

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110620\  
 Data File : BP003849.D  
 Acq On : 06 Nov 2020 20:14  
 Operator : CG/JU  
 Sample : L4657-02 2X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PAV-B49-110520-0-10

Quant Time: Nov 06 23:34:39 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

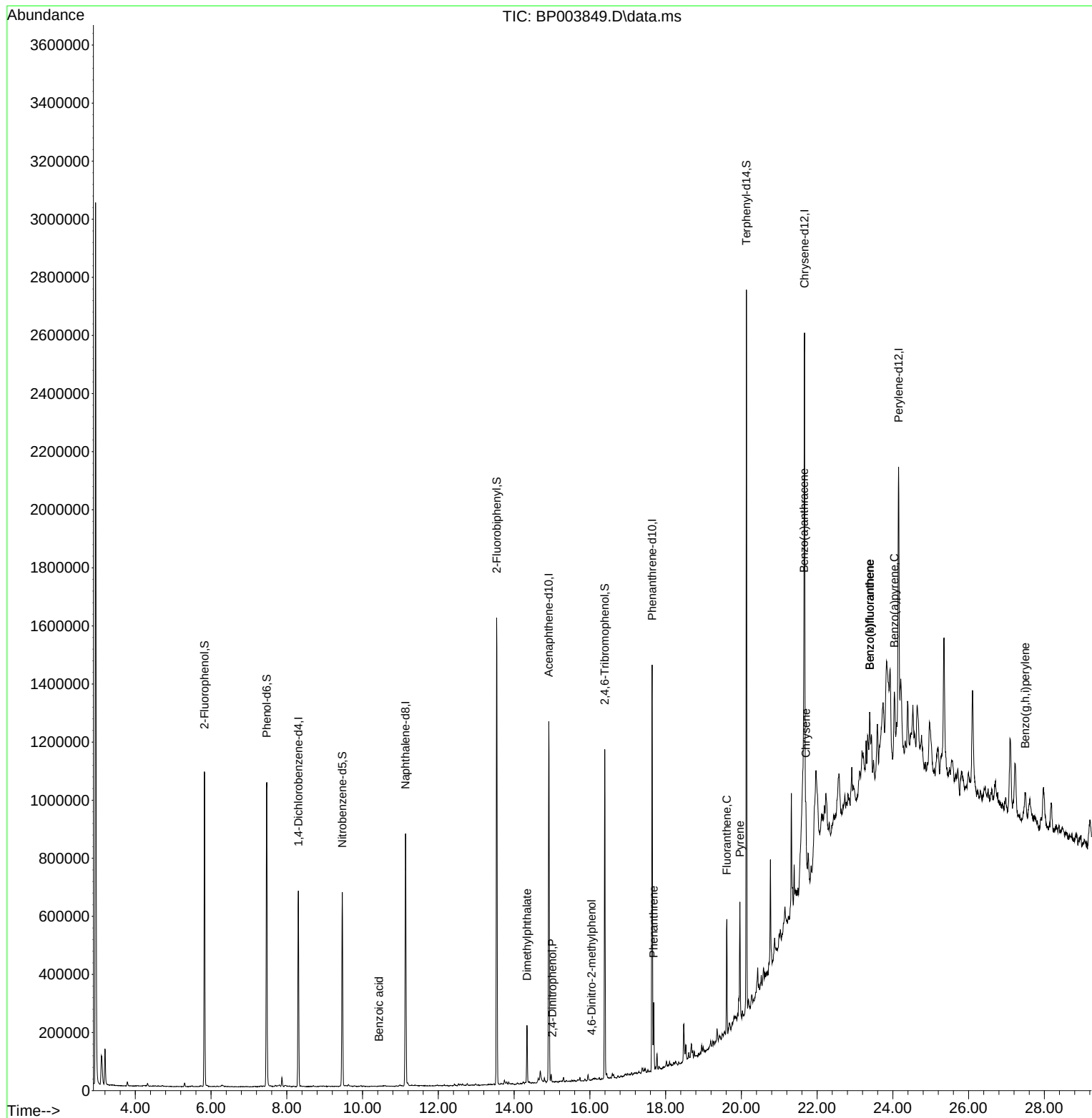
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.304  | 152  | 178650   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.134 | 136  | 689522   | 20.00     | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.916 | 164  | 416476   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.645 | 188  | 830048   | 20.00     | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.668 | 240  | 741304   | 20.00     | ng    | 0.00     |
| 86) Perylene-d12              | 24.151 | 264  | 768189   | 20.00     | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.828  | 112  | 458207   | 42.81     | ng    | 0.00     |
| 7) Phenol-d6                  | 7.469  | 99   | 591350   | 38.48     | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.463  | 82   | 368773   | 26.19     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.392 | 330  | 208103   | 39.95     | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.539 | 172  | 822819   | 27.62     | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.133 | 244  | 994997   | 25.93     | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 7.404  | 77   | 300      | Below Cal | #     | 55       |
| 32) Benzoic acid              | 10.434 | 122  | 103      | 8.32 ng   | #     | 37       |
| 50) Dimethylphthalate         | 14.339 | 163  | 125107   | 3.84 ng   | #     | 98       |
| 54) 2,4-Dinitrophenol         | 15.004 | 184  | 16       | 2.74 ng   | #     | 1        |
| 65) 4,6-Dinitro-2-methylph... | 16.045 | 198  | 103      | 6.36 ng   | #     | 1        |
| 71) Phenanthrene              | 17.686 | 178  | 138389   | 2.97 ng   |       | 98       |
| 75) Fluoranthene              | 19.616 | 202  | 230840   | 4.29 ng   |       | 99       |
| 78) Pyrene                    | 19.963 | 202  | 231901   | 4.61 ng   |       | 99       |
| 81) Benzo(a)anthracene        | 21.651 | 228  | 117106   | 2.40 ng   | #     | 92       |
| 83) Chrysene                  | 21.704 | 228  | 112694   | 2.40 ng   | #     | 93       |
| 88) Benzo(b)fluoranthene      | 23.392 | 252  | 157086   | 3.12 ng   | #     | 85       |
| 89) Benzo(k)fluoranthene      | 23.392 | 252  | 157086   | 3.16 ng   | #     | 86       |
| 90) Benzo(a)pyrene            | 24.039 | 252  | 132699   | 2.85 ng   | #     | 88       |
| 92) Benzo(g,h,i)perylene      | 27.498 | 276  | 112572   | 2.52 ng   | #     | 93       |
| -----                         |        |      |          |           |       |          |

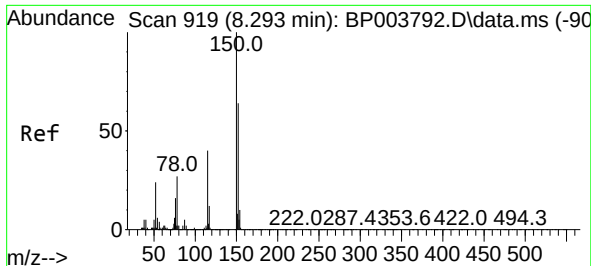
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110620\  
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ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_P  
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PAV-B49-110520-0-10

Quant Time: Nov 06 23:34:39 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

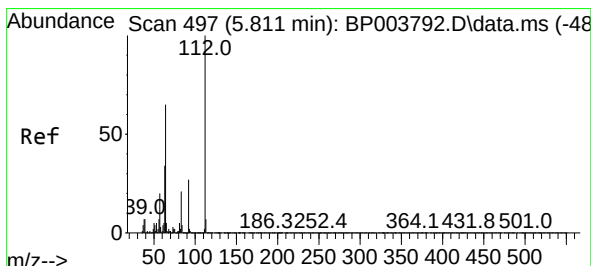
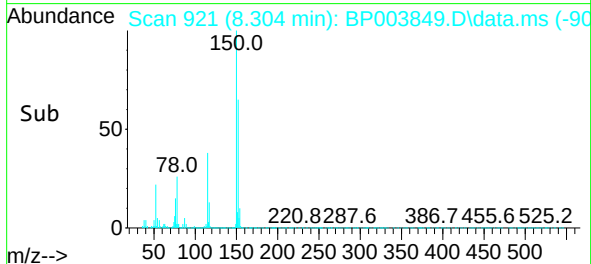
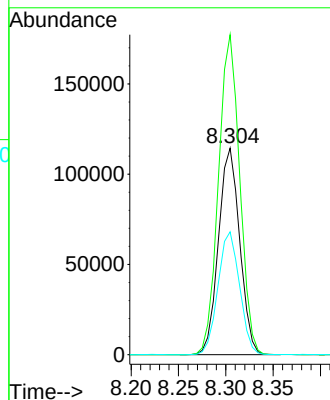
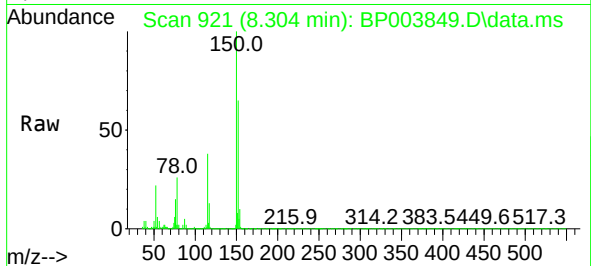




