

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121821\  
 Data File : BF126266.D  
 Acq On : 18 Dec 2021 21:26  
 Operator : JU/CG  
 Sample : M5168-04 10X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-21-G

Quant Time: Dec 20 08:04:40 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF121521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 16 12:22:48 2021  
 Response via : Initial Calibration

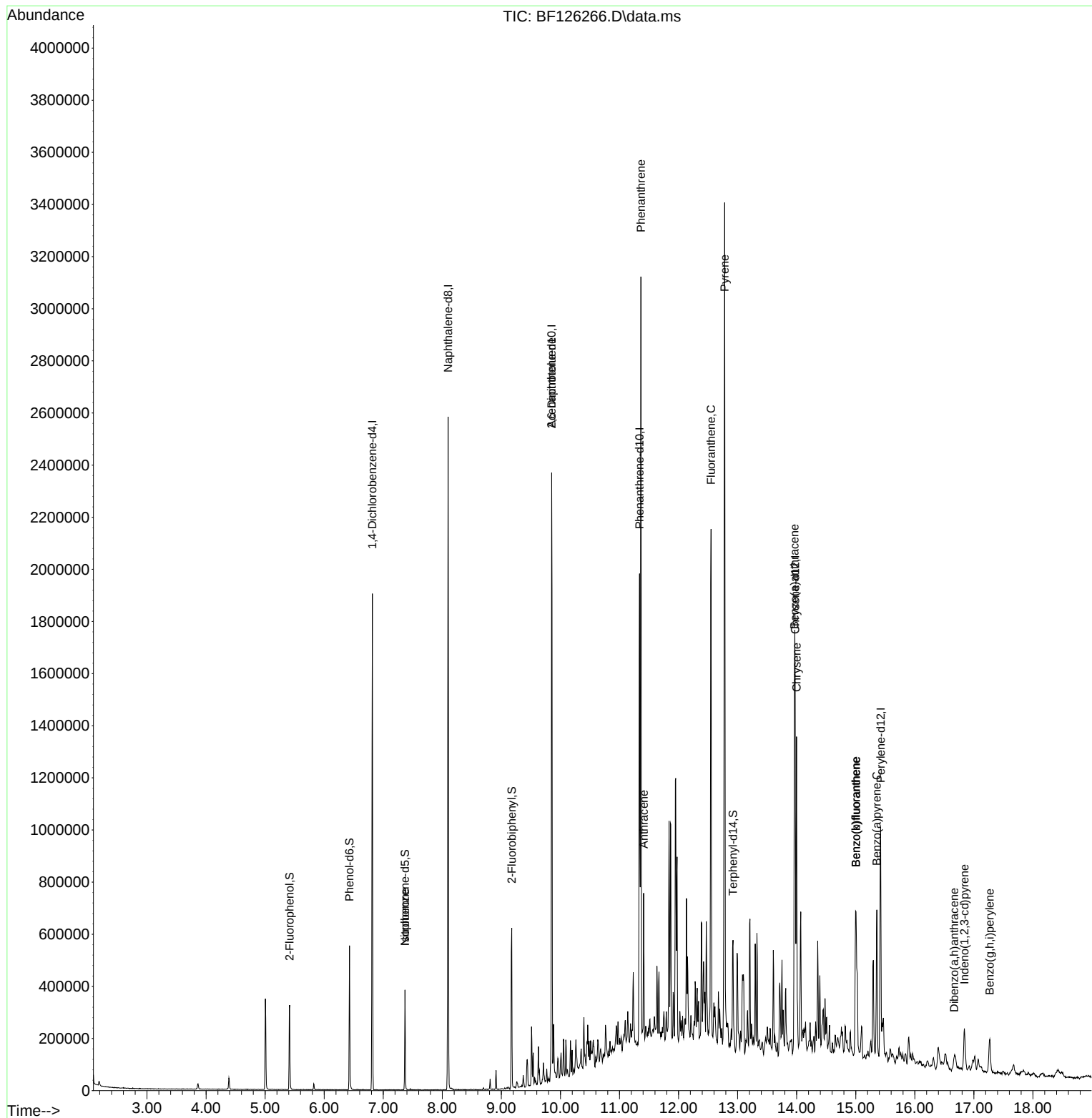
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.816  | 152  | 258730   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.098  | 136  | 1062188  | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 9.851  | 164  | 472583   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.339 | 188  | 656869   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12            | 13.974 | 240  | 367896   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12            | 15.421 | 264  | 354386   | 20.000 | ng    | 0.01     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.416  | 112  | 96389    | 5.486  | ng    | 0.00     |
| 7) Phenol-d6                | 6.428  | 99   | 168493   | 7.553  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.369  | 82   | 107751   | 5.494  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.633 | 330  | 3452     | 0.909  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.175  | 172  | 179628   | 6.666  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.922 | 244  | 117626   | 5.557  | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 25) Isophorone              | 7.369  | 82   | 103368   | 2.791  | ng    | # 59     |
| 51) 2,6-Dinitrotoluene      | 9.851  | 165  | 63891    | 9.861  | ng    | # 28     |
| 71) Phenanthrene            | 11.363 | 178  | 1009236  | 29.768 | ng    | 97       |
| 72) Anthracene              | 11.410 | 178  | 186505   | 5.481  | ng    | 99       |
| 75) Fluoranthene            | 12.551 | 202  | 736908   | 24.125 | ng    | 93       |
| 78) Pyrene                  | 12.780 | 202  | 1278249  | 37.819 | ng    | 97       |
| 81) Benzo(a)anthracene      | 13.963 | 228  | 443509   | 20.352 | ng    | 100      |
| 83) Chrysene                | 13.998 | 228  | 386205   | 17.057 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene  | 16.839 | 276  | 93088    | 3.938  | ng    | 94       |
| 88) Benzo(b)fluoranthene    | 15.004 | 252  | 405004   | 19.020 | ng    | # 92     |
| 89) Benzo(k)fluoranthene    | 15.004 | 252  | 405004   | 19.883 | ng    | # 92     |
| 90) Benzo(a)pyrene          | 15.357 | 252  | 242493   | 13.702 | ng    | # 95     |
| 91) Dibenzo(a,h)anthracene  | 16.668 | 278  | 38499    | 2.004  | ng    | 96       |
| 92) Benzo(g,h,i)perylene    | 17.268 | 276  | 86769    | 4.364  | ng    | # 90     |
| -----                       |        |      |          |        |       |          |

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

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Sample : M5168-04 10X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
SB-21-G

Quant Time: Dec 20 08:04:40 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF121521.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 16 12:22:48 2021  
Response via : Initial Calibration

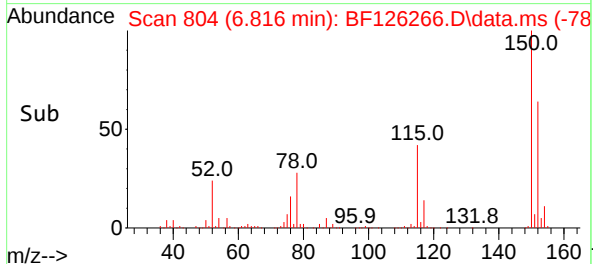
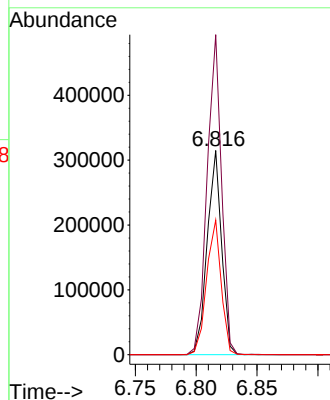
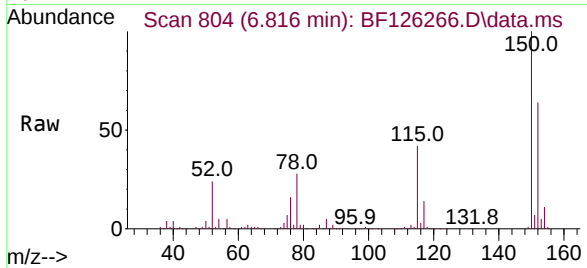




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.816 min Scan# 804  
 Delta R.T. 0.000 min  
 Lab File: BF126266.D  
 Acq: 18 Dec 2021 21:26

