

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF111021\  
 Data File : BF126115.D  
 Acq On : 10 Nov 2021 19:21  
 Operator : JU/CG  
 Sample : M4574-02 2X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VWE-B6-110521-10-20

Quant Time: Nov 11 09:31:48 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF110321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 03 17:21:25 2021  
 Response via : Initial Calibration

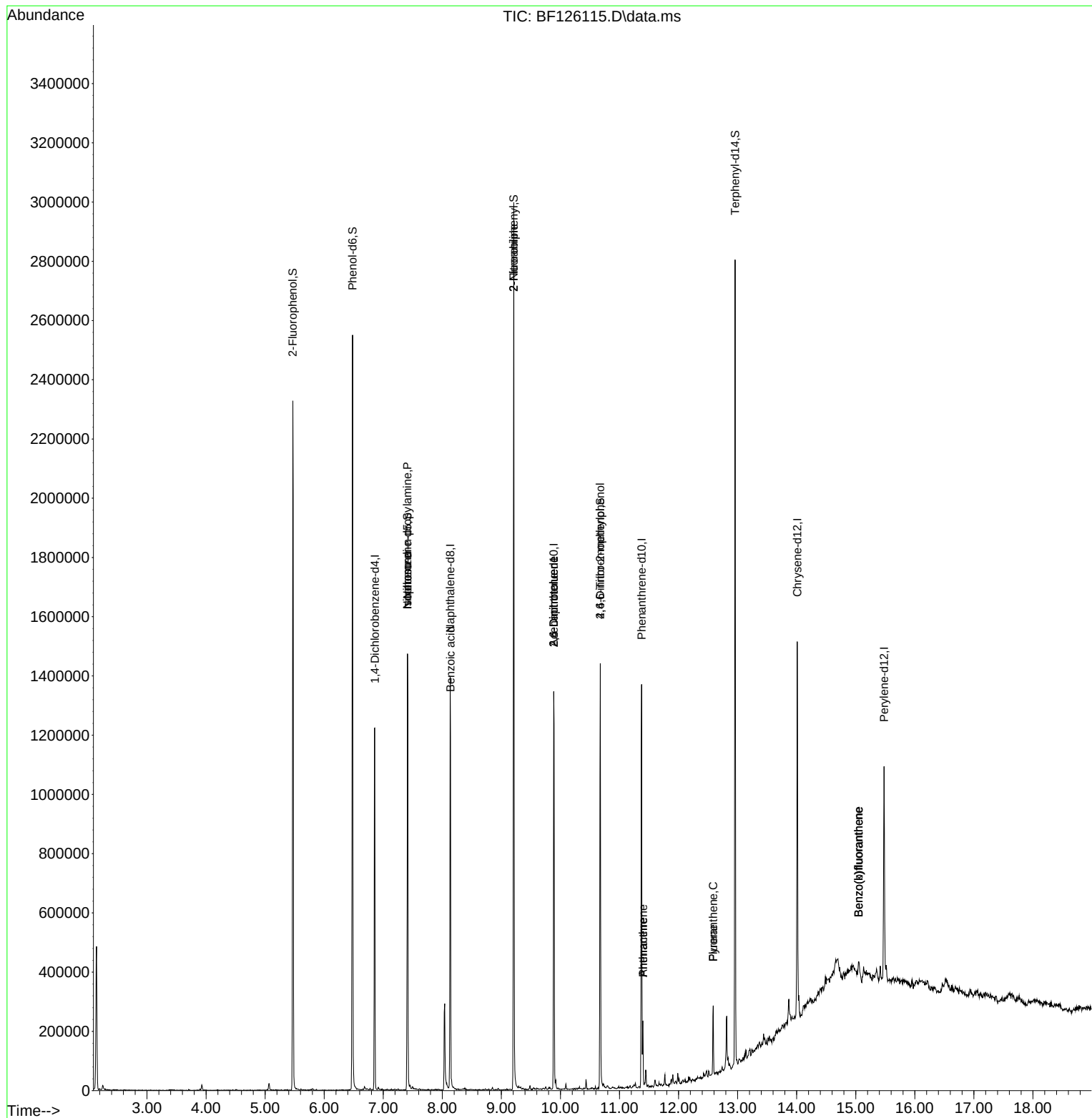
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.857  | 152  | 174661   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.134  | 136  | 554815   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.886  | 164  | 282511   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.375 | 188  | 482543   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.010 | 240  | 401642   | 20.000    | ng    | # 0.00   |
| 86) Perylene-d12              | 15.480 | 264  | 315024   | 20.000    | ng    | 0.01     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.469  | 112  | 516854   | 50.817    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.481  | 99   | 638900   | 44.561    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.410  | 82   | 445439   | 37.863    | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.675 | 330  | 151912   | 46.921    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.210  | 172  | 802197   | 38.372    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.957 | 244  | 799527   | 32.100    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.481  | 77   | 1232     | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.410  | 70   | 66399    | 7.025     | ng    | # 61     |
| 25) Isophorone                | 7.410  | 82   | 445434   | 21.030    | ng    | # 59     |
| 32) Benzoic acid              | 8.139  | 122  | 225      | 9.180     | ng    | # 1      |
| 48) 2-Nitroaniline            | 9.210  | 65   | 1496     | 3.100     | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.886  | 165  | 35556    | 10.085    | ng    | # 28     |
| 57) 2,4-Dinitrotoluene        | 9.886  | 165  | 35557    | 9.705     | ng    | # 20     |
| 65) 4,6-Dinitro-2-methylph... | 10.675 | 198  | 354      | 8.443     | ng    | # 1      |
| 71) Phenanthrene              | 11.398 | 178  | 78977    | 3.018     | ng    | 97       |
| 72) Anthracene                | 11.398 | 178  | 78977    | 3.023     | ng    | 95       |
| 75) Fluoranthene              | 12.586 | 202  | 91681    | 3.146     | ng    | 95       |
| 78) Pyrene                    | 12.586 | 202  | 91681    | 2.846     | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.051 | 252  | 41782    | 2.039     | ng    | # 87     |
| 89) Benzo(k)fluoranthene      | 15.051 | 252  | 41782    | 2.102     | ng    | # 86     |
| -----                         |        |      |          |           |       |          |

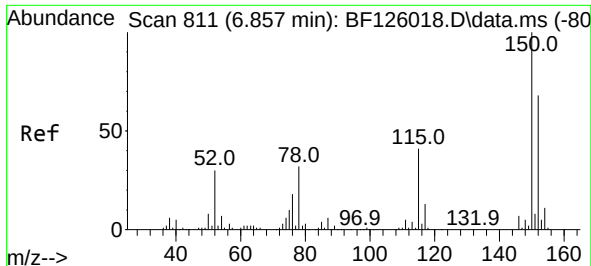
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF111021\  
Data File : BF126115.D  
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ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VWE-B6-110521-10-20

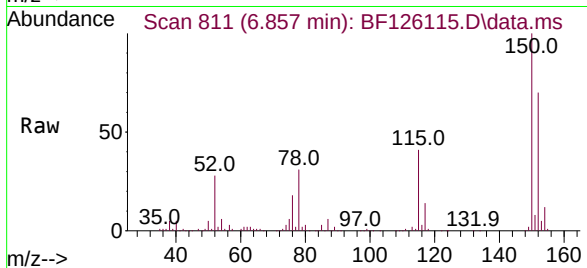
Quant Time: Nov 11 09:31:48 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF110321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Nov 03 17:21:25 2021  
Response via : Initial Calibration



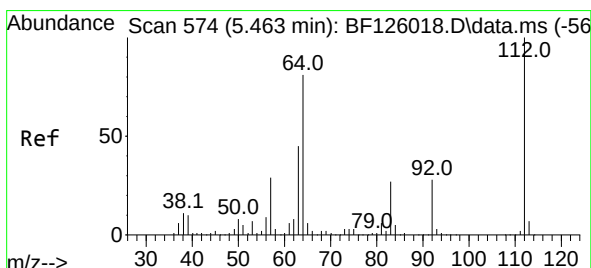
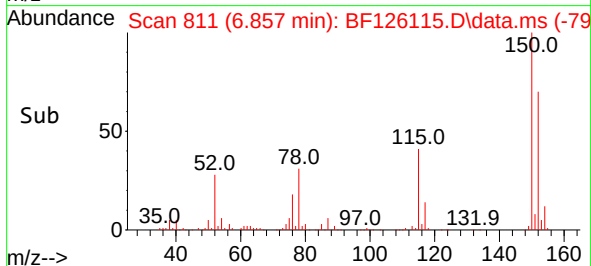
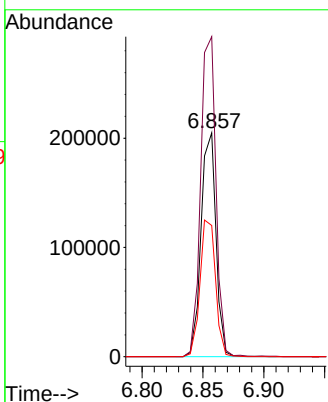


