

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121021\  
 Data File : BP008361.D  
 Acq On : 11 Dec 2021 02:45  
 Operator : CG/JU  
 Sample : M4973-01 10X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 HD-02-120821

Quant Time: Dec 11 04:03:49 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP112521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 11 03:53:01 2021  
 Response via : Initial Calibration

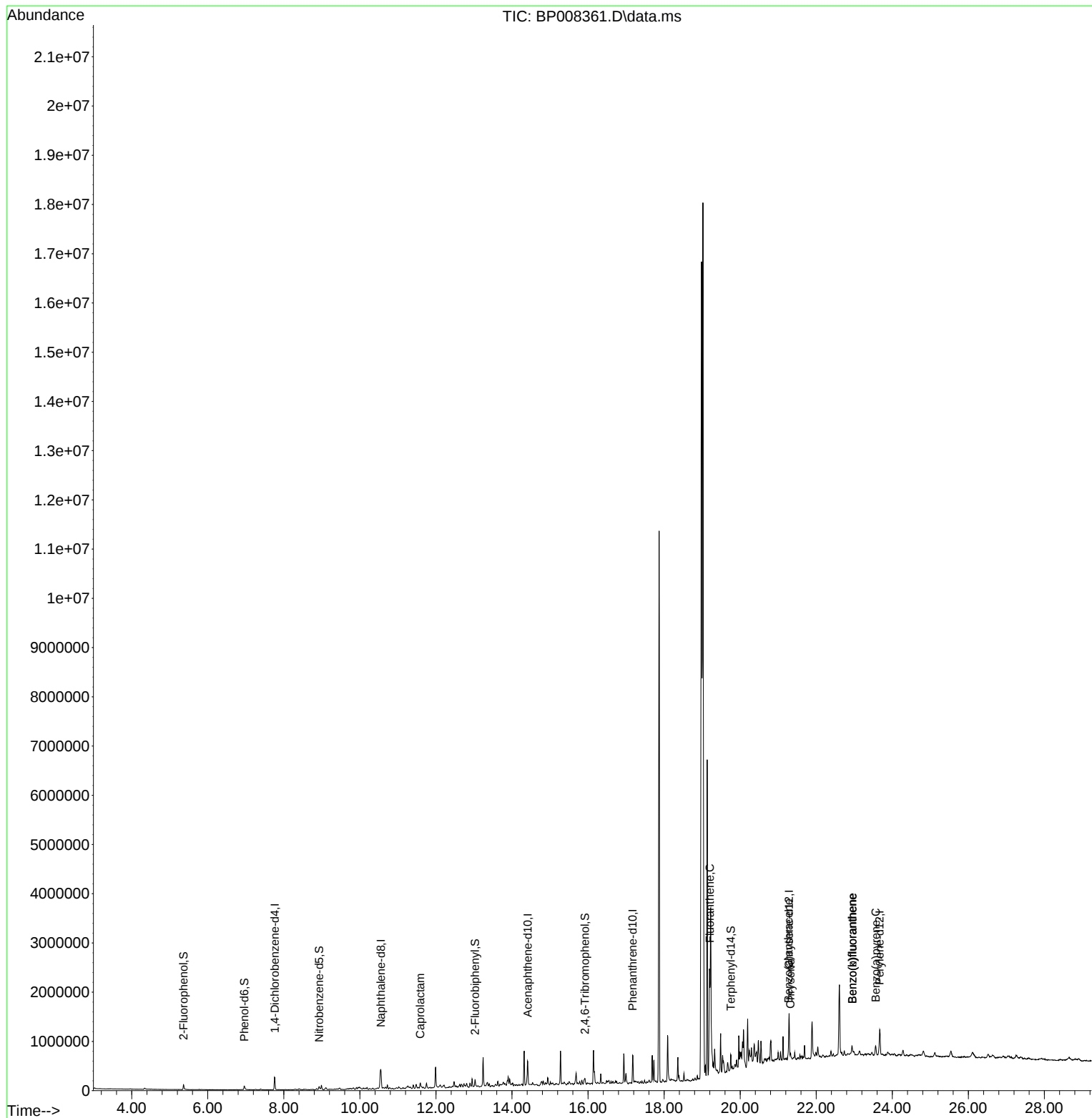
| Compound                    | R.T.   | QIon | Response | Conc      | Units    | Dev(Min) |
|-----------------------------|--------|------|----------|-----------|----------|----------|
| -----                       |        |      |          |           |          |          |
| Internal Standards          |        |      |          |           |          |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.763  | 152  | 67065    | 20.000    | ng       | 0.00     |
| 21) Naphthalene-d8          | 10.557 | 136  | 239955   | 20.000    | ng       | 0.00     |
| 39) Acenaphthene-d10        | 14.416 | 164  | 154767   | 20.000    | ng       | 0.00     |
| 64) Phenanthrene-d10        | 17.175 | 188  | 337260   | 20.000    | ng       | 0.00     |
| 76) Chrysene-d12            | 21.286 | 240  | 410005   | 20.000    | ng       | 0.00     |
| 86) Perylene-d12            | 23.668 | 264  | 415034   | 20.000    | ng       | 0.00     |
|                             |        |      |          |           |          |          |
| System Monitoring Compounds |        |      |          |           |          |          |
| 5) 2-Fluorophenol           | 5.364  | 112  | 42512    | 10.206    | ng       | 0.00     |
| 7) Phenol-d6                | 6.963  | 99   | 50959    | 9.063     | ng       | 0.01     |
| 23) Nitrobenzene-d5         | 8.928  | 82   | 36443    | 6.906     | ng       | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.922 | 330  | 21590    | 10.914    | ng       | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.028 | 172  | 75862    | 7.120     | ng       | 0.00     |
| 79) Terphenyl-d14           | 19.757 | 244  | 147638   | 7.526     | ng       | 0.00     |
|                             |        |      |          |           |          |          |
| Target Compounds            |        |      |          |           |          |          |
| 9) Benzaldehyde             | 6.928  | 77   | 207      | Below Cal | Qvalue # | 44       |
| 35) Caprolactam             | 11.587 | 113  | 3638     | 4.153 ng  | #        | 1        |
| 75) Fluoranthene            | 19.204 | 202  | 92301    | 3.848 ng  |          | 94       |
| 81) Benzo(a)anthracene      | 21.269 | 228  | 60424    | 2.224 ng  | #        | 93       |
| 83) Chrysene                | 21.321 | 228  | 56041    | 2.167 ng  | #        | 88       |
| 88) Benzo(b)fluoranthene    | 22.951 | 252  | 79230    | 3.167 ng  | #        | 79       |
| 89) Benzo(k)fluoranthene    | 22.951 | 252  | 79230    | 3.235 ng  | #        | 78       |
| 90) Benzo(a)pyrene          | 23.568 | 252  | 61630    | 2.882 ng  | #        | 84       |
| -----                       |        |      |          |           |          |          |

