

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051221\  
 Data File : BP005508.D  
 Acq On : 12 May 2021 17:25  
 Operator : CG/JU  
 Sample : M2364-02  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 AST2-COPR4-1

Quant Time: May 12 18:03:49 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP050521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 11 11:20:59 2021  
 Response via : Initial Calibration

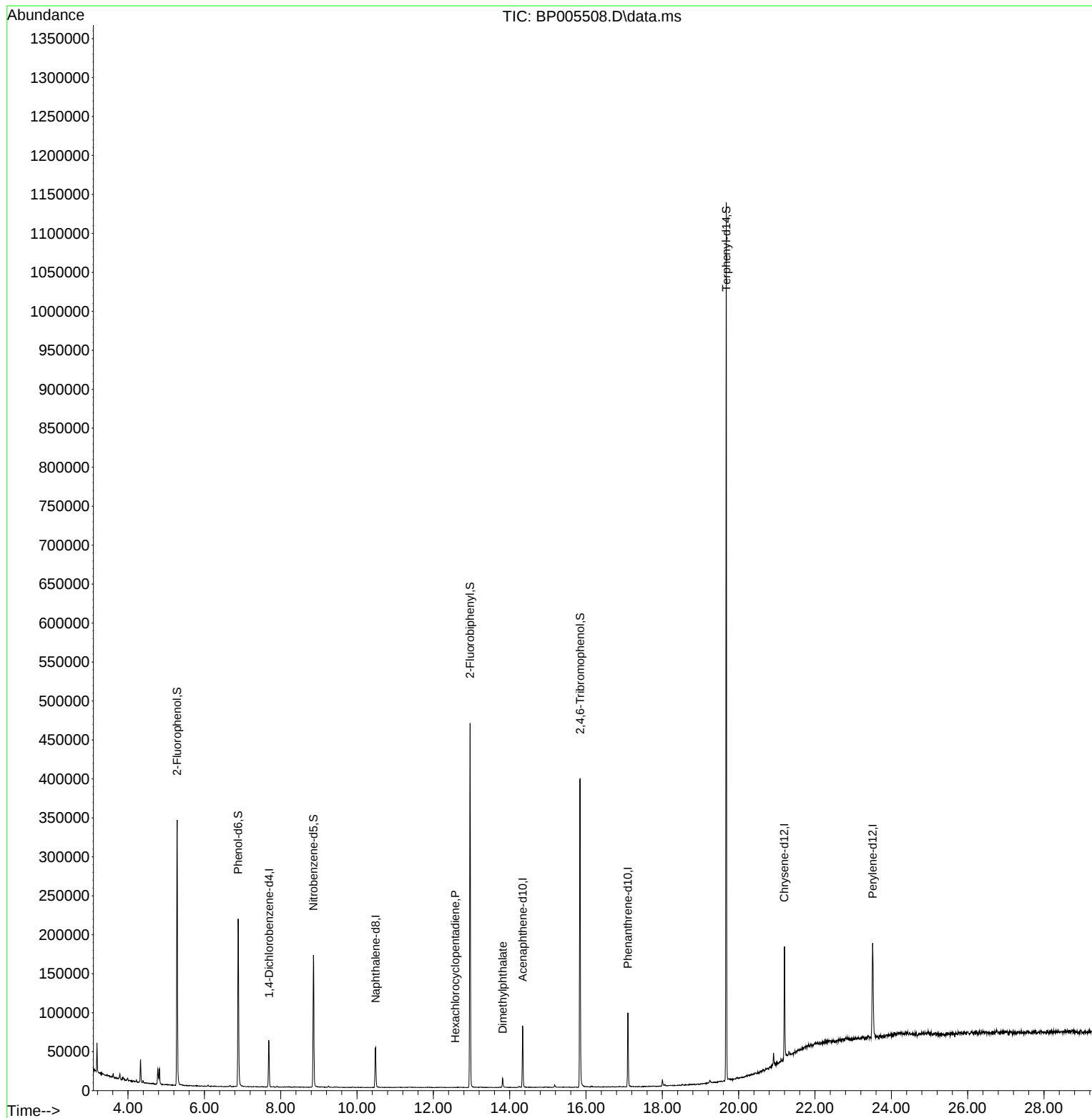
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.693  | 152  | 11834    | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.487 | 136  | 31391    | 20.00     | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.340 | 164  | 23001    | 20.00     | ng    | # 0.00   |
| 64) Phenanthrene-d10          | 17.098 | 188  | 52823    | 20.00     | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.198 | 240  | 72907    | 20.00     | ng    | # 0.00   |
| 86) Perylene-d12              | 23.510 | 264  | 96373    | 20.00     | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.287  | 112  | 107220   | 173.88    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.887  | 99   | 84163    | 109.46    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.857  | 82   | 85143    | 106.76    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.845 | 330  | 75084    | 115.03    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.963 | 172  | 182997   | 89.75     | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.675 | 244  | 417950   | 97.36     | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
| 2) 1,4-Dioxane                | 3.187  | 88   | 36       | Below Cal | #     | 1        |
| 9) Benzaldehyde               | 6.828  | 77   | 28       | Below Cal | #     | 40       |
| 41) Hexachlorocyclopentadiene | 12.575 | 237  | 11       | 7.89      | ng    | 72       |
| 50) Dimethylphthalate         | 13.816 | 163  | 7080     | 3.57      | ng    | # 97     |
| -----                         |        |      |          |           |       |          |

