

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110620\  
 Data File : BP003836.D  
 Acq On : 06 Nov 2020 12:30  
 Operator : CG/JU  
 Sample : L4521-04DL 5X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 B-3DL

Quant Time: Nov 06 15:31:23 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP110320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 06 11:33:14 2020  
 Response via : Initial Calibration

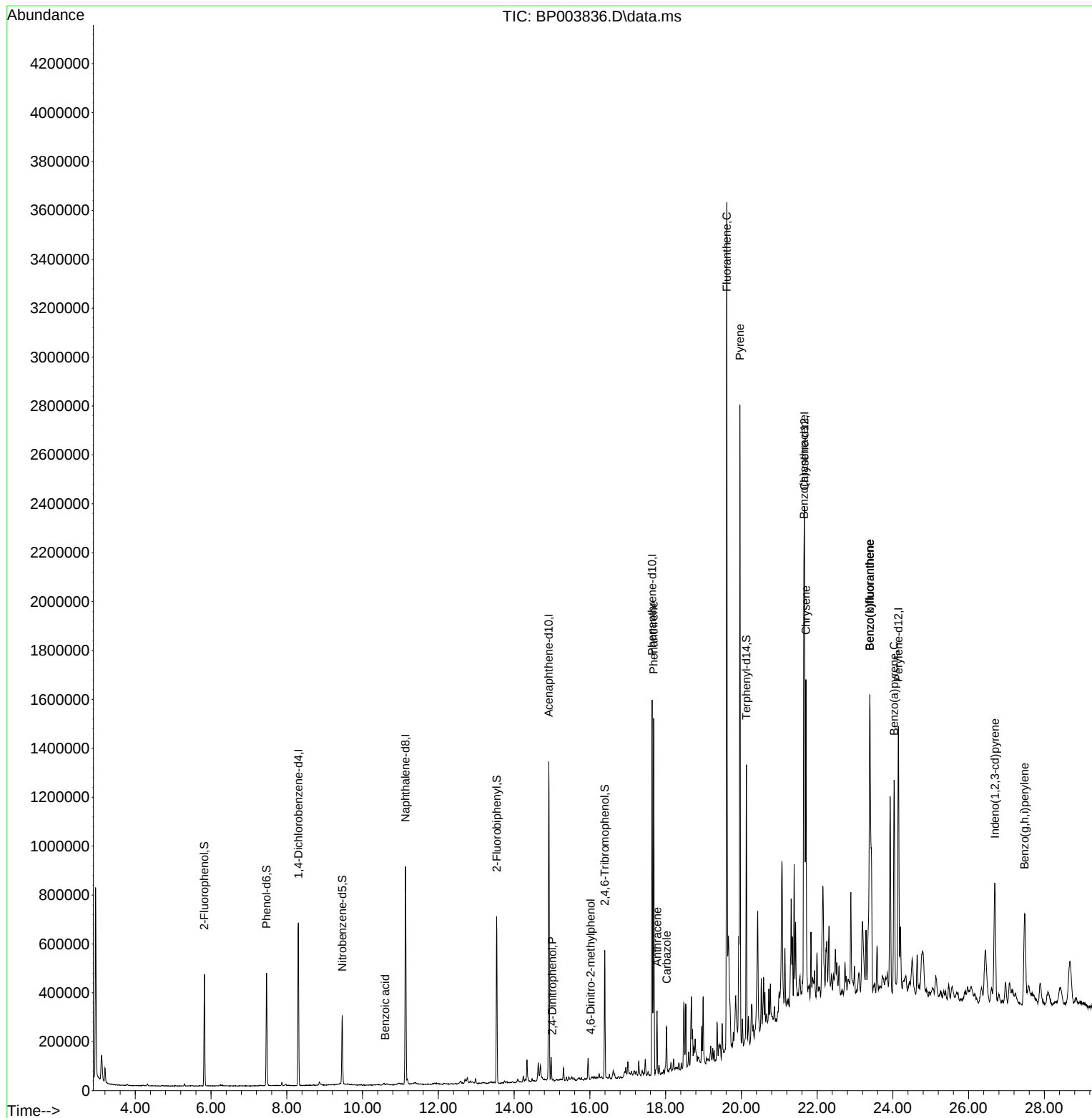
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.305  | 152  | 176873   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.134 | 136  | 708828   | 20.00     | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.916 | 164  | 438687   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.645 | 188  | 906883   | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12              | 21.669 | 240  | 818144   | 20.00     | ng    | 0.00     |
| 86) Perylene-d12              | 24.145 | 264  | 843797   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.822  | 112  | 189443   | 17.88     | ng    | 0.00     |
| 7) Phenol-d6                  | 7.463  | 99   | 248802   | 16.35     | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.463  | 82   | 157464   | 10.88     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.392 | 330  | 92557    | 16.87     | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.540 | 172  | 343699   | 10.95     | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.133 | 244  | 416607   | 9.84      | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 7.405  | 77   | 391      | Below Cal | #     | 55       |
| 32) Benzoic acid              | 10.599 | 122  | 534      | 8.37      | ng    | 86       |
| 54) 2,4-Dinitrophenol         | 15.004 | 184  | 63       | 2.76      | ng    | # 1      |
| 65) 4,6-Dinitro-2-methylph... | 16.022 | 198  | 14       | 6.34      | ng    | # 1      |
| 71) Phenanthrene              | 17.686 | 178  | 843882   | 16.58     | ng    | 99       |
| 72) Anthracene                | 17.775 | 178  | 154101   | 3.13      | ng    | 98       |
| 73) Carbazole                 | 18.028 | 167  | 117327   | 2.57      | ng    | 98       |
| 75) Fluoranthene              | 19.616 | 202  | 1885025  | 32.10     | ng    | 99       |
| 78) Pyrene                    | 19.963 | 202  | 1571147  | 28.30     | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.651 | 228  | 738584   | 13.69     | ng    | 98       |
| 83) Chrysene                  | 21.704 | 228  | 775302   | 14.96     | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.692 | 276  | 511382   | 8.40      | ng    | # 94     |
| 88) Benzo(b)fluoranthene      | 23.392 | 252  | 1368936  | 24.79     | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.392 | 252  | 1369112  | 25.11     | ng    | 100      |
| 90) Benzo(a)pyrene            | 24.033 | 252  | 692867   | 13.55     | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 27.480 | 276  | 511513   | 10.42     | ng    | 98       |
| -----                         |        |      |          |           |       |          |

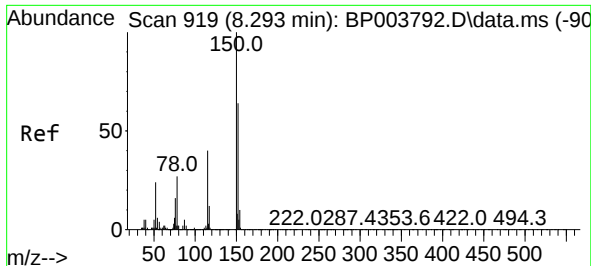
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110620\  
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Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampled :  
B-3DL

Quant Time: Nov 06 15:31:23 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP110320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 06 11:33:14 2020  
Response via : Initial Calibration

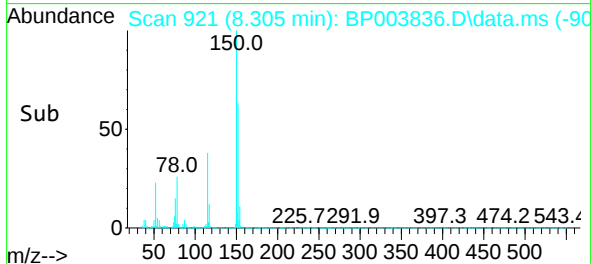
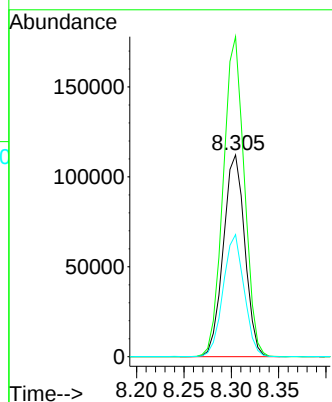
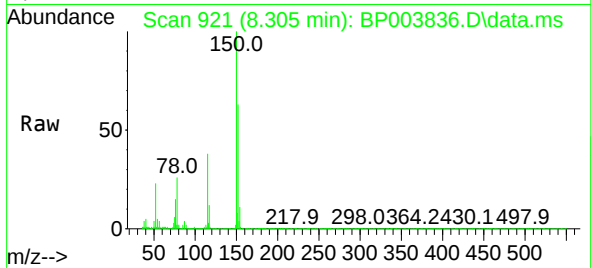




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.305 min Scan# 921  
Delta R.T. -0.000 min  
Lab File: BP003836.D  
Acq: 06 Nov 2020 12:30

