

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110321\  
 Data File : BP007832.D  
 Acq On : 03 Nov 2021 20:27  
 Operator : CG/JU  
 Sample : M4395-07  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Nov 04 07:31:55 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP110221.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 02 19:18:55 2021  
 Response via : Initial Calibration

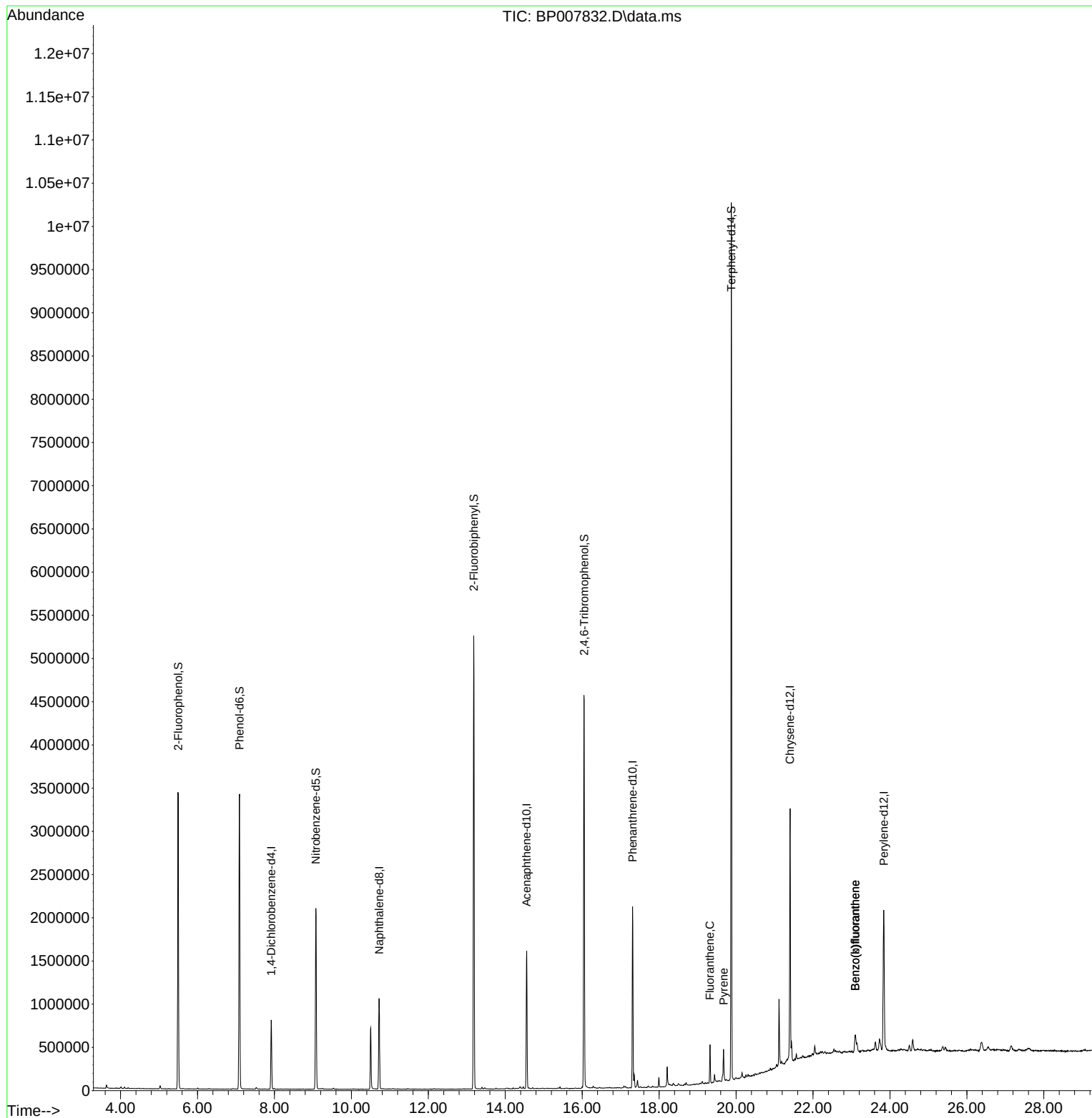
| Compound                    | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-----------|-------|----------|
| -----                       |        |      |          |           |       |          |
| Internal Standards          |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.916  | 152  | 215125   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.722 | 136  | 879698   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.557 | 164  | 565595   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.310 | 188  | 1229006  | 20.000    | ng    | -0.01    |
| 76) Chrysene-d12            | 21.404 | 240  | 1377722  | 20.000    | ng    | -0.01    |
| 86) Perylene-d12            | 23.839 | 264  | 1271091  | 20.000    | ng    | -0.01    |
|                             |        |      |          |           |       |          |
| System Monitoring Compounds |        |      |          |           |       |          |
| 5) 2-Fluorophenol           | 5.499  | 112  | 1559404  | 122.935   | ng    | 0.00     |
| 7) Phenol-d6                | 7.093  | 99   | 2004394  | 109.173   | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.075  | 82   | 1220485  | 74.527    | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.051 | 330  | 906922   | 112.356   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.181 | 172  | 2727209  | 70.219    | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.875 | 244  | 4591277  | 67.860    | ng    | 0.00     |
|                             |        |      |          |           |       |          |
| Target Compounds            |        |      |          |           |       | Qvalue   |
| 2) 1,4-Dioxane              | 3.393  | 88   | 227      | Below Cal | #     | 1        |
| 75) Fluoranthene            | 19.322 | 202  | 252851   | 3.102     | ng    | 98       |
| 78) Pyrene                  | 19.675 | 202  | 217232   | 2.571     | ng    | 100      |
| 88) Benzo(b)fluoranthene    | 23.098 | 252  | 175807   | 2.346     | ng    | 97       |
| 89) Benzo(k)fluoranthene    | 23.098 | 252  | 175807   | 2.364     | ng    | 97       |
| -----                       |        |      |          |           |       |          |