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.304 min Scan# 921  
Delta R.T. -0.001 min  
Lab File: BP003849.D  
Acq: 06 Nov 2020 20:14

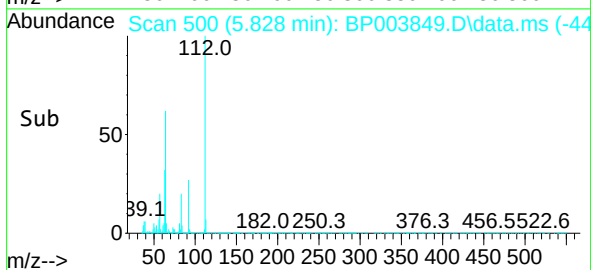
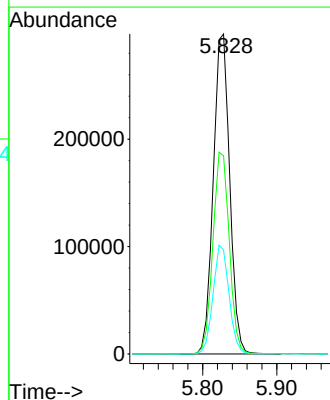
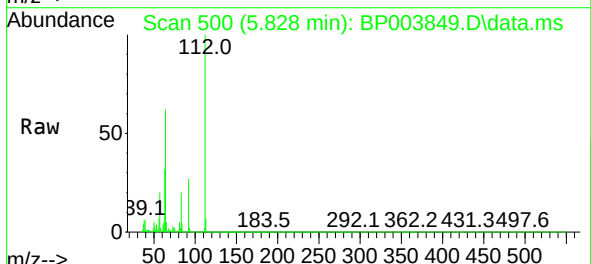
Instrument :  
BNA\_P  
ClientSampleId :  
PAV-B49-110520-0-10

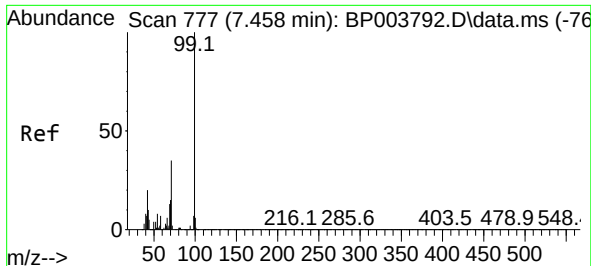
Tgt Ion:152 Resp: 178650  
Ion Ratio Lower Upper  
152 100  
150 154.9 123.8 185.6  
115 59.5 43.8 65.6



#5  
2-Fluorophenol  
Concen: 42.81 ng  
RT: 5.828 min Scan# 500  
Delta R.T. 0.006 min  
Lab File: BP003849.D  
Acq: 06 Nov 2020 20:14

Tgt Ion:112 Resp: 458207  
Ion Ratio Lower Upper  
112 100  
64 61.9 32.8 49.2#  
63 32.4 17.0 25.4#

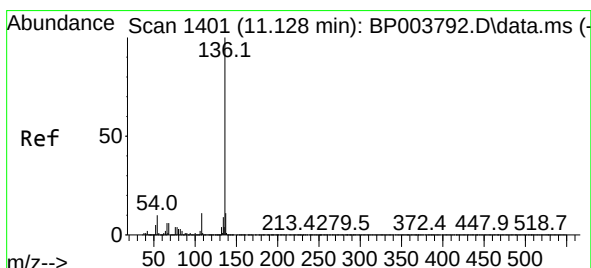
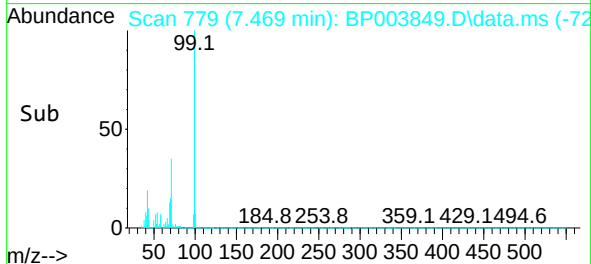
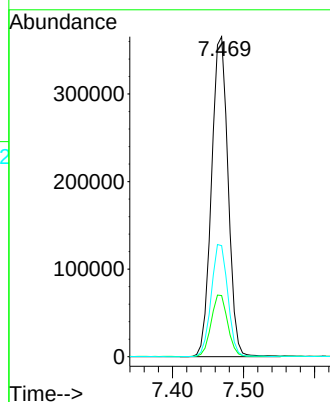
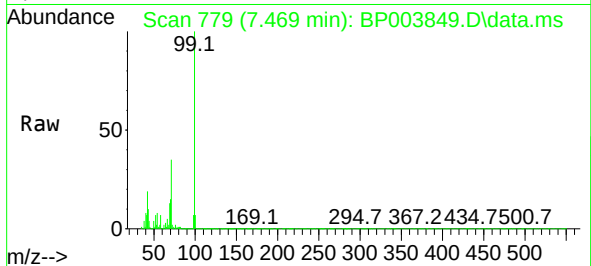




#7  
Phenol-d6  
Concen: 38.48 ng  
RT: 7.469 min Scan# 779  
Delta R.T. -0.000 min  
Lab File: BP003849.D  
Acq: 06 Nov 2020 20:14

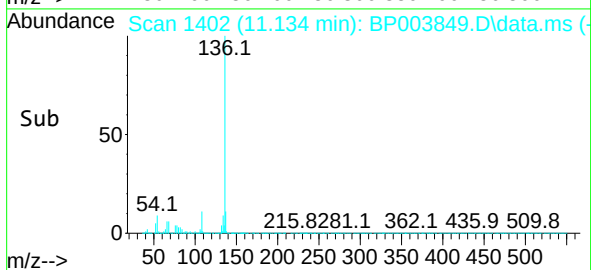
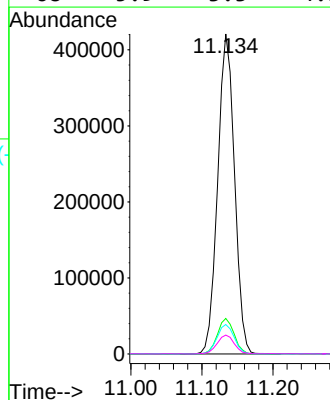
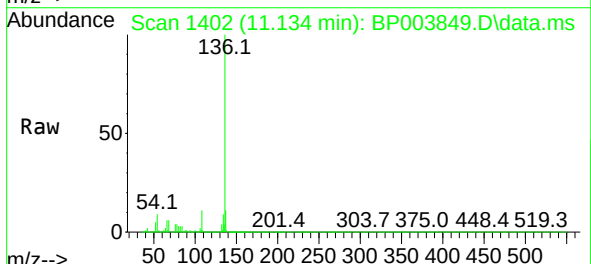
Instrument :  
BNA\_P  
ClientSampleId :  
PAV-B49-110520-0-10

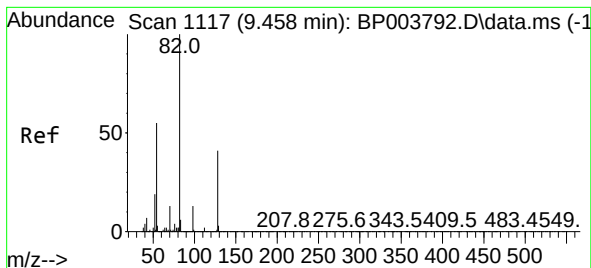
Tgt Ion: 99 Resp: 591350  
Ion Ratio Lower Upper  
99 100  
42 19.1 8.6 13.0#  
71 34.7 23.4 35.2



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.134 min Scan# 1402  
Delta R.T. -0.000 min  
Lab File: BP003849.D  
Acq: 06 Nov 2020 20:14

