

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121021\  
 Data File : BP008351.D  
 Acq On : 10 Dec 2021 21:07  
 Operator : CG/JU  
 Sample : M4965-02  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 RED-CONCRETE-COMP-EXTERIOR

Quant Time: Dec 11 04:01:34 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

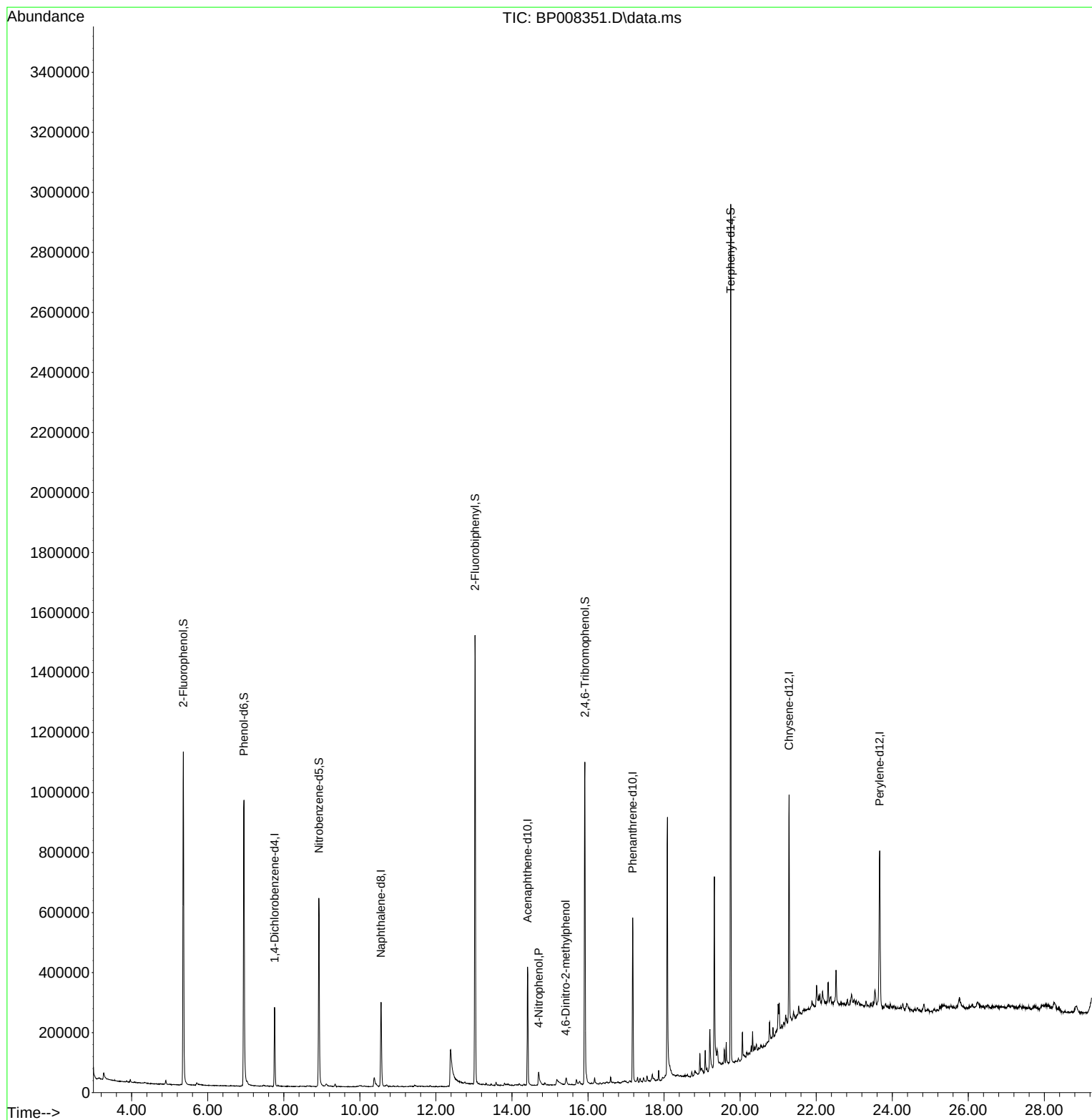
| Compound                      | R.T.   | QIon | Response | Conc      | Units    | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|----------|----------|
| -----                         |        |      |          |           |          |          |
| Internal Standards            |        |      |          |           |          |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.758  | 152  | 66454    | 20.000    | ng       | 0.00     |
| 21) Naphthalene-d8            | 10.557 | 136  | 233090   | 20.000    | ng       | 0.00     |
| 39) Acenaphthene-d10          | 14.410 | 164  | 132292   | 20.000    | ng       | 0.00     |
| 64) Phenanthrene-d10          | 17.175 | 188  | 317064   | 20.000    | ng       | 0.00     |
| 76) Chrysene-d12              | 21.286 | 240  | 367762   | 20.000    | ng       | 0.00     |
| 86) Perylene-d12              | 23.669 | 264  | 404656   | 20.000    | ng       | 0.00     |
| System Monitoring Compounds   |        |      |          |           |          |          |
| 5) 2-Fluorophenol             | 5.358  | 112  | 450160   | 109.068   | ng       | 0.00     |
| 7) Phenol-d6                  | 6.952  | 99   | 563289   | 101.100   | ng       | 0.00     |
| 23) Nitrobenzene-d5           | 8.922  | 82   | 386864   | 75.473    | ng       | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.916 | 330  | 208139   | 123.093   | ng       | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.028 | 172  | 745437   | 81.847    | ng       | 0.00     |
| 79) Terphenyl-d14             | 19.751 | 244  | 1265670  | 71.926    | ng       | 0.00     |
| Target Compounds              |        |      |          |           |          |          |
| 9) Benzaldehyde               | 6.887  | 77   | 78       | Below Cal | Qvalue # | 13       |
| 56) 4-Nitrophenol             | 14.704 | 139  | 24986    | 15.602 ng | #        | 2        |
| 65) 4,6-Dinitro-2-methylph... | 15.410 | 198  | 4853     | 2.340 ng  | #        | 49       |
| 78) Pyrene                    | 19.557 | 202  | 2077     | Below Cal |          | 94       |
| -----                         |        |      |          |           |          |          |