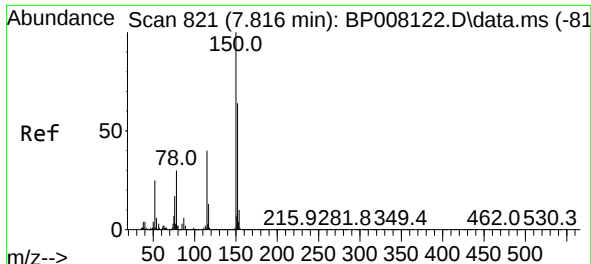
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121021\  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP112521.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Dec 11 03:53:01 2021  
Response via : Initial Calibration

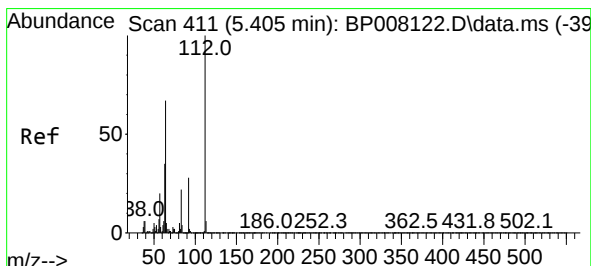
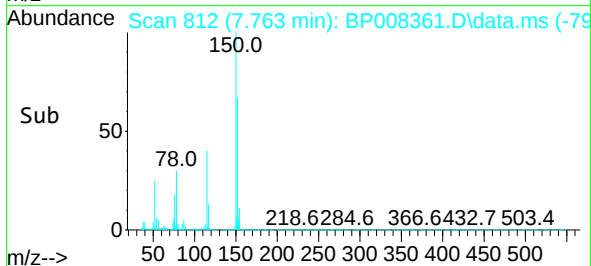
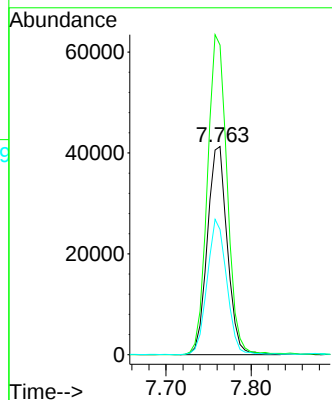
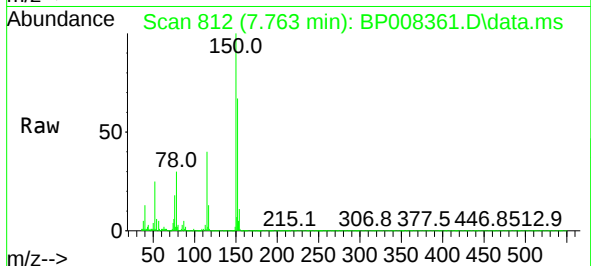




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.763 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BP008361.D  
Acq: 11 Dec 2021 02:45

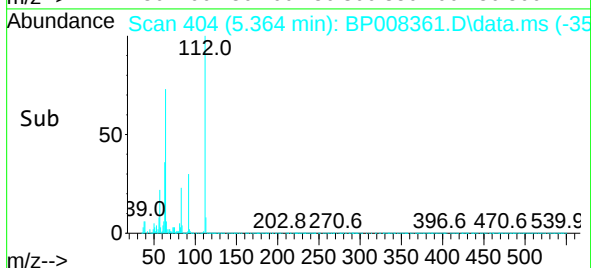
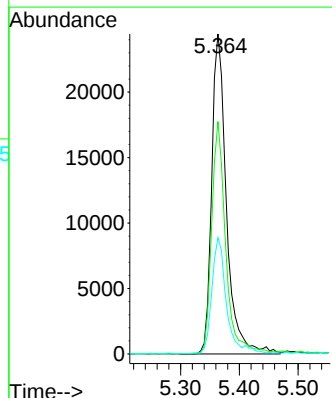
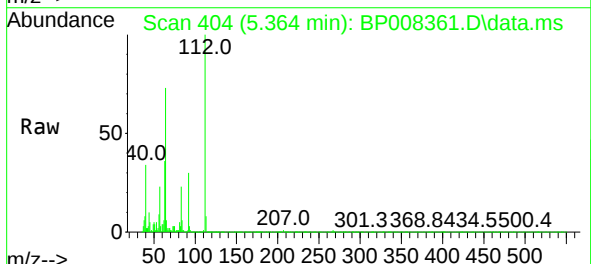
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ClientSampleId :  
HD-02-120821

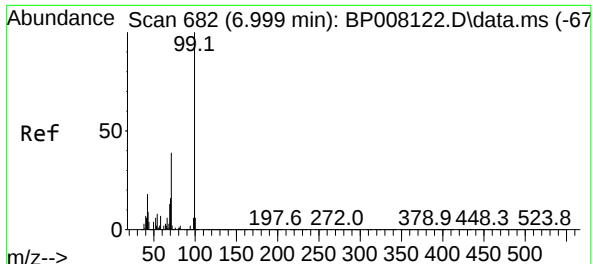
Tgt Ion:152 Resp: 67065  
Ion Ratio Lower Upper  
152 100  
150 148.7 125.7 188.5  
115 60.1 50.7 76.1



#5  
2-Fluorophenol  
Concen: 10.206 ng  
RT: 5.364 min Scan# 404  
Delta R.T. 0.006 min  
Lab File: BP008361.D  
Acq: 11 Dec 2021 02:45

Tgt Ion:112 Resp: 42512  
Ion Ratio Lower Upper  
112 100  
64 72.7 53.4 80.2  
63 36.4 27.8 41.8

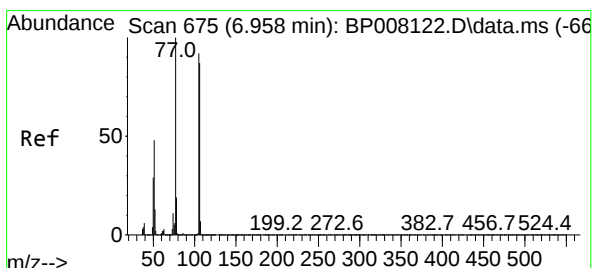
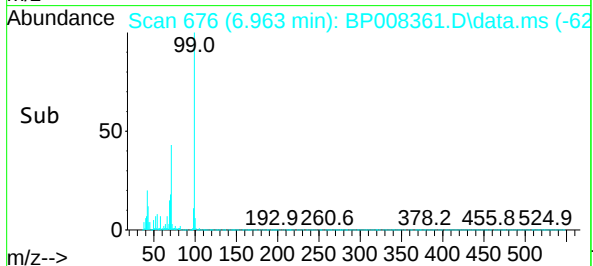
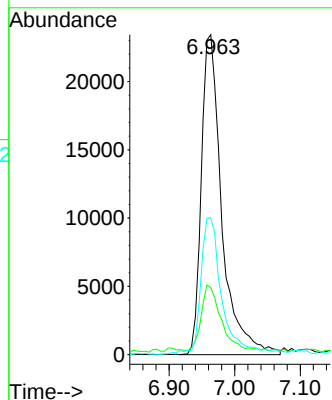
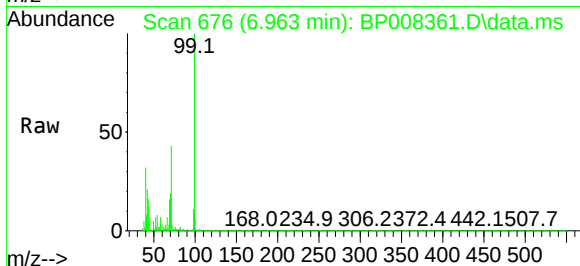




