

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101821\  
 Data File : BF125880.D  
 Acq On : 18 Oct 2021 16:44  
 Operator : JU/CG  
 Sample : M4252-01  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEST-BA-(1)

Manual Integrations  
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 10/19/2021 12:09:41 PM

Quant Time: Oct 19 09:07:34 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF100721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 18 12:43:03 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-------|-------|----------|
| -----                       |        |      |          |       |       |          |
| Internal Standards          |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.822  | 152  | 164988   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.104  | 136  | 670010   | 20.00 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 9.857  | 164  | 330961   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.333 | 188  | 465400   | 20.00 | ng    | # 0.00   |
| 76) Chrysene-d12            | 13.968 | 240  | 347673   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.415 | 264  | 317113   | 20.00 | ng    | 0.00     |
|                             |        |      |          |       |       |          |
| System Monitoring Compounds |        |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.439  | 112  | 1001598  | 99.17 | ng    | 0.00     |
| 7) Phenol-d6                | 6.451  | 99   | 1204548  | 92.65 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.381  | 82   | 712212   | 66.08 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.639 | 330  | 282795   | 86.54 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.175  | 172  | 1307281  | 68.13 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.921 | 244  | 930798   | 40.78 | ng    | 0.00     |
|                             |        |      |          |       |       |          |
| Target Compounds            |        |      |          |       |       | Qvalue   |
| 71) Phenanthrene            | 11.357 | 178  | 72509    | 2.91  | ng    | 99       |
| 75) Fluoranthene            | 12.545 | 202  | 202894   | 9.03  | ng    | 96       |
| 78) Pyrene                  | 12.774 | 202  | 190994   | 5.41  | ng    | 98       |
| 81) Benzo(a)anthracene      | 13.957 | 228  | 115451   | 5.12  | ng    | 93       |
| 83) Chrysene                | 13.992 | 228  | 117126   | 5.25  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene  | 16.845 | 276  | 49959    | 2.06  | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 14.998 | 252  | 160044m  | 8.94  | ng    |          |
| 89) Benzo(k)fluoranthene    | 15.021 | 252  | 51425m   | 2.80  | ng    |          |
| 90) Benzo(a)pyrene          | 15.356 | 252  | 105055   | 6.63  | ng    | 99       |
| 92) Benzo(g,h,i)perylene    | 17.280 | 276  | 46015    | 2.26  | ng    | 92       |
| -----                       |        |      |          |       |       |          |