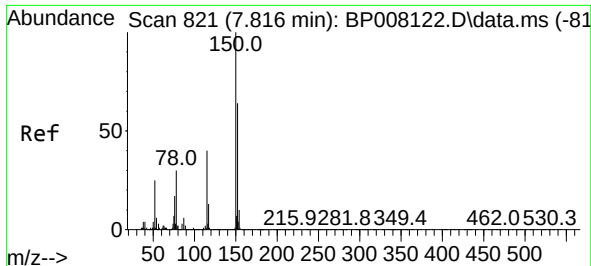
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121021\  
Data File : BP008351.D  
Acq On : 10 Dec 2021 21:07  
Operator : CG/JU  
Sample : M4965-02  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
RED-CONCRETE-COMP-EXTERIOR

Quant Time: Dec 11 04:01:34 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

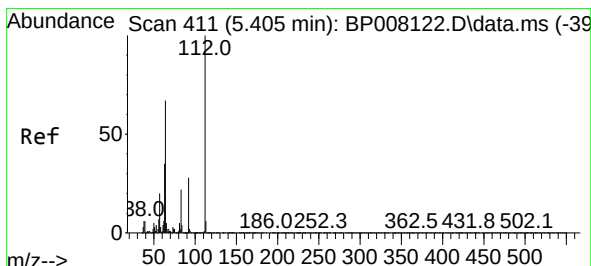
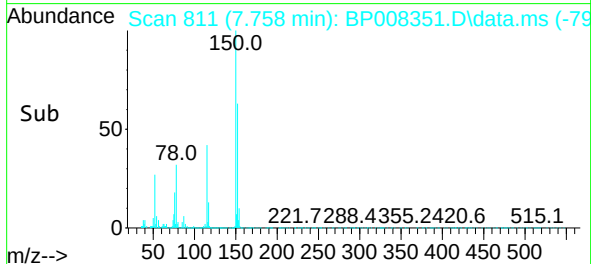
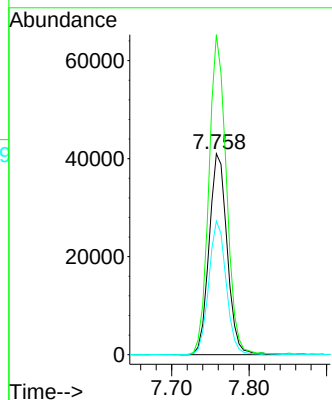
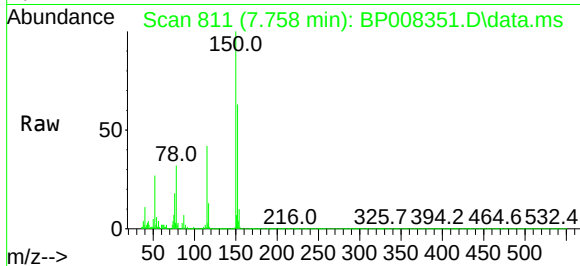




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.758 min Scan# 81  
Delta R.T. -0.005 min  
Lab File: BP008351.D  
Acq: 10 Dec 2021 21:07

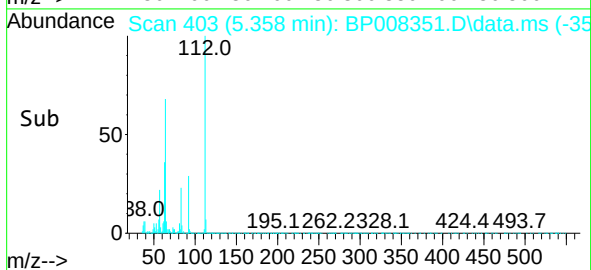
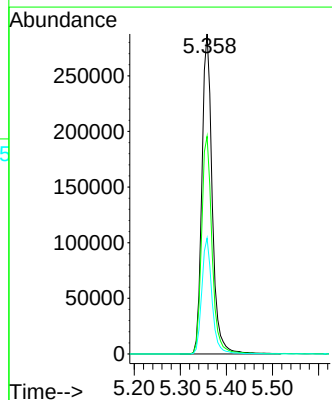
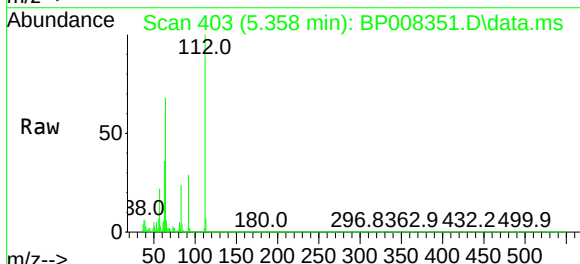
Instrument :  
BNA\_P  
ClientSampleId :  
RED-CONCRETE-COMP-EXTERIOR