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.857 min Scan# 811  
Delta R.T. 0.000 min  
Lab File: BF126115.D  
Acq: 10 Nov 2021 19:21

Instrument :  
BNA\_F  
ClientSampleId :  
VWE-B6-110521-10-20

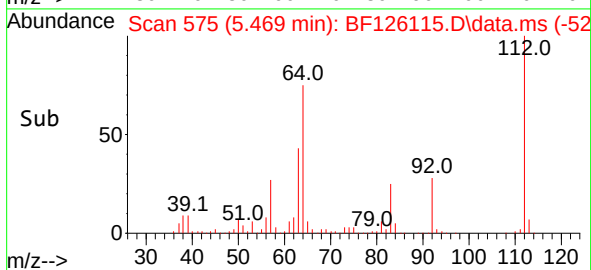
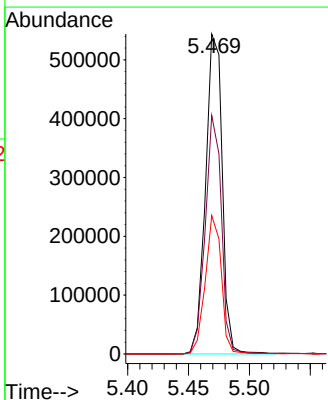
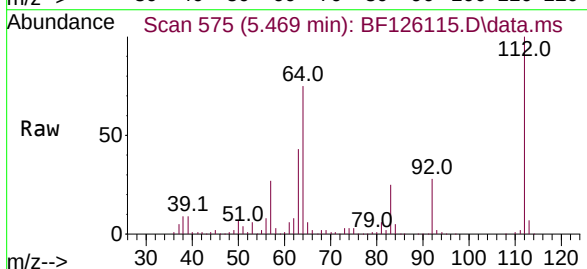


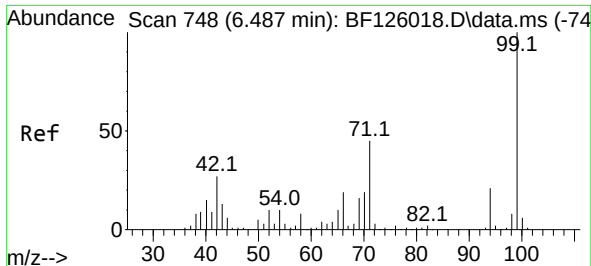
Tgt Ion:152 Resp: 174661  
Ion Ratio Lower Upper  
152 100  
150 142.9 117.6 176.4  
115 58.6 47.1 70.7



#5  
2-Fluorophenol  
Concen: 50.817 ng  
RT: 5.469 min Scan# 575  
Delta R.T. 0.006 min  
Lab File: BF126115.D  
Acq: 10 Nov 2021 19:21

Tgt Ion:112 Resp: 516854  
Ion Ratio Lower Upper  
112 100  
64 74.6 44.2 66.2#  
63 43.2 26.2 39.2#

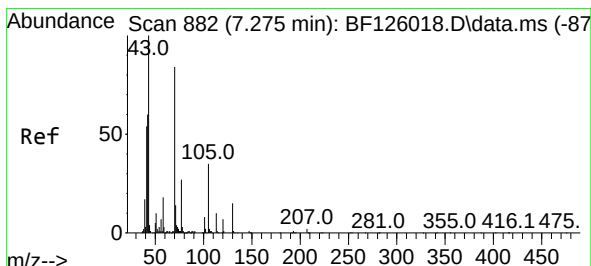
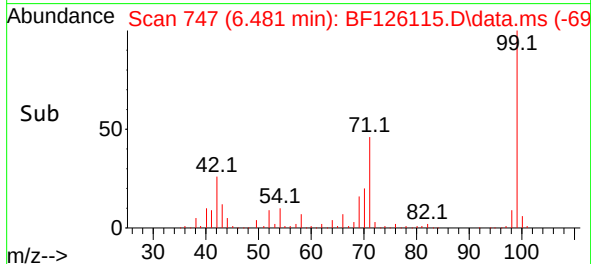
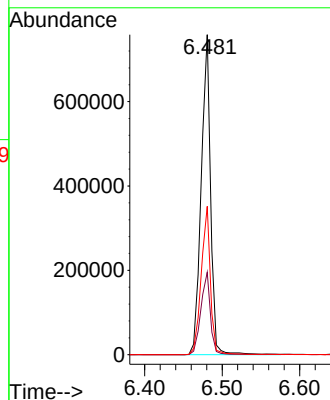
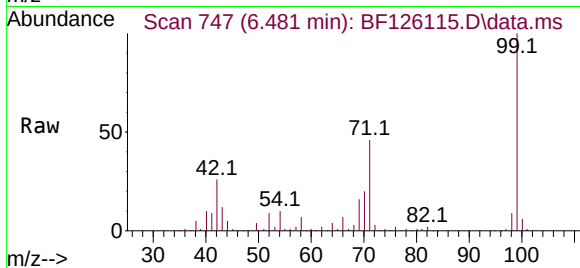




#7  
Phenol-d6  
Concen: 44.561 ng  
RT: 6.481 min Scan# 74  
Delta R.T. -0.006 min  
Lab File: BF126115.D  
Acq: 10 Nov 2021 19:21

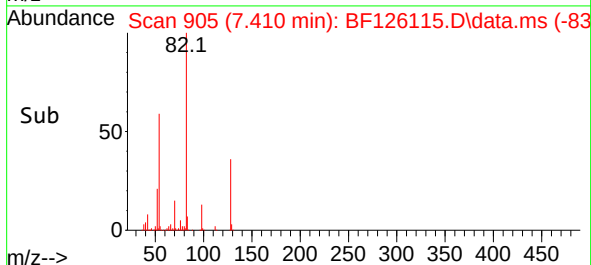
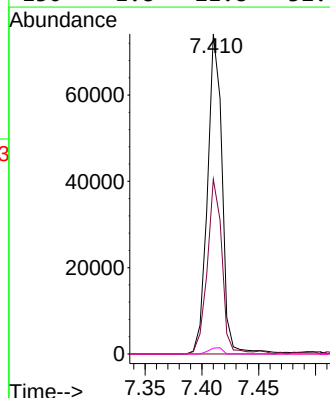
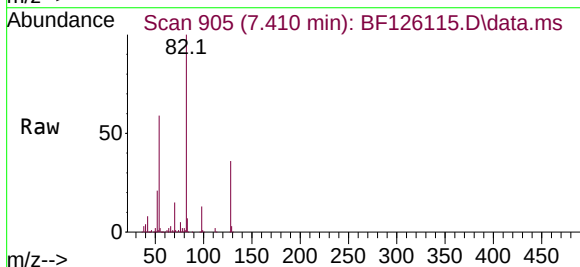
Instrument :  
BNA\_F  
ClientSampleId :  
VWE-B6-110521-10-20

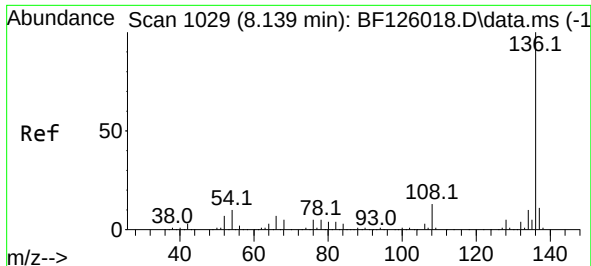
Tgt Ion: 99 Resp: 638900  
Ion Ratio Lower Upper  
99 100  
42 25.8 23.5 35.3  
71 46.3 25.6 38.4#



#19  
n-Nitroso-di-n-propylamine  
Concen: 7.025 ng  
RT: 7.410 min Scan# 905  
Delta R.T. 0.135 min  
Lab File: BF126115.D  
Acq: 10 Nov 2021 19:21