#7  
Phenol-d6  
Concen: 9.063 ng  
RT: 6.963 min Scan# 61  
Delta R.T. 0.012 min  
Lab File: BP008361.D  
Acq: 11 Dec 2021 02:45

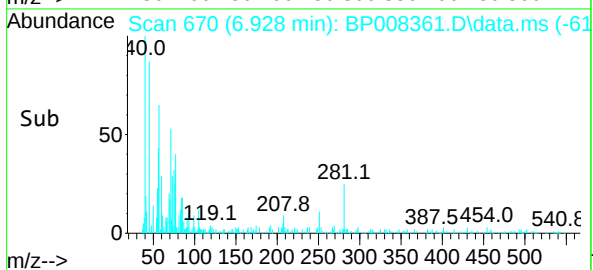
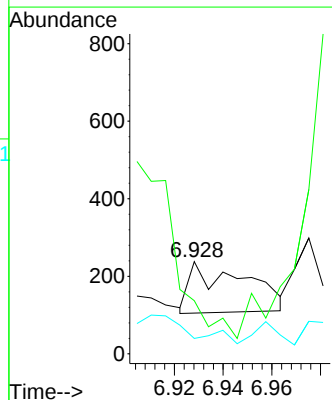
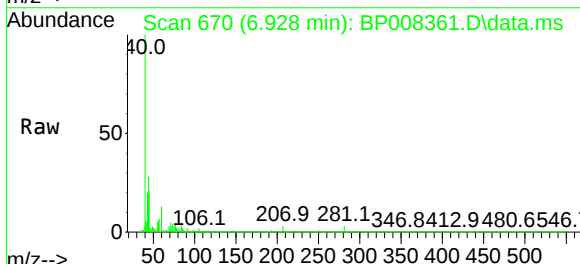
Instrument :  
BNA\_P  
ClientSampleId :  
HD-02-120821

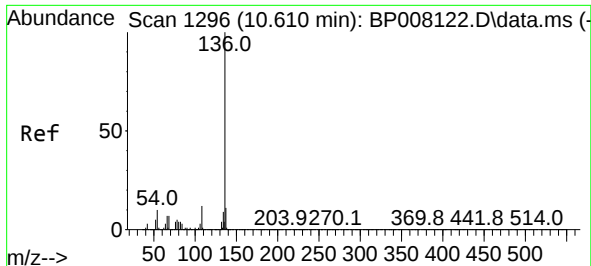
Tgt Ion: 99 Resp: 50959  
Ion Ratio Lower Upper  
99 100  
42 21.0 14.6 22.0  
71 42.8 31.1 46.7



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.928 min Scan# 670  
Delta R.T. 0.018 min  
Lab File: BP008361.D  
Acq: 11 Dec 2021 02:45

Tgt Ion: 77 Resp: 207  
Ion Ratio Lower Upper  
77 100  
105 57.6 71.8 111.8#  
106 16.8 67.3 107.3#

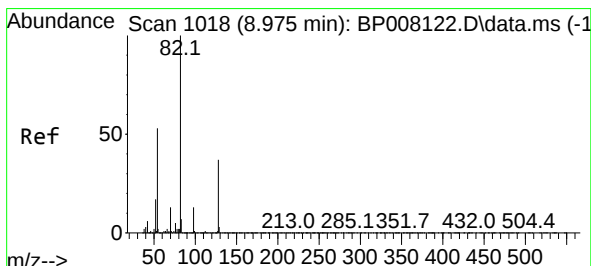
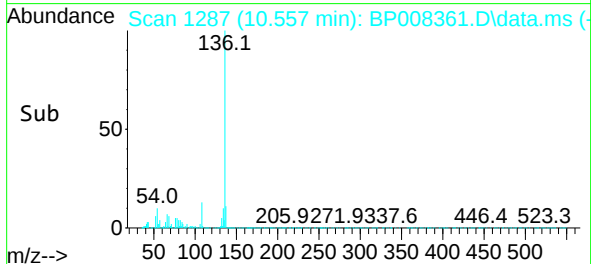
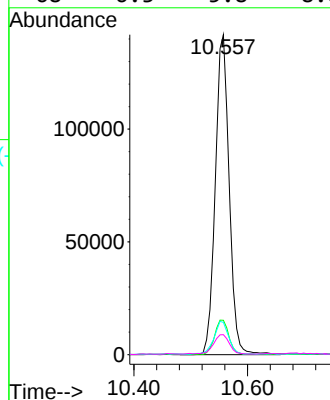
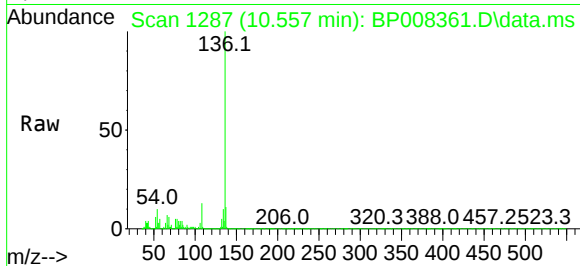




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.557 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BP008361.D  
Acq: 11 Dec 2021 02:45

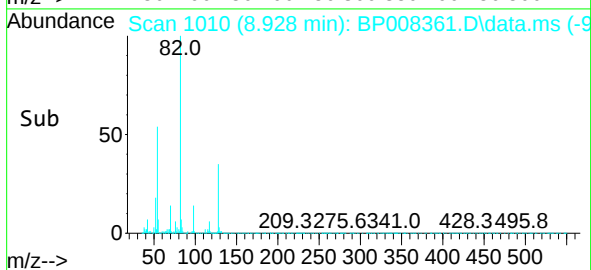
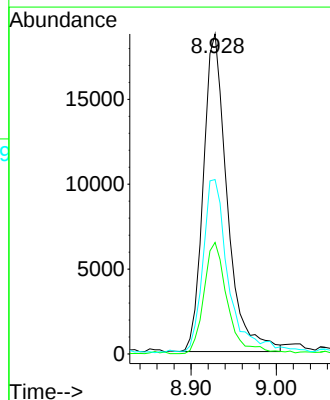
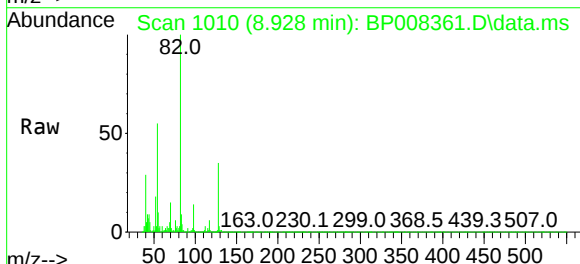
Instrument :  
BNA\_P  
ClientSampleId :  
HD-02-120821

