

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP120220\  
 Data File : BP004130.D  
 Acq On : 02 Dec 2020 15:35  
 Operator : CG/JU  
 Sample : L4911-02  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SK-12-1-SPB

Quant Time: Dec 02 16:39:58 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270E-BP110320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 02 11:39:42 2020  
 Response via : Initial Calibration

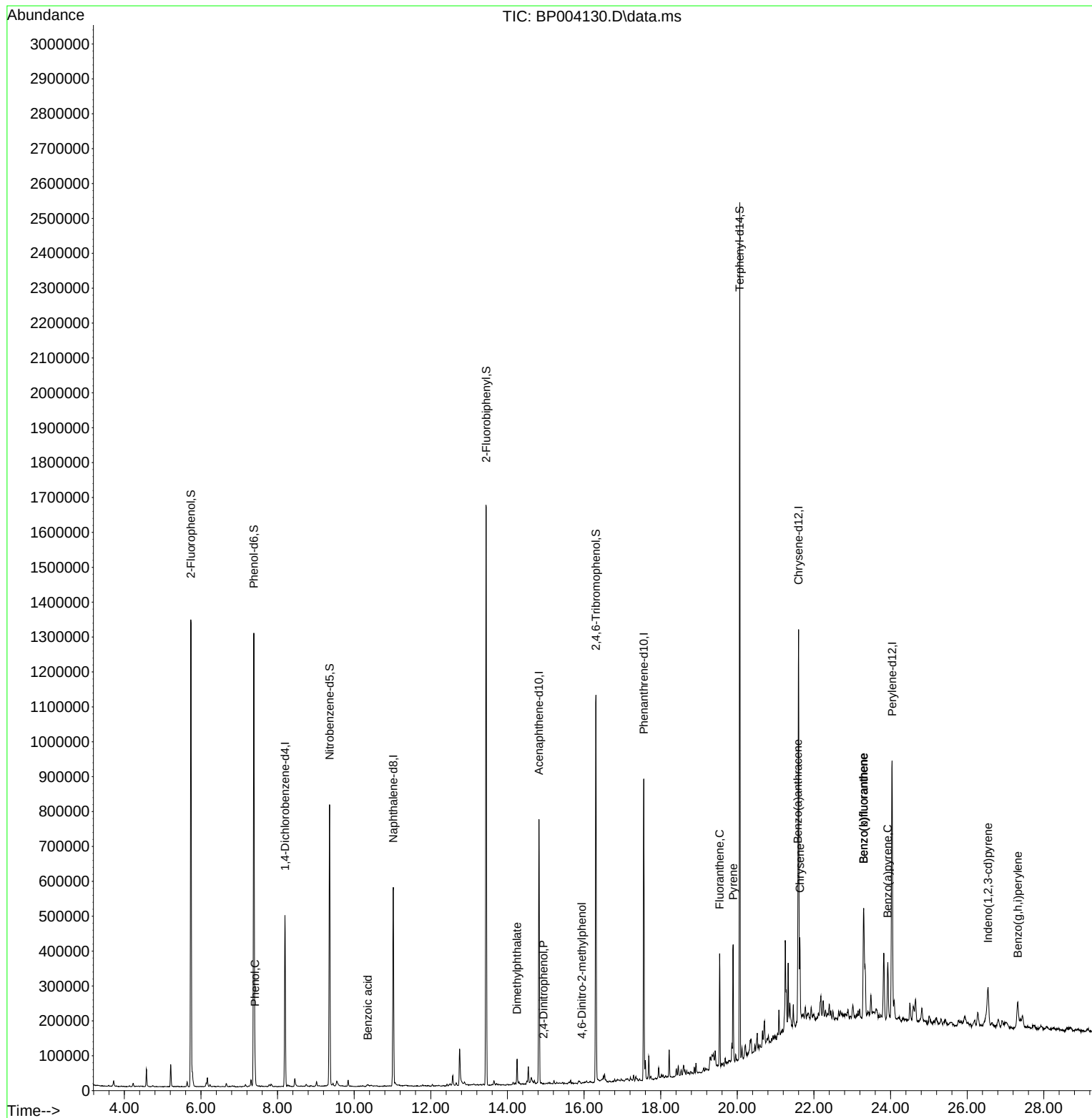
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.193  | 152  | 129051   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.022 | 136  | 458719   | 20.00     | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.822 | 164  | 252358   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.557 | 188  | 498674   | 20.00     | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.598 | 240  | 511850   | 20.00     | ng    | 0.00     |
| 86) Perylene-d12              | 24.039 | 264  | 567961   | 20.00     | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.740  | 112  | 556579   | 71.98     | ng    | 0.00     |
| 7) Phenol-d6                  | 7.381  | 99   | 683791   | 61.60     | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.358  | 82   | 443390   | 47.34     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.310 | 330  | 207147   | 65.63     | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.446 | 172  | 851506   | 47.17     | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.063 | 244  | 979010   | 36.95     | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 7.311  | 77   | 6769     | Below Cal | #     | 79       |
| 10) Phenol                    | 7.411  | 94   | 36369    | 3.40      | ng    | 84       |
| 32) Benzoic acid              | 10.357 | 122  | 2516     | 8.80      | ng    | # 73     |
| 50) Dimethylphthalate         | 14.251 | 163  | 43349    | 2.20      | ng    | # 98     |
| 54) 2,4-Dinitrophenol         | 14.940 | 184  | 6        | 2.73      | ng    | # 1      |
| 65) 4,6-Dinitro-2-methylph... | 15.945 | 198  | 17       | 6.35      | ng    | # 1      |
| 75) Fluoranthene              | 19.539 | 202  | 182921   | 5.66      | ng    | 98       |
| 78) Pyrene                    | 19.892 | 202  | 200095   | 5.76      | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.580 | 228  | 126708   | 3.75      | ng    | 98       |
| 83) Chrysene                  | 21.633 | 228  | 167166   | 5.15      | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.545 | 276  | 106006   | 2.59      | ng    | 95       |
| 88) Benzo(b)fluoranthene      | 23.298 | 252  | 360314   | 9.69      | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.298 | 252  | 360314   | 9.82      | ng    | 100      |
| 90) Benzo(a)pyrene            | 23.927 | 252  | 119181   | 3.46      | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 27.321 | 276  | 94903    | 2.87      | ng    | # 95     |
| -----                         |        |      |          |           |       |          |

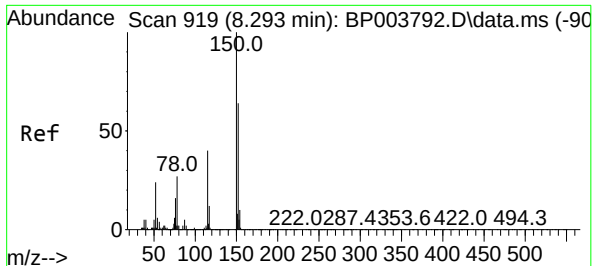
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP120220\  
Data File : BP004130.D  
Acq On : 02 Dec 2020 15:35  
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BNA\_P  
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SK-12-1-SPB

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270E-BP110320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 02 11:39:42 2020  
Response via : Initial Calibration

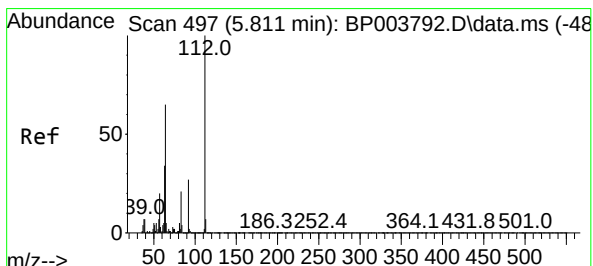
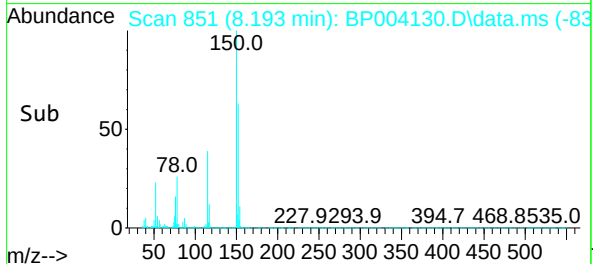
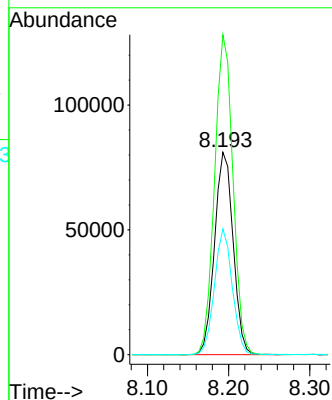
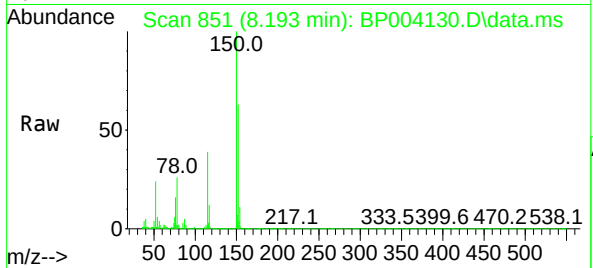




