

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082321\  
 Data File : BP006828.D  
 Acq On : 23 Aug 2021 13:29  
 Operator : CG/JU  
 Sample : M3419-23  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SWCS-09-0205

Quant Time: Aug 23 14:06:36 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 23 11:39:38 2021  
 Response via : Initial Calibration

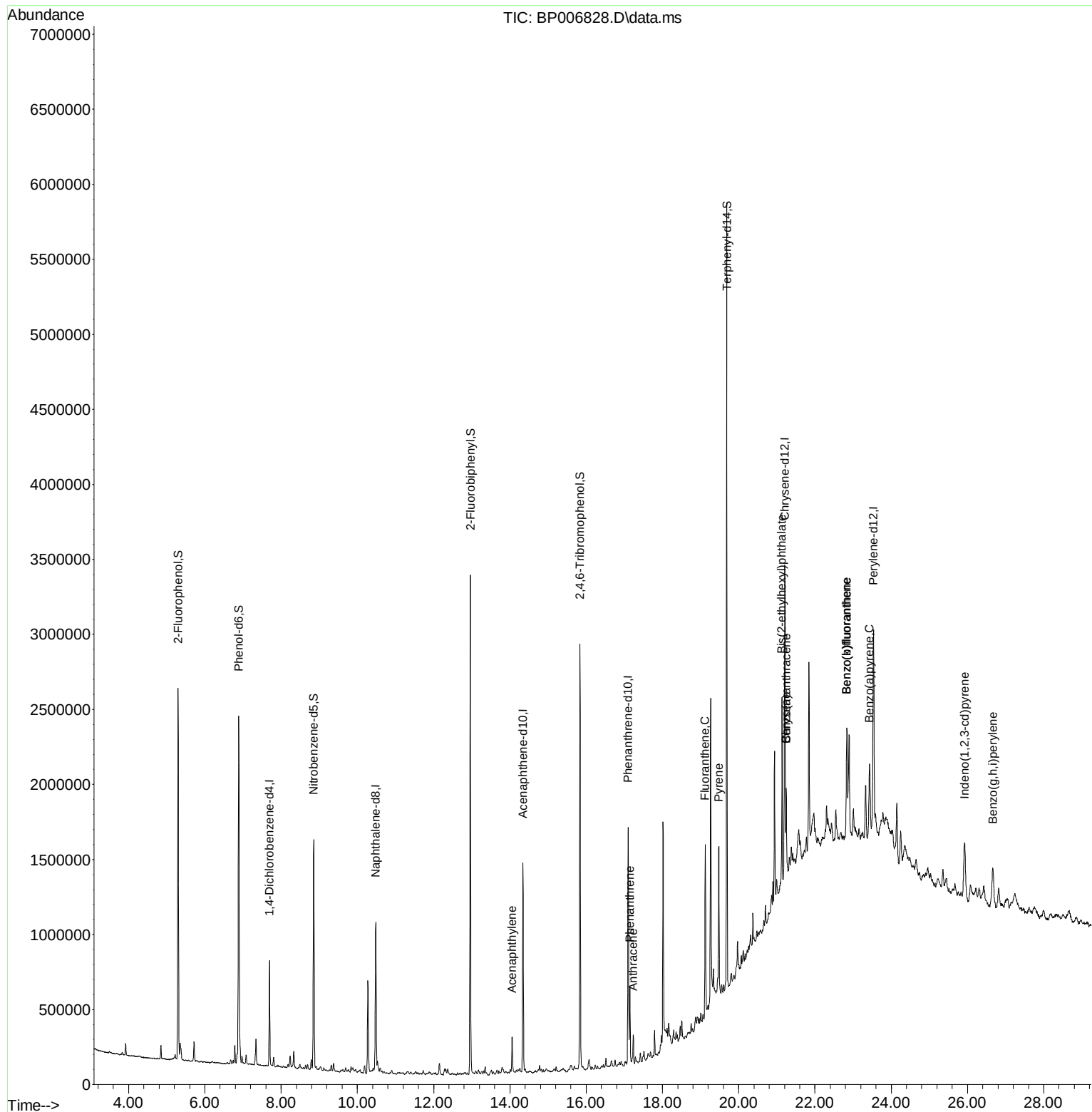
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.693  | 152  | 184381   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.481 | 136  | 782034   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.340 | 164  | 451019   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.098 | 188  | 876635   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.210 | 240  | 804021   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 23.533 | 264  | 870756   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.299  | 112  | 1044580  | 87.016 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.887  | 99   | 1331106  | 78.059 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.858  | 82   | 911543   | 53.801 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.839 | 330  | 450332   | 95.538 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.963 | 172  | 1634330  | 54.214 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.686 | 244  | 2104110  | 52.439 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 49) Acenaphthylene            | 14.063 | 152  | 166979   | 3.939  | ng    | 99       |
| 71) Phenanthrene              | 17.145 | 178  | 288069   | 5.826  | ng    | 99       |
| 72) Anthracene                | 17.234 | 178  | 113034   | 2.366  | ng    | 99       |
| 75) Fluoranthene              | 19.122 | 202  | 615427   | 11.089 | ng    | 95       |
| 78) Pyrene                    | 19.480 | 202  | 554889   | 10.332 | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.245 | 228  | 295444   | 5.623  | ng    | 95       |
| 83) Chrysene                  | 21.245 | 228  | 295444   | 5.800  | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 21.133 | 149  | 436149   | 12.290 | ng    | # 96     |
| 87) Indeno(1,2,3-cd)pyrene    | 25.927 | 276  | 288772   | 4.574  | ng    | # 95     |
| 88) Benzo(b)fluoranthene      | 22.827 | 252  | 444532   | 7.855  | ng    | # 92     |
| 89) Benzo(k)fluoranthene      | 22.827 | 252  | 444532   | 8.181  | ng    | # 92     |
| 90) Benzo(a)pyrene            | 23.427 | 252  | 283892   | 5.593  | ng    | # 90     |
| 92) Benzo(g,h,i)perylene      | 26.662 | 276  | 300075   | 5.736  | ng    | # 89     |
| -----                         |        |      |          |        |       |          |

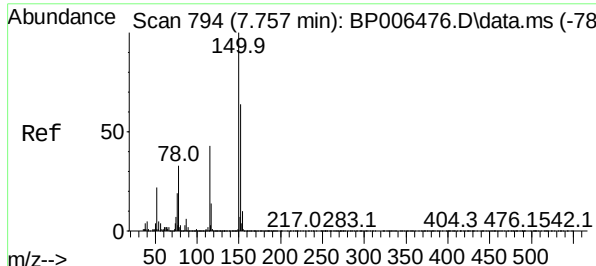
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082321\  
Data File : BP006828.D  
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Sample : M3419-23  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SWCS-09-0205

Quant Time: Aug 23 14:06:36 2021  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 23 11:39:38 2021  
Response via : Initial Calibration

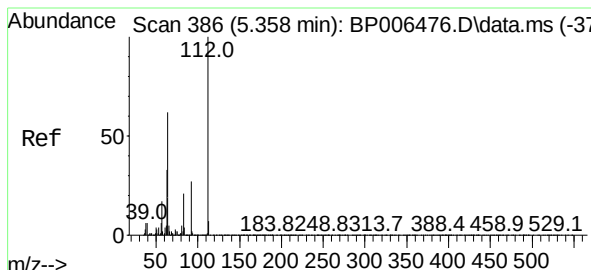
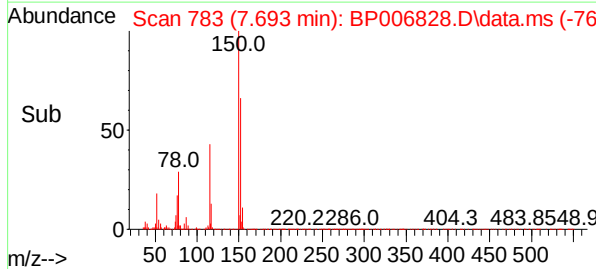
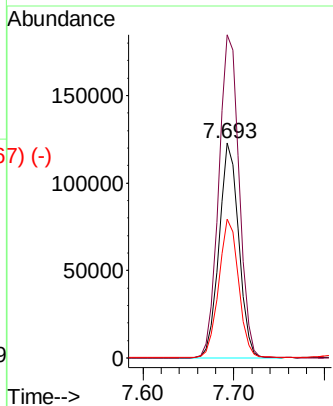
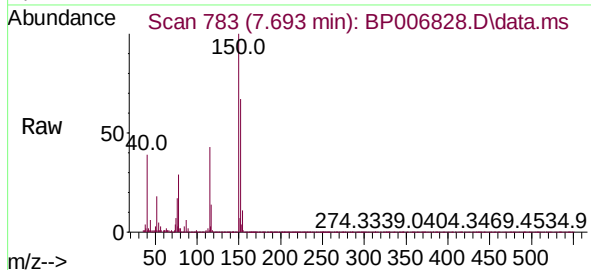




