

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092221\  
 Data File : BP007109.D  
 Acq On : 22 Sep 2021 21:27  
 Operator : CG/JU  
 Sample : M3733-03  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SUP-UST-02-(5-7)

Quant Time: Sep 23 01:07:36 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP092121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 21 16:50:24 2021  
 Response via : Initial Calibration

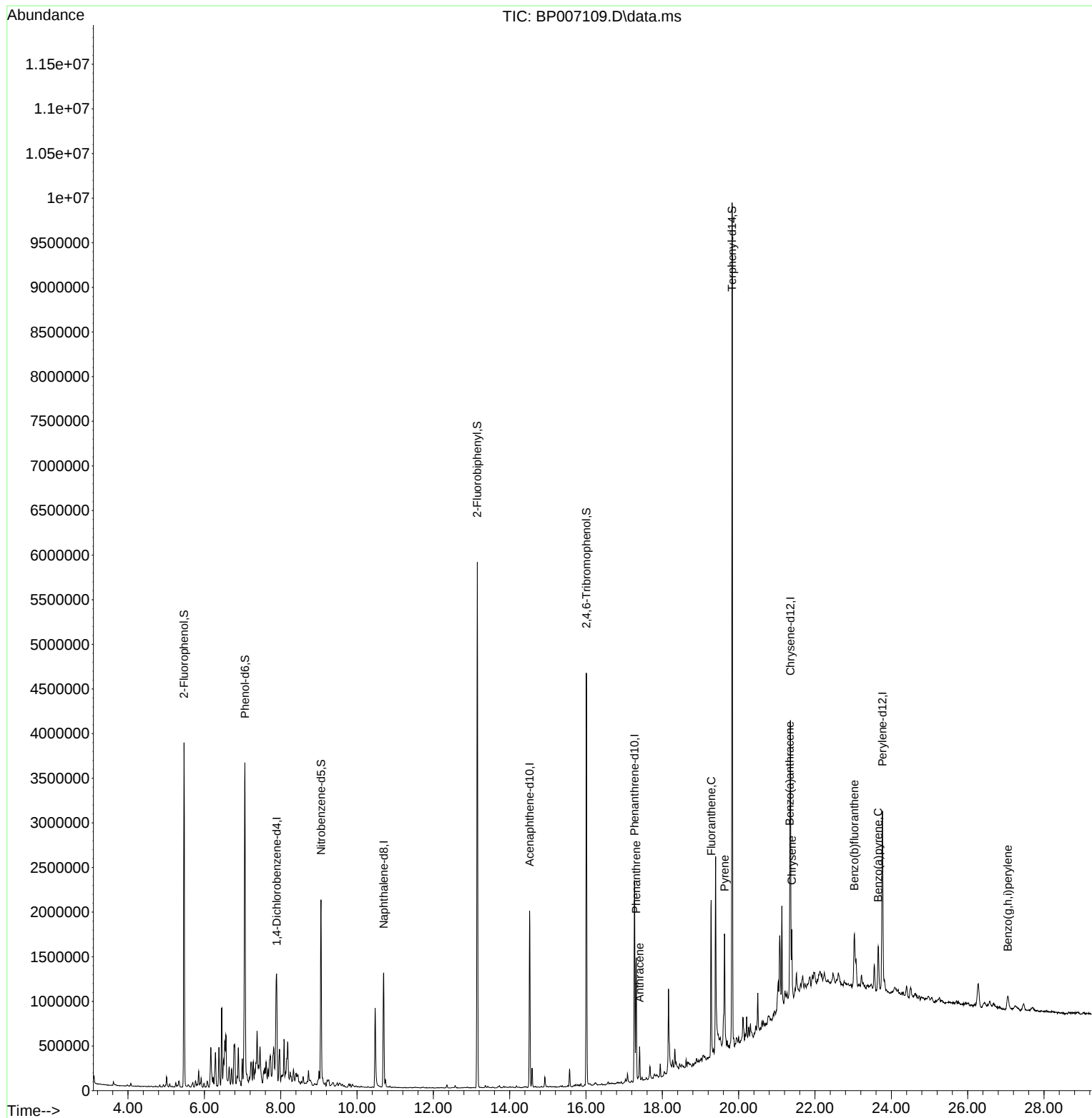
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.899  | 152  | 283176   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.699 | 136  | 1128929  | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.522 | 164  | 696261   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.269 | 188  | 1433474  | 20.000  | ng    | #-0.01   |
| 76) Chrysene-d12            | 21.357 | 240  | 1412910  | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12            | 23.769 | 264  | 1518519  | 20.000  | ng    | -0.01    |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.469  | 112  | 1751172  | 103.517 | ng    | 0.00     |
| 7) Phenol-d6                | 7.064  | 99   | 2141220  | 92.610  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.058  | 82   | 1199040  | 61.853  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.010 | 330  | 906487   | 100.423 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.151 | 172  | 3006700  | 61.866  | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.828 | 244  | 4393232  | 59.583  | ng    | -0.01    |
| Target Compounds            |        |      |          |         |       |          |
|                             |        |      |          |         |       | Qvalue   |
| 71) Phenanthrene            | 17.316 | 178  | 851175   | 11.074  | ng    | 99       |
| 72) Anthracene              | 17.404 | 178  | 235929   | 3.138   | ng    | 99       |
| 75) Fluoranthene            | 19.281 | 202  | 956214   | 10.798  | ng    | 96       |
| 78) Pyrene                  | 19.633 | 202  | 786888   | 8.489   | ng    | 99       |
| 81) Benzo(a)anthracene      | 21.339 | 228  | 473005   | 5.158   | ng    | 99       |
| 83) Chrysene                | 21.392 | 228  | 390570   | 4.456   | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 23.027 | 252  | 487230   | 5.369   | ng    | # 88     |
| 90) Benzo(a)pyrene          | 23.657 | 252  | 367713   | 4.769   | ng    | # 92     |
| 92) Benzo(g,h,i)perylene    | 27.051 | 276  | 206468   | 2.313   | ng    | # 90     |
| -----                       |        |      |          |         |       |          |

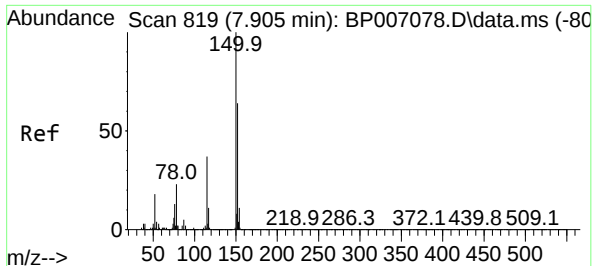
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092221\  
Data File : BP007109.D  
Acq On : 22 Sep 2021 21:27  
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Sample : M3733-03  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
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SUP-UST-02-(5-7)

Quant Time: Sep 23 01:07:36 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP092121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 21 16:50:24 2021  
Response via : Initial Calibration