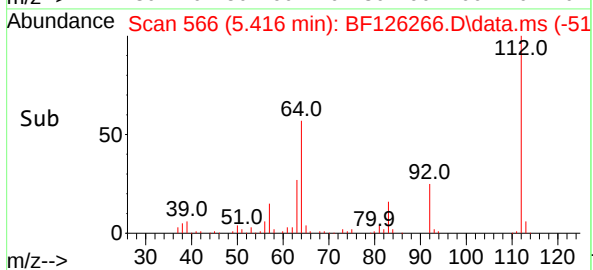
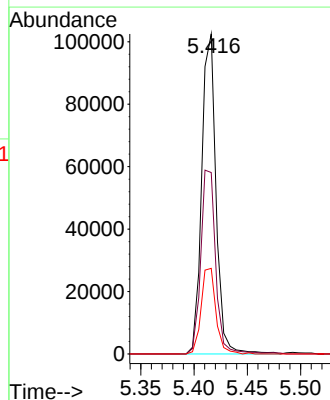
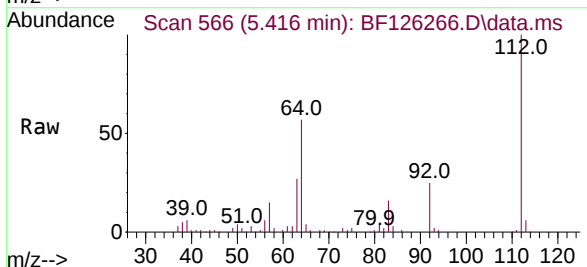
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-21-G

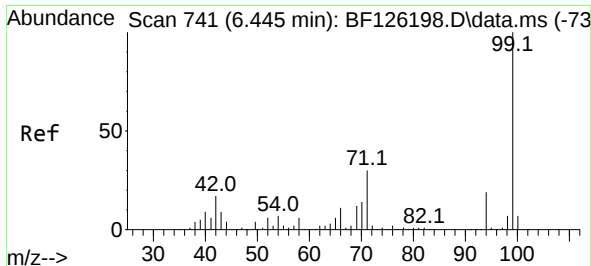
Tgt Ion:152 Resp: 258730  
 Ion Ratio Lower Upper  
 152 100  
 150 156.7 117.6 176.4  
 115 65.9 47.1 70.7



#5  
 2-Fluorophenol  
 Concen: 5.486 ng  
 RT: 5.416 min Scan# 566  
 Delta R.T. -0.006 min  
 Lab File: BF126266.D  
 Acq: 18 Dec 2021 21:26

Tgt Ion:112 Resp: 96389  
 Ion Ratio Lower Upper  
 112 100  
 64 56.7 44.2 66.2  
 63 26.8 26.2 39.2

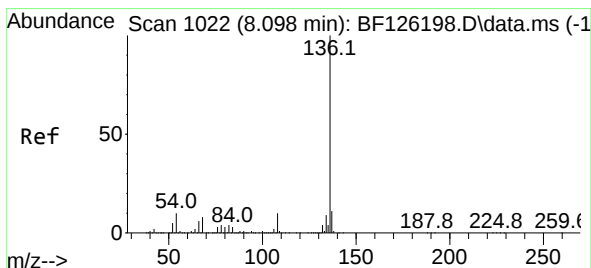
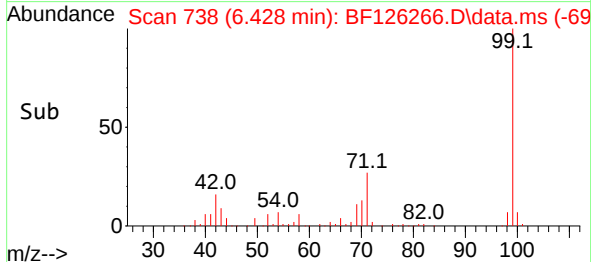
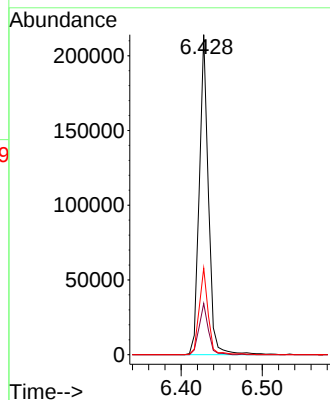
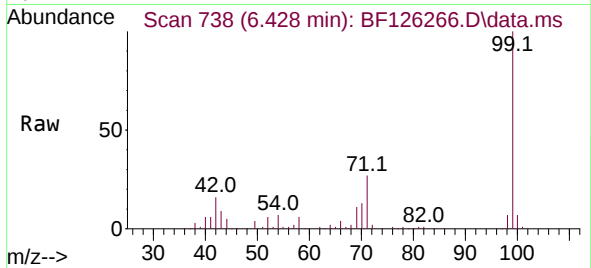




#7  
Phenol-d6  
Concen: 7.553 ng  
RT: 6.428 min Scan# 71  
Delta R.T. -0.017 min  
Lab File: BF126266.D  
Acq: 18 Dec 2021 21:26

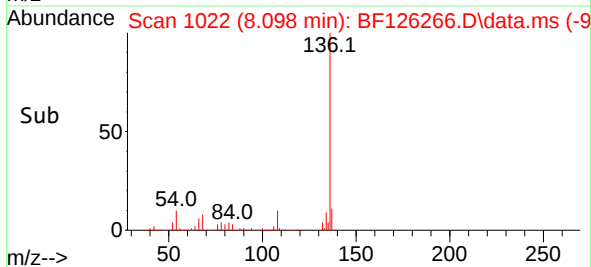
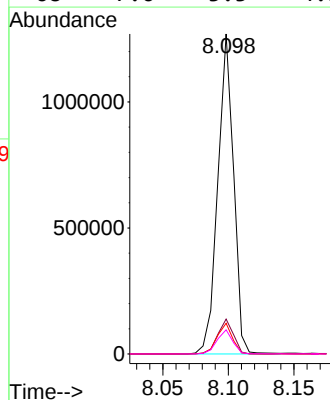
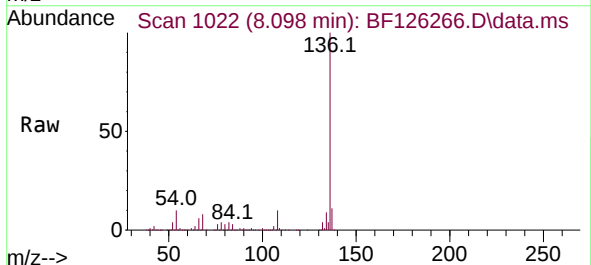
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-G

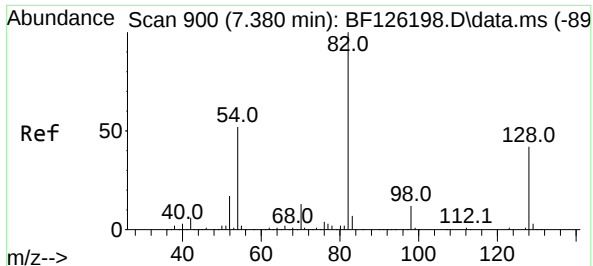
Tgt Ion: 99 Resp: 168493  
Ion Ratio Lower Upper  
99 100  
42 16.0 23.5 35.3#  
71 27.1 25.6 38.4



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.098 min Scan# 1022  
Delta R.T. 0.000 min  
Lab File: BF126266.D  
Acq: 18 Dec 2021 21:26

Tgt Ion: 136 Resp: 1062188  
Ion Ratio Lower Upper  
136 100  
137 10.9 9.8 14.6  
54 9.6 6.4 9.6  
68 7.6 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 5.494 ng

RT: 7.369 min Scan# 898

Delta R.T. -0.012 min

Lab File: BF126266.D

Acq: 18 Dec 2021 21:26

Instrument :

BNA\_F

ClientSampleId :