1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.693 min Scan# 783  
 Delta R.T. -0.006 min  
 Lab File: BP006828.D  
 Acq: 23 Aug 2021 13:29

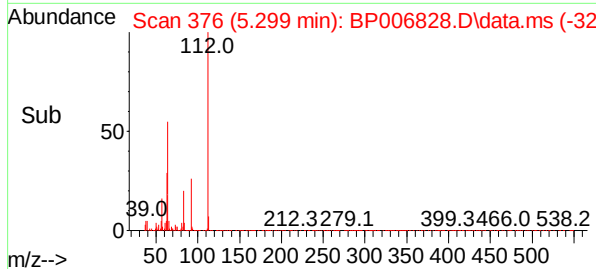
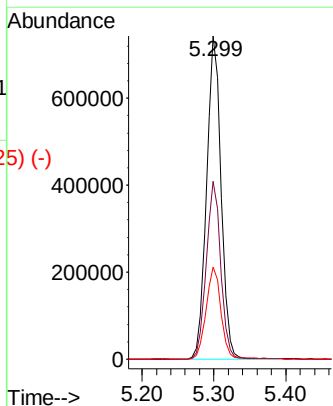
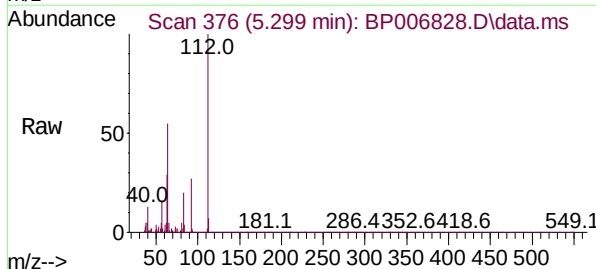
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SWCS-09-0205

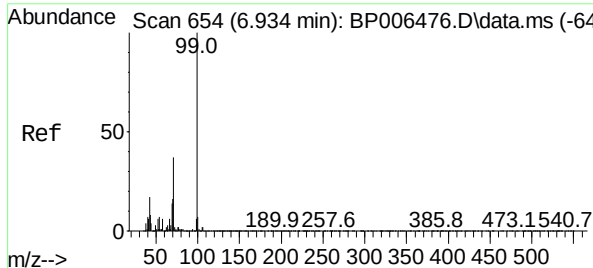
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 184381 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 150      | 150.4 | 125.6 | 188.4  |
| 115      | 64.7  | 48.5  | 72.7   |



2-Fluorophenol  
 Concen: 87.016 ng  
 RT: 5.299 min Scan# 376  
 Delta R.T. -0.000 min  
 Lab File: BP006828.D  
 Acq: 23 Aug 2021 13:29

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 112   | Resp: | 1044580 |
| Ion      | Ratio | Lower | Upper   |
| 112      | 100   |       |         |
| 64       | 55.1  | 41.4  | 62.2    |
| 63       | 28.6  | 23.8  | 35.8    |

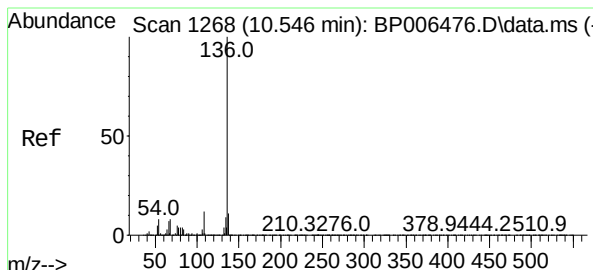
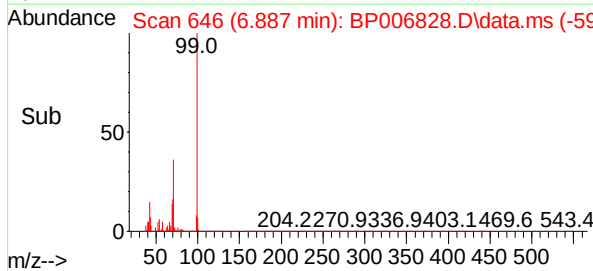
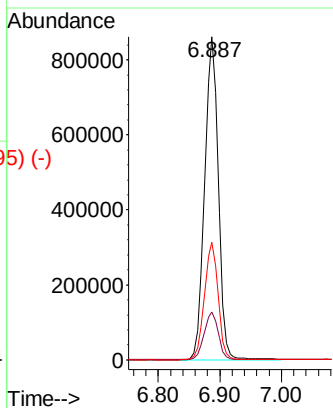
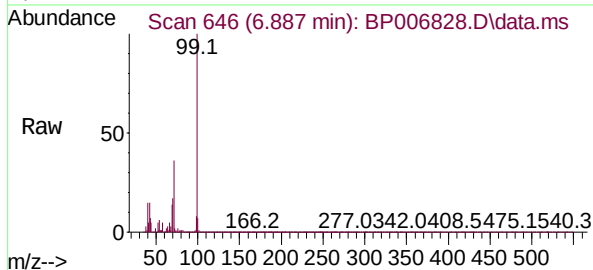




Phenol-d6  
 Concen: 78.059 ng  
 RT: 6.887 min Scan# 646  
 Delta R.T. -0.000 min  
 Lab File: BP006828.D  
 Acq: 23 Aug 2021 13:29

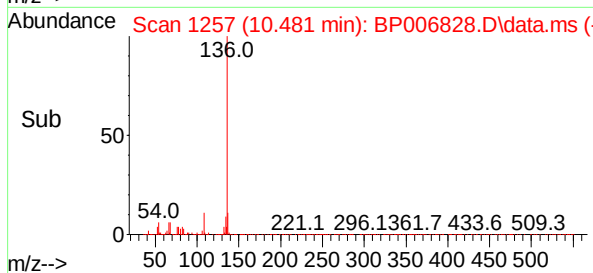
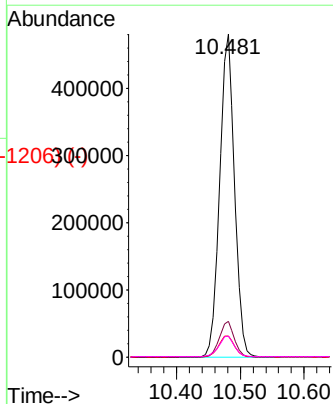
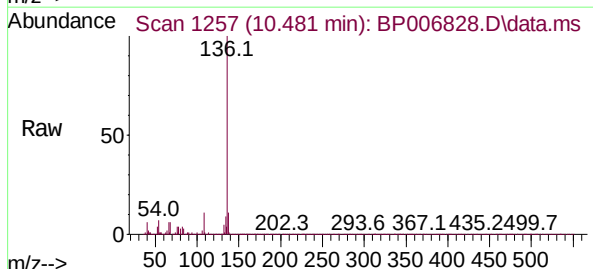
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SWCS-09-0205

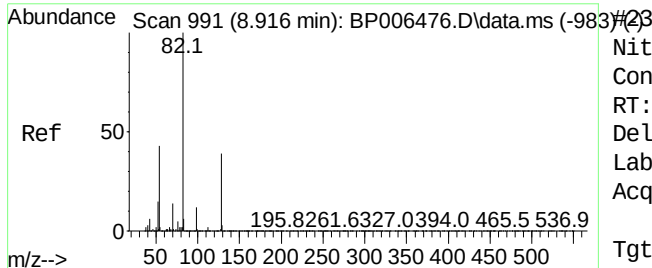
|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 99    | Resp: | 1331106 |
| Ion      | Ratio | Lower | Upper   |
| 99       | 100   |       |         |
| 42       | 14.9  | 13.4  | 20.0    |
| 71       | 36.4  | 30.6  | 46.0    |



Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 10.481 min Scan# 1257  
 Delta R.T. -0.000 min  
 Lab File: BP006828.D  
 Acq: 23 Aug 2021 13:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 782034 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.6   | 12.8   |
| 54       | 6.5   | 4.6   | 6.8    |
| 68       | 6.5   | 3.6   | 5.4#   |