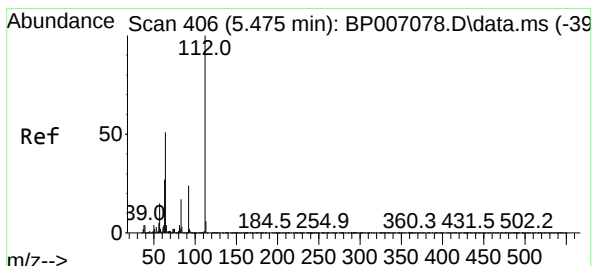
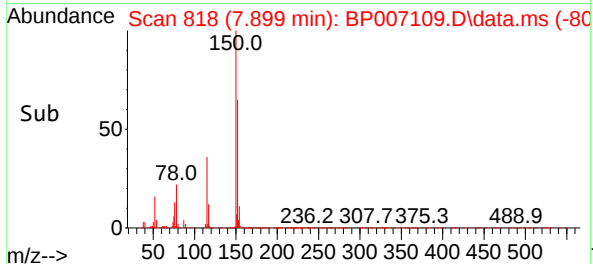
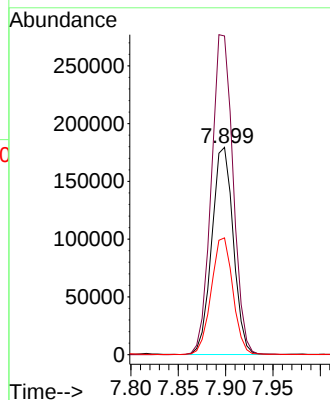
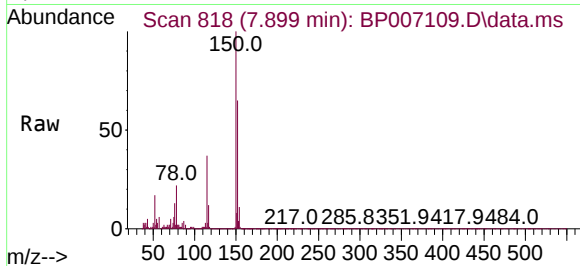




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.899 min Scan# 818  
Delta R.T. -0.006 min  
Lab File: BP007109.D  
Acq: 22 Sep 2021 21:27

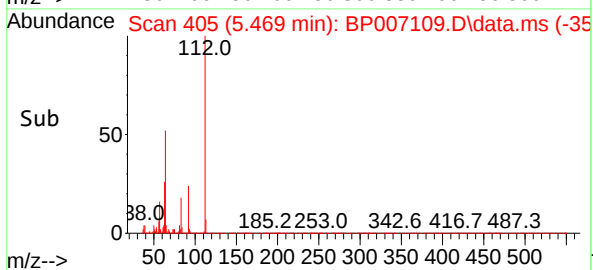
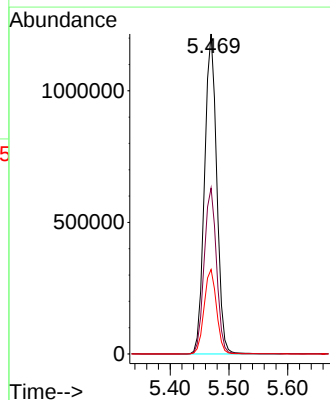
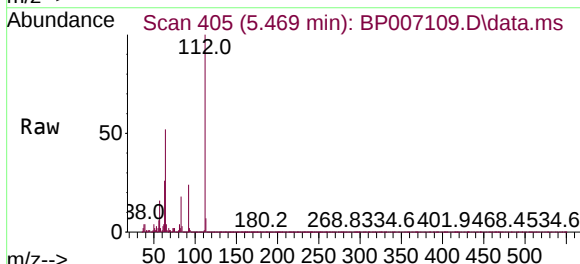
Instrument :  
BNA\_P  
ClientSampleId :  
SUP-UST-02-(5-7)

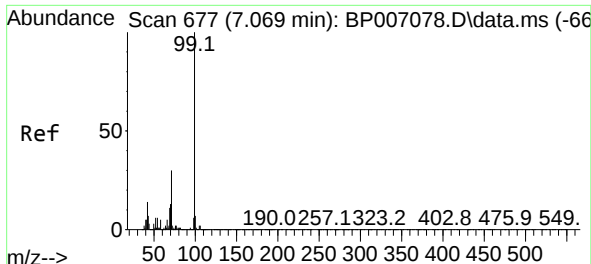
Tgt Ion:152 Resp: 283176  
Ion Ratio Lower Upper  
152 100  
150 153.7 125.6 188.4  
115 56.3 48.5 72.7



#5  
2-Fluorophenol  
Concen: 103.517 ng  
RT: 5.469 min Scan# 405  
Delta R.T. -0.006 min  
Lab File: BP007109.D  
Acq: 22 Sep 2021 21:27

Tgt Ion:112 Resp: 1751172  
Ion Ratio Lower Upper  
112 100  
64 51.9 41.4 62.2  
63 26.4 23.8 35.8

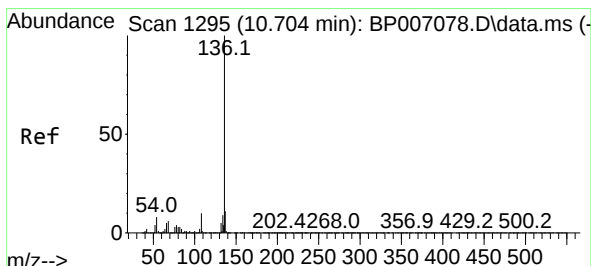
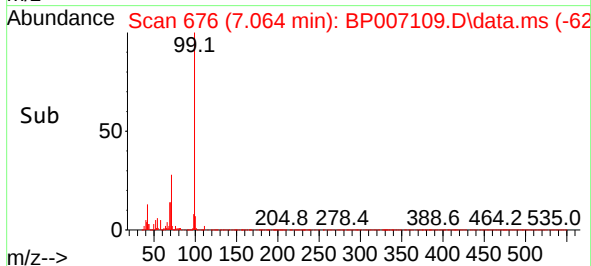
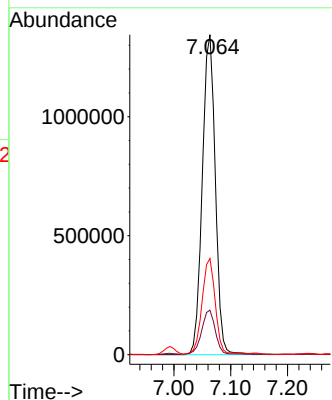
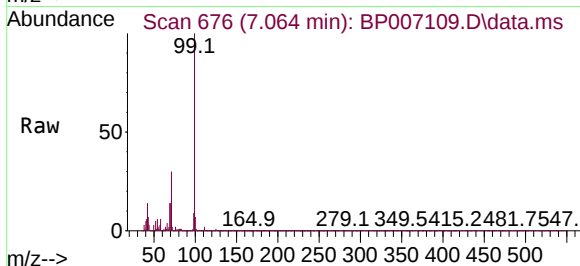




#7  
Phenol-d6  
Concen: 92.610 ng  
RT: 7.064 min Scan# 676  
Delta R.T. -0.005 min  
Lab File: BP007109.D  
Acq: 22 Sep 2021 21:27