SB-21-G

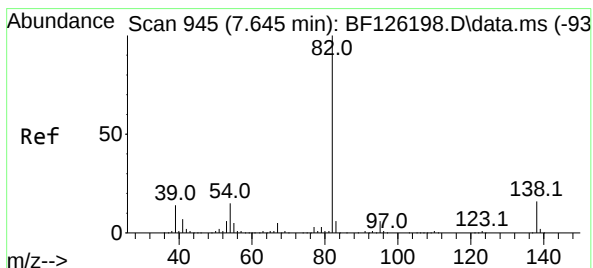
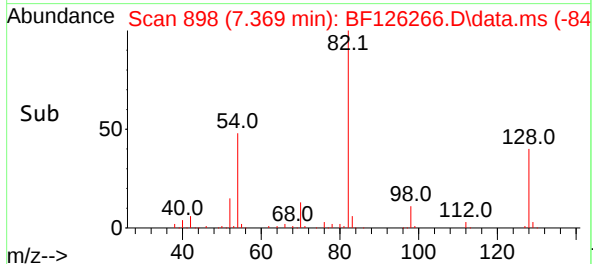
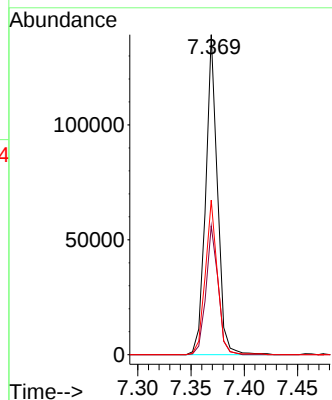
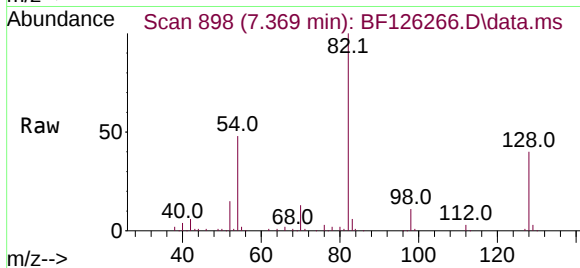
Tgt Ion: 82 Resp: 107751

Ion Ratio Lower Upper

82 100

128 40.3 40.6 60.8#

54 48.3 49.6 74.4#



#25

Isophorone

Concen: 2.791 ng

RT: 7.369 min Scan# 898

Delta R.T. -0.276 min

Lab File: BF126266.D

Acq: 18 Dec 2021 21:26

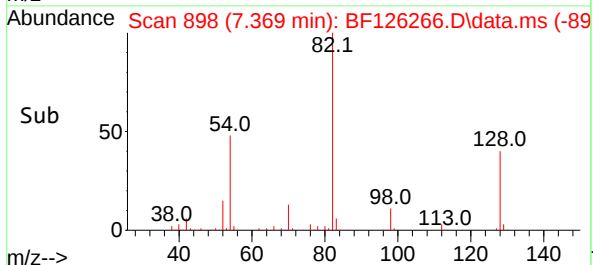
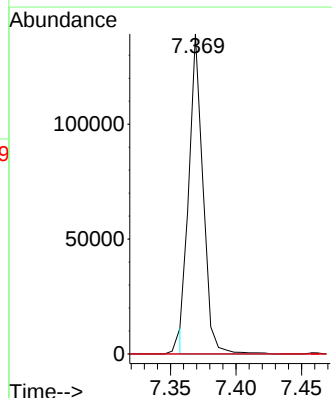
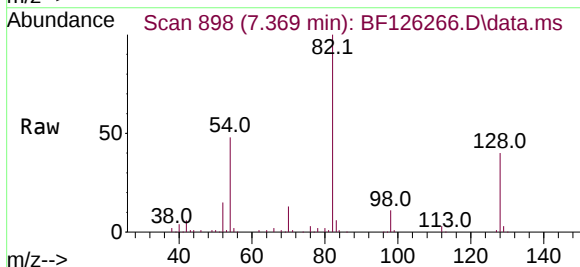
Tgt Ion: 82 Resp: 103368

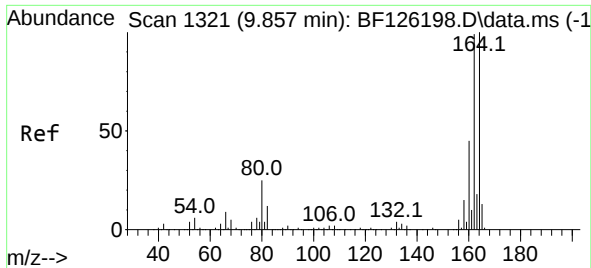
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

138 0.0 18.4 27.6#

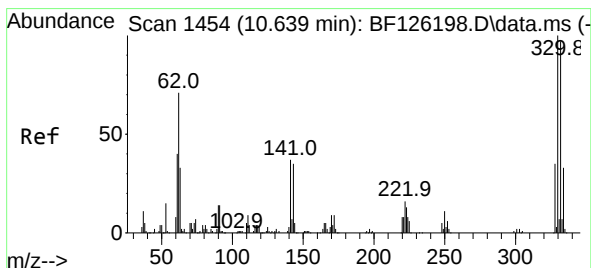
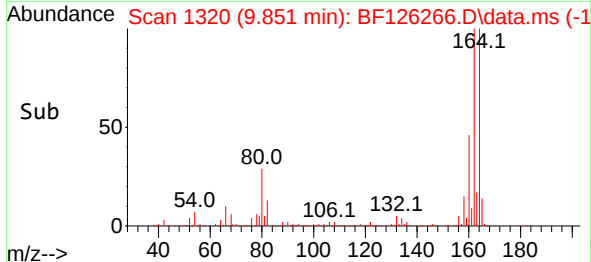
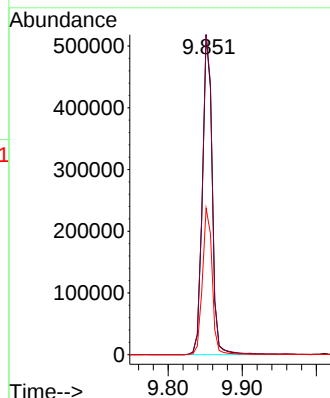
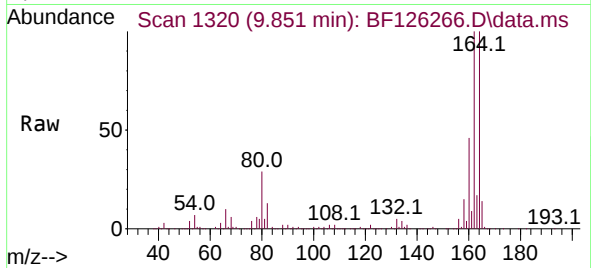




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.851 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF126266.D  
Acq: 18 Dec 2021 21:26

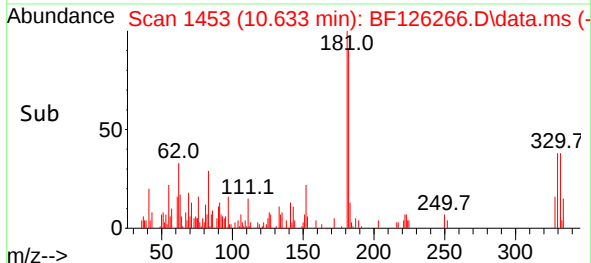
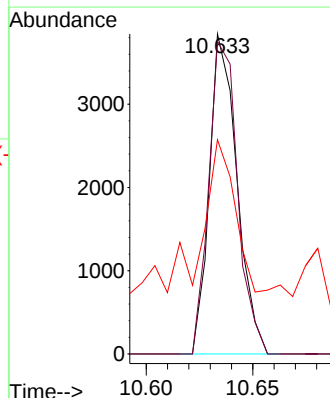
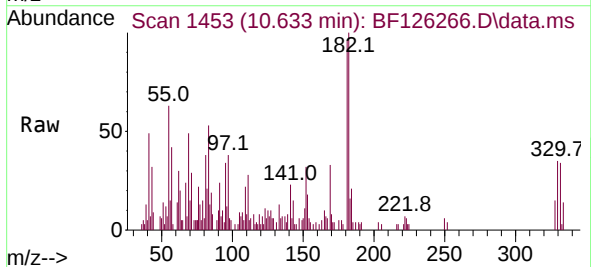
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-G

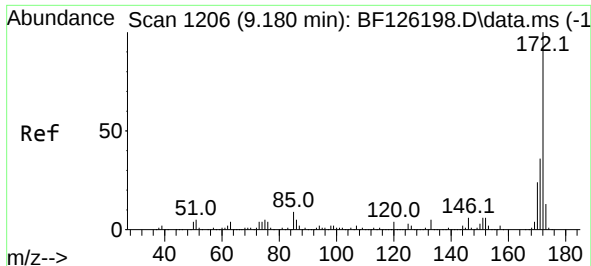
Tgt Ion:164 Resp: 472583  
Ion Ratio Lower Upper  
164 100  
162 100.0 81.3 121.9  
160 45.7 38.0 57.0



#42  
2,4,6-Tribromophenol  
Concen: 0.909 ng  
RT: 10.633 min Scan# 1453  
Delta R.T. -0.006 min  
Lab File: BF126266.D  
Acq: 18 Dec 2021 21:26