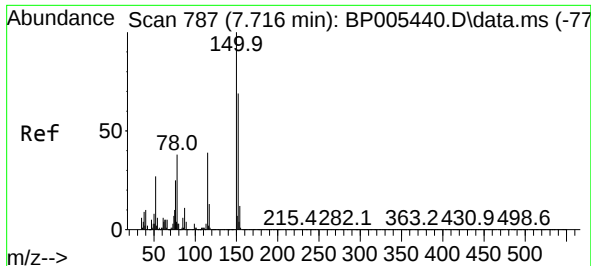
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051221\  
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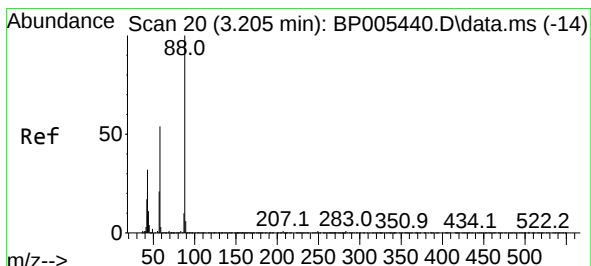
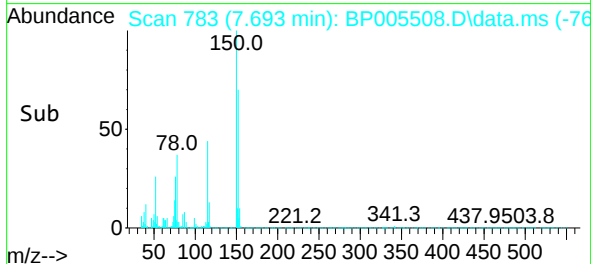
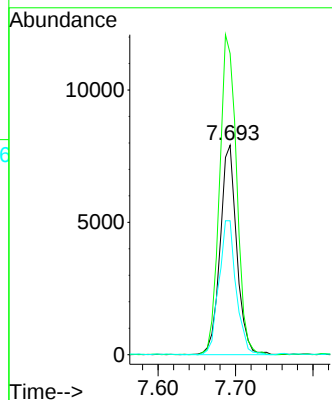
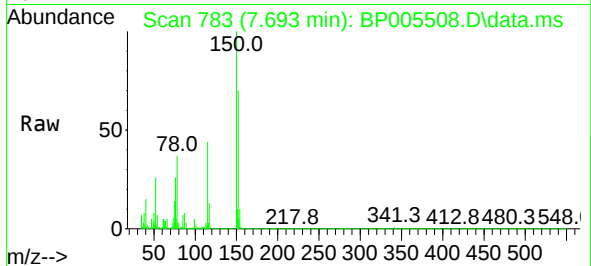




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.693 min Scan# 783  
Delta R.T. -0.006 min  
Lab File: BP005508.D  
Acq: 12 May 2021 17:25

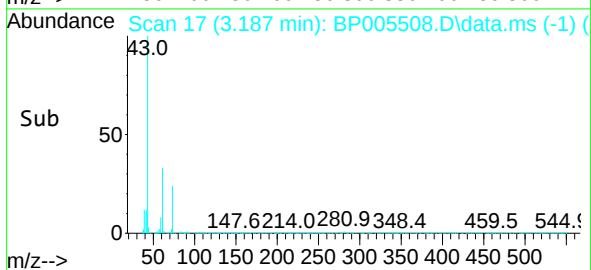
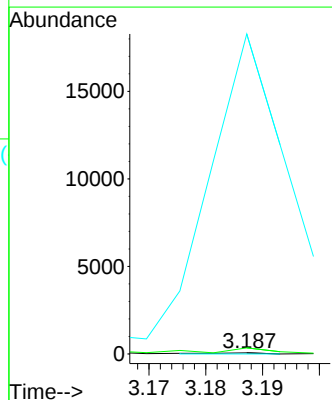
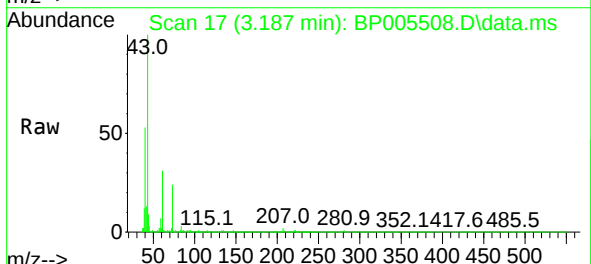
Instrument :  
BNA\_P  
ClientSampleId :  
AST2-COPR4-1

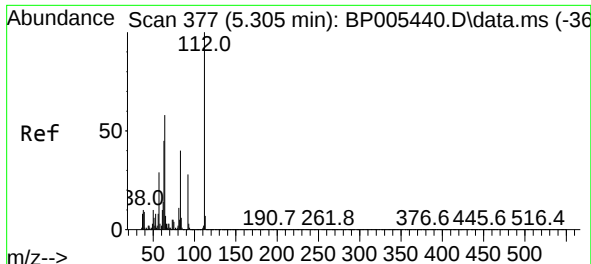
Tgt Ion:152 Resp: 11834  
Ion Ratio Lower Upper  
152 100  
150 143.8 119.8 179.8  
115 63.9 49.0 73.4



#2  
1,4-Dioxane  
Concen: Below Cal  
RT: 3.187 min Scan# 17  
Delta R.T. 0.006 min  
Lab File: BP005508.D  
Acq: 12 May 2021 17:25

Tgt Ion: 88 Resp: 36  
Ion Ratio Lower Upper  
88 100  
58 552.8 42.5 63.7#  
43 48144.4 19.8 29.8#