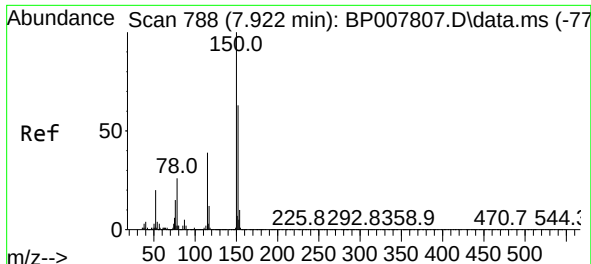
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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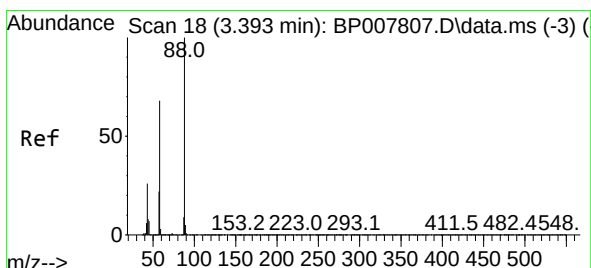
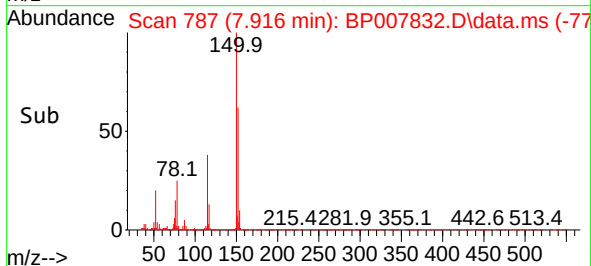
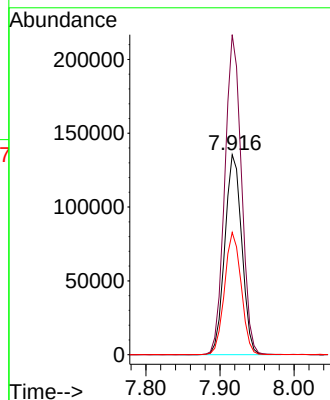
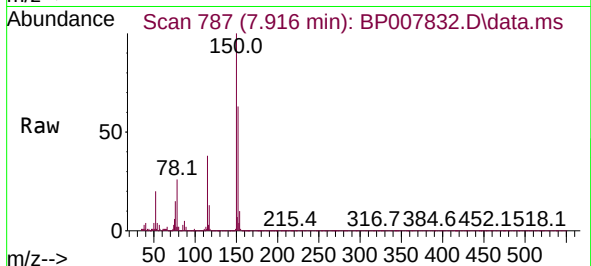




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.916 min Scan# 7  
 Delta R.T. -0.006 min  
 Lab File: BP007832.D  
 Acq: 03 Nov 2021 20:27

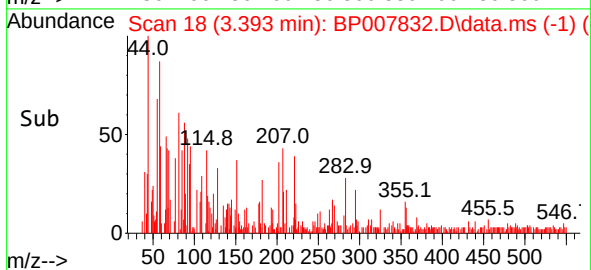
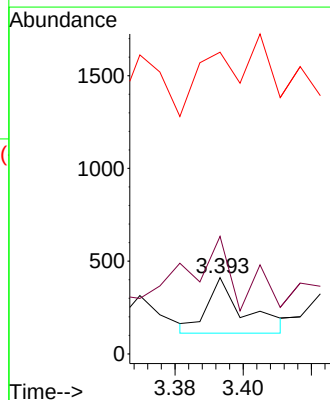
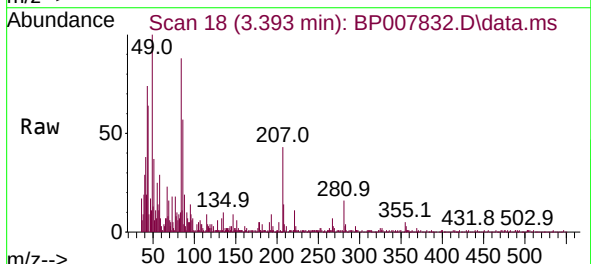
Instrument :  
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 ClientSampleId :

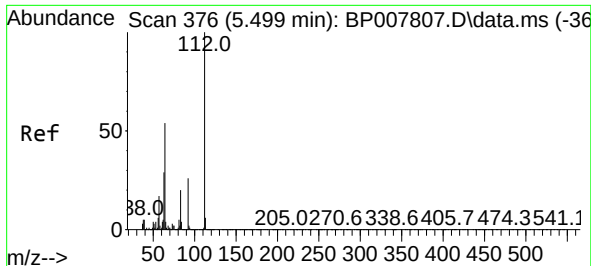
Tgt Ion:152 Resp: 215125  
 Ion Ratio Lower Upper  
 152 100  
 150 160.0 124.1 186.1  
 115 61.1 48.1 72.1



#2  
 1,4-Dioxane  
 Concen: Below Cal  
 RT: 3.393 min Scan# 18  
 Delta R.T. 0.000 min  
 Lab File: BP007832.D  
 Acq: 03 Nov 2021 20:27

Tgt Ion: 88 Resp: 227  
 Ion Ratio Lower Upper  
 88 100  
 58 234.4 58.1 87.1#  
 43 126.9 22.2 33.4#