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

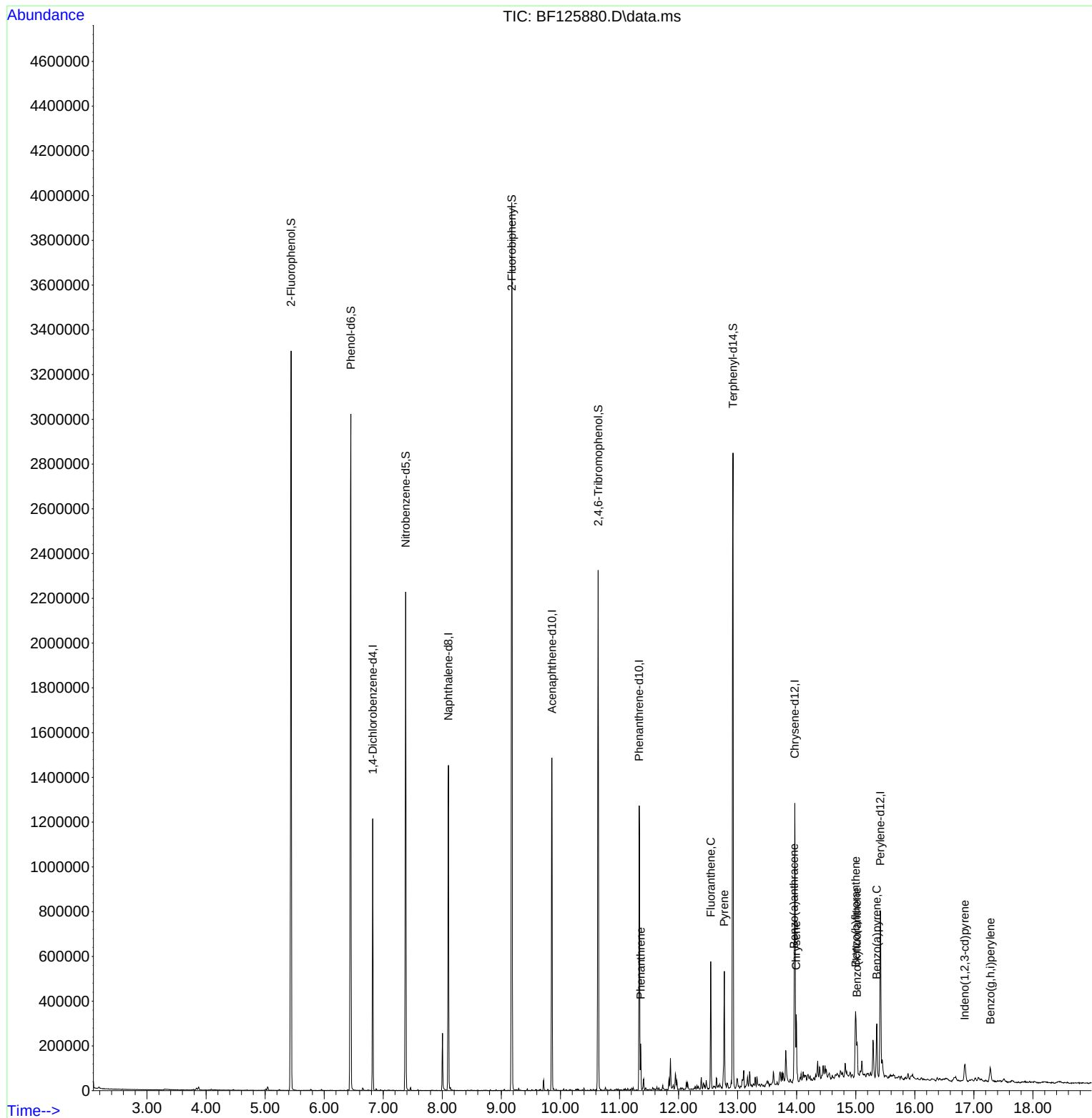
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101821\  
Data File : BF125880.D  
Acq On : 18 Oct 2021 16:44  
Operator : JU/CG  
Sample : M4252-01  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

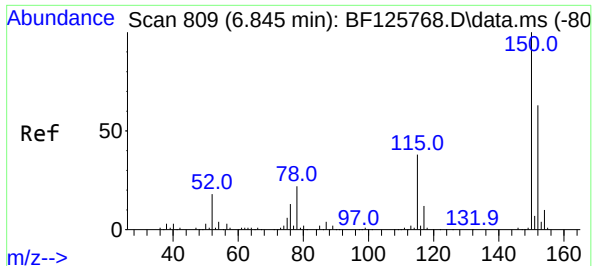
Instrument :  
BNA\_F  
ClientSampleId :  
TEST-BA-(1)

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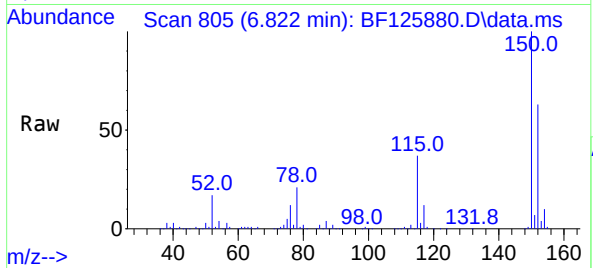
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Quant Time: Oct 19 09:07:34 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF100721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 18 12:43:03 2021  
Response via : Initial Calibration

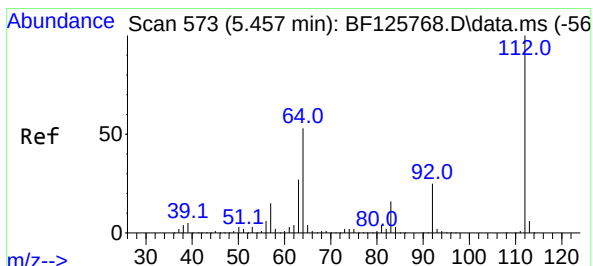
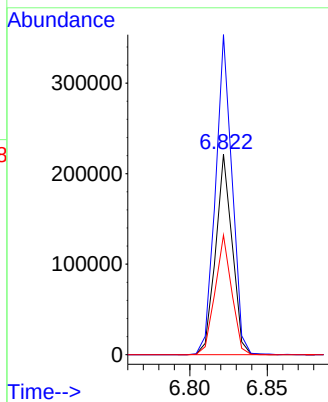
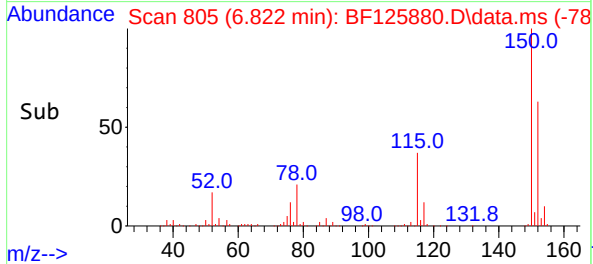




