

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100920\  
 Data File : BP003599.D  
 Acq On : 09 Oct 2020 18:21  
 Operator : CG/JU  
 Sample : L4319-03  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 12018

Quant Time: Oct 10 00:10:44 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP091520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 08 15:55:58 2020  
 Response via : Initial Calibration

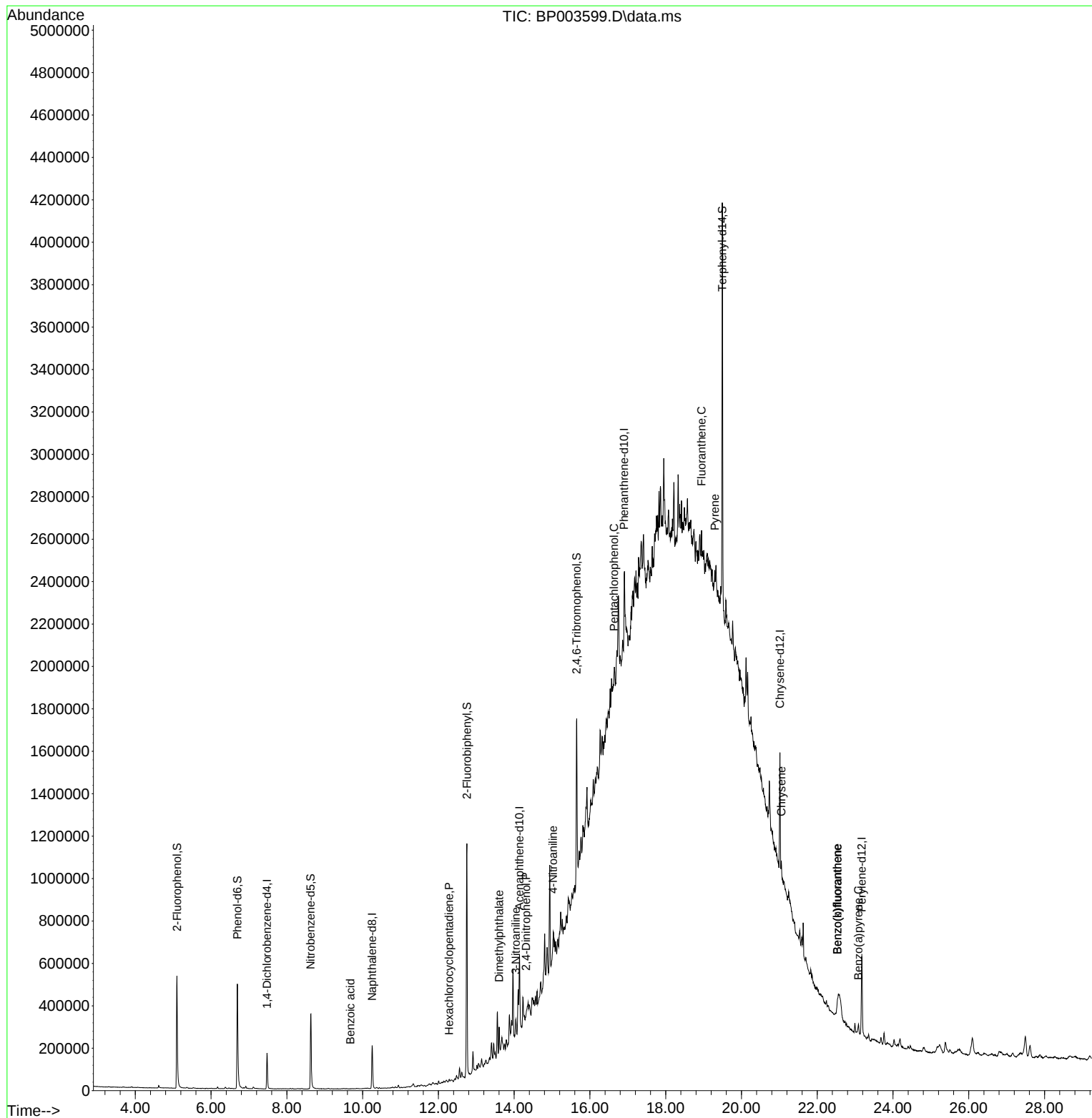
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.475  | 152  | 46292    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.252 | 136  | 174640   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.140 | 164  | 108949   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 16.904 | 188  | 215043   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.016 | 240  | 247665   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 23.175 | 264  | 259392   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.099  | 112  | 269773   | 101.76 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.693  | 99   | 327524   | 92.69  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.628  | 82   | 231761   | 77.96  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.651 | 330  | 181844   | 109.43 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.752 | 172  | 568005   | 76.25  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.492 | 244  | 824419   | 69.36  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 32) Benzoic acid              | 9.675  | 122  | 29       | 9.17   | ng    | # 1      |
| 41) Hexachlorocyclopentadiene | 12.281 | 237  | 13       | 6.85   | ng    | 91       |
| 50) Dimethylphthalate         | 13.604 | 163  | 81885    | 9.41   | ng    | 98       |
| 53) 3-Nitroaniline            | 14.046 | 138  | 4193     | 2.07   | ng    | # 30     |
| 54) 2,4-Dinitrophenol         | 14.310 | 184  | 29       | 7.28   | ng    | # 1      |
| 62) 4-Nitroaniline            | 15.028 | 138  | 15127    | 7.05   | ng    | 92       |
| 70) Pentachlorophenol         | 16.634 | 266  | 1844     | 8.04   | ng    | # 51     |
| 75) Fluoranthene              | 18.945 | 202  | 58472    | 3.97   | ng    | 74       |
| 78) Pyrene                    | 19.298 | 202  | 49765    | 3.22   | ng    | # 73     |
| 83) Chrysene                  | 21.051 | 228  | 39912    | 2.59   | ng    | # 88     |
| 88) Benzo(b)fluoranthene      | 22.533 | 252  | 58673    | 3.58   | ng    | # 93     |
| 89) Benzo(k)fluoranthene      | 22.533 | 252  | 58673    | 3.74   | ng    | # 94     |
| 90) Benzo(a)pyrene            | 23.086 | 252  | 32268    | 2.09   | ng    | # 94     |
| -----                         |        |      |          |        |       |          |

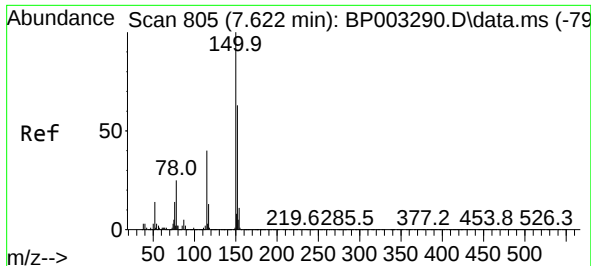
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100920\  
Data File : BP003599.D  
Acq On : 09 Oct 2020 18:21  
Operator : CG/JU  
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Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_P  
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12018

Quant Time: Oct 10 00:10:44 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP091520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 08 15:55:58 2020  
Response via : Initial Calibration

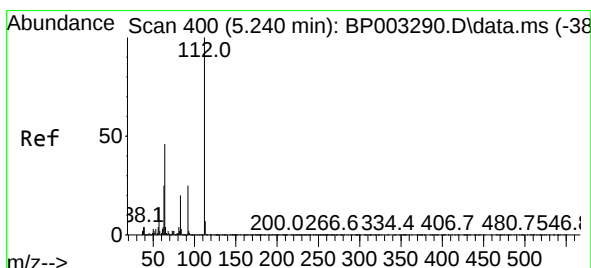
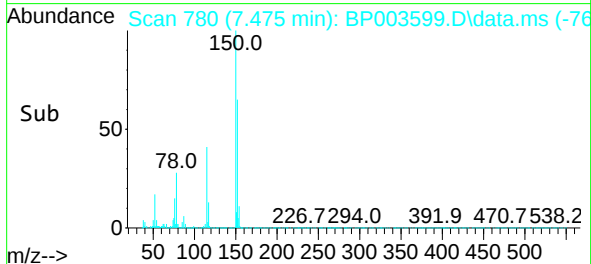
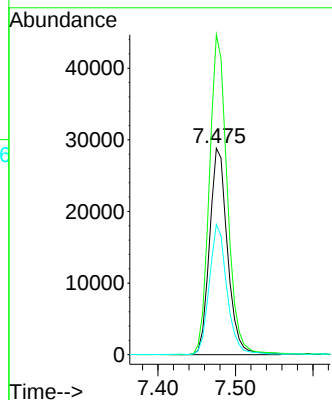
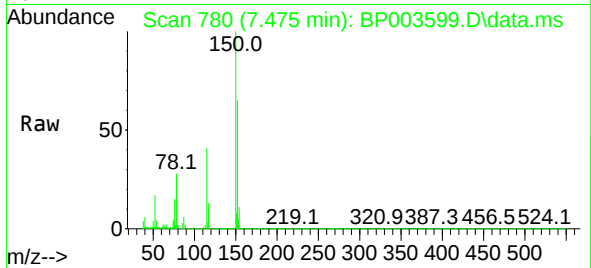