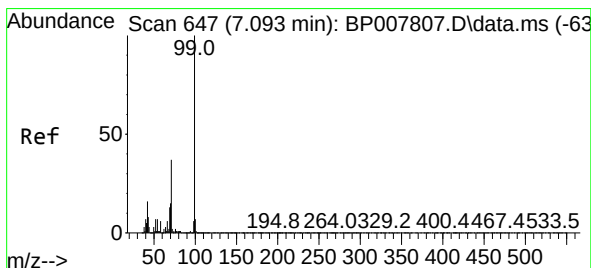
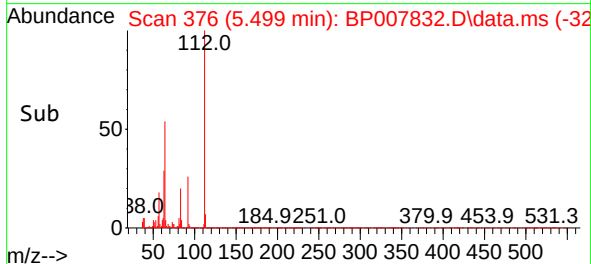
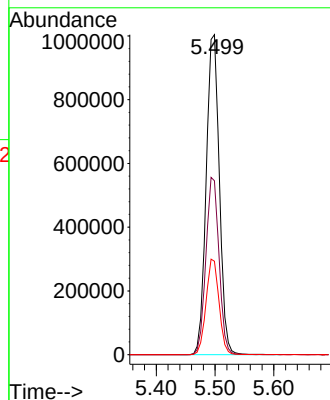
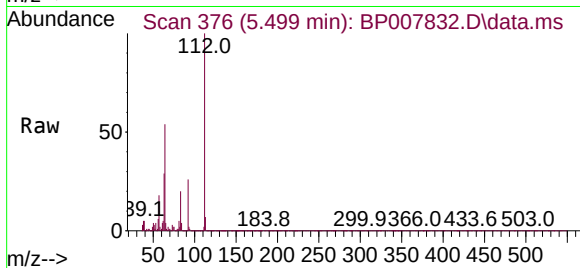




#5  
2-Fluorophenol  
Concen: 122.935 ng  
RT: 5.499 min Scan# 376  
Delta R.T. 0.000 min  
Lab File: BP007832.D  
Acq: 03 Nov 2021 20:27

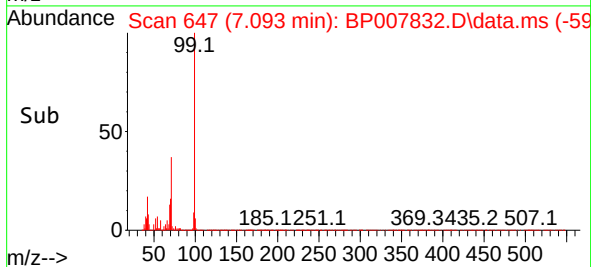
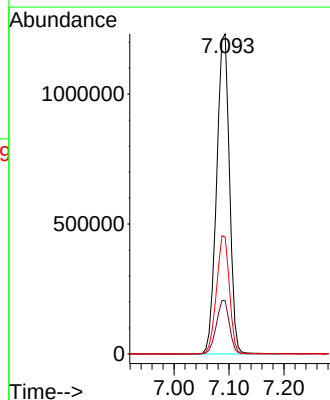
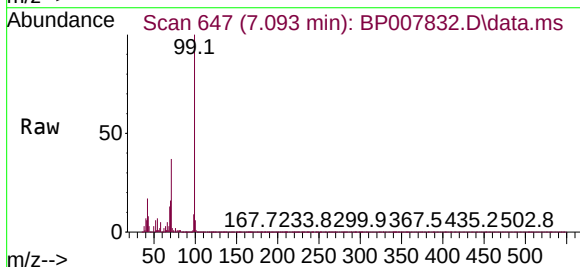
Instrument :  
BNA\_P  
ClientSampleId :

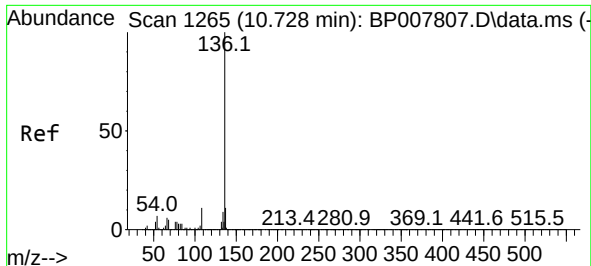
Tgt Ion:112 Resp: 1559404  
Ion Ratio Lower Upper  
112 100  
64 54.3 46.6 70.0  
63 29.2 25.0 37.6



#7  
Phenol-d6  
Concen: 109.173 ng  
RT: 7.093 min Scan# 647  
Delta R.T. 0.000 min  
Lab File: BP007832.D  
Acq: 03 Nov 2021 20:27

Tgt Ion: 99 Resp: 2004394  
Ion Ratio Lower Upper  
99 100  
42 16.7 14.9 22.3  
71 36.5 29.2 43.8

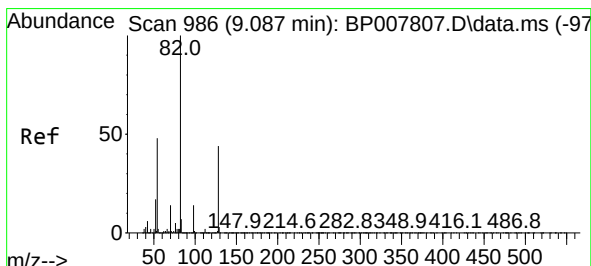
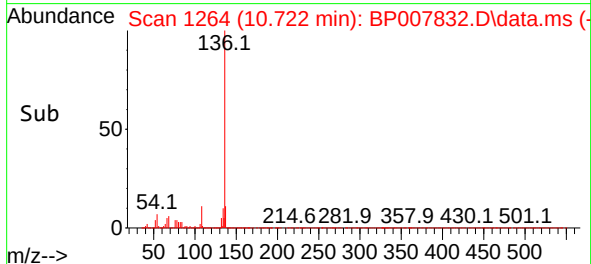
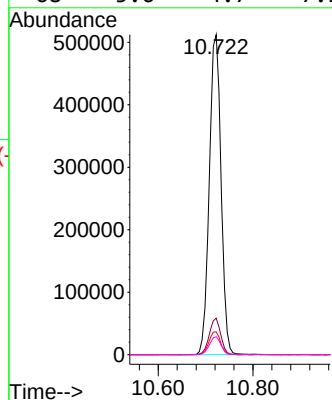
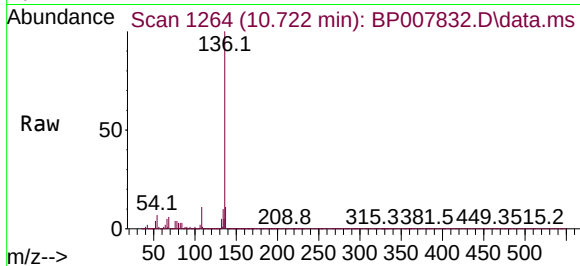




