

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092221\  
 Data File : BP007099.D  
 Acq On : 22 Sep 2021 15:45  
 Operator : CG/JU  
 Sample : M3804-01 10X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 CL-01-091721

Quant Time: Sep 22 16:14:32 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP092121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 21 16:50:24 2021  
 Response via : Initial Calibration

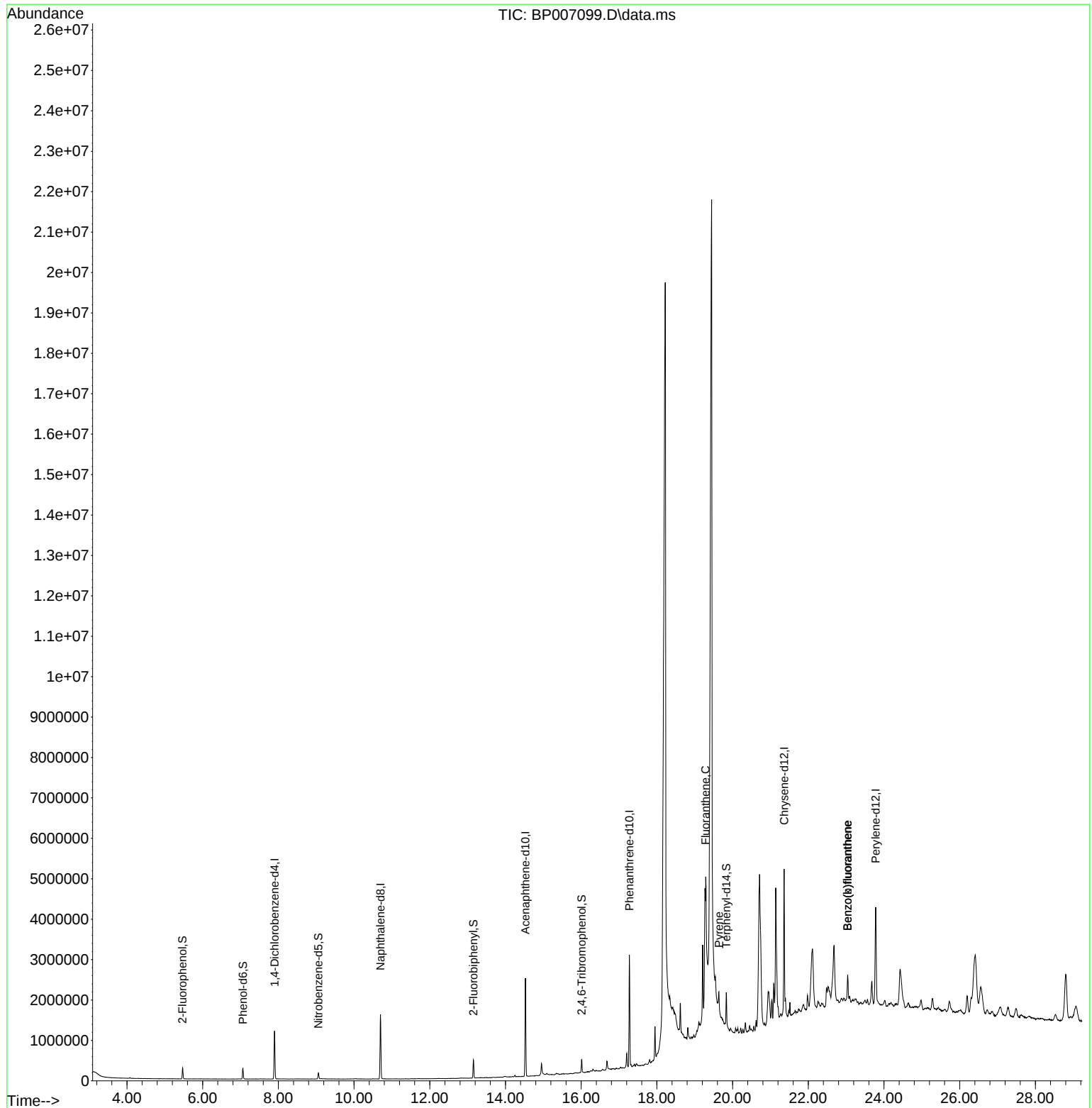
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.899  | 152  | 341044   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.699 | 136  | 1350817  | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.528 | 164  | 835895   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.275 | 188  | 1681475  | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12            | 21.363 | 240  | 1632937  | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12            | 23.780 | 264  | 1771064  | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.470  | 112  | 130496   | 6.405  | ng    | 0.00     |
| 7) Phenol-d6                | 7.064  | 99   | 162890   | 5.850  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.058  | 82   | 88390    | 3.811  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.016 | 330  | 65194    | 6.016  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.152 | 172  | 245121   | 4.201  | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.834 | 244  | 359867   | 4.223  | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 75) Fluoranthene            | 19.287 | 202  | 276750   | 2.664  | ng    | 89       |
| 78) Pyrene                  | 19.639 | 202  | 307184   | 2.867  | ng    | 98       |
| 88) Benzo(b)fluoranthene    | 23.039 | 252  | 235151   | 2.222  | ng    | # 72     |
| 89) Benzo(k)fluoranthene    | 23.039 | 252  | 235151   | 2.194  | ng    | # 72     |
| -----                       |        |      |          |        |       |          |