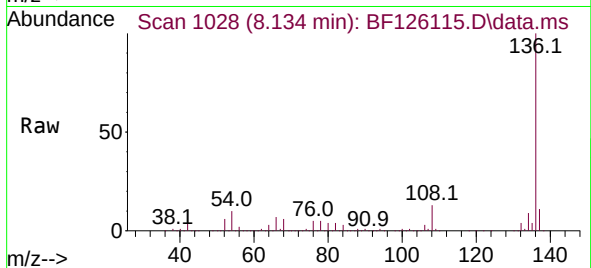
Tgt Ion: 70 Resp: 66399  
Ion Ratio Lower Upper  
70 100  
42 54.6 72.2 108.2#  
101 0.0 7.8 11.8#  
130 1.8 21.8 32.6#



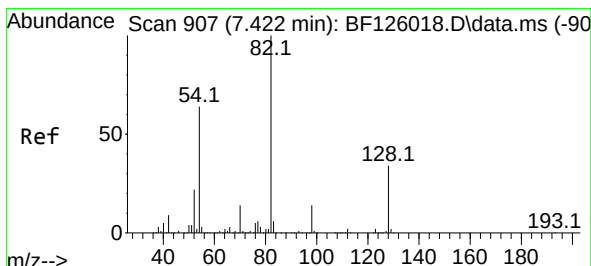
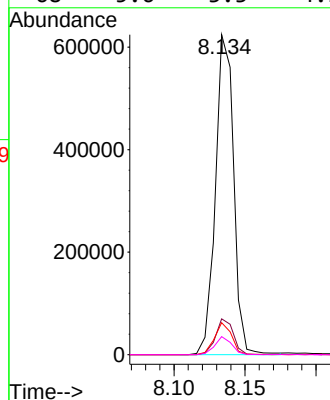
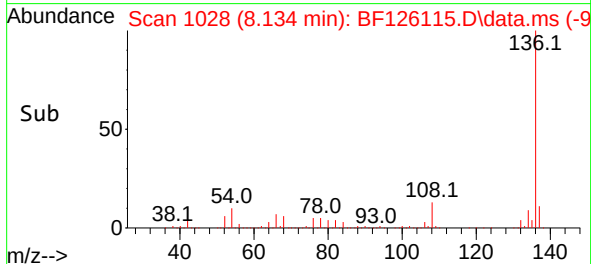


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.134 min Scan# 1028  
Delta R.T. -0.005 min  
Lab File: BF126115.D  
Acq: 10 Nov 2021 19:21

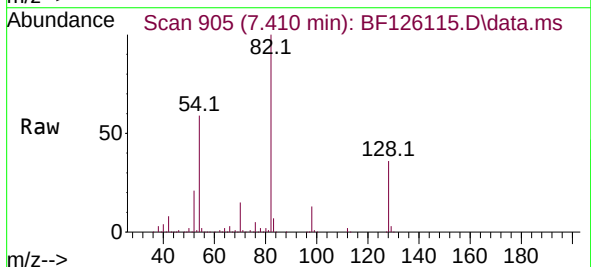
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BNA\_F  
ClientSampleId :  
VWE-B6-110521-10-20



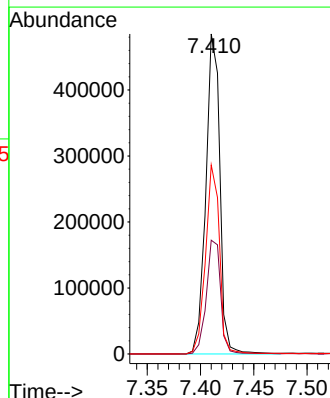
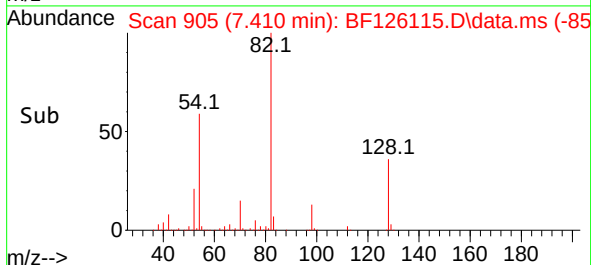
Tgt Ion:136 Resp: 554815  
Ion Ratio Lower Upper  
136 100  
137 11.2 9.8 14.6  
54 10.0 6.4 9.6#  
68 5.6 3.3 4.9#

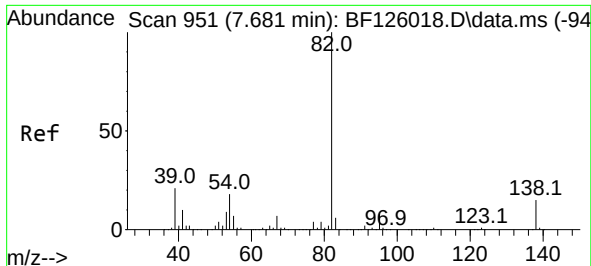


#23  
Nitrobenzene-d5  
Concen: 37.863 ng  
RT: 7.410 min Scan# 905  
Delta R.T. -0.012 min  
Lab File: BF126115.D  
Acq: 10 Nov 2021 19:21



Tgt Ion: 82 Resp: 445439  
Ion Ratio Lower Upper  
82 100  
128 35.5 40.6 60.8#  
54 59.1 49.6 74.4

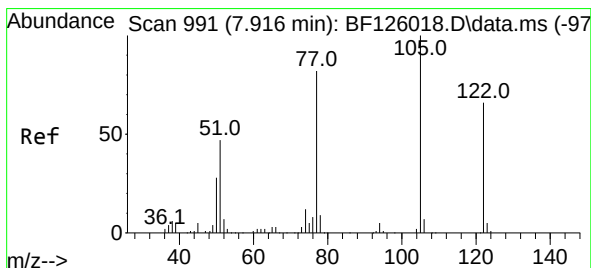
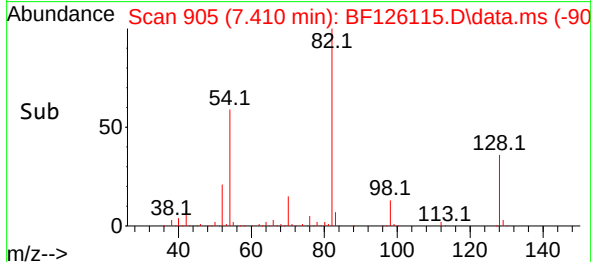
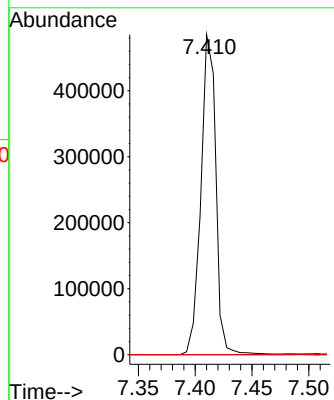
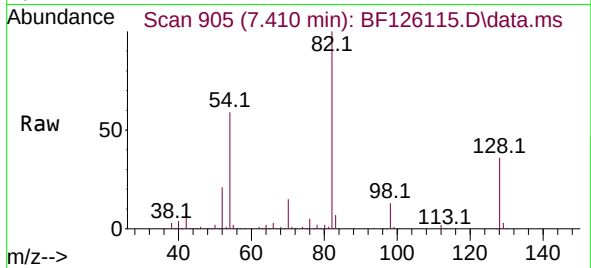




#25  
Isophorone  
Concen: 21.030 ng  
RT: 7.410 min Scan# 90  
Delta R.T. -0.271 min  
Lab File: BF126115.D  
Acq: 10 Nov 2021 19:21