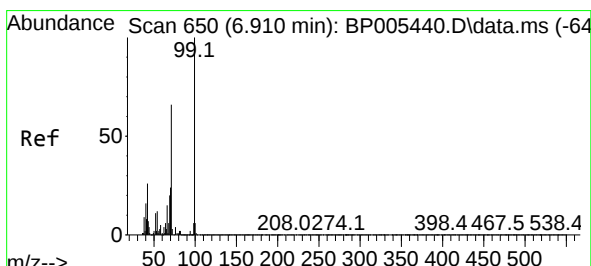
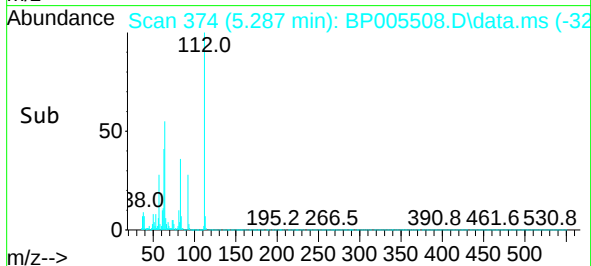
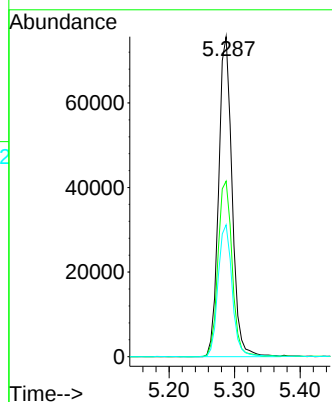
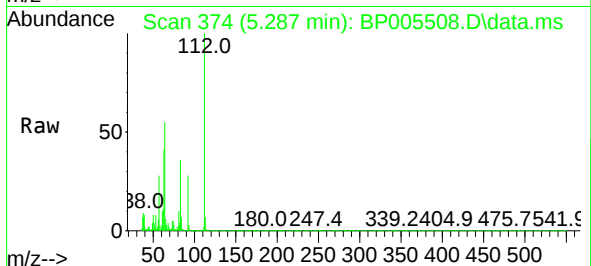




#5  
2-Fluorophenol  
Concen: 173.88 ng  
RT: 5.287 min Scan# 374  
Delta R.T. -0.000 min  
Lab File: BP005508.D  
Acq: 12 May 2021 17:25

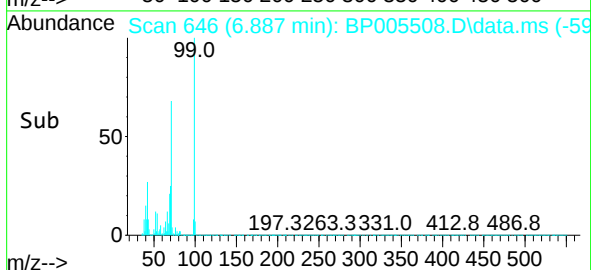
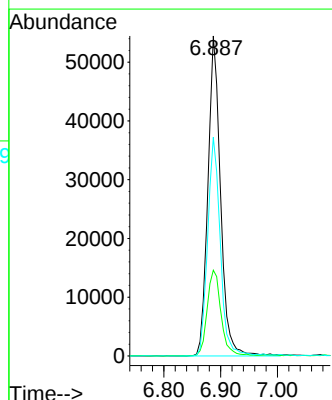
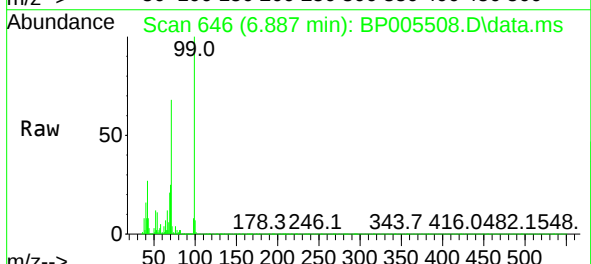
Instrument :  
BNA\_P  
ClientSampleId :  
AST2-COPR4-1

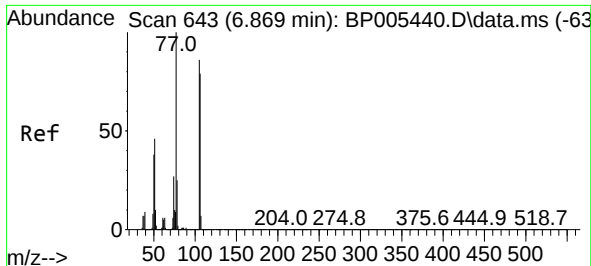
Tgt Ion:112 Resp: 107220  
Ion Ratio Lower Upper  
112 100  
64 54.8 33.6 50.4#  
63 41.2 18.6 27.8#



#7  
Phenol-d6  
Concen: 109.46 ng  
RT: 6.887 min Scan# 646  
Delta R.T. -0.006 min  
Lab File: BP005508.D  
Acq: 12 May 2021 17:25

Tgt Ion: 99 Resp: 84163  
Ion Ratio Lower Upper  
99 100  
42 26.8 12.9 19.3#  
71 68.3 26.7 40.1#

