

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121721\  
 Data File : BP008476.D  
 Acq On : 17 Dec 2021 17:53  
 Operator : CG/JU  
 Sample : M5084-02  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C2

Quant Time: Dec 18 06:16:17 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP121421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 14 17:59:47 2021  
 Response via : Initial Calibration

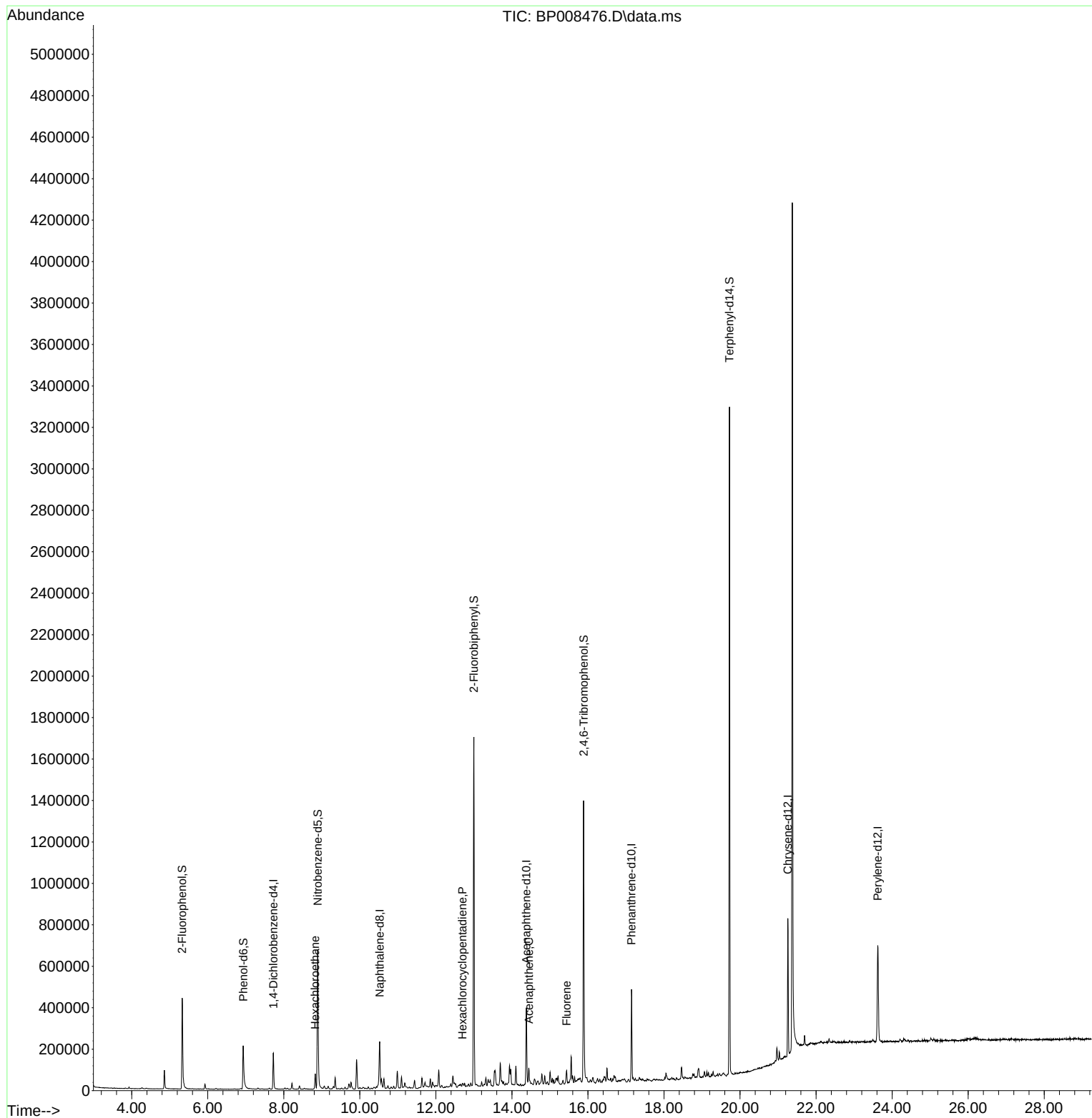
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.728  | 152  | 47489    | 20.000    | ng     | -0.02    |
| 21) Naphthalene-d8            | 10.522 | 136  | 175548   | 20.000    | ng     | -0.02    |
| 39) Acenaphthene-d10          | 14.381 | 164  | 119387   | 20.000    | ng     | -0.02    |
| 64) Phenanthrene-d10          | 17.145 | 188  | 260884   | 20.000    | ng     | -0.02    |
| 76) Chrysene-d12              | 21.257 | 240  | 323269   | 20.000    | ng     | -0.01    |
| 86) Perylene-d12              | 23.621 | 264  | 383899   | 20.000    | ng     | -0.02    |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.328  | 112  | 202439   | 67.321    | ng     | -0.02    |
| 7) Phenol-d6                  | 6.934  | 99   | 152146   | 37.672    | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 8.893  | 82   | 394325   | 95.162    | ng     | -0.02    |
| 42) 2,4,6-Tribromophenol      | 15.886 | 330  | 271358   | 154.665   | ng     | -0.02    |
| 45) 2-Fluorobiphenyl          | 12.998 | 172  | 850305   | 90.538    | ng     | -0.02    |
| 79) Terphenyl-d14             | 19.722 | 244  | 1472020  | 79.249    | ng     | -0.01    |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 2) 1,4-Dioxane                | 3.222  | 88   | 150      | Below Cal | #      | 32       |
| 9) Benzaldehyde               | 6.846  | 77   | 68       | Below Cal | #      | 32       |
| 18) Hexachloroethane          | 8.828  | 117  | 11753    | 8.783     | ng     | # 1      |
| 41) Hexachlorocyclopentadiene | 12.698 | 237  | 11       | 8.660     | ng     | 86       |
| 52) Acenaphthene              | 14.445 | 154  | 24216    | 3.764     | ng     | 99       |
| 58) Fluorene                  | 15.439 | 166  | 25637    | 3.022     | ng     | # 97     |
| -----                         |        |      |          |           |        |          |