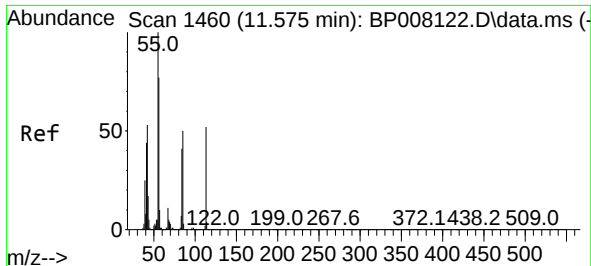
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 239955 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 9.0   | 13.6   |
| 54       | 10.1  | 8.2   | 12.4   |
| 68       | 6.3   | 5.8   | 8.8    |



#23  
Nitrobenzene-d5  
Concen: 6.906 ng  
RT: 8.928 min Scan# 1010  
Delta R.T. 0.000 min  
Lab File: BP008361.D  
Acq: 11 Dec 2021 02:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 36443 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 34.9  | 29.6  | 44.4  |
| 54       | 54.5  | 42.7  | 64.1  |

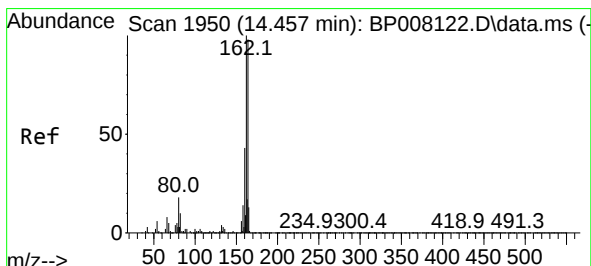
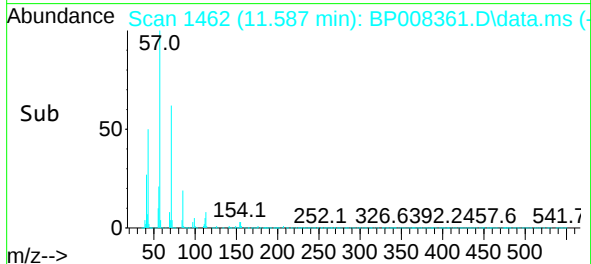
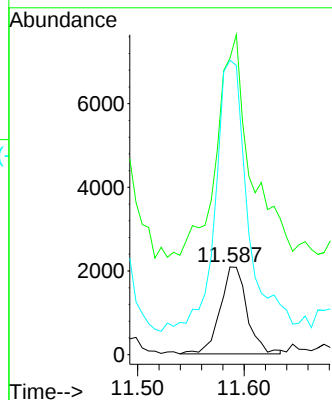
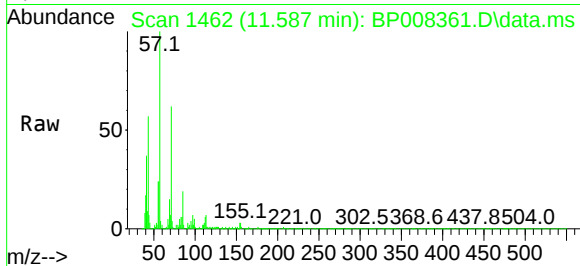




#35  
Caprolactam  
Concen: 4.153 ng  
RT: 11.587 min Scan# 1460  
Delta R.T. 0.047 min  
Lab File: BP008361.D  
Acq: 11 Dec 2021 02:45

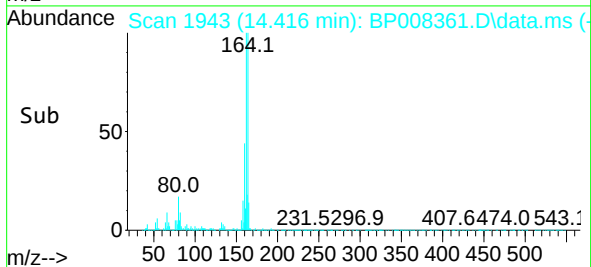
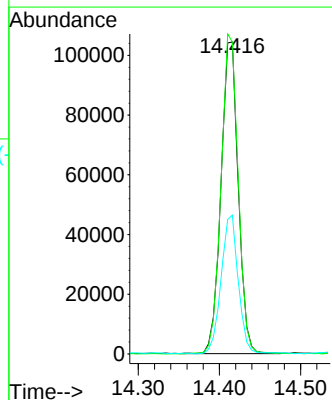
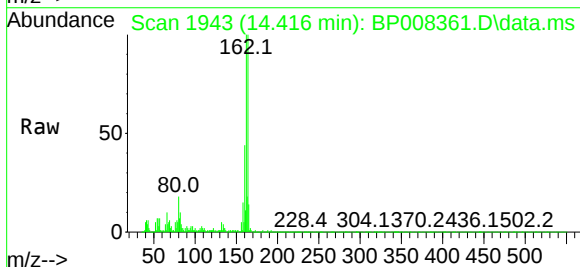
Instrument :  
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ClientSampleId :  
HD-02-120821

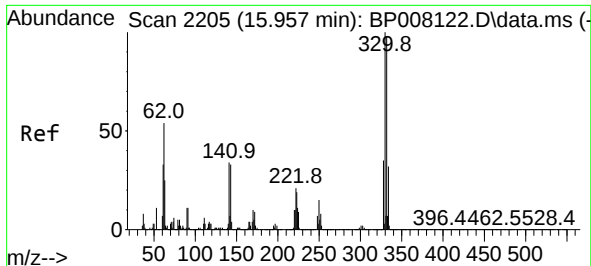
Tgt Ion:113 Resp: 3638  
Ion Ratio Lower Upper  
113 100  
55 338.1 174.2 214.2#  
56 335.9 130.3 170.3#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.416 min Scan# 1943  
Delta R.T. 0.000 min  
Lab File: BP008361.D  
Acq: 11 Dec 2021 02:45

Tgt Ion:164 Resp: 154767  
Ion Ratio Lower Upper  
164 100  
162 100.0 81.9 122.9  
160 44.5 35.4 53.0