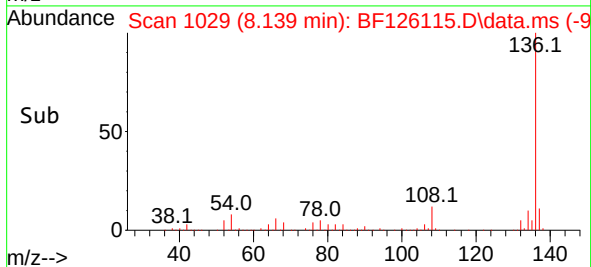
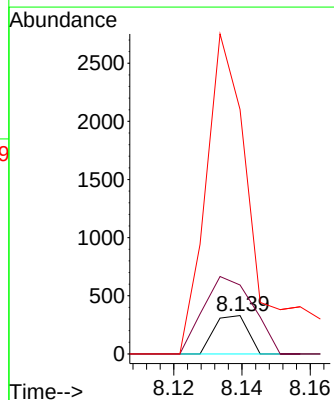
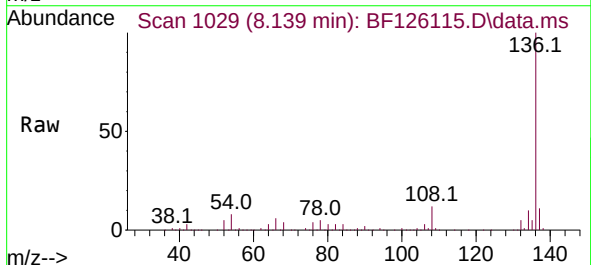
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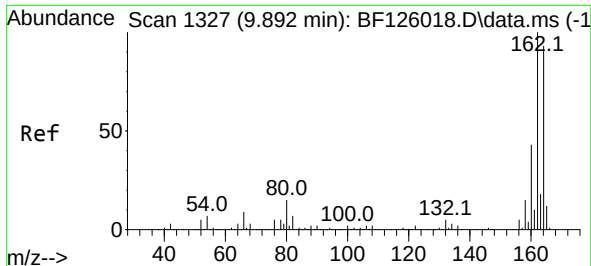
Tgt Ion: 82 Resp: 445434  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.5 9.7#  
138 0.0 18.4 27.6#



#32  
Benzoic acid  
Concen: 9.180 ng  
RT: 8.139 min Scan# 1029  
Delta R.T. 0.223 min  
Lab File: BF126115.D  
Acq: 10 Nov 2021 19:21

Tgt Ion: 122 Resp: 225  
Ion Ratio Lower Upper  
122 100  
105 179.7 97.6 137.6#  
77 637.0 59.6 99.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126115.D

Acq: 10 Nov 2021 19:21

Instrument :

BNA\_F

ClientSampleId :

VWE-B6-110521-10-20

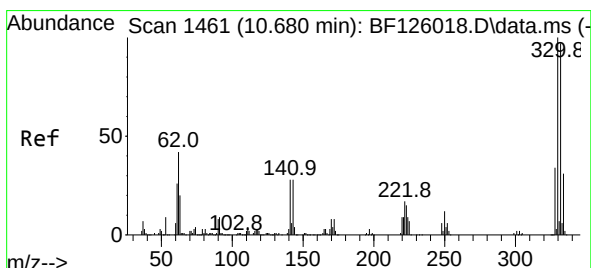
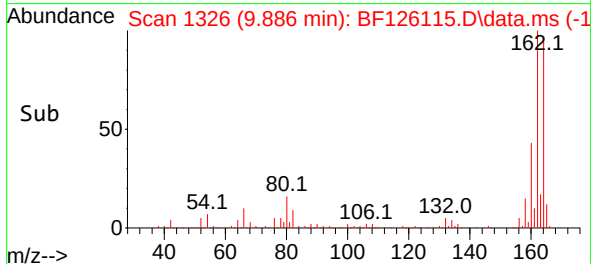
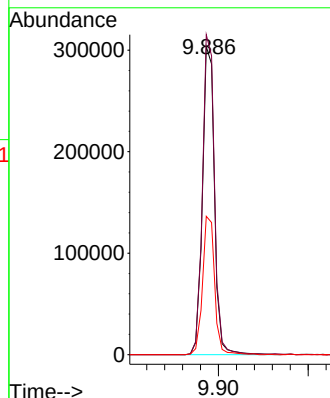
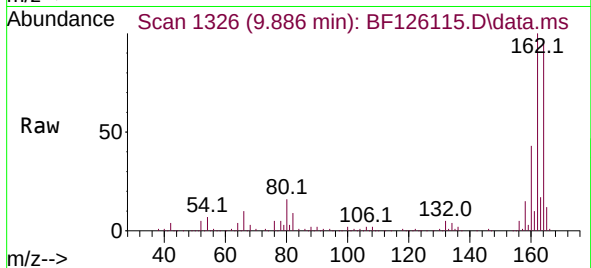
Tgt Ion:164 Resp: 282511

Ion Ratio Lower Upper

164 100

162 103.9 81.3 121.9

160 44.9 38.0 57.0



#42

2,4,6-Tribromophenol

Concen: 46.921 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF126115.D

Acq: 10 Nov 2021 19:21

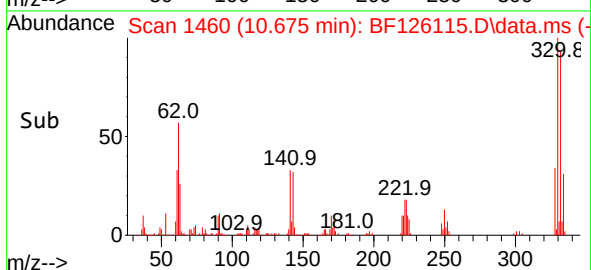
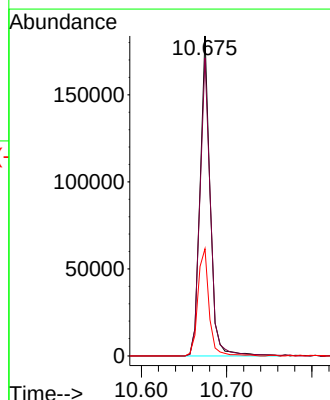
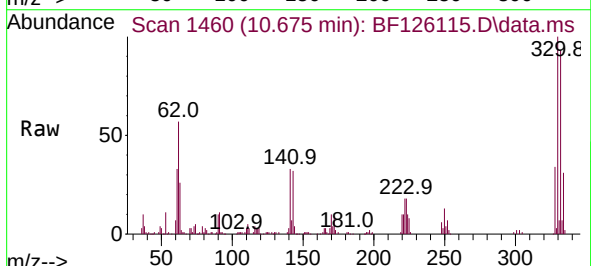
Tgt Ion:330 Resp: 151912

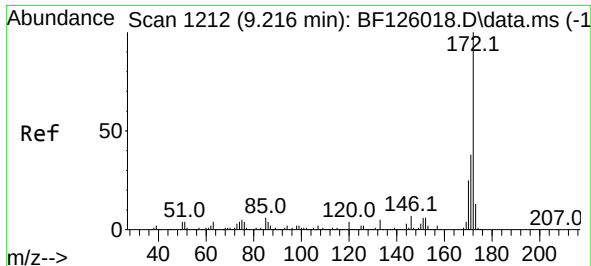
Ion Ratio Lower Upper

330 100

332 96.9 76.2 114.4

141 37.0 44.6 66.8#





#45

2-Fluorobiphenyl

Concen: 38.372 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF126115.D

Acq: 10 Nov 2021 19:21

Instrument :

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ClientSampleId :

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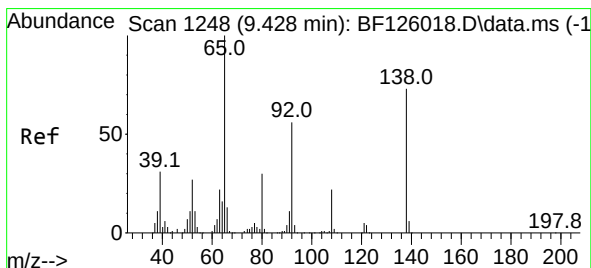
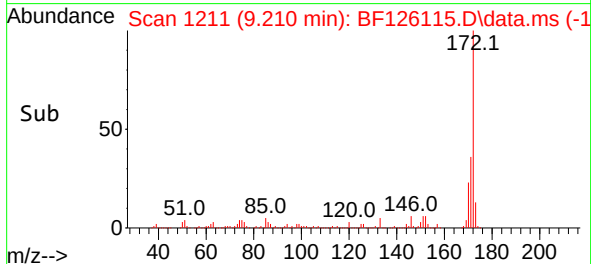
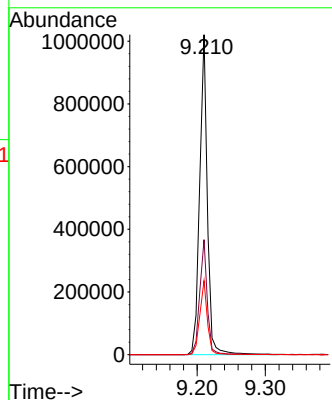
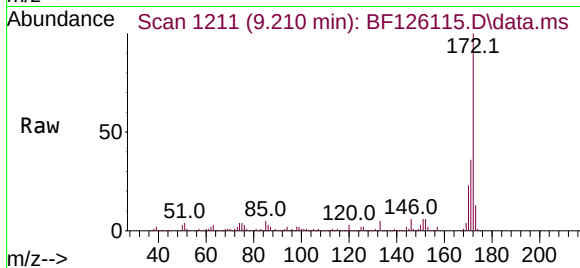
Tgt Ion:172 Resp: 802197