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.193 min Scan# 851  
Delta R.T. -0.000 min  
Lab File: BP004130.D  
Acq: 02 Dec 2020 15:35

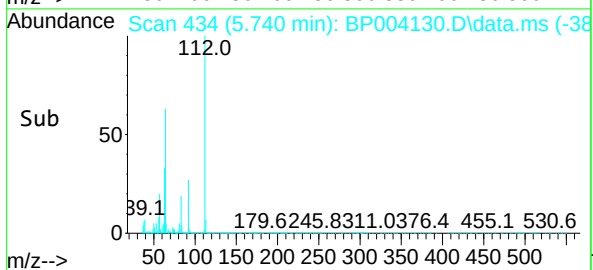
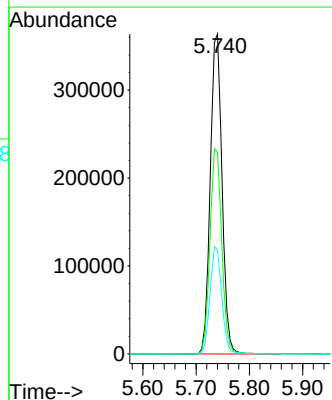
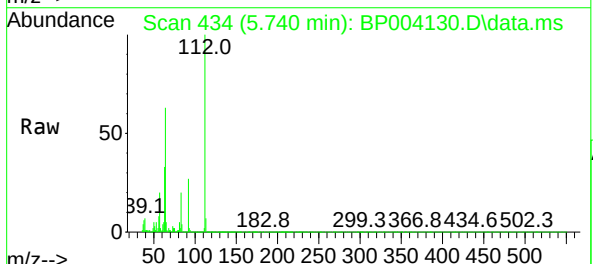
Instrument :  
BNA\_P  
ClientSampleId :  
SK-12-1-SPB

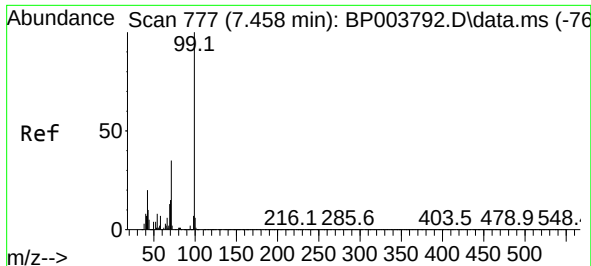
Tgt Ion:152 Resp: 129051  
Ion Ratio Lower Upper  
152 100  
150 158.1 123.8 185.6  
115 62.1 43.8 65.6



#5  
2-Fluorophenol  
Concen: 71.98 ng  
RT: 5.740 min Scan# 434  
Delta R.T. 0.006 min  
Lab File: BP004130.D  
Acq: 02 Dec 2020 15:35

Tgt Ion:112 Resp: 556579  
Ion Ratio Lower Upper  
112 100  
64 63.0 32.8 49.2#  
63 32.6 17.0 25.4#

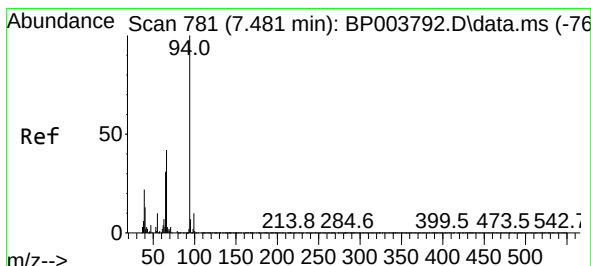
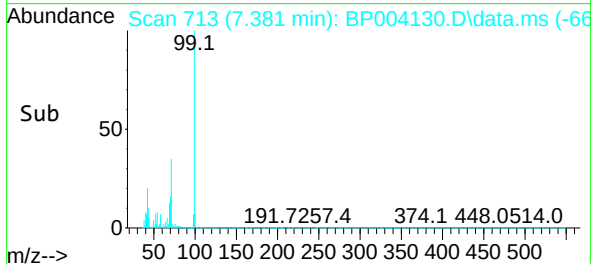
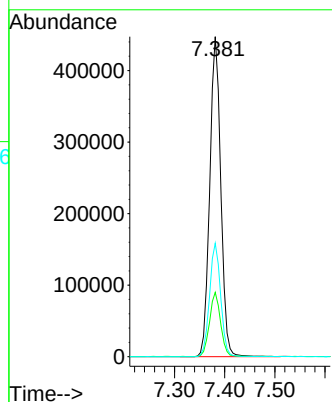
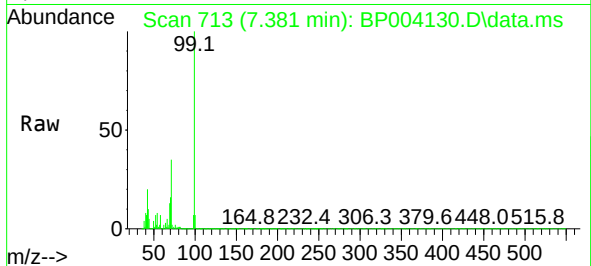




#7  
Phenol-d6  
Concen: 61.60 ng  
RT: 7.381 min Scan# 713  
Delta R.T. 0.000 min  
Lab File: BP004130.D  
Acq: 02 Dec 2020 15:35

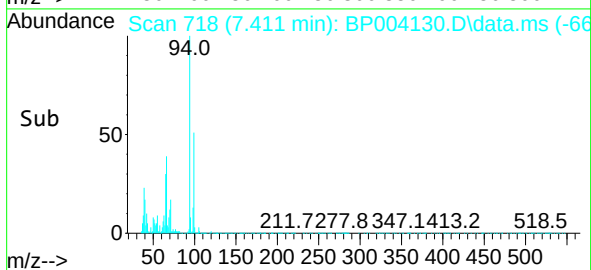
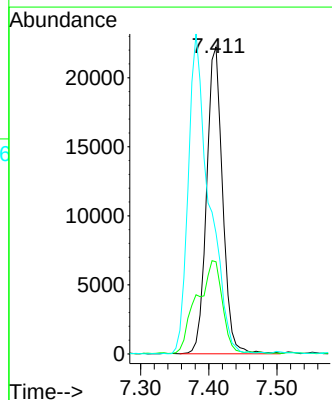
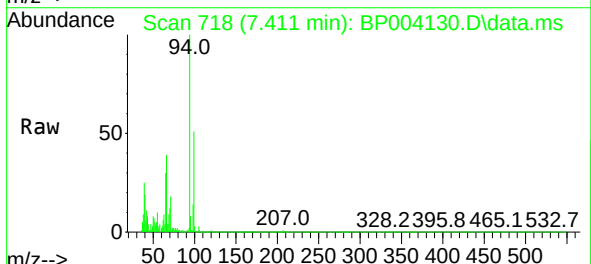
Instrument :  
BNA\_P  
ClientSampleId :  
SK-12-1-SPB

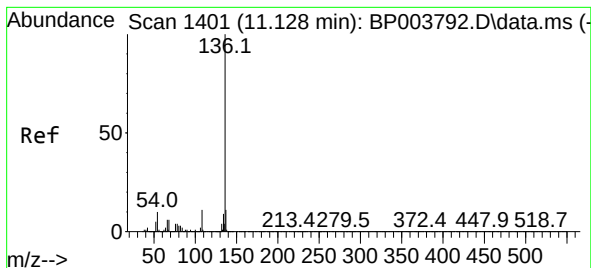
Tgt Ion: 99 Resp: 683791  
Ion Ratio Lower Upper  
99 100  
42 20.1 8.6 13.0#  
71 35.5 23.4 35.2#



#10  
Phenol  
Concen: 3.40 ng  
RT: 7.411 min Scan# 718  
Delta R.T. 0.006 min  
Lab File: BP004130.D  
Acq: 02 Dec 2020 15:35

Tgt Ion: 94 Resp: 36369  
Ion Ratio Lower Upper  
94 100  
65 30.0 2.3 42.3  
66 39.3 10.9 50.9