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.722 min Scan# 1265  
Delta R.T. -0.006 min  
Lab File: BP007832.D  
Acq: 03 Nov 2021 20:27

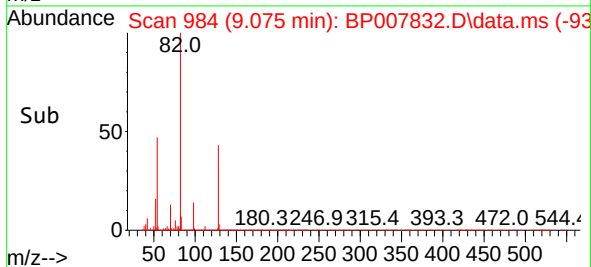
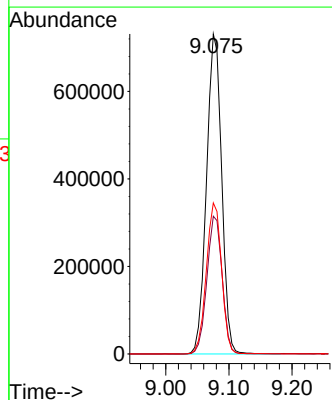
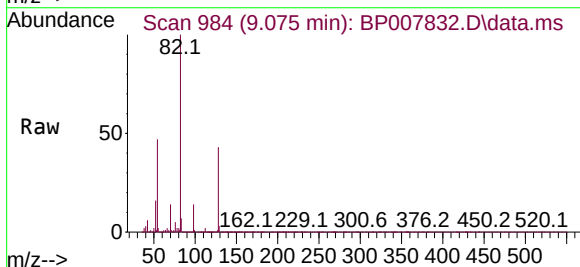
Instrument :  
BNA\_P  
ClientSampleId :

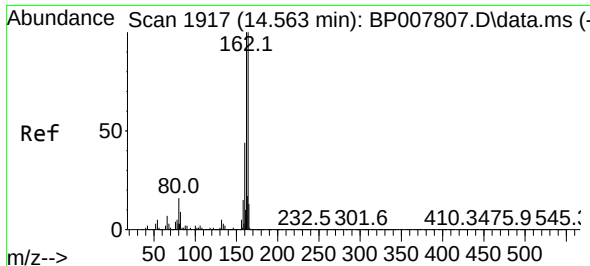
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 879698 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.4  | 8.6   | 13.0   |
| 54       | 7.2   | 6.2   | 9.4    |
| 68       | 5.6   | 4.7   | 7.1    |



#23  
Nitrobenzene-d5  
Concen: 74.527 ng  
RT: 9.075 min Scan# 984  
Delta R.T. -0.012 min  
Lab File: BP007832.D  
Acq: 03 Nov 2021 20:27

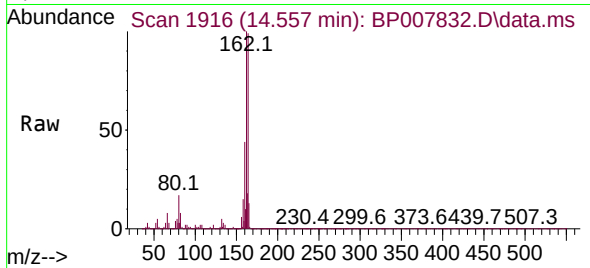
|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1220485 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 43.0  | 32.6  | 48.8    |
| 54       | 47.2  | 40.4  | 60.6    |



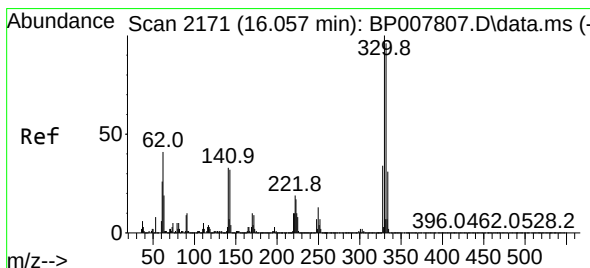
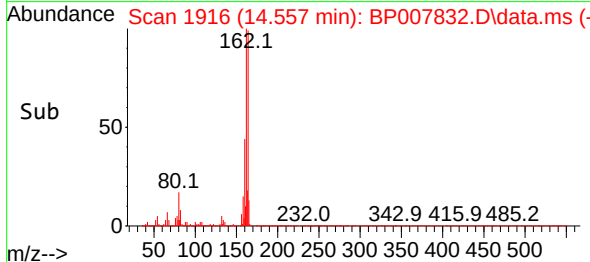
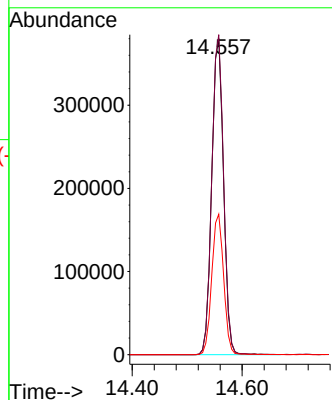