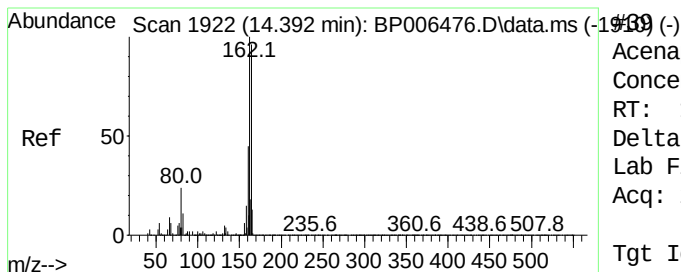
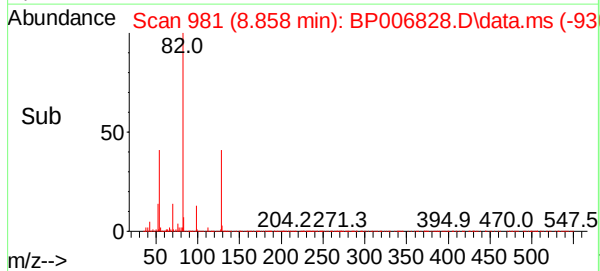
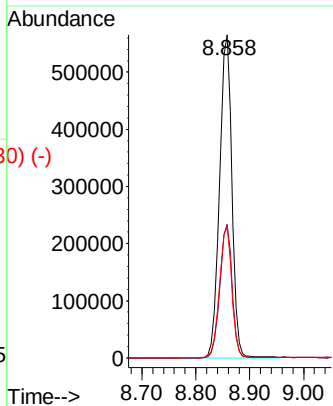
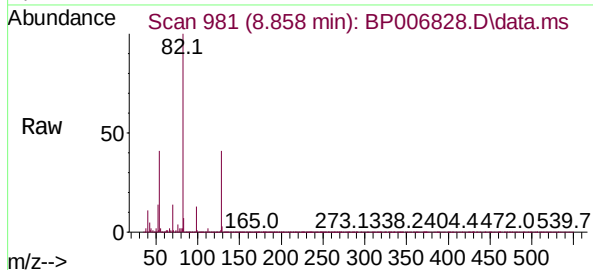




Nitrobenzene-d5  
Concen: 53.801 ng  
RT: 8.858 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: BP006828.D  
Acq: 23 Aug 2021 13:29

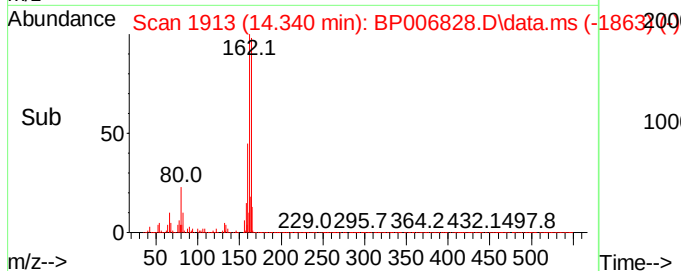
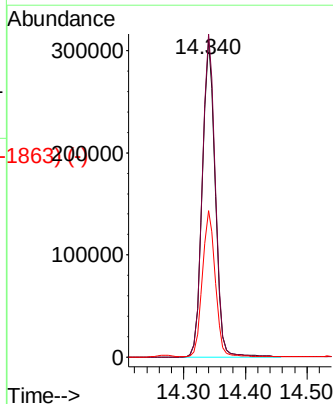
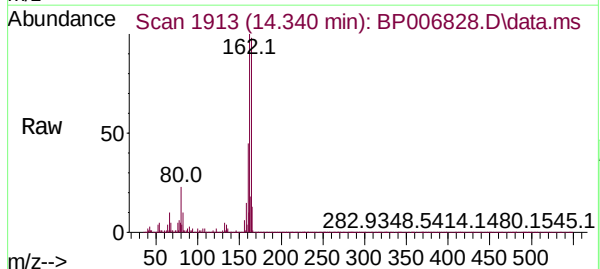
Instrument :  
BNA\_P  
ClientSampleId :  
SWCS-09-0205

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 911543 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 41.5  | 35.7  | 53.5   |
| 54       | 40.7  | 35.0  | 52.4   |



Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.340 min Scan# 1913  
Delta R.T. -0.006 min  
Lab File: BP006828.D  
Acq: 23 Aug 2021 13:29

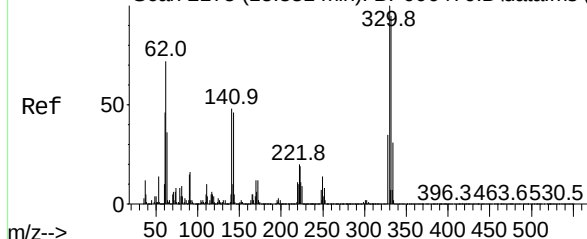
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 451019 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 162      | 102.0 | 80.2  | 120.2  |
| 160      | 46.2  | 34.5  | 51.7   |



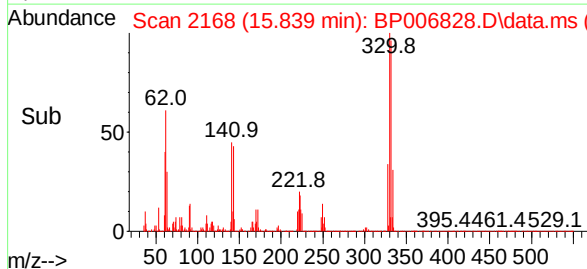
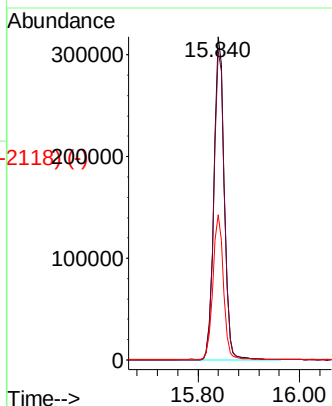
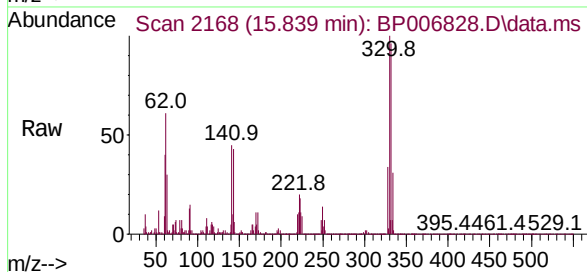
Abundance Scan 2175 (15.881 min): BP006476.D\data.ms (-2168) (-)

2,4,6-Tribromophenol  
Concen: 95.538 ng  
RT: 15.839 min Scan# 2168  
Delta R.T. -0.006 min  
Lab File: BP006828.D  
Acq: 23 Aug 2021 13:29

Instrument :  
BNA\_P  
ClientSampleId :  
SWCS-09-0205

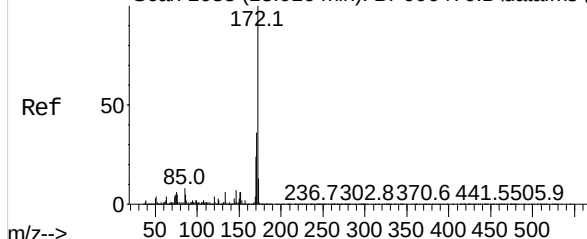


| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.9  | 77.8  | 116.8 |
| 141     | 45.1  | 25.4  | 38.2# |

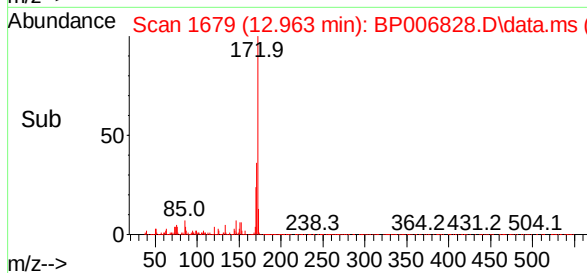
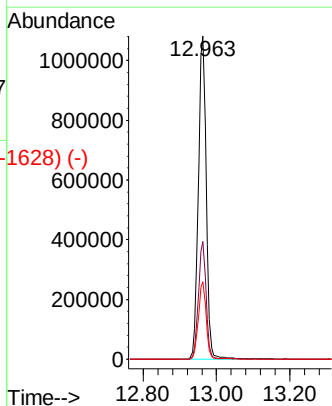
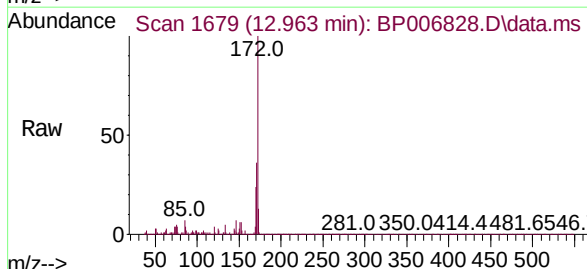