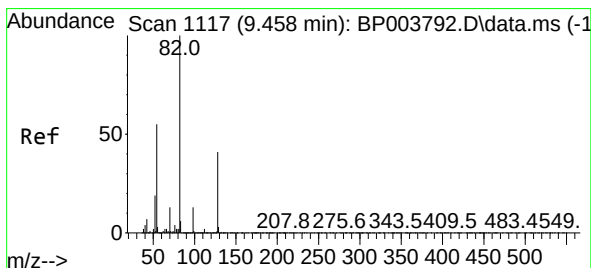
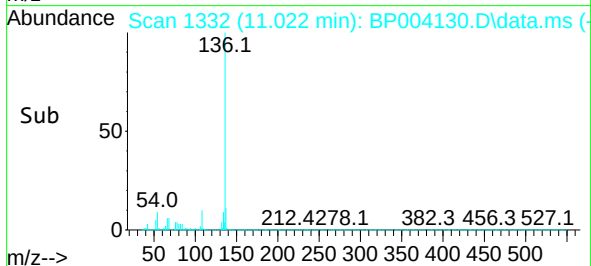
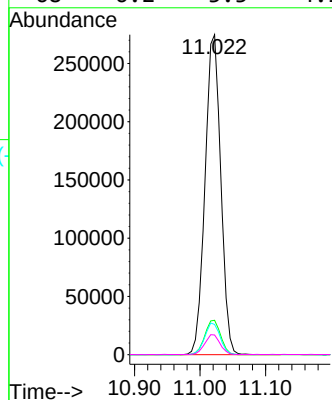
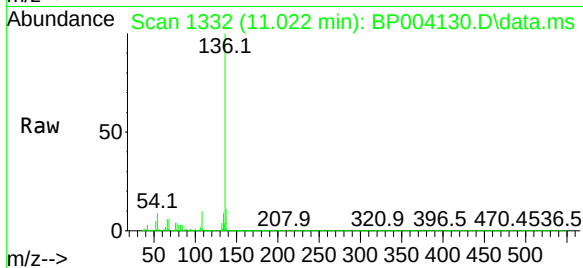




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.022 min Scan# 1332  
Delta R.T. 0.000 min  
Lab File: BP004130.D  
Acq: 02 Dec 2020 15:35

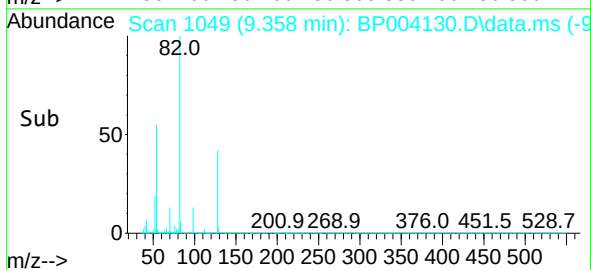
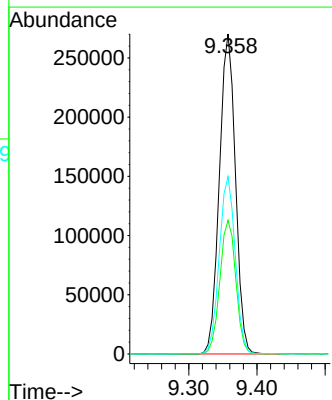
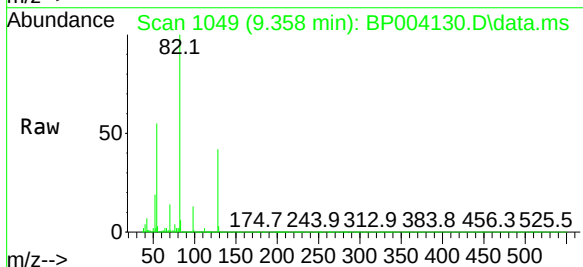
Instrument :  
BNA\_P  
ClientSampleId :  
SK-12-1-SPB

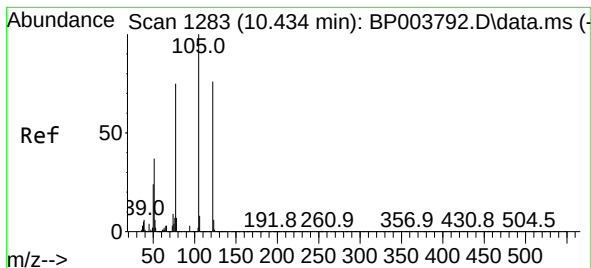
Tgt Ion:136 Resp: 458719  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 13.0  
54 9.4 3.6 5.4#  
68 6.2 3.3 4.9#



#23  
Nitrobenzene-d5  
Concen: 47.34 ng  
RT: 9.358 min Scan# 1049  
Delta R.T. 0.000 min  
Lab File: BP004130.D  
Acq: 02 Dec 2020 15:35

Tgt Ion: 82 Resp: 443390  
Ion Ratio Lower Upper  
82 100  
128 41.8 45.6 68.4#  
54 55.5 30.1 45.1#

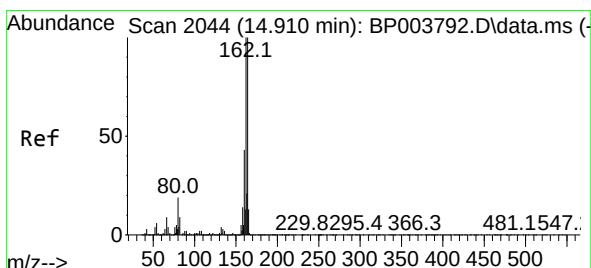
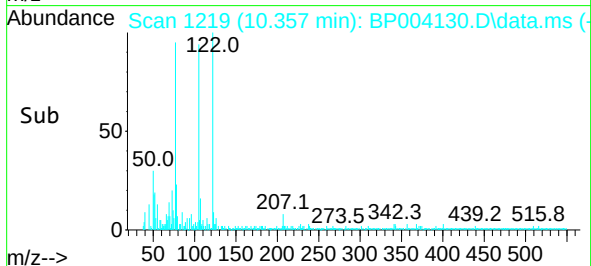
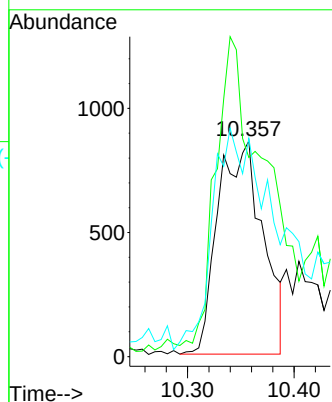
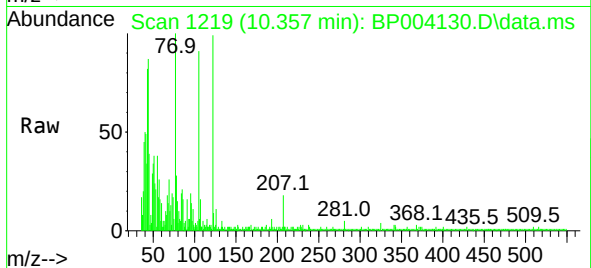




#32  
Benzoic acid  
Concen: 8.80 ng  
RT: 10.357 min Scan# 1219  
Delta R.T. -0.018 min  
Lab File: BP004130.D  
Acq: 02 Dec 2020 15:35

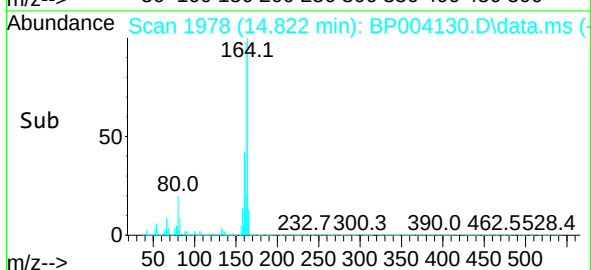
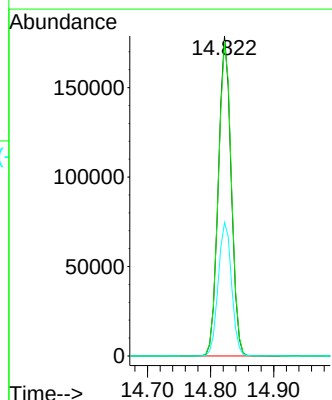
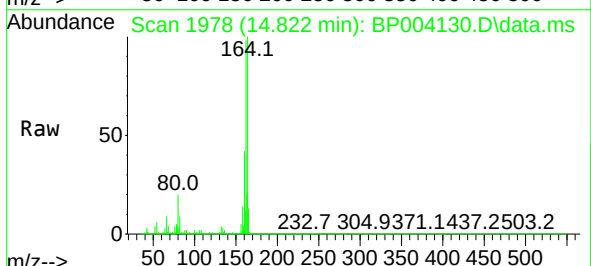
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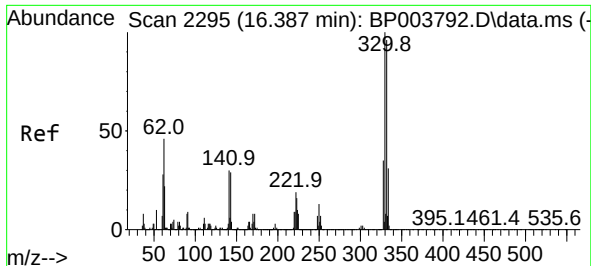
Tgt Ion:122 Resp: 2516  
Ion Ratio Lower Upper  
122 100  
105 92.3 94.1 134.1#  
77 101.2 50.1 90.1#