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.557 min Scan# 1916  
Delta R.T. -0.006 min  
Lab File: BP007832.D  
Acq: 03 Nov 2021 20:27

Instrument :  
BNA\_P  
ClientSampleId :

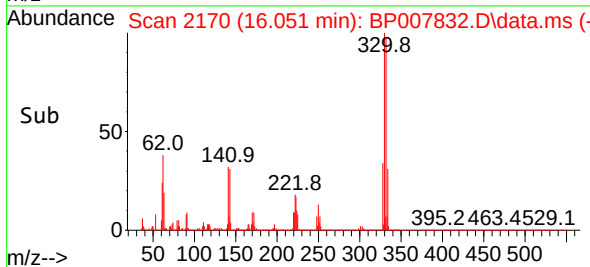
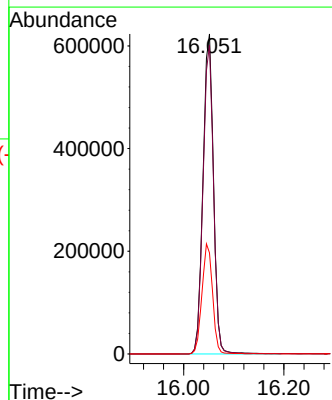
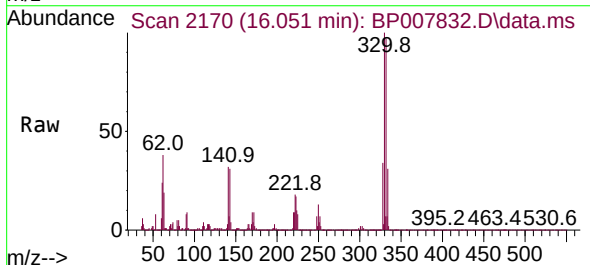


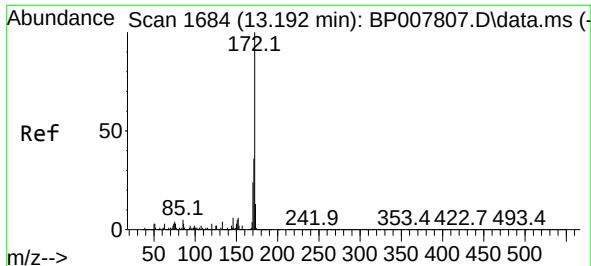
Tgt Ion:164 Resp: 565595  
Ion Ratio Lower Upper  
164 100  
162 101.2 81.1 121.7  
160 44.4 36.0 54.0



#42  
2,4,6-Tribromophenol  
Concen: 112.356 ng  
RT: 16.051 min Scan# 2170  
Delta R.T. -0.006 min  
Lab File: BP007832.D  
Acq: 03 Nov 2021 20:27

Tgt Ion:330 Resp: 906922  
Ion Ratio Lower Upper  
330 100  
332 96.4 78.9 118.3  
141 34.7 30.7 46.1

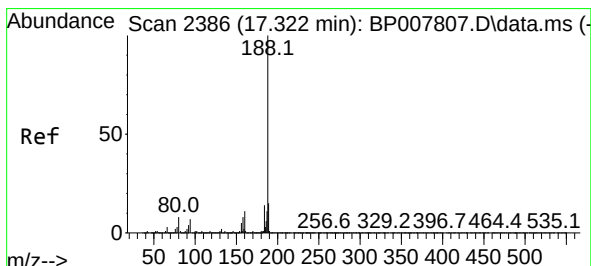
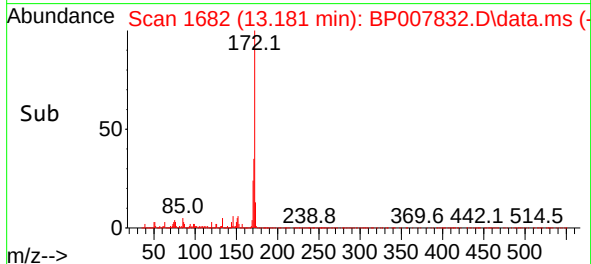
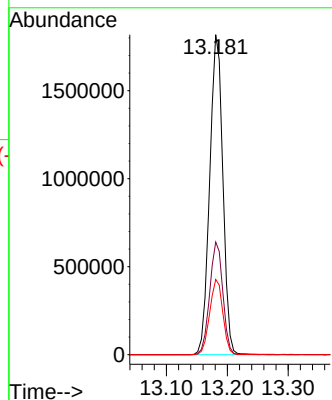
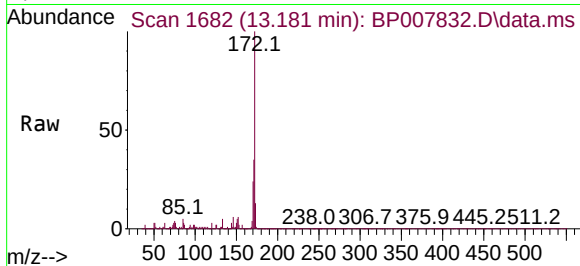




#45  
2-Fluorobiphenyl  
Concen: 70.219 ng  
RT: 13.181 min Scan# 1  
Delta R.T. -0.012 min  
Lab File: BP007832.D  
Acq: 03 Nov 2021 20:27