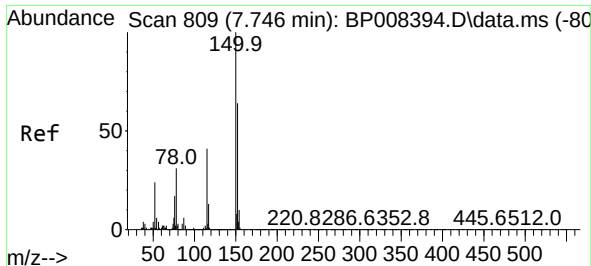
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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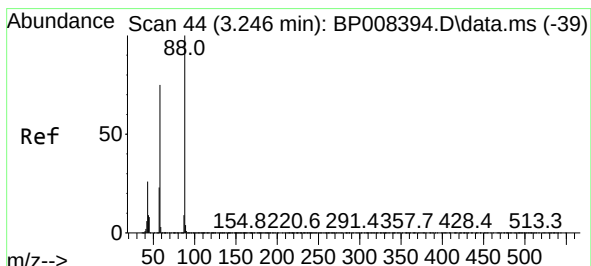
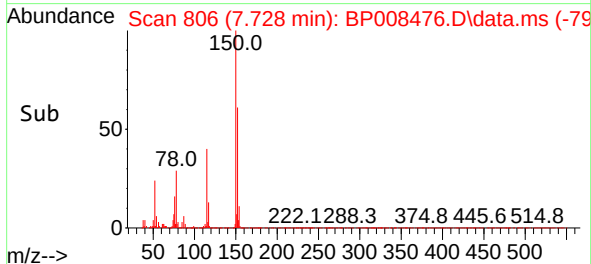
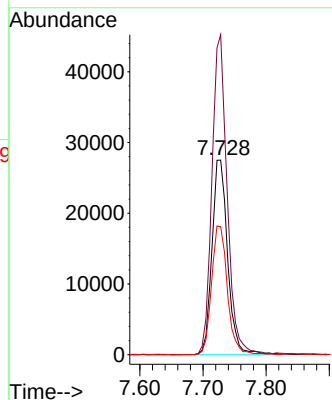
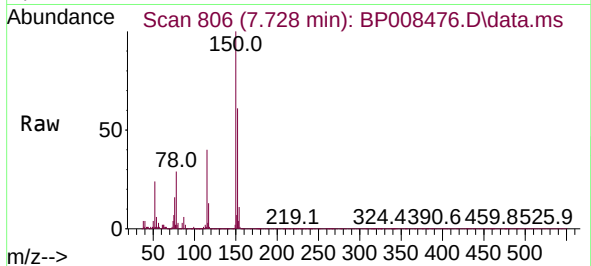




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.728 min Scan# 80  
 Delta R.T. -0.018 min  
 Lab File: BP008476.D  
 Acq: 17 Dec 2021 17:53

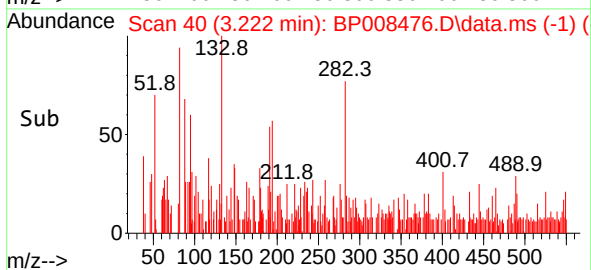
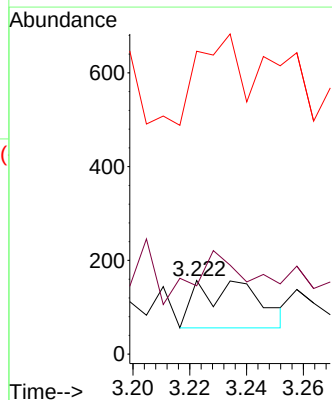
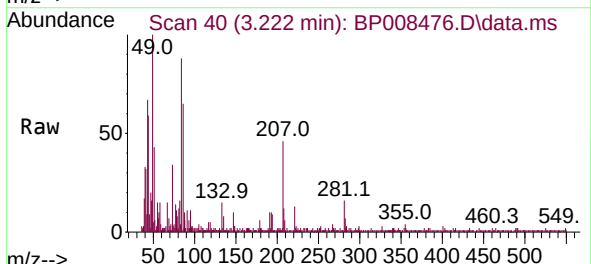
Instrument :  
 BNA\_P  
 ClientSampleId :  
 C2

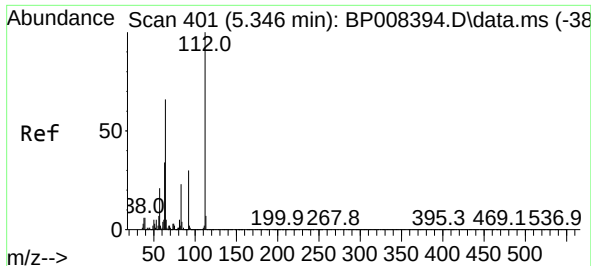
Tgt Ion:152 Resp: 47489  
 Ion Ratio Lower Upper  
 152 100  
 150 164.4 125.7 188.5  
 115 65.8 50.7 76.1



#2  
 1,4-Dioxane  
 Concen: Below Cal  
 RT: 3.222 min Scan# 40  
 Delta R.T. -0.024 min  
 Lab File: BP008476.D  
 Acq: 17 Dec 2021 17:53

Tgt Ion: 88 Resp: 150  
 Ion Ratio Lower Upper  
 88 100  
 58 58.7 63.5 95.3#  
 43 130.0 23.4 35.2#