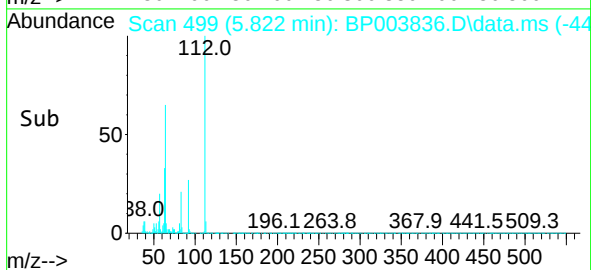
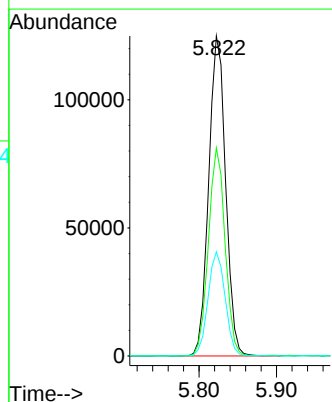
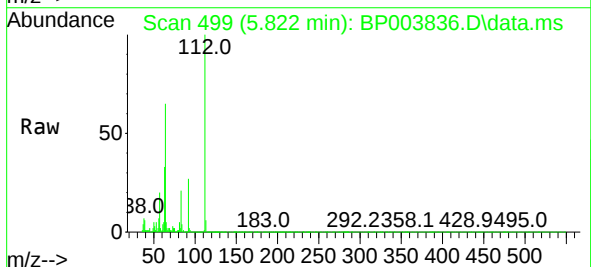
Instrument :  
BNA\_P  
ClientSampleId :  
B-3DL

Tgt Ion:152 Resp: 176873  
Ion Ratio Lower Upper  
152 100  
150 158.6 123.8 185.6  
115 60.5 43.8 65.6



#5  
2-Fluorophenol  
Concen: 17.88 ng  
RT: 5.822 min Scan# 499  
Delta R.T. -0.000 min  
Lab File: BP003836.D  
Acq: 06 Nov 2020 12:30

Tgt Ion:112 Resp: 189443  
Ion Ratio Lower Upper  
112 100  
64 65.0 32.8 49.2#  
63 32.5 17.0 25.4#

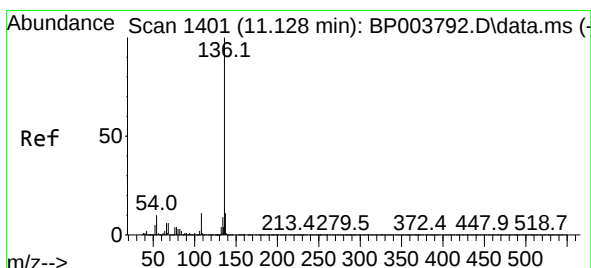
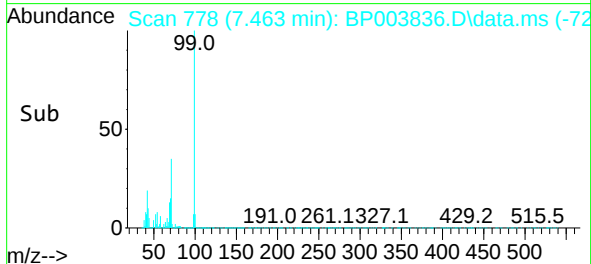
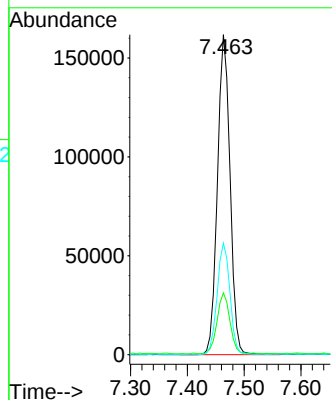
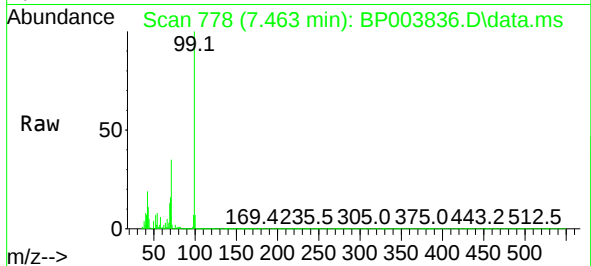




#7  
Phenol-d6  
Concen: 16.35 ng  
RT: 7.463 min Scan# 778  
Delta R.T. -0.006 min  
Lab File: BP003836.D  
Acq: 06 Nov 2020 12:30

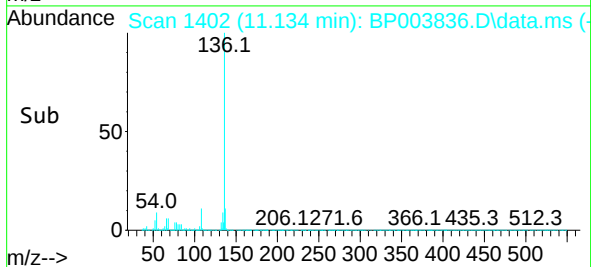
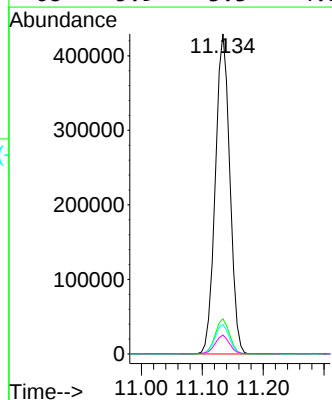
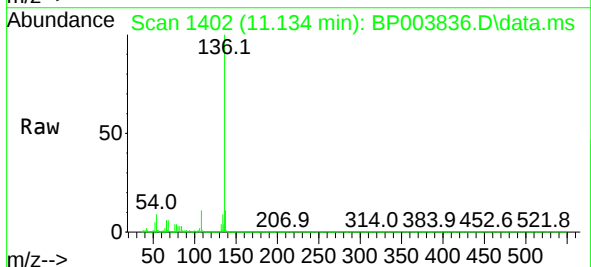
Instrument :  
BNA\_P  
ClientSampleId :  
B-3DL

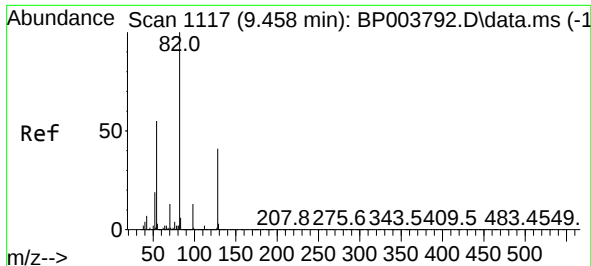
Tgt Ion: 99 Resp: 248802  
Ion Ratio Lower Upper  
99 100  
42 19.3 8.6 13.0#  
71 34.9 23.4 35.2



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.134 min Scan# 1402  
Delta R.T. -0.000 min  
Lab File: BP003836.D  
Acq: 06 Nov 2020 12:30

Tgt Ion: 136 Resp: 708828  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 13.0  
54 9.2 3.6 5.4#  
68 5.9 3.3 4.9#

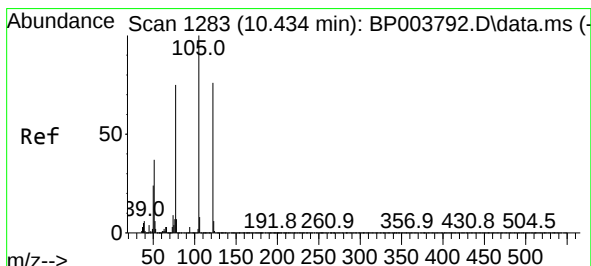
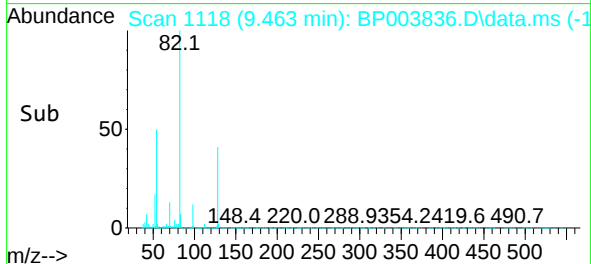
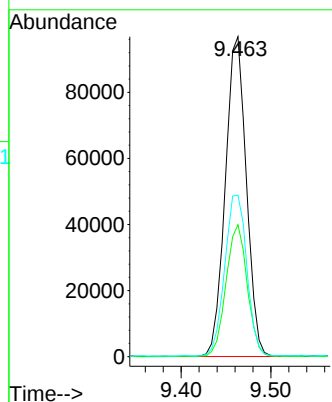
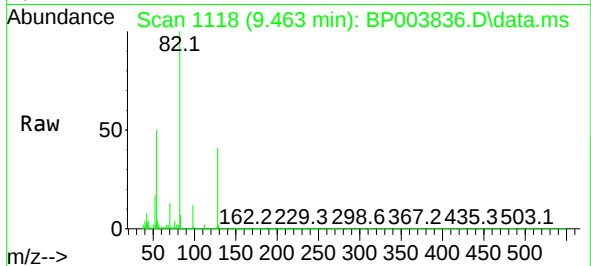