Tgt Ion: 136 Resp: 689522  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.6 13.0  
54 9.2 3.6 5.4#  
68 5.9 3.3 4.9#

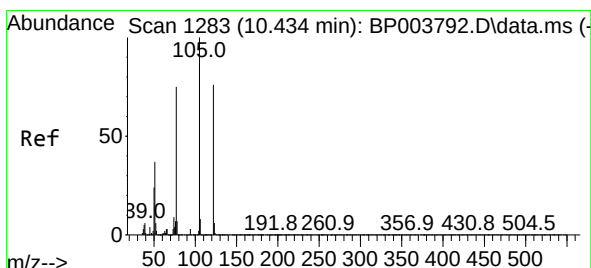
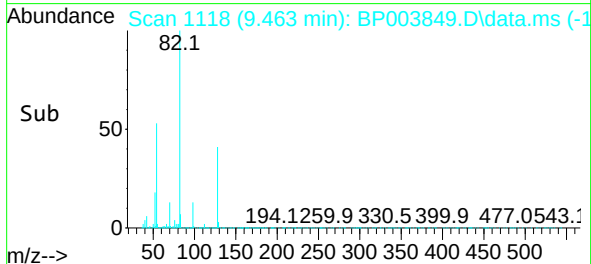
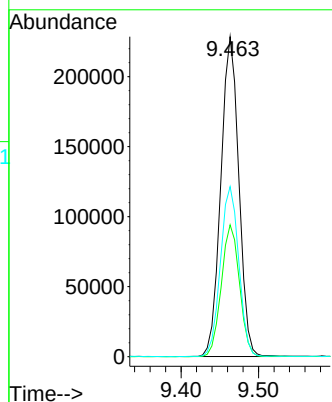
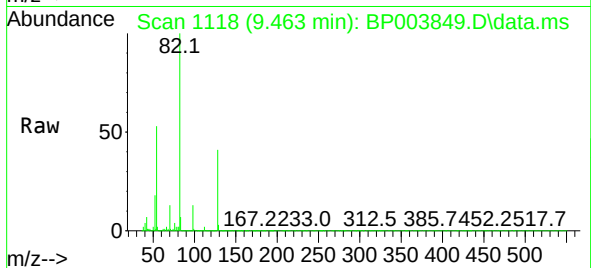




#23  
Nitrobenzene-d5  
Concen: 26.19 ng  
RT: 9.463 min Scan# 1118  
Delta R.T. -0.006 min  
Lab File: BP003849.D  
Acq: 06 Nov 2020 20:14

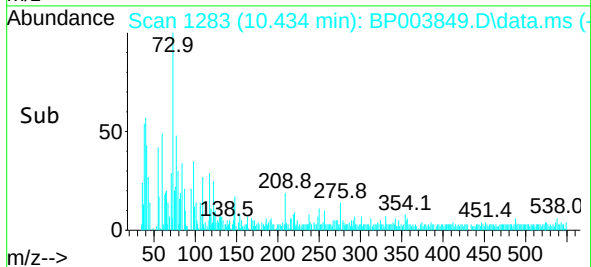
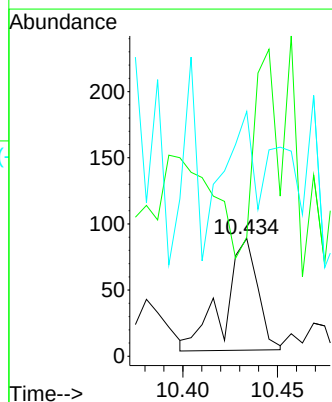
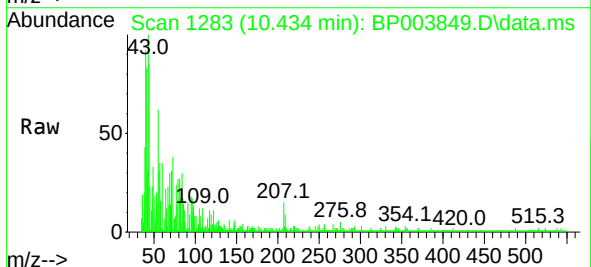
Instrument :  
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ClientSampleId :  
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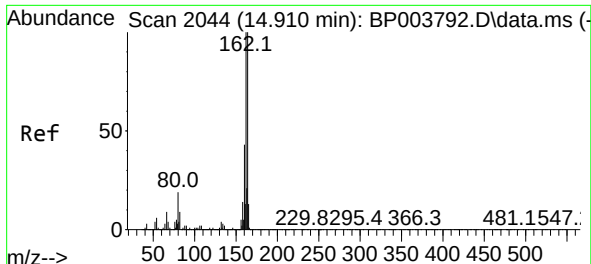
Tgt Ion: 82 Resp: 368773  
Ion Ratio Lower Upper  
82 100  
128 41.2 45.6 68.4#  
54 53.2 30.1 45.1#



#32  
Benzoic acid  
Concen: 8.32 ng  
RT: 10.434 min Scan# 1283  
Delta R.T. -0.018 min  
Lab File: BP003849.D  
Acq: 06 Nov 2020 20:14

Tgt Ion: 122 Resp: 103  
Ion Ratio Lower Upper  
122 100  
105 78.3 94.1 134.1#  
77 160.9 50.1 90.1#

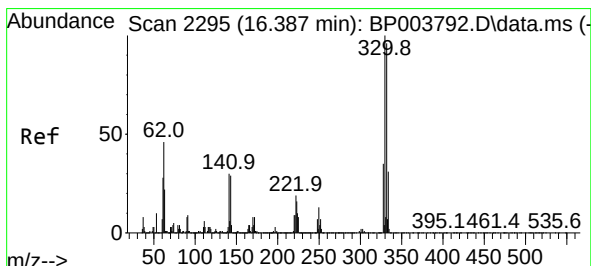
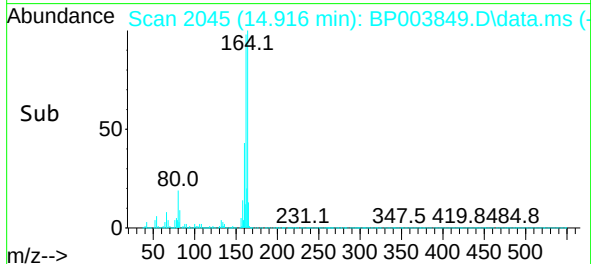
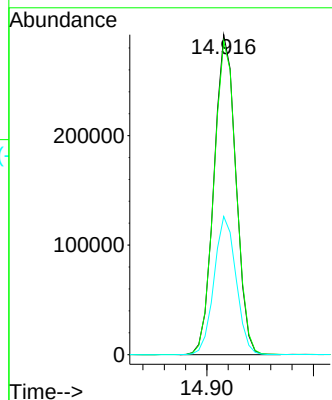
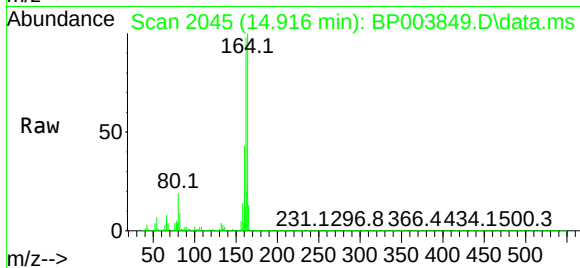




#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.916 min Scan# 2045  
Delta R.T. -0.000 min  
Lab File: BP003849.D  
Acq: 06 Nov 2020 20:14