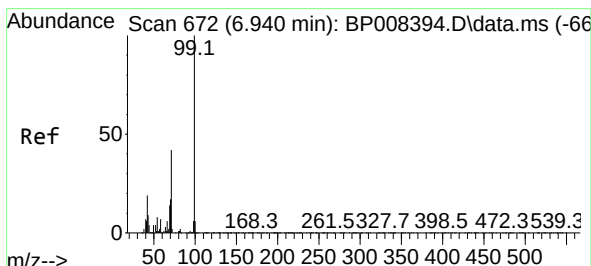
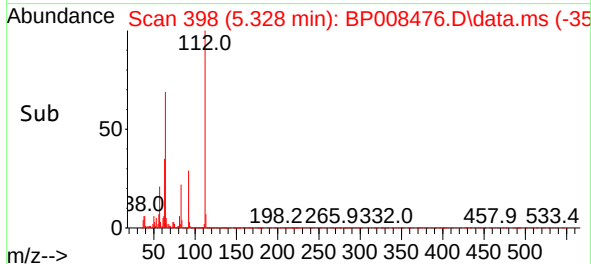
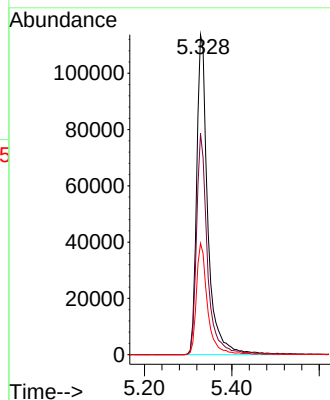
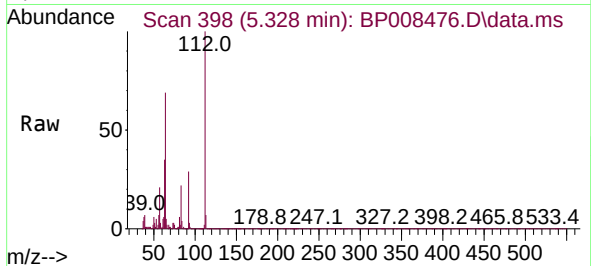




#5  
2-Fluorophenol  
Concen: 67.321 ng  
RT: 5.328 min Scan# 398  
Delta R.T. -0.018 min  
Lab File: BP008476.D  
Acq: 17 Dec 2021 17:53

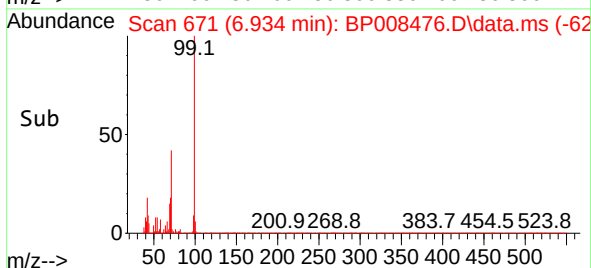
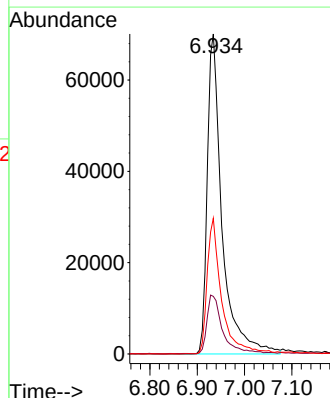
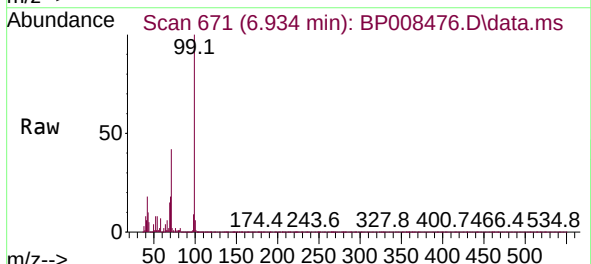
Instrument :  
BNA\_P  
ClientSampleId :  
C2

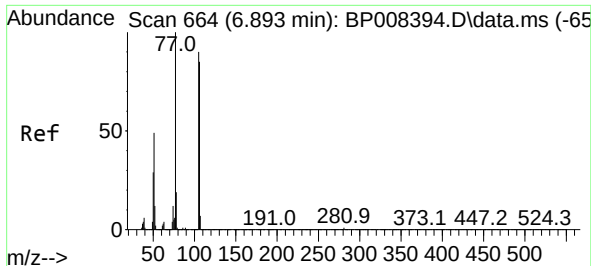
Tgt Ion:112 Resp: 202439  
Ion Ratio Lower Upper  
112 100  
64 69.1 53.4 80.2  
63 34.8 27.8 41.8



#7  
Phenol-d6  
Concen: 37.672 ng  
RT: 6.934 min Scan# 671  
Delta R.T. -0.006 min  
Lab File: BP008476.D  
Acq: 17 Dec 2021 17:53

Tgt Ion: 99 Resp: 152146  
Ion Ratio Lower Upper  
99 100  
42 18.0 14.6 22.0  
71 42.4 31.1 46.7

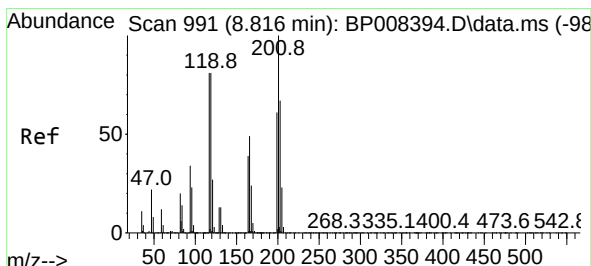
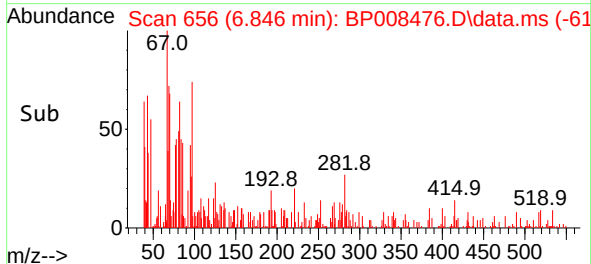
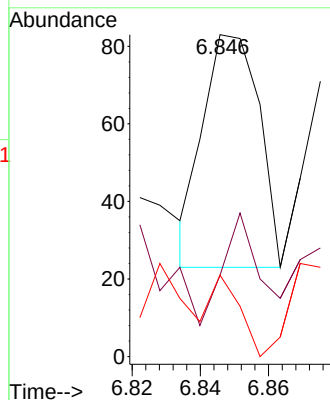
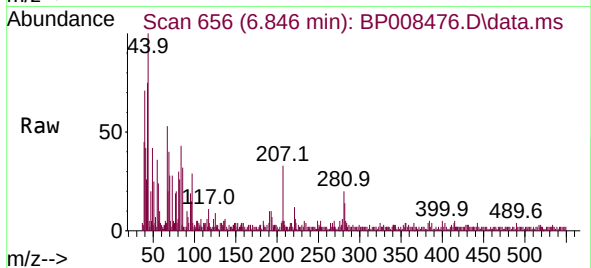