#23  
Nitrobenzene-d5  
Concen: 10.88 ng  
RT: 9.463 min Scan# 1118  
Delta R.T. -0.006 min  
Lab File: BP003836.D  
Acq: 06 Nov 2020 12:30

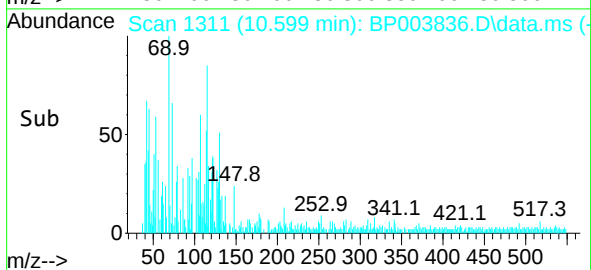
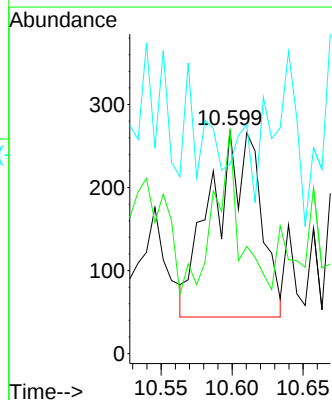
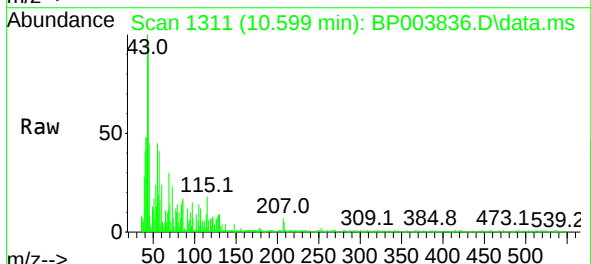
Instrument :  
BNA\_P  
ClientSampled :  
B-3DL

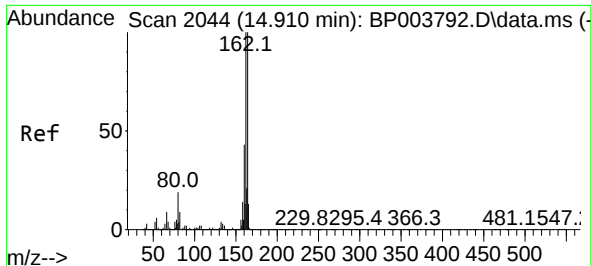
Tgt Ion: 82 Resp: 157464  
Ion Ratio Lower Upper  
82 100  
128 41.2 45.6 68.4#  
54 50.5 30.1 45.1#



#32  
Benzoic acid  
Concen: 8.37 ng  
RT: 10.599 min Scan# 1311  
Delta R.T. 0.147 min  
Lab File: BP003836.D  
Acq: 06 Nov 2020 12:30

Tgt Ion: 122 Resp: 534  
Ion Ratio Lower Upper  
122 100  
105 100.7 94.1 134.1  
77 84.8 50.1 90.1

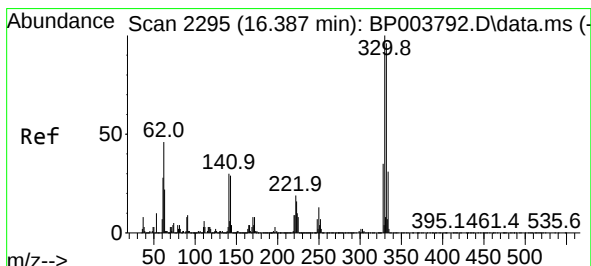
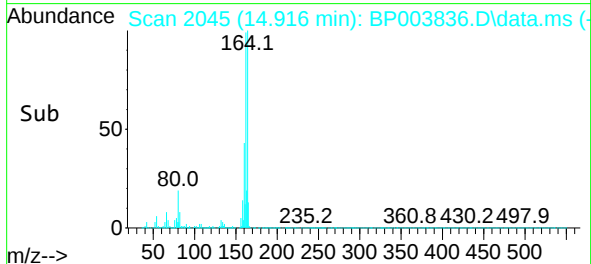
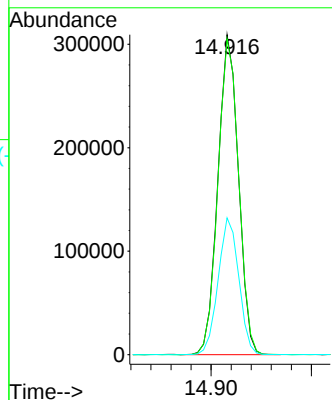
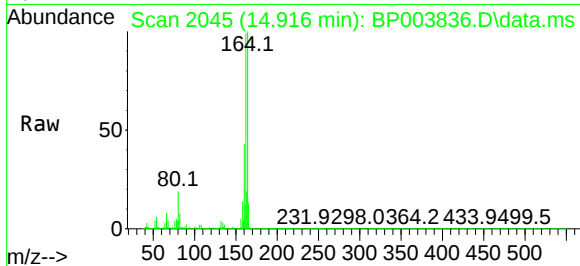




#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.916 min Scan# 2045  
Delta R.T. -0.000 min  
Lab File: BP003836.D  
Acq: 06 Nov 2020 12:30

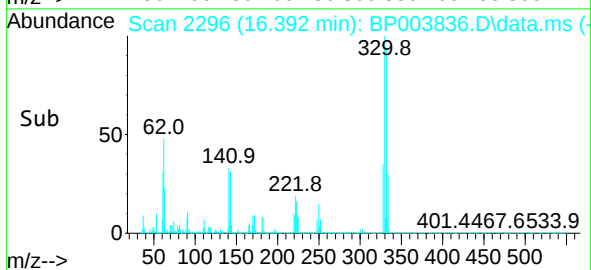
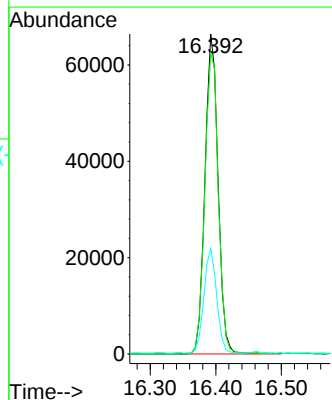
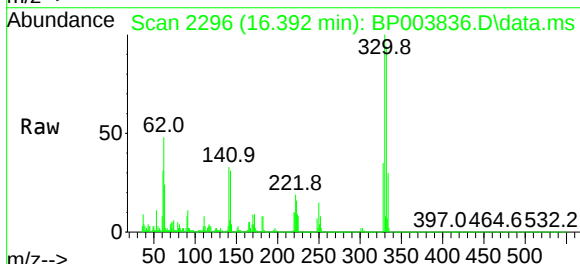
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ClientSampleId :  
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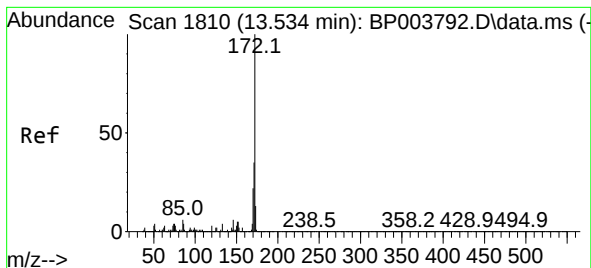
Tgt Ion:164 Resp: 438687  
Ion Ratio Lower Upper  
164 100  
162 98.7 79.4 119.2  
160 42.8 36.1 54.1



#42  
2,4,6-Tribromophenol  
Concen: 16.87 ng  
RT: 16.392 min Scan# 2296  
Delta R.T. -0.006 min  
Lab File: BP003836.D  
Acq: 06 Nov 2020 12:30

Tgt Ion:330 Resp: 92557  
Ion Ratio Lower Upper  
330 100  
332 96.9 77.1 115.7  
141 31.8 23.4 35.2