Ion Ratio Lower Upper

172 100

171 36.0 26.5 39.7

170 23.1 18.8 28.2



#48

2-Nitroaniline

Concen: 3.100 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.218 min

Lab File: BF126115.D

Acq: 10 Nov 2021 19:21

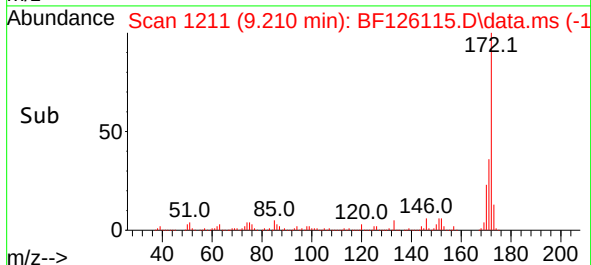
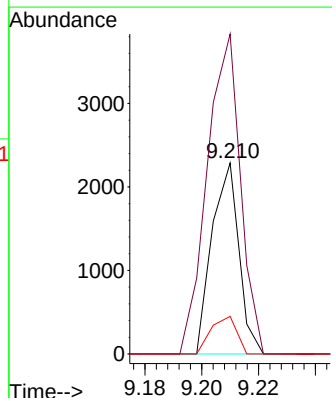
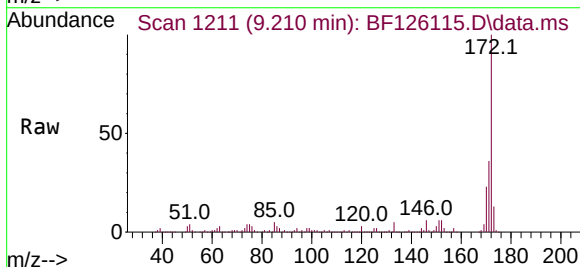
Tgt Ion: 65 Resp: 1496

Ion Ratio Lower Upper

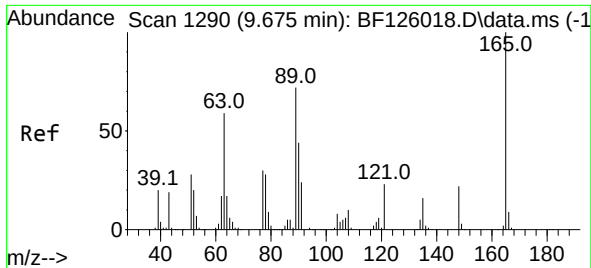
65 100

92 167.5 55.5 83.3#

138 19.7 93.5 140.3#



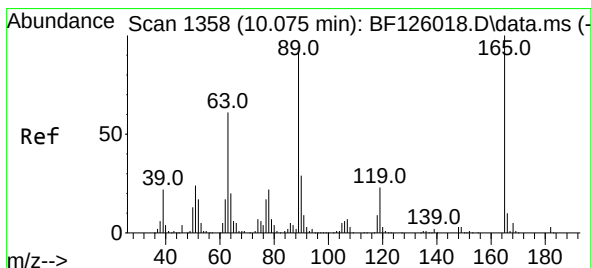
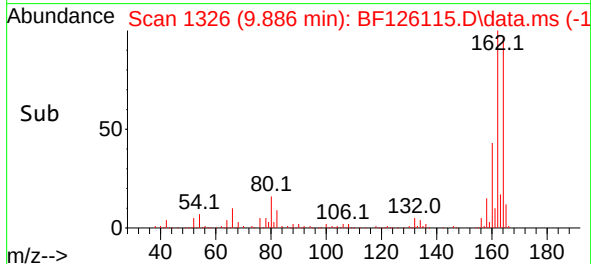
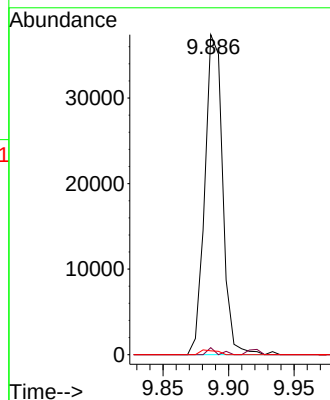
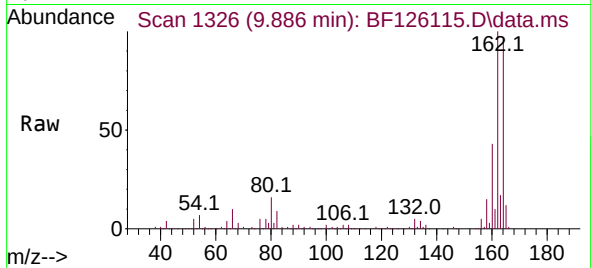




#51  
2,6-Dinitrotoluene  
Concen: 10.085 ng  
RT: 9.886 min Scan# 11  
Delta R.T. 0.211 min  
Lab File: BF126115.D  
Acq: 10 Nov 2021 19:21

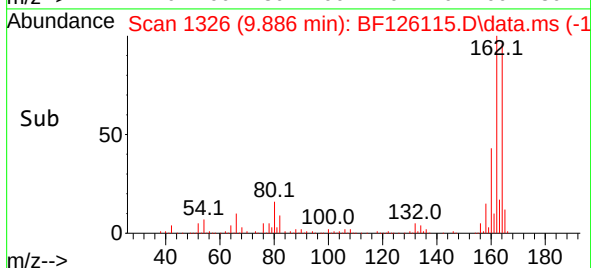
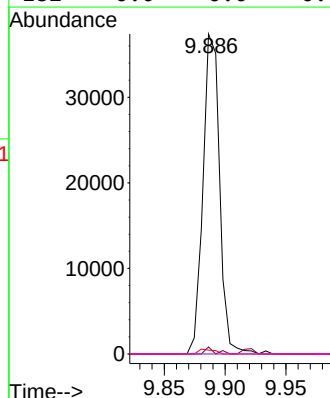
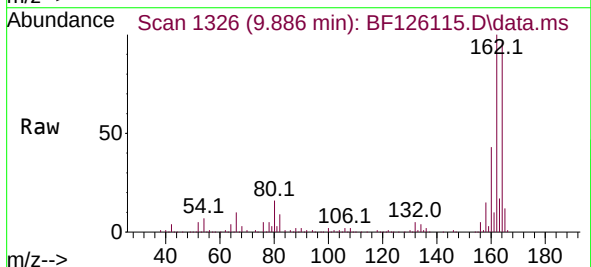
Instrument :  
BNA\_F  
ClientSampleId :  
VWE-B6-110521-10-20

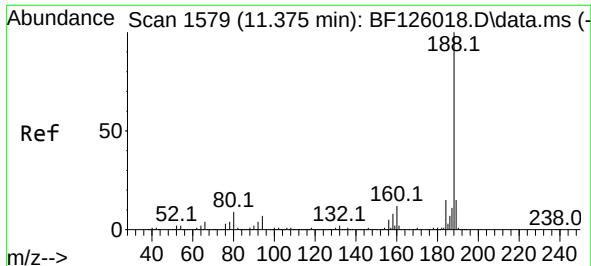
Tgt Ion:165 Resp: 35556  
Ion Ratio Lower Upper  
165 100  
63 2.2 42.6 63.8#  
89 1.2 40.6 60.8#



#57  
2,4-Dinitrotoluene  
Concen: 9.705 ng  
RT: 9.886 min Scan# 1326  
Delta R.T. -0.189 min  
Lab File: BF126115.D  
Acq: 10 Nov 2021 19:21

Tgt Ion:165 Resp: 35557  
Ion Ratio Lower Upper  
165 100  
63 2.2 40.9 61.3#  
89 1.2 59.7 89.5#  
182 0.0 0.0 0.0