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.822 min Scan# 1978  
Delta R.T. -0.006 min  
Lab File: BP004130.D  
Acq: 02 Dec 2020 15:35

Tgt Ion:164 Resp: 252358  
Ion Ratio Lower Upper  
164 100  
162 98.3 79.4 119.2  
160 41.7 36.1 54.1

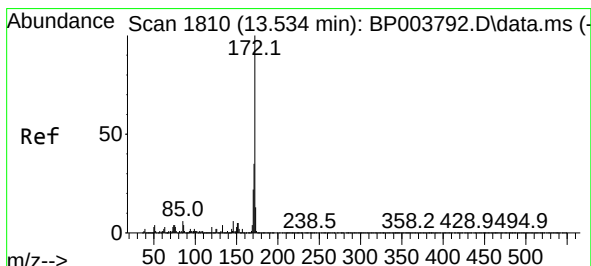
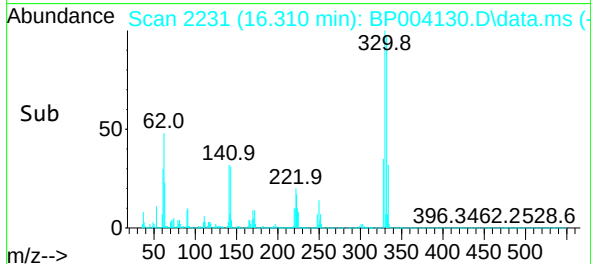
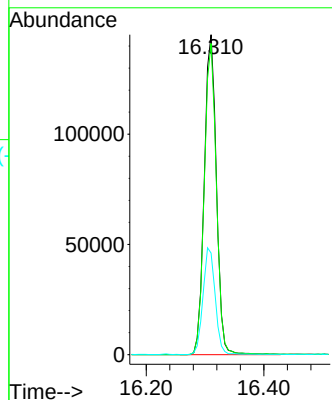
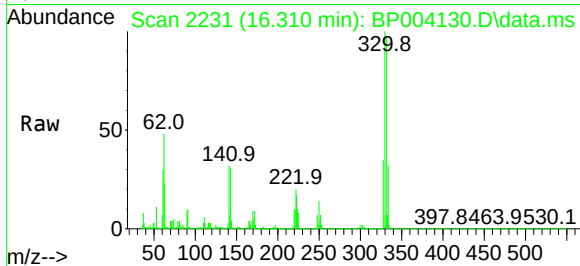




#42  
2,4,6-Tribromophenol  
Concen: 65.63 ng  
RT: 16.310 min Scan# 2231  
Delta R.T. -0.000 min  
Lab File: BP004130.D  
Acq: 02 Dec 2020 15:35

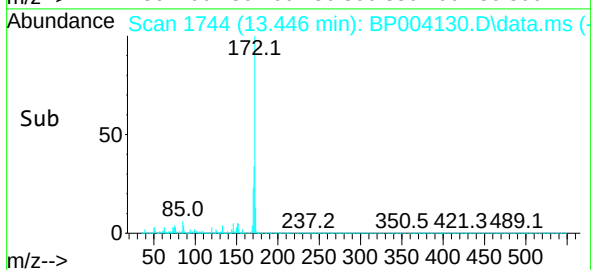
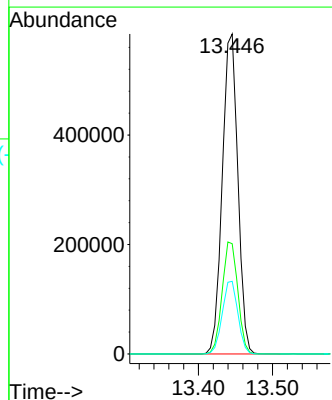
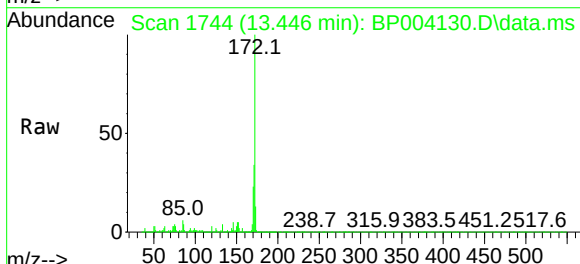
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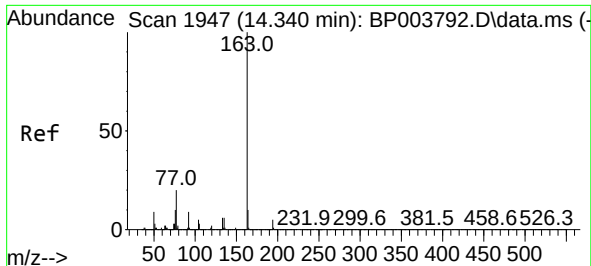
Tgt Ion:330 Resp: 207147  
Ion Ratio Lower Upper  
330 100  
332 96.9 77.1 115.7  
141 33.7 23.4 35.2



#45  
2-Fluorobiphenyl  
Concen: 47.17 ng  
RT: 13.446 min Scan# 1744  
Delta R.T. -0.000 min  
Lab File: BP004130.D  
Acq: 02 Dec 2020 15:35

Tgt Ion:172 Resp: 851506  
Ion Ratio Lower Upper  
172 100  
171 34.5 28.5 42.7  
170 22.7 19.2 28.8

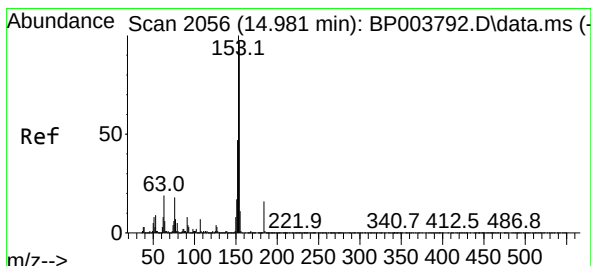
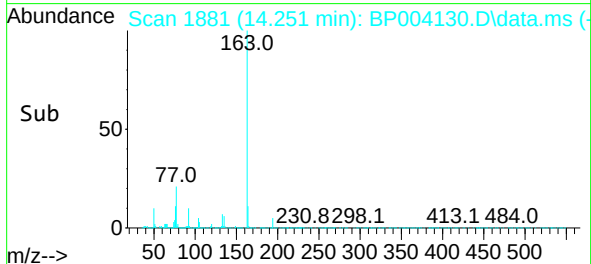
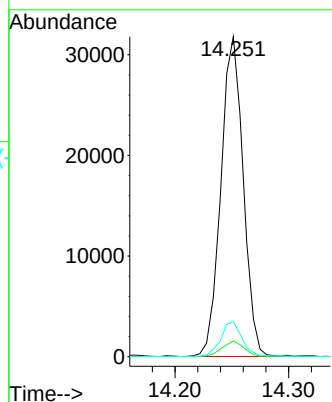
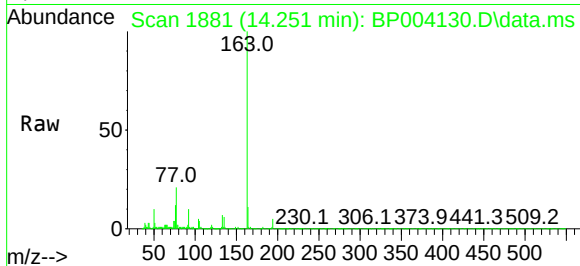




#50  
Dimethylphthalate  
Concen: 2.20 ng  
RT: 14.251 min Scan# 1881  
Delta R.T. -0.006 min  
Lab File: BP004130.D  
Acq: 02 Dec 2020 15:35