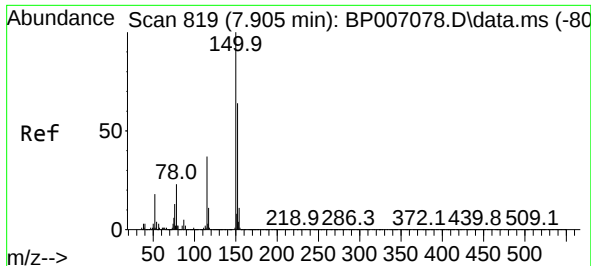
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP092121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 21 16:50:24 2021  
Response via : Initial Calibration

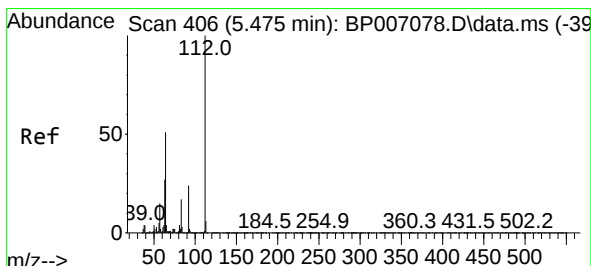
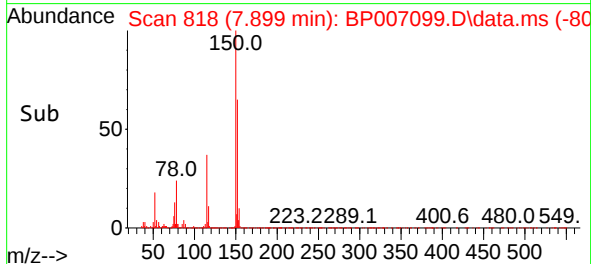
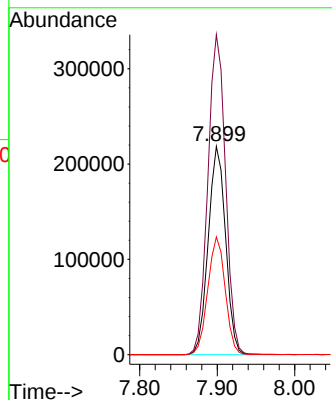
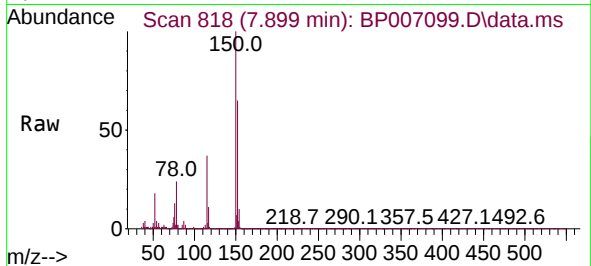




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.899 min Scan# 818  
Delta R.T. -0.006 min  
Lab File: BP007099.D  
Acq: 22 Sep 2021 15:45

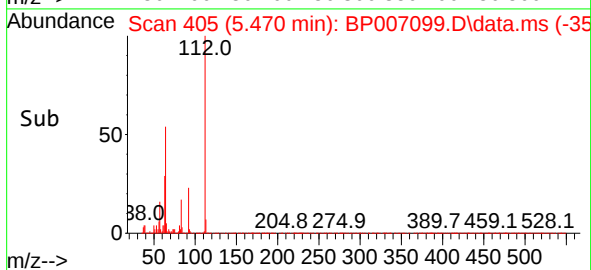
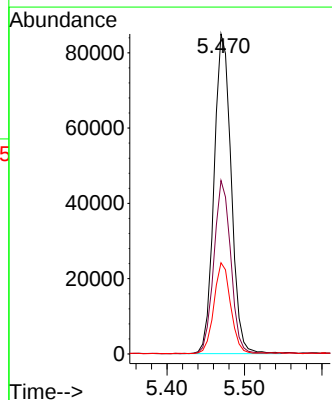
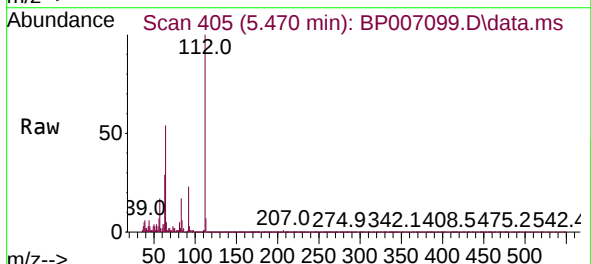
Instrument :  
BNA\_P  
ClientSampleId :  
CL-01-091721

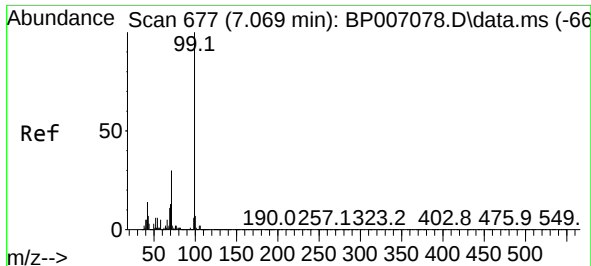
Tgt Ion:152 Resp: 341044  
Ion Ratio Lower Upper  
152 100  
150 153.6 125.6 188.4  
115 56.5 48.5 72.7



#5  
2-Fluorophenol  
Concen: 6.405 ng  
RT: 5.470 min Scan# 405  
Delta R.T. -0.005 min  
Lab File: BP007099.D  
Acq: 22 Sep 2021 15:45

Tgt Ion:112 Resp: 130496  
Ion Ratio Lower Upper  
112 100  
64 54.2 41.4 62.2  
63 28.5 23.8 35.8