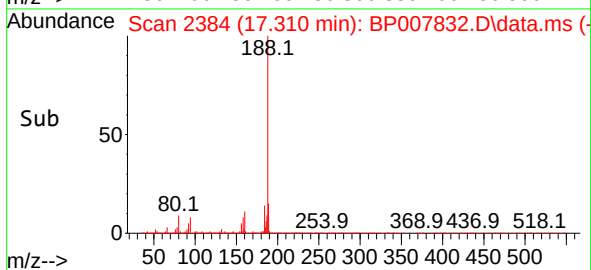
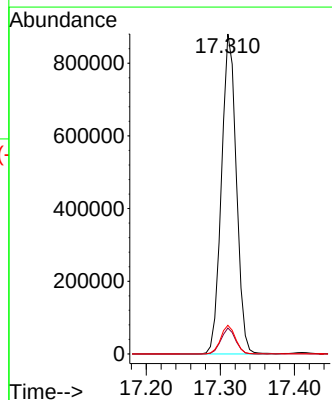
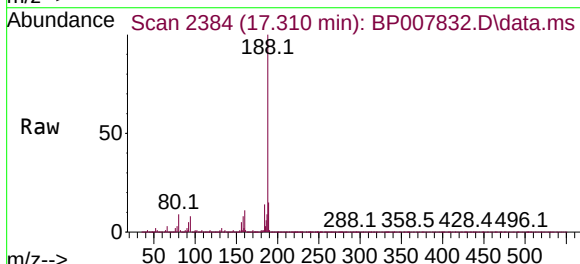
Instrument :  
BNA\_P  
ClientSampleId :

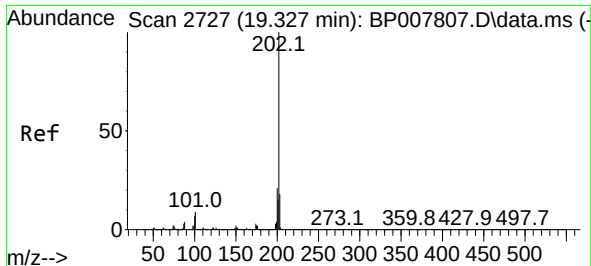
Tgt Ion:172 Resp: 2727209  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.2 42.2  
170 23.5 19.0 28.4



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.310 min Scan# 2384  
Delta R.T. -0.012 min  
Lab File: BP007832.D  
Acq: 03 Nov 2021 20:27

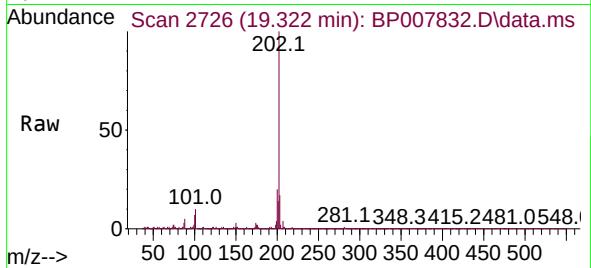
Tgt Ion:188 Resp: 1229006  
Ion Ratio Lower Upper  
188 100  
94 8.1 7.1 10.7  
80 9.0 7.8 11.6



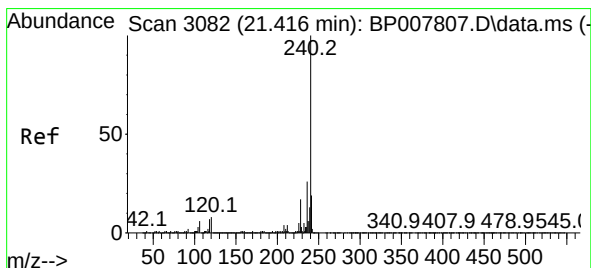
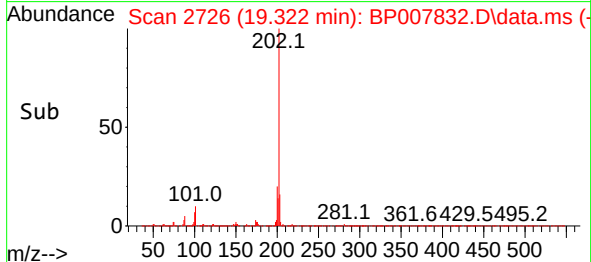
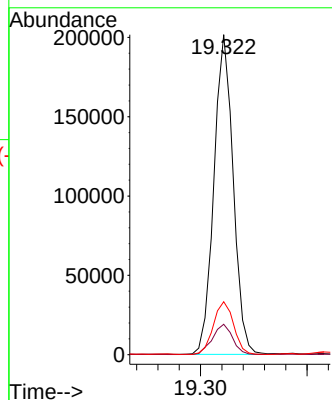


#75  
Fluoranthene  
Concen: 3.102 ng  
RT: 19.322 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP007832.D  
Acq: 03 Nov 2021 20:27

Instrument :  
BNA\_P  
ClientSampleId :

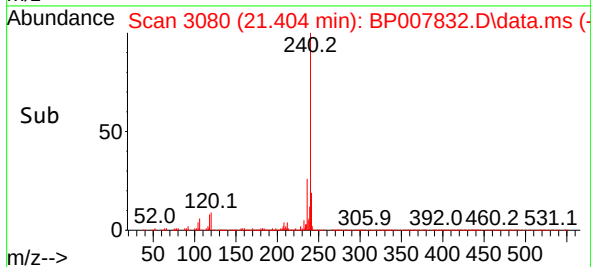
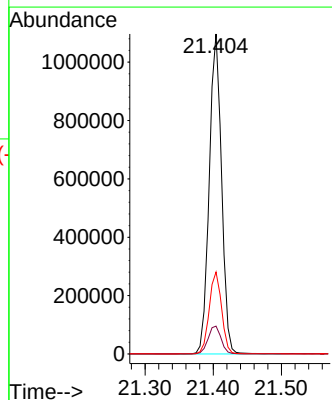
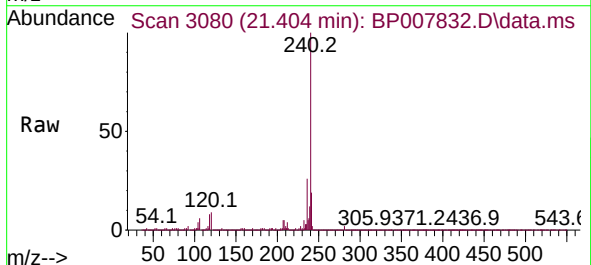