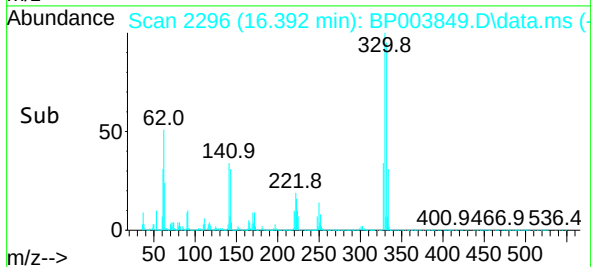
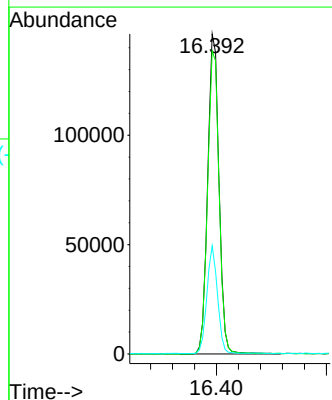
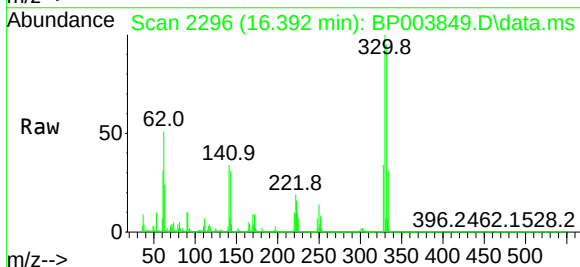
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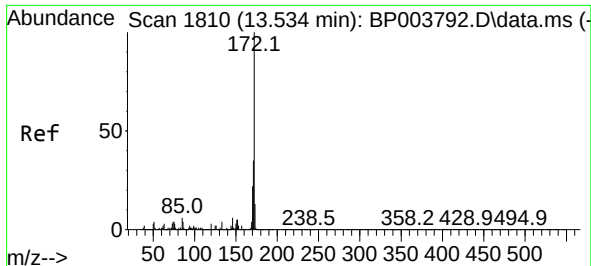
Tgt Ion:164 Resp: 416476  
Ion Ratio Lower Upper  
164 100  
162 98.0 79.4 119.2  
160 43.2 36.1 54.1



#42  
2,4,6-Tribromophenol  
Concen: 39.95 ng  
RT: 16.392 min Scan# 2296  
Delta R.T. -0.006 min  
Lab File: BP003849.D  
Acq: 06 Nov 2020 20:14

Tgt Ion:330 Resp: 208103  
Ion Ratio Lower Upper  
330 100  
332 96.4 77.1 115.7  
141 31.7 23.4 35.2

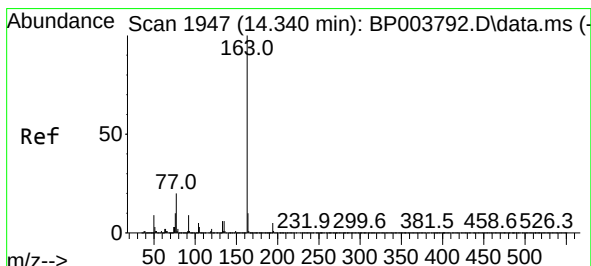
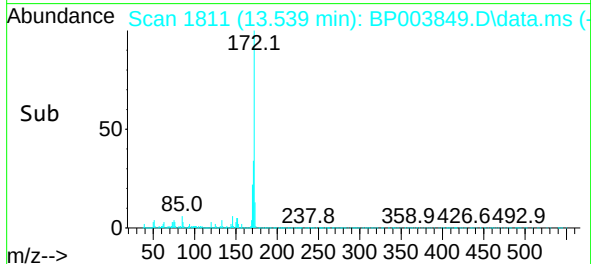
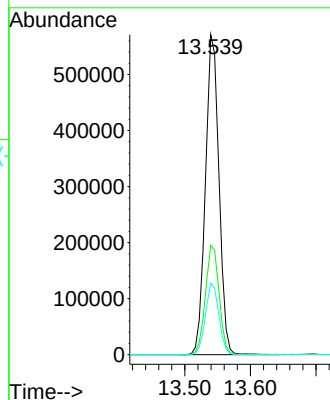
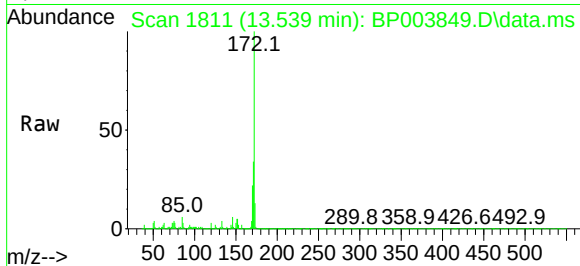




#45  
2-Fluorobiphenyl  
Concen: 27.62 ng  
RT: 13.539 min Scan# 1811  
Delta R.T. -0.006 min  
Lab File: BP003849.D  
Acq: 06 Nov 2020 20:14

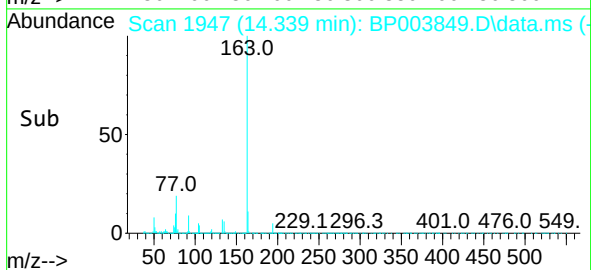
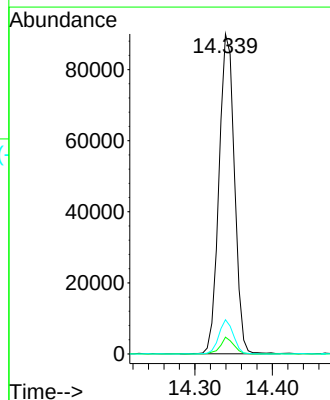
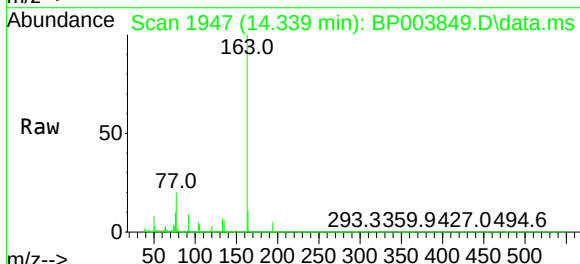
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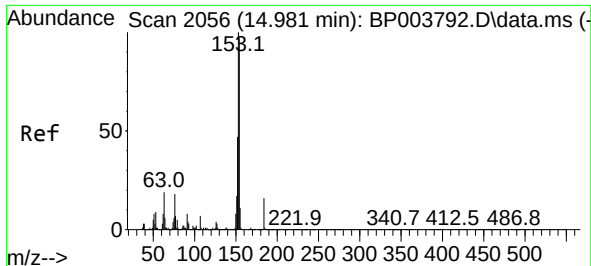
Tgt Ion:172 Resp: 822819  
Ion Ratio Lower Upper  
172 100  
171 34.2 28.5 42.7  
170 22.3 19.2 28.8



#50  
Dimethylphthalate  
Concen: 3.84 ng  
RT: 14.339 min Scan# 1947  
Delta R.T. -0.006 min  
Lab File: BP003849.D  
Acq: 06 Nov 2020 20:14

Tgt Ion:163 Resp: 125107  
Ion Ratio Lower Upper  
163 100  
194 5.2 3.3 4.9#  
164 10.7 8.2 12.2

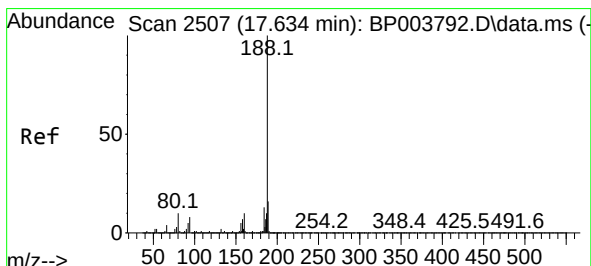
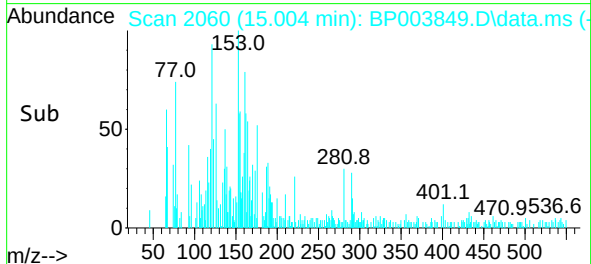
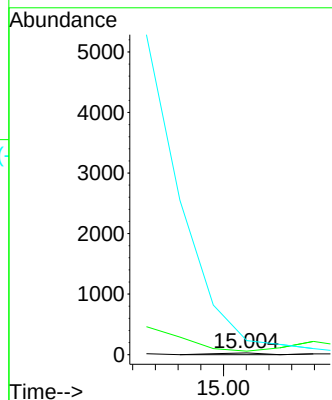
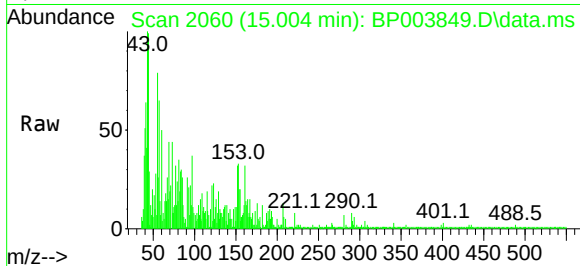