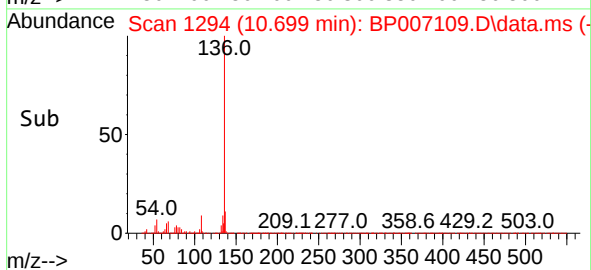
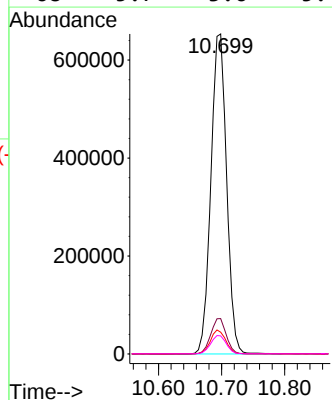
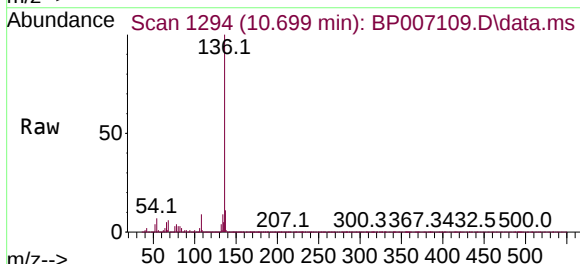
Instrument :  
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ClientSampleId :  
SUP-UST-02-(5-7)

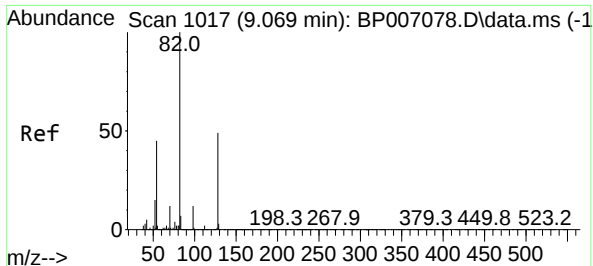
Tgt Ion: 99 Resp: 2141220  
Ion Ratio Lower Upper  
99 100  
42 13.9 13.4 20.0  
71 30.0 30.6 46.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.699 min Scan# 1294  
Delta R.T. -0.006 min  
Lab File: BP007109.D  
Acq: 22 Sep 2021 21:27

Tgt Ion: 136 Resp: 1128929  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.6 12.8  
54 6.8 4.6 6.8  
68 5.7 3.6 5.4#

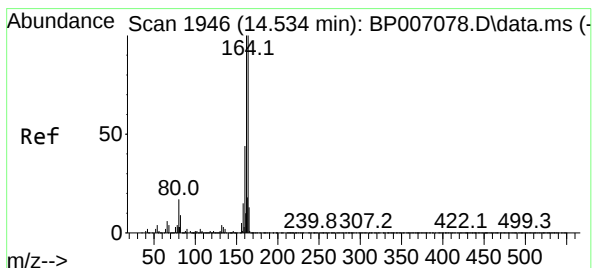
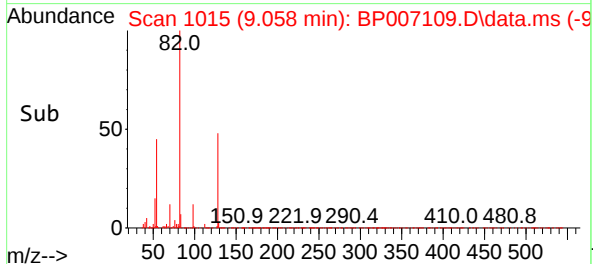
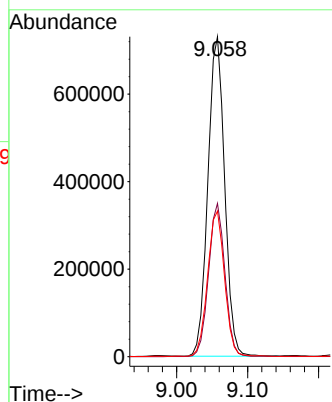
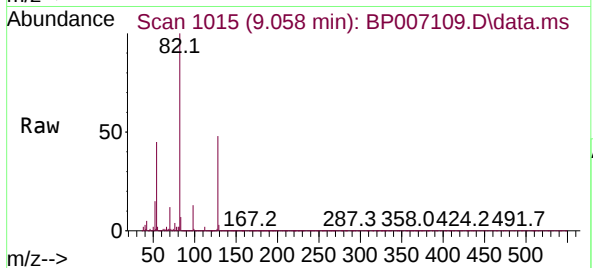




#23  
Nitrobenzene-d5  
Concen: 61.853 ng  
RT: 9.058 min Scan# 1015  
Delta R.T. -0.011 min  
Lab File: BP007109.D  
Acq: 22 Sep 2021 21:27

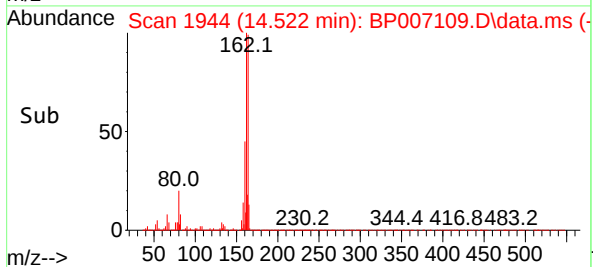
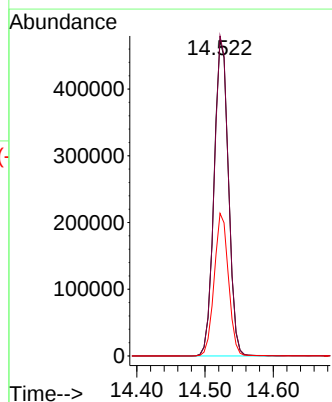
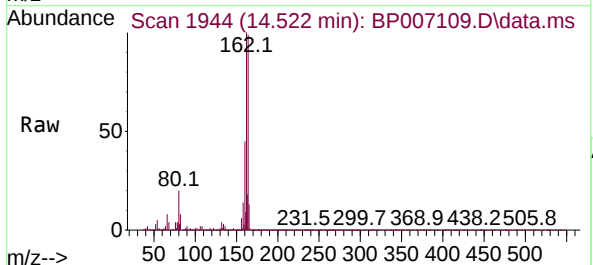
Instrument :  
BNA\_P  
ClientSampleId :  
SUP-UST-02-(5-7)

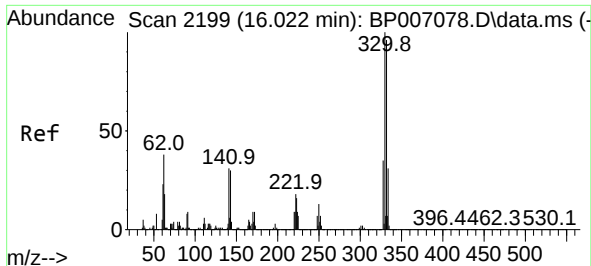
Tgt Ion: 82 Resp: 1199040  
Ion Ratio Lower Upper  
82 100  
128 47.9 35.7 53.5  
54 45.5 35.0 52.4



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.522 min Scan# 1944  
Delta R.T. -0.012 min  
Lab File: BP007109.D  
Acq: 22 Sep 2021 21:27