Tgt Ion:330 Resp: 3452  
Ion Ratio Lower Upper  
330 100  
332 102.2 76.2 114.4  
141 106.7 44.6 66.8#





#45

2-Fluorobiphenyl

Concen: 6.666 ng

RT: 9.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126266.D

Acq: 18 Dec 2021 21:26

Instrument :

BNA\_F

ClientSampleId :

SB-21-G

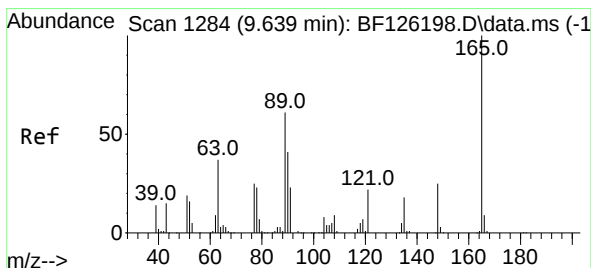
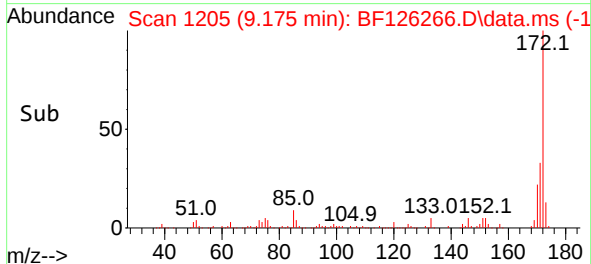
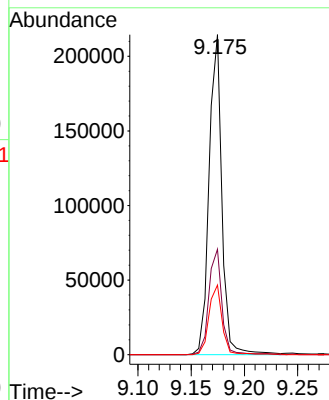
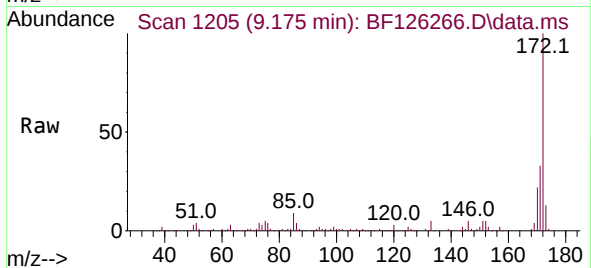
Tgt Ion:172 Resp: 179628

Ion Ratio Lower Upper

172 100

171 32.9 26.5 39.7

170 21.7 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.861 ng

RT: 9.851 min Scan# 1320

Delta R.T. 0.212 min

Lab File: BF126266.D

Acq: 18 Dec 2021 21:26

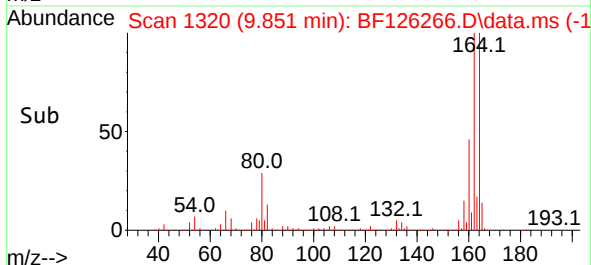
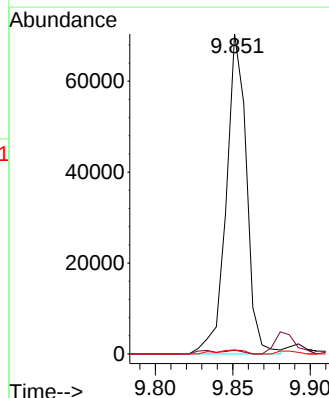
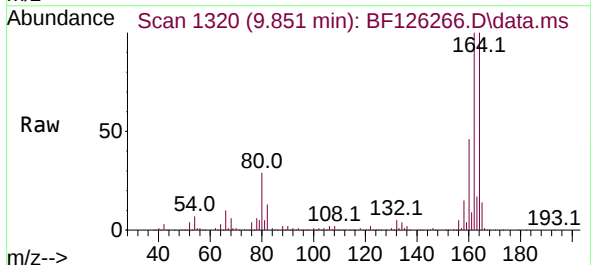
Tgt Ion:165 Resp: 63891

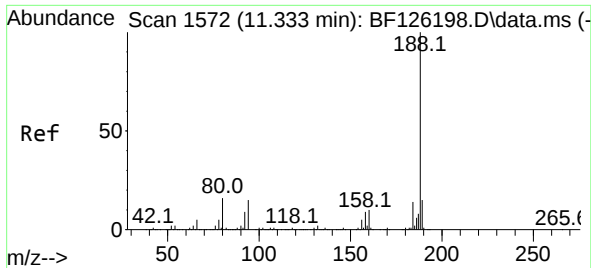
Ion Ratio Lower Upper

165 100

63 1.2 42.6 63.8#

89 1.3 40.6 60.8#

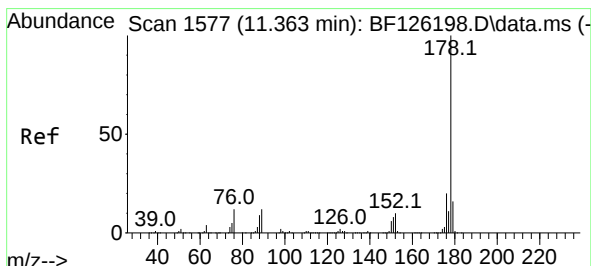
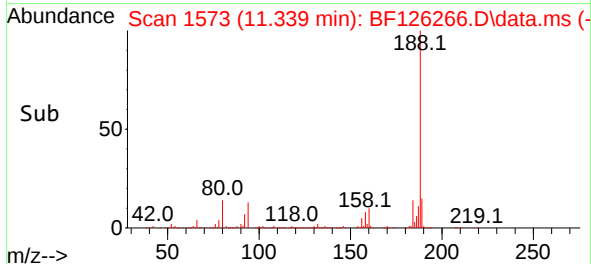
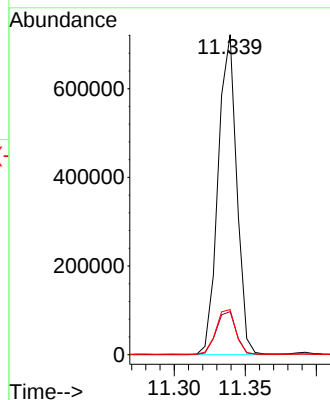
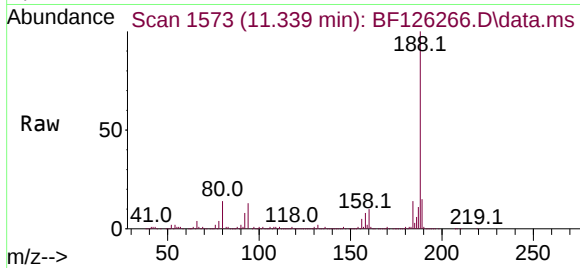




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.339 min Scan# 1572  
Delta R.T. 0.006 min  
Lab File: BF126266.D  
Acq: 18 Dec 2021 21:26

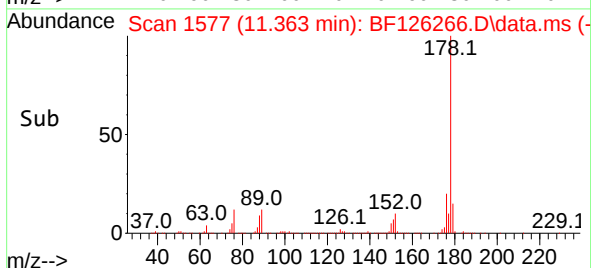
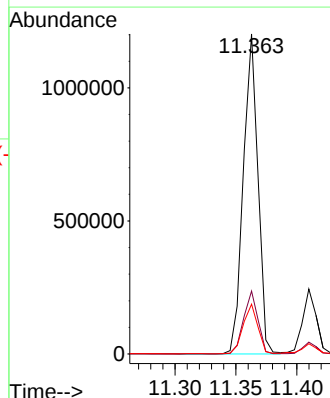
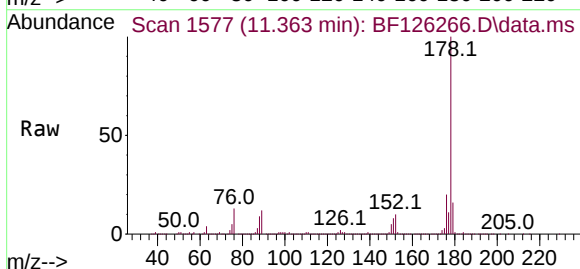
Instrument :  
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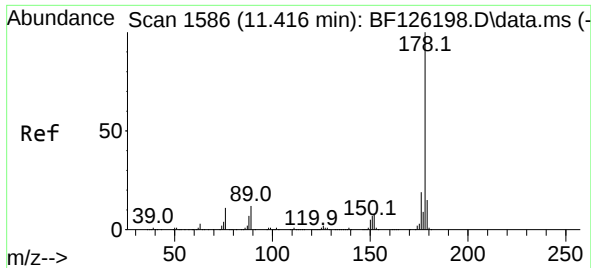
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Ion Ratio Lower Upper  
188 100  
94 13.4 6.7 10.1#  
80 14.1 7.5 11.3#