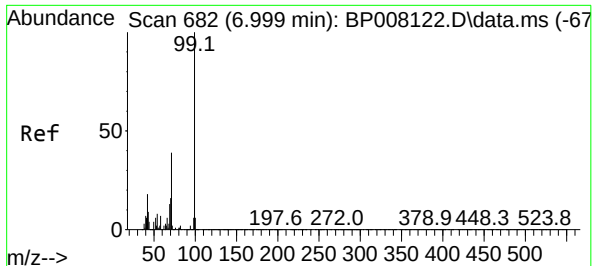
Tgt Ion:152 Resp: 66454  
Ion Ratio Lower Upper  
152 100  
150 159.2 125.7 188.5  
115 66.5 50.7 76.1



#5  
2-Fluorophenol  
Concen: 109.068 ng  
RT: 5.358 min Scan# 403  
Delta R.T. 0.000 min  
Lab File: BP008351.D  
Acq: 10 Dec 2021 21:07

Tgt Ion:112 Resp: 450160  
Ion Ratio Lower Upper  
112 100  
64 68.0 53.4 80.2  
63 36.2 27.8 41.8

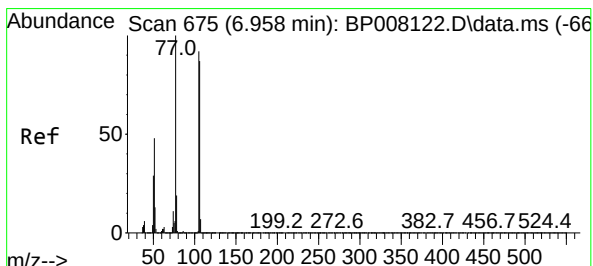
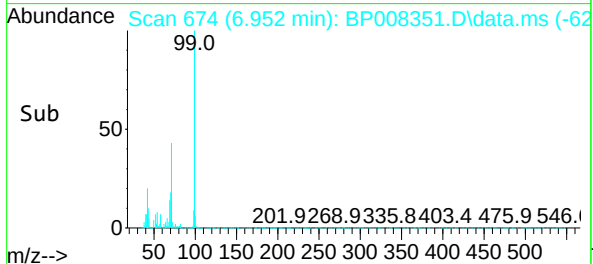
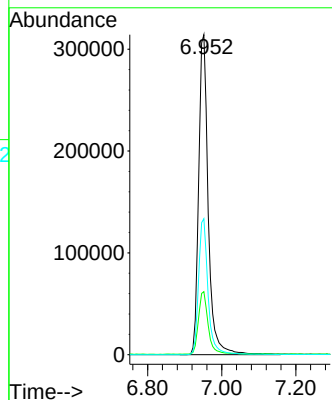
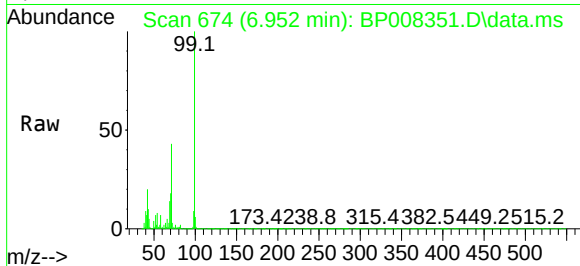




#7  
Phenol-d6  
Concen: 101.100 ng  
RT: 6.952 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BP008351.D  
Acq: 10 Dec 2021 21:07

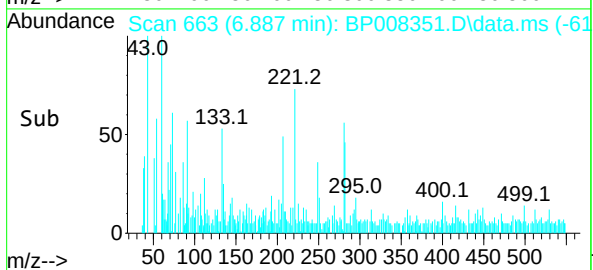
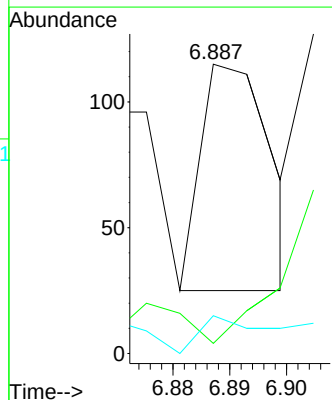
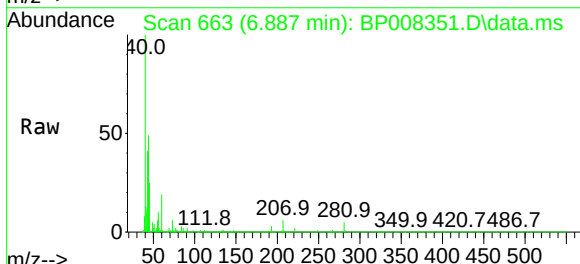
Instrument :  
BNA\_P  
ClientSampleId :  
RED-CONCRETE-COMP-EXTERIOR

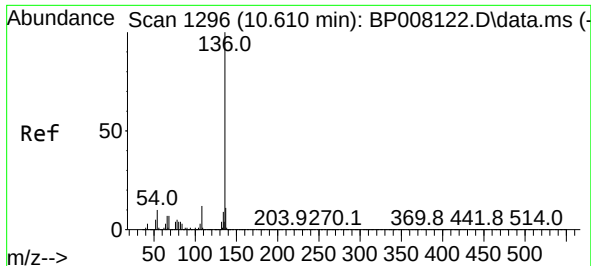
Tgt Ion: 99 Resp: 563289  
Ion Ratio Lower Upper  
99 100  
42 19.7 14.6 22.0  
71 42.5 31.1 46.7



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.887 min Scan# 663  
Delta R.T. -0.023 min  
Lab File: BP008351.D  
Acq: 10 Dec 2021 21:07