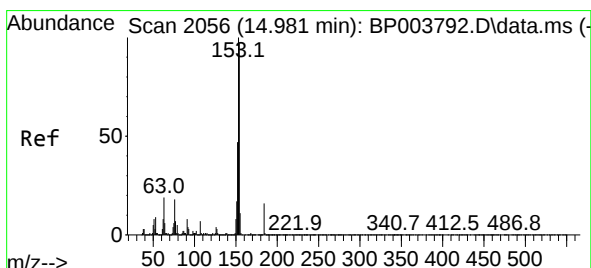
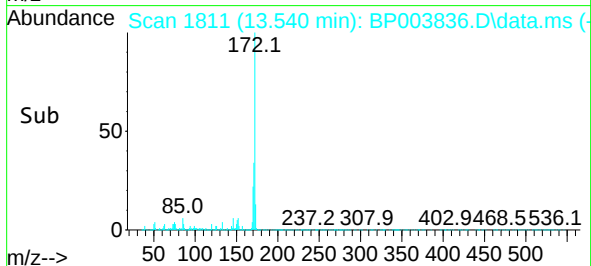
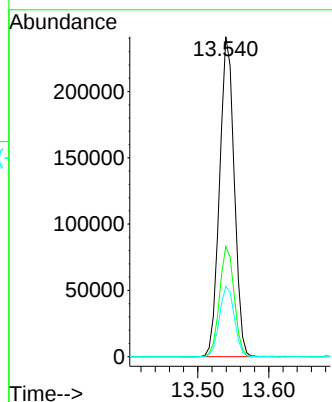
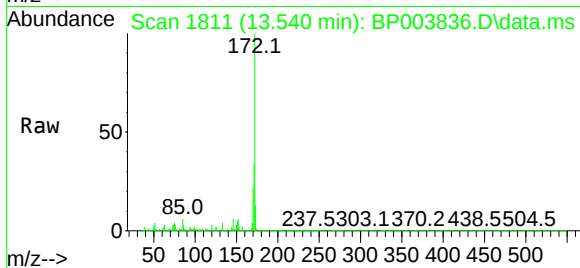




#45  
2-Fluorobiphenyl  
Concen: 10.95 ng  
RT: 13.540 min Scan# 1811  
Delta R.T. -0.006 min  
Lab File: BP003836.D  
Acq: 06 Nov 2020 12:30

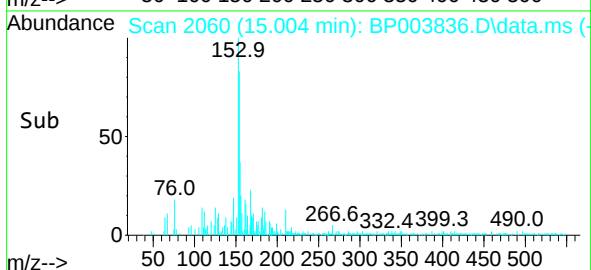
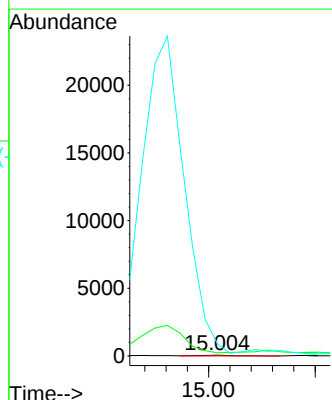
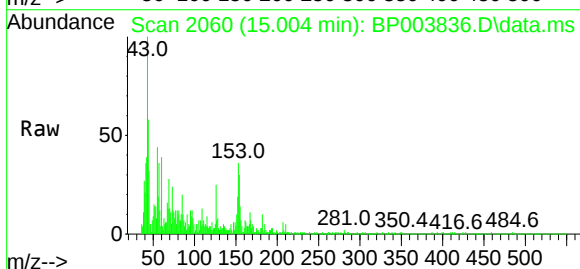
Instrument :  
BNA\_P  
ClientSampleId :  
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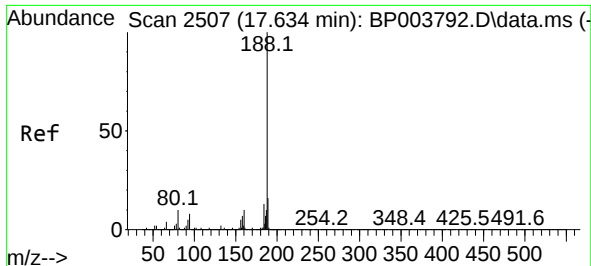
Tgt Ion:172 Resp: 343699  
Ion Ratio Lower Upper  
172 100  
171 34.5 28.5 42.7  
170 22.0 19.2 28.8



#54  
2,4-Dinitrophenol  
Concen: 2.76 ng  
RT: 15.004 min Scan# 2060  
Delta R.T. 0.006 min  
Lab File: BP003836.D  
Acq: 06 Nov 2020 12:30

Tgt Ion:184 Resp: 63  
Ion Ratio Lower Upper  
184 100  
63 383.9 32.3 48.5#  
154 1427.4 49.1 73.7#

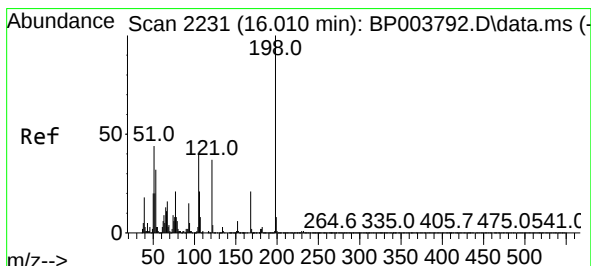
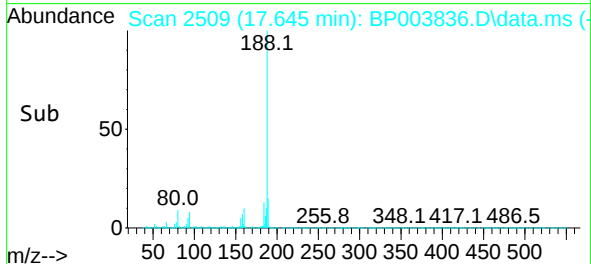
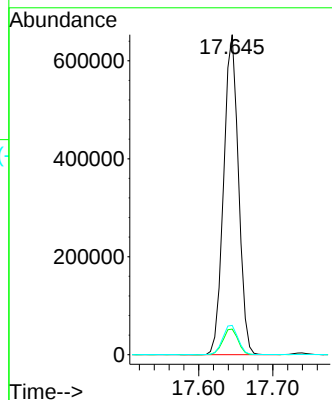
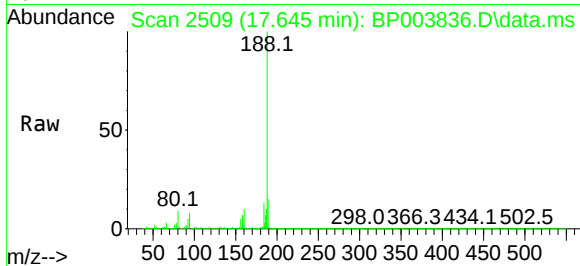




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.645 min Scan# 2509  
Delta R.T. -0.000 min  
Lab File: BP003836.D  
Acq: 06 Nov 2020 12:30

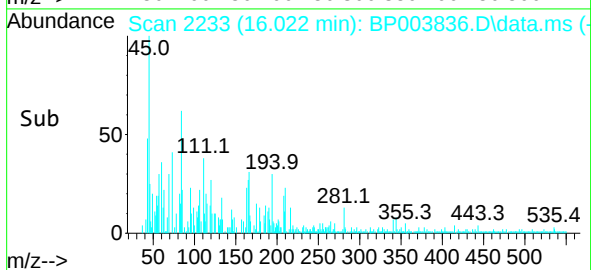
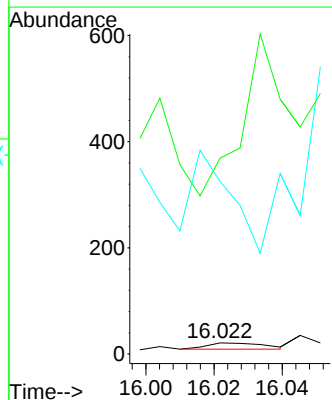
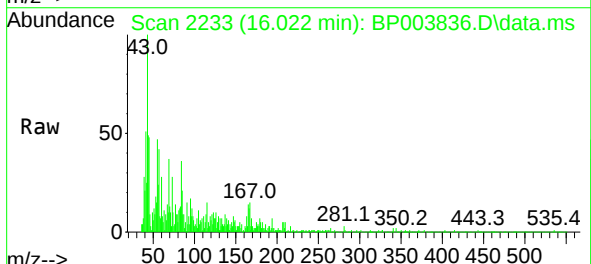
Instrument :  
BNA\_P  
ClientSampleId :  
B-3DL

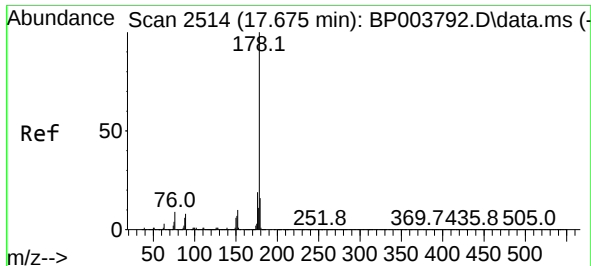
Tgt Ion:188 Resp: 906883  
Ion Ratio Lower Upper  
188 100  
94 8.0 6.2 9.2  
80 9.2 6.2 9.2



#65  
4,6-Dinitro-2-methylphenol  
Concen: 6.34 ng  
RT: 16.022 min Scan# 2233  
Delta R.T. -0.000 min  
Lab File: BP003836.D  
Acq: 06 Nov 2020 12:30

