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.763 min Scan# 3515  
Delta R.T. -0.000 min  
Lab File: BP007253.D  
Acq: 29 Sep 2021 19:20

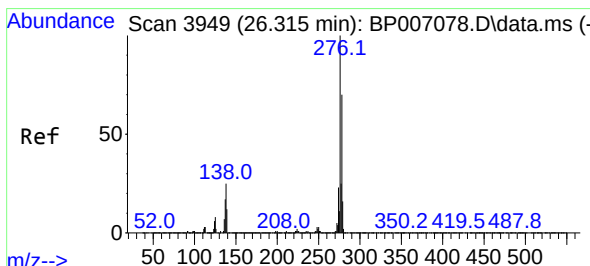
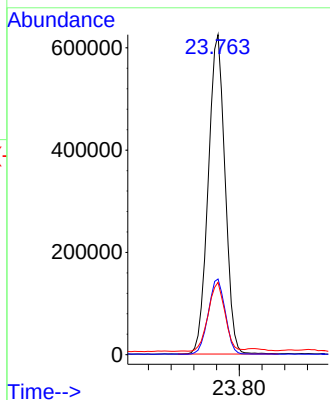
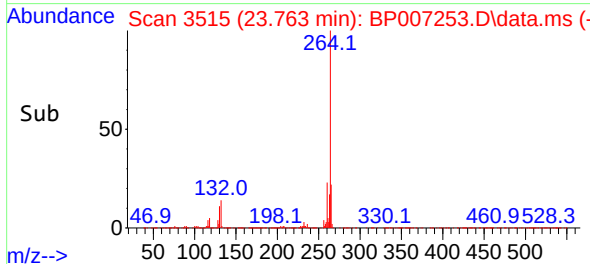
Instrument :  
BNA\_P  
ClientSampleId :  
RO-COMP-1



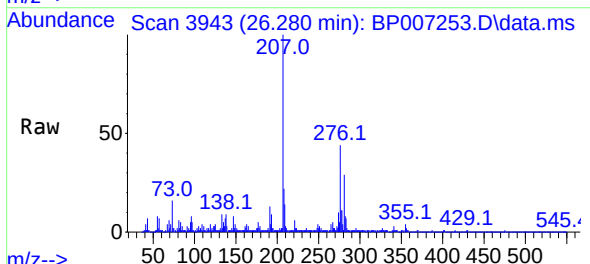
Tgt Ion:264 Resp: 1278930  
Ion Ratio Lower Upper  
264 100  
260 23.7 18.6 28.0  
265 22.6 17.6 26.4

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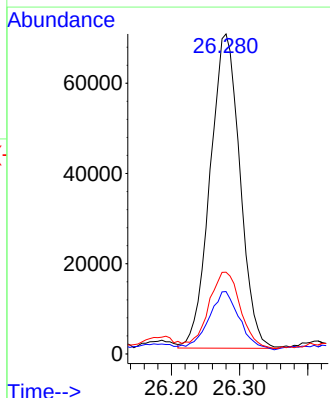
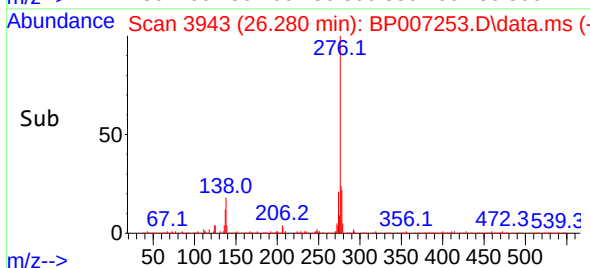
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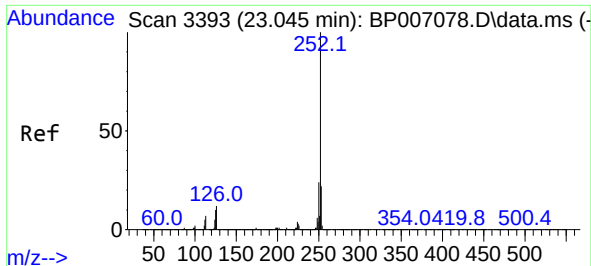


#87  
Indeno(1,2,3-cd)pyrene  
Concen: 2.313 ng  
RT: 26.280 min Scan# 3943  
Delta R.T. -0.018 min  
Lab File: BP007253.D  
Acq: 29 Sep 2021 19:20



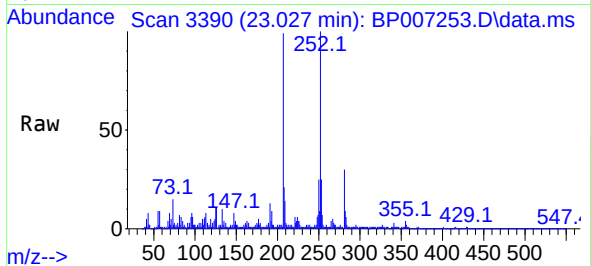
Tgt Ion:276 Resp: 212574  
Ion Ratio Lower Upper  
276 100  
138 19.3 15.3 22.9  
277 25.7 20.4 30.6