Tgt Ion: 77 Resp: 78  
Ion Ratio Lower Upper  
77 100  
105 3.5 71.8 111.8#  
106 13.0 67.3 107.3#

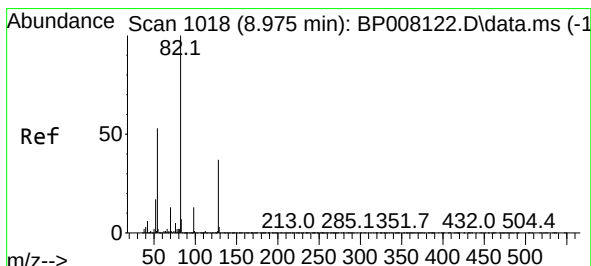
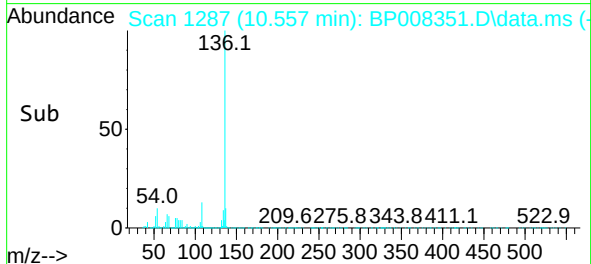
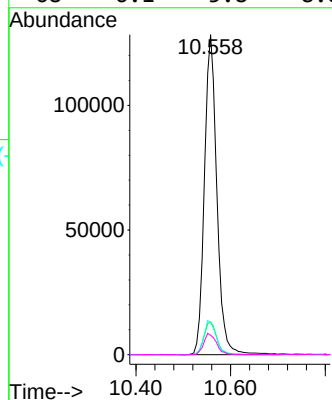
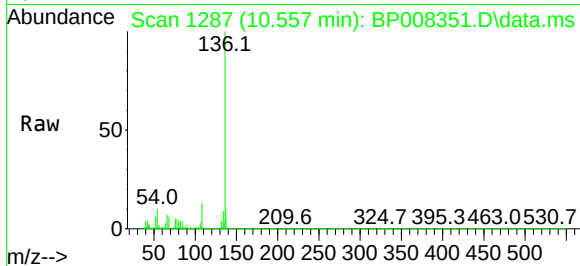




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.557 min Scan# 1009  
Delta R.T. 0.000 min  
Lab File: BP008351.D  
Acq: 10 Dec 2021 21:07

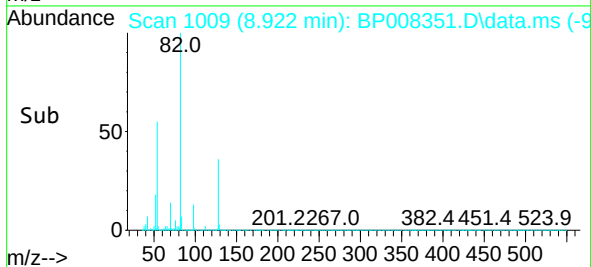
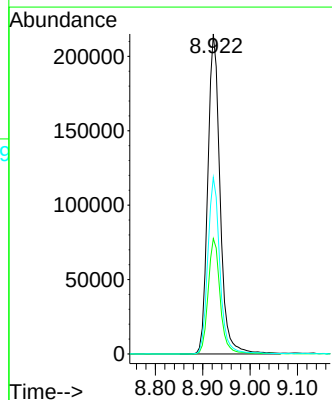
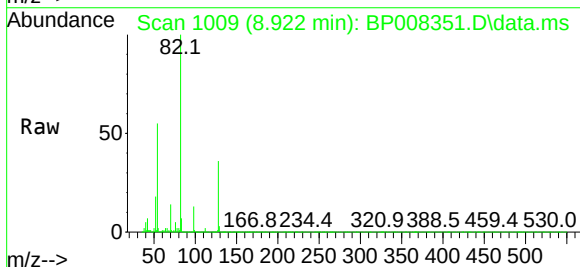
Instrument :  
BNA\_P  
ClientSampleId :  
RED-CONCRETE-COMP-EXTERIOR

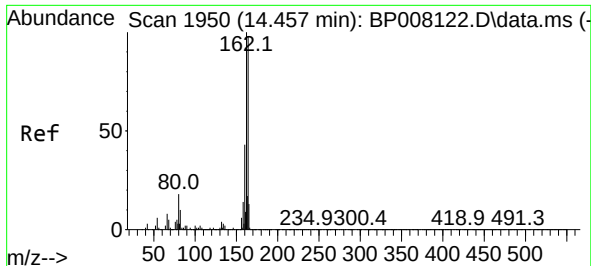
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 233090 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.2  | 9.0   | 13.6   |
| 54       | 10.1  | 8.2   | 12.4   |
| 68       | 6.1   | 5.8   | 8.8    |



#23  
Nitrobenzene-d5  
Concen: 75.473 ng  
RT: 8.922 min Scan# 1009  
Delta R.T. -0.006 min  
Lab File: BP008351.D  
Acq: 10 Dec 2021 21:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 386864 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 36.1  | 29.6  | 44.4   |
| 54       | 55.1  | 42.7  | 64.1   |