#54  
2,4-Dinitrophenol  
Concen: 2.74 ng  
RT: 15.004 min Scan# 2060  
Delta R.T. 0.006 min  
Lab File: BP003849.D  
Acq: 06 Nov 2020 20:14

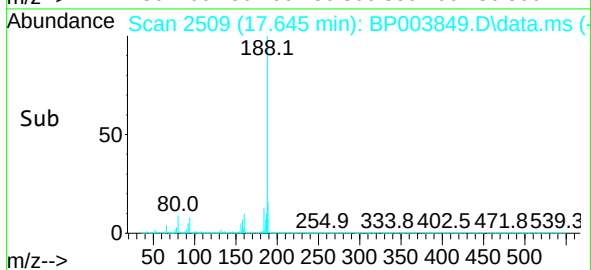
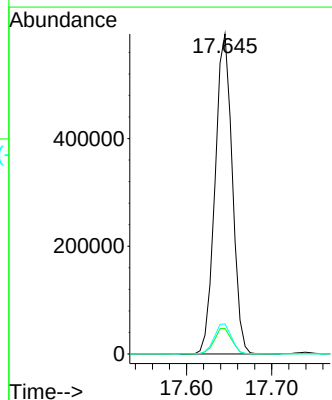
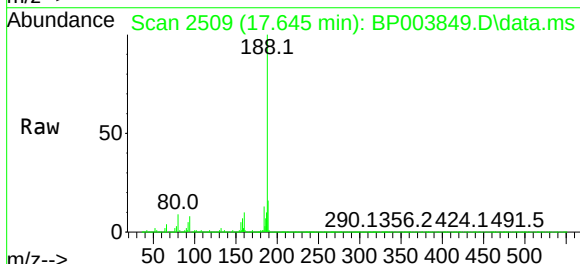
Instrument :  
BNA\_P  
ClientSampleId :  
PAV-B49-110520-0-10

Tgt Ion:184 Resp: 16  
Ion Ratio Lower Upper  
184 100  
63 203.4 32.3 48.5#  
154 803.4 49.1 73.7#

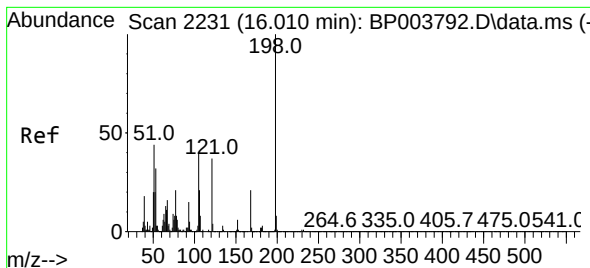


#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.645 min Scan# 2509  
Delta R.T. -0.000 min  
Lab File: BP003849.D  
Acq: 06 Nov 2020 20:14

Tgt Ion:188 Resp: 830048  
Ion Ratio Lower Upper  
188 100  
94 8.0 6.2 9.2  
80 9.4 6.2 9.2#



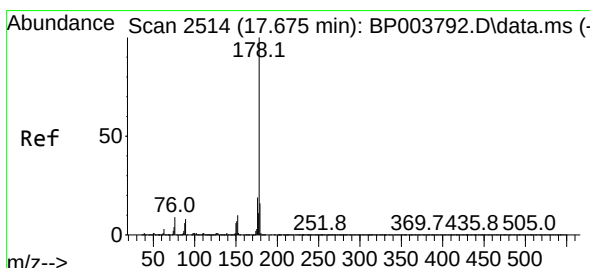
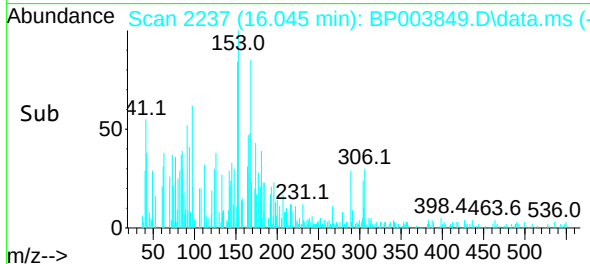
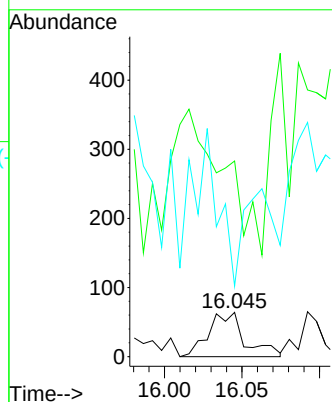
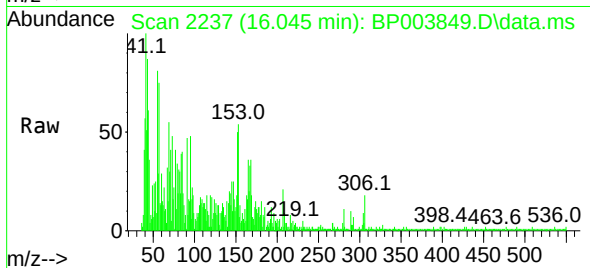




#65  
4,6-Dinitro-2-methylphenol  
Concen: 6.36 ng  
RT: 16.045 min Scan# 2237  
Delta R.T. 0.023 min  
Lab File: BP003849.D  
Acq: 06 Nov 2020 20:14

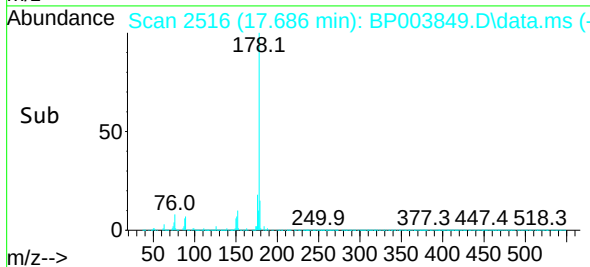
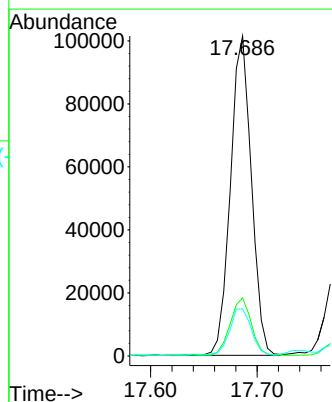
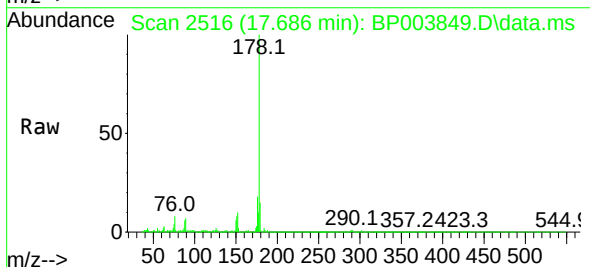
Instrument :  
BNA\_P  
ClientSampleId :  
PAV-B49-110520-0-10

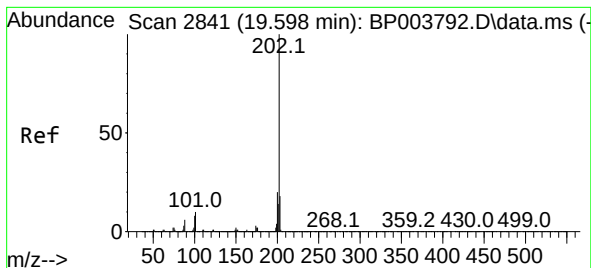
Tgt Ion:198 Resp: 103  
Ion Ratio Lower Upper  
198 100  
51 442.2 6.4 46.4#  
105 159.4 18.9 58.9#



#71  
Phenanthrene  
Concen: 2.97 ng  
RT: 17.686 min Scan# 2516  
Delta R.T. -0.000 min  
Lab File: BP003849.D  
Acq: 06 Nov 2020 20:14

Tgt Ion:178 Resp: 138389  
Ion Ratio Lower Upper  
178 100  
176 18.1 15.3 22.9  
179 14.7 12.5 18.7