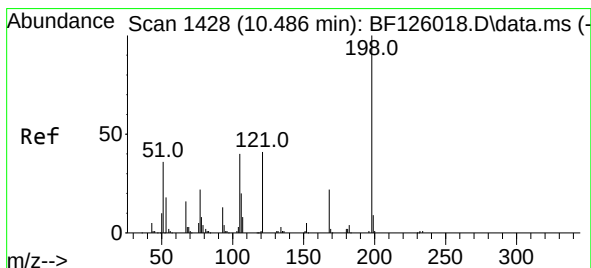
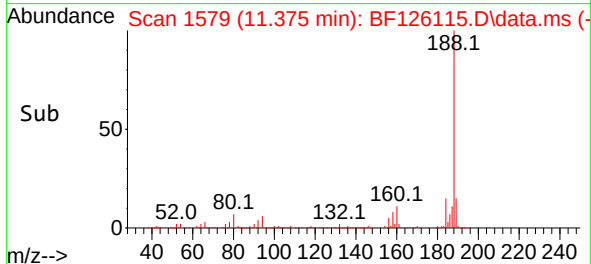
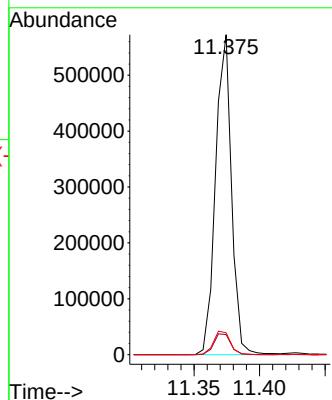
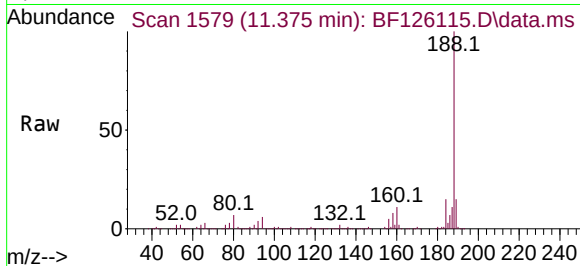




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.375 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: BF126115.D  
Acq: 10 Nov 2021 19:21

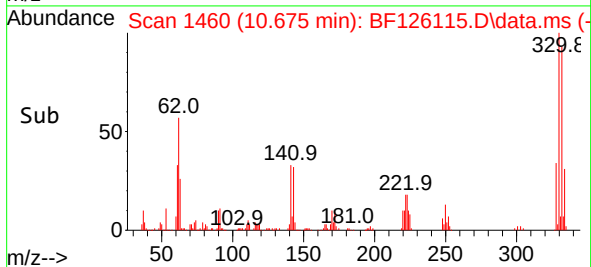
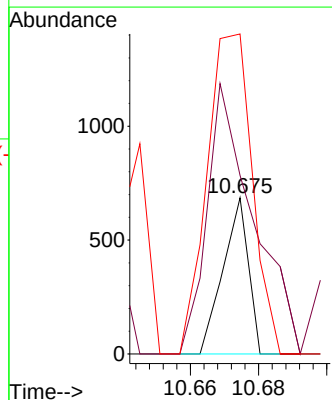
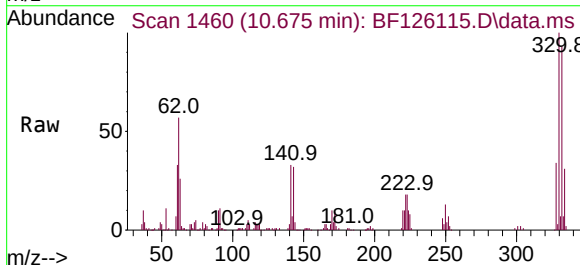
Instrument :  
BNA\_F  
ClientSampleId :  
VWE-B6-110521-10-20

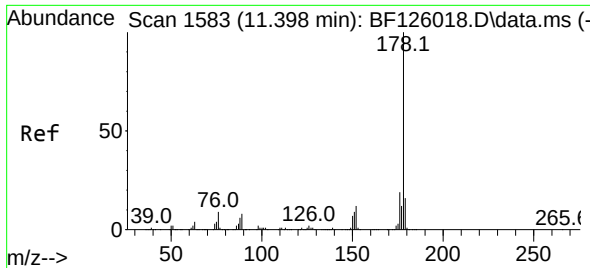
Tgt Ion:188 Resp: 482543  
Ion Ratio Lower Upper  
188 100  
94 6.3 6.7 10.1#  
80 6.9 7.5 11.3#



#65  
4,6-Dinitro-2-methylphenol  
Concen: 8.443 ng  
RT: 10.675 min Scan# 1460  
Delta R.T. 0.189 min  
Lab File: BF126115.D  
Acq: 10 Nov 2021 19:21

Tgt Ion:198 Resp: 354  
Ion Ratio Lower Upper  
198 100  
51 114.3 45.3 85.3#  
105 204.8 30.6 70.6#

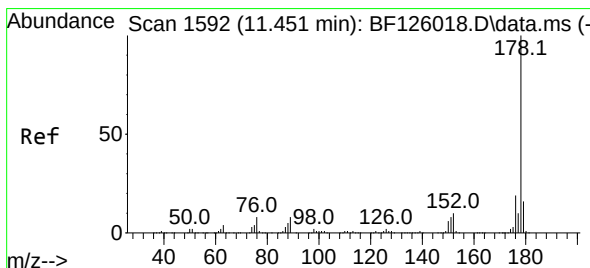
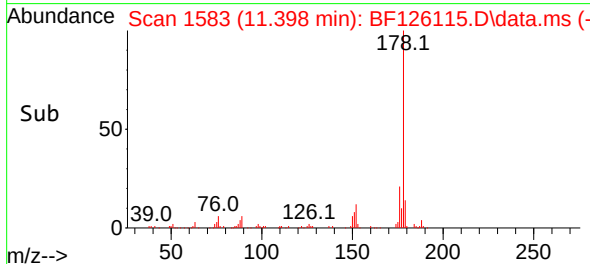
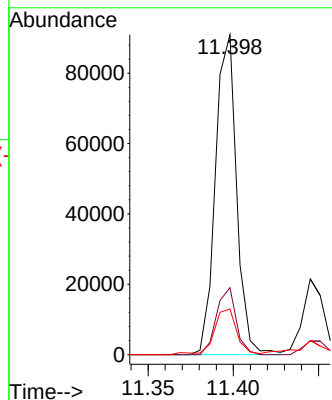
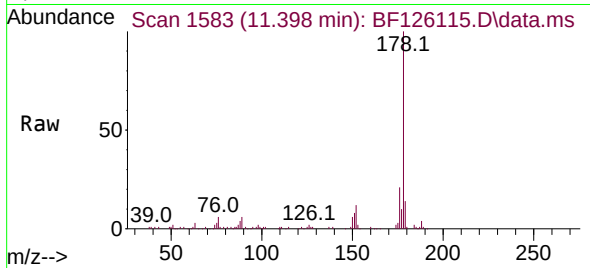




#71  
Phenanthrene  
Concen: 3.018 ng  
RT: 11.398 min Scan# 1583  
Delta R.T. 0.000 min  
Lab File: BF126115.D  
Acq: 10 Nov 2021 19:21

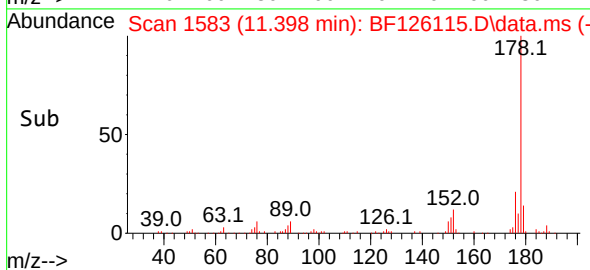
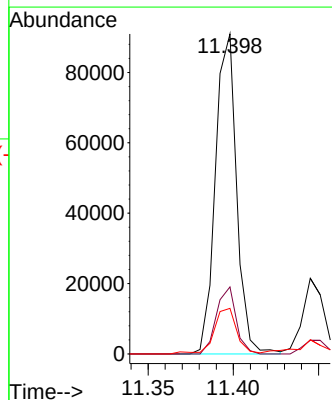
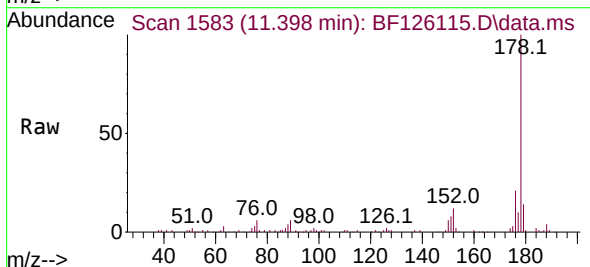
Instrument :  
BNA\_F  
ClientSampleId :  
VWE-B6-110521-10-20