Tgt Ion: 164 Resp: 696261  
Ion Ratio Lower Upper  
164 100  
162 101.3 80.2 120.2  
160 45.1 34.5 51.7

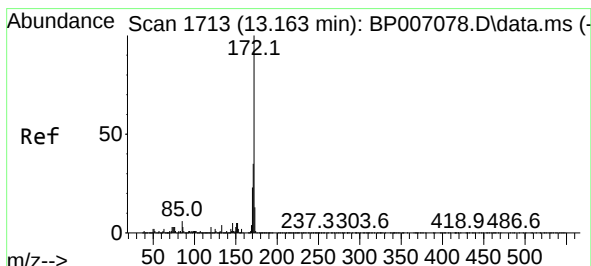
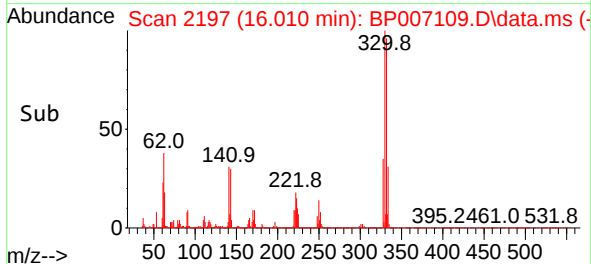
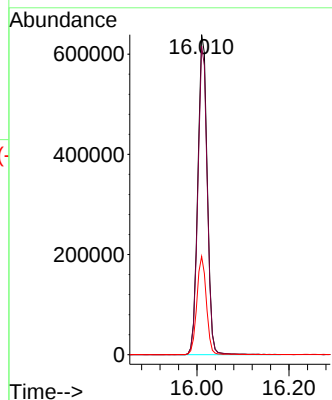
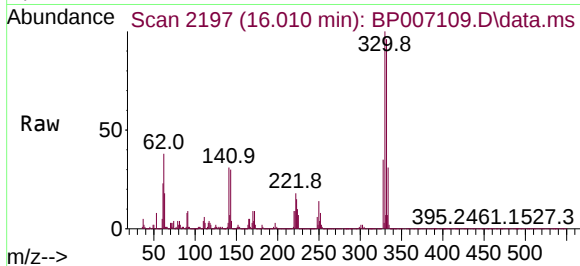




#42  
2,4,6-Tribromophenol  
Concen: 100.423 ng  
RT: 16.010 min Scan# 2197  
Delta R.T. -0.012 min  
Lab File: BP007109.D  
Acq: 22 Sep 2021 21:27

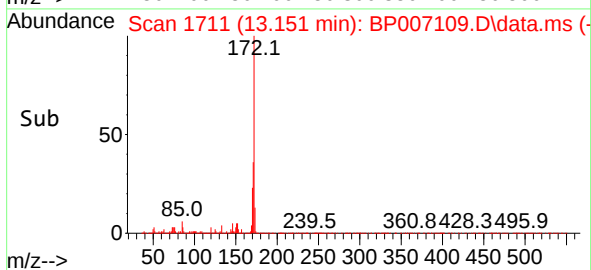
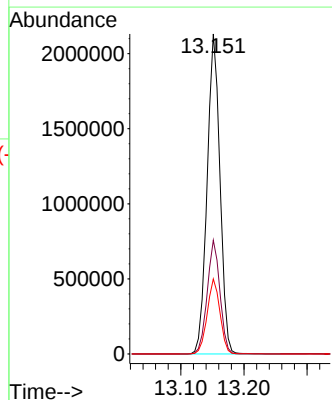
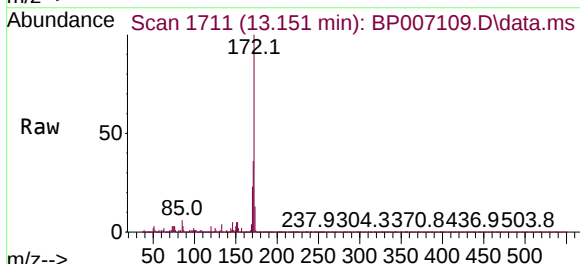
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ClientSampleId :  
SUP-UST-02-(5-7)

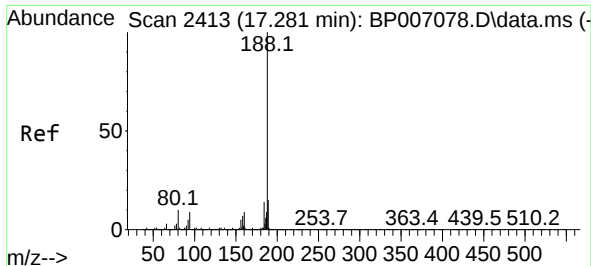
Tgt Ion:330 Resp: 906487  
Ion Ratio Lower Upper  
330 100  
332 95.7 77.8 116.8  
141 30.7 25.4 38.2



#45  
2-Fluorobiphenyl  
Concen: 61.866 ng  
RT: 13.151 min Scan# 1711  
Delta R.T. -0.012 min  
Lab File: BP007109.D  
Acq: 22 Sep 2021 21:27

Tgt Ion:172 Resp: 3006700  
Ion Ratio Lower Upper  
172 100  
171 35.6 27.9 41.9  
170 23.5 18.6 27.8

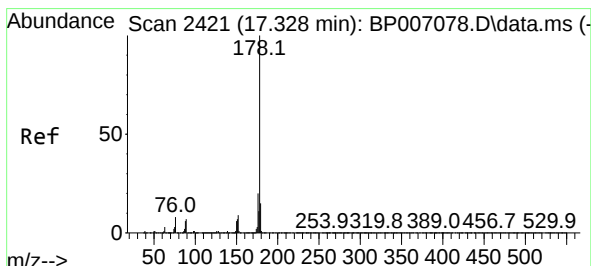
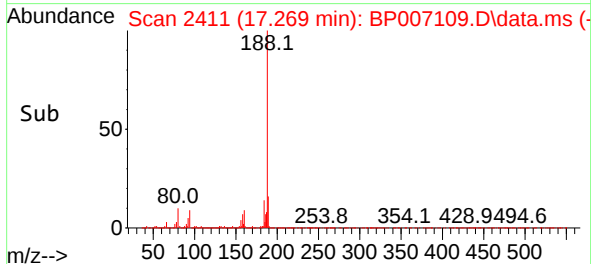
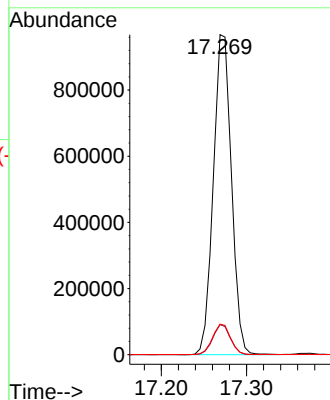
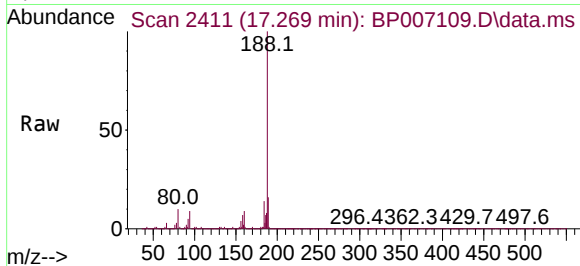