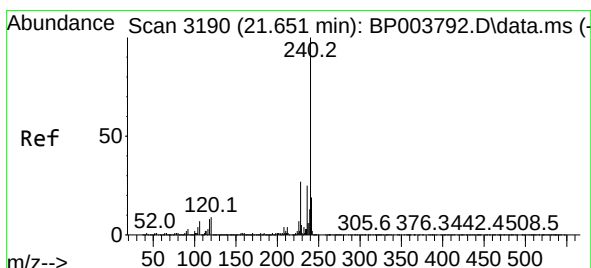
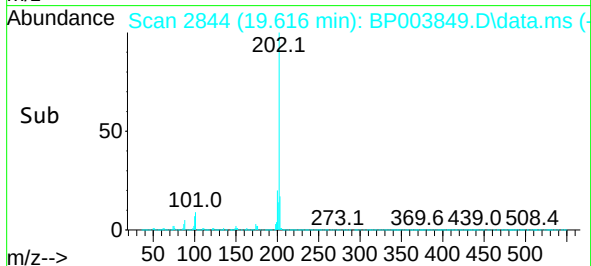
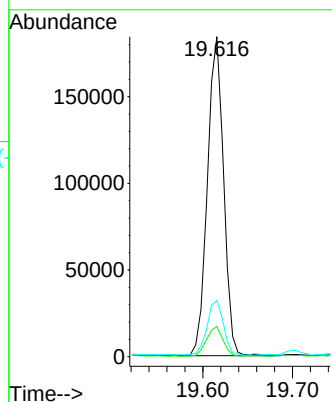
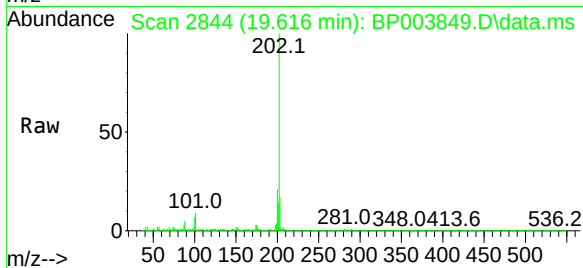




#75  
Fluoranthene  
Concen: 4.29 ng  
RT: 19.616 min Scan# 2844  
Delta R.T. -0.000 min  
Lab File: BP003849.D  
Acq: 06 Nov 2020 20:14

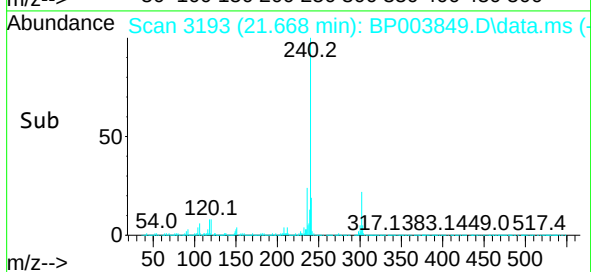
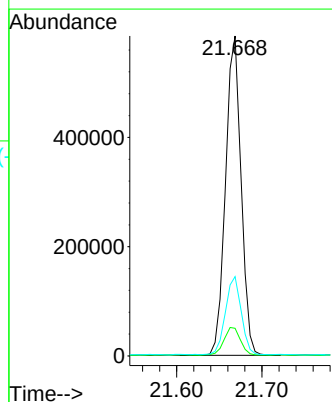
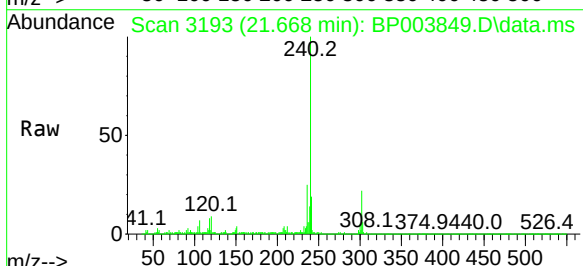
Instrument :  
BNA\_P  
ClientSampleId :  
PAV-B49-110520-0-10

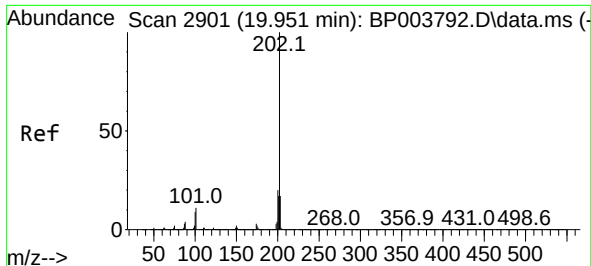
Tgt Ion:202 Resp: 230840  
Ion Ratio Lower Upper  
202 100  
101 9.5 0.0 29.4  
203 17.5 0.0 37.8



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.668 min Scan# 3193  
Delta R.T. -0.000 min  
Lab File: BP003849.D  
Acq: 06 Nov 2020 20:14

Tgt Ion:240 Resp: 741304  
Ion Ratio Lower Upper  
240 100  
120 8.6 7.8 11.6  
236 24.8 20.8 31.2

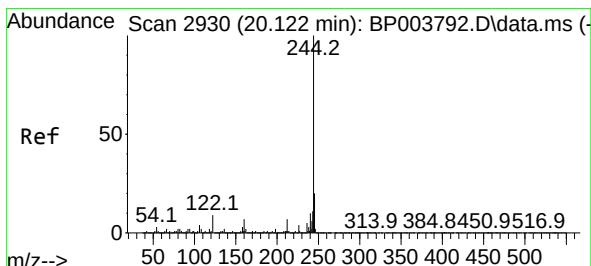
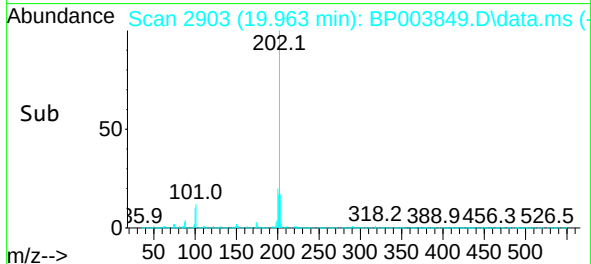
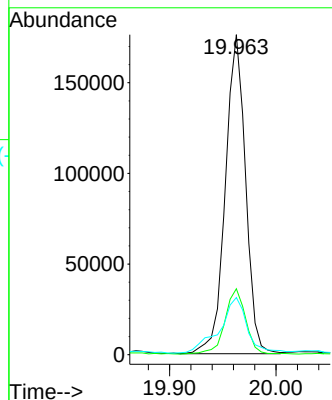
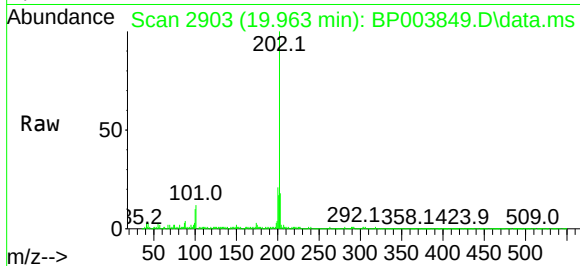




#78  
Pyrene  
Concen: 4.61 ng  
RT: 19.963 min Scan# 2903  
Delta R.T. -0.000 min  
Lab File: BP003849.D  
Acq: 06 Nov 2020 20:14

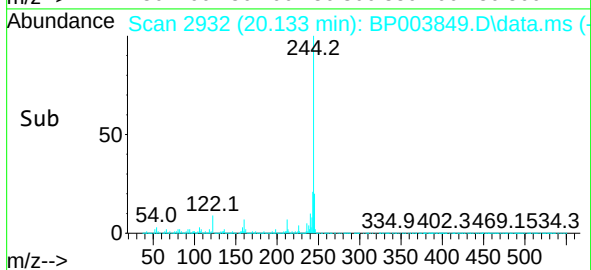
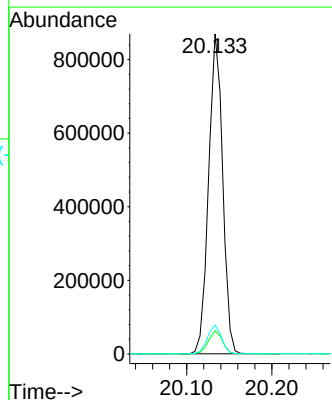
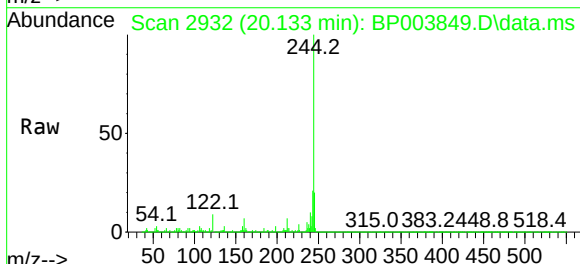
Instrument :  
BNA\_P  
ClientSampleId :  
PAV-B49-110520-0-10