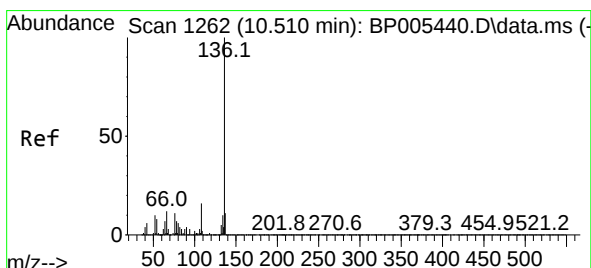
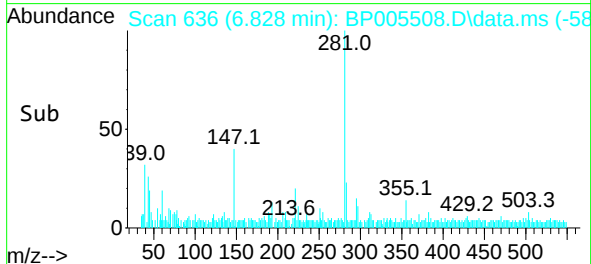
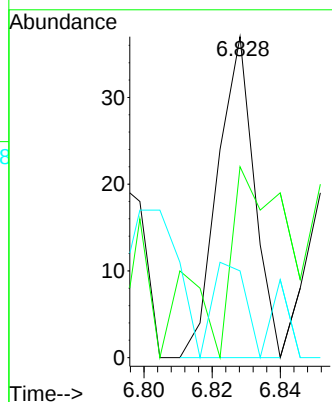
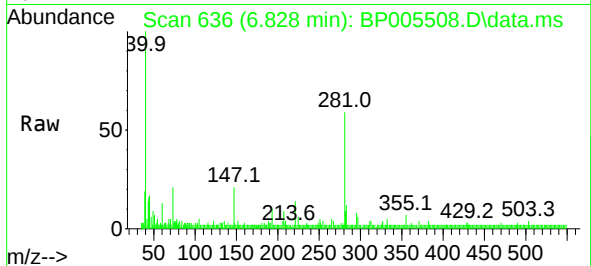




#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.828 min Scan# 636  
Delta R.T. -0.018 min  
Lab File: BP005508.D  
Acq: 12 May 2021 17:25

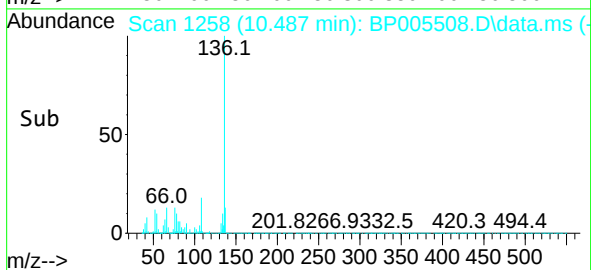
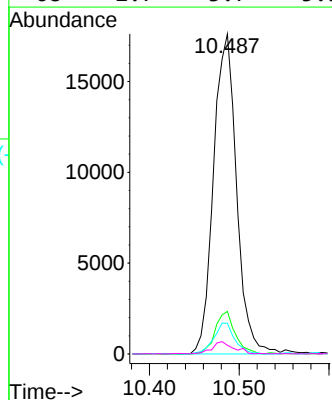
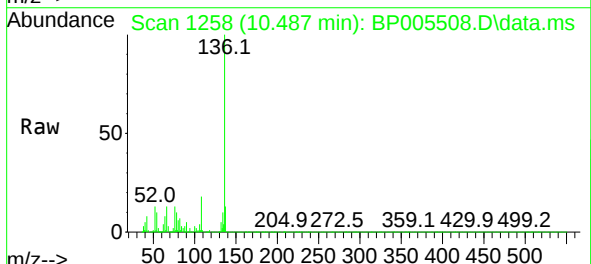
Instrument :  
BNA\_P  
ClientSampleId :  
AST2-COPR4-1

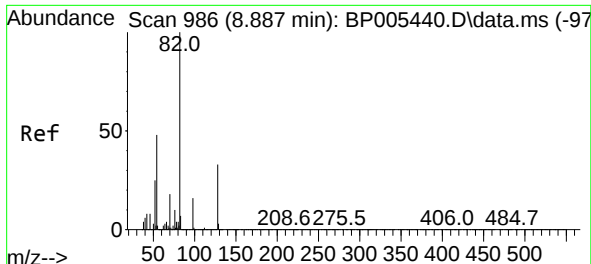
Tgt Ion: 77 Resp: 28  
Ion Ratio Lower Upper  
77 100  
105 59.5 89.4 129.4#  
106 27.0 79.9 119.9#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.487 min Scan# 1258  
Delta R.T. -0.006 min  
Lab File: BP005508.D  
Acq: 12 May 2021 17:25

Tgt Ion: 136 Resp: 31391  
Ion Ratio Lower Upper  
136 100  
137 13.3 8.9 13.3  
54 9.6 5.0 7.4#  
68 2.7 3.7 5.5#