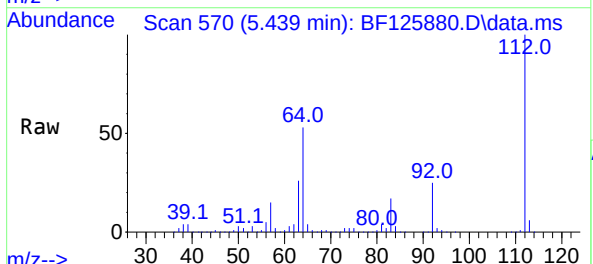
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.822 min Scan# 805  
Delta R.T. -0.006 min  
Lab File: BF125880.D  
Acq: 18 Oct 2021 16:44



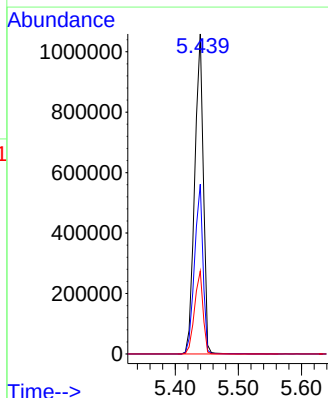
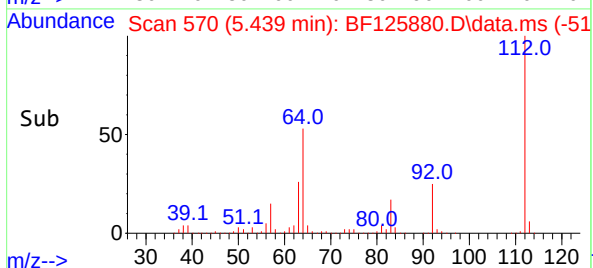
Tgt Ion:152 Resp: 164988  
Ion Ratio Lower Upper  
152 100  
150 159.6 117.6 176.4  
115 59.6 47.1 70.7



#5  
2-Fluorophenol  
Concen: 99.17 ng  
RT: 5.439 min Scan# 570  
Delta R.T. -0.000 min  
Lab File: BF125880.D  
Acq: 18 Oct 2021 16:44



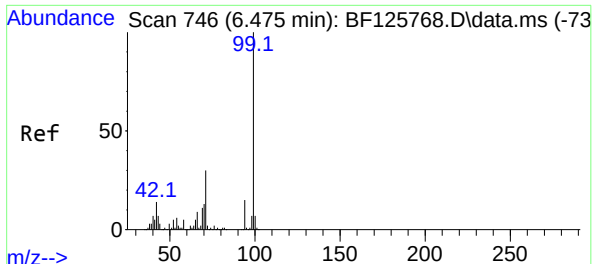
Tgt Ion:112 Resp: 1001598  
Ion Ratio Lower Upper  
112 100  
64 53.0 44.2 66.2  
63 25.9 26.2 39.2#



Instrument :  
BNA\_F  
ClientSampled :  
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#7  
Phenol-d6  
Concen: 92.65 ng  
RT: 6.451 min Scan# 742  
Delta R.T. -0.006 min  
Lab File: BF125880.D  
Acq: 18 Oct 2021 16:44