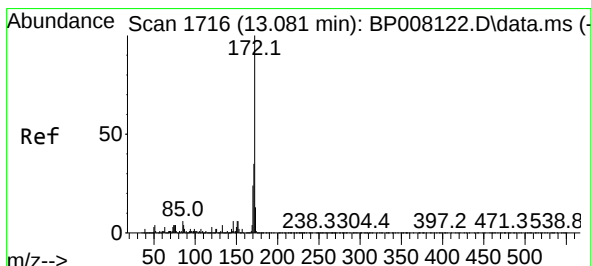
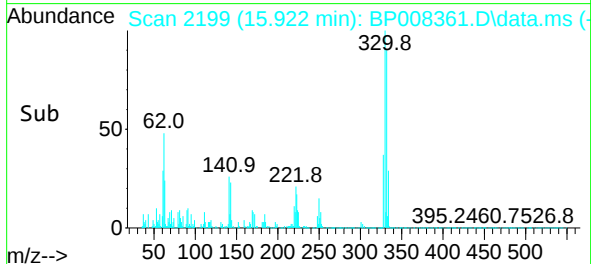
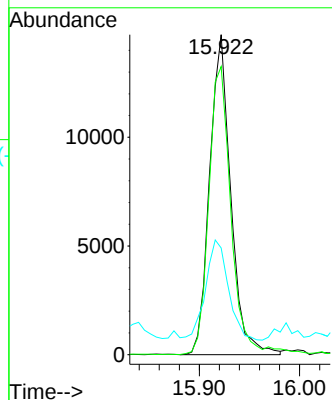
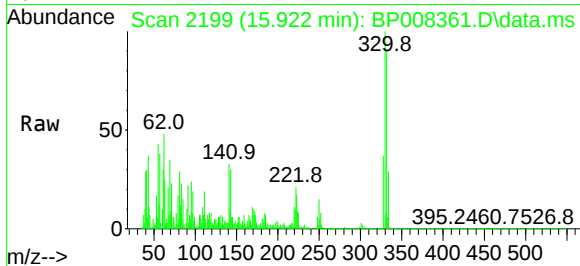




#42  
2,4,6-Tribromophenol  
Concen: 10.914 ng  
RT: 15.922 min Scan# 2199  
Delta R.T. 0.006 min  
Lab File: BP008361.D  
Acq: 11 Dec 2021 02:45

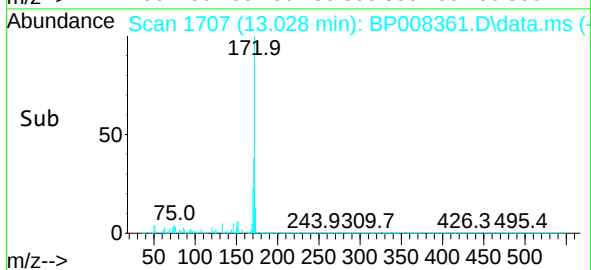
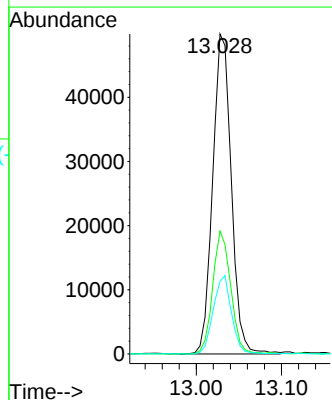
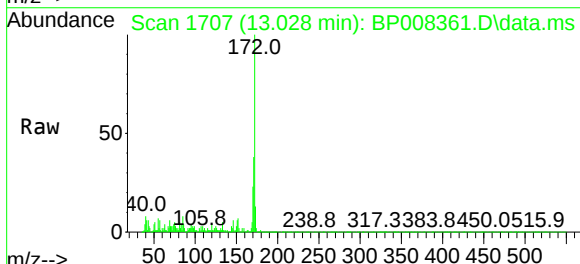
Instrument :  
BNA\_P  
ClientSampleId :  
HD-02-120821

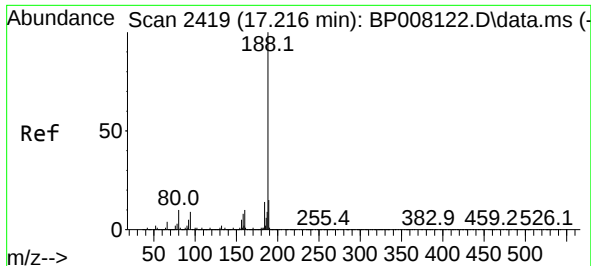
Tgt Ion:330 Resp: 21590  
Ion Ratio Lower Upper  
330 100  
332 94.7 77.0 115.4  
141 33.9 28.4 42.6



#45  
2-Fluorobiphenyl  
Concen: 7.120 ng  
RT: 13.028 min Scan# 1707  
Delta R.T. -0.006 min  
Lab File: BP008361.D  
Acq: 11 Dec 2021 02:45

Tgt Ion:172 Resp: 75862  
Ion Ratio Lower Upper  
172 100  
171 38.4 28.0 42.0  
170 22.8 18.9 28.3

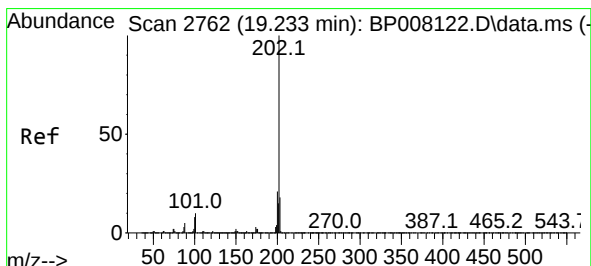
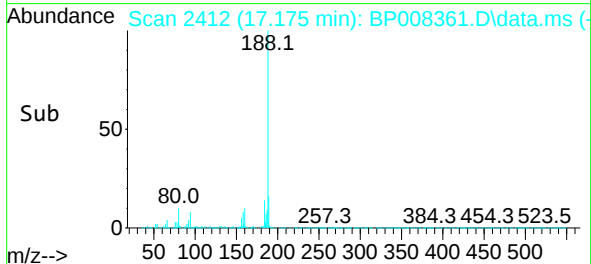
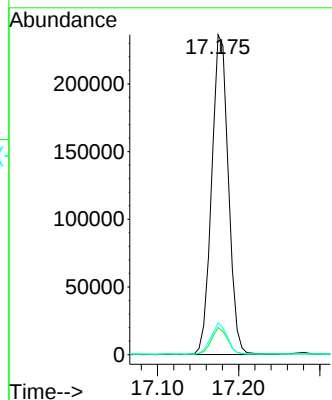
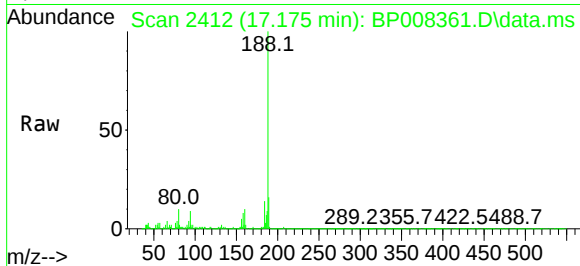