#71  
Phenanthrene  
Concen: 29.768 ng  
RT: 11.363 min Scan# 1577  
Delta R.T. 0.000 min  
Lab File: BF126266.D  
Acq: 18 Dec 2021 21:26

Tgt Ion:178 Resp: 1009236  
Ion Ratio Lower Upper  
178 100  
176 19.6 14.7 22.1  
179 15.6 11.5 17.3

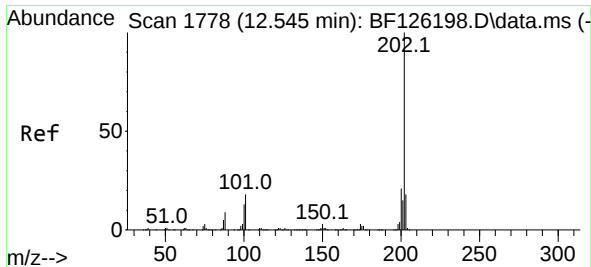
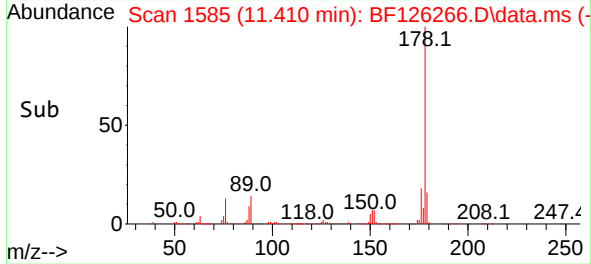
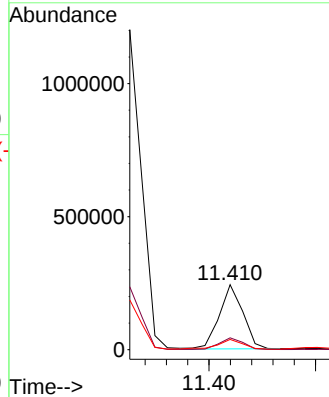
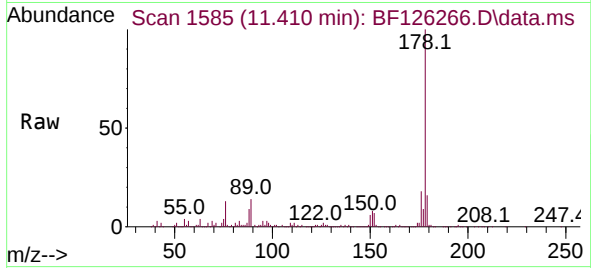




#72  
 Anthracene  
 Concen: 5.481 ng  
 RT: 11.410 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF126266.D  
 Acq: 18 Dec 2021 21:26

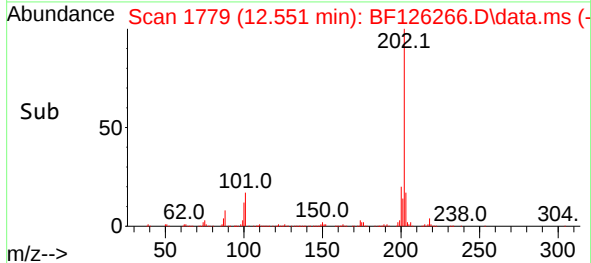
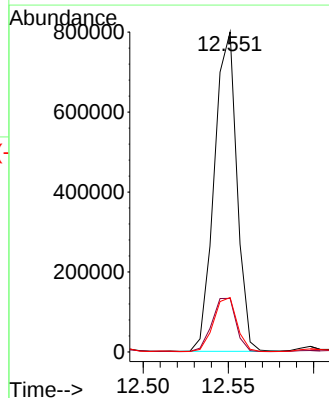
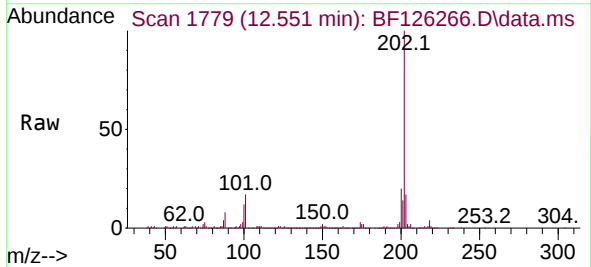
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 ClientSampleId :  
 SB-21-G

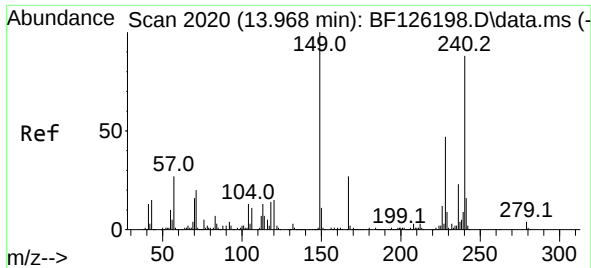
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 Ion Ratio Lower Upper  
 178 100  
 176 18.1 14.3 21.5  
 179 15.8 12.2 18.4



#75  
 Fluoranthene  
 Concen: 24.125 ng  
 RT: 12.551 min Scan# 1779  
 Delta R.T. 0.006 min  
 Lab File: BF126266.D  
 Acq: 18 Dec 2021 21:26

Tgt Ion:202 Resp: 736908  
 Ion Ratio Lower Upper  
 202 100  
 101 16.7 0.0 30.7  
 203 17.0 0.0 36.3

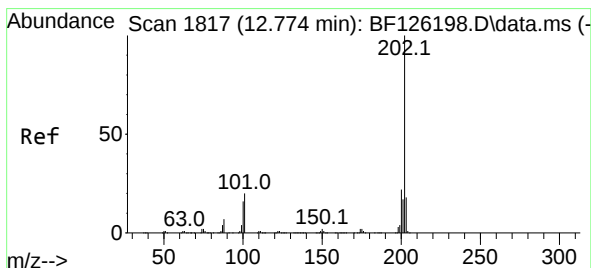
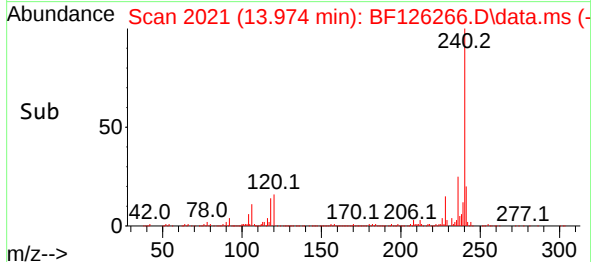
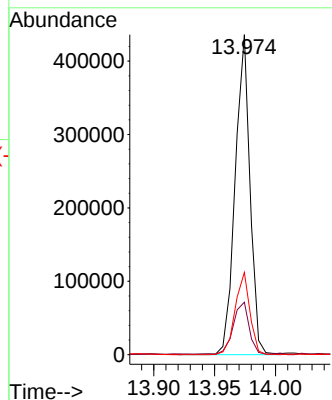
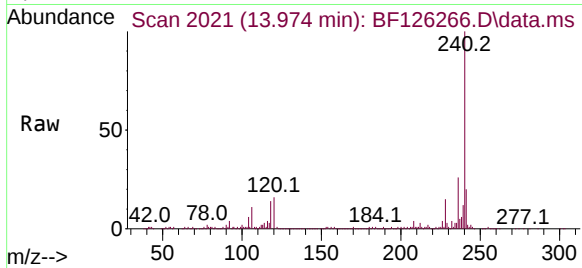




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.974 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: BF126266.D  
Acq: 18 Dec 2021 21:26