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.475 min Scan# 780  
Delta R.T. -0.006 min  
Lab File: BP003599.D  
Acq: 09 Oct 2020 18:21

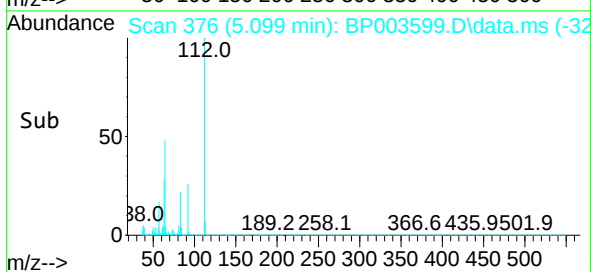
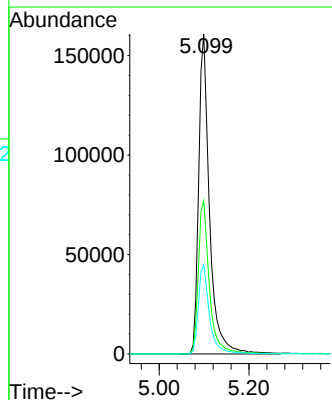
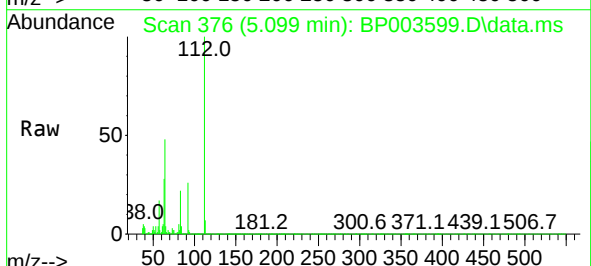
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BNA\_P  
ClientSampleId :  
12018

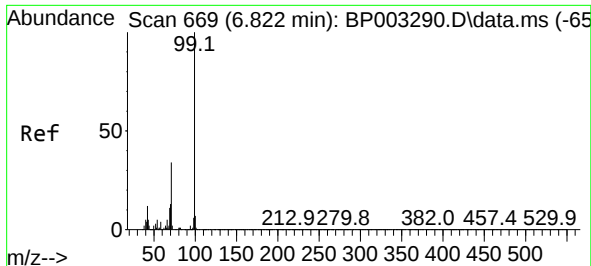
Tgt Ion:152 Resp: 46292  
Ion Ratio Lower Upper  
152 100  
150 155.0 123.8 185.6  
115 63.1 43.8 65.6



#5  
2-Fluorophenol  
Concen: 101.76 ng  
RT: 5.099 min Scan# 376  
Delta R.T. 0.000 min  
Lab File: BP003599.D  
Acq: 09 Oct 2020 18:21

Tgt Ion:112 Resp: 269773  
Ion Ratio Lower Upper  
112 100  
64 47.9 32.8 49.2  
63 27.9 17.0 25.4#

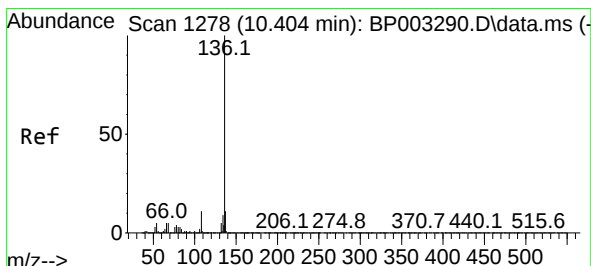
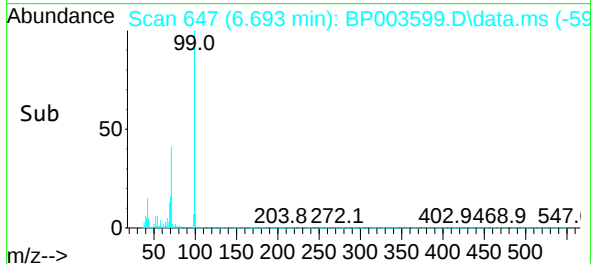
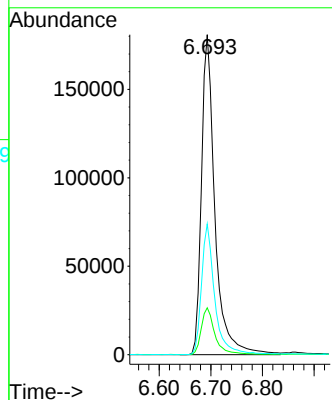
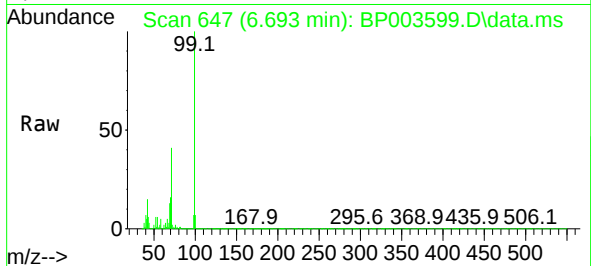




#7  
Phenol-d6  
Concen: 92.69 ng  
RT: 6.693 min Scan# 647  
Delta R.T. 0.006 min  
Lab File: BP003599.D  
Acq: 09 Oct 2020 18:21

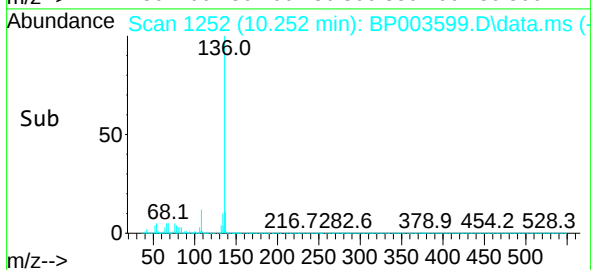
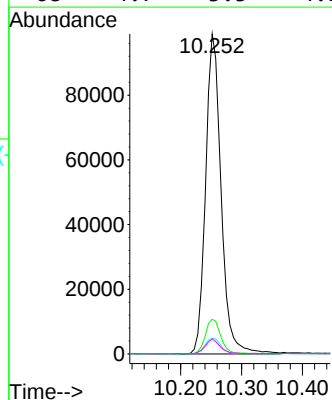
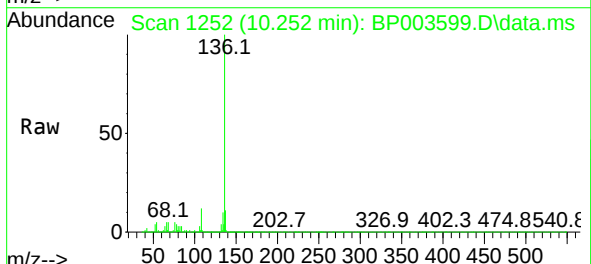
Instrument :  
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ClientSampleId :  
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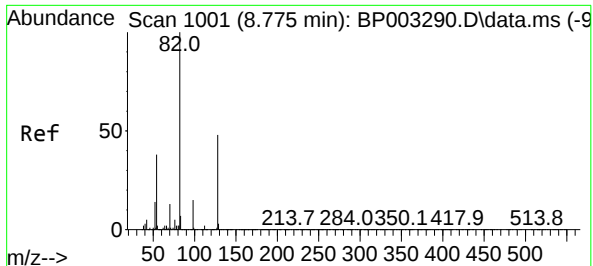
Tgt Ion: 99 Resp: 327524  
Ion Ratio Lower Upper  
99 100  
42 14.6 8.6 13.0#  
71 40.8 23.4 35.2#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.252 min Scan# 1252  
Delta R.T. 0.000 min  
Lab File: BP003599.D  
Acq: 09 Oct 2020 18:21