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.269 min Scan# 2411  
Delta R.T. -0.012 min  
Lab File: BP007109.D  
Acq: 22 Sep 2021 21:27

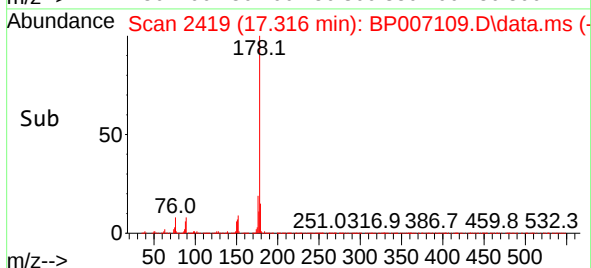
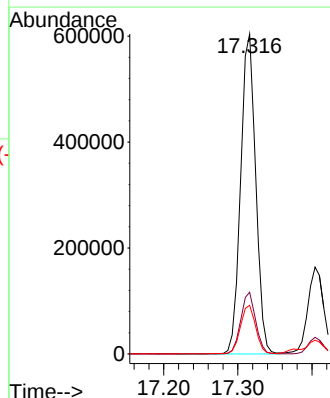
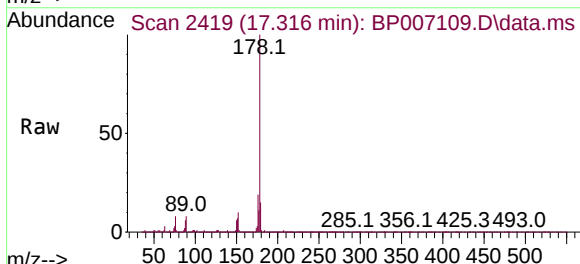
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SUP-UST-02-(5-7)

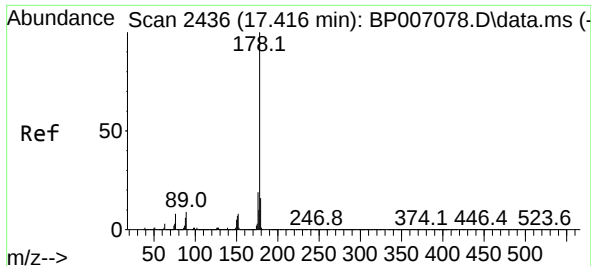
Tgt Ion:188 Resp: 1433474  
Ion Ratio Lower Upper  
188 100  
94 9.4 5.6 8.4#  
80 9.5 6.3 9.5#



#71  
Phenanthrene  
Concen: 11.074 ng  
RT: 17.316 min Scan# 2419  
Delta R.T. -0.012 min  
Lab File: BP007109.D  
Acq: 22 Sep 2021 21:27

Tgt Ion:178 Resp: 851175  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.1 22.7  
179 15.2 12.4 18.6

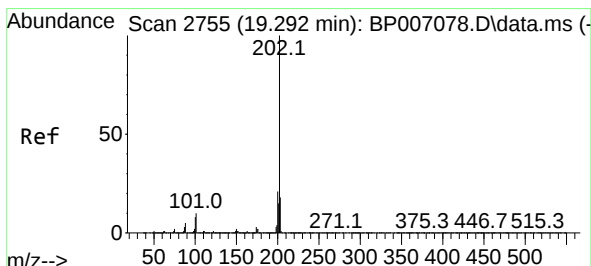
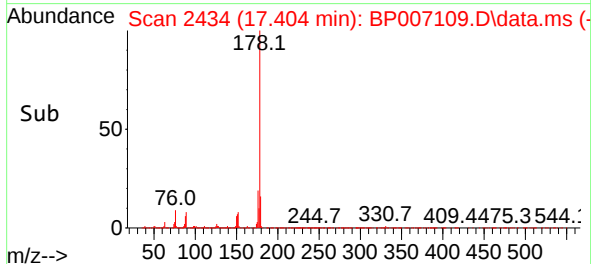
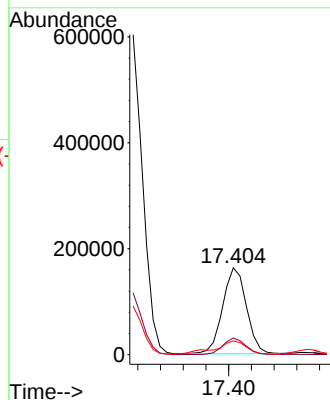
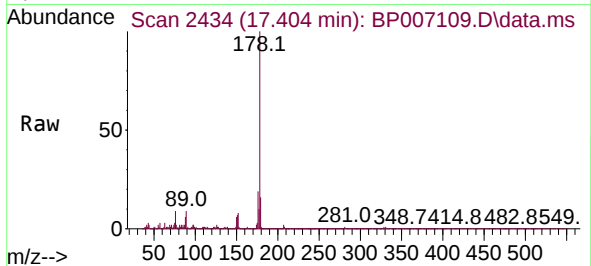




#72  
 Anthracene  
 Concen: 3.138 ng  
 RT: 17.404 min Scan# 2434  
 Delta R.T. -0.012 min  
 Lab File: BP007109.D  
 Acq: 22 Sep 2021 21:27

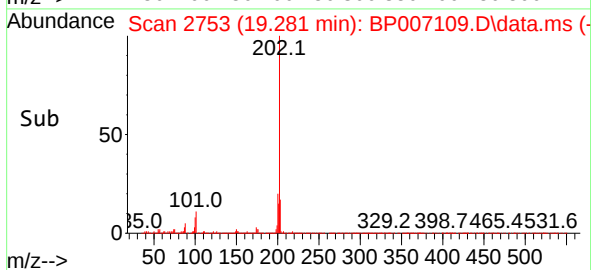
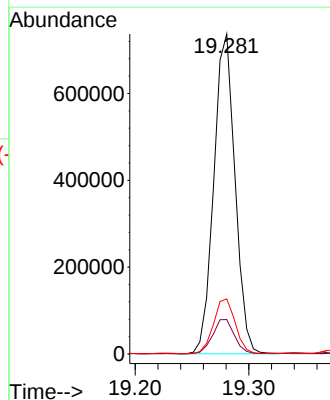
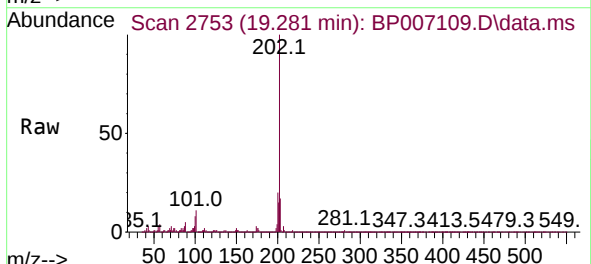
Instrument :  
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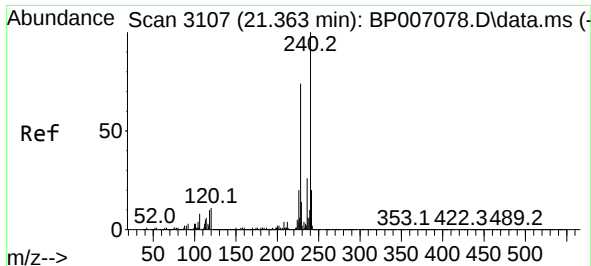
Tgt Ion:178 Resp: 235929  
 Ion Ratio Lower Upper  
 178 100  
 176 19.1 14.9 22.3  
 179 15.8 12.2 18.2