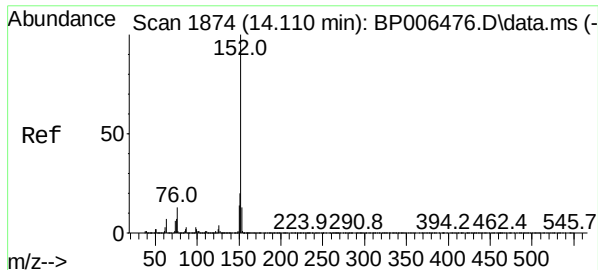
Abundance Scan 1688 (13.016 min): BP006476.D\data.ms (-1679) (-)

2-Fluorobiphenyl  
Concen: 54.214 ng  
RT: 12.963 min Scan# 1679  
Delta R.T. -0.000 min  
Lab File: BP006828.D  
Acq: 23 Aug 2021 13:29



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.5  | 27.9  | 41.9  |
| 170     | 23.9  | 18.6  | 27.8  |

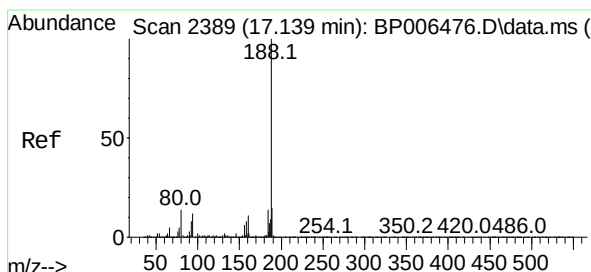
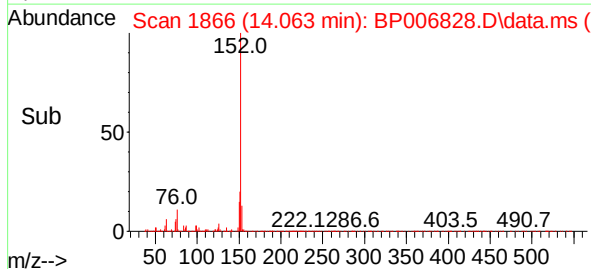
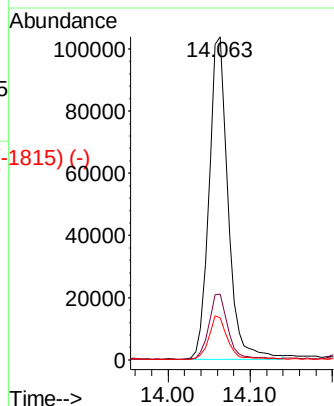
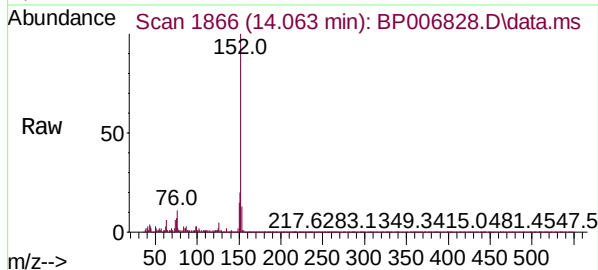




Acenaphthylene  
Concen: 3.939 ng  
RT: 14.063 min Scan# 1866  
Delta R.T. -0.000 min  
Lab File: BP006828.D  
Acq: 23 Aug 2021 13:29

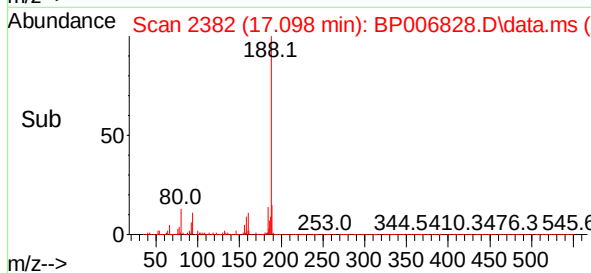
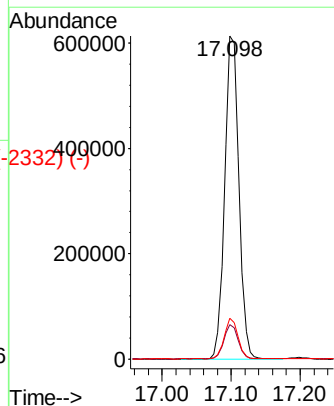
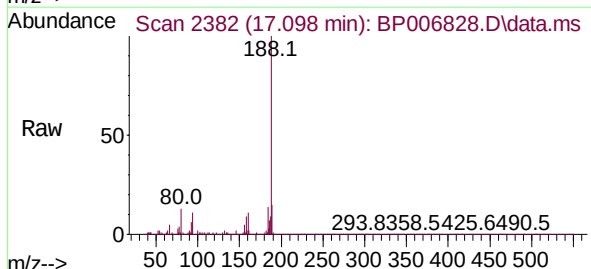
Instrument :  
BNA\_P  
ClientSampleId :  
SWCS-09-0205

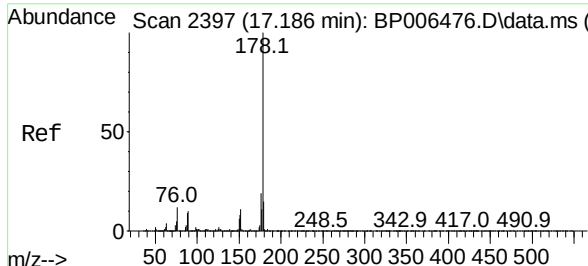
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 166979 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 151      | 20.5  | 16.2  | 24.2   |
| 153      | 13.1  | 10.6  | 16.0   |



Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.098 min Scan# 2382  
Delta R.T. -0.006 min  
Lab File: BP006828.D  
Acq: 23 Aug 2021 13:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 876635 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 10.8  | 5.6   | 8.4#   |
| 80       | 12.7  | 6.3   | 9.5#   |

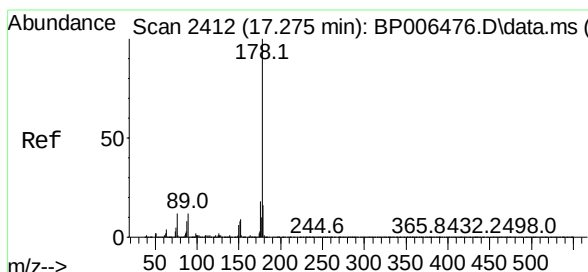
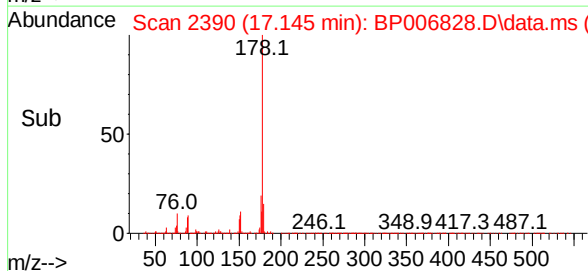
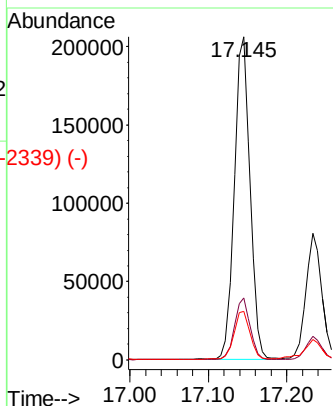
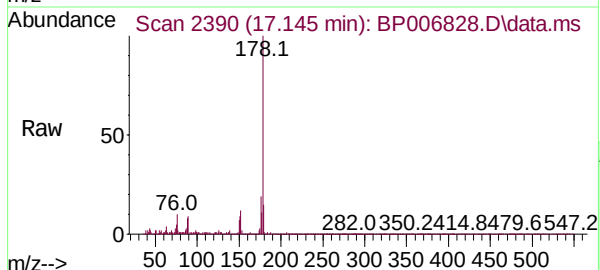




Scan 2397 (17.186 min): BP006476.D\data.ms (-2397) (-)  
 Phenanthrene  
 Concen: 5.826 ng  
 RT: 17.145 min Scan# 2390  
 Delta R.T. -0.000 min  
 Lab File: BP006828.D  
 Acq: 23 Aug 2021 13:29