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.175 min Scan# 2419  
Delta R.T. -0.006 min  
Lab File: BP008361.D  
Acq: 11 Dec 2021 02:45

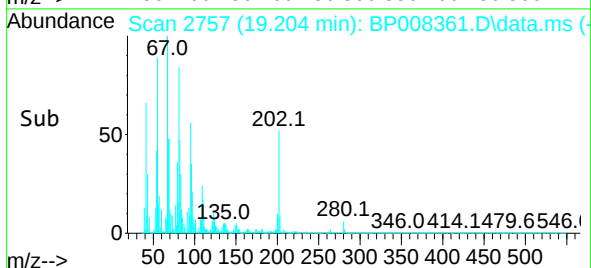
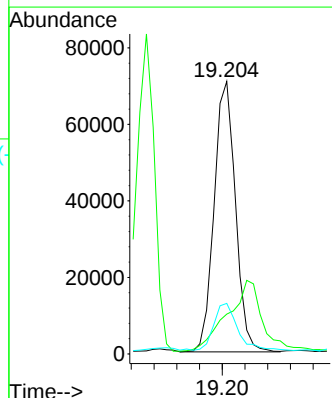
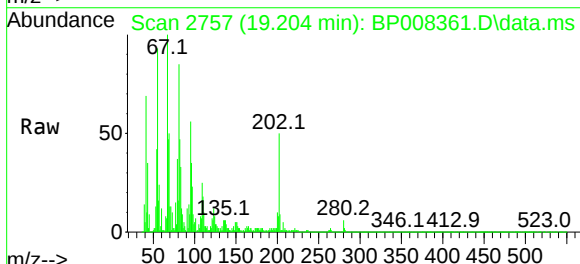
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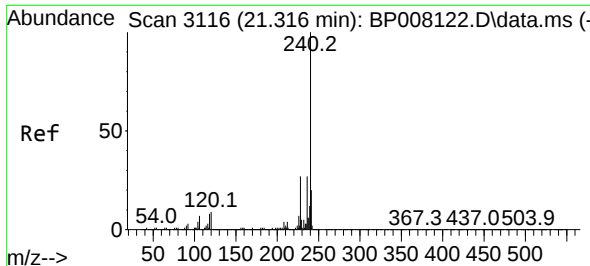
Tgt Ion:188 Resp: 337260  
Ion Ratio Lower Upper  
188 100  
94 8.5 7.2 10.8  
80 10.0 8.2 12.4



#75  
Fluoranthene  
Concen: 3.848 ng  
RT: 19.204 min Scan# 2757  
Delta R.T. 0.000 min  
Lab File: BP008361.D  
Acq: 11 Dec 2021 02:45

Tgt Ion:202 Resp: 92301  
Ion Ratio Lower Upper  
202 100  
101 14.6 0.0 29.8  
203 18.6 0.0 37.7

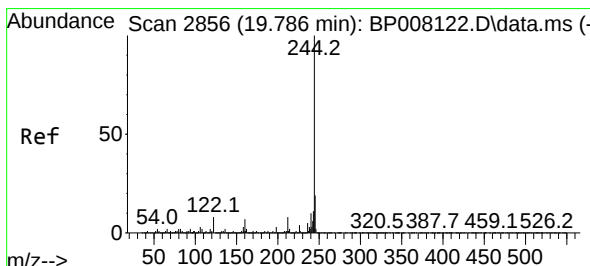
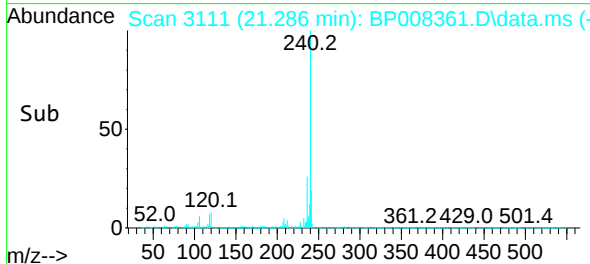
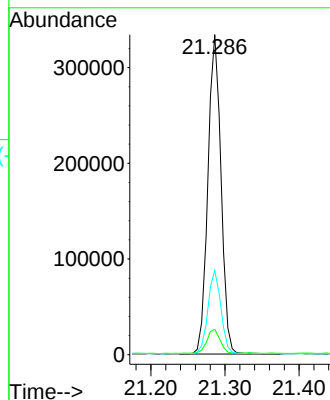
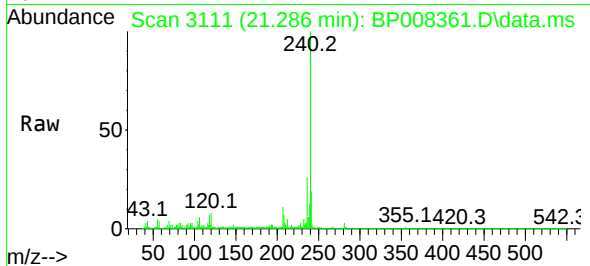




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.286 min Scan# 3116  
Delta R.T. 0.000 min  
Lab File: BP008361.D  
Acq: 11 Dec 2021 02:45

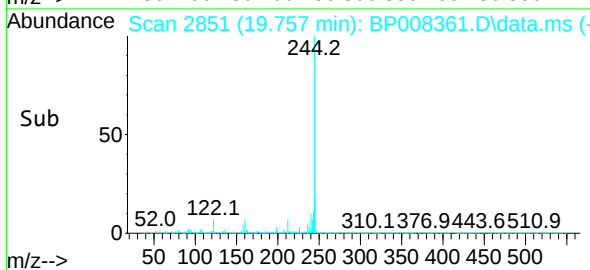
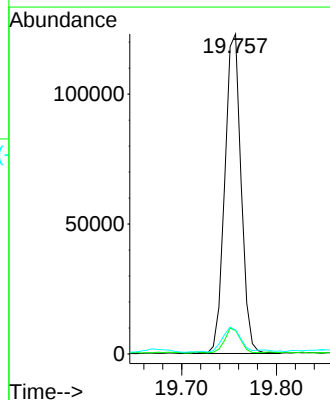
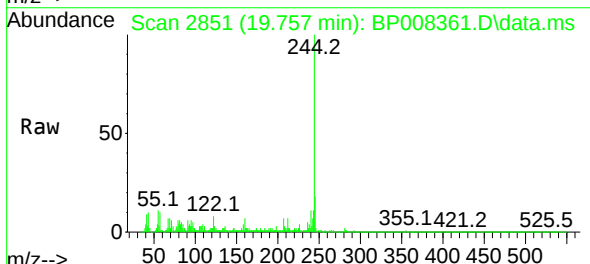
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BNA\_P  
ClientSampleId :  
HD-02-120821