Tgt Ion:202 Resp: 252851  
Ion Ratio Lower Upper  
202 100  
101 9.5 0.0 30.4  
203 16.5 0.0 37.6

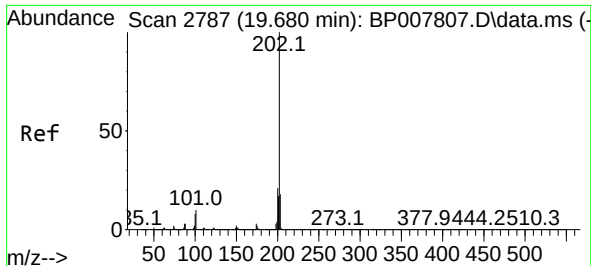


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.404 min Scan# 3080  
Delta R.T. -0.012 min  
Lab File: BP007832.D  
Acq: 03 Nov 2021 20:27

Tgt Ion:240 Resp: 1377722  
Ion Ratio Lower Upper  
240 100  
120 8.7 7.8 11.8  
236 25.6 20.6 30.8



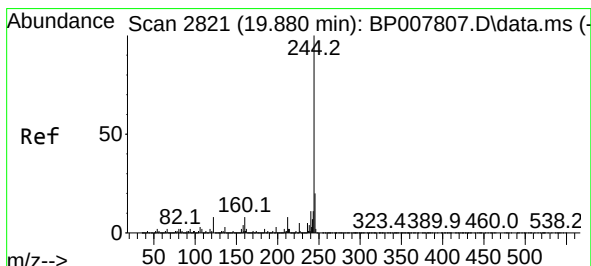
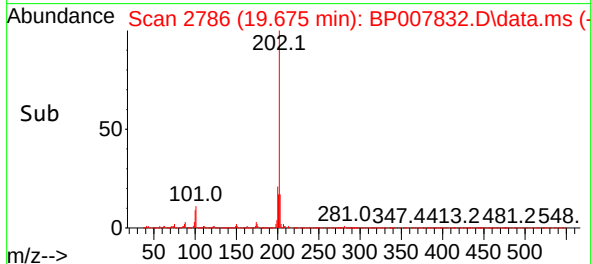
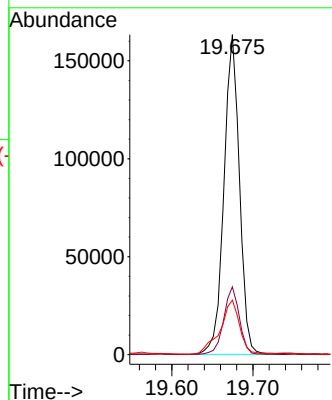
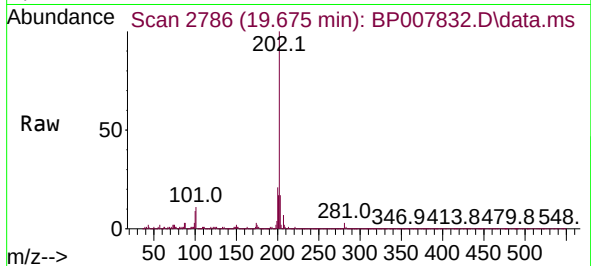




#78  
 Pyrene  
 Concen: 2.571 ng  
 RT: 19.675 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BP007832.D  
 Acq: 03 Nov 2021 20:27

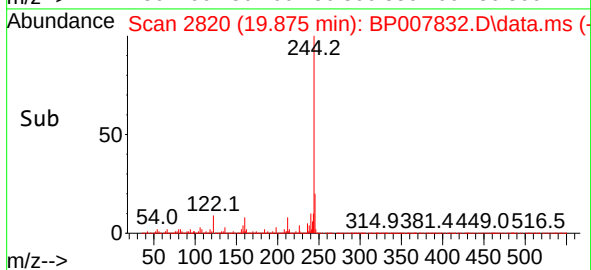
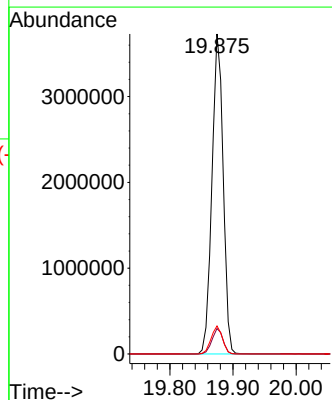
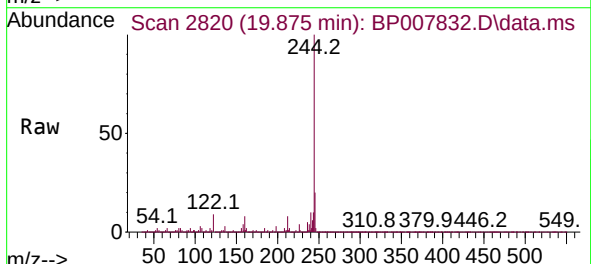
Instrument :  
 BNA\_P  
 ClientSampleId :

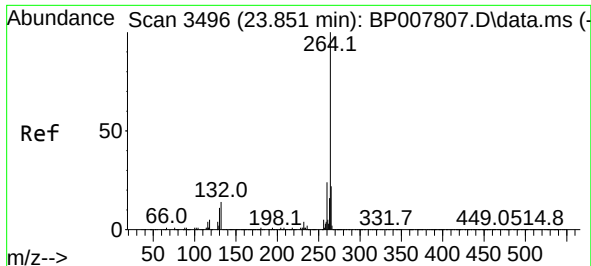
Tgt Ion:202 Resp: 217232  
 Ion Ratio Lower Upper  
 202 100  
 200 21.2 16.9 25.3  
 203 17.1 13.8 20.6



#79  
 Terphenyl-d14  
 Concen: 67.860 ng  
 RT: 19.875 min Scan# 2820  
 Delta R.T. -0.006 min  
 Lab File: BP007832.D  
 Acq: 03 Nov 2021 20:27

Tgt Ion:244 Resp: 4591277  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 6.2 9.2  
 122 8.7 7.8 11.8