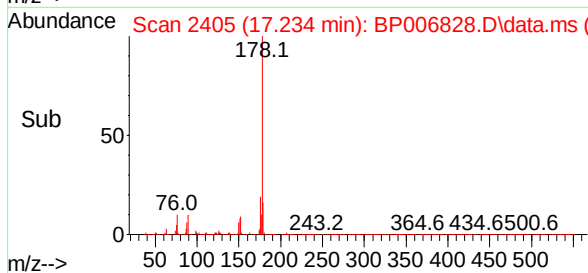
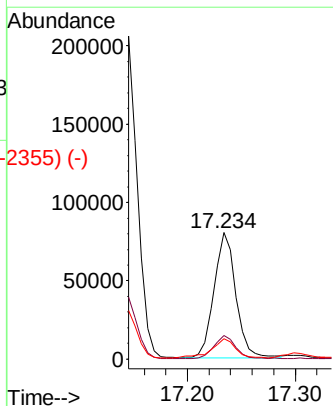
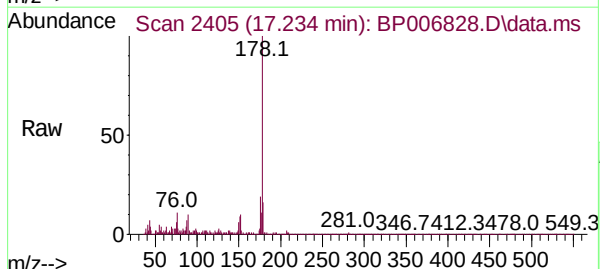
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SWCS-09-0205

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 178   | Resp: | 288069 |
| Ion      | Ratio | Lower | Upper  |
| 178      | 100   |       |        |
| 176      | 19.2  | 15.1  | 22.7   |
| 179      | 15.1  | 12.4  | 18.6   |



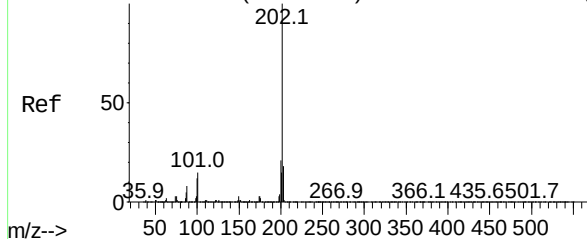
Scan 2412 (17.275 min): BP006476.D\data.ms (-2412) (-)  
 Anthracene  
 Concen: 2.366 ng  
 RT: 17.234 min Scan# 2405  
 Delta R.T. -0.006 min  
 Lab File: BP006828.D  
 Acq: 23 Aug 2021 13:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 178   | Resp: | 113034 |
| Ion      | Ratio | Lower | Upper  |
| 178      | 100   |       |        |
| 176      | 18.7  | 14.9  | 22.3   |
| 179      | 16.2  | 12.2  | 18.2   |





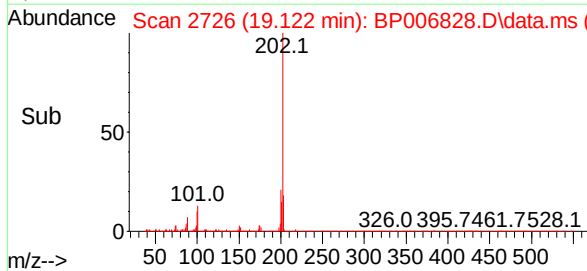
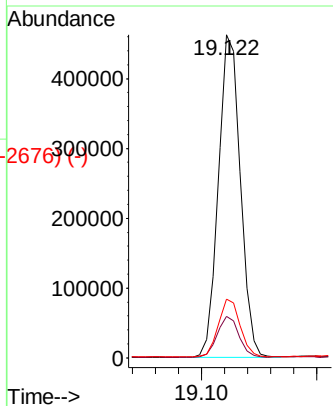
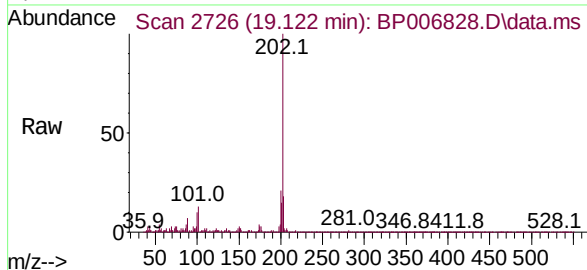
Abundance Scan 2732 (19.157 min): BP006476.D\data.ms (-2732) (-)



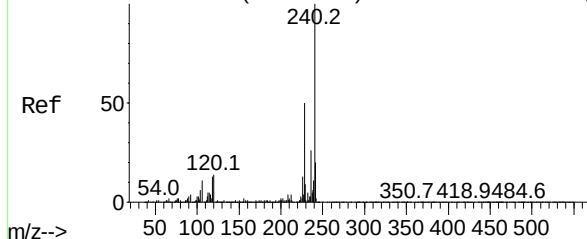
Fluoranthene  
Concen: 11.089 ng  
RT: 19.122 min Scan# 2726  
Delta R.T. -0.006 min  
Lab File: BP006828.D  
Acq: 23 Aug 2021 13:29

Instrument :  
BNA\_P  
ClientSampleId :  
SWCS-09-0205

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.9  | 0.0   | 27.6  |
| 203     | 18.3  | 0.0   | 37.8  |

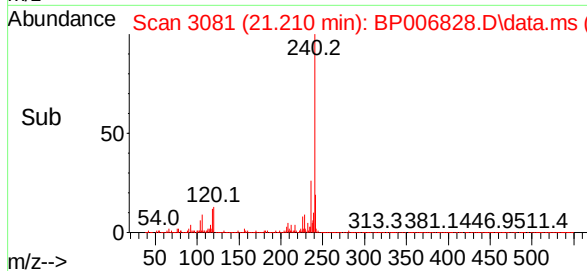
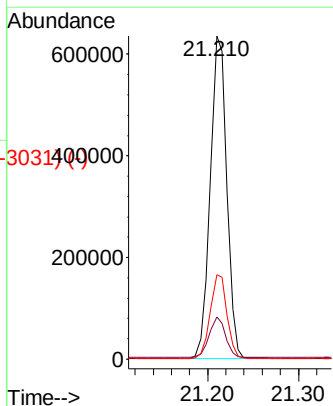
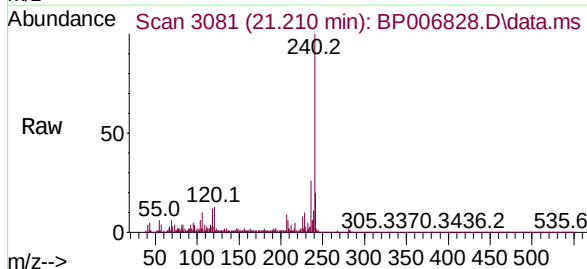


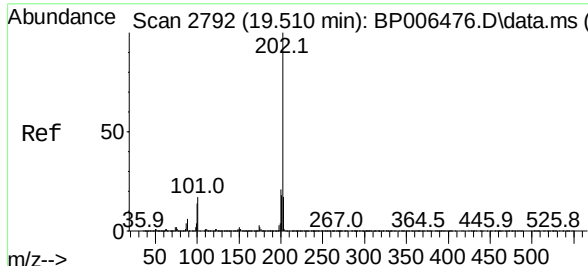
Abundance Scan 3086 (21.239 min): BP006476.D\data.ms (-3079) (-)



Chrysene-d12  
Concen: 20.000 ng  
RT: 21.210 min Scan# 3081  
Delta R.T. -0.006 min  
Lab File: BP006828.D  
Acq: 23 Aug 2021 13:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 13.0  | 6.5   | 9.7#  |
| 236     | 26.1  | 20.6  | 31.0  |

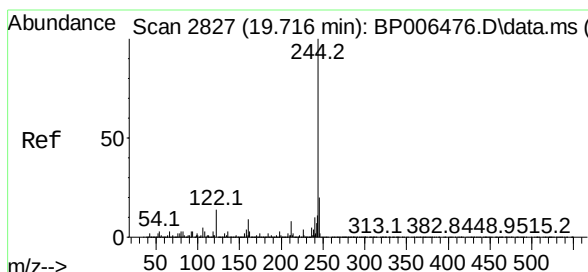
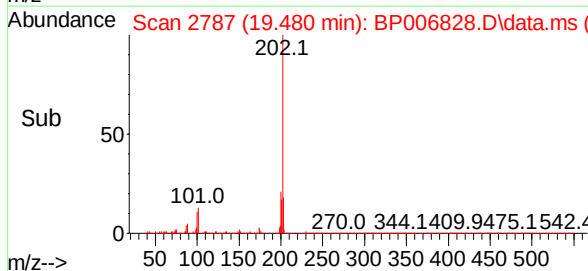
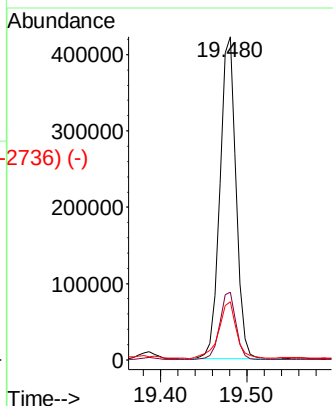
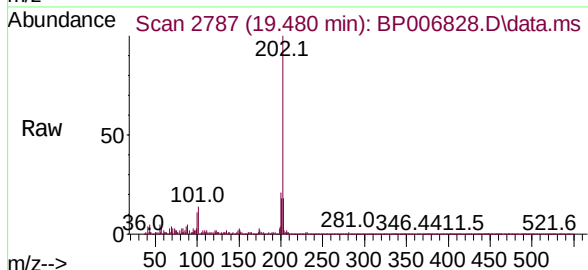