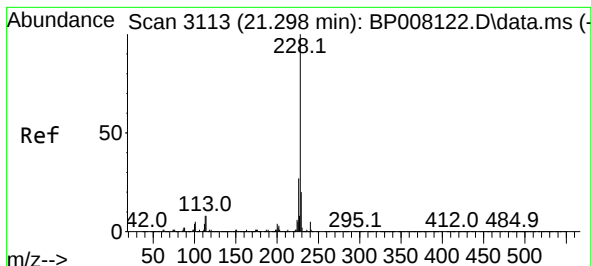
Tgt Ion:240 Resp: 410005  
Ion Ratio Lower Upper  
240 100  
120 7.9 7.3 10.9  
236 26.3 21.4 32.2



#79  
Terphenyl-d14  
Concen: 7.526 ng  
RT: 19.757 min Scan# 2851  
Delta R.T. 0.000 min  
Lab File: BP008361.D  
Acq: 11 Dec 2021 02:45

Tgt Ion:244 Resp: 147638  
Ion Ratio Lower Upper  
244 100  
212 7.4 6.0 9.0  
122 7.5 6.6 9.8





#81

Benzo(a)anthracene

Concen: 2.224 ng

RT: 21.269 min Scan# 3117

Delta R.T. -0.006 min

Lab File: BP008361.D

Acq: 11 Dec 2021 02:45

Instrument :

BNA\_P

ClientSampleId :

HD-02-120821

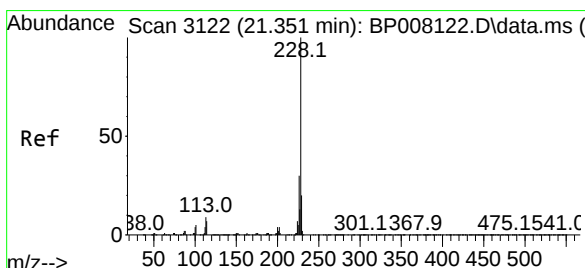
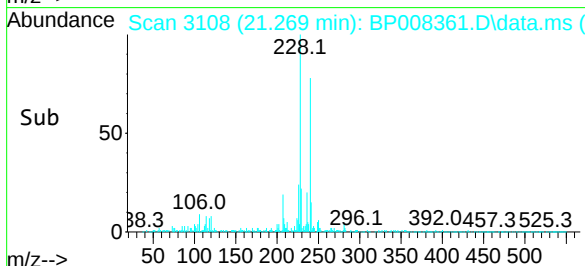
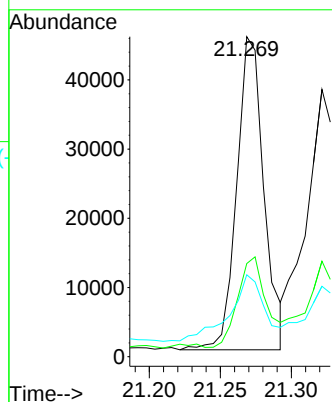
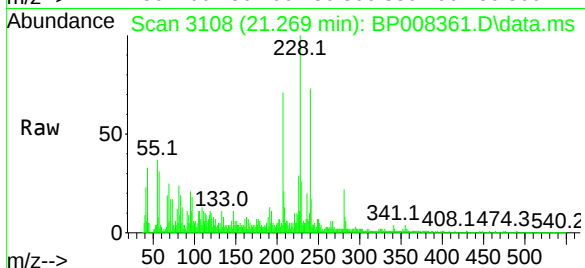
Tgt Ion:228 Resp: 60424

Ion Ratio Lower Upper

228 100

226 29.1 21.9 32.9

229 25.6 15.9 23.9#



#83

Chrysene

Concen: 2.167 ng

RT: 21.321 min Scan# 3117

Delta R.T. -0.006 min

Lab File: BP008361.D

Acq: 11 Dec 2021 02:45

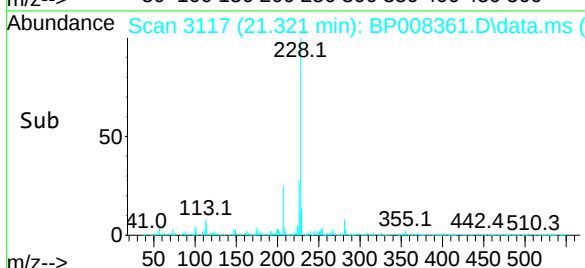
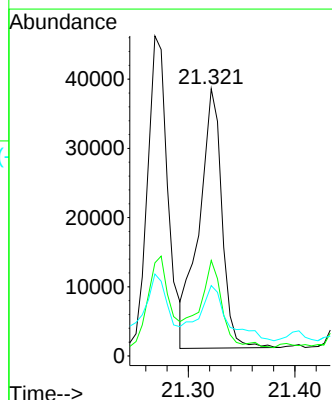
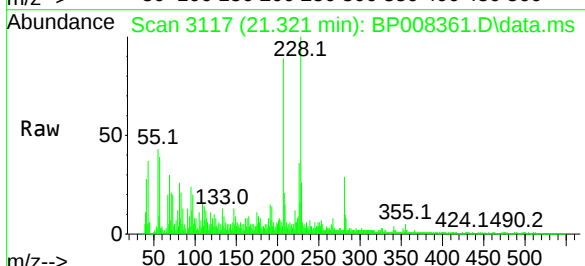
Tgt Ion:228 Resp: 56041

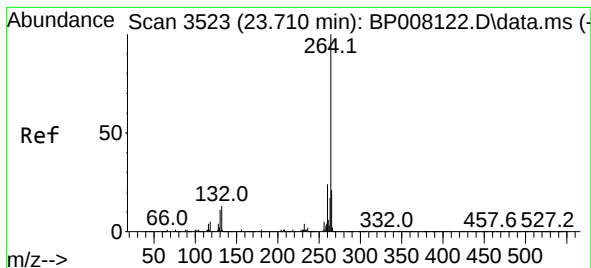
Ion Ratio Lower Upper

228 100

226 35.7 24.0 36.0

229 26.3 15.8 23.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.668 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP008361.D

Acq: 11 Dec 2021 02:45

Instrument :

BNA\_P

ClientSampleId :