#88  
Benzo(b)fluoranthene  
Concen: 4.998 ng  
RT: 23.027 min Scan# 3390  
Delta R.T. -0.000 min  
Lab File: BP007253.D  
Acq: 29 Sep 2021 19:20

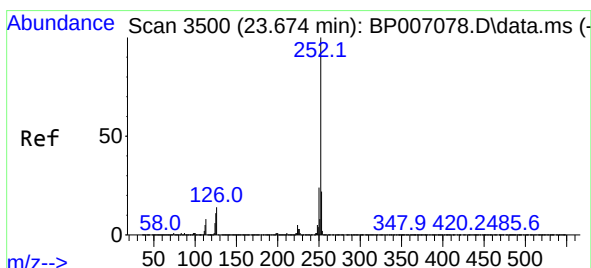
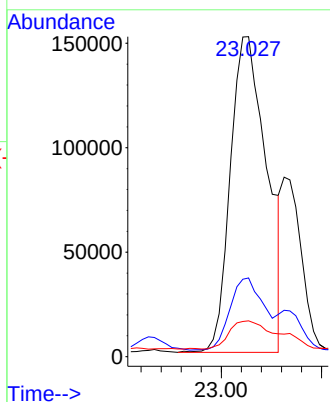
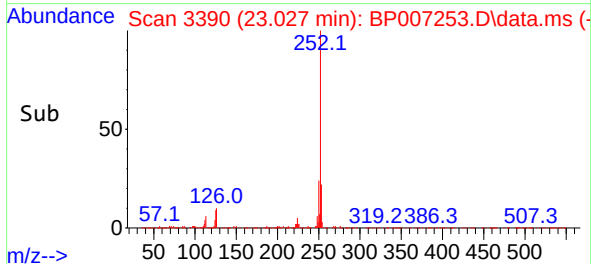
Instrument :  
BNA\_P  
ClientSampleId :  
RO-COMP-1



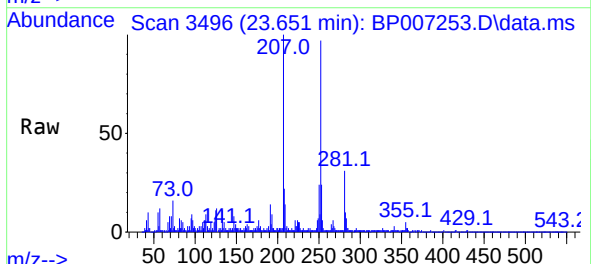
Tgt Ion:252 Resp: 382002  
Ion Ratio Lower Upper  
252 100  
253 24.6 17.5 26.3  
125 11.2 6.2 9.4#

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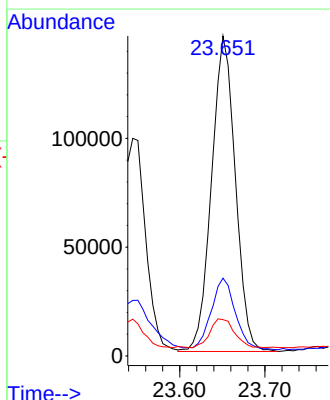
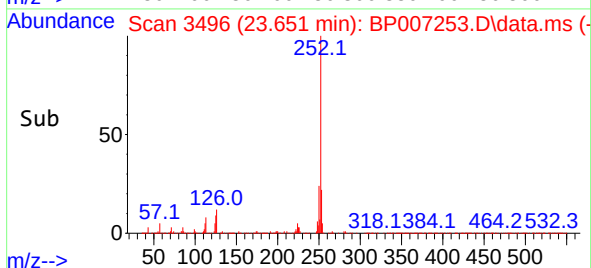
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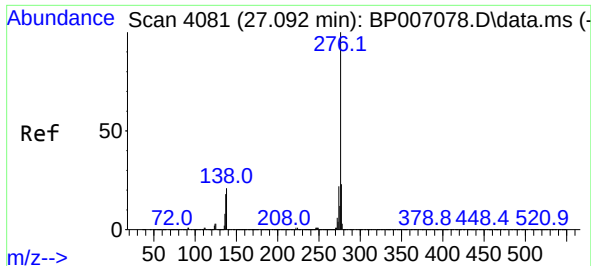


#90  
Benzo(a)pyrene  
Concen: 4.335 ng  
RT: 23.651 min Scan# 3496  
Delta R.T. -0.006 min  
Lab File: BP007253.D  
Acq: 29 Sep 2021 19:20



Tgt Ion:252 Resp: 281468  
Ion Ratio Lower Upper  
252 100  
253 24.3 17.9 26.9  
125 11.4 6.5 9.7#





#92  
Benzo(g,h,i)perylene  
Concen: 2.868 ng  
RT: 27.051 min Scan# 4074  
Delta R.T. -0.018 min  
Lab File: BP007253.D  
Acq: 29 Sep 2021 19:20

Tgt Ion: 276 Resp: 215555  
Ion Ratio Lower Upper  
276 100  
277 24.6 18.9 28.3  
138 18.1 12.6 18.8

Instrument :  
BNA\_P  
ClientSampleId :  
RO-COMP-1

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