Tgt Ion: 136 Resp: 174640  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.6 13.0  
54 4.9 3.6 5.4  
68 4.7 3.3 4.9

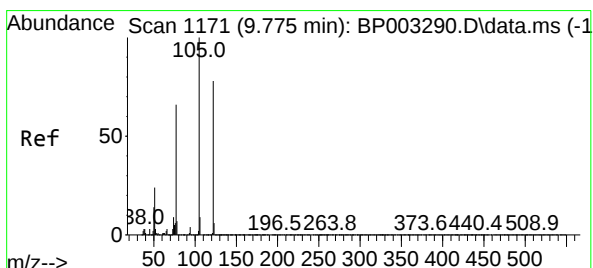
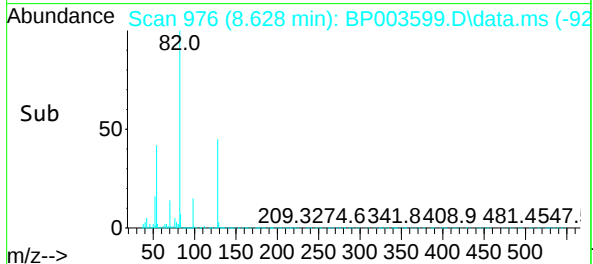
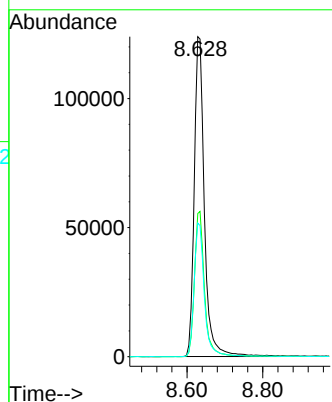
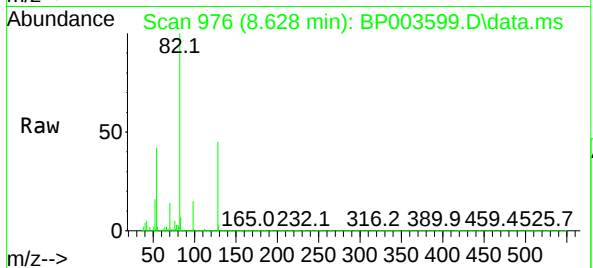




#23  
Nitrobenzene-d5  
Concen: 77.96 ng  
RT: 8.628 min Scan# 976  
Delta R.T. -0.006 min  
Lab File: BP003599.D  
Acq: 09 Oct 2020 18:21

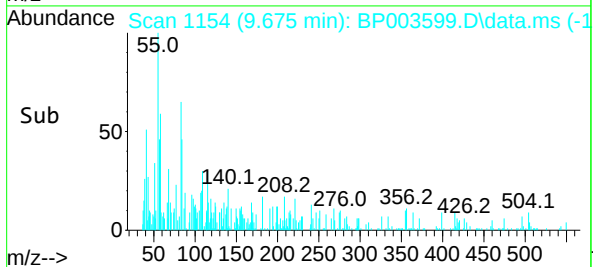
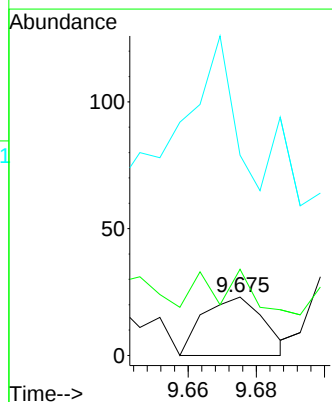
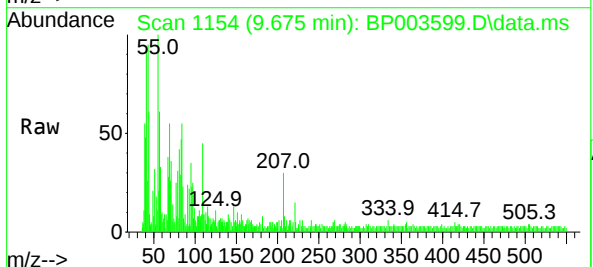
Instrument :  
BNA\_P  
ClientSampleId :  
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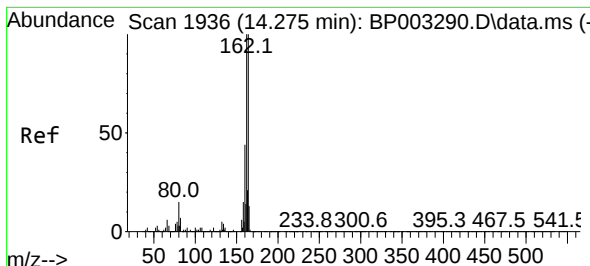
Tgt Ion: 82 Resp: 231761  
Ion Ratio Lower Upper  
82 100  
128 44.8 45.6 68.4#  
54 41.7 30.1 45.1



#32  
Benzoic acid  
Concen: 9.17 ng  
RT: 9.675 min Scan# 1154  
Delta R.T. -0.006 min  
Lab File: BP003599.D  
Acq: 09 Oct 2020 18:21

Tgt Ion: 122 Resp: 29  
Ion Ratio Lower Upper  
122 100  
105 147.8 94.1 134.1#  
77 343.5 50.1 90.1#

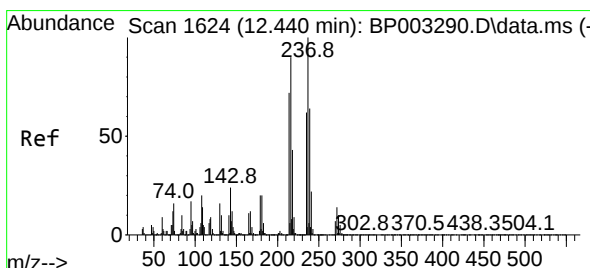
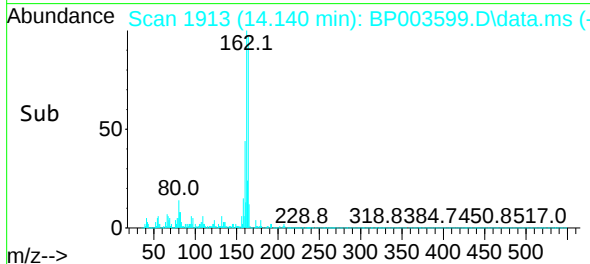
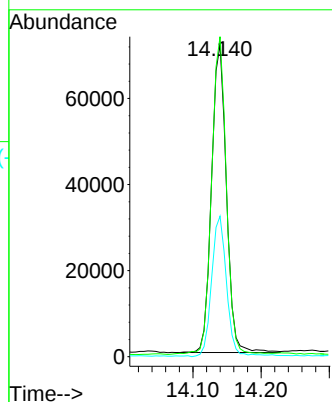
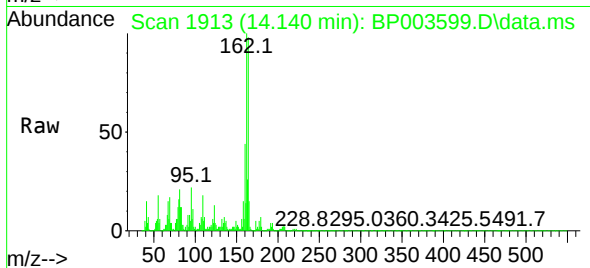




#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.140 min Scan# 1913  
Delta R.T. 0.000 min  
Lab File: BP003599.D  
Acq: 09 Oct 2020 18:21