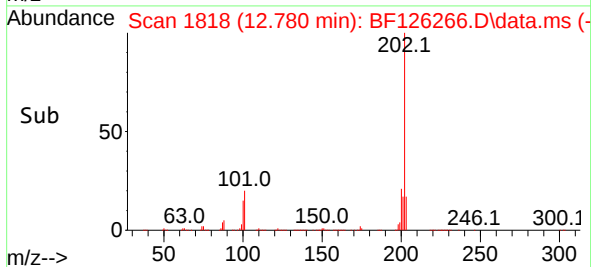
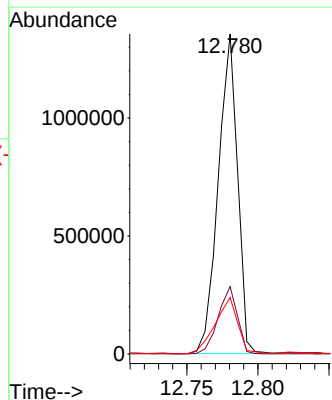
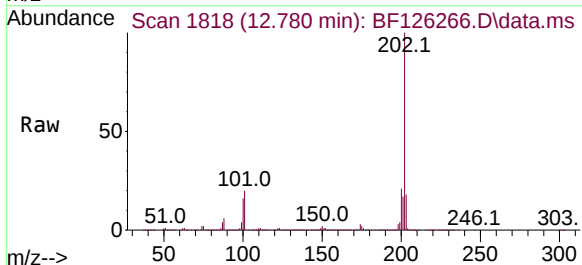
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-G

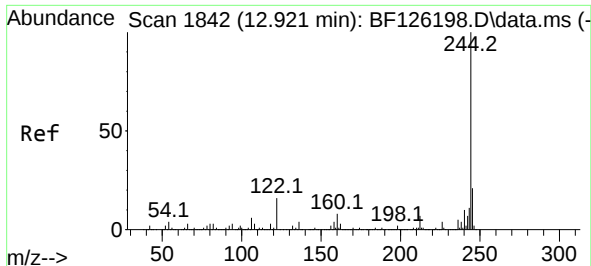
Tgt Ion:240 Resp: 367896  
Ion Ratio Lower Upper  
240 100  
120 16.4 10.8 16.2#  
236 25.7 21.6 32.4



#78  
Pyrene  
Concen: 37.819 ng  
RT: 12.780 min Scan# 1818  
Delta R.T. 0.006 min  
Lab File: BF126266.D  
Acq: 18 Dec 2021 21:26

Tgt Ion:202 Resp: 1278249  
Ion Ratio Lower Upper  
202 100  
200 21.1 15.3 22.9  
203 17.6 13.4 20.0

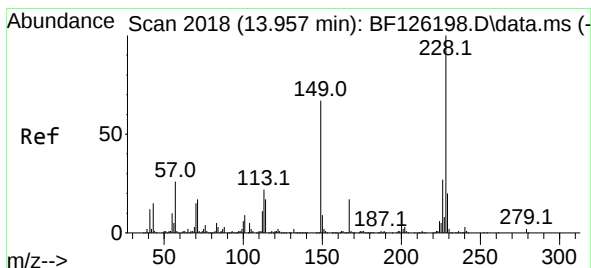
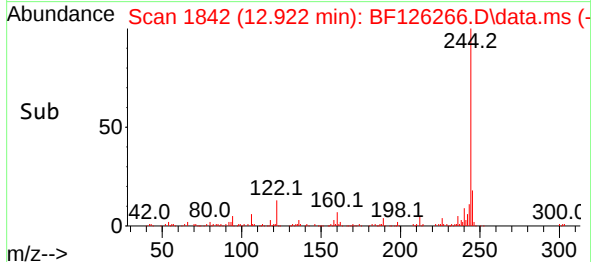
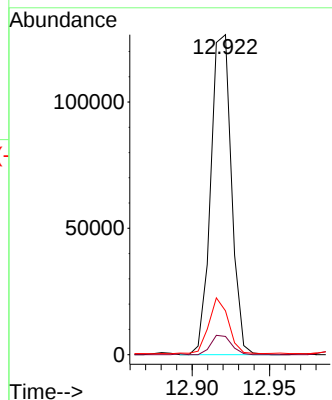
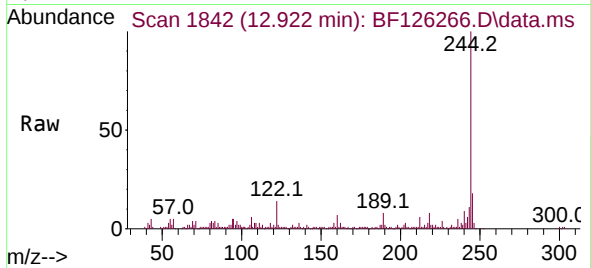




#79  
 Terphenyl-d14  
 Concen: 5.557 ng  
 RT: 12.922 min Scan# 1842  
 Delta R.T. 0.000 min  
 Lab File: BF126266.D  
 Acq: 18 Dec 2021 21:26

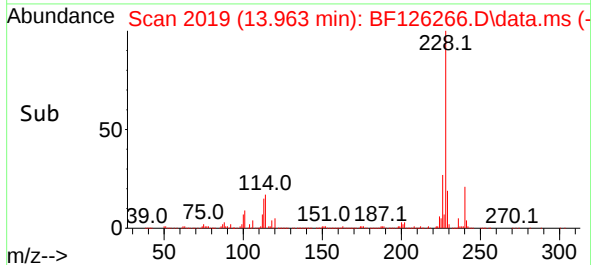
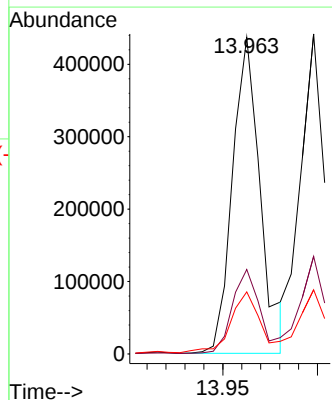
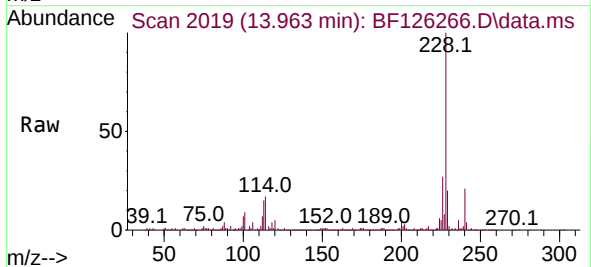
Instrument :  
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 ClientSampleId :  
 SB-21-G

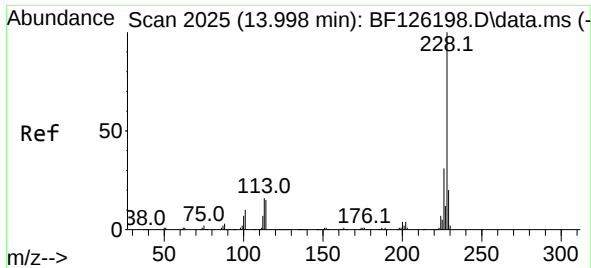
Tgt Ion:244 Resp: 117626  
 Ion Ratio Lower Upper  
 244 100  
 212 5.7 5.9 8.9#  
 122 13.7 9.0 13.4#



#81  
 Benzo(a)anthracene  
 Concen: 20.352 ng  
 RT: 13.963 min Scan# 2019  
 Delta R.T. 0.006 min  
 Lab File: BF126266.D  
 Acq: 18 Dec 2021 21:26

Tgt Ion:228 Resp: 443509  
 Ion Ratio Lower Upper  
 228 100  
 226 26.7 21.6 32.4  
 229 19.6 15.6 23.4