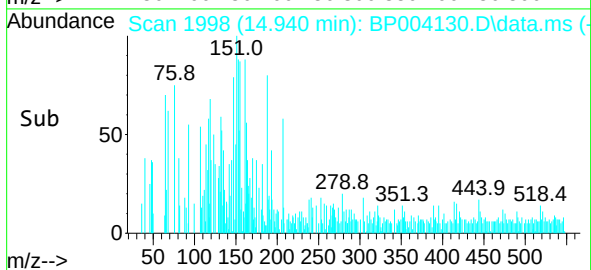
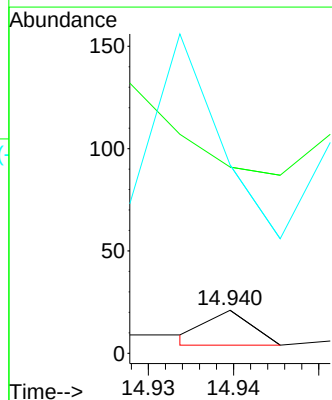
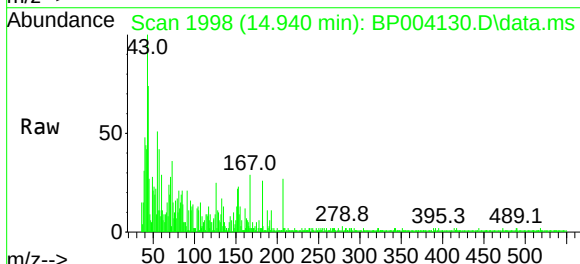
Instrument :  
BNA\_P  
ClientSampleId :  
SK-12-1-SPB

Tgt Ion:163 Resp: 43349  
Ion Ratio Lower Upper  
163 100  
194 5.0 3.3 4.9#  
164 10.9 8.2 12.2

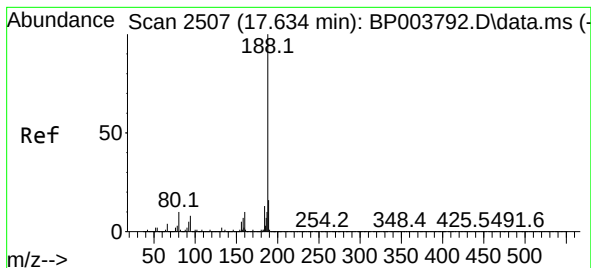


#54  
2,4-Dinitrophenol  
Concen: 2.73 ng  
RT: 14.940 min Scan# 1998  
Delta R.T. 0.012 min  
Lab File: BP004130.D  
Acq: 02 Dec 2020 15:35

Tgt Ion:184 Resp: 6  
Ion Ratio Lower Upper  
184 100  
63 433.3 32.3 48.5#  
154 438.1 49.1 73.7#



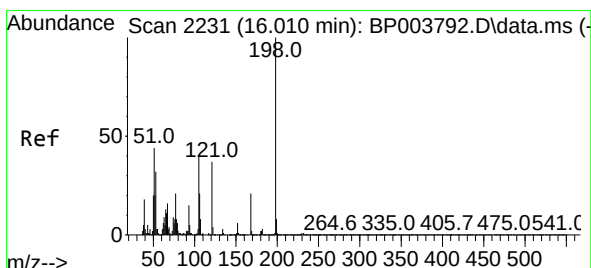
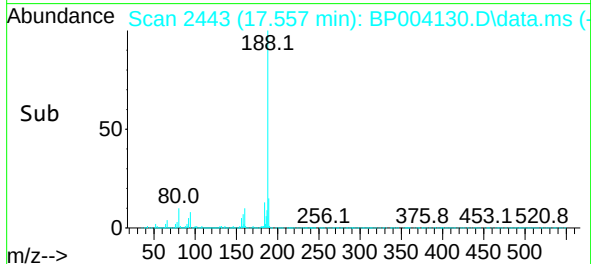
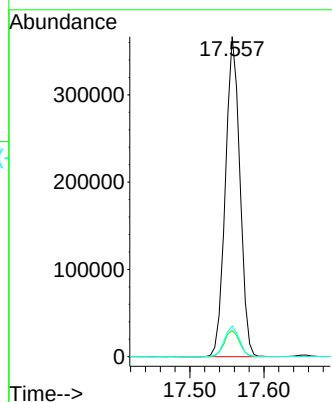
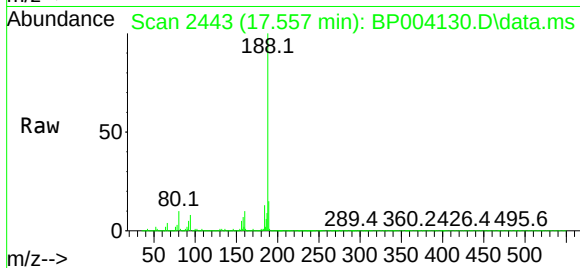




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.557 min Scan# 2443  
Delta R.T. -0.006 min  
Lab File: BP004130.D  
Acq: 02 Dec 2020 15:35

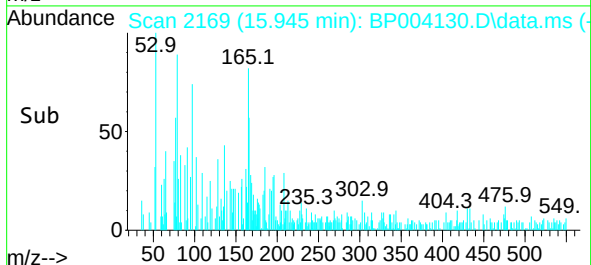
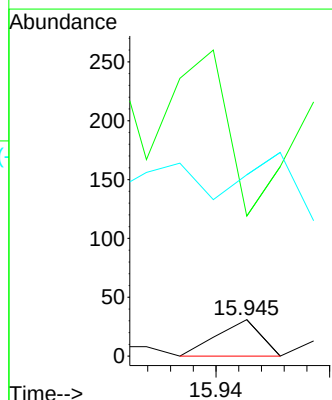
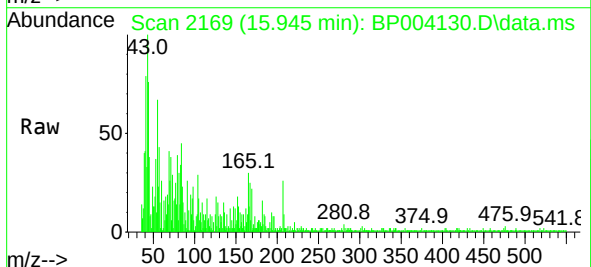
Instrument :  
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ClientSampleId :  
SK-12-1-SPB

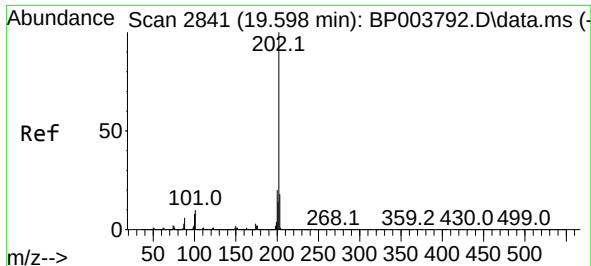
Tgt Ion:188 Resp: 498674  
Ion Ratio Lower Upper  
188 100  
94 8.2 6.2 9.2  
80 9.6 6.2 9.2#



#65  
4,6-Dinitro-2-methylphenol  
Concen: 6.35 ng  
RT: 15.945 min Scan# 2169  
Delta R.T. -0.006 min  
Lab File: BP004130.D  
Acq: 02 Dec 2020 15:35

Tgt Ion:198 Resp: 17  
Ion Ratio Lower Upper  
198 100  
51 383.9 6.4 46.4#  
105 496.8 18.9 58.9#

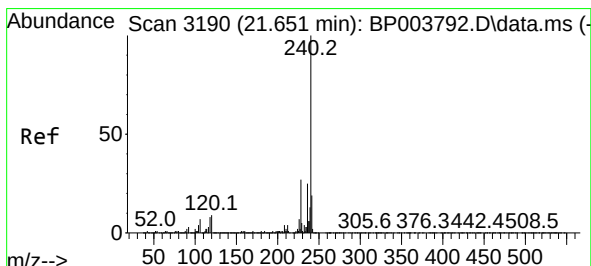
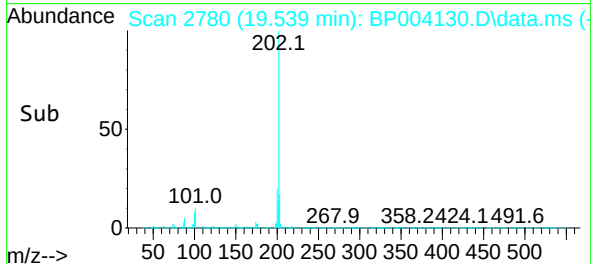
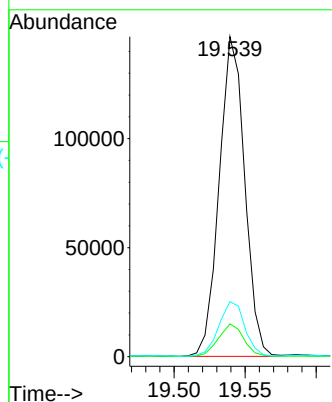
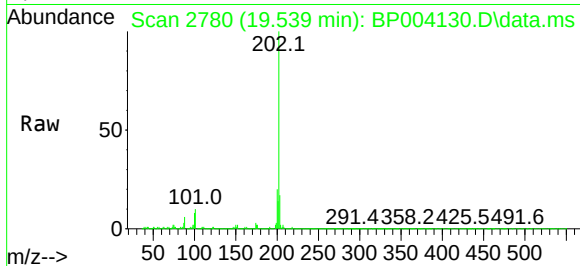