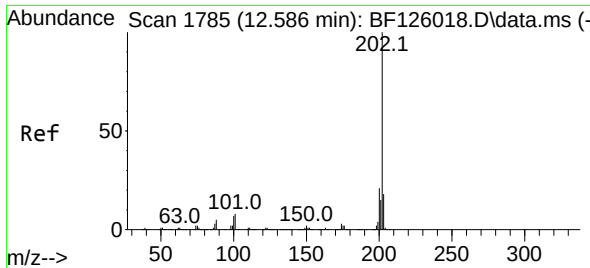
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 78977     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 21.0  | 14.7 22.1 |
| 179         | 14.3  | 11.5 17.3 |



#72  
Anthracene  
Concen: 3.023 ng  
RT: 11.398 min Scan# 1583  
Delta R.T. -0.053 min  
Lab File: BF126115.D  
Acq: 10 Nov 2021 19:21

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 78977     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 21.0  | 14.3 21.5 |
| 179         | 14.3  | 12.2 18.4 |

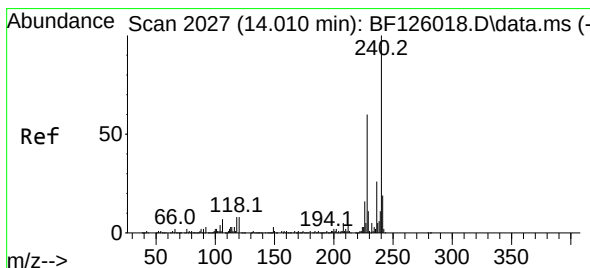
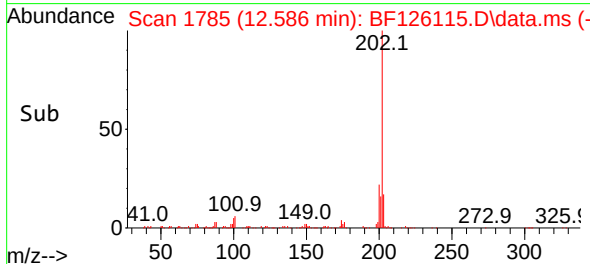
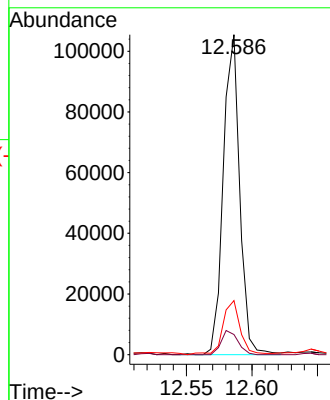
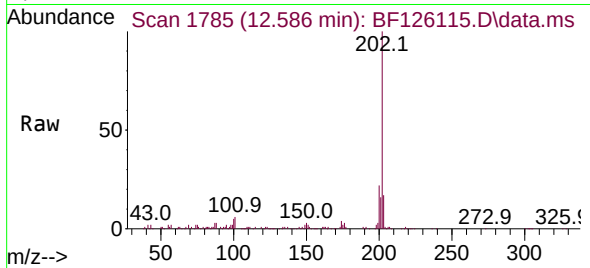




#75  
Fluoranthene  
Concen: 3.146 ng  
RT: 12.586 min Scan# 1785  
Delta R.T. 0.000 min  
Lab File: BF126115.D  
Acq: 10 Nov 2021 19:21

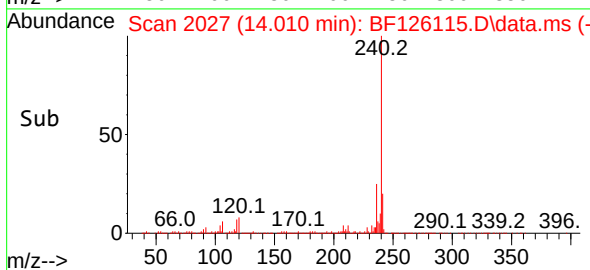
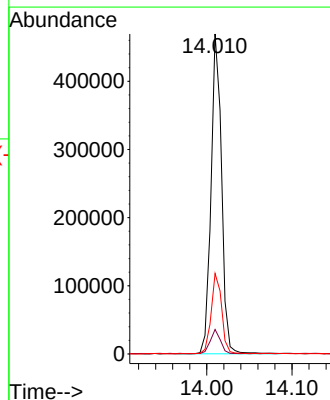
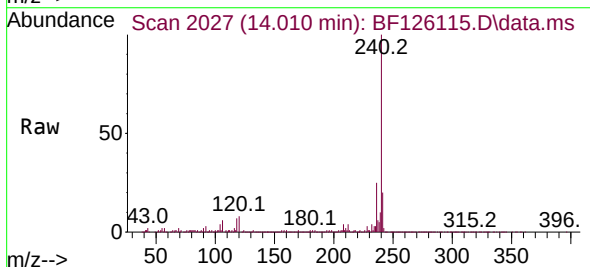
Instrument :  
BNA\_F  
ClientSampleId :  
VWE-B6-110521-10-20

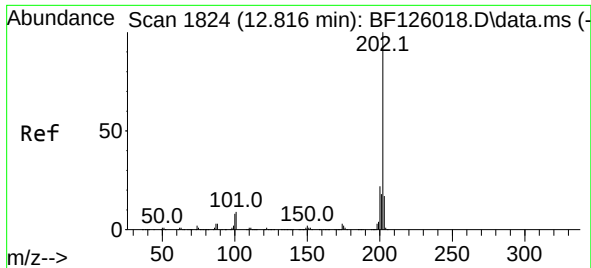
Tgt Ion:202 Resp: 91681  
Ion Ratio Lower Upper  
202 100  
101 6.3 0.0 30.7  
203 16.9 0.0 36.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.010 min Scan# 2027  
Delta R.T. -0.000 min  
Lab File: BF126115.D  
Acq: 10 Nov 2021 19:21

Tgt Ion:240 Resp: 401642  
Ion Ratio Lower Upper  
240 100  
120 7.6 10.8 16.2#  
236 25.2 21.6 32.4

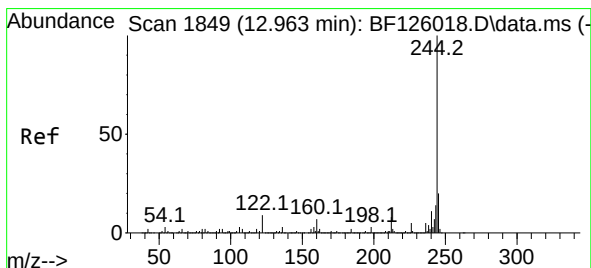
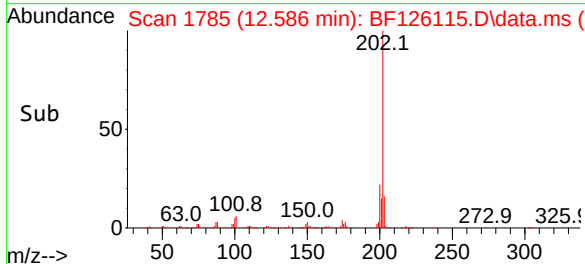
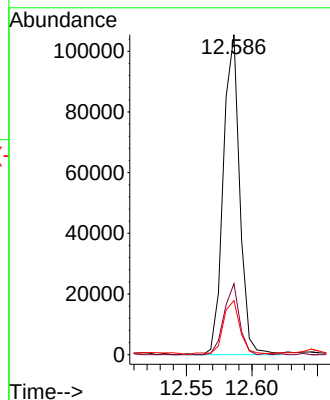
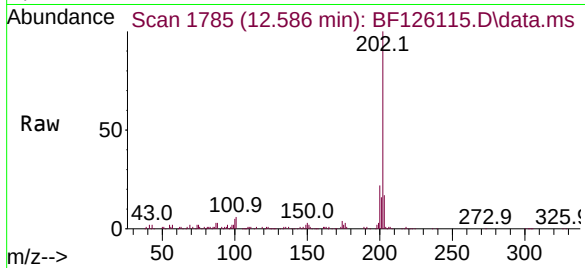




#78  
 Pyrene  
 Concen: 2.846 ng  
 RT: 12.586 min Scan# 11  
 Delta R.T. -0.230 min  
 Lab File: BF126115.D  
 Acq: 10 Nov 2021 19:21