Pyrene  
Concen: 10.332 ng  
RT: 19.480 min Scan# 2787  
Delta R.T. -0.000 min  
Lab File: BP006828.D  
Acq: 23 Aug 2021 13:29

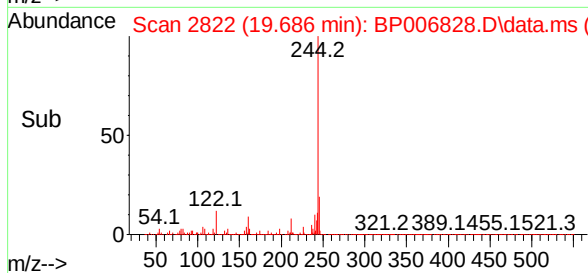
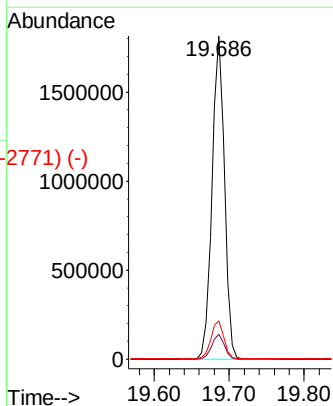
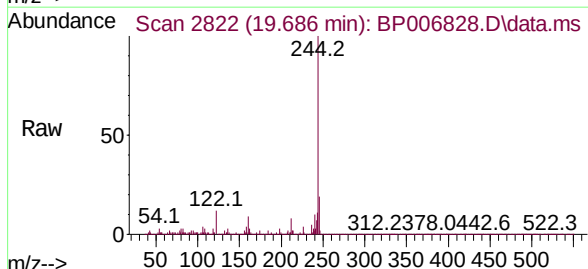
Instrument :  
BNA\_P  
ClientSampleId :  
SWCS-09-0205

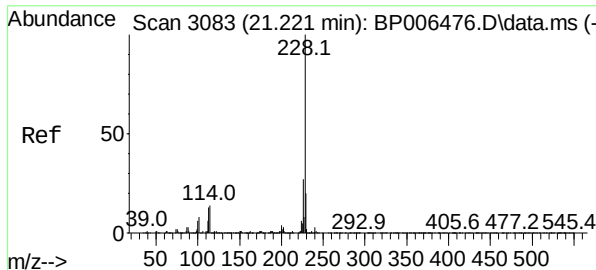
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.0  | 16.3  | 24.5  |
| 203     | 18.0  | 14.2  | 21.2  |



Terphenyl-d14  
Concen: 52.439 ng  
RT: 19.686 min Scan# 2822  
Delta R.T. -0.000 min  
Lab File: BP006828.D  
Acq: 23 Aug 2021 13:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.7   | 6.0   | 9.0   |
| 122     | 11.9  | 7.1   | 10.7# |

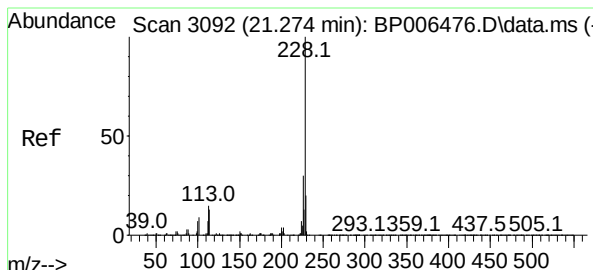
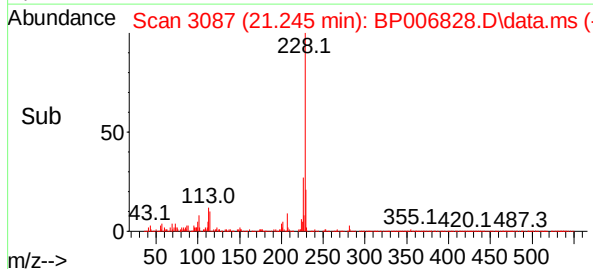
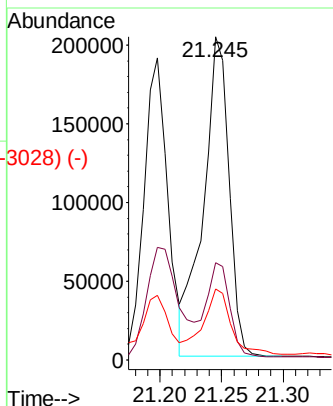
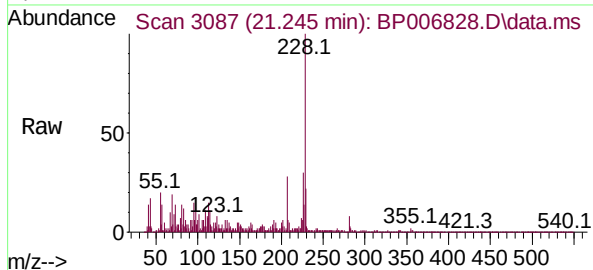




Scan 3083 (21.221 min): BP006476.D\data.ms (-3083) (-)  
 Benzo(a)anthracene  
 Concen: 5.623 ng  
 RT: 21.245 min Scan# 3087  
 Delta R.T. 0.047 min  
 Lab File: BP006828.D  
 Acq: 23 Aug 2021 13:29

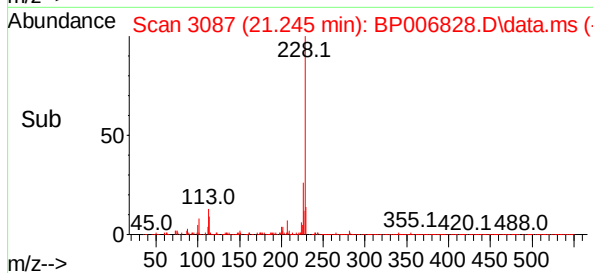
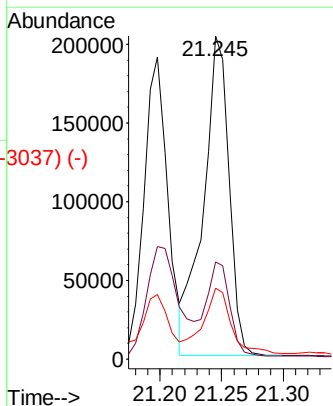
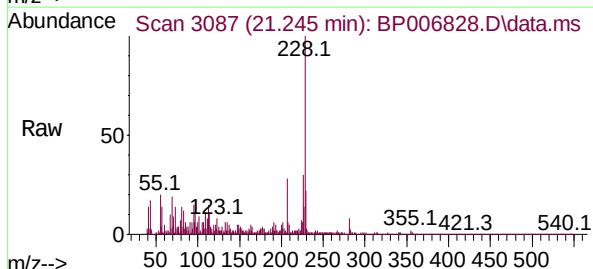
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SWCS-09-0205

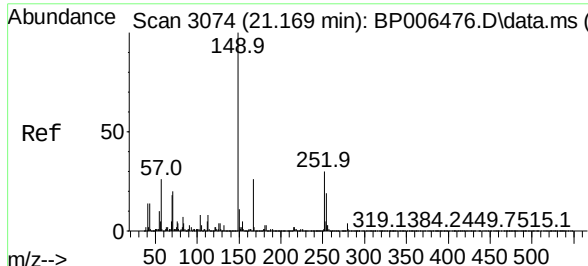
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 228   | Resp: | 295444 |
| Ion      | Ratio | Lower | Upper  |
| 228      | 100   |       |        |
| 226      | 30.1  | 21.6  | 32.4   |
| 229      | 21.9  | 15.8  | 23.6   |