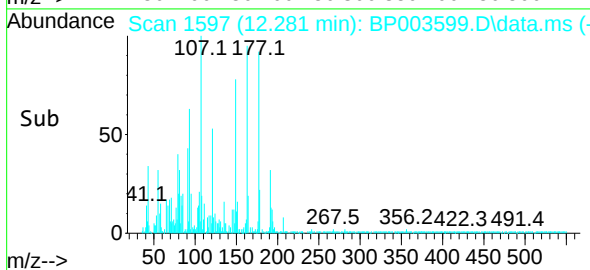
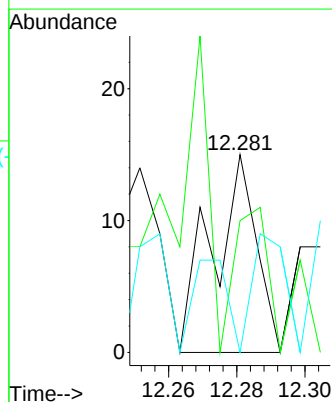
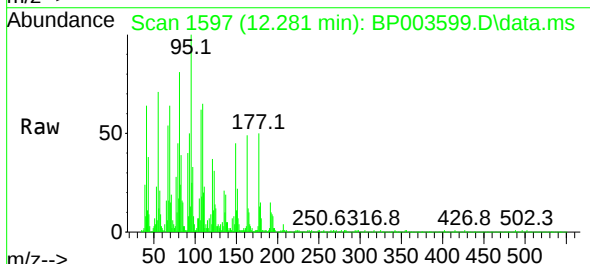
Instrument :  
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ClientSampleId :  
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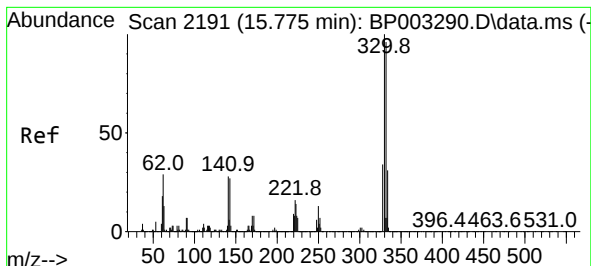
Tgt Ion:164 Resp: 108949  
Ion Ratio Lower Upper  
164 100  
162 102.6 79.4 119.2  
160 45.0 36.1 54.1



#41  
Hexachlorocyclopentadiene  
Concen: 6.85 ng  
RT: 12.281 min Scan# 1597  
Delta R.T. -0.012 min  
Lab File: BP003599.D  
Acq: 09 Oct 2020 18:21

Tgt Ion:237 Resp: 13  
Ion Ratio Lower Upper  
237 100  
235 66.7 43.2 83.2  
272 0.0 0.0 33.3

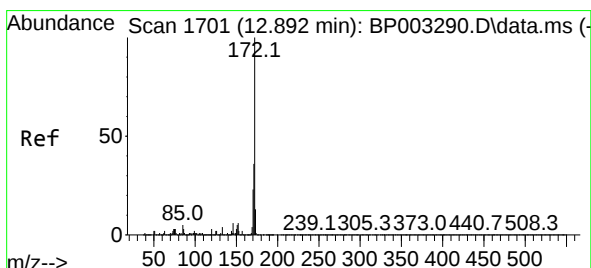
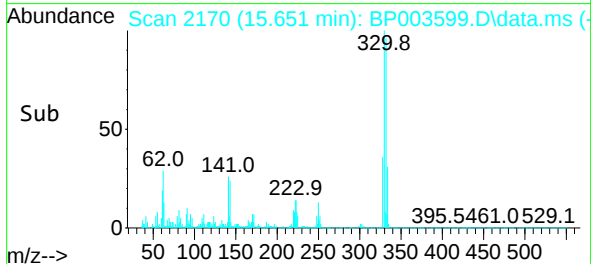
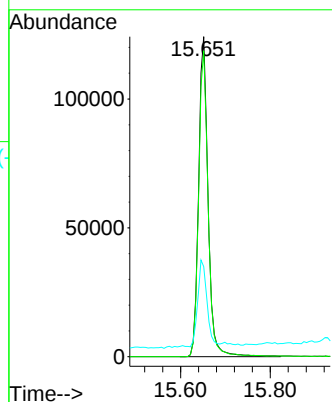
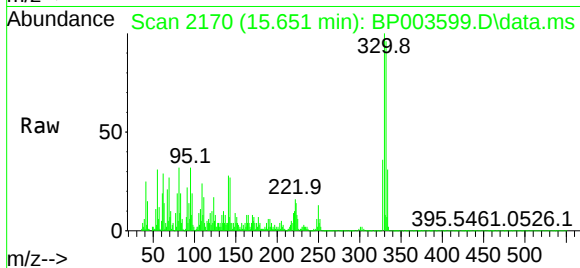




#42  
2,4,6-Tribromophenol  
Concen: 109.43 ng  
RT: 15.651 min Scan# 2170  
Delta R.T. 0.006 min  
Lab File: BP003599.D  
Acq: 09 Oct 2020 18:21

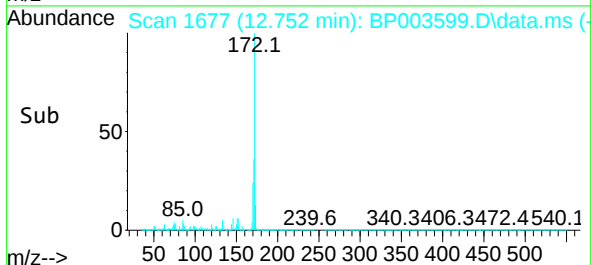
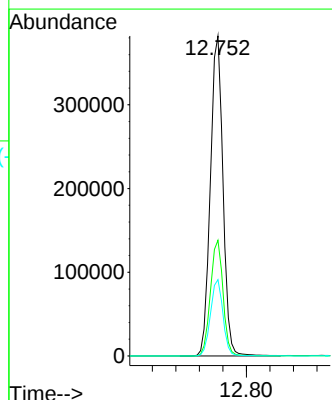
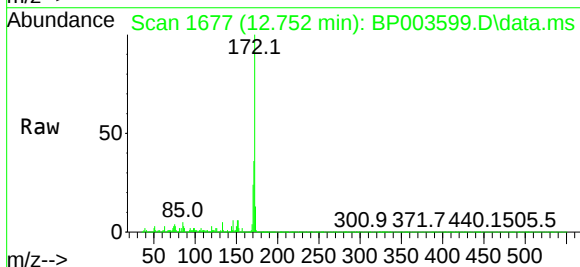
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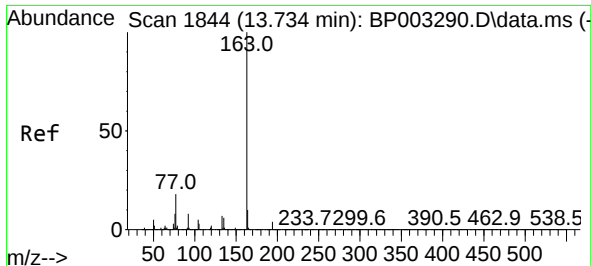
Tgt Ion:330 Resp: 181844  
Ion Ratio Lower Upper  
330 100  
332 95.4 77.1 115.7  
141 26.2 23.4 35.2



#45  
2-Fluorobiphenyl  
Concen: 76.25 ng  
RT: 12.752 min Scan# 1677  
Delta R.T. 0.000 min  
Lab File: BP003599.D  
Acq: 09 Oct 2020 18:21

Tgt Ion:172 Resp: 568005  
Ion Ratio Lower Upper  
172 100  
171 36.2 28.5 42.7  
170 23.9 19.2 28.8

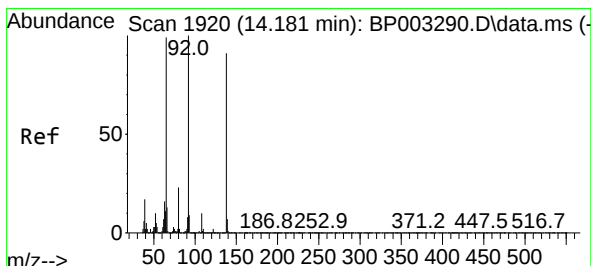
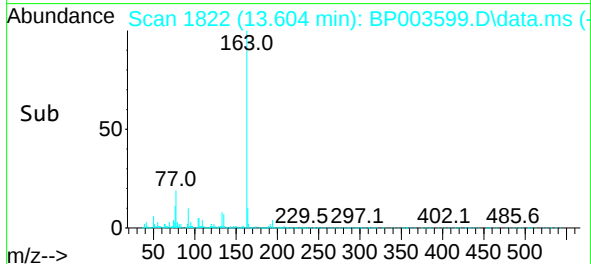
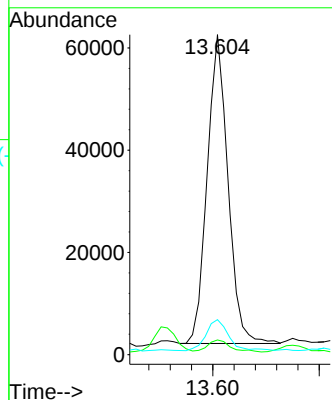
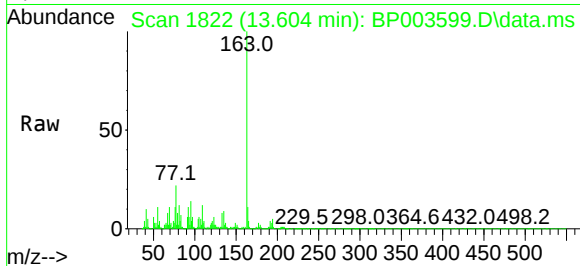