#75  
 Fluoranthene  
 Concen: 10.798 ng  
 RT: 19.281 min Scan# 2753  
 Delta R.T. -0.012 min  
 Lab File: BP007109.D  
 Acq: 22 Sep 2021 21:27

Tgt Ion:202 Resp: 956214  
 Ion Ratio Lower Upper  
 202 100  
 101 10.7 0.0 27.6  
 203 17.2 0.0 37.8

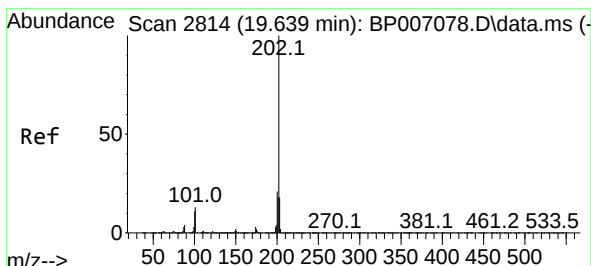
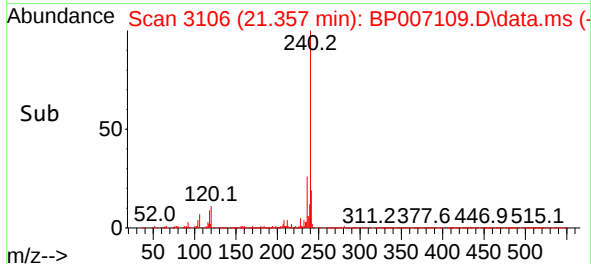
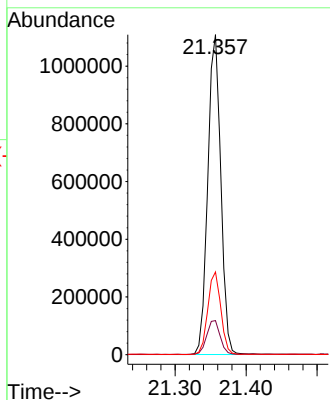
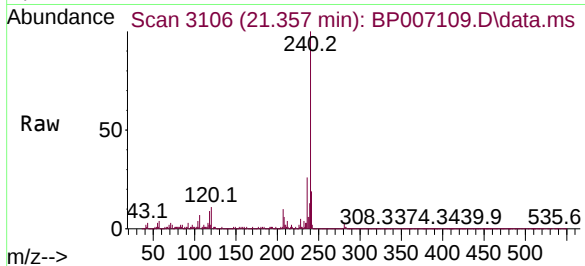




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.357 min Scan# 3106  
Delta R.T. -0.006 min  
Lab File: BP007109.D  
Acq: 22 Sep 2021 21:27

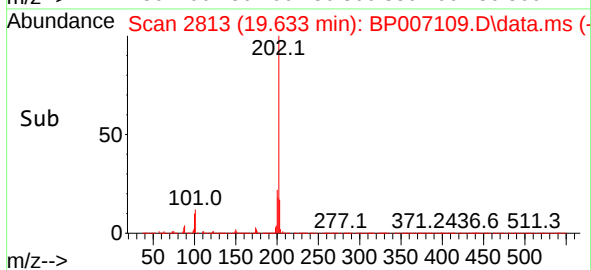
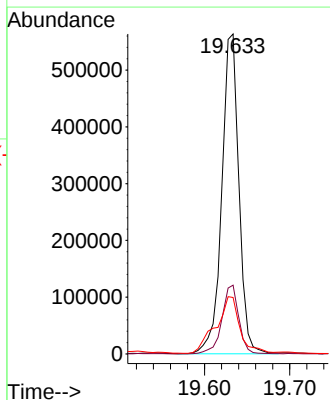
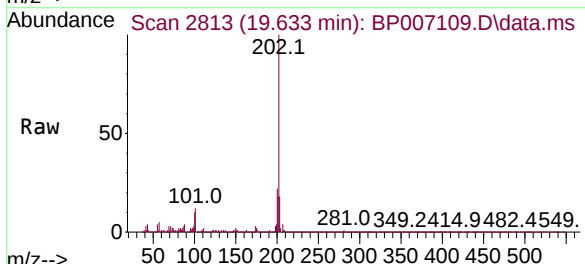
Instrument :  
BNA\_P  
ClientSampleId :  
SUP-UST-02-(5-7)

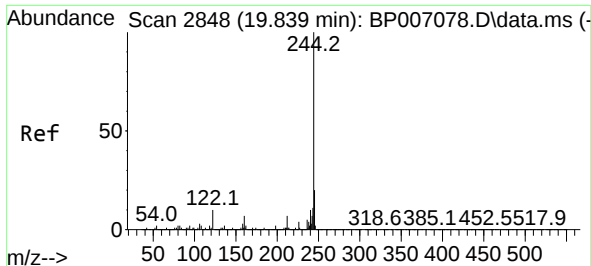
Tgt Ion:240 Resp: 1412910  
Ion Ratio Lower Upper  
240 100  
120 10.7 6.5 9.7#  
236 25.8 20.6 31.0



#78  
Pyrene  
Concen: 8.489 ng  
RT: 19.633 min Scan# 2813  
Delta R.T. -0.006 min  
Lab File: BP007109.D  
Acq: 22 Sep 2021 21:27

Tgt Ion:202 Resp: 786888  
Ion Ratio Lower Upper  
202 100  
200 21.5 16.3 24.5  
203 17.7 14.2 21.2

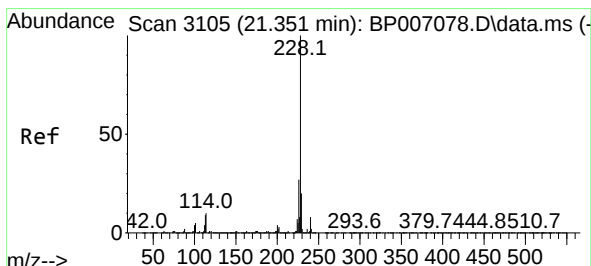
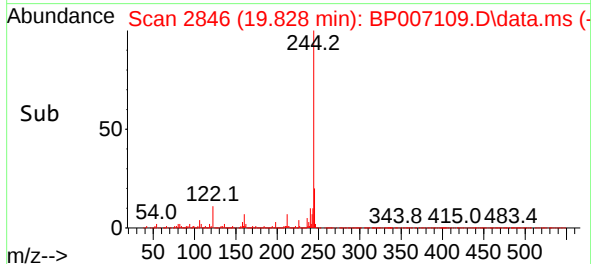
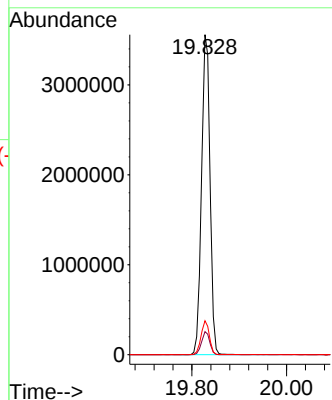
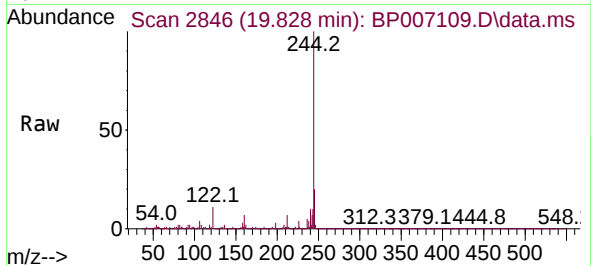