Scan 3092 (21.274 min): BP006476.D\data.ms (-3092) (-)  
 Chrysene  
 Concen: 5.800 ng  
 RT: 21.245 min Scan# 3087  
 Delta R.T. -0.006 min  
 Lab File: BP006828.D  
 Acq: 23 Aug 2021 13:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 228   | Resp: | 295444 |
| Ion      | Ratio | Lower | Upper  |
| 228      | 100   |       |        |
| 226      | 30.1  | 23.8  | 35.6   |
| 229      | 21.9  | 15.4  | 23.2   |

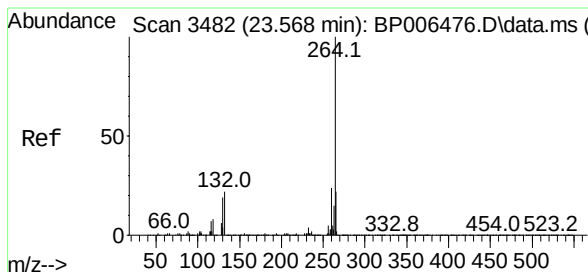
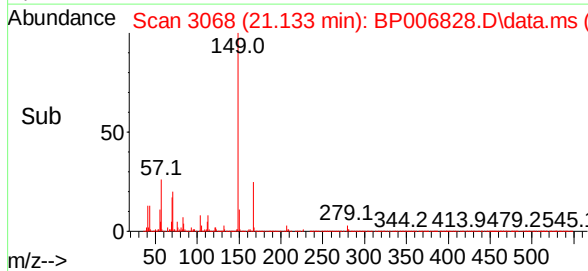
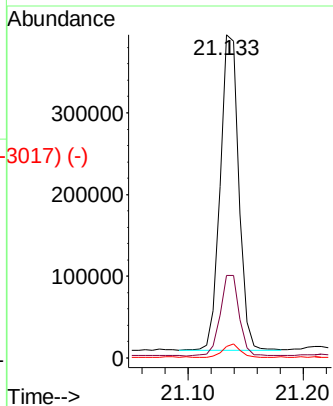
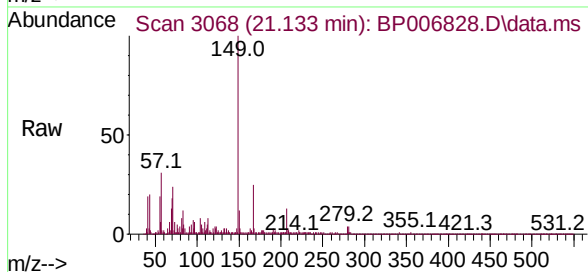




Scan 3074 (21.169 min): BP006476.D\data.ms (-3067) (-)  
 Bis(2-ethylhexyl)phthalate  
 Concen: 12.290 ng  
 RT: 21.133 min Scan# 3068  
 Delta R.T. -0.000 min  
 Lab File: BP006828.D  
 Acq: 23 Aug 2021 13:29

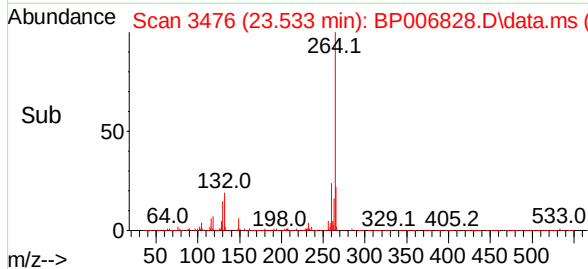
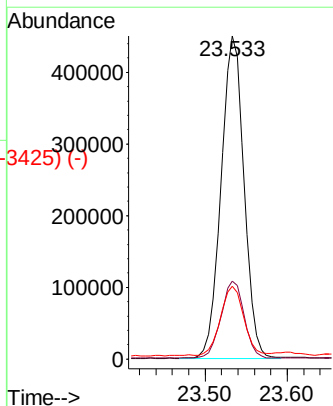
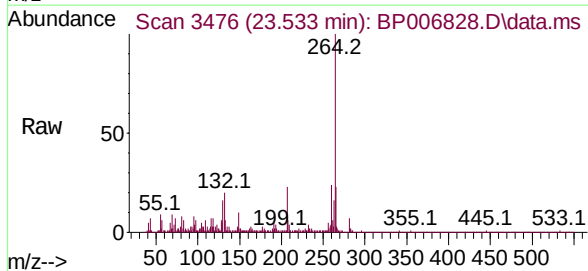
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SWCS-09-0205

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 436149 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 167      | 25.5  | 21.9  | 32.9   |
| 279      | 3.6   | 4.3   | 6.5#   |

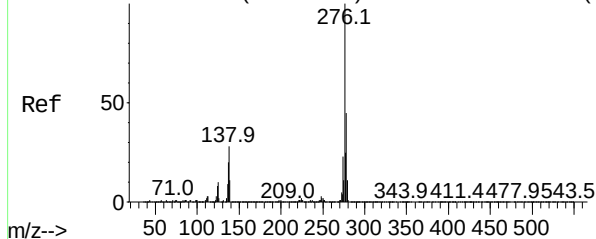


Scan 3482 (23.568 min): BP006476.D\data.ms (-3476) (-)  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.533 min Scan# 3476  
 Delta R.T. -0.000 min  
 Lab File: BP006828.D  
 Acq: 23 Aug 2021 13:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 870756 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.1  | 18.6  | 28.0   |
| 265      | 22.7  | 17.6  | 26.4   |



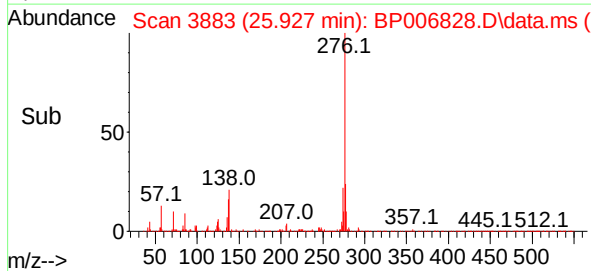
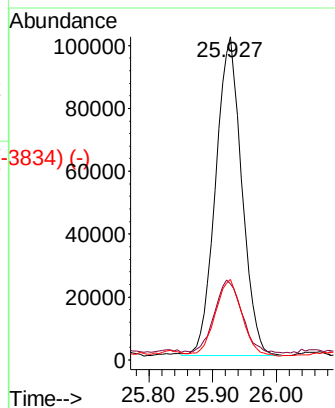
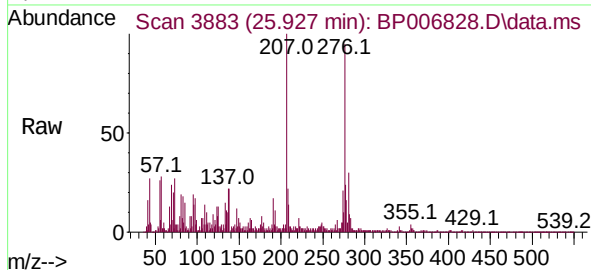
Abundance Scan 3892 (25.980 min): BP006476.D\data.ms (-3892) (-)



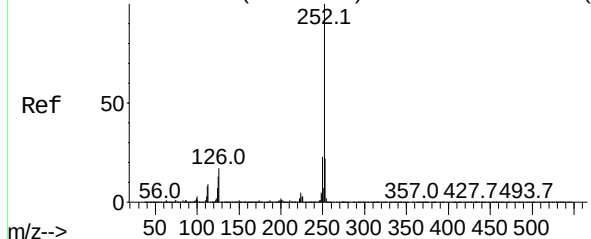
Indeno(1,2,3-cd)pyrene  
Concen: 4.574 ng  
RT: 25.927 min Scan# 3883  
Delta R.T. -0.012 min  
Lab File: BP006828.D  
Acq: 23 Aug 2021 13:29

Instrument :  
BNA\_P  
ClientSampleId :  
SWCS-09-0205

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 23.8  | 15.3  | 22.9# |
| 277     | 24.9  | 20.4  | 30.6  |