#50  
Dimethylphthalate  
Concen: 9.41 ng  
RT: 13.604 min Scan# 1822  
Delta R.T. -0.006 min  
Lab File: BP003599.D  
Acq: 09 Oct 2020 18:21

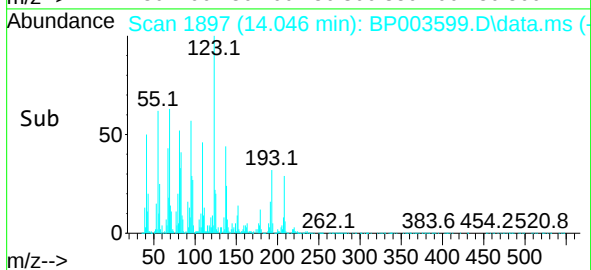
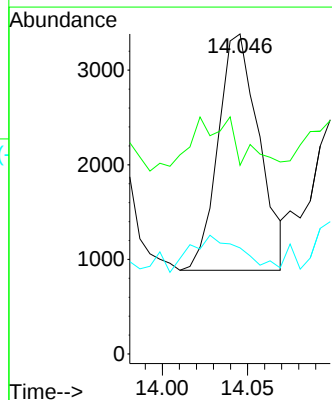
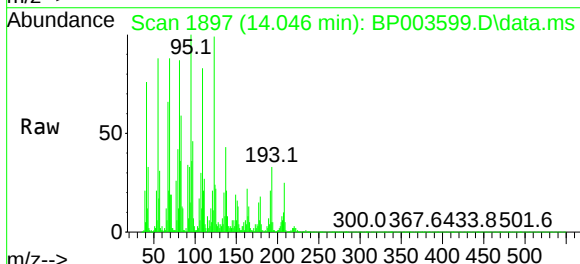
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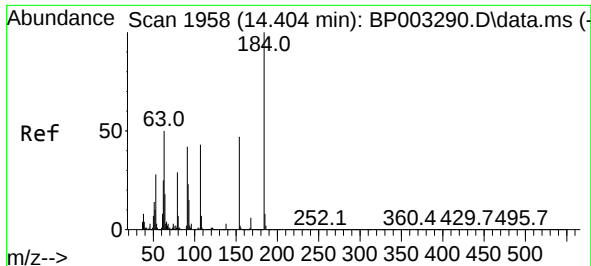
Tgt Ion:163 Resp: 81885  
Ion Ratio Lower Upper  
163 100  
194 4.6 3.3 4.9  
164 10.9 8.2 12.2



#53  
3-Nitroaniline  
Concen: 2.07 ng  
RT: 14.046 min Scan# 1897  
Delta R.T. -0.023 min  
Lab File: BP003599.D  
Acq: 09 Oct 2020 18:21

Tgt Ion:138 Resp: 4193  
Ion Ratio Lower Upper  
138 100  
108 58.9 7.5 11.3#  
92 33.2 75.0 112.6#

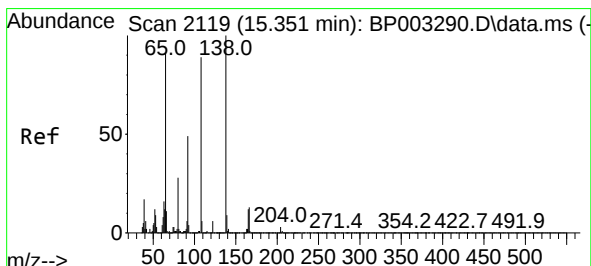
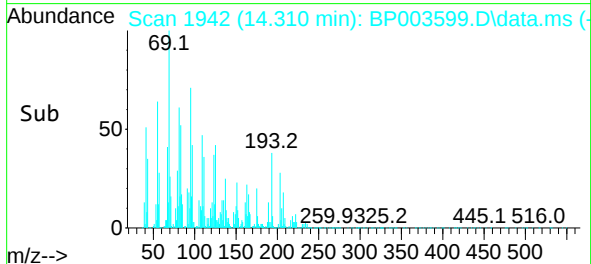
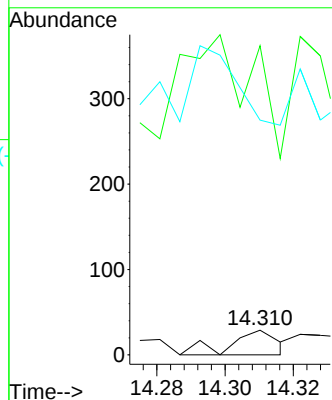
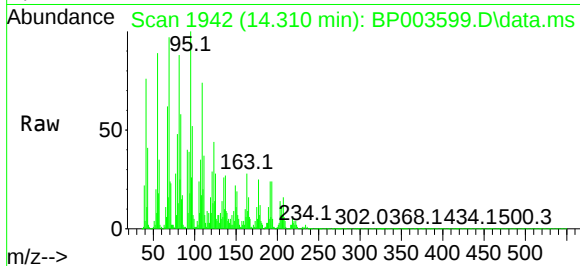




#54  
2,4-Dinitrophenol  
Concen: 7.28 ng  
RT: 14.310 min Scan# 1942  
Delta R.T. -0.006 min  
Lab File: BP003599.D  
Acq: 09 Oct 2020 18:21

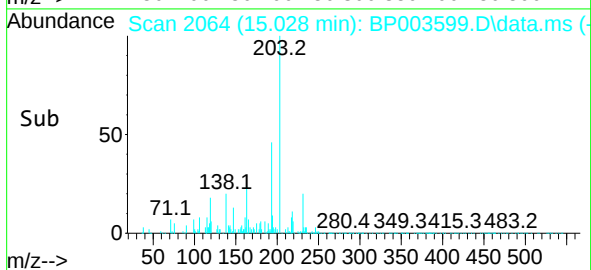
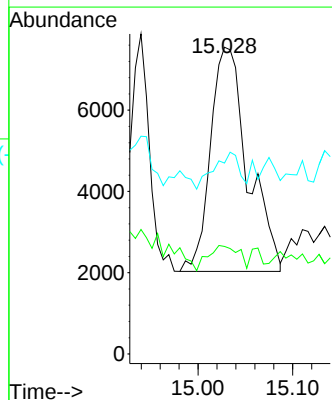
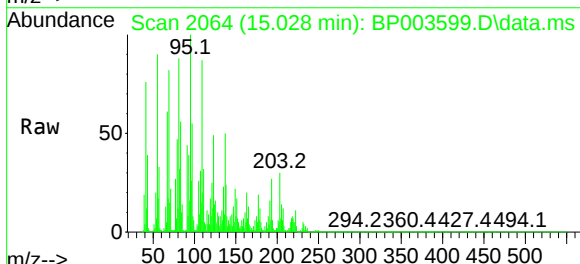
Instrument :  
BNA\_P  
ClientSampleId :  
12018

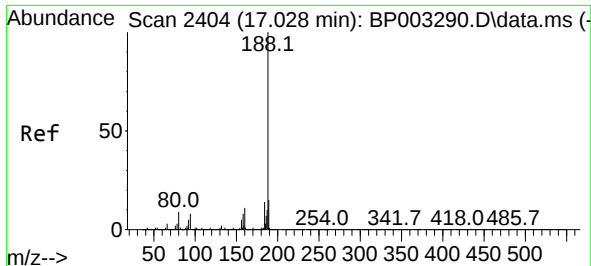
Tgt Ion:184 Resp: 29  
Ion Ratio Lower Upper  
184 100  
63 1248.3 32.3 48.5#  
154 948.3 49.1 73.7#



#62  
4-Nitroaniline  
Concen: 7.05 ng  
RT: 15.028 min Scan# 2064  
Delta R.T. -0.217 min  
Lab File: BP003599.D  
Acq: 09 Oct 2020 18:21

Tgt Ion:138 Resp: 15127  
Ion Ratio Lower Upper  
138 100  
92 35.1 20.7 60.7  
108 62.2 47.8 87.8