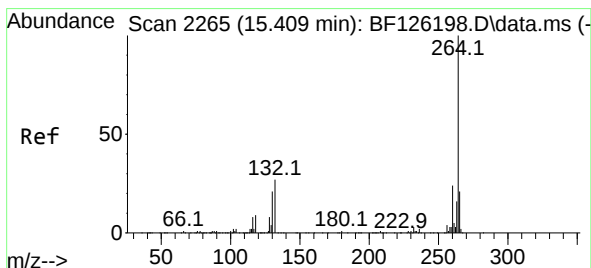
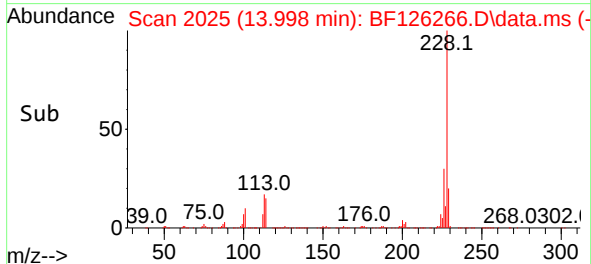
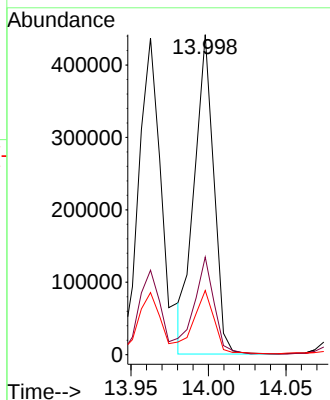
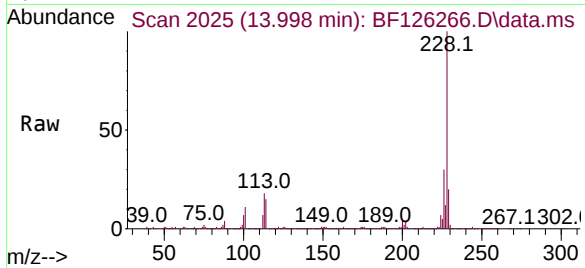




#83  
Chrysene  
Concen: 17.057 ng  
RT: 13.998 min Scan# 2025  
Delta R.T. 0.000 min  
Lab File: BF126266.D  
Acq: 18 Dec 2021 21:26

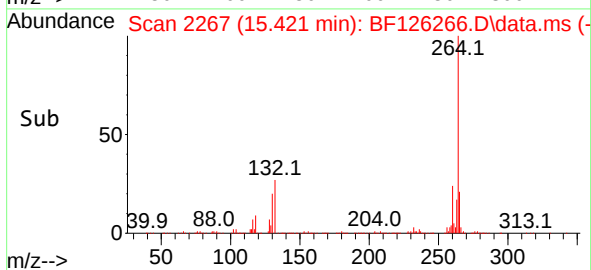
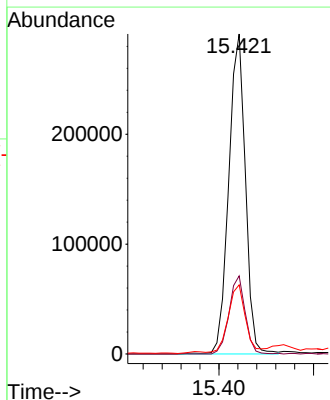
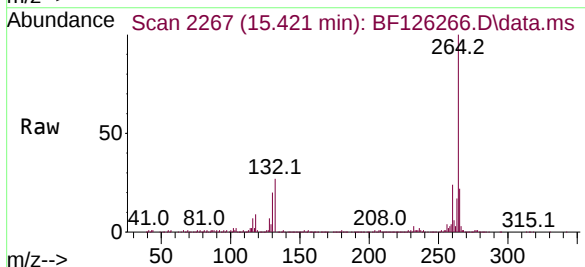
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-G

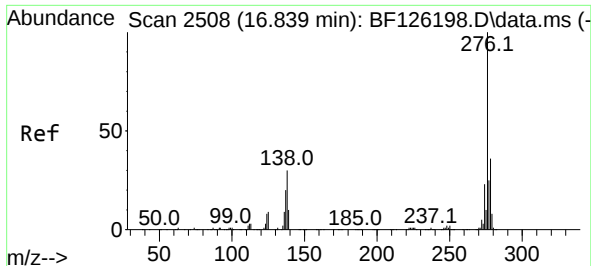
Tgt Ion:228 Resp: 386205  
Ion Ratio Lower Upper  
228 100  
226 30.5 22.6 34.0  
229 20.0 15.9 23.9



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.421 min Scan# 2267  
Delta R.T. 0.012 min  
Lab File: BF126266.D  
Acq: 18 Dec 2021 21:26

Tgt Ion:264 Resp: 354386  
Ion Ratio Lower Upper  
264 100  
260 24.4 19.6 29.4  
265 21.6 17.2 25.8

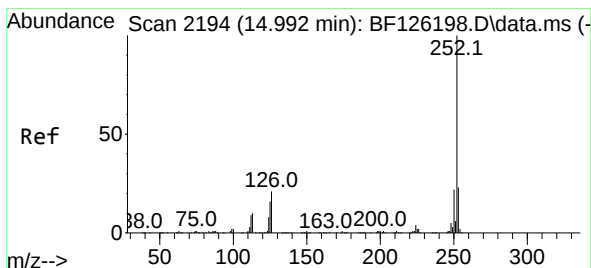
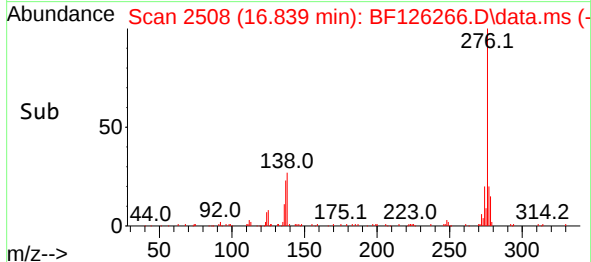
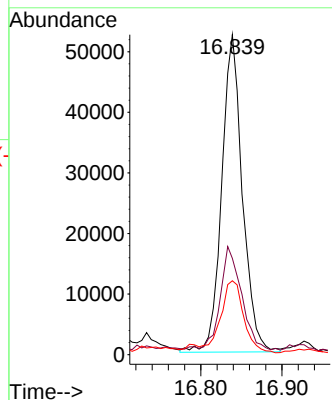
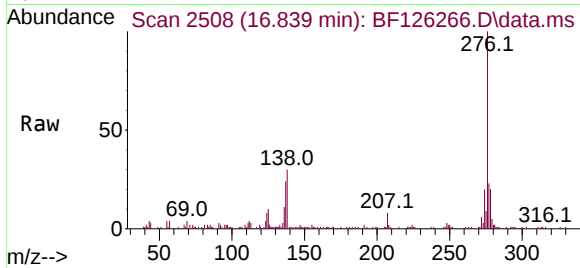




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 3.938 ng  
RT: 16.839 min Scan# 2196  
Delta R.T. 0.000 min  
Lab File: BF126266.D  
Acq: 18 Dec 2021 21:26

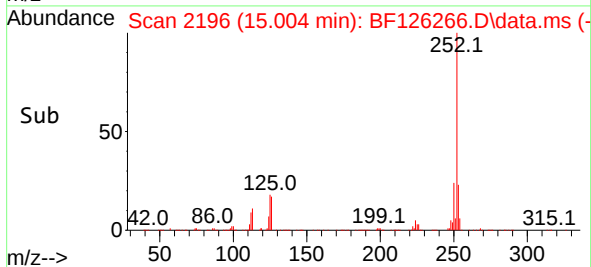
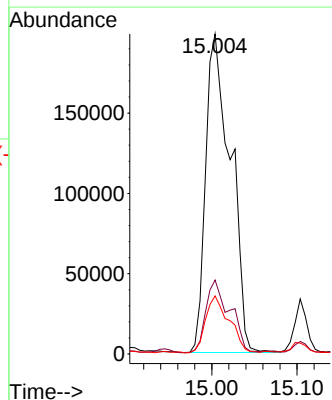
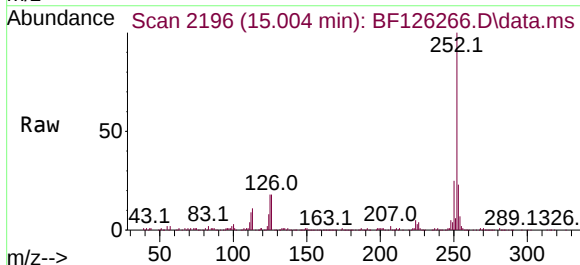
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-G

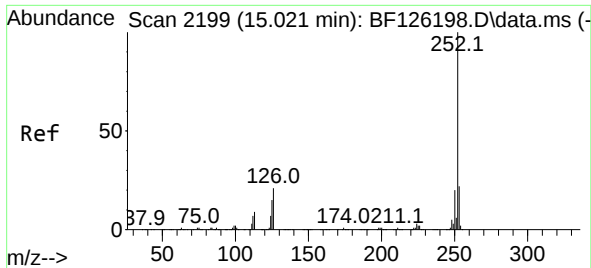
Tgt Ion:276 Resp: 93088  
Ion Ratio Lower Upper  
276 100  
138 33.7 24.1 36.1  
277 26.0 18.8 28.2