#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.846 min Scan# 61  
Delta R.T. -0.047 min  
Lab File: BP008476.D  
Acq: 17 Dec 2021 17:53

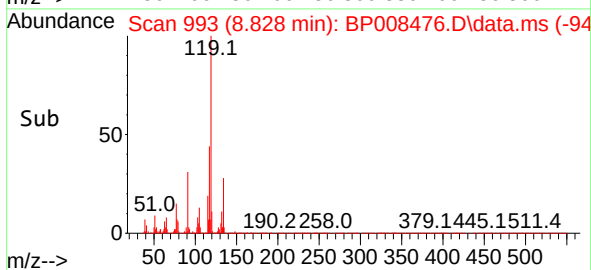
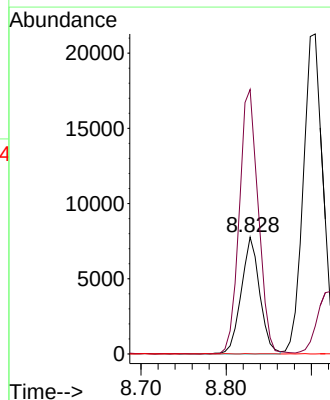
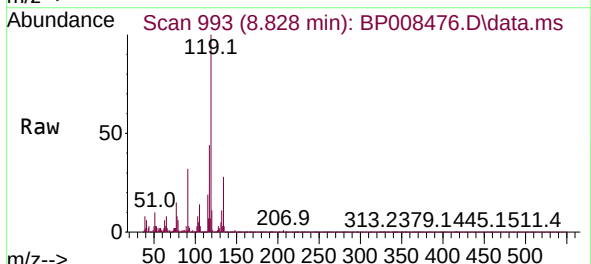
Instrument :  
BNA\_P  
ClientSampleId :  
C2

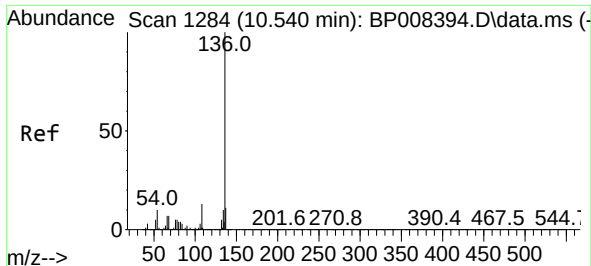
Tgt Ion: 77 Resp: 68  
Ion Ratio Lower Upper  
77 100  
105 25.3 71.8 111.8#  
106 25.3 67.3 107.3#



#18  
Hexachloroethane  
Concen: 8.783 ng  
RT: 8.828 min Scan# 993  
Delta R.T. 0.012 min  
Lab File: BP008476.D  
Acq: 17 Dec 2021 17:53

Tgt Ion: 117 Resp: 11753  
Ion Ratio Lower Upper  
117 100  
119 226.2 74.7 112.1#  
201 0.1 88.6 132.8#

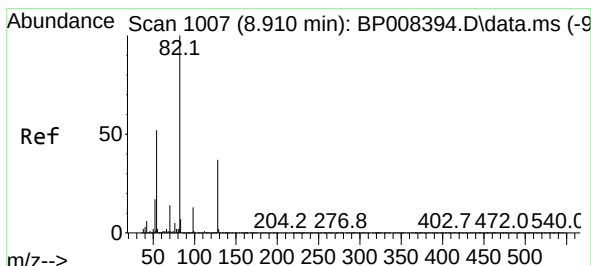
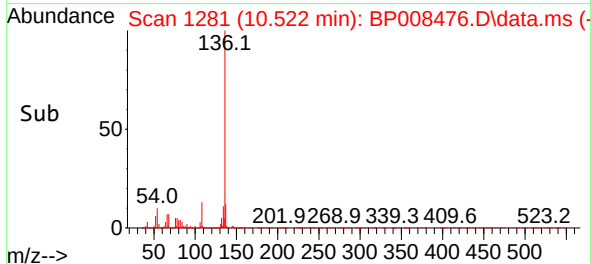
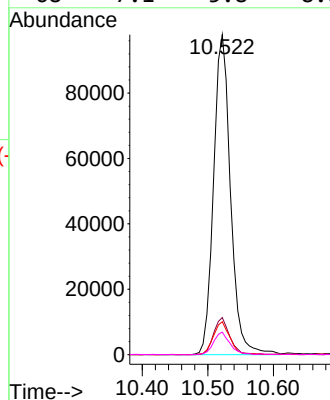
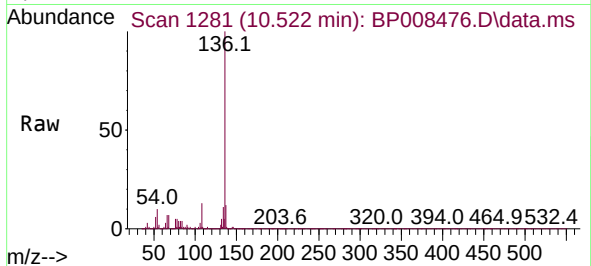




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.522 min Scan# 1004  
Delta R.T. -0.018 min  
Lab File: BP008476.D  
Acq: 17 Dec 2021 17:53