HD-02-120821

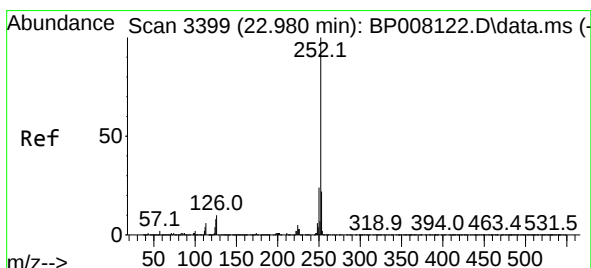
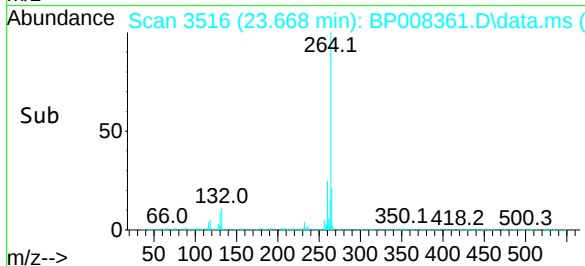
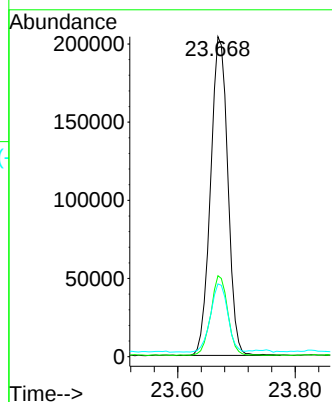
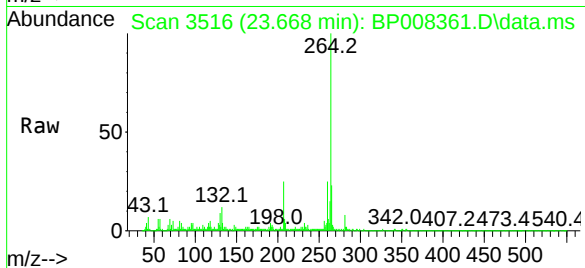
Tgt Ion:264 Resp: 415034

Ion Ratio Lower Upper

264 100

260 25.3 19.4 29.2

265 22.8 17.6 26.4



#88

Benzo(b)fluoranthene

Concen: 3.167 ng

RT: 22.951 min Scan# 3394

Delta R.T. 0.006 min

Lab File: BP008361.D

Acq: 11 Dec 2021 02:45

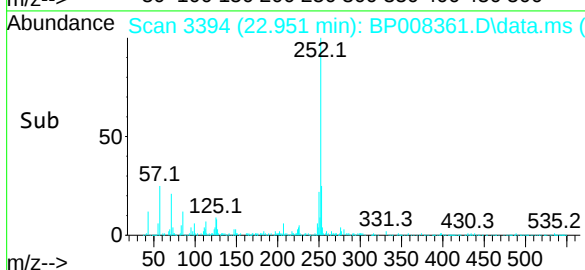
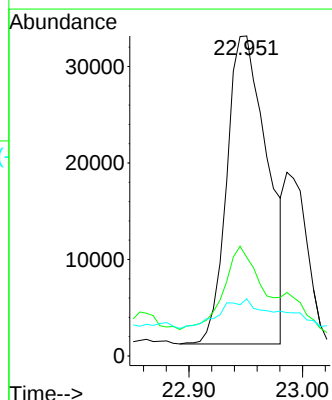
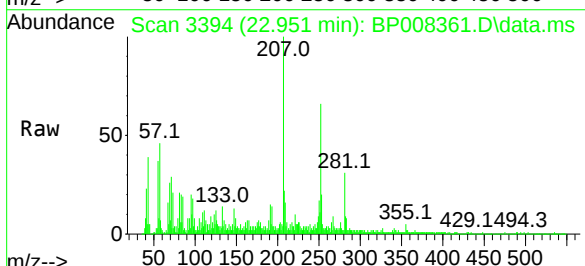
Tgt Ion:252 Resp: 79230

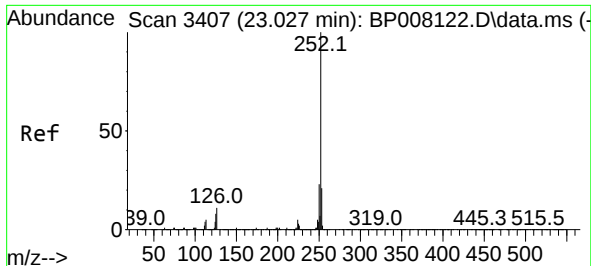
Ion Ratio Lower Upper

252 100

253 30.8 17.7 26.5#

125 17.8 6.2 9.4#

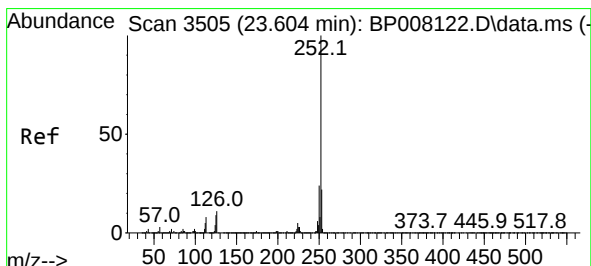
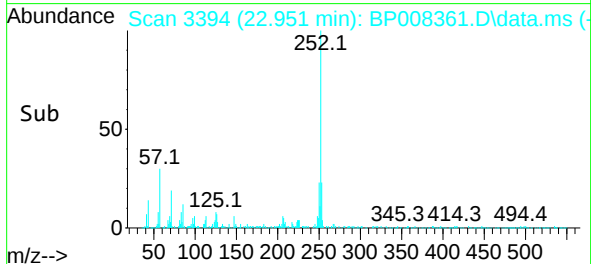
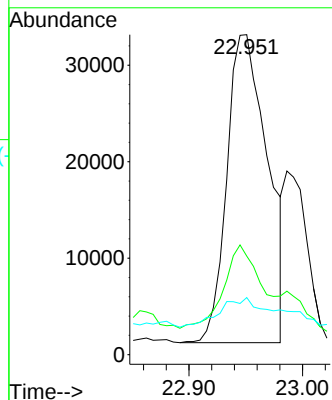
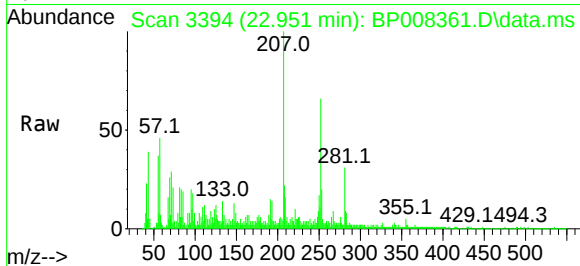




#89  
Benzo(k)fluoranthene  
Concen: 3.235 ng  
RT: 22.951 min Scan# 31  
Delta R.T. -0.047 min  
Lab File: BP008361.D  
Acq: 11 Dec 2021 02:45

Instrument :  
BNA\_P  
ClientSampleId :  
HD-02-120821

Tgt Ion:252 Resp: 79230  
Ion Ratio Lower Upper  
252 100  
253 30.8 17.3 25.9#  
125 17.8 6.5 9.7#



#90  
Benzo(a)pyrene  
Concen: 2.882 ng  
RT: 23.568 min Scan# 3499  
Delta R.T. 0.000 min  
Lab File: BP008361.D  
Acq: 11 Dec 2021 02:45

Tgt Ion:252 Resp: 61630  
Ion Ratio Lower Upper  
252 100  
253 27.7 17.6 26.4#  
125 18.3 7.4 11.0#