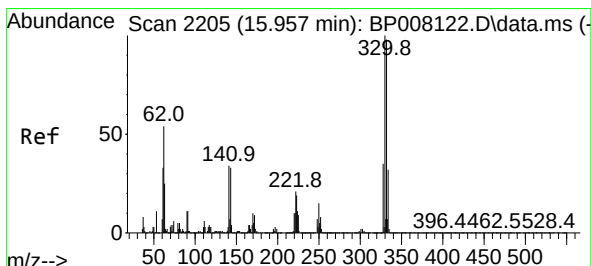
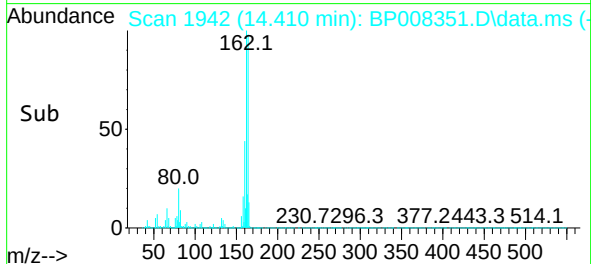
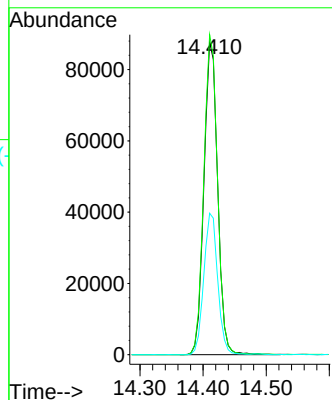
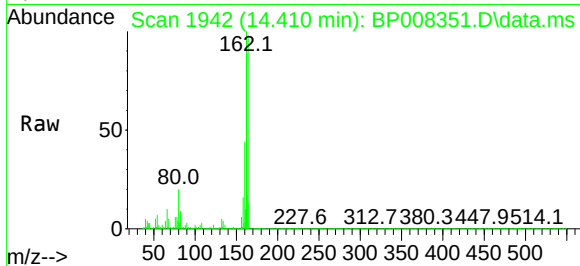




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.410 min Scan# 1942  
Delta R.T. -0.006 min  
Lab File: BP008351.D  
Acq: 10 Dec 2021 21:07

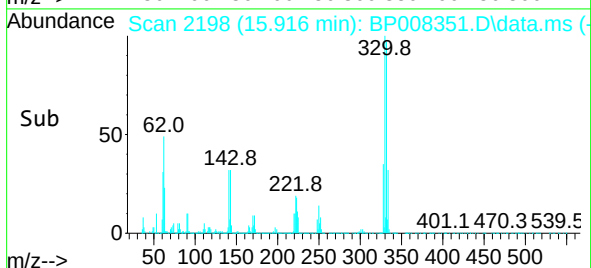
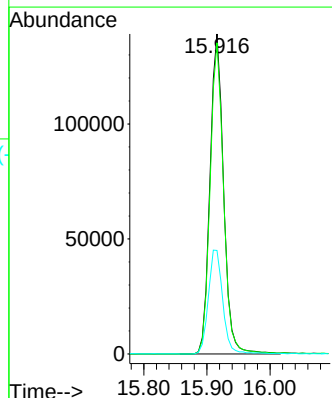
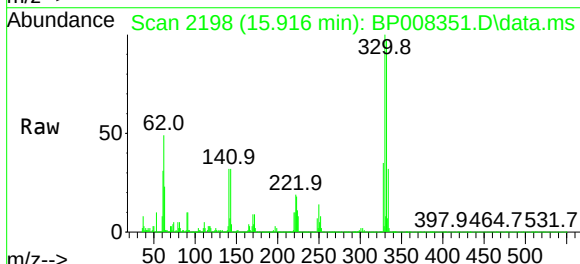
Instrument :  
BNA\_P  
ClientSampleId :  
RED-CONCRETE-COMP-EXTERIOR

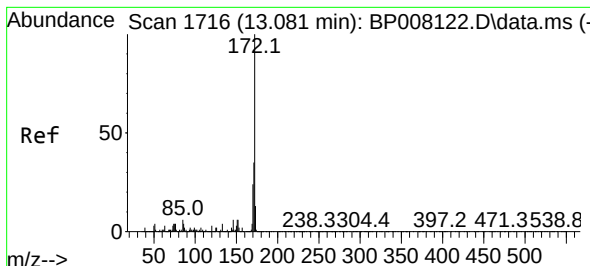
Tgt Ion:164 Resp: 132292  
Ion Ratio Lower Upper  
164 100  
162 102.4 81.9 122.9  
160 45.3 35.4 53.0



#42  
2,4,6-Tribromophenol  
Concen: 123.093 ng  
RT: 15.916 min Scan# 2198  
Delta R.T. 0.000 min  
Lab File: BP008351.D  
Acq: 10 Dec 2021 21:07

Tgt Ion:330 Resp: 208139  
Ion Ratio Lower Upper  
330 100  
332 96.3 77.0 115.4  
141 34.5 28.4 42.6





#45

2-Fluorobiphenyl

Concen: 81.847 ng

RT: 13.028 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP008351.D

Acq: 10 Dec 2021 21:07

Instrument :

BNA\_P

ClientSampleId :