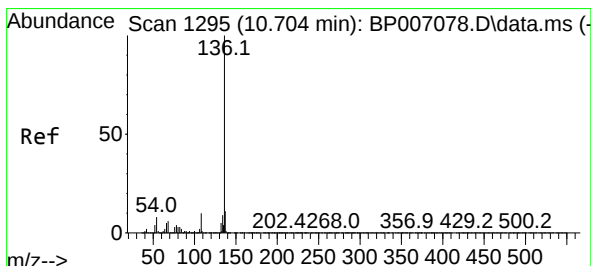
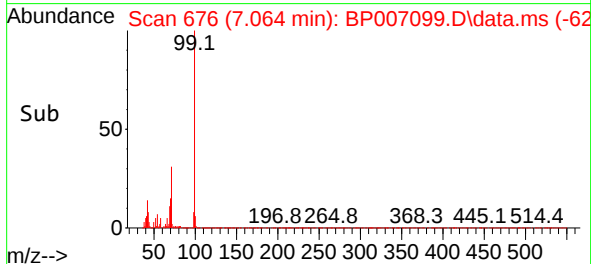
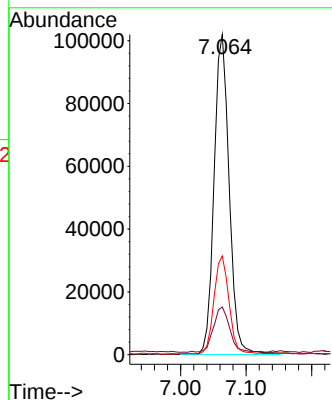
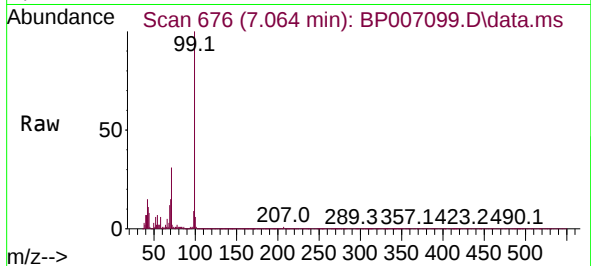




#7  
Phenol-d6  
Concen: 5.850 ng  
RT: 7.064 min Scan# 676  
Delta R.T. -0.005 min  
Lab File: BP007099.D  
Acq: 22 Sep 2021 15:45

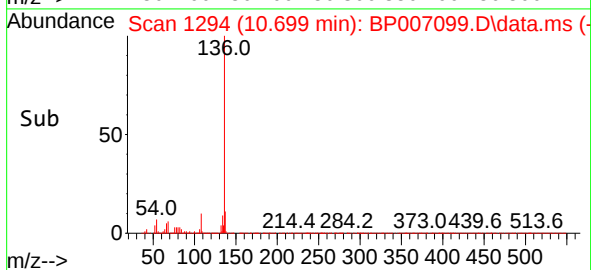
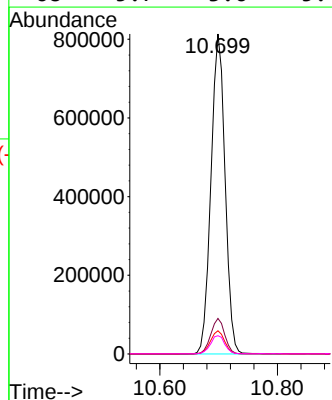
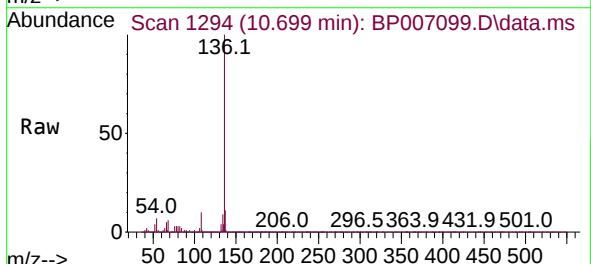
Instrument :  
BNA\_P  
ClientSampleId :  
CL-01-091721

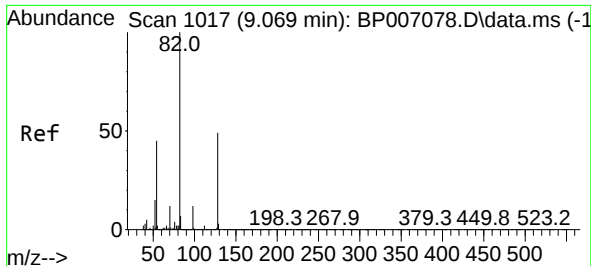
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 99    | Resp: | 162890 |
| Ion      | Ratio | Lower | Upper  |
| 99       | 100   |       |        |
| 42       | 14.9  | 13.4  | 20.0   |
| 71       | 30.9  | 30.6  | 46.0   |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.699 min Scan# 1294  
Delta R.T. -0.006 min  
Lab File: BP007099.D  
Acq: 22 Sep 2021 15:45

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 136   | Resp: | 1350817 |
| Ion      | Ratio | Lower | Upper   |
| 136      | 100   |       |         |
| 137      | 11.1  | 8.6   | 12.8    |
| 54       | 7.3   | 4.6   | 6.8#    |
| 68       | 5.7   | 3.6   | 5.4#    |