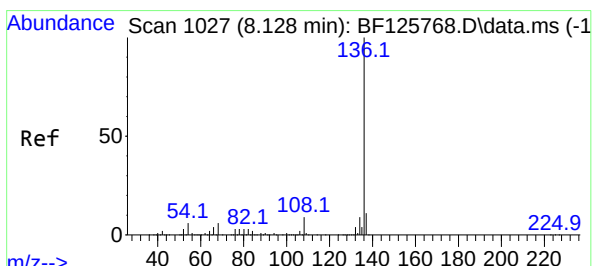
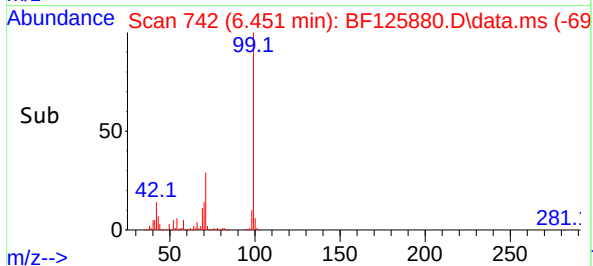
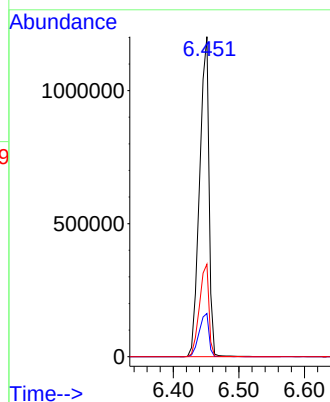
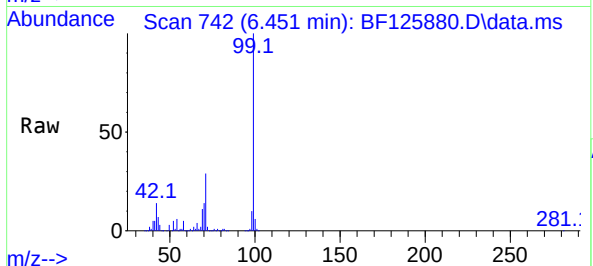
Tgt Ion: 99 Resp: 1204548

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 13.5  | 23.5  | 35.3# |
| 71  | 28.9  | 25.6  | 38.4  |

Instrument :  
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ClientSampleId :  
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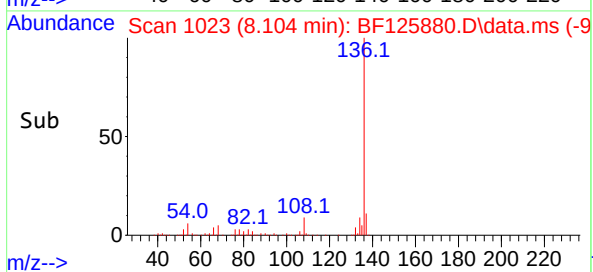
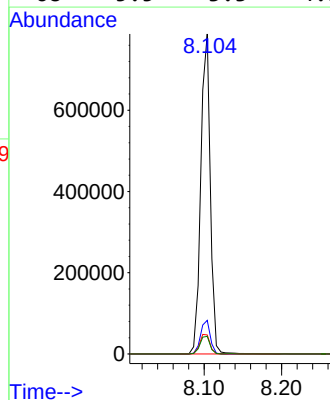
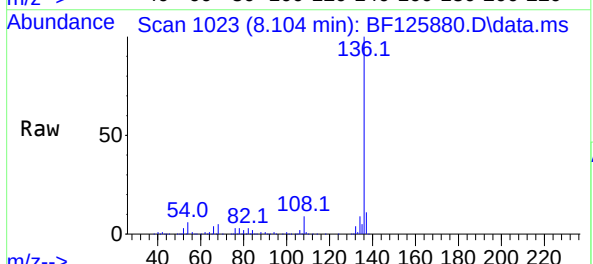
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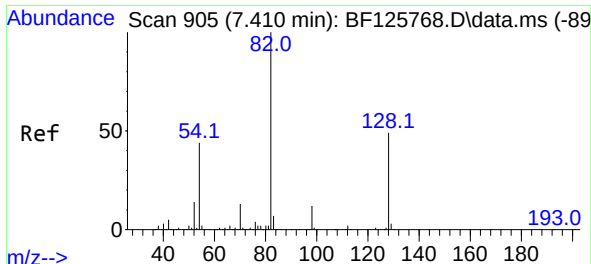


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.104 min Scan# 1023  
Delta R.T. -0.006 min  
Lab File: BF125880.D  
Acq: 18 Oct 2021 16:44

Tgt Ion: 136 Resp: 670010

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.5  | 9.8   | 14.6  |
| 54  | 5.9   | 6.4   | 9.6#  |
| 68  | 5.5   | 3.3   | 4.9#  |





#23

Nitrobenzene-d5

Concen: 66.08 ng

RT: 7.381 min Scan# 900

Delta R.T. -0.012 min

Lab File: BF125880.D

Acq: 18 Oct 2021 16:44

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 712212 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 49.2  | 40.6  | 60.8   |
| 54       | 43.1  | 49.6  | 74.4#  |

Instrument :