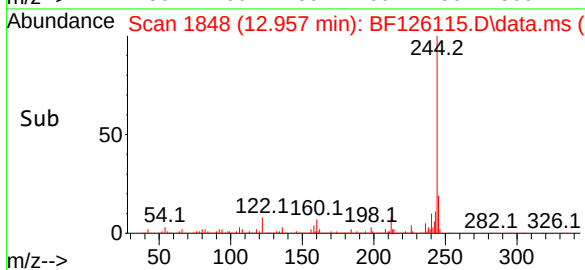
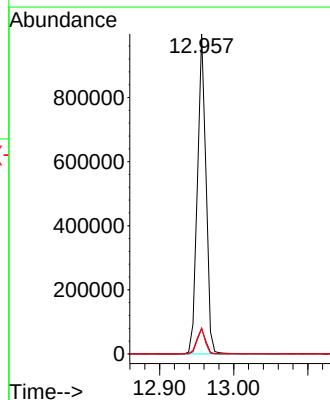
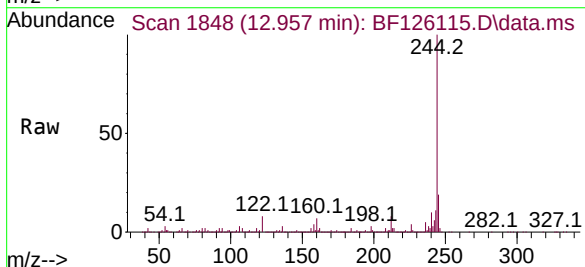
Instrument :  
 BNA\_F  
 ClientSampleId :  
 VWE-B6-110521-10-20

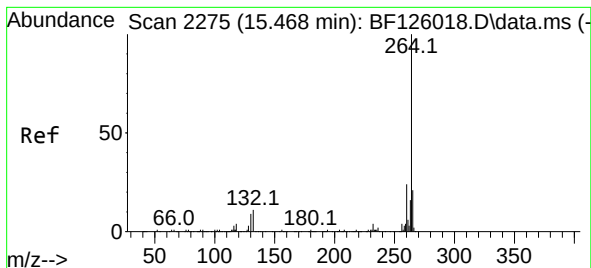
Tgt Ion:202 Resp: 91681  
 Ion Ratio Lower Upper  
 202 100  
 200 22.2 15.3 22.9  
 203 16.9 13.4 20.0



#79  
 Terphenyl-d14  
 Concen: 32.100 ng  
 RT: 12.957 min Scan# 1848  
 Delta R.T. -0.006 min  
 Lab File: BF126115.D  
 Acq: 10 Nov 2021 19:21

Tgt Ion:244 Resp: 799527  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 5.9 8.9  
 122 8.1 9.0 13.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF126115.D

Acq: 10 Nov 2021 19:21

Instrument :

BNA\_F

ClientSampleId :

VWE-B6-110521-10-20

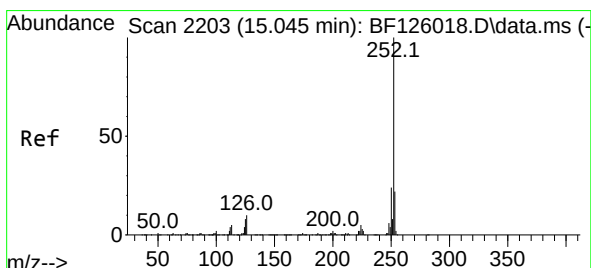
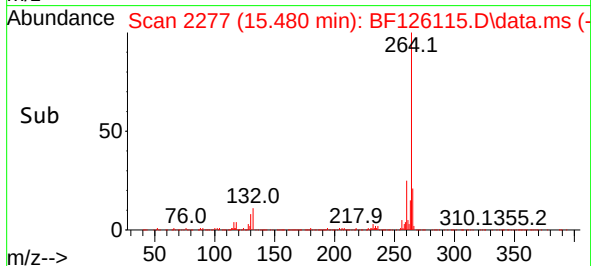
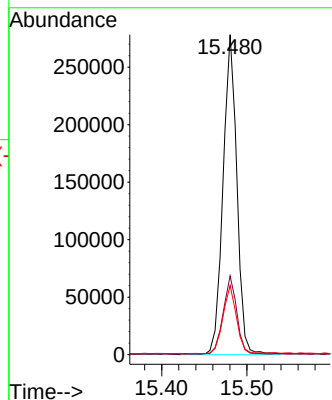
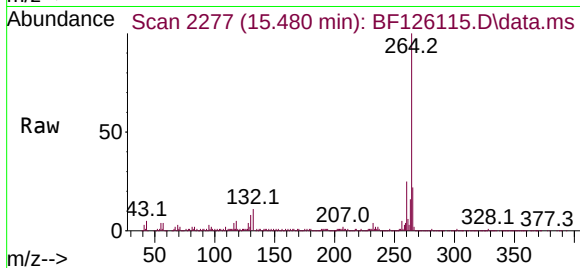
Tgt Ion:264 Resp: 315024

Ion Ratio Lower Upper

264 100

260 24.7 19.6 29.4

265 21.7 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 2.039 ng

RT: 15.051 min Scan# 2204

Delta R.T. 0.006 min

Lab File: BF126115.D

Acq: 10 Nov 2021 19:21

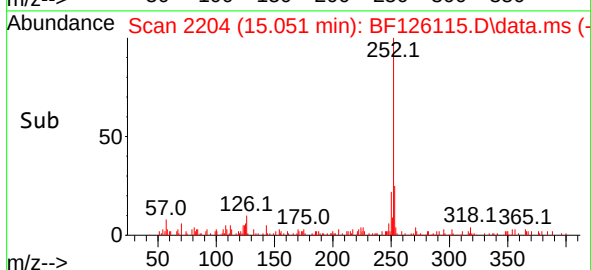
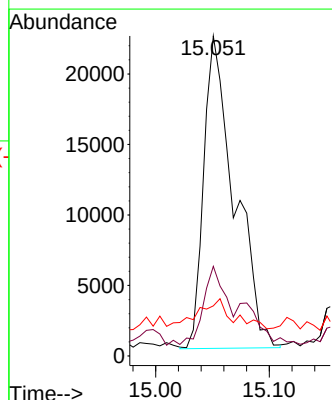
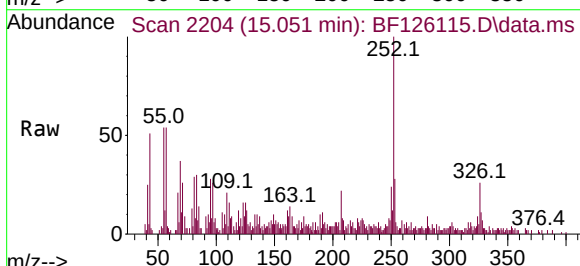
Tgt Ion:252 Resp: 41782

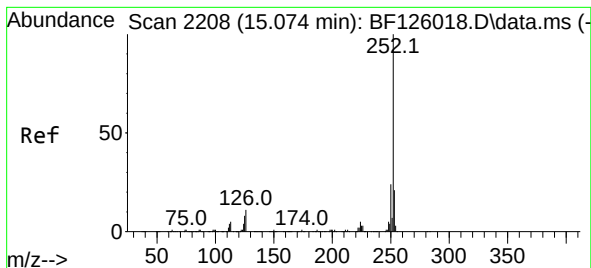
Ion Ratio Lower Upper

252 100

253 28.0 16.8 25.2#

125 15.7 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 2.102 ng

RT: 15.051 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF126115.D

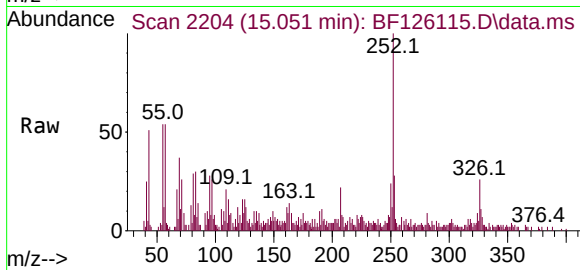
Acq: 10 Nov 2021 19:21

Instrument :

BNA\_F

ClientSampleId :

VWE-B6-110521-10-20



Tgt Ion:252 Resp: 41782

Ion Ratio Lower Upper

252 100

253 28.0 17.8 26.8#

125 15.7 7.2 10.8#