RED-CONCRETE-COMP-EXTERIOR

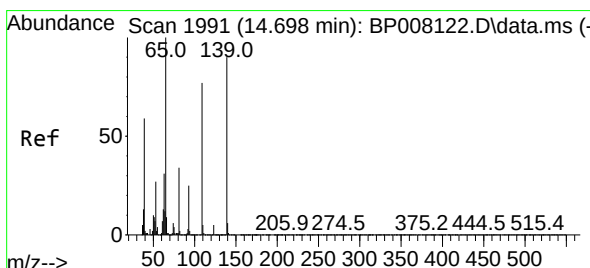
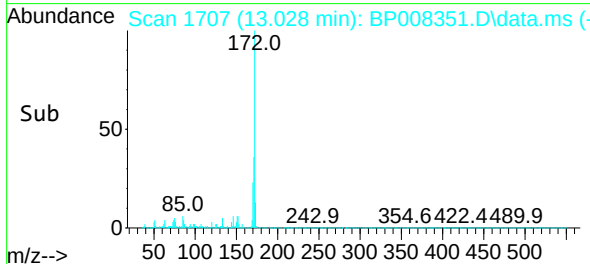
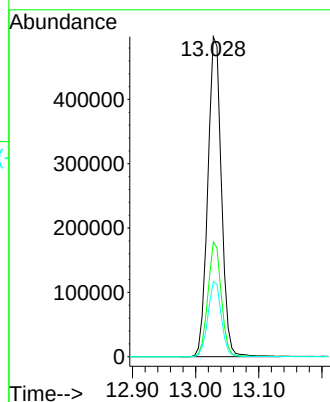
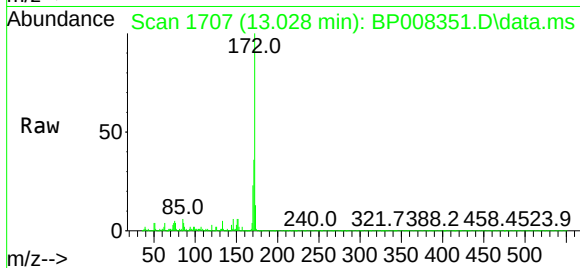
Tgt Ion:172 Resp: 745437

Ion Ratio Lower Upper

172 100

171 35.9 28.0 42.0

170 23.5 18.9 28.3



#56

4-Nitrophenol

Concen: 15.602 ng

RT: 14.704 min Scan# 1992

Delta R.T. 0.024 min

Lab File: BP008351.D

Acq: 10 Dec 2021 21:07

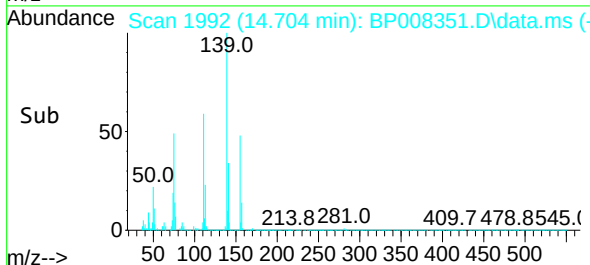
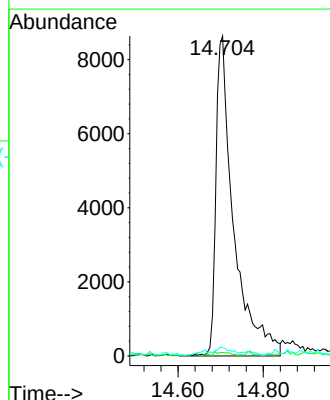
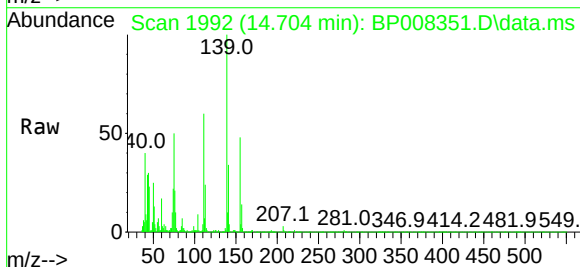
Tgt Ion:139 Resp: 24986

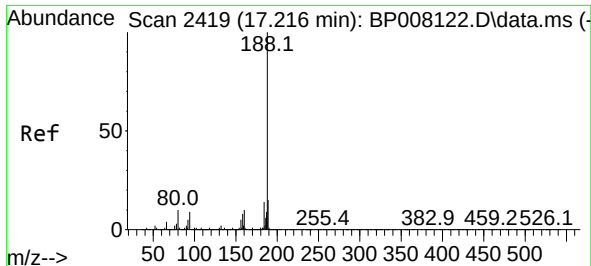
Ion Ratio Lower Upper

139 100

109 1.1 65.9 105.9#

65 2.6 91.9 131.9#

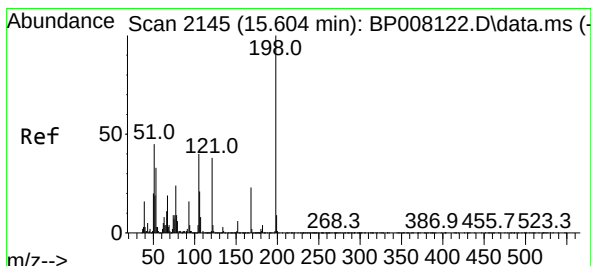
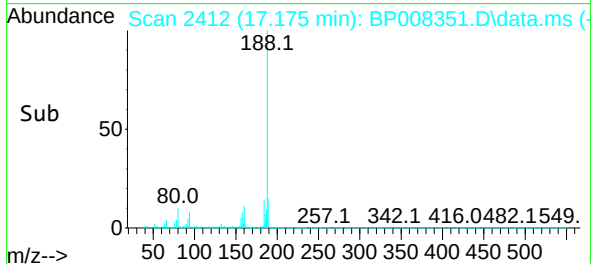
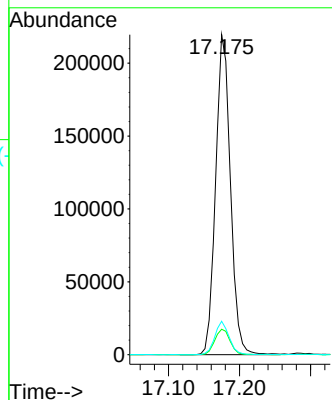
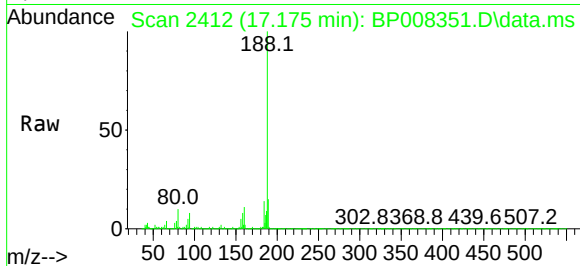