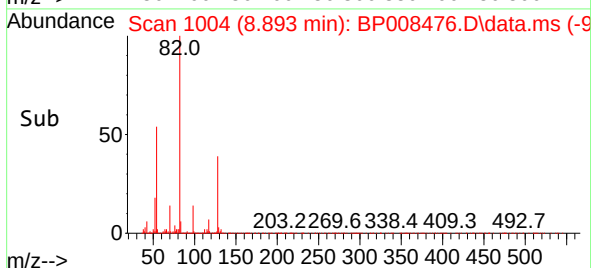
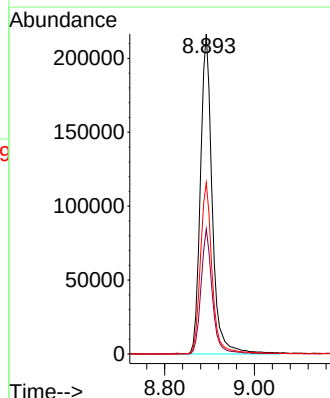
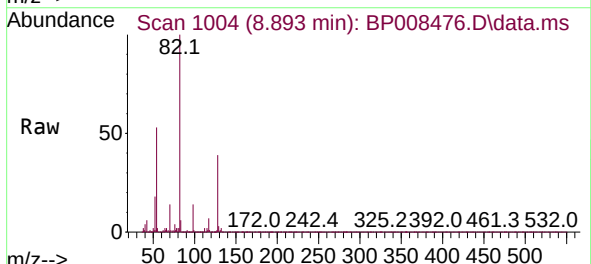
Instrument :  
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ClientSampleId :  
C2

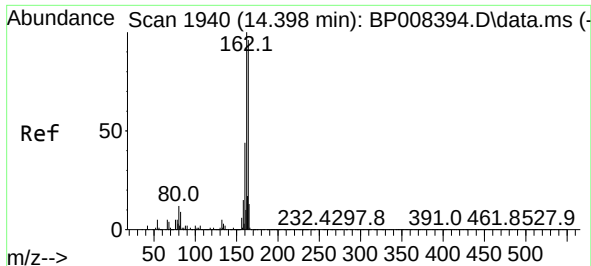
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 175548 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.6  | 9.0   | 13.6   |
| 54       | 10.3  | 8.2   | 12.4   |
| 68       | 7.1   | 5.8   | 8.8    |



#23  
Nitrobenzene-d5  
Concen: 95.162 ng  
RT: 8.893 min Scan# 1004  
Delta R.T. -0.018 min  
Lab File: BP008476.D  
Acq: 17 Dec 2021 17:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 394325 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 39.0  | 29.6  | 44.4   |
| 54       | 53.5  | 42.7  | 64.1   |

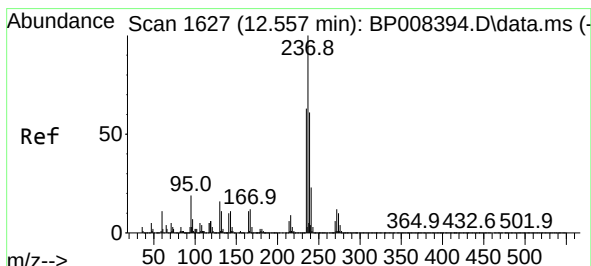
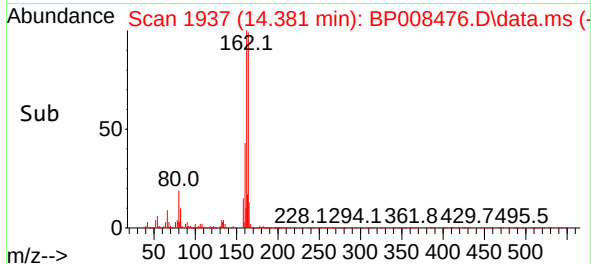
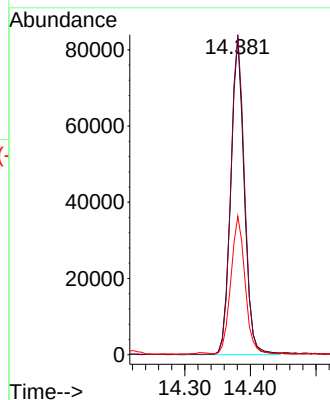
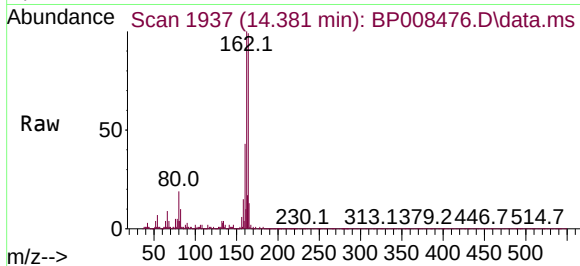




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.381 min Scan# 1940  
Delta R.T. -0.017 min  
Lab File: BP008476.D  
Acq: 17 Dec 2021 17:53

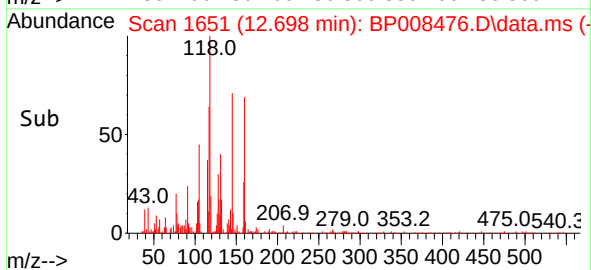
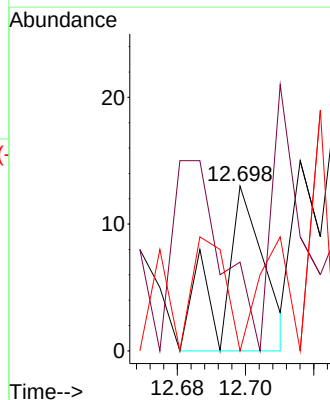
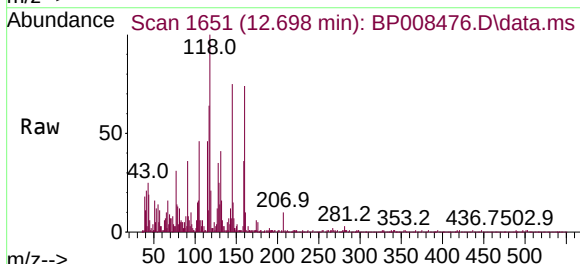
Instrument :  
BNA\_P  
ClientSampleId :  
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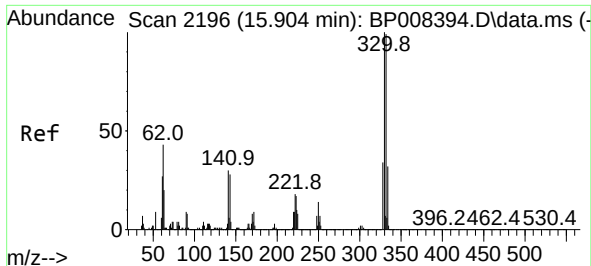
Tgt Ion:164 Resp: 119387  
Ion Ratio Lower Upper  
164 100  
162 100.9 81.9 122.9  
160 43.7 35.4 53.0