#75  
Fluoranthene  
Concen: 5.66 ng  
RT: 19.539 min Scan# 2780  
Delta R.T. -0.006 min  
Lab File: BP004130.D  
Acq: 02 Dec 2020 15:35

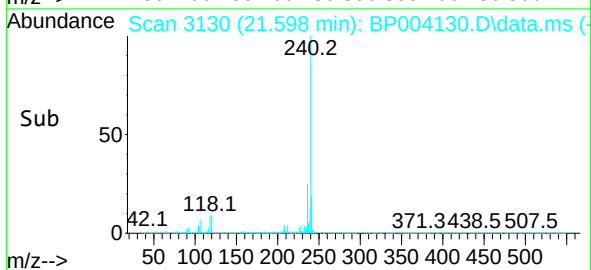
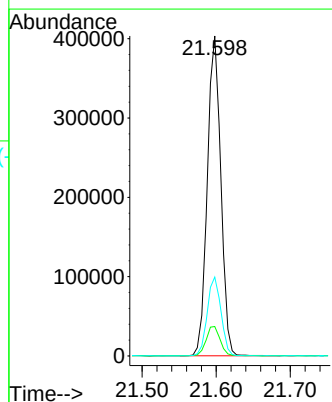
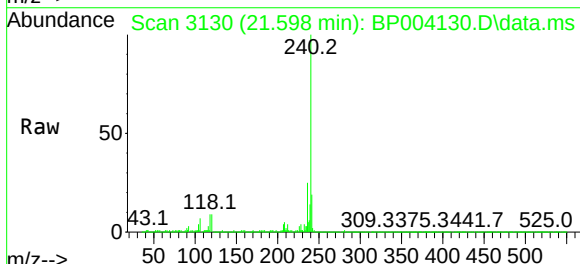
Instrument :  
BNA\_P  
ClientSampleId :  
SK-12-1-SPB

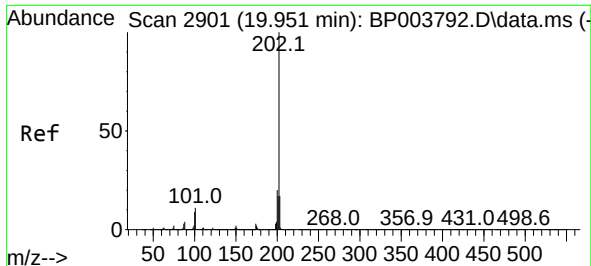
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 182921 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 10.3  | 0.0   | 29.4   |
| 203       | 17.2  | 0.0   | 37.8   |



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.598 min Scan# 3130  
Delta R.T. -0.000 min  
Lab File: BP004130.D  
Acq: 02 Dec 2020 15:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 511850 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 9.2   | 7.8   | 11.6   |
| 236       | 24.7  | 20.8  | 31.2   |

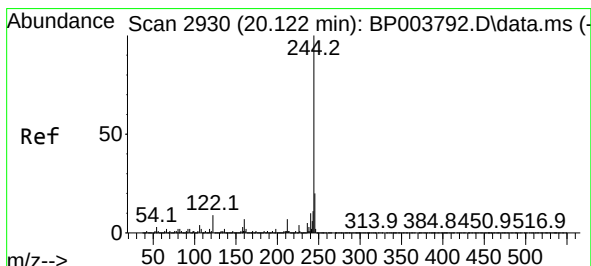
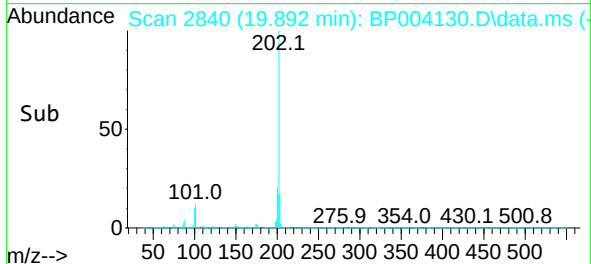
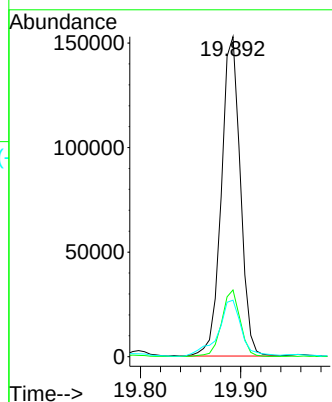
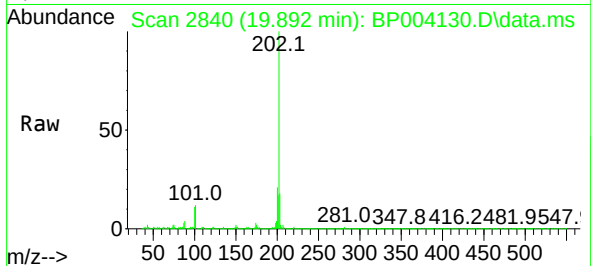




#78  
Pyrene  
Concen: 5.76 ng  
RT: 19.892 min Scan# 2840  
Delta R.T. -0.000 min  
Lab File: BP004130.D  
Acq: 02 Dec 2020 15:35

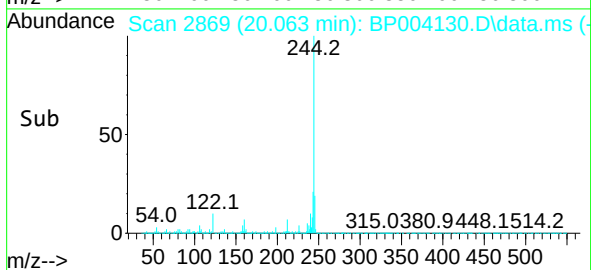
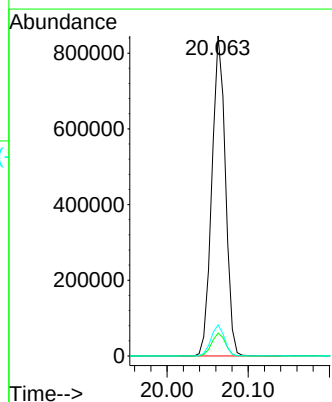
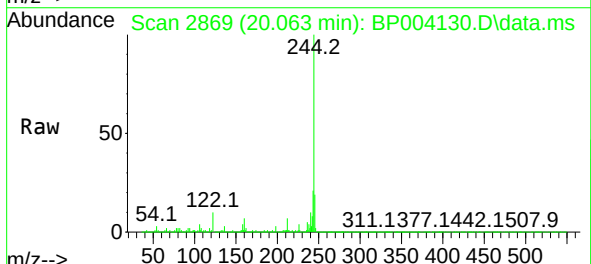
Instrument :  
BNA\_P  
ClientSampleId :  
SK-12-1-SPB

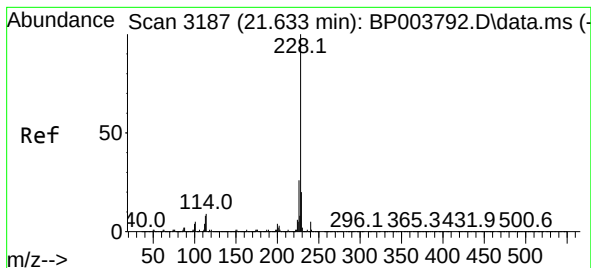
Tgt Ion:202 Resp: 200095  
Ion Ratio Lower Upper  
202 100  
200 20.8 17.1 25.7  
203 17.6 14.2 21.2



#79  
Terphenyl-d14  
Concen: 36.95 ng  
RT: 20.063 min Scan# 2869  
Delta R.T. -0.006 min  
Lab File: BP004130.D  
Acq: 02 Dec 2020 15:35

Tgt Ion:244 Resp: 979010  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.8 8.6  
122 9.7 7.8 11.8





#81

Benzo(a)anthracene

Concen: 3.75 ng

RT: 21.580 min Scan# 3127

Delta R.T. -0.006 min

Lab File: BP004130.D

Acq: 02 Dec 2020 15:35

Instrument :

BNA\_P

ClientSampleId :