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.175 min Scan# 2419  
Delta R.T. -0.006 min  
Lab File: BP008351.D  
Acq: 10 Dec 2021 21:07

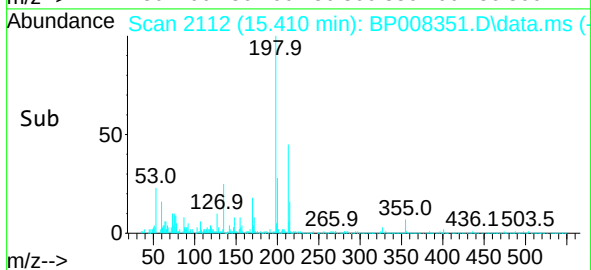
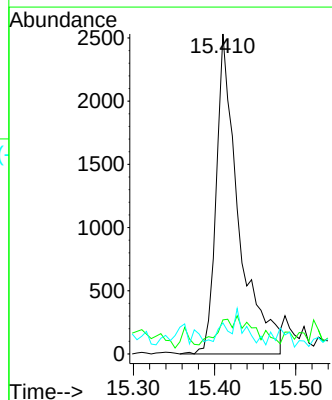
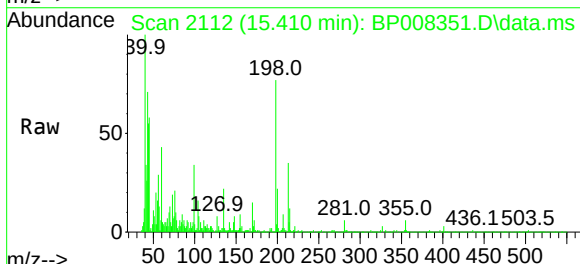
Instrument :  
BNA\_P  
ClientSampleId :  
RED-CONCRETE-COMP-EXTERIOR

Tgt Ion:188 Resp: 317064  
Ion Ratio Lower Upper  
188 100  
94 7.9 7.2 10.8  
80 10.4 8.2 12.4

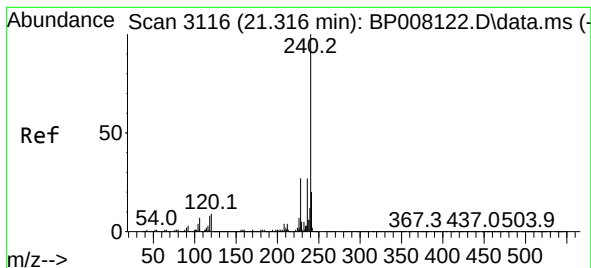


#65  
4,6-Dinitro-2-methylphenol  
Concen: 2.340 ng  
RT: 15.410 min Scan# 2112  
Delta R.T. -0.170 min  
Lab File: BP008351.D  
Acq: 10 Dec 2021 21:07

Tgt Ion:198 Resp: 4853  
Ion Ratio Lower Upper  
198 100  
51 10.7 25.9 65.9#  
105 9.7 20.2 60.2#







#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.286 min Scan# 3116

Delta R.T. 0.000 min

Lab File: BP008351.D

Acq: 10 Dec 2021 21:07

Instrument :

BNA\_P

ClientSampleId :

RED-CONCRETE-COMP-EXTERIOR

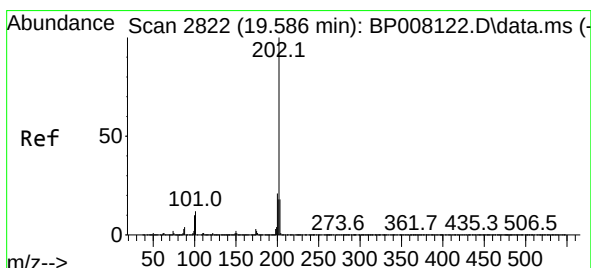
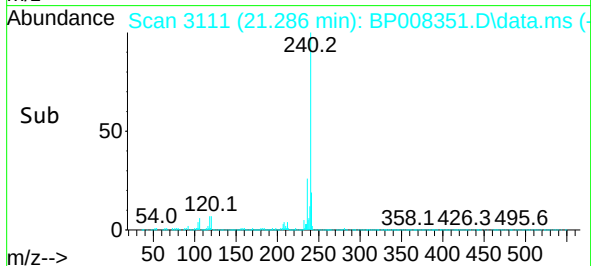
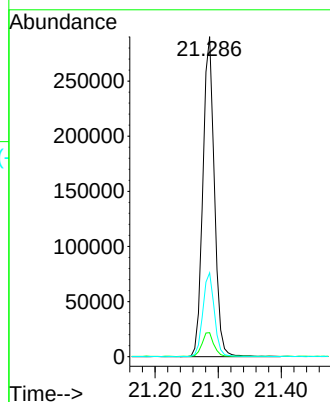
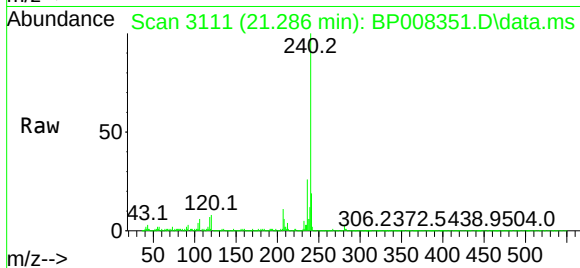
Tgt Ion:240 Resp: 367762