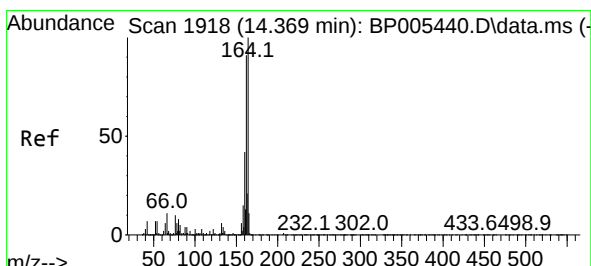
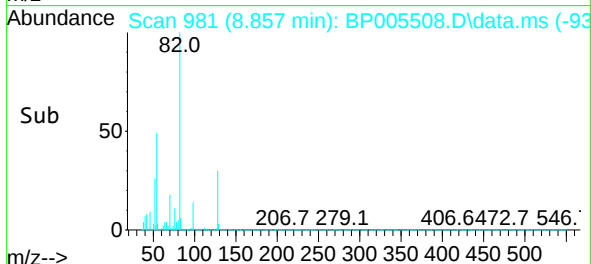
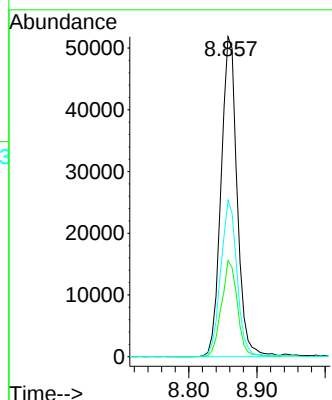
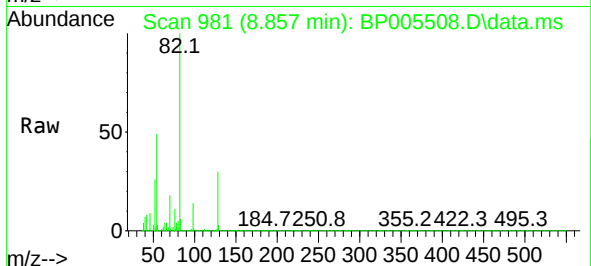




#23  
Nitrobenzene-d5  
Concen: 106.76 ng  
RT: 8.857 min Scan# 981  
Delta R.T. -0.006 min  
Lab File: BP005508.D  
Acq: 12 May 2021 17:25

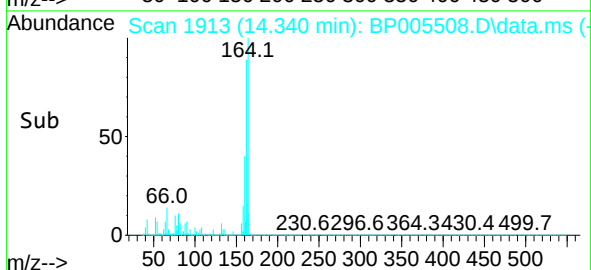
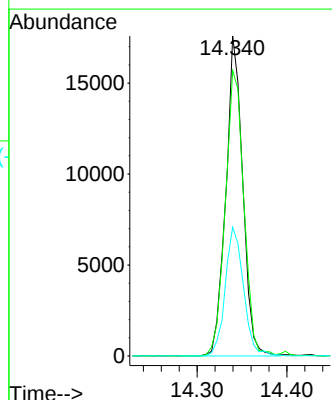
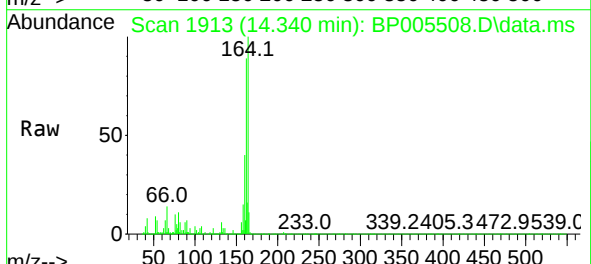
Instrument :  
BNA\_P  
ClientSampleId :  
AST2-COPR4-1

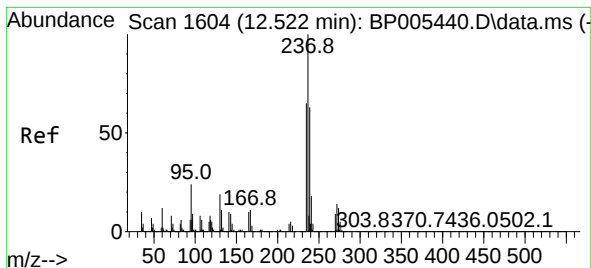
Tgt Ion: 82 Resp: 85143  
Ion Ratio Lower Upper  
82 100  
128 30.1 30.5 45.7#  
54 48.9 33.9 50.9



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.340 min Scan# 1913  
Delta R.T. -0.000 min  
Lab File: BP005508.D  
Acq: 12 May 2021 17:25

Tgt Ion: 164 Resp: 23001  
Ion Ratio Lower Upper  
164 100  
162 89.2 73.5 110.3  
160 40.2 40.6 61.0#



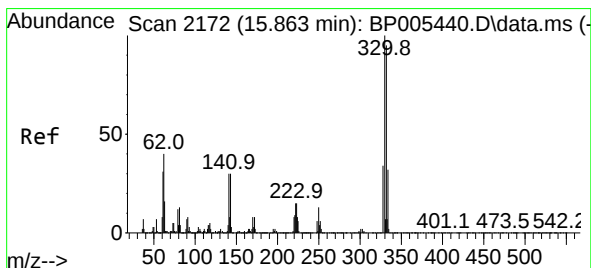
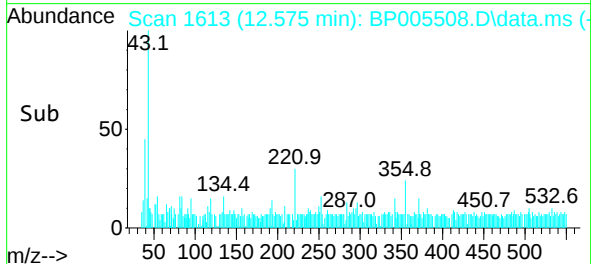
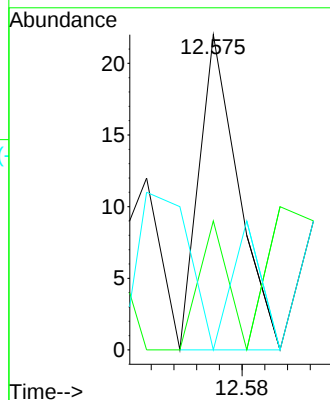
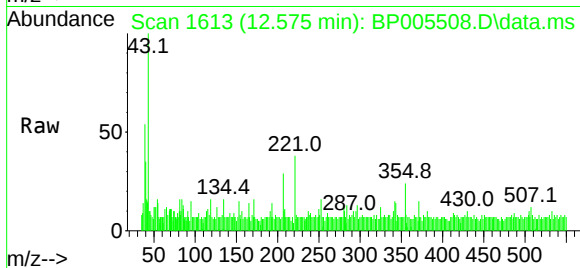