#88  
Benzo(b)fluoranthene  
Concen: 19.020 ng  
RT: 15.004 min Scan# 2196  
Delta R.T. 0.012 min  
Lab File: BF126266.D  
Acq: 18 Dec 2021 21:26

Tgt Ion:252 Resp: 405004  
Ion Ratio Lower Upper  
252 100  
253 23.1 16.8 25.2  
125 18.1 9.8 14.8#

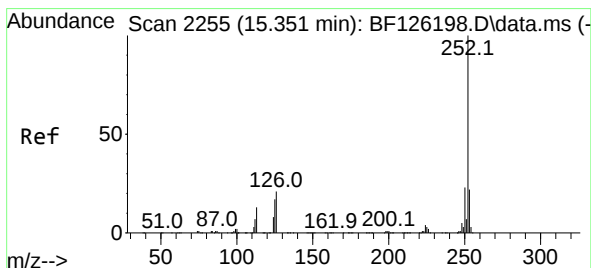
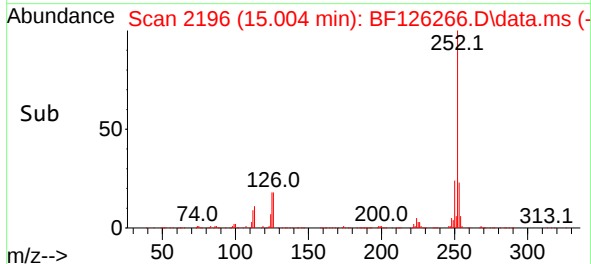
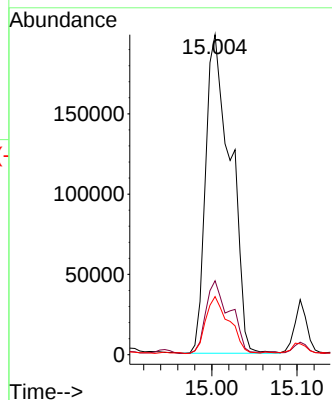
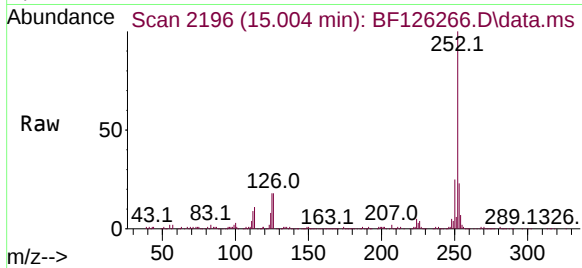




#89  
Benzo(k)fluoranthene  
Concen: 19.883 ng  
RT: 15.004 min Scan# 2199  
Delta R.T. -0.017 min  
Lab File: BF126266.D  
Acq: 18 Dec 2021 21:26

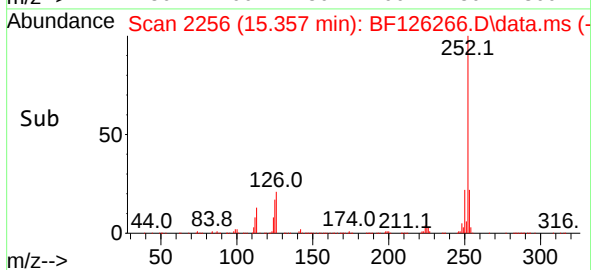
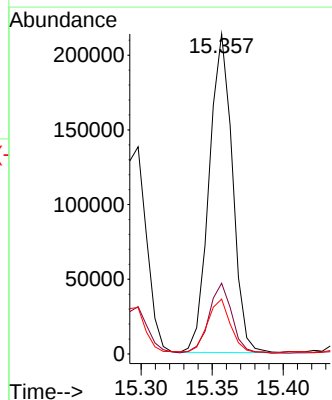
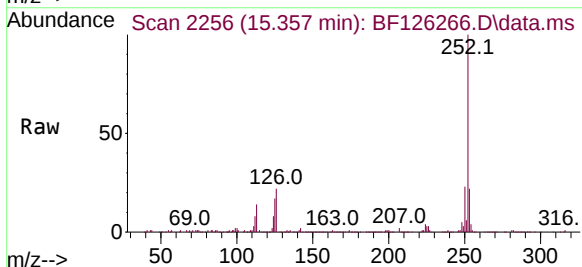
Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-G

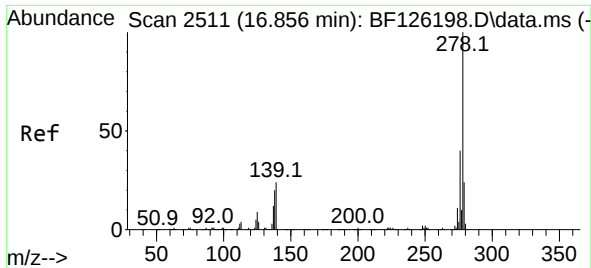
Tgt Ion:252 Resp: 405004  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.8 26.8  
125 18.1 7.2 10.8#



#90  
Benzo(a)pyrene  
Concen: 13.702 ng  
RT: 15.357 min Scan# 2256  
Delta R.T. 0.006 min  
Lab File: BF126266.D  
Acq: 18 Dec 2021 21:26

Tgt Ion:252 Resp: 242493  
Ion Ratio Lower Upper  
252 100  
253 22.1 18.4 27.6  
125 17.2 9.9 14.9#

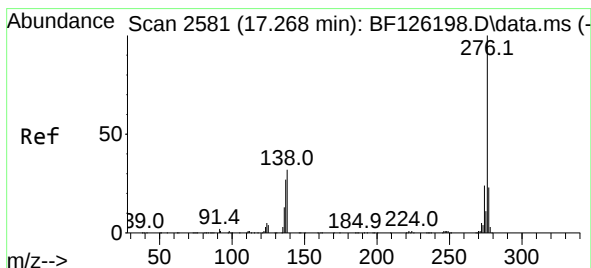
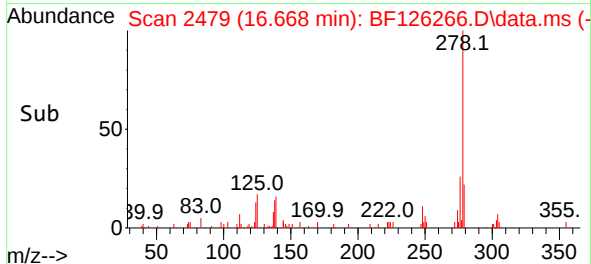
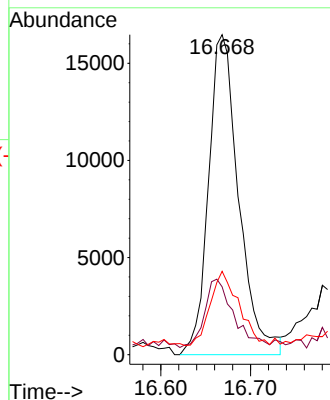
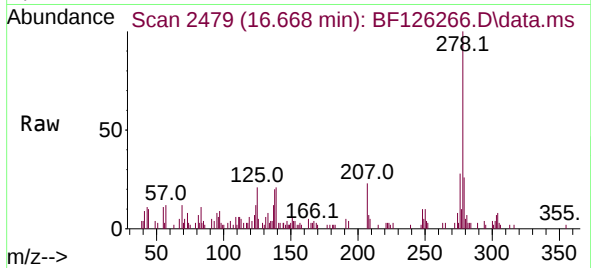




#91  
Dibenzo(a,h)anthracene  
Concen: 2.004 ng  
RT: 16.668 min Scan# 2479  
Delta R.T. -0.188 min  
Lab File: BF126266.D  
Acq: 18 Dec 2021 21:26

Instrument :  
BNA\_F  
ClientSampleId :  
SB-21-G

Tgt Ion:278 Resp: 38499  
Ion Ratio Lower Upper  
278 100  
139 21.2 14.9 22.3  
279 26.0 19.7 29.5



#92  
Benzo(g,h,i)perylene  
Concen: 4.364 ng  
RT: 17.268 min Scan# 2581  
Delta R.T. 0.000 min  
Lab File: BF126266.D  
Acq: 18 Dec 2021 21:26

Tgt Ion:276 Resp: 86769  
Ion Ratio Lower Upper  
276 100  
277 26.5 22.0 33.0  
138 36.8 22.2 33.4#