Ion Ratio Lower Upper

240 100

120 7.5 7.3 10.9

236 26.2 21.4 32.2



#78

Pyrene

Concen: Below Cal

RT: 19.557 min Scan# 2817

Delta R.T. 0.000 min

Lab File: BP008351.D

Acq: 10 Dec 2021 21:07

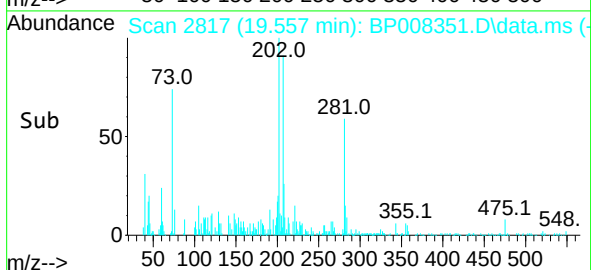
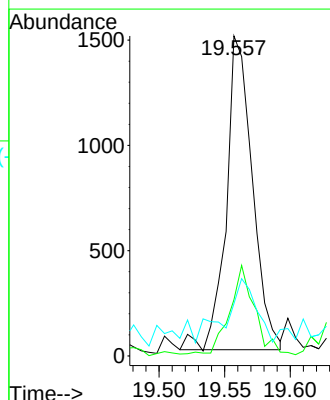
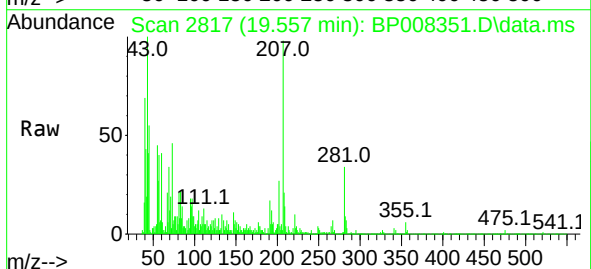
Tgt Ion:202 Resp: 2077

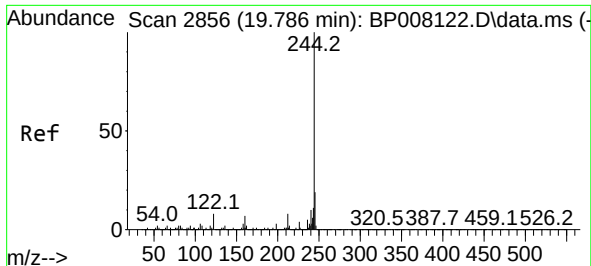
Ion Ratio Lower Upper

202 100

200 17.6 17.1 25.7

203 16.3 14.2 21.2

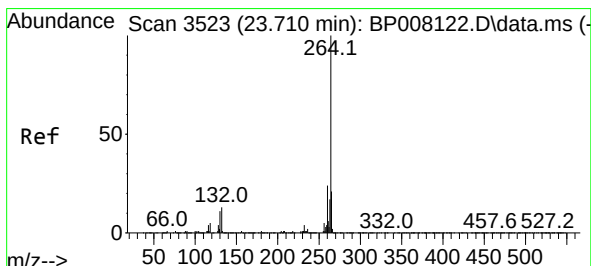
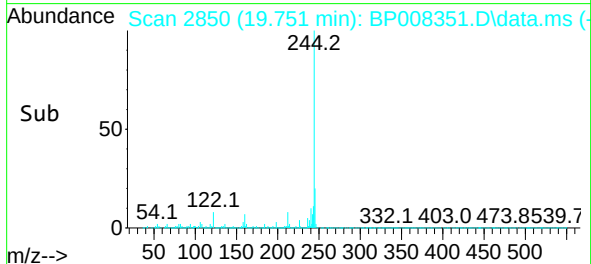
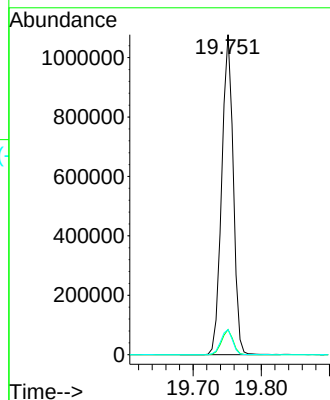
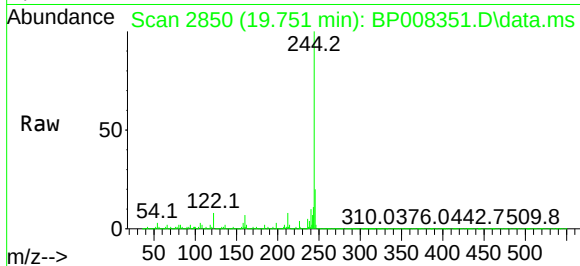




#79  
 Terphenyl-d14  
 Concen: 71.926 ng  
 RT: 19.751 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BP008351.D  
 Acq: 10 Dec 2021 21:07

Instrument :  
 BNA\_P  
 ClientSampleId :  
 RED-CONCRETE-COMP-EXTERIOR

Tgt Ion:244 Resp: 1265670  
 Ion Ratio Lower Upper  
 244 100  
 212 7.8 6.0 9.0  
 122 7.8 6.6 9.8



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.669 min Scan# 3516  
 Delta R.T. -0.006 min  
 Lab File: BP008351.D  
 Acq: 10 Dec 2021 21:07

Tgt Ion:264 Resp: 404656  
 Ion Ratio Lower Upper  
 264 100  
 260 24.9 19.4 29.2  
 265 22.9 17.6 26.4