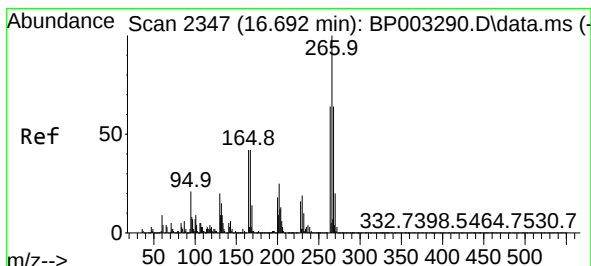
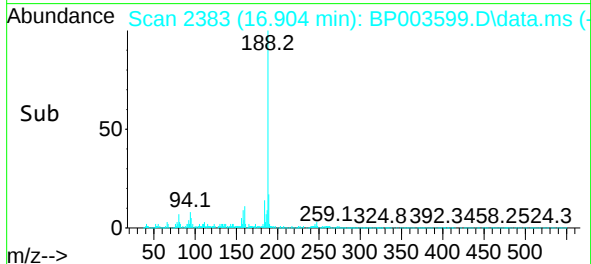
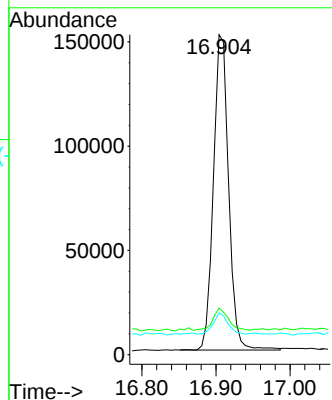
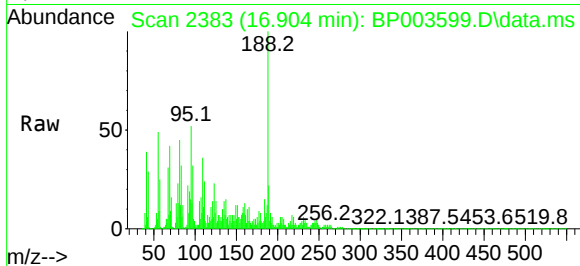




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 16.904 min Scan# 2383  
Delta R.T. 0.006 min  
Lab File: BP003599.D  
Acq: 09 Oct 2020 18:21

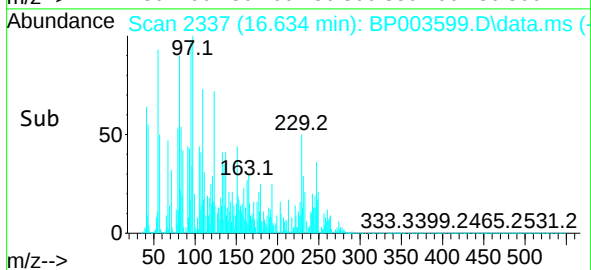
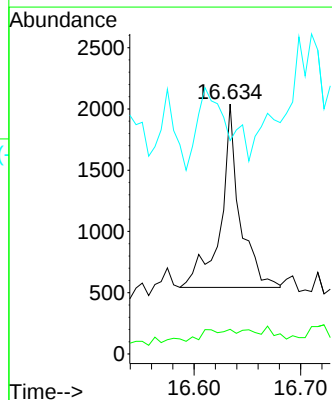
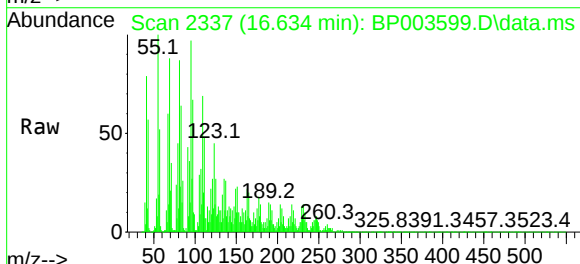
Instrument :  
BNA\_P  
ClientSampleId :  
12018

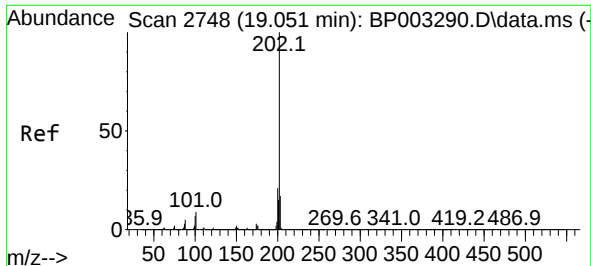
Tgt Ion:188 Resp: 215043  
Ion Ratio Lower Upper  
188 100  
94 14.5 6.2 9.2#  
80 13.0 6.2 9.2#



#70  
Pentachlorophenol  
Concen: 8.04 ng  
RT: 16.634 min Scan# 2337  
Delta R.T. 0.053 min  
Lab File: BP003599.D  
Acq: 09 Oct 2020 18:21

Tgt Ion:266 Resp: 1844  
Ion Ratio Lower Upper  
266 100  
268 9.9 51.1 76.7#  
264 85.4 50.6 76.0#

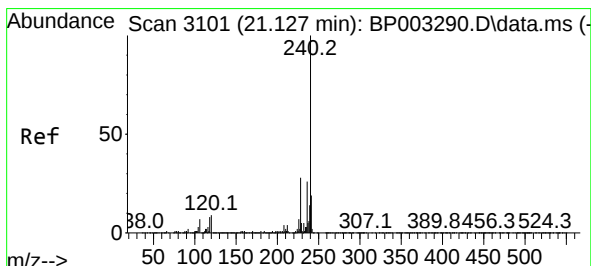
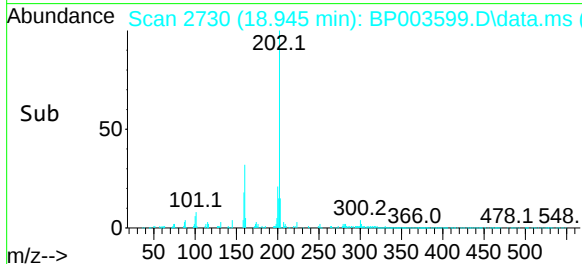
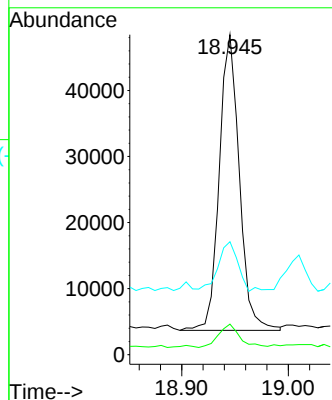
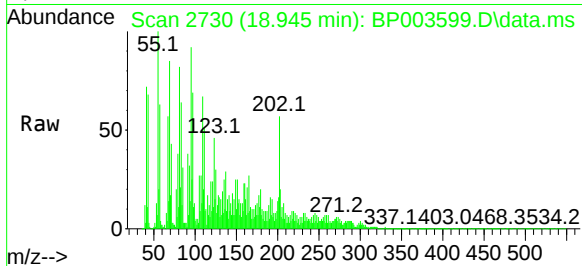




#75  
Fluoranthene  
Concen: 3.97 ng  
RT: 18.945 min Scan# 2730  
Delta R.T. 0.012 min  
Lab File: BP003599.D  
Acq: 09 Oct 2020 18:21

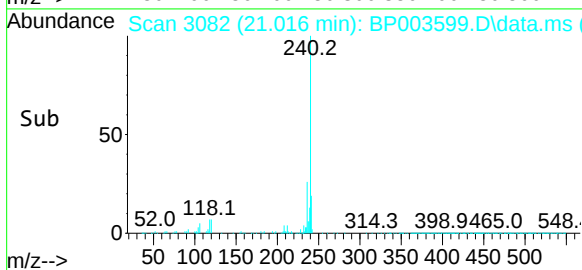
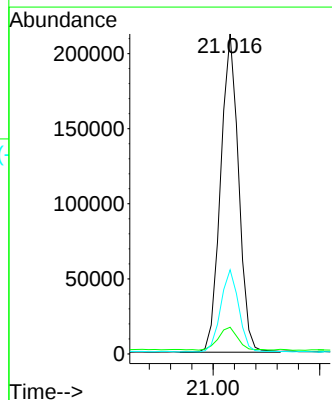
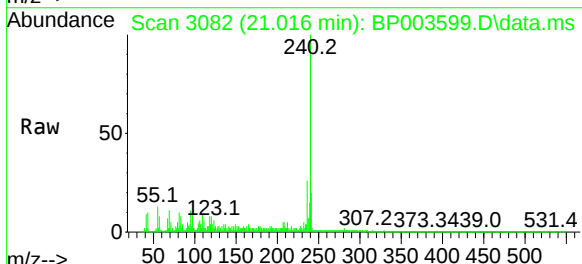
Instrument :  
BNA\_P  
ClientSampleId :  
12018