SK-12-1-SPB

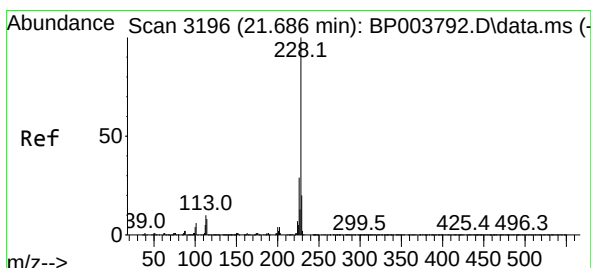
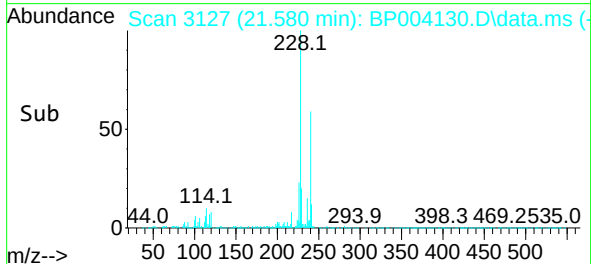
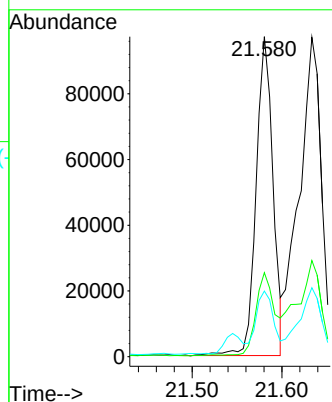
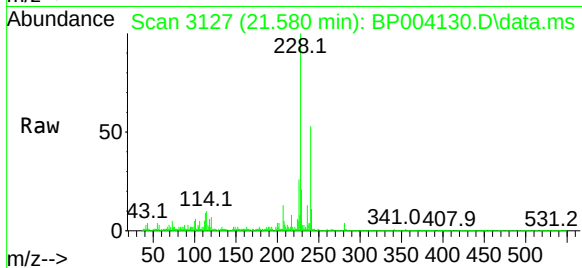
Tgt Ion:228 Resp: 126708

Ion Ratio Lower Upper

228 100

226 26.2 22.1 33.1

229 20.5 15.9 23.9



#83

Chrysene

Concen: 5.15 ng

RT: 21.633 min Scan# 3136

Delta R.T. -0.006 min

Lab File: BP004130.D

Acq: 02 Dec 2020 15:35

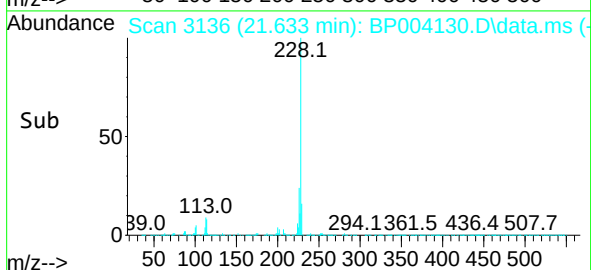
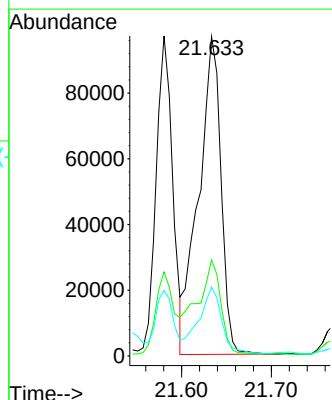
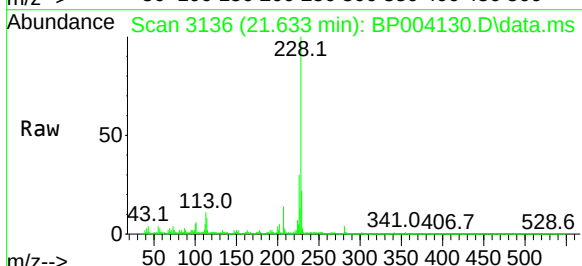
Tgt Ion:228 Resp: 167166

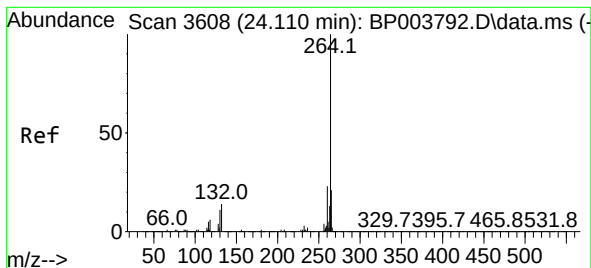
Ion Ratio Lower Upper

228 100

226 30.1 24.4 36.6

229 21.6 15.8 23.6

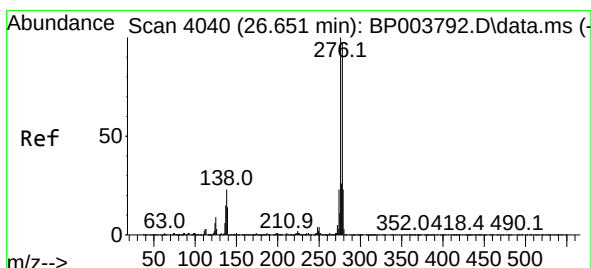
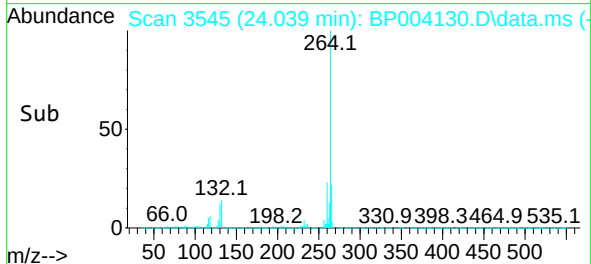
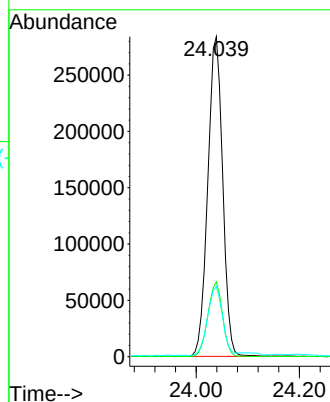
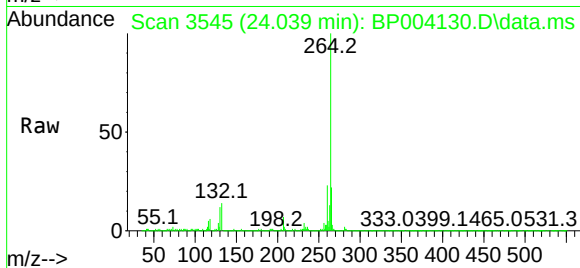




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 24.039 min Scan# 3545  
Delta R.T. -0.000 min  
Lab File: BP004130.D  
Acq: 02 Dec 2020 15:35

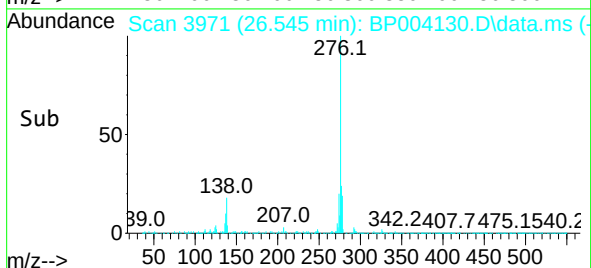
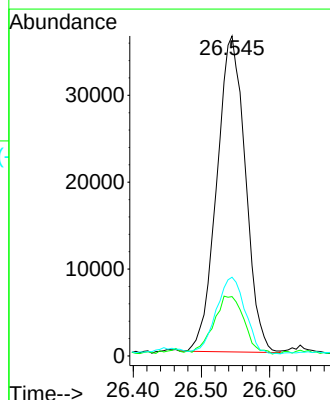
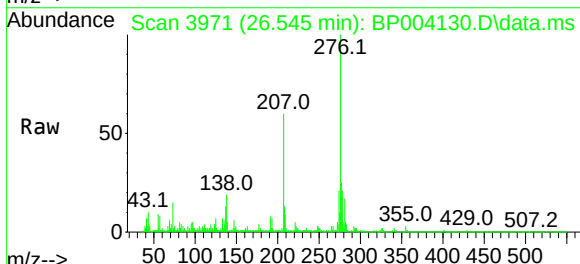
Instrument :  
BNA\_P  
ClientSampleId :  
SK-12-1-SPB