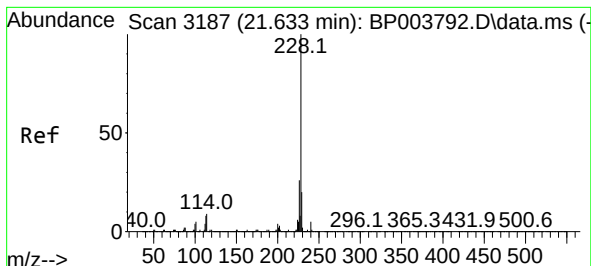
Tgt Ion:202 Resp: 231901  
Ion Ratio Lower Upper  
202 100  
200 20.6 17.1 25.7  
203 17.9 14.2 21.2



#79  
Terphenyl-d14  
Concen: 25.93 ng  
RT: 20.133 min Scan# 2932  
Delta R.T. -0.000 min  
Lab File: BP003849.D  
Acq: 06 Nov 2020 20:14

Tgt Ion:244 Resp: 994997  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.8 8.6  
122 9.1 7.8 11.8





#81

Benzo(a)anthracene

Concen: 2.40 ng

RT: 21.651 min Scan# 3190

Delta R.T. -0.000 min

Lab File: BP003849.D

Acq: 06 Nov 2020 20:14

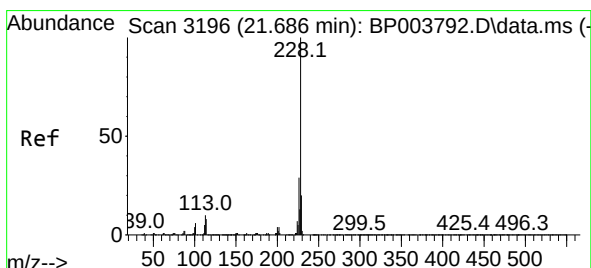
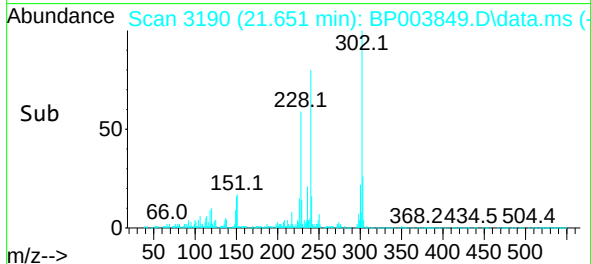
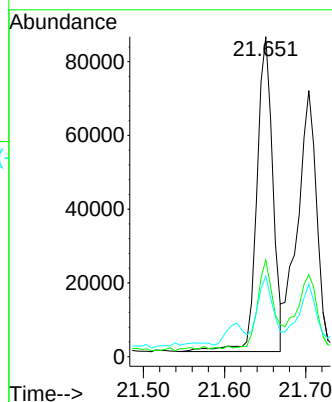
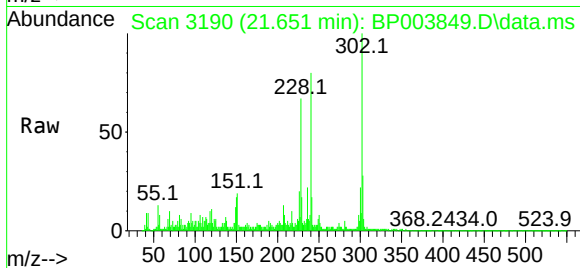
Instrument :

BNA\_P

ClientSampleId :

PAV-B49-110520-0-10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 117106 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.2  | 22.1  | 33.1   |
| 229       | 25.1  | 15.9  | 23.9#  |



#83

Chrysene

Concen: 2.40 ng

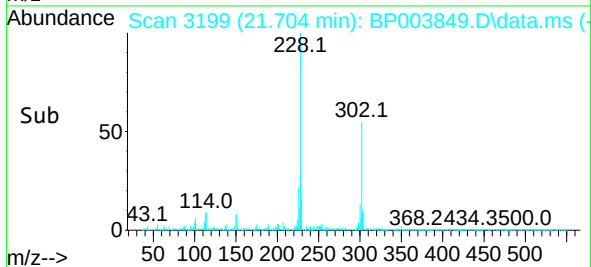
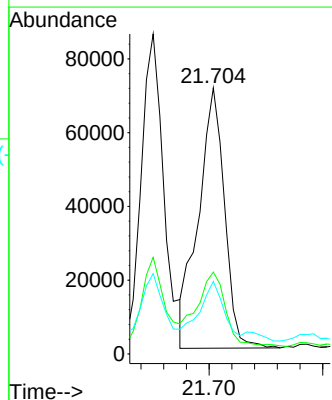
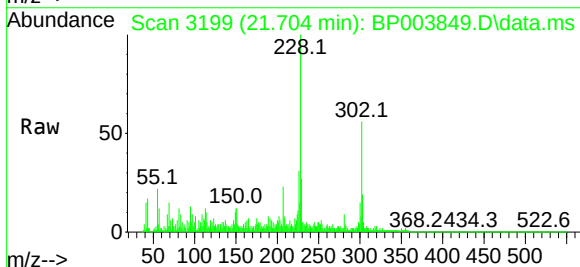
RT: 21.704 min Scan# 3199

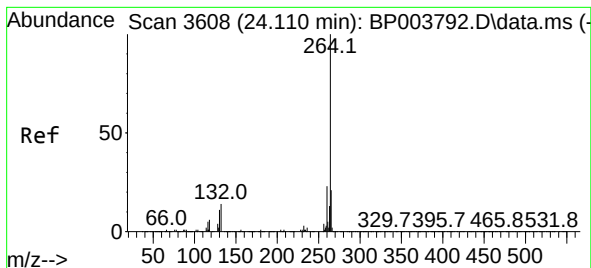
Delta R.T. -0.000 min

Lab File: BP003849.D

Acq: 06 Nov 2020 20:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 112694 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.8  | 24.4  | 36.6   |
| 229       | 27.3  | 15.8  | 23.6#  |

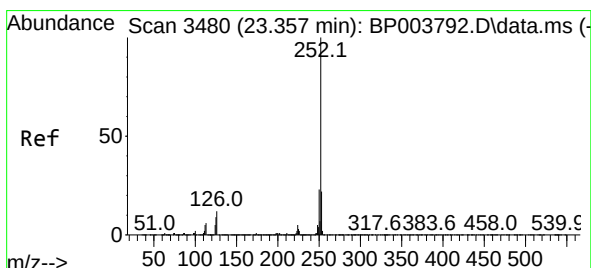
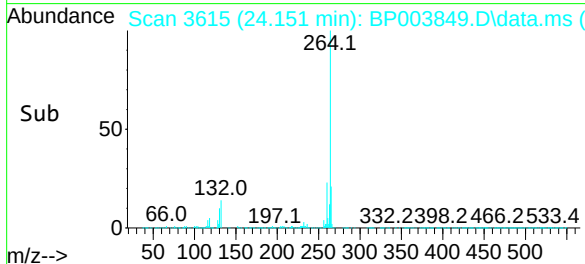
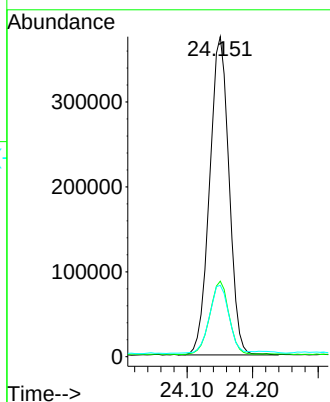
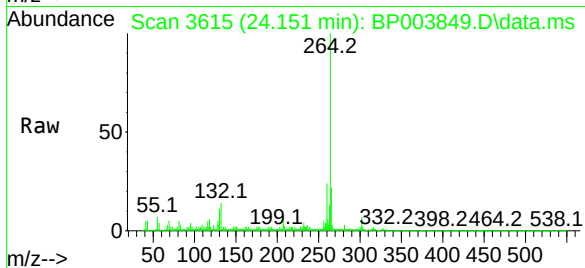




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 24.151 min Scan# 3615  
Delta R.T. 0.006 min  
Lab File: BP003849.D  
Acq: 06 Nov 2020 20:14