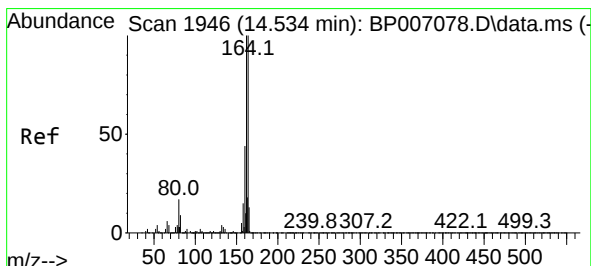
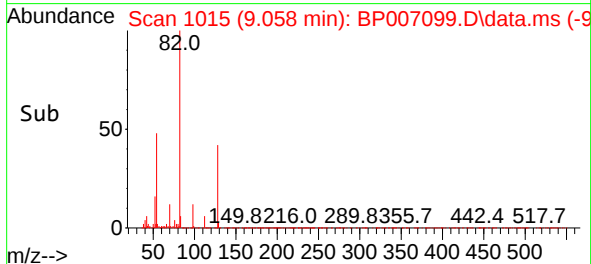
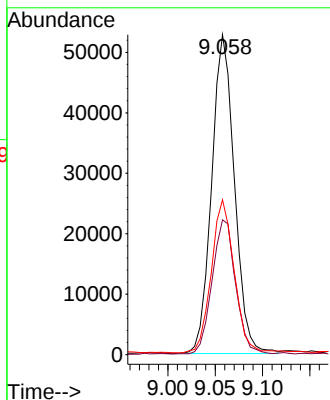
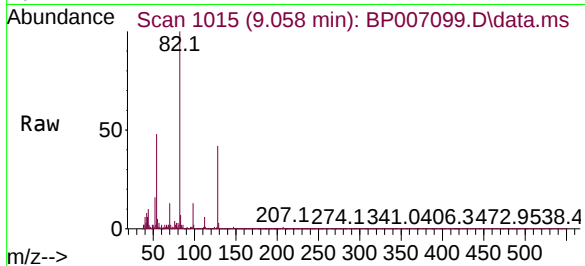




#23  
Nitrobenzene-d5  
Concen: 3.811 ng  
RT: 9.058 min Scan# 1015  
Delta R.T. -0.011 min  
Lab File: BP007099.D  
Acq: 22 Sep 2021 15:45

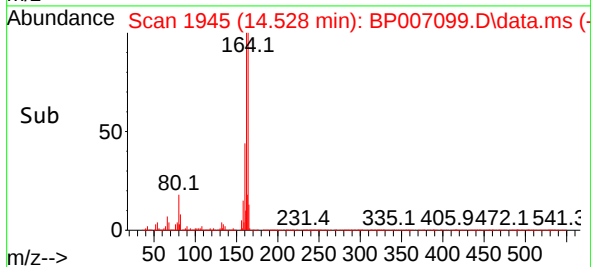
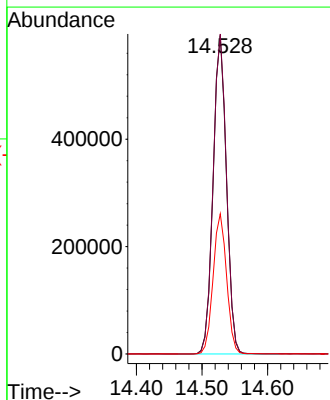
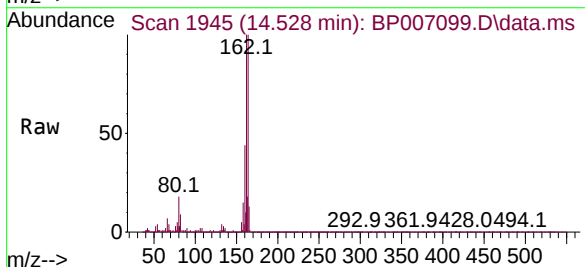
Instrument :  
BNA\_P  
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CL-01-091721

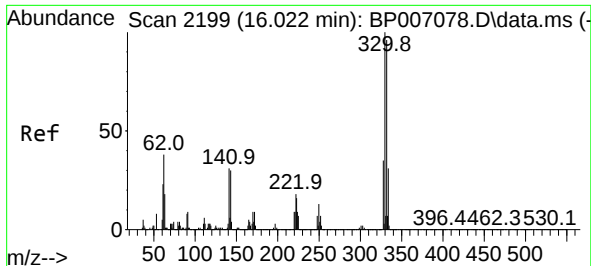
Tgt Ion: 82 Resp: 88390  
Ion Ratio Lower Upper  
82 100  
128 42.2 35.7 53.5  
54 48.4 35.0 52.4



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.528 min Scan# 1945  
Delta R.T. -0.006 min  
Lab File: BP007099.D  
Acq: 22 Sep 2021 15:45

Tgt Ion:164 Resp: 835895  
Ion Ratio Lower Upper  
164 100  
162 100.5 80.2 120.2  
160 44.0 34.5 51.7