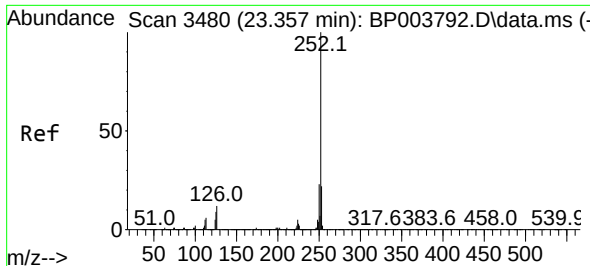
Tgt Ion:264 Resp: 567961  
Ion Ratio Lower Upper  
264 100  
260 23.4 18.8 28.2  
265 21.9 17.4 26.2



#87  
Indeno(1,2,3-cd)pyrene  
Concen: 2.59 ng  
RT: 26.545 min Scan# 3971  
Delta R.T. -0.012 min  
Lab File: BP004130.D  
Acq: 02 Dec 2020 15:35

Tgt Ion:276 Resp: 106006  
Ion Ratio Lower Upper  
276 100  
138 19.3 18.7 28.1  
277 24.7 20.4 30.6

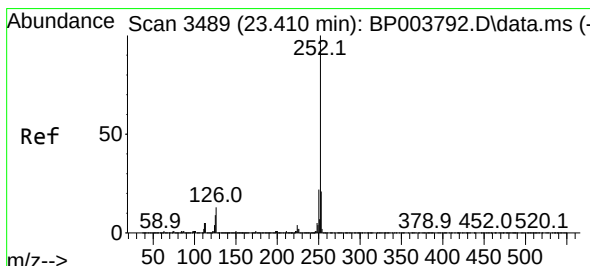
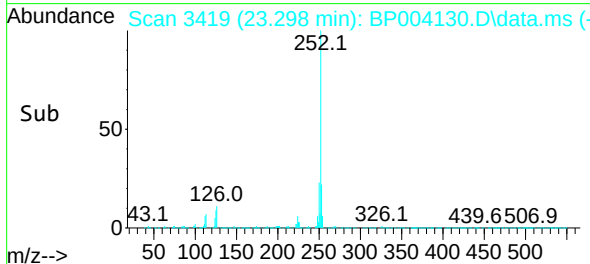
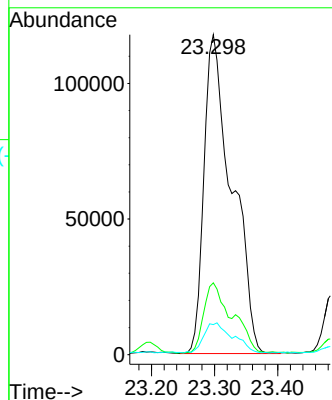
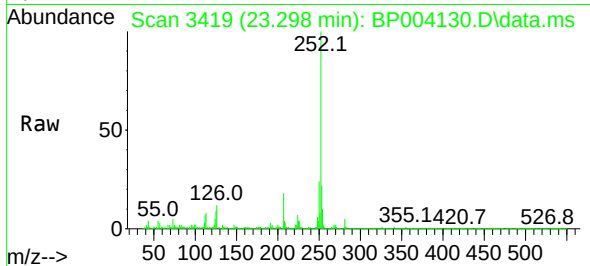




#88  
Benzo(b)fluoranthene  
Concen: 9.69 ng  
RT: 23.298 min Scan# 3419  
Delta R.T. -0.000 min  
Lab File: BP004130.D  
Acq: 02 Dec 2020 15:35

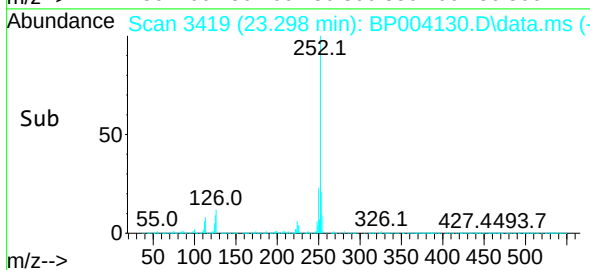
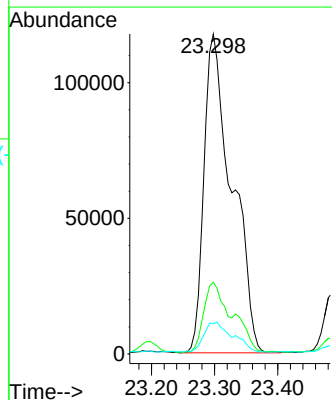
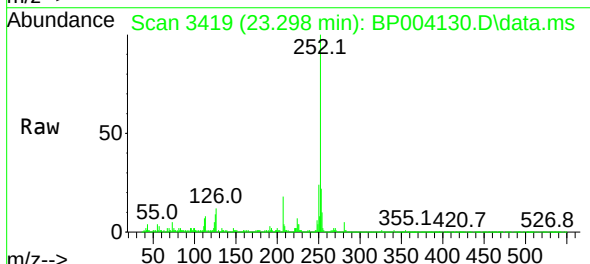
Instrument :  
BNA\_P  
ClientSampleId :  
SK-12-1-SPB

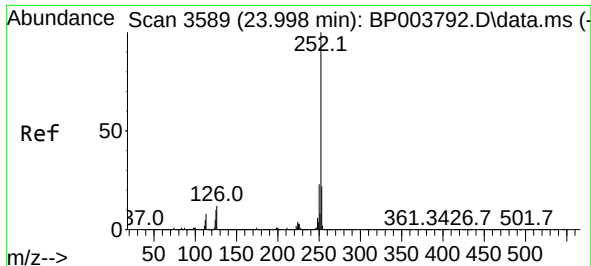
Tgt Ion:252 Resp: 360314  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.6 26.4  
125 9.4 7.3 10.9



#89  
Benzo(k)fluoranthene  
Concen: 9.82 ng  
RT: 23.298 min Scan# 3419  
Delta R.T. -0.047 min  
Lab File: BP004130.D  
Acq: 02 Dec 2020 15:35

Tgt Ion:252 Resp: 360314  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.8 26.8  
125 9.4 7.4 11.2

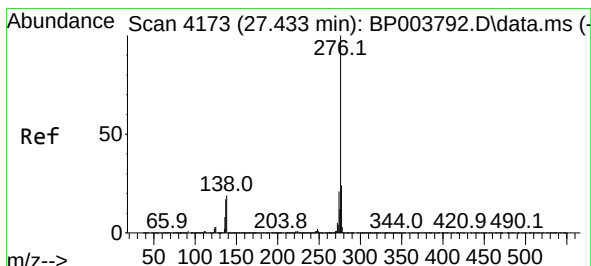
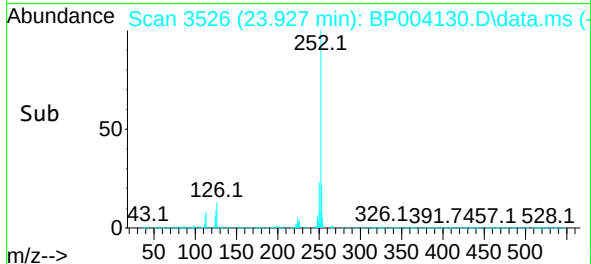
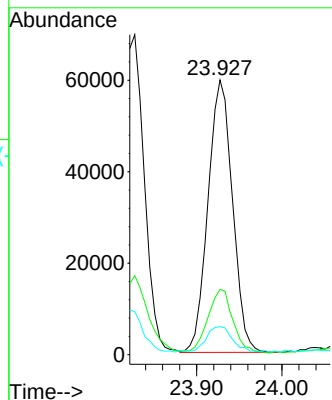
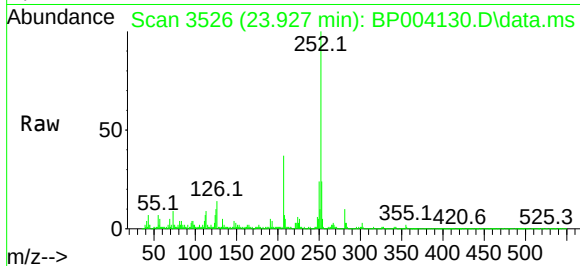




#90  
Benzo(a)pyrene  
Concen: 3.46 ng  
RT: 23.927 min Scan# 3526  
Delta R.T. -0.006 min  
Lab File: BP004130.D  
Acq: 02 Dec 2020 15:35

Instrument :  
BNA\_P  
ClientSampleId :  
SK-12-1-SPB

Tgt Ion:252 Resp: 119181  
Ion Ratio Lower Upper  
252 100  
253 23.8 17.4 26.0  
125 10.2 8.2 12.4



#92  
Benzo(g,h,i)perylene  
Concen: 2.87 ng  
RT: 27.321 min Scan# 4103  
Delta R.T. -0.012 min  
Lab File: BP004130.D  
Acq: 02 Dec 2020 15:35

Tgt Ion:276 Resp: 94903  
Ion Ratio Lower Upper  
276 100  
277 23.0 19.0 28.6  
138 16.3 16.6 24.8#