#79  
 Terphenyl-d14  
 Concen: 59.583 ng  
 RT: 19.828 min Scan# 2846  
 Delta R.T. -0.011 min  
 Lab File: BP007109.D  
 Acq: 22 Sep 2021 21:27

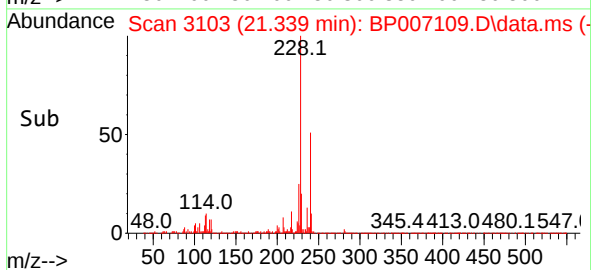
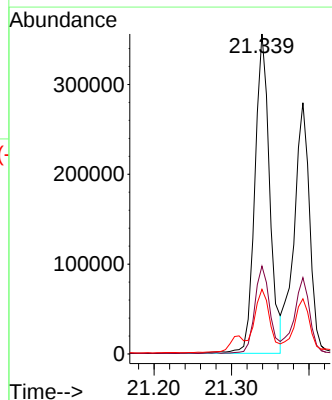
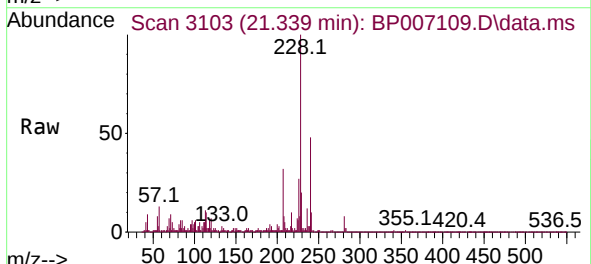
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SUP-UST-02-(5-7)

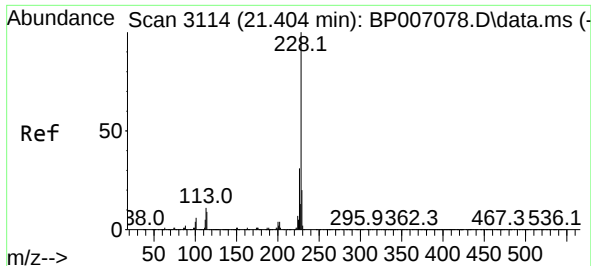
Tgt Ion:244 Resp: 4393232  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 6.0 9.0  
 122 10.6 7.1 10.7



#81  
 Benzo(a)anthracene  
 Concen: 5.158 ng  
 RT: 21.339 min Scan# 3103  
 Delta R.T. -0.012 min  
 Lab File: BP007109.D  
 Acq: 22 Sep 2021 21:27

Tgt Ion:228 Resp: 473005  
 Ion Ratio Lower Upper  
 228 100  
 226 27.5 21.6 32.4  
 229 20.2 15.8 23.6

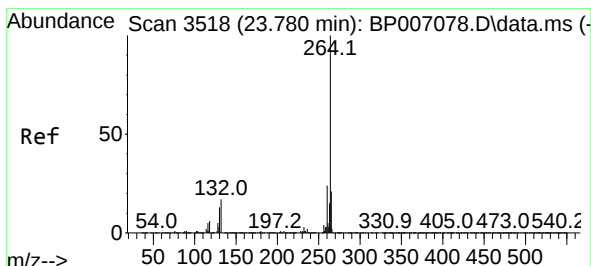
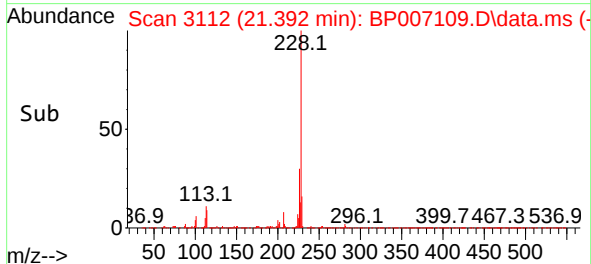
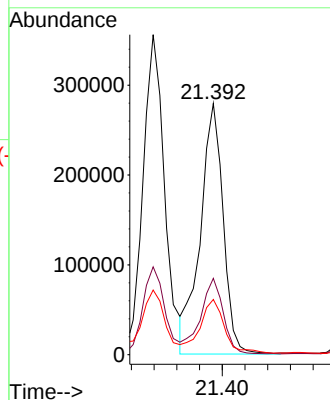
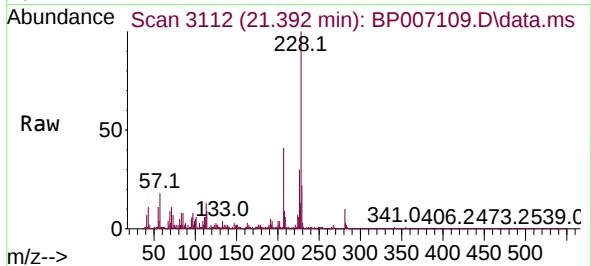




#83  
Chrysene  
Concen: 4.456 ng  
RT: 21.392 min Scan# 3112  
Delta R.T. -0.012 min  
Lab File: BP007109.D  
Acq: 22 Sep 2021 21:27

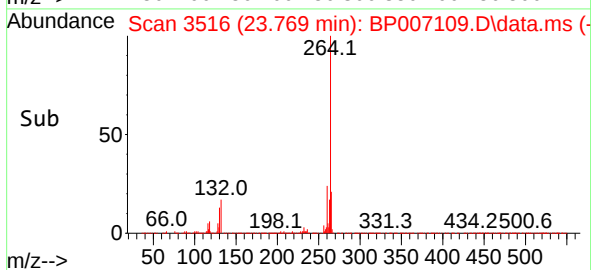
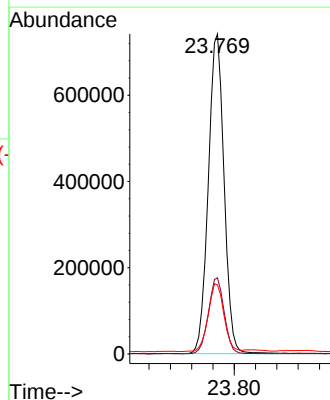
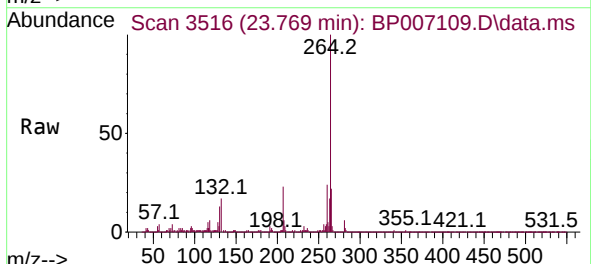
Instrument :  
BNA\_P  
ClientSampleId :  
SUP-UST-02-(5-7)