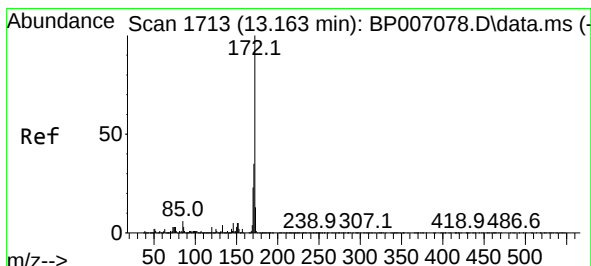
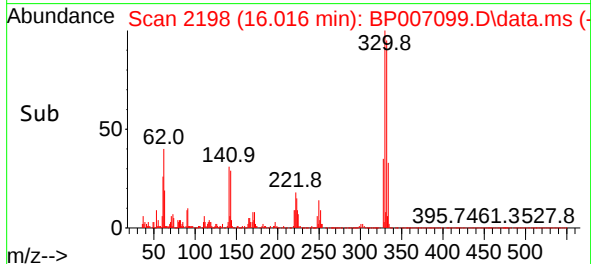
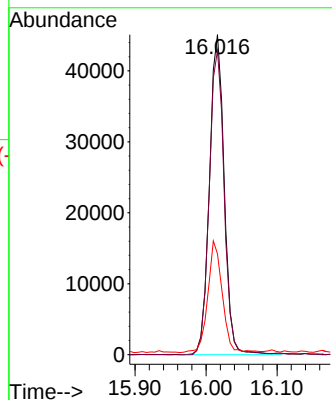
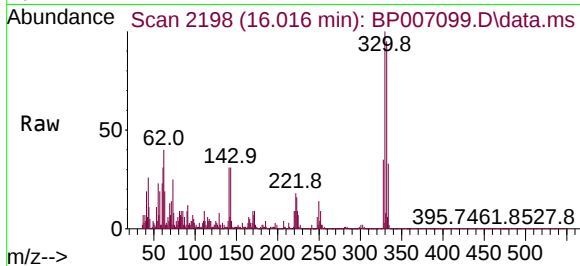




#42  
2,4,6-Tribromophenol  
Concen: 6.016 ng  
RT: 16.016 min Scan# 2198  
Delta R.T. -0.006 min  
Lab File: BP007099.D  
Acq: 22 Sep 2021 15:45

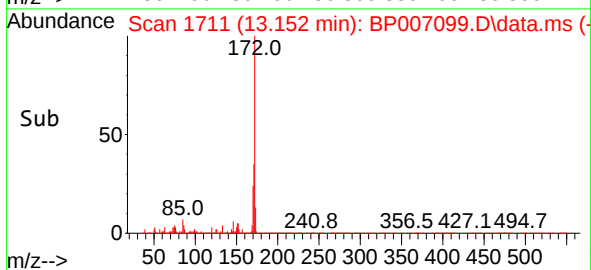
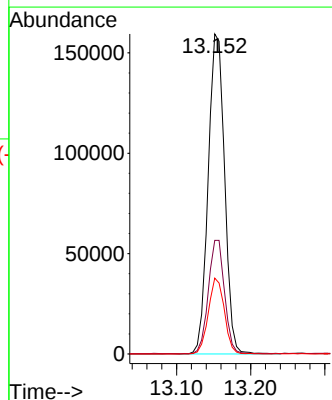
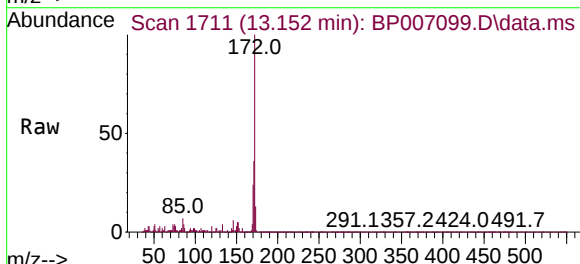
Instrument :  
BNA\_P  
ClientSampleId :  
CL-01-091721

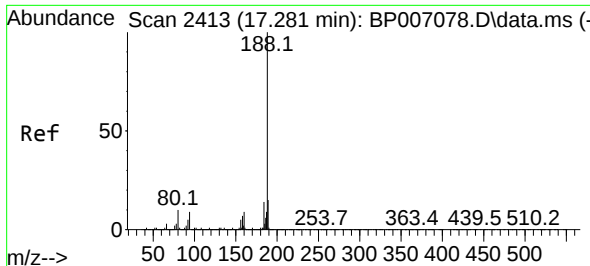
Tgt Ion:330 Resp: 65194  
Ion Ratio Lower Upper  
330 100  
332 96.3 77.8 116.8  
141 34.2 25.4 38.2



#45  
2-Fluorobiphenyl  
Concen: 4.201 ng  
RT: 13.152 min Scan# 1711  
Delta R.T. -0.011 min  
Lab File: BP007099.D  
Acq: 22 Sep 2021 15:45

Tgt Ion:172 Resp: 245121  
Ion Ratio Lower Upper  
172 100  
171 35.5 27.9 41.9  
170 23.7 18.6 27.8

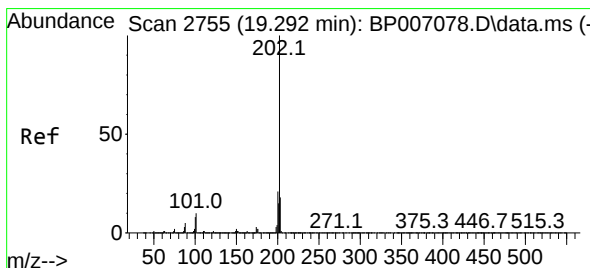
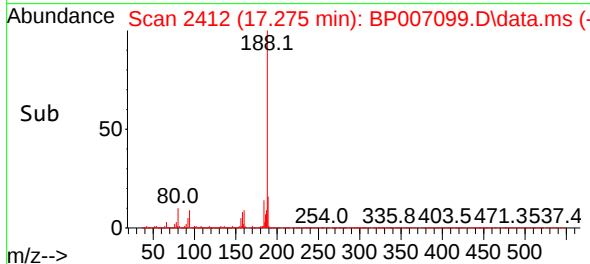
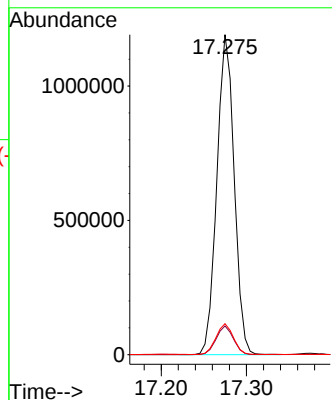
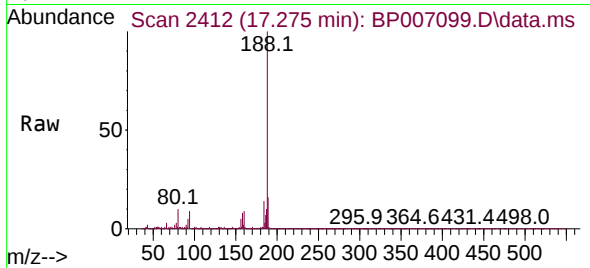