#41

Hexachlorocyclopentadiene  
Concen: 7.89 ng  
RT: 12.575 min Scan# 1613  
Delta R.T. 0.076 min  
Lab File: BP005508.D  
Acq: 12 May 2021 17:25

Instrument :  
BNA\_P  
ClientSampleId :  
AST2-COPR4-1

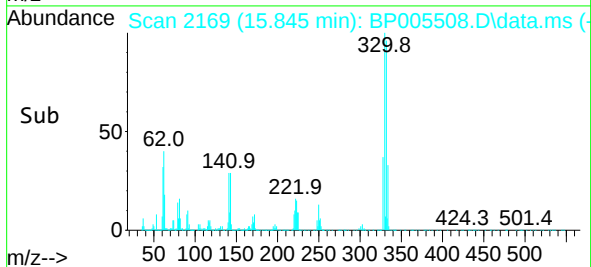
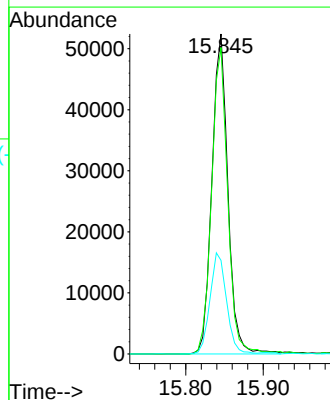
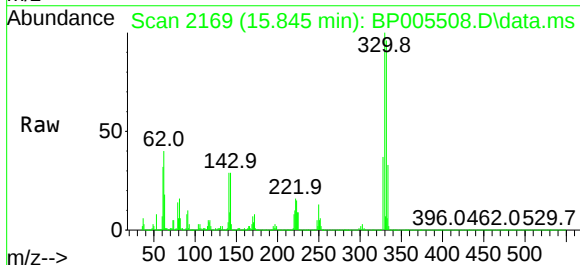
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 237   | Resp: | 11    |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 40.9  | 40.9  | 80.9  |
| 272      | 0.0   | 0.0   | 34.6  |

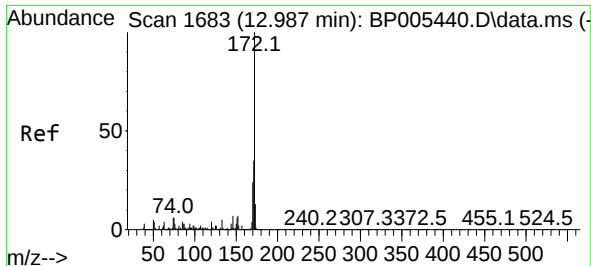


#42

2,4,6-Tribromophenol  
Concen: 115.03 ng  
RT: 15.845 min Scan# 2169  
Delta R.T. 0.006 min  
Lab File: BP005508.D  
Acq: 12 May 2021 17:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 330   | Resp: | 75084 |
| Ion      | Ratio | Lower | Upper |
| 330      | 100   |       |       |
| 332      | 95.7  | 76.3  | 114.5 |
| 141      | 32.6  | 22.8  | 34.2  |

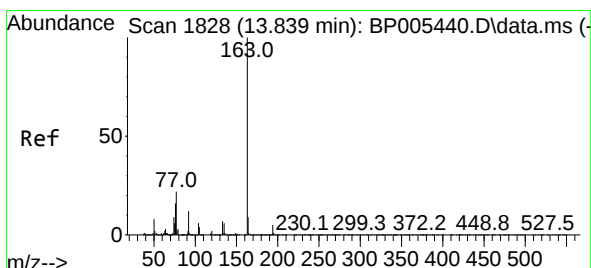
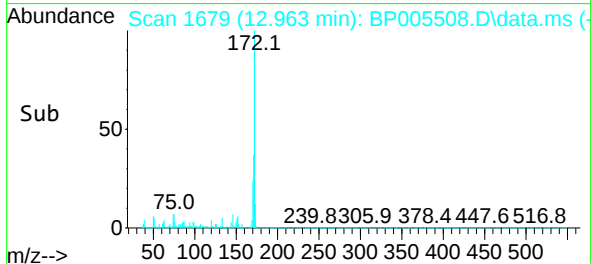
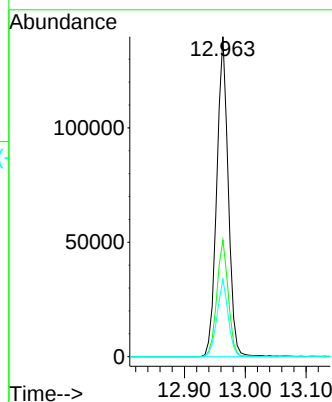
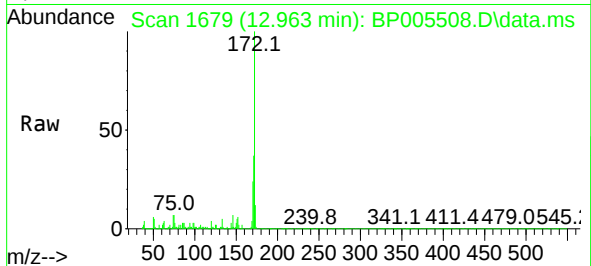