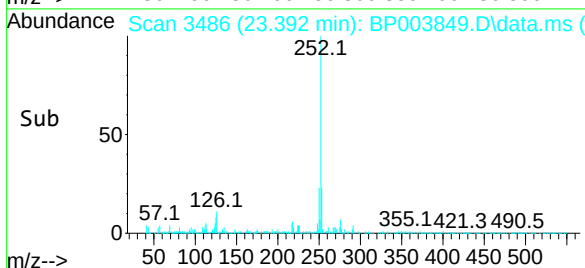
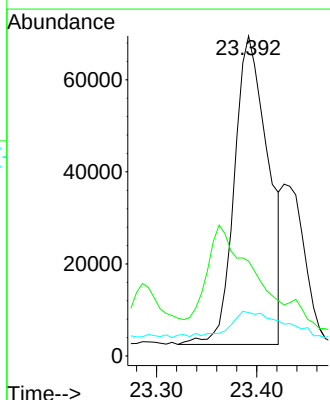
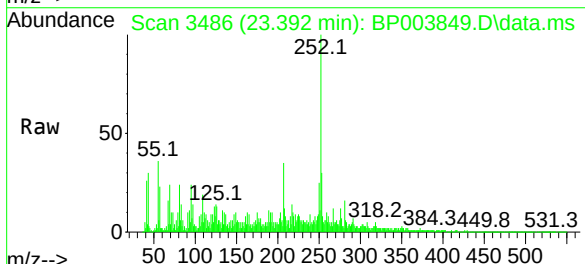
Instrument :  
BNA\_P  
ClientSampleId :  
PAV-B49-110520-0-10

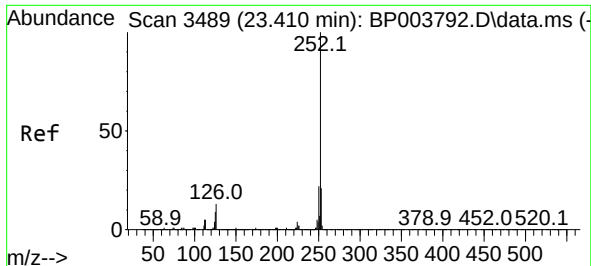
Tgt Ion:264 Resp: 768189  
Ion Ratio Lower Upper  
264 100  
260 23.6 18.8 28.2  
265 22.3 17.4 26.2



#88  
Benzo(b)fluoranthene  
Concen: 3.12 ng  
RT: 23.392 min Scan# 3486  
Delta R.T. -0.000 min  
Lab File: BP003849.D  
Acq: 06 Nov 2020 20:14

Tgt Ion:252 Resp: 157086  
Ion Ratio Lower Upper  
252 100  
253 29.7 17.6 26.4#  
125 13.5 7.3 10.9#

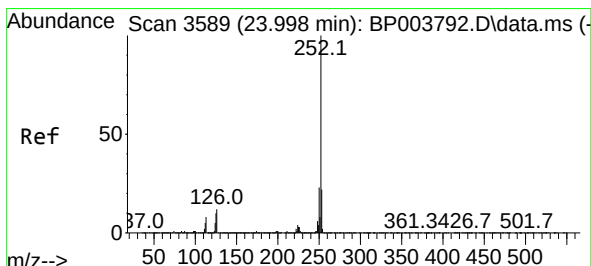
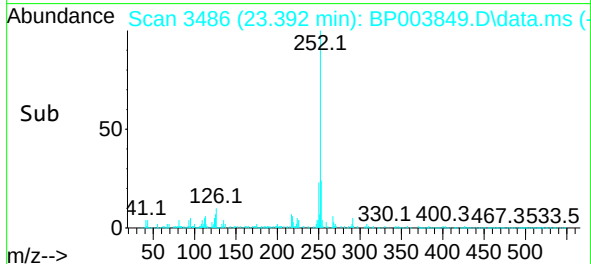
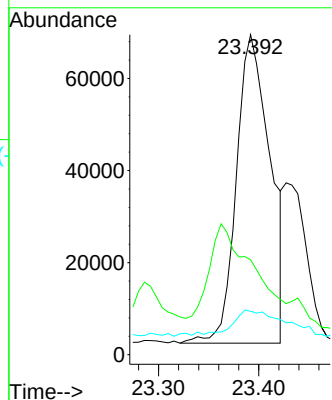
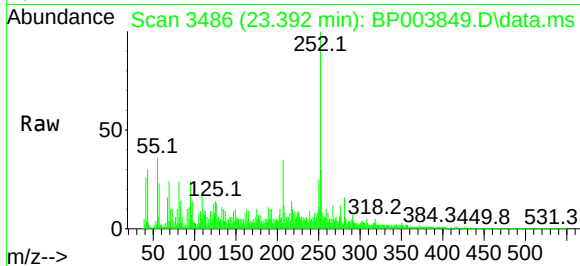




#89  
Benzo(k)fluoranthene  
Concen: 3.16 ng  
RT: 23.392 min Scan# 3486  
Delta R.T. -0.047 min  
Lab File: BP003849.D  
Acq: 06 Nov 2020 20:14

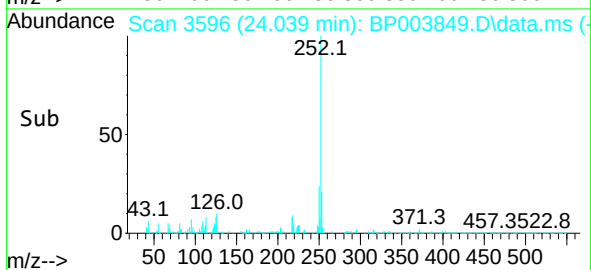
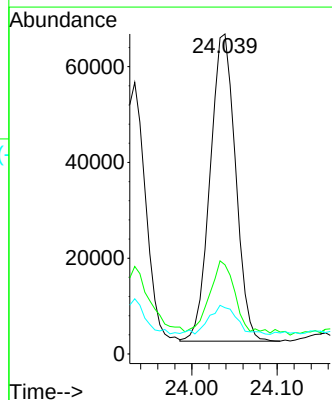
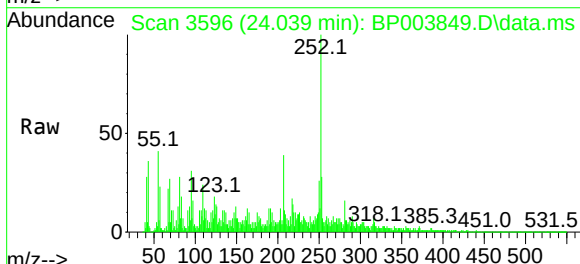
Instrument :  
BNA\_P  
ClientSampleId :  
PAV-B49-110520-0-10

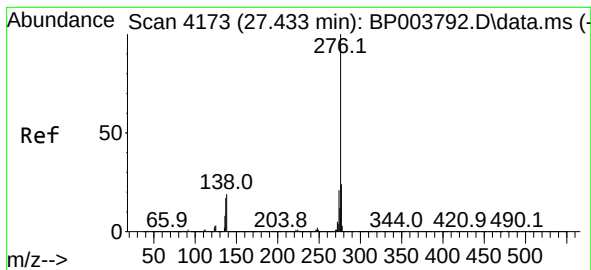
Tgt Ion:252 Resp: 157086  
Ion Ratio Lower Upper  
252 100  
253 29.7 17.8 26.8#  
125 13.5 7.4 11.2#



#90  
Benzo(a)pyrene  
Concen: 2.85 ng  
RT: 24.039 min Scan# 3596  
Delta R.T. 0.006 min  
Lab File: BP003849.D  
Acq: 06 Nov 2020 20:14

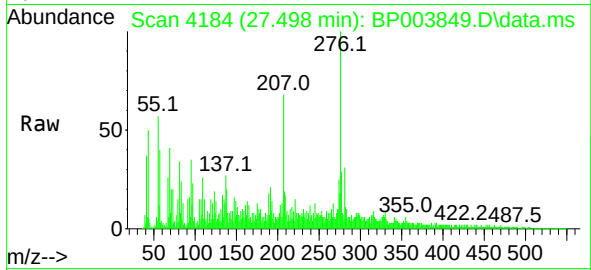
Tgt Ion:252 Resp: 132699  
Ion Ratio Lower Upper  
252 100  
253 27.9 17.4 26.0#  
125 14.4 8.2 12.4#





#92  
 Benzo(g,h,i)perylene  
 Concen: 2.52 ng  
 RT: 27.498 min Scan# 4184  
 Delta R.T. 0.006 min  
 Lab File: BP003849.D  
 Acq: 06 Nov 2020 20:14

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PAV-B49-110520-0-10



Tgt Ion: 276 Resp: 112572  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 29.3  | 19.0  | 28.6# |
| 138 | 19.5  | 16.6  | 24.8  |