#41  
Hexachlorocyclopentadiene  
Concen: 8.660 ng  
RT: 12.698 min Scan# 1651  
Delta R.T. 0.141 min  
Lab File: BP008476.D  
Acq: 17 Dec 2021 17:53

Tgt Ion:237 Resp: 11  
Ion Ratio Lower Upper  
237 100  
235 53.8 42.3 82.3  
272 0.0 0.0 32.2

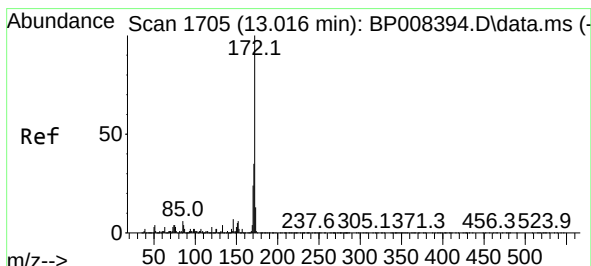
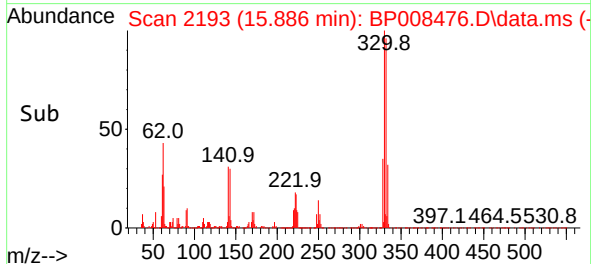
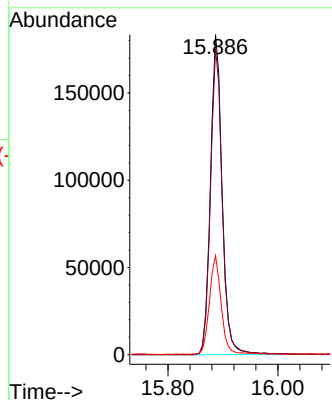
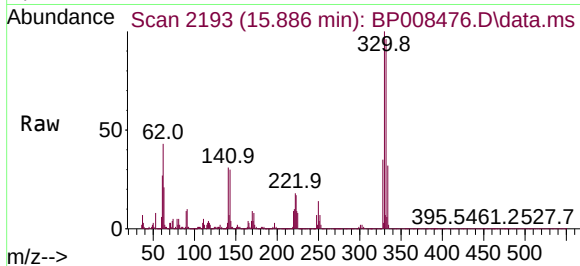




#42  
2,4,6-Tribromophenol  
Concen: 154.665 ng  
RT: 15.886 min Scan# 2196  
Delta R.T. -0.018 min  
Lab File: BP008476.D  
Acq: 17 Dec 2021 17:53

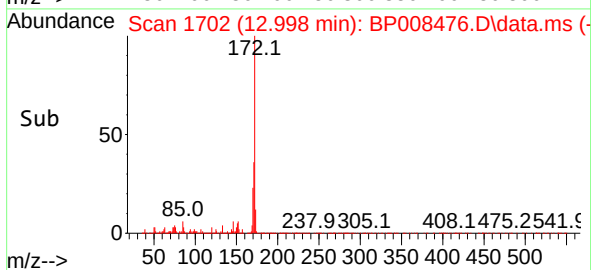
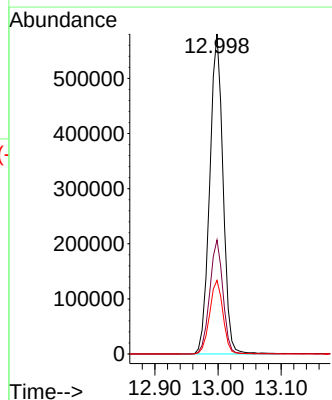
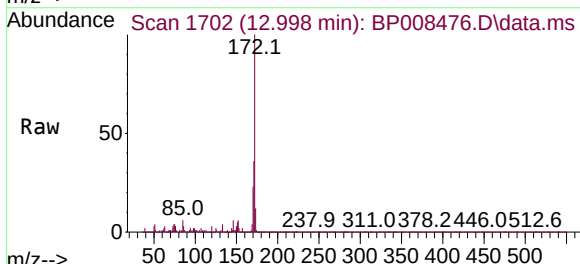
Instrument :  
BNA\_P  
ClientSampleId :  
C2

Tgt Ion: 330 Resp: 271358  
Ion Ratio Lower Upper  
330 100  
332 95.7 77.0 115.4  
141 30.8 28.4 42.6

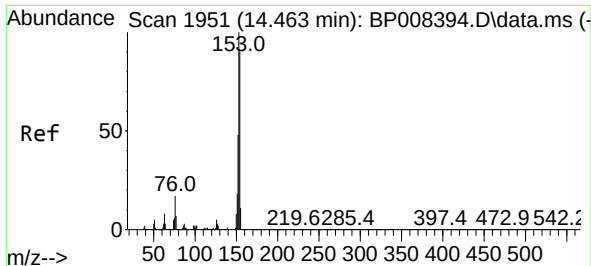


#45  
2-Fluorobiphenyl  
Concen: 90.538 ng  
RT: 12.998 min Scan# 1702  
Delta R.T. -0.018 min  
Lab File: BP008476.D  
Acq: 17 Dec 2021 17:53

Tgt Ion: 172 Resp: 850305  
Ion Ratio Lower Upper  
172 100  
171 35.7 28.0 42.0  
170 23.0 18.9 28.3