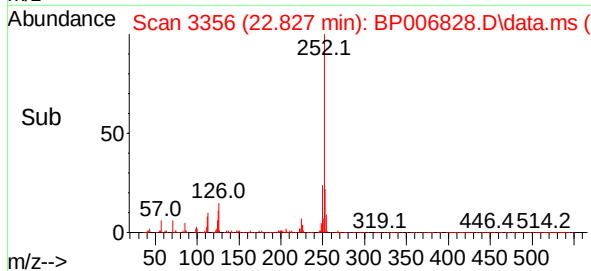
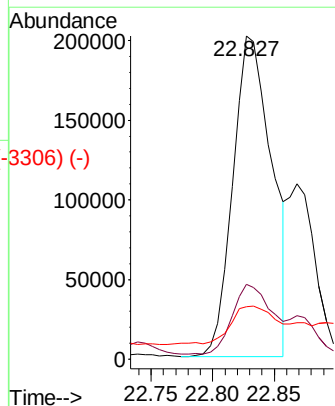
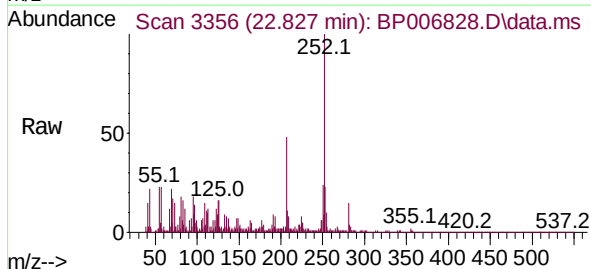


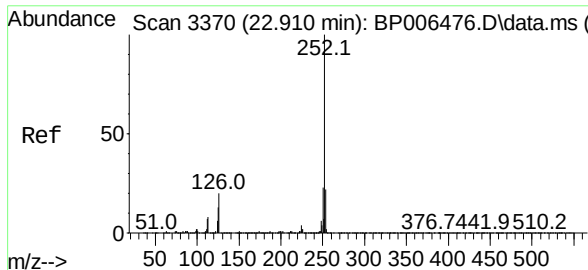
Abundance Scan 3362 (22.863 min): BP006476.D\data.ms (-3362) (-)



Benzo(b)fluoranthene  
Concen: 7.855 ng  
RT: 22.827 min Scan# 3356  
Delta R.T. -0.006 min  
Lab File: BP006828.D  
Acq: 23 Aug 2021 13:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.2  | 17.5  | 26.3  |
| 125     | 16.2  | 6.2   | 9.4#  |

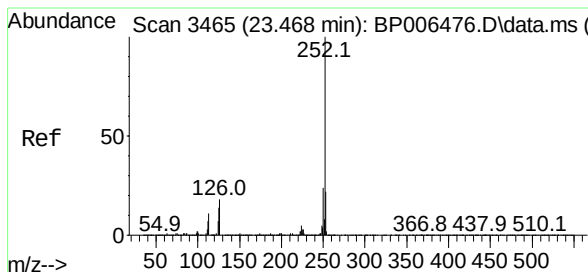
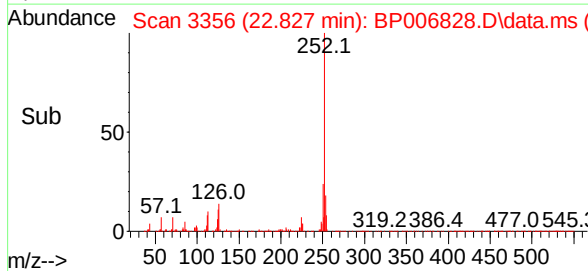
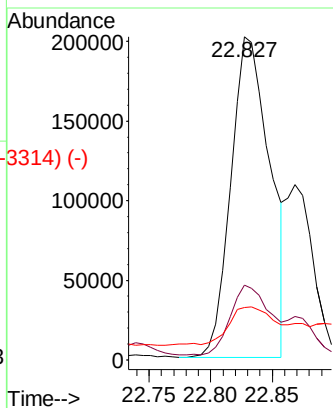
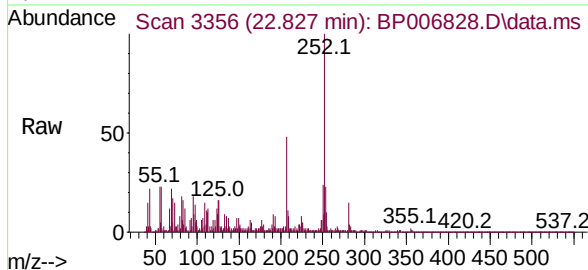




Benzo(k)fluoranthene  
 Concen: 8.181 ng  
 RT: 22.827 min Scan# 3356  
 Delta R.T. -0.053 min  
 Lab File: BP006828.D  
 Acq: 23 Aug 2021 13:29

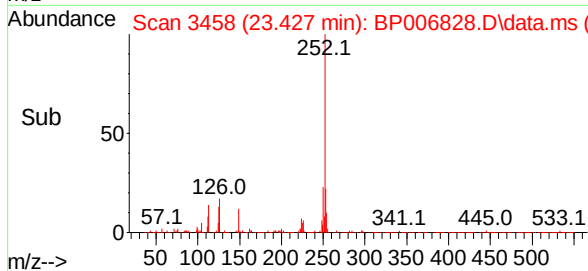
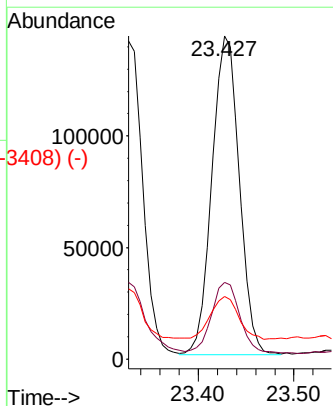
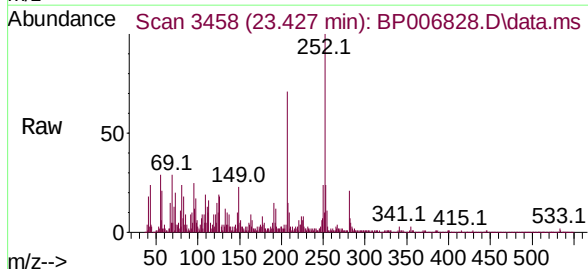
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SWCS-09-0205

| Tgt Ion | 252 | 253  | 125  |
|---------|-----|------|------|
| Ratio   | 100 | 23.2 | 16.2 |
| Lower   |     | 17.6 | 6.0  |
| Upper   |     | 26.4 | 9.0# |

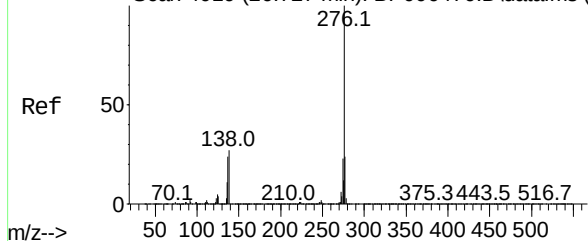


Benzo(a)pyrene  
 Concen: 5.593 ng  
 RT: 23.427 min Scan# 3458  
 Delta R.T. -0.006 min  
 Lab File: BP006828.D  
 Acq: 23 Aug 2021 13:29

| Tgt Ion | 252 | 253  | 125  |
|---------|-----|------|------|
| Ratio   | 100 | 23.7 | 19.3 |
| Lower   |     | 17.9 | 6.5  |
| Upper   |     | 26.9 | 9.7# |



Abundance Scan 4019 (26.727 min): BP006476.D\data.ms (-4000)

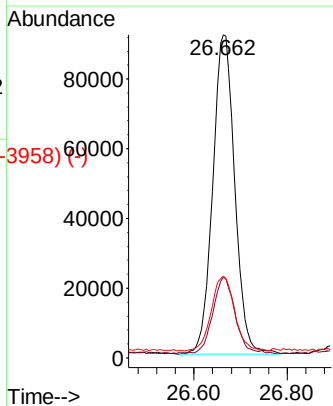
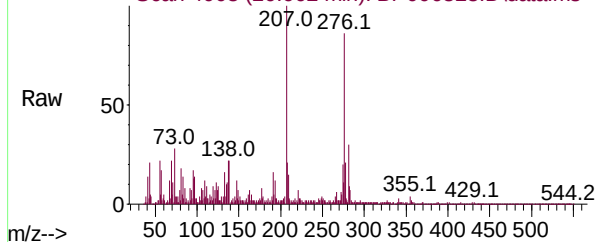


Benzo(g,h,i)perylene  
Concen: 5.736 ng  
RT: 26.662 min Scan# 4008  
Delta R.T. -0.006 min  
Lab File: BP006828.D  
Acq: 23 Aug 2021 13:29

Instrument :  
BNA\_P  
ClientSampleId :  
SWCS-09-0205

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 300075 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 25.0  | 18.9  | 28.3   |
| 138       | 25.4  | 12.6  | 18.8#  |

Abundance Scan 4008 (26.662 min): BP006828.D\data.ms



Abundance Scan 4008 (26.662 min): BP006828.D\data.ms (-3958)