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.275 min Scan# 2412  
Delta R.T. -0.006 min  
Lab File: BP007099.D  
Acq: 22 Sep 2021 15:45

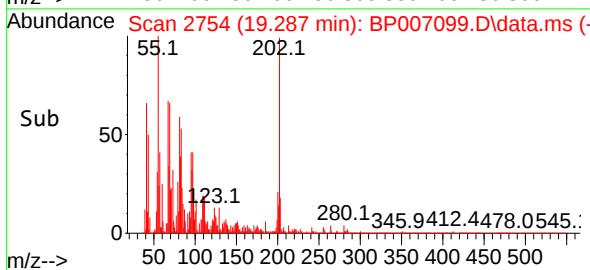
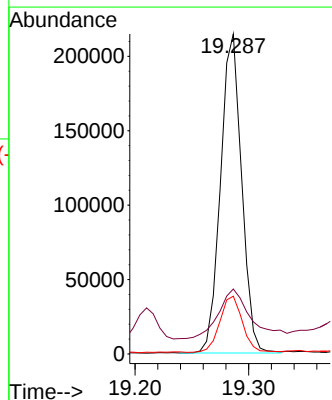
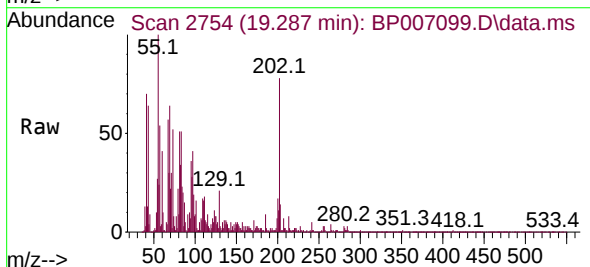
Instrument :  
BNA\_P  
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CL-01-091721

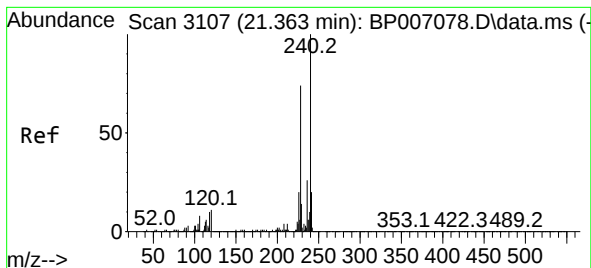
Tgt Ion:188 Resp: 1681475  
Ion Ratio Lower Upper  
188 100  
94 9.0 5.6 8.4#  
80 9.7 6.3 9.5#



#75  
Fluoranthene  
Concen: 2.664 ng  
RT: 19.287 min Scan# 2754  
Delta R.T. -0.006 min  
Lab File: BP007099.D  
Acq: 22 Sep 2021 15:45

Tgt Ion:202 Resp: 276750  
Ion Ratio Lower Upper  
202 100  
101 20.3 0.0 27.6  
203 18.0 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.363 min Scan# 3107

Delta R.T. 0.000 min

Lab File: BP007099.D

Acq: 22 Sep 2021 15:45

Instrument :

BNA\_P

ClientSampleId :

CL-01-091721

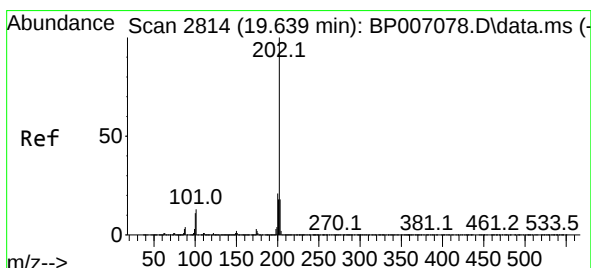
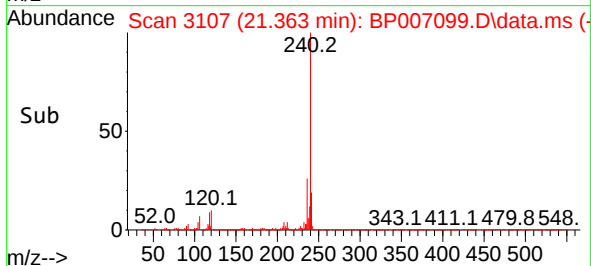
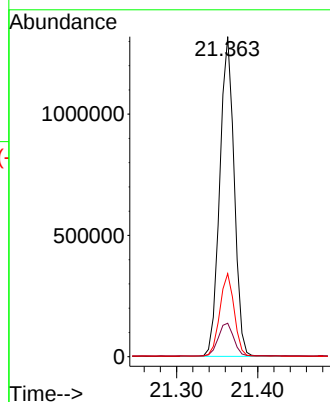
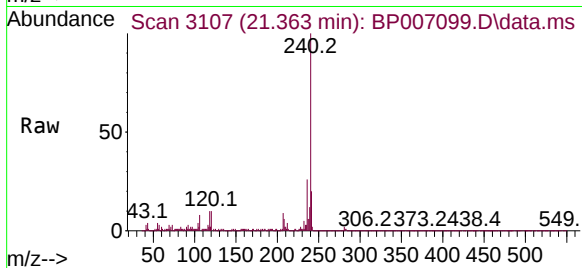
Tgt Ion:240 Resp: 1632937