#45  
2-Fluorobiphenyl  
Concen: 89.75 ng  
RT: 12.963 min Scan# 1679  
Delta R.T. -0.006 min  
Lab File: BP005508.D  
Acq: 12 May 2021 17:25

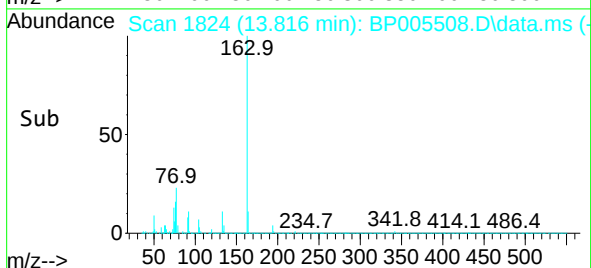
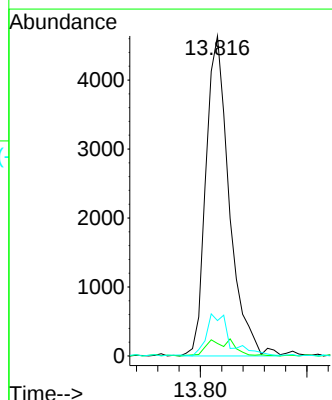
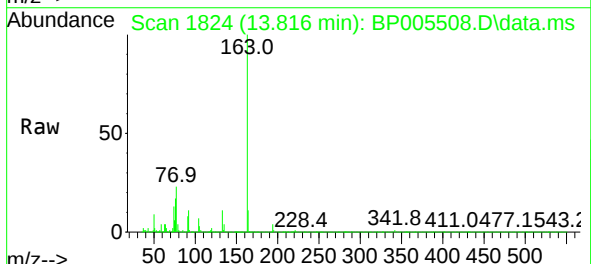
Instrument :  
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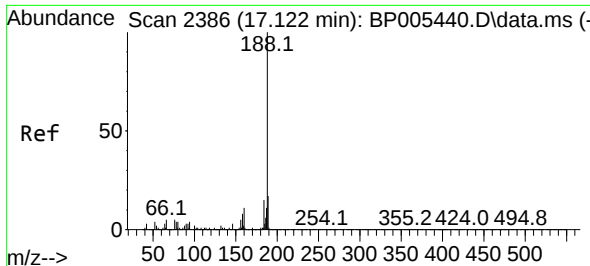
Tgt Ion:172 Resp: 182997  
Ion Ratio Lower Upper  
172 100  
171 36.5 28.1 42.1  
170 24.2 19.6 29.4



#50  
Dimethylphthalate  
Concen: 3.57 ng  
RT: 13.816 min Scan# 1824  
Delta R.T. -0.000 min  
Lab File: BP005508.D  
Acq: 12 May 2021 17:25

Tgt Ion:163 Resp: 7080  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.9 5.9#  
164 11.0 8.1 12.1

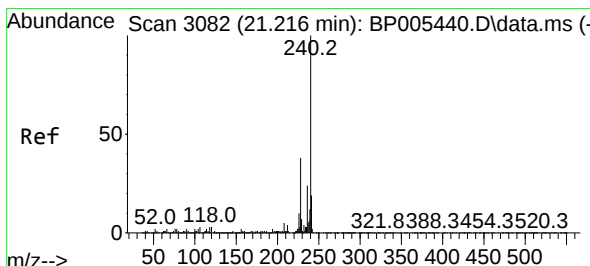
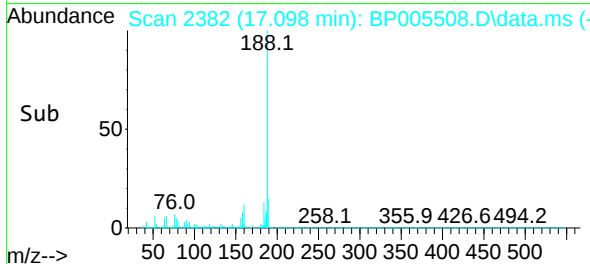
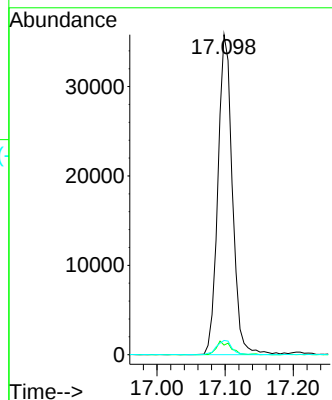
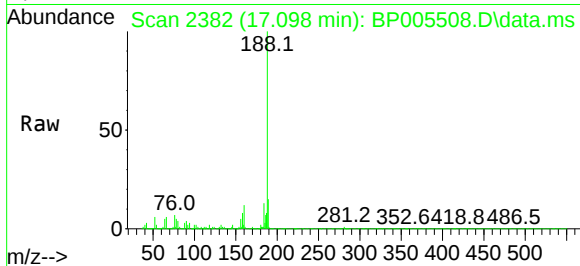




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.098 min Scan# 2382  
Delta R.T. -0.000 min  
Lab File: BP005508.D  
Acq: 12 May 2021 17:25