Tgt Ion:198 Resp: 14  
Ion Ratio Lower Upper  
198 100  
51 1757.1 6.4 46.4#  
105 1547.6 18.9 58.9#

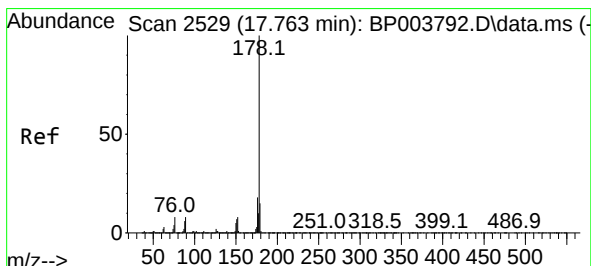
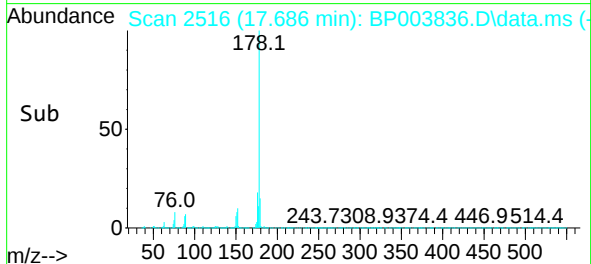
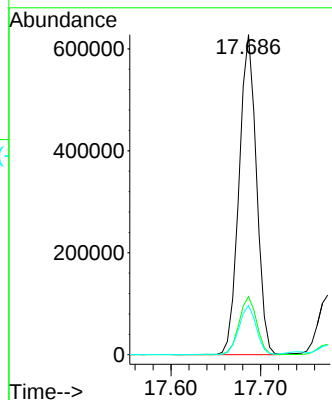
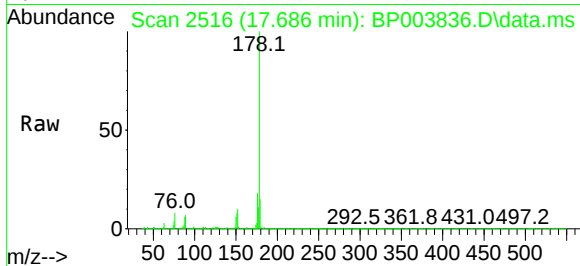




#71  
Phenanthrene  
Concen: 16.58 ng  
RT: 17.686 min Scan# 2516  
Delta R.T. -0.000 min  
Lab File: BP003836.D  
Acq: 06 Nov 2020 12:30

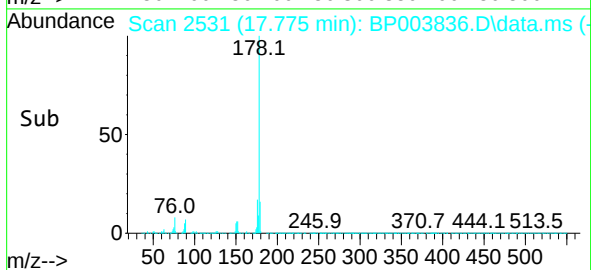
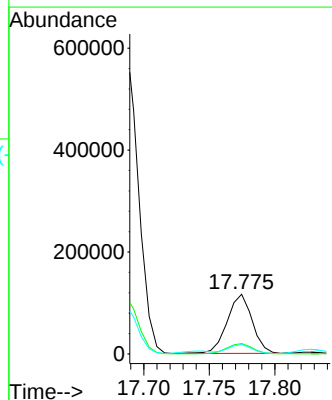
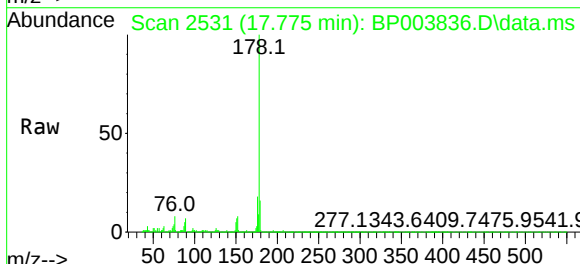
Instrument :  
BNA\_P  
ClientSampleId :  
B-3DL

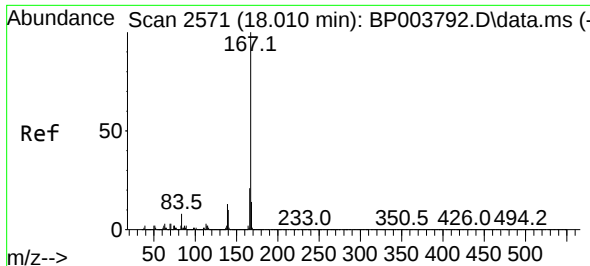
Tgt Ion:178 Resp: 843882  
Ion Ratio Lower Upper  
178 100  
176 18.1 15.3 22.9  
179 15.4 12.5 18.7



#72  
Anthracene  
Concen: 3.13 ng  
RT: 17.775 min Scan# 2531  
Delta R.T. -0.000 min  
Lab File: BP003836.D  
Acq: 06 Nov 2020 12:30

Tgt Ion:178 Resp: 154101  
Ion Ratio Lower Upper  
178 100  
176 17.6 15.0 22.4  
179 15.9 12.5 18.7

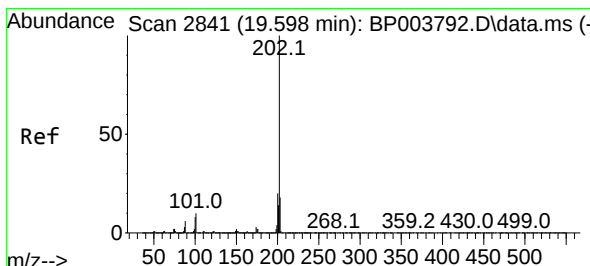
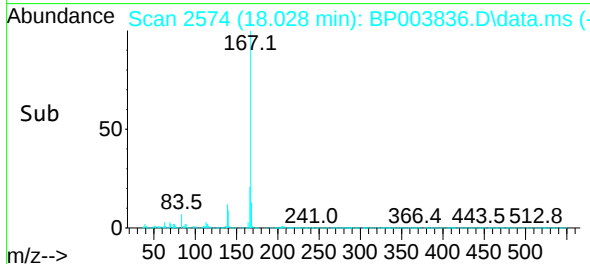
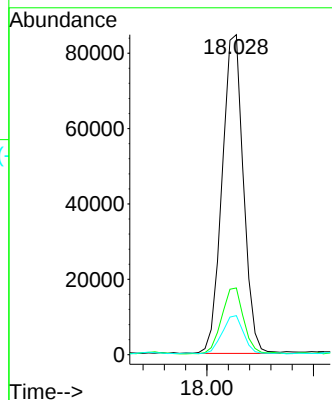
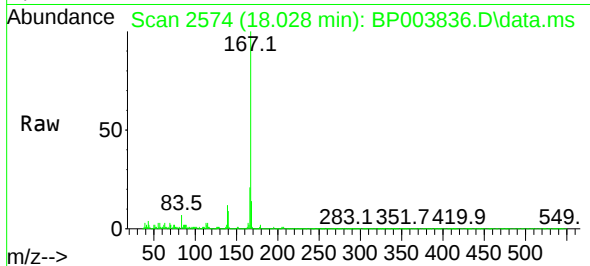




#73  
 Carbazole  
 Concen: 2.57 ng  
 RT: 18.028 min Scan# 2574  
 Delta R.T. -0.000 min  
 Lab File: BP003836.D  
 Acq: 06 Nov 2020 12:30

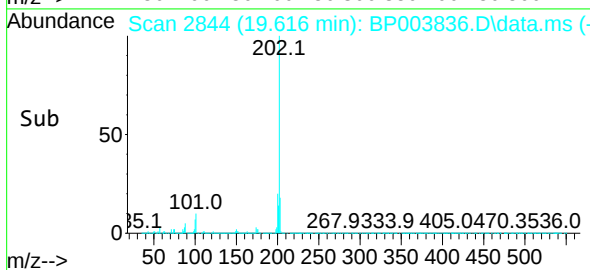
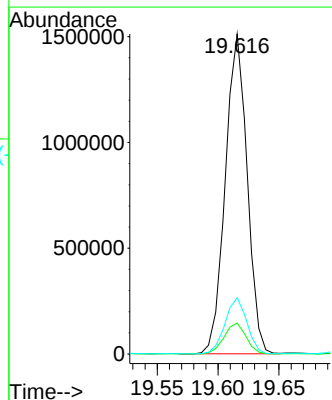
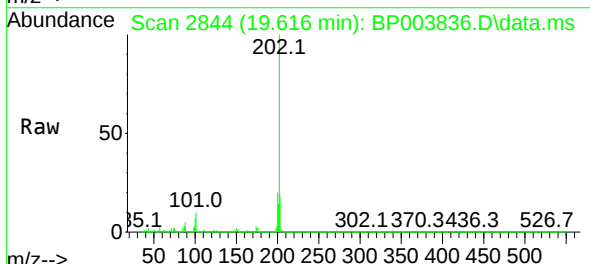
Instrument :  
 BNA\_P  
 ClientSampled :  
 B-3DL