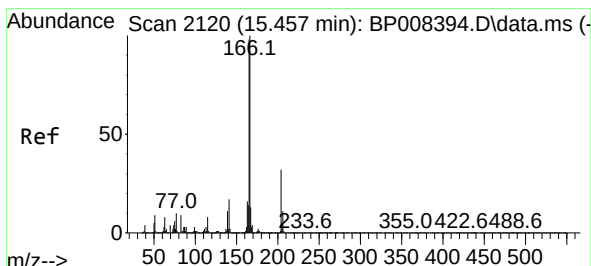
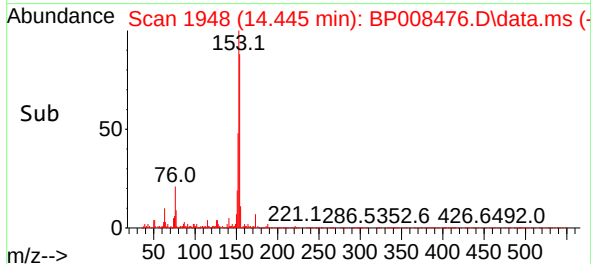
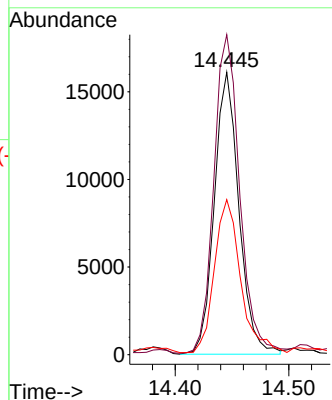
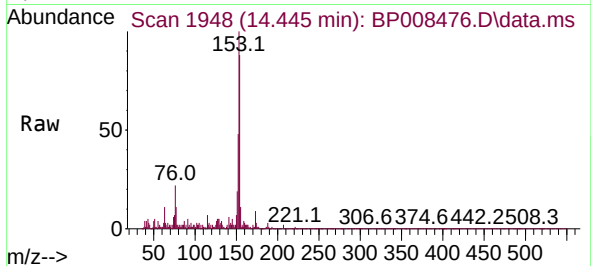




#52  
Acenaphthene  
Concen: 3.764 ng  
RT: 14.445 min Scan# 1948  
Delta R.T. -0.018 min  
Lab File: BP008476.D  
Acq: 17 Dec 2021 17:53

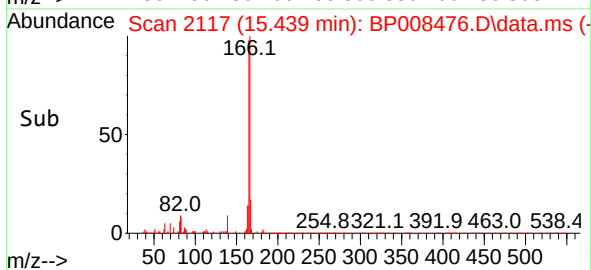
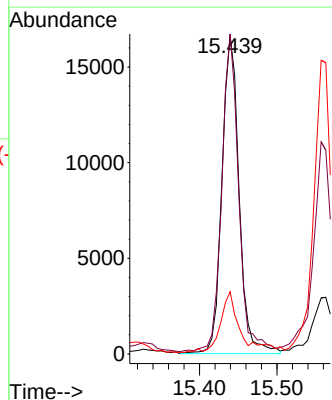
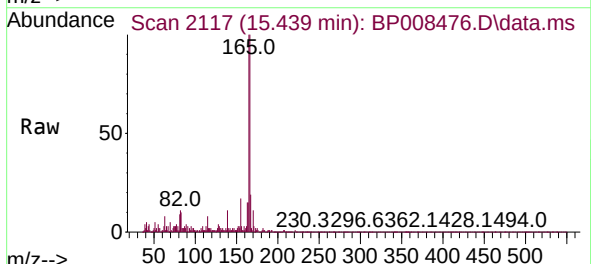
Instrument :  
BNA\_P  
ClientSampleId :  
C2

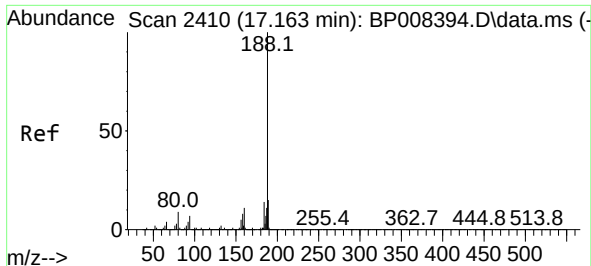
Tgt Ion:154 Resp: 24216  
Ion Ratio Lower Upper  
154 100  
153 113.3 90.3 135.5  
152 54.9 43.3 64.9



#58  
Fluorene  
Concen: 3.022 ng  
RT: 15.439 min Scan# 2117  
Delta R.T. -0.018 min  
Lab File: BP008476.D  
Acq: 17 Dec 2021 17:53

Tgt Ion:166 Resp: 25637  
Ion Ratio Lower Upper  
166 100  
165 100.5 79.4 119.2  
167 19.5 10.9 16.3#

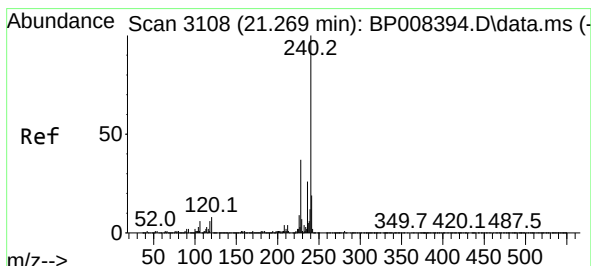
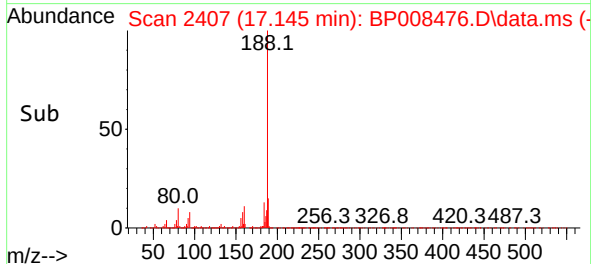
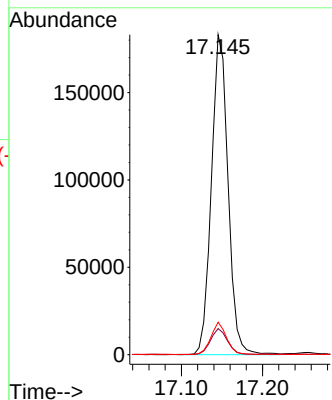
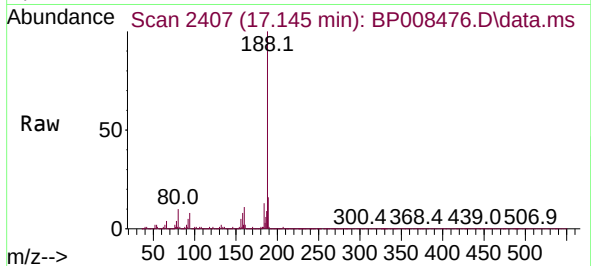