Ion Ratio Lower Upper

240 100

120 10.4 6.5 9.7#

236 26.0 20.6 31.0



#78

Pyrene

Concen: 2.867 ng

RT: 19.639 min Scan# 2814

Delta R.T. 0.000 min

Lab File: BP007099.D

Acq: 22 Sep 2021 15:45

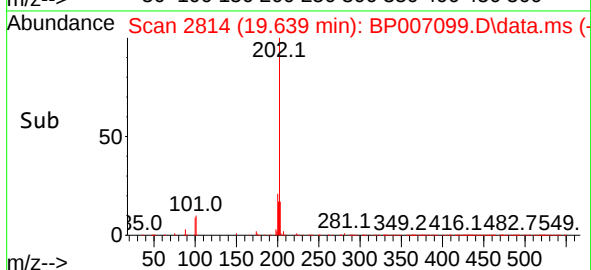
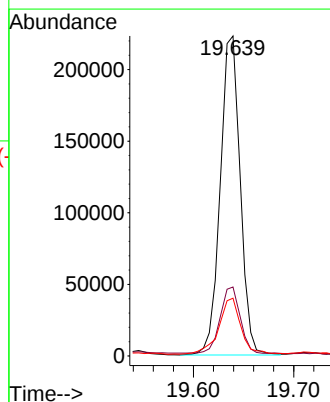
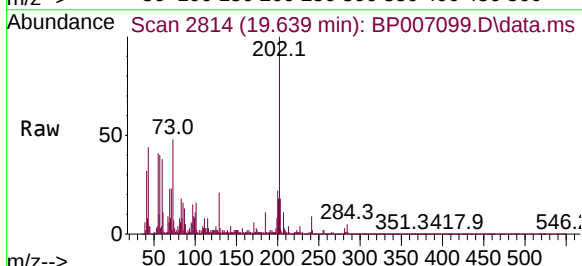
Tgt Ion:202 Resp: 307184

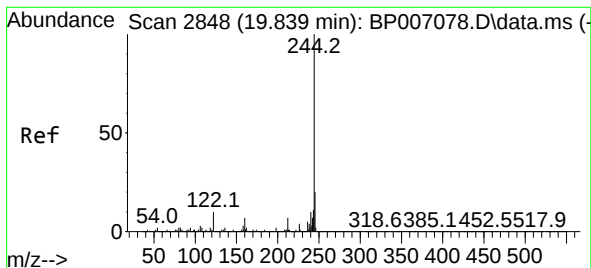
Ion Ratio Lower Upper

202 100

200 21.5 16.3 24.5

203 18.1 14.2 21.2





#79

Terphenyl-d14

Concen: 4.223 ng

RT: 19.834 min Scan# 2847

Delta R.T. -0.005 min

Lab File: BP007099.D

Acq: 22 Sep 2021 15:45

Instrument :

BNA\_P

ClientSampleId :

CL-01-091721

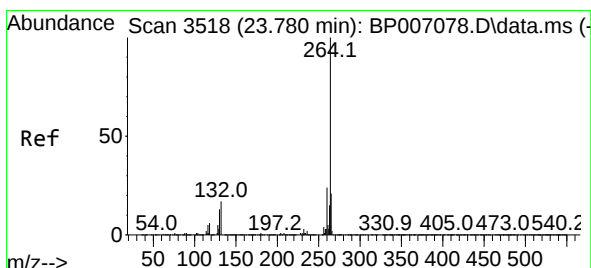
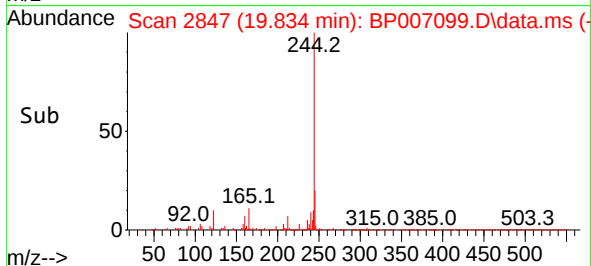
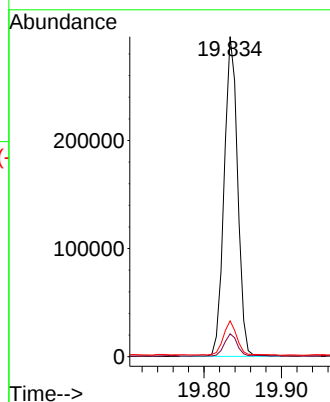
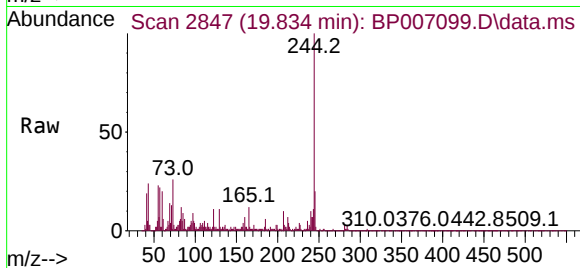
Tgt Ion:244 Resp: 359867