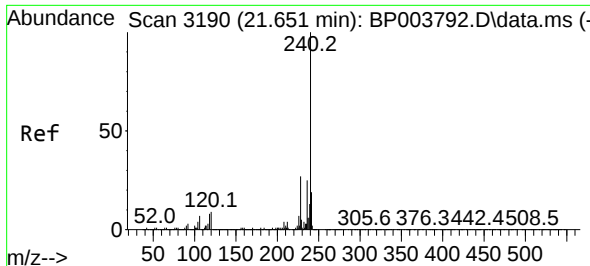
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:167 | Resp: | 117327    |
| Ion Ratio   | Lower | Upper     |
| 167         | 100   |           |
| 166         | 20.9  | 17.6 26.4 |
| 139         | 12.2  | 10.2 15.4 |



#75  
 Fluoranthene  
 Concen: 32.10 ng  
 RT: 19.616 min Scan# 2844  
 Delta R.T. -0.000 min  
 Lab File: BP003836.D  
 Acq: 06 Nov 2020 12:30

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:202 | Resp: | 1885025  |
| Ion Ratio   | Lower | Upper    |
| 202         | 100   |          |
| 101         | 9.6   | 0.0 29.4 |
| 203         | 17.6  | 0.0 37.8 |

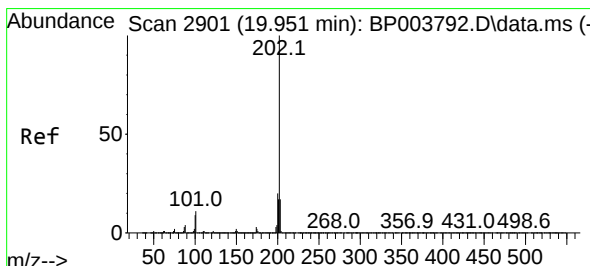
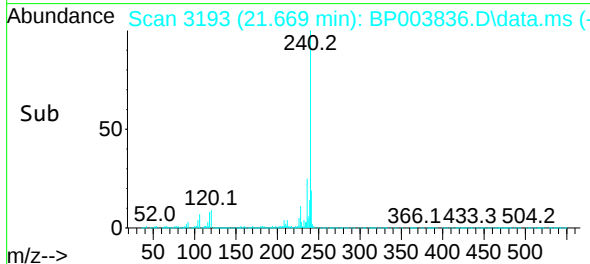
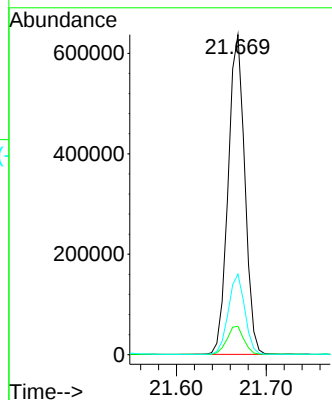
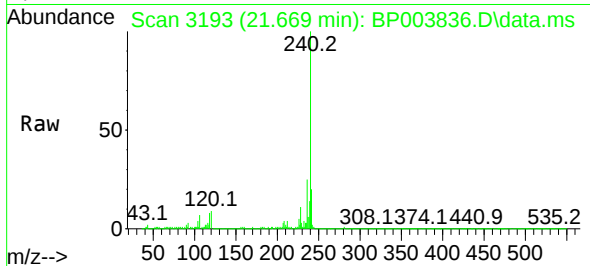




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.669 min Scan# 3193  
Delta R.T. -0.000 min  
Lab File: BP003836.D  
Acq: 06 Nov 2020 12:30

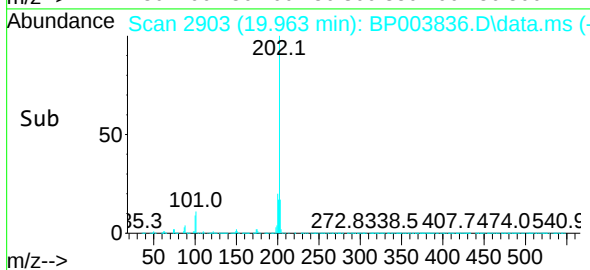
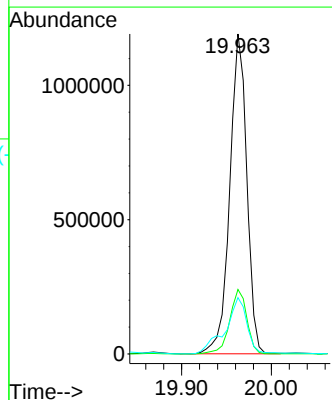
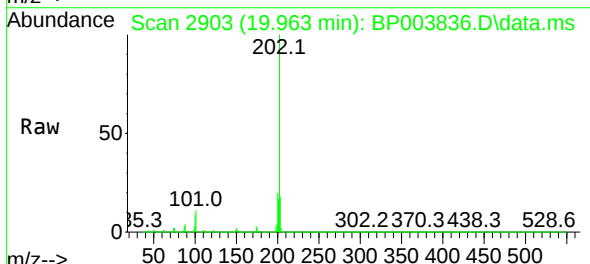
Instrument :  
BNA\_P  
ClientSampleId :  
B-3DL

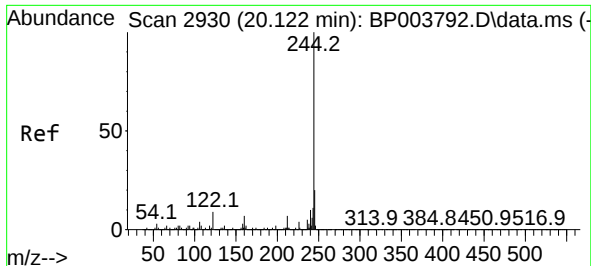
Tgt Ion:240 Resp: 818144  
Ion Ratio Lower Upper  
240 100  
120 8.8 7.8 11.6  
236 25.1 20.8 31.2



#78  
Pyrene  
Concen: 28.30 ng  
RT: 19.963 min Scan# 2903  
Delta R.T. -0.000 min  
Lab File: BP003836.D  
Acq: 06 Nov 2020 12:30

Tgt Ion:202 Resp: 1571147  
Ion Ratio Lower Upper  
202 100  
200 20.1 17.1 25.7  
203 17.6 14.2 21.2

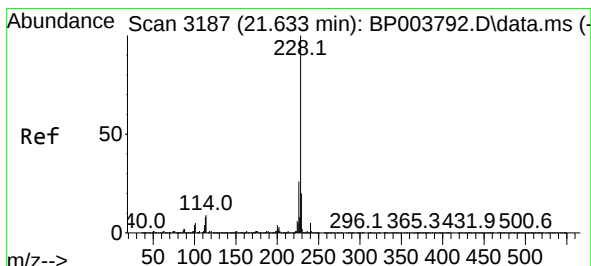
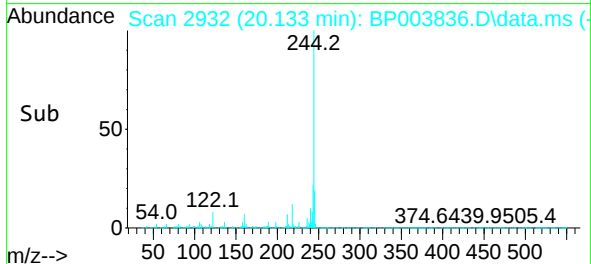
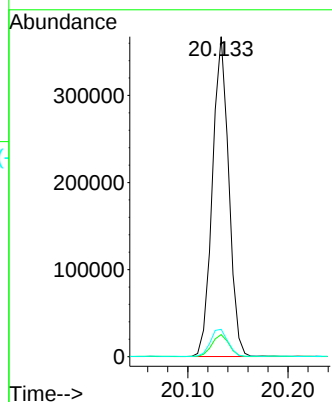
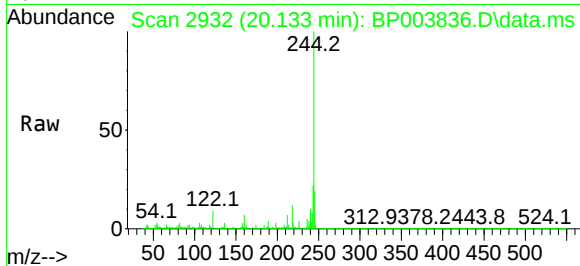




#79  
 Terphenyl-d14  
 Concen: 9.84 ng  
 RT: 20.133 min Scan# 2932  
 Delta R.T. -0.000 min  
 Lab File: BP003836.D  
 Acq: 06 Nov 2020 12:30