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.145 min Scan# 2410  
Delta R.T. -0.018 min  
Lab File: BP008476.D  
Acq: 17 Dec 2021 17:53

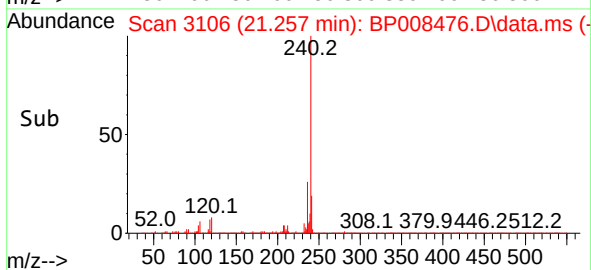
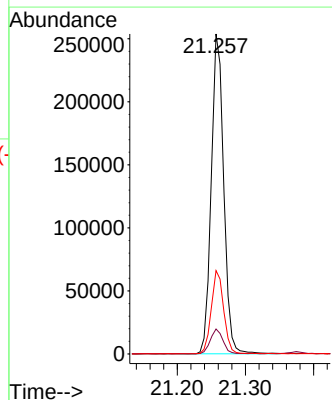
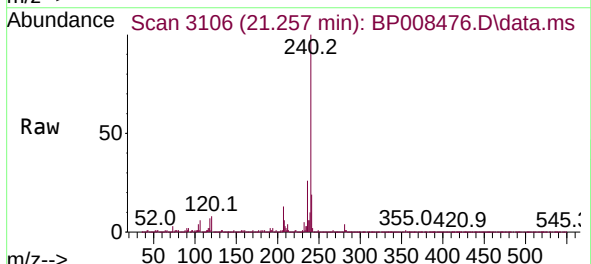
Instrument :  
BNA\_P  
ClientSampleId :  
C2

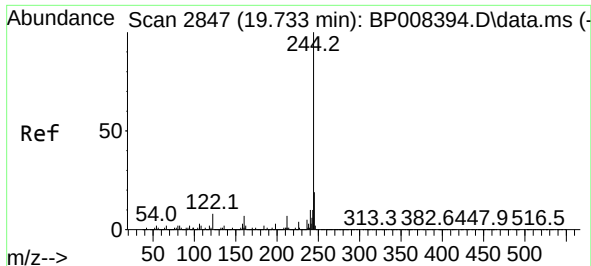
Tgt Ion:188 Resp: 260884  
Ion Ratio Lower Upper  
188 100  
94 8.2 7.2 10.8  
80 10.2 8.2 12.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.257 min Scan# 3106  
Delta R.T. -0.012 min  
Lab File: BP008476.D  
Acq: 17 Dec 2021 17:53

Tgt Ion:240 Resp: 323269  
Ion Ratio Lower Upper  
240 100  
120 7.8 7.3 10.9  
236 26.1 21.4 32.2



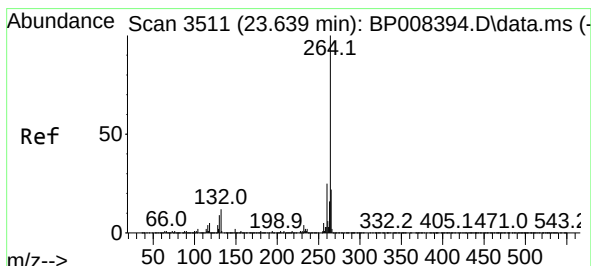
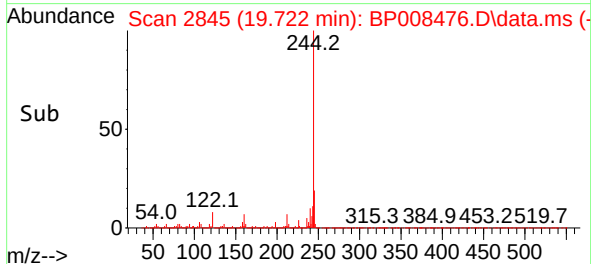
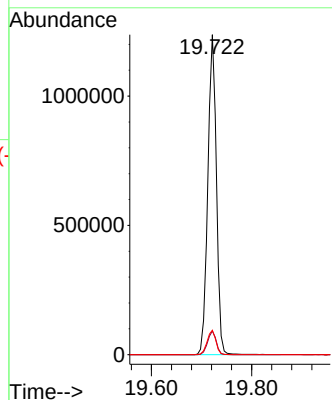
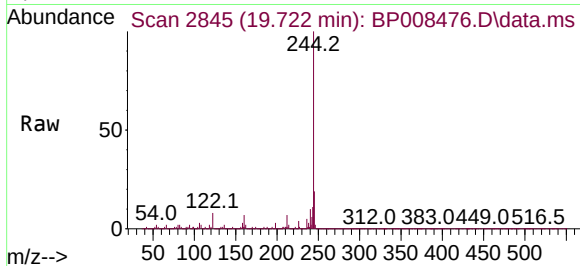


#79  
 Terphenyl-d14  
 Concen: 79.249 ng  
 RT: 19.722 min Scan# 21  
 Delta R.T. -0.012 min  
 Lab File: BP008476.D  
 Acq: 17 Dec 2021 17:53

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C2

Tgt Ion:244 Resp: 1472020

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.4   | 6.0   | 9.0   |
| 122 | 7.7   | 6.6   | 9.8   |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.621 min Scan# 3508  
 Delta R.T. -0.018 min  
 Lab File: BP008476.D  
 Acq: 17 Dec 2021 17:53

Tgt Ion:264 Resp: 383899

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.7  | 19.4  | 29.2  |
| 265 | 22.2  | 17.6  | 26.4  |