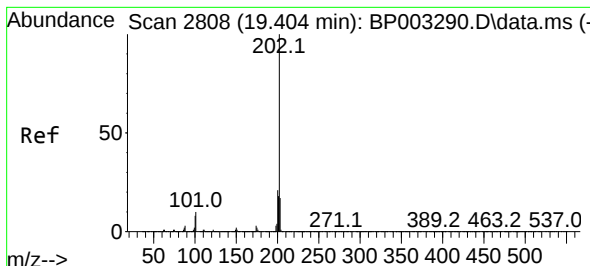
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 58472 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 9.6   | 0.0   | 29.4  |
| 203       | 35.3  | 0.0   | 37.8  |



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.016 min Scan# 3082  
Delta R.T. 0.006 min  
Lab File: BP003599.D  
Acq: 09 Oct 2020 18:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 247665 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 8.3   | 7.8   | 11.6   |
| 236       | 26.3  | 20.8  | 31.2   |





#78

Pyrene

Concen: 3.22 ng

RT: 19.298 min Scan# 2790

Delta R.T. 0.012 min

Lab File: BP003599.D

Acq: 09 Oct 2020 18:21

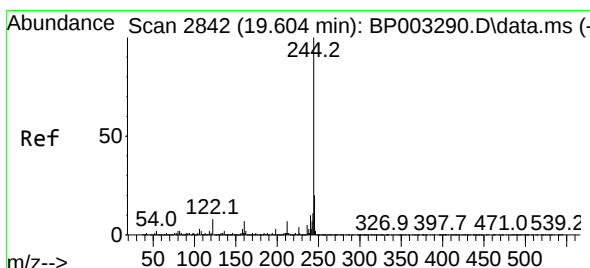
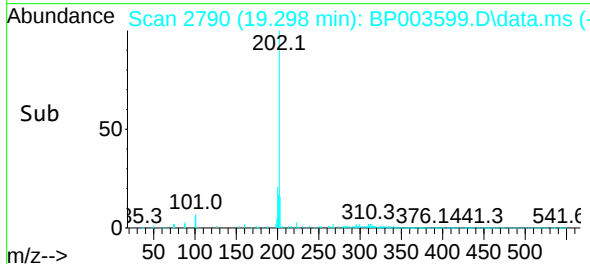
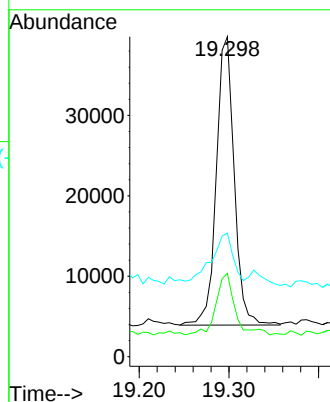
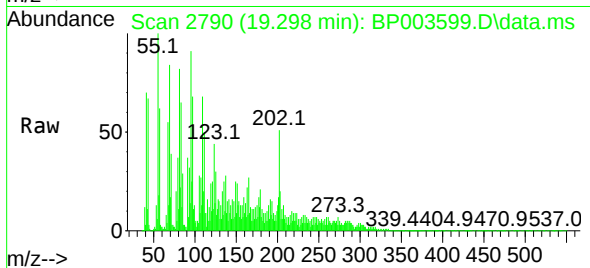
Instrument :

BNA\_P

ClientSampleId :

12018

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 49765 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 26.1  | 17.1  | 25.7# |
| 203       | 38.7  | 14.2  | 21.2# |



#79

Terphenyl-d14

Concen: 69.36 ng

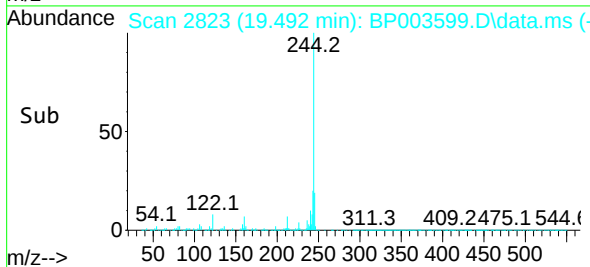
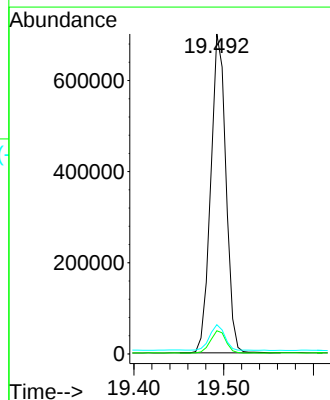
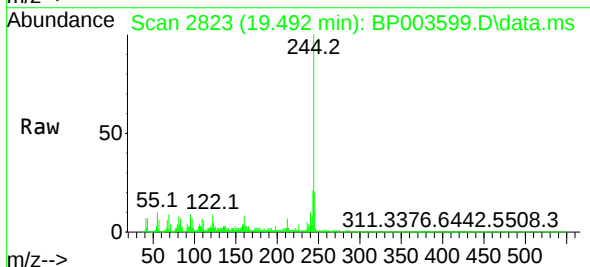
RT: 19.492 min Scan# 2823

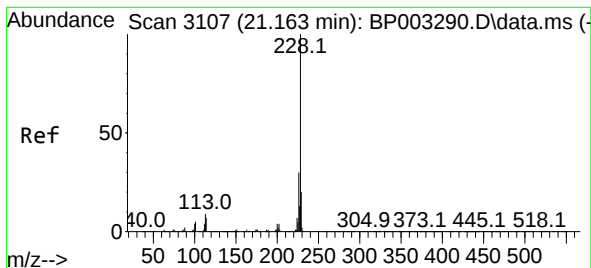
Delta R.T. 0.006 min

Lab File: BP003599.D

Acq: 09 Oct 2020 18:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 244   | Resp: | 824419 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 7.2   | 5.8   | 8.6    |
| 122       | 9.2   | 7.8   | 11.8   |





#83

Chrysene

Concen: 2.59 ng

RT: 21.051 min Scan# 3088

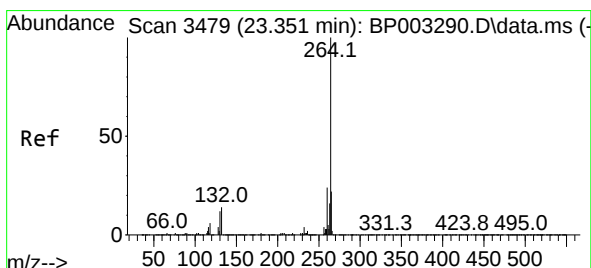
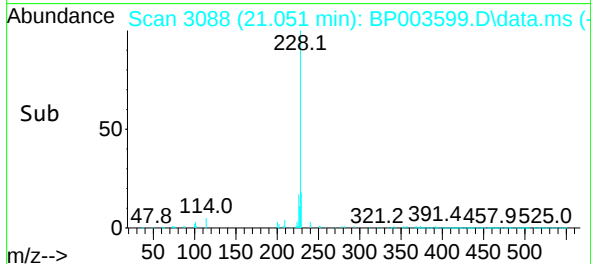
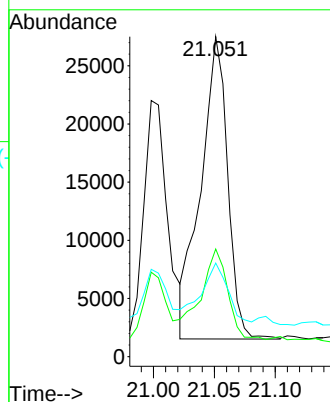
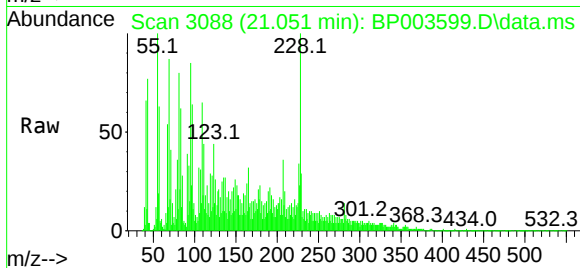
Delta R.T. 0.006 min