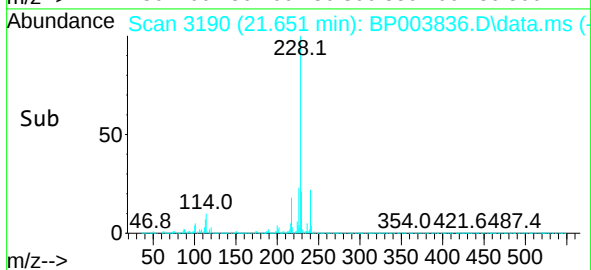
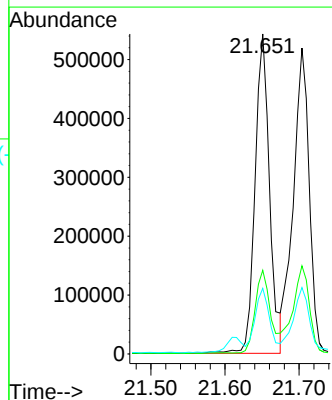
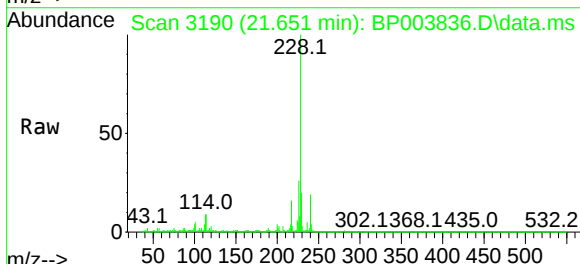
Instrument :  
 BNA\_P  
 ClientSampleId :  
 B-3DL

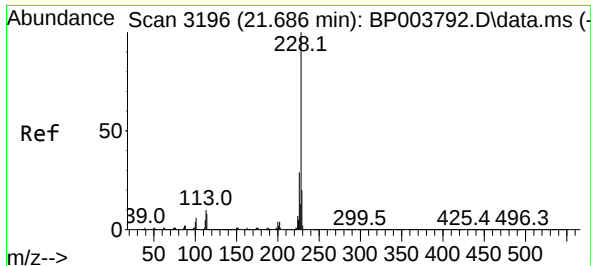
Tgt Ion:244 Resp: 416607  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.8 8.6  
 122 8.5 7.8 11.8



#81  
 Benzo(a)anthracene  
 Concen: 13.69 ng  
 RT: 21.651 min Scan# 3190  
 Delta R.T. -0.000 min  
 Lab File: BP003836.D  
 Acq: 06 Nov 2020 12:30

Tgt Ion:228 Resp: 738584  
 Ion Ratio Lower Upper  
 228 100  
 226 26.1 22.1 33.1  
 229 20.5 15.9 23.9

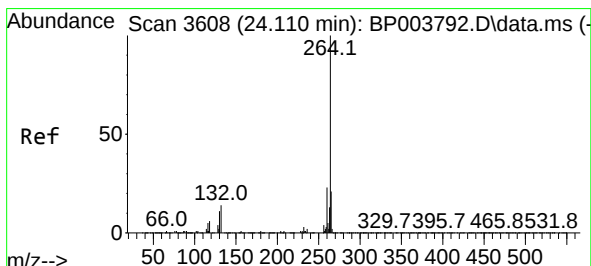
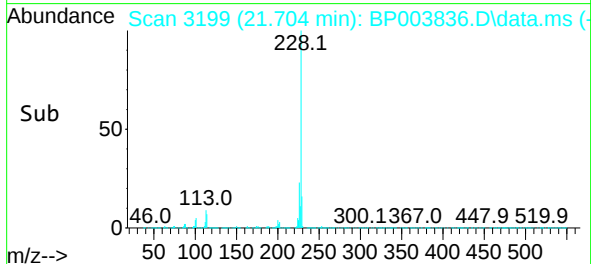
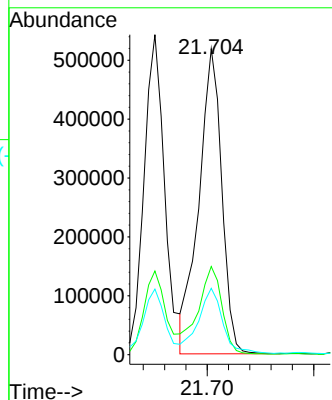
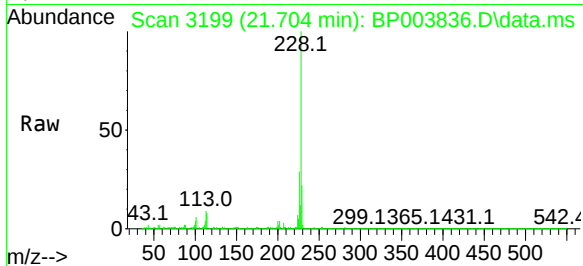




#83  
Chrysene  
Concen: 14.96 ng  
RT: 21.704 min Scan# 3199  
Delta R.T. -0.000 min  
Lab File: BP003836.D  
Acq: 06 Nov 2020 12:30

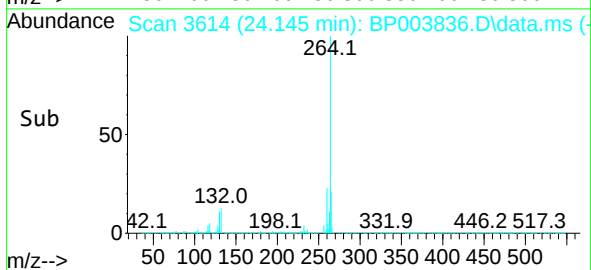
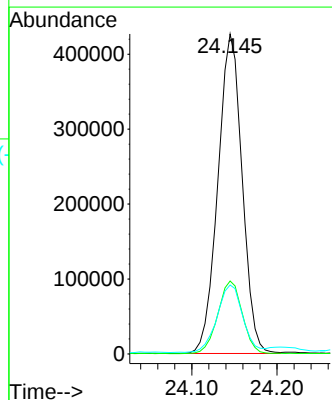
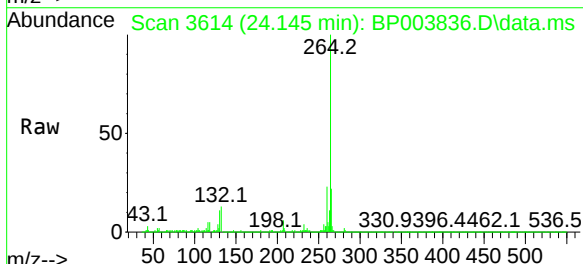
Instrument :  
BNA\_P  
ClientSampled :  
B-3DL

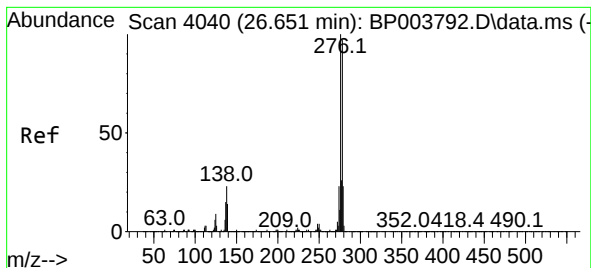
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 775302 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 28.8  | 24.4  | 36.6   |
| 229       | 21.7  | 15.8  | 23.6   |



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 24.145 min Scan# 3614  
Delta R.T. -0.000 min  
Lab File: BP003836.D  
Acq: 06 Nov 2020 12:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 843797 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 22.8  | 18.8  | 28.2   |
| 265       | 21.5  | 17.4  | 26.2   |





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.40 ng

RT: 26.692 min Scan# 4047

Delta R.T. -0.012 min

Lab File: BP003836.D

Acq: 06 Nov 2020 12:30

Instrument :

BNA\_P

ClientSampleId :

B-3DL

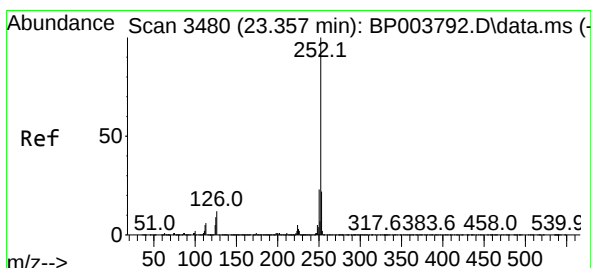
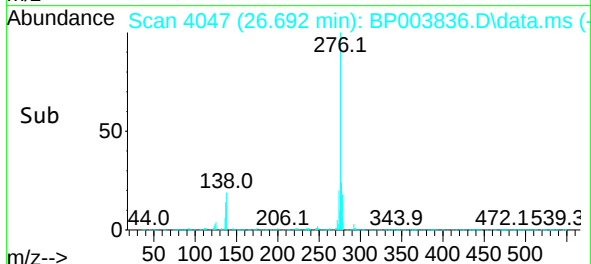
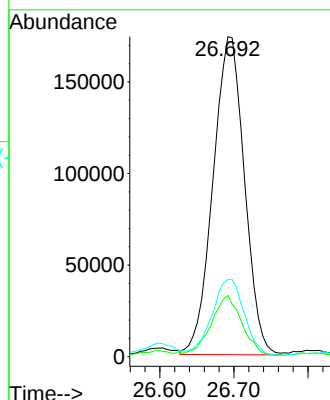
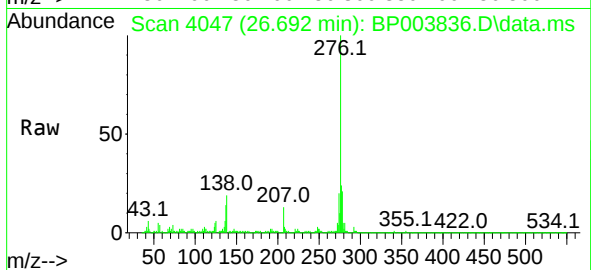
Tgt Ion:276 Resp: 511382