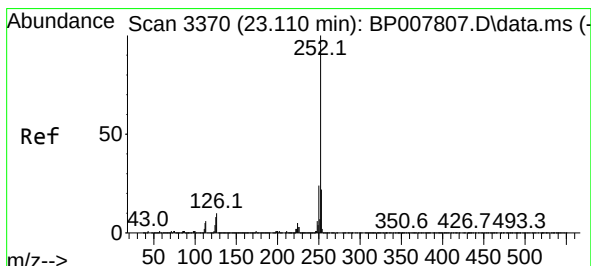
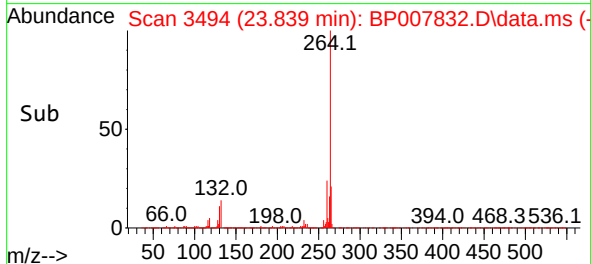
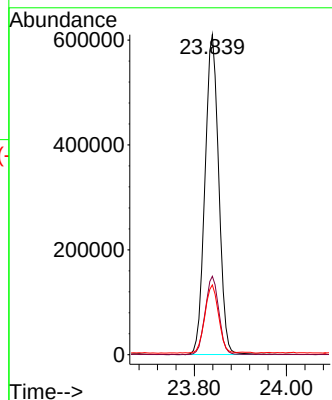
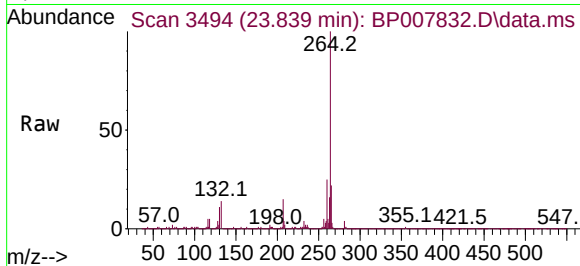


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.839 min Scan# 3496  
Delta R.T. -0.012 min  
Lab File: BP007832.D  
Acq: 03 Nov 2021 20:27

Instrument :  
BNA\_P  
ClientSampleId :

Tgt Ion:264 Resp: 1271091  

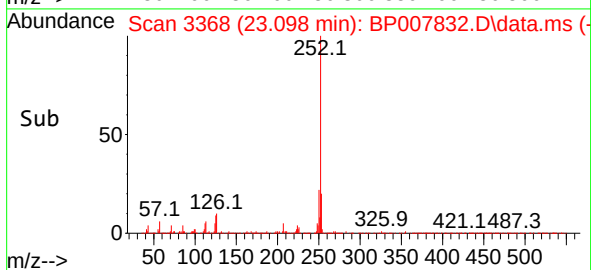
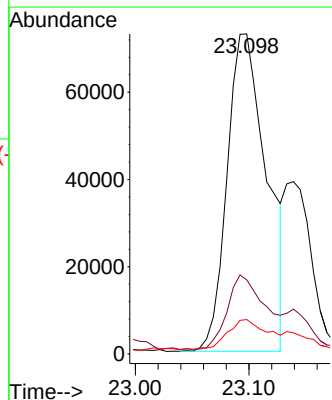
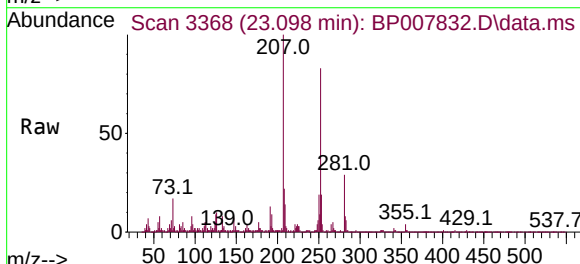
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.5  | 19.1  | 28.7  |
| 265 | 21.8  | 16.7  | 25.1  |

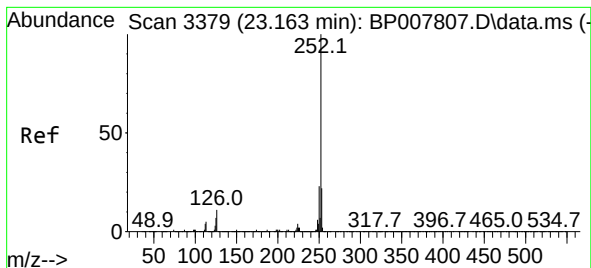


#88  
Benzo(b)fluoranthene  
Concen: 2.346 ng  
RT: 23.098 min Scan# 3368  
Delta R.T. -0.012 min  
Lab File: BP007832.D  
Acq: 03 Nov 2021 20:27

Tgt Ion:252 Resp: 175807  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.2  | 17.4  | 26.2  |
| 125 | 10.7  | 7.4   | 11.0  |





#89

Benzo(k)fluoranthene

Concen: 2.364 ng

RT: 23.098 min Scan# 31

Delta R.T. -0.065 min

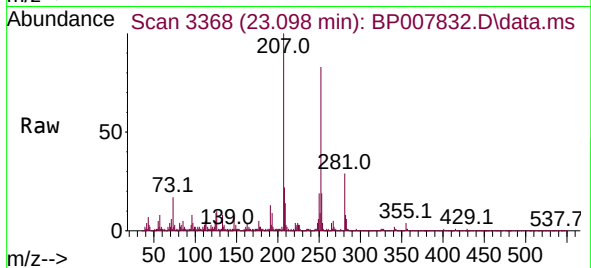
Lab File: BP007832.D

Acq: 03 Nov 2021 20:27

Instrument :

BNA\_P

ClientSampleId :



Tgt Ion:252 Resp: 175807

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

125 10.7 7.4 11.0