Lab File: BP003599.D

Acq: 09 Oct 2020 18:21

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 39912     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 33.6  | 24.4 36.6 |
| 229         | 29.3  | 15.8 23.6 |

Instrument :  
BNA\_P  
ClientSampleId :  
12018



#86

Perylene-d12

Concen: 20.00 ng

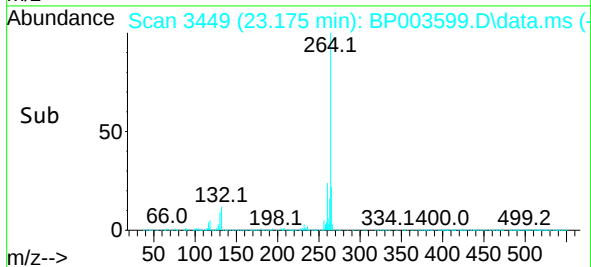
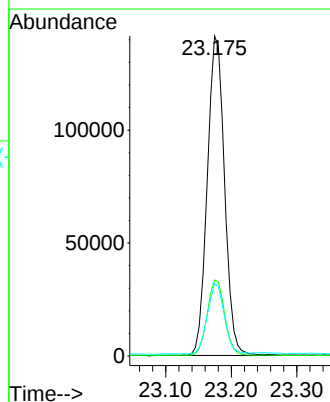
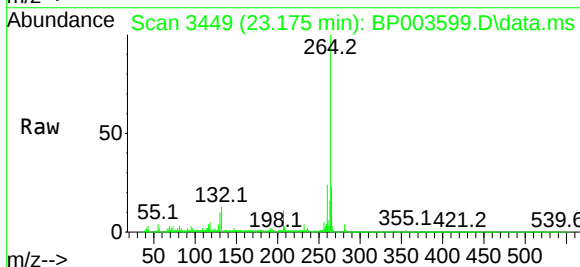
RT: 23.175 min Scan# 3449

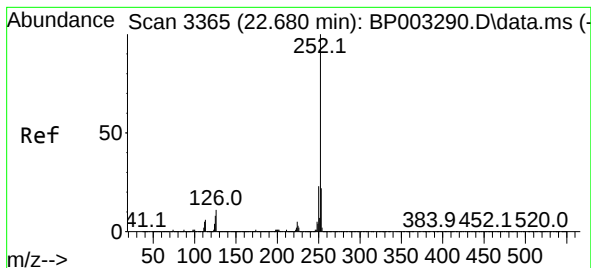
Delta R.T. 0.000 min

Lab File: BP003599.D

Acq: 09 Oct 2020 18:21

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:264 | Resp: | 259392    |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 23.8  | 18.8 28.2 |
| 265         | 22.6  | 17.4 26.2 |

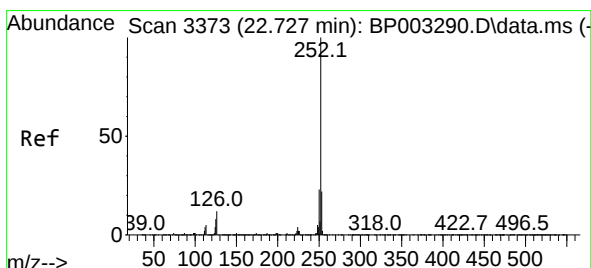
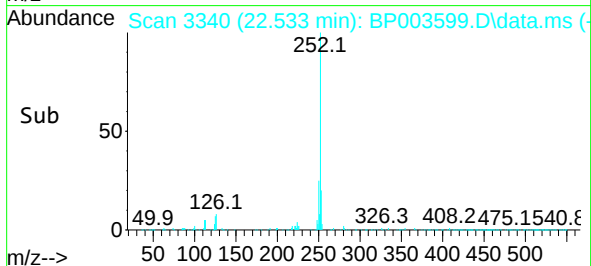
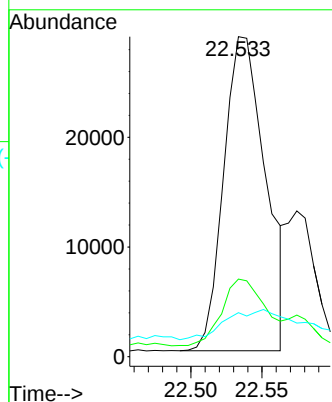
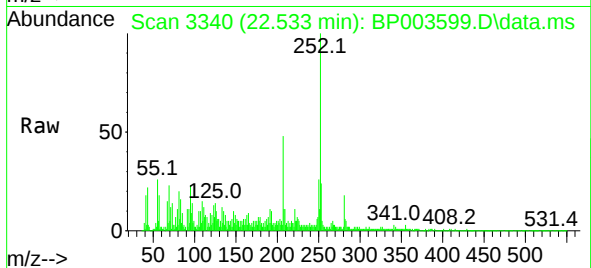




#88  
Benzo(b)fluoranthene  
Concen: 3.58 ng  
RT: 22.533 min Scan# 3340  
Delta R.T. 0.006 min  
Lab File: BP003599.D  
Acq: 09 Oct 2020 18:21

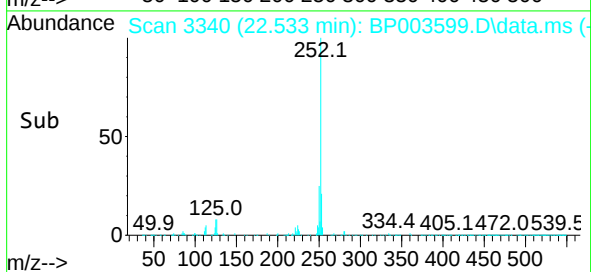
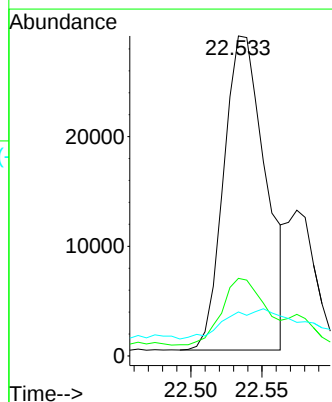
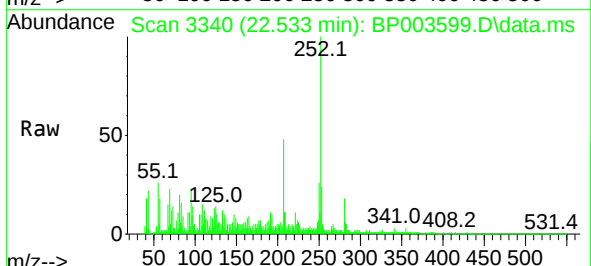
Instrument :  
BNA\_P  
ClientSampled :  
12018

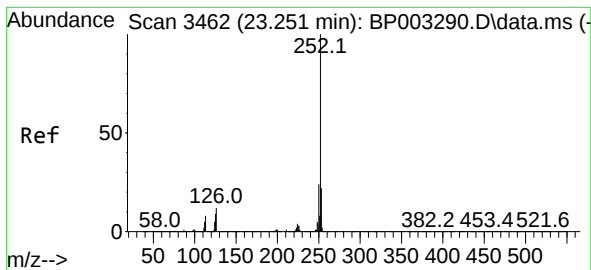
Tgt Ion:252 Resp: 58673  
Ion Ratio Lower Upper  
252 100  
253 24.3 17.6 26.4  
125 13.7 7.3 10.9#



#89  
Benzo(k)fluoranthene  
Concen: 3.74 ng  
RT: 22.533 min Scan# 3340  
Delta R.T. -0.035 min  
Lab File: BP003599.D  
Acq: 09 Oct 2020 18:21

Tgt Ion:252 Resp: 58673  
Ion Ratio Lower Upper  
252 100  
253 24.3 17.8 26.8  
125 13.7 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 2.09 ng

RT: 23.086 min Scan# 3434

Delta R.T. 0.006 min

Lab File: BP003599.D

Acq: 09 Oct 2020 18:21

Instrument :

BNA\_P

ClientSampleId :

12018

Tgt Ion:252 Resp: 32268

Ion Ratio Lower Upper

252 100

253 24.3 17.4 26.0

125 12.9 8.2 12.4#