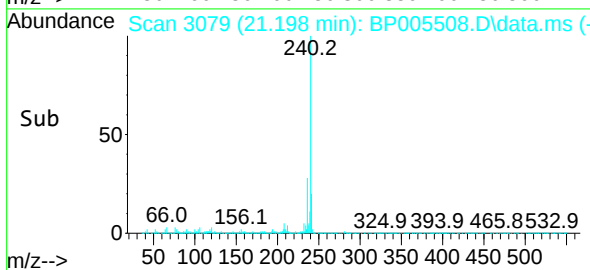
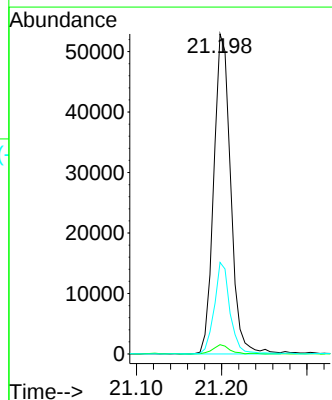
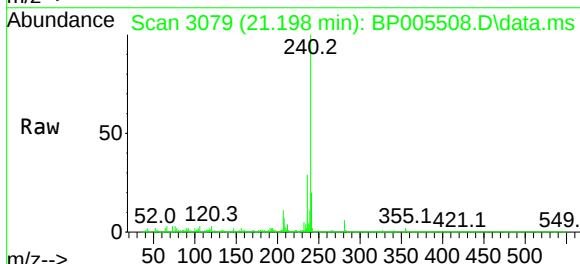
Instrument :  
BNA\_P  
ClientSampleId :  
AST2-COPR4-1

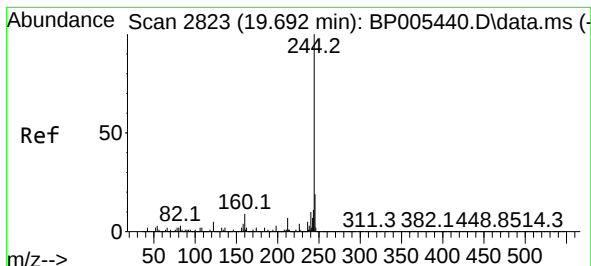
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:188 | Resp: | 52823    |
| Ion Ratio   | Lower | Upper    |
| 188         | 100   |          |
| 94          | 3.0   | 5.0 7.6# |
| 80          | 4.5   | 5.9 8.9# |



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.198 min Scan# 3079  
Delta R.T. 0.006 min  
Lab File: BP005508.D  
Acq: 12 May 2021 17:25

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:240 | Resp: | 72907     |
| Ion Ratio   | Lower | Upper     |
| 240         | 100   |           |
| 120         | 2.9   | 4.2 6.2#  |
| 236         | 28.6  | 20.2 30.2 |





#79

Terphenyl-d14

Concen: 97.36 ng

RT: 19.675 min Scan# 2820

Delta R.T. 0.006 min

Lab File: BP005508.D

Acq: 12 May 2021 17:25

Tgt Ion:244 Resp: 417950

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

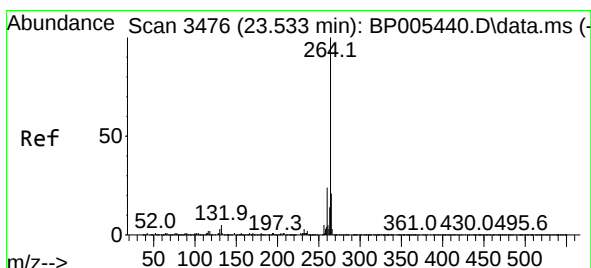
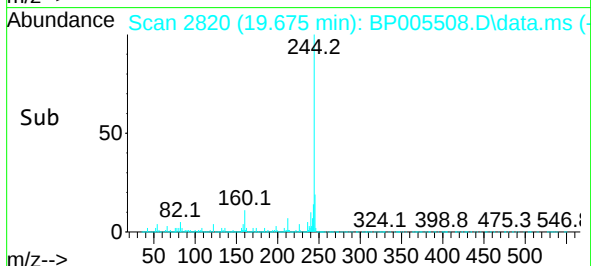
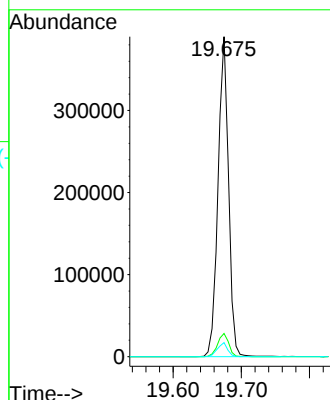
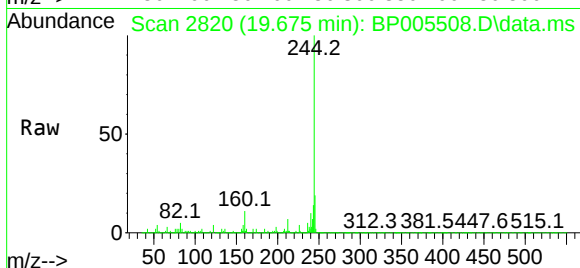
122 4.4 5.2 7.8#

Instrument :

BNA\_P

ClientSampleId :

AST2-COPR4-1



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.510 min Scan# 3472

Delta R.T. 0.006 min

Lab File: BP005508.D

Acq: 12 May 2021 17:25

Tgt Ion:264 Resp: 96373

Ion Ratio Lower Upper

264 100

260 23.9 20.6 30.8

265 20.3 19.0 28.6