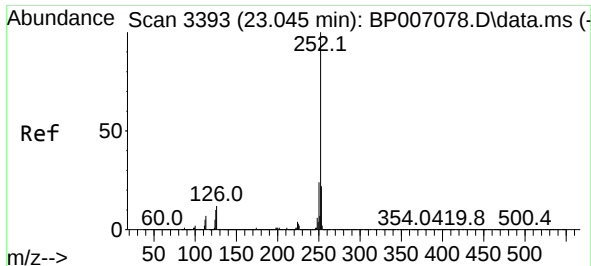
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 390570 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.4  | 23.8  | 35.6   |
| 229       | 22.0  | 15.4  | 23.2   |



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.769 min Scan# 3516  
Delta R.T. -0.012 min  
Lab File: BP007109.D  
Acq: 22 Sep 2021 21:27

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 264   | Resp: | 1518519 |
| Ion Ratio | Lower | Upper |         |
| 264       | 100   |       |         |
| 260       | 23.8  | 18.6  | 28.0    |
| 265       | 21.5  | 17.6  | 26.4    |

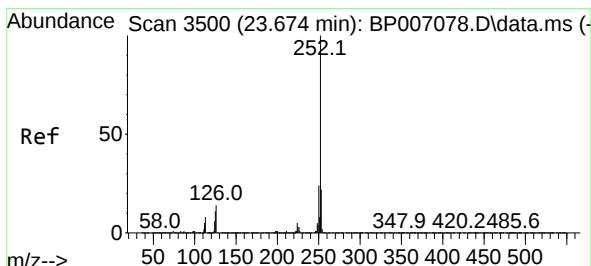
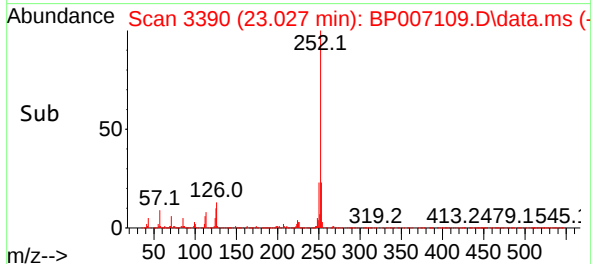
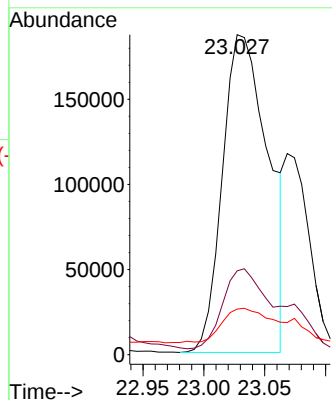
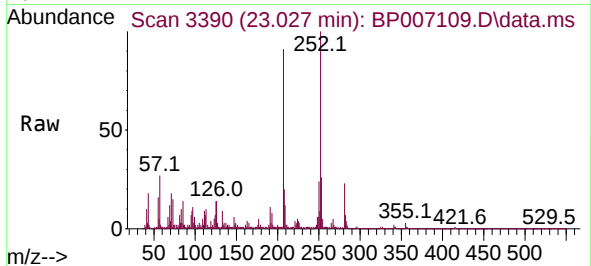




#88  
Benzo(b)fluoranthene  
Concen: 5.369 ng  
RT: 23.027 min Scan# 3390  
Delta R.T. -0.018 min  
Lab File: BP007109.D  
Acq: 22 Sep 2021 21:27

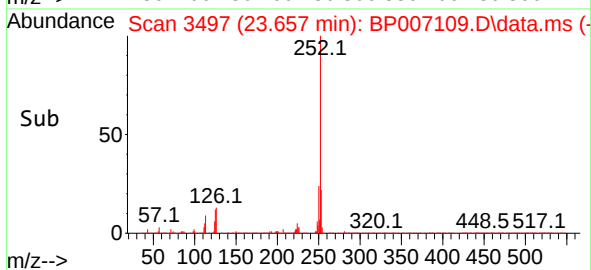
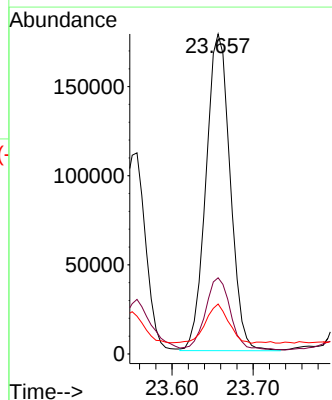
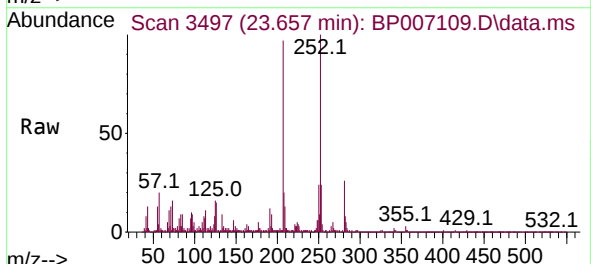
Instrument :  
BNA\_P  
ClientSampleId :  
SUP-UST-02-(5-7)

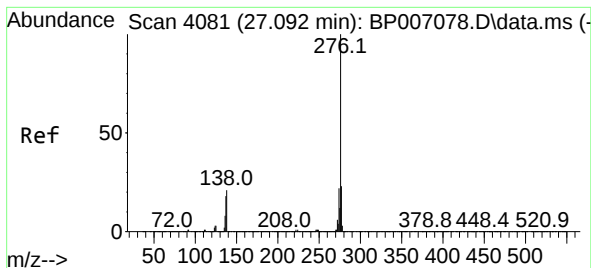
Tgt Ion:252 Resp: 487230  
Ion Ratio Lower Upper  
252 100  
253 26.2 17.5 26.3  
125 14.3 6.2 9.4#



#90  
Benzo(a)pyrene  
Concen: 4.769 ng  
RT: 23.657 min Scan# 3497  
Delta R.T. -0.018 min  
Lab File: BP007109.D  
Acq: 22 Sep 2021 21:27

Tgt Ion:252 Resp: 367713  
Ion Ratio Lower Upper  
252 100  
253 23.8 17.9 26.9  
125 15.6 6.5 9.7#





#92

Benzo(g,h,i)perylene

Concen: 2.313 ng

RT: 27.051 min Scan# 4074

Delta R.T. -0.041 min

Lab File: BP007109.D

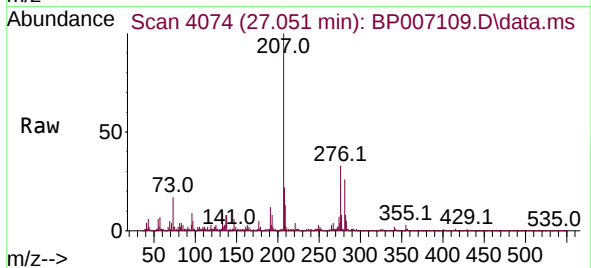
Acq: 22 Sep 2021 21:27

Instrument :

BNA\_P

ClientSampleId :

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Tgt Ion:276 Resp: 206468

Ion Ratio Lower Upper

276 100

277 25.1 18.9 28.3

138 24.1 12.6 18.8#