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 11.2 7.1 10.7#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.780 min Scan# 3518

Delta R.T. 0.000 min

Lab File: BP007099.D

Acq: 22 Sep 2021 15:45

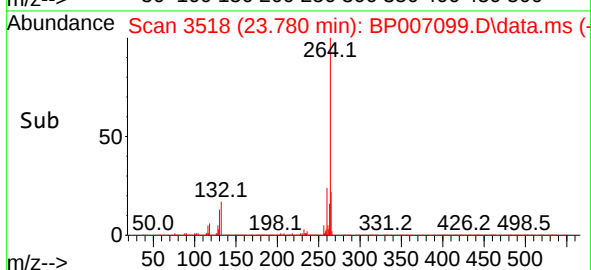
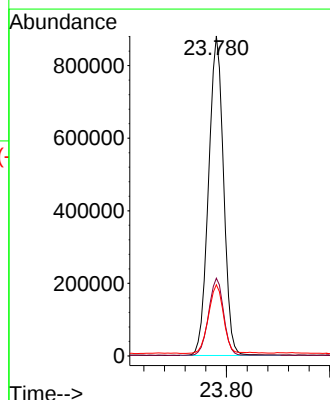
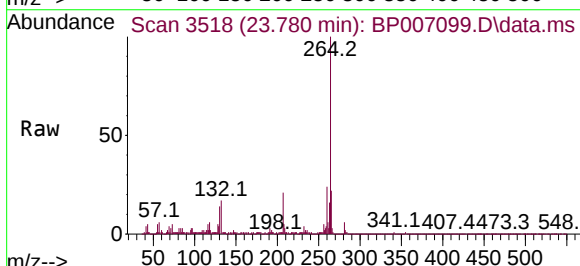
Tgt Ion:264 Resp: 1771064

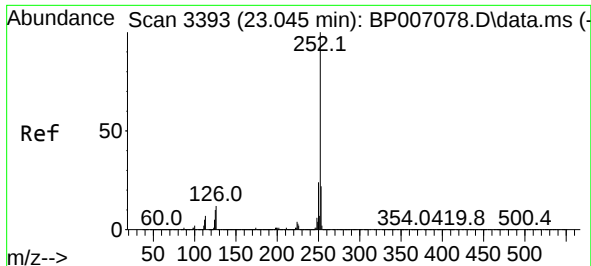
Ion Ratio Lower Upper

264 100

260 24.3 18.6 28.0

265 22.3 17.6 26.4

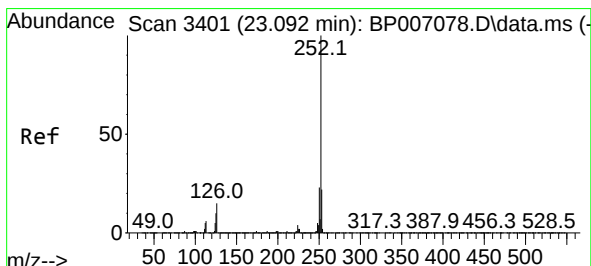
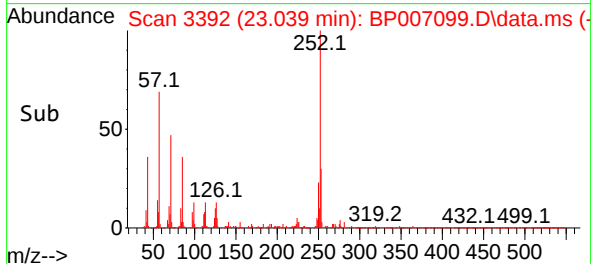
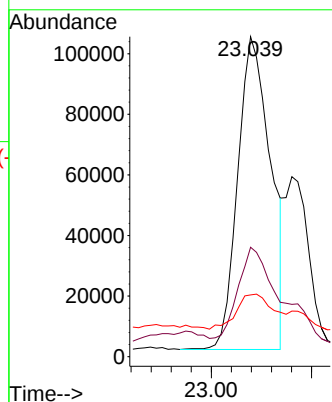
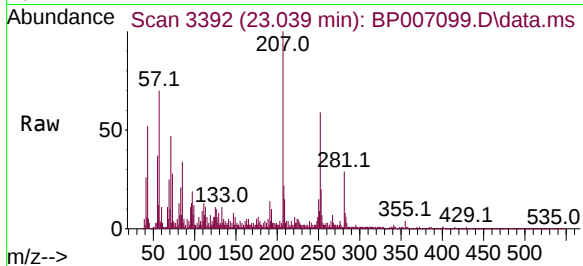




#88  
Benzo(b)fluoranthene  
Concen: 2.222 ng  
RT: 23.039 min Scan# 3392  
Delta R.T. -0.006 min  
Lab File: BP007099.D  
Acq: 22 Sep 2021 15:45

Instrument :  
BNA\_P  
ClientSampleId :  
CL-01-091721

Tgt Ion:252 Resp: 235151  
Ion Ratio Lower Upper  
252 100  
253 34.2 17.5 26.3#  
125 19.3 6.2 9.4#



#89  
Benzo(k)fluoranthene  
Concen: 2.194 ng  
RT: 23.039 min Scan# 3392  
Delta R.T. -0.053 min  
Lab File: BP007099.D  
Acq: 22 Sep 2021 15:45

Tgt Ion:252 Resp: 235151  
Ion Ratio Lower Upper  
252 100  
253 34.2 17.6 26.4#  
125 19.3 6.0 9.0#