Ion Ratio Lower Upper

276 100

138 18.6 18.7 28.1#

277 24.5 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 24.79 ng

RT: 23.392 min Scan# 3486

Delta R.T. -0.000 min

Lab File: BP003836.D

Acq: 06 Nov 2020 12:30

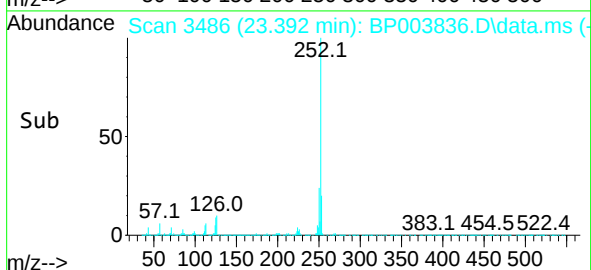
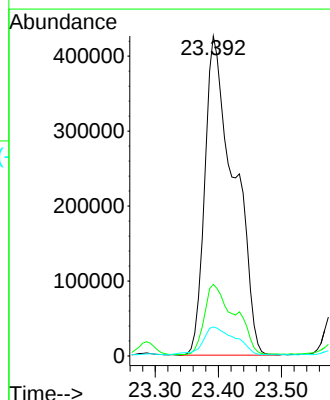
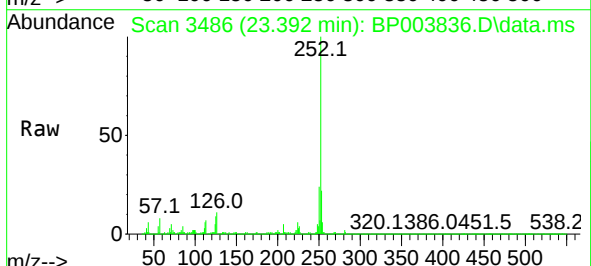
Tgt Ion:252 Resp: 1368936

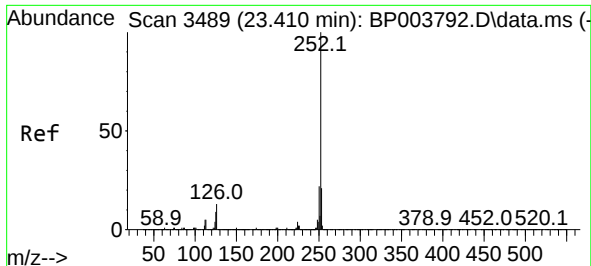
Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 9.0 7.3 10.9

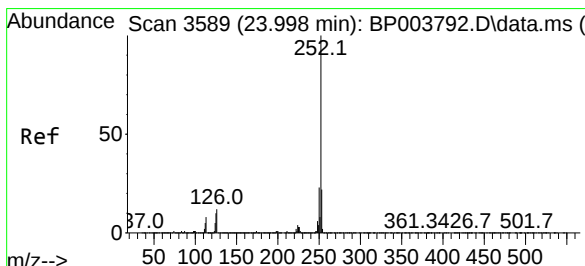
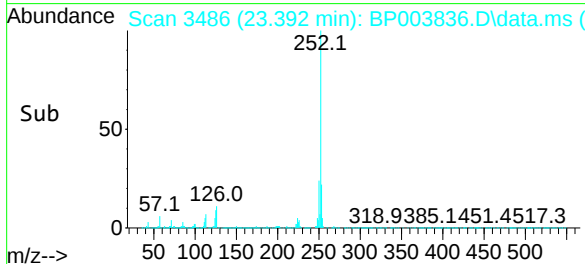
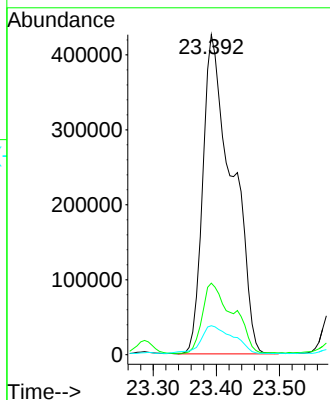
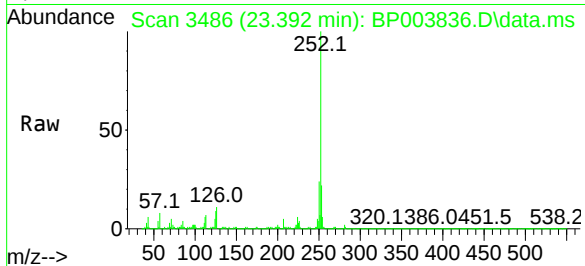




#89  
Benzo(k)fluoranthene  
Concen: 25.11 ng  
RT: 23.392 min Scan# 3486  
Delta R.T. -0.047 min  
Lab File: BP003836.D  
Acq: 06 Nov 2020 12:30

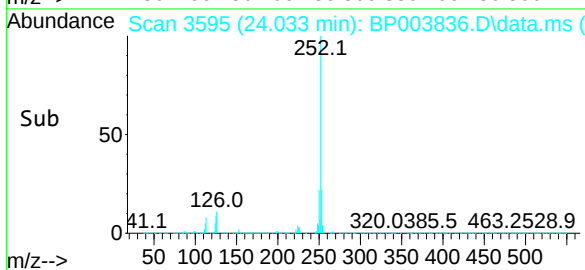
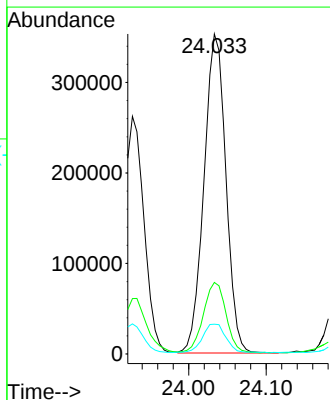
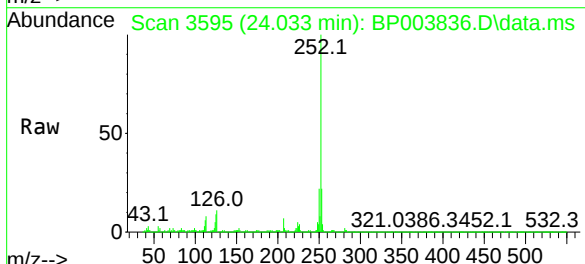
Instrument :  
BNA\_P  
ClientSampleId :  
B-3DL

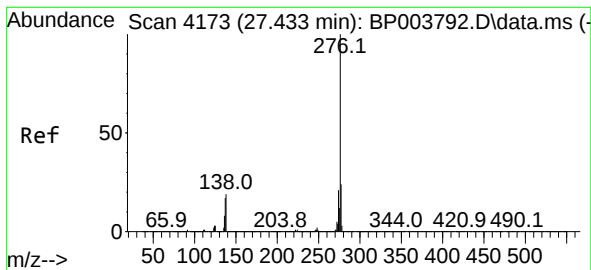
Tgt Ion:252 Resp: 1369112  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.8 26.8  
125 9.0 7.4 11.2



#90  
Benzo(a)pyrene  
Concen: 13.55 ng  
RT: 24.033 min Scan# 3595  
Delta R.T. -0.000 min  
Lab File: BP003836.D  
Acq: 06 Nov 2020 12:30

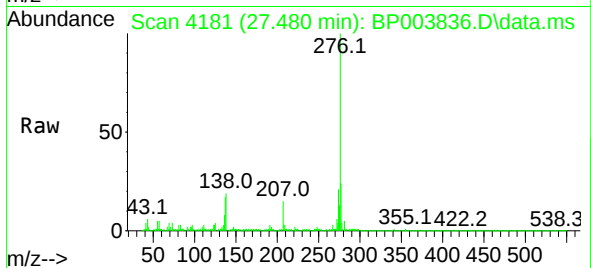
Tgt Ion:252 Resp: 692867  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.4 26.0  
125 9.3 8.2 12.4





#92  
Benzo(g,h,i)perylene  
Concen: 10.42 ng  
RT: 27.480 min Scan# 4181  
Delta R.T. -0.012 min  
Lab File: BP003836.D  
Acq: 06 Nov 2020 12:30

Instrument :  
BNA\_P  
ClientSampleId :  
B-3DL



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 511513 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 24.0  | 19.0  | 28.6   |
| 138       | 18.6  | 16.6  | 24.8   |