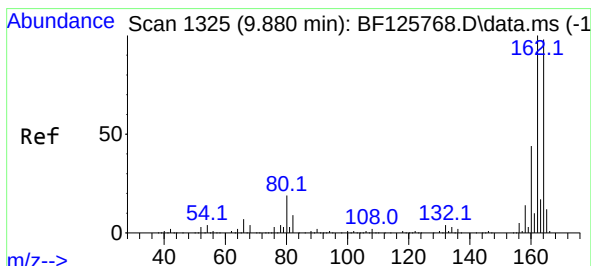
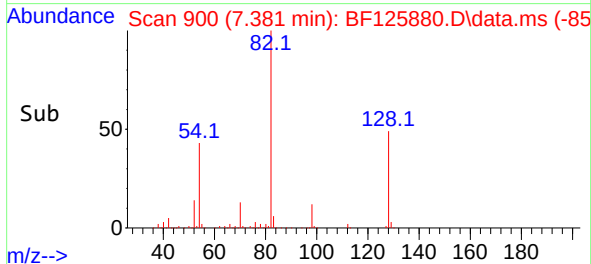
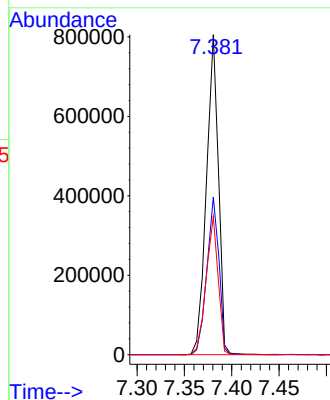
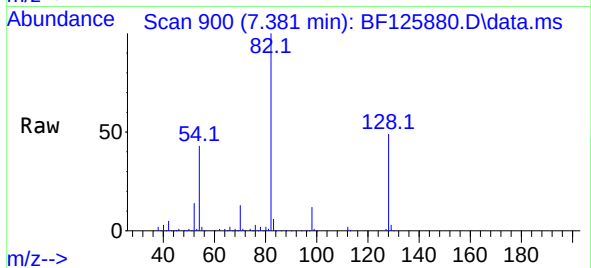
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ClientSampleId :

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#39

Acenaphthene-d10

Concen: 20.00 ng

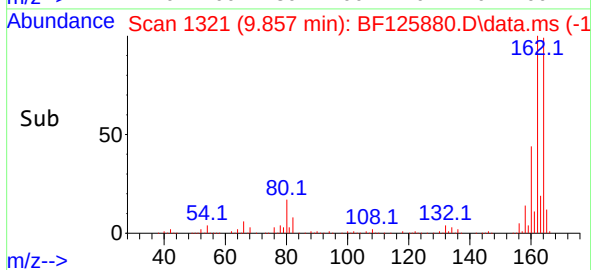
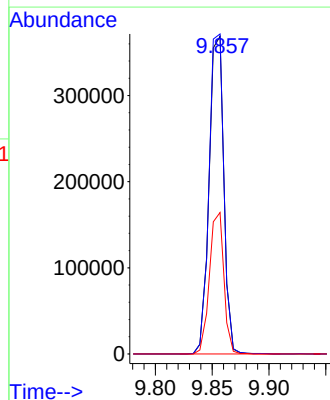
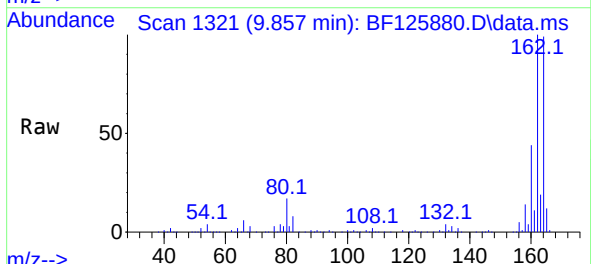
RT: 9.857 min Scan# 1321

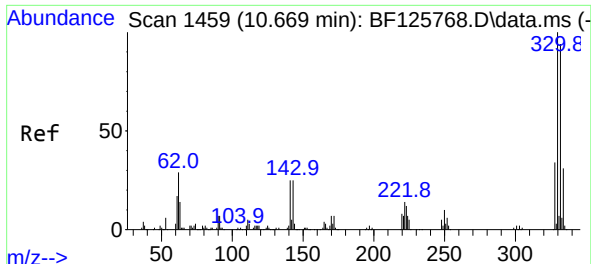
Delta R.T. -0.006 min

Lab File: BF125880.D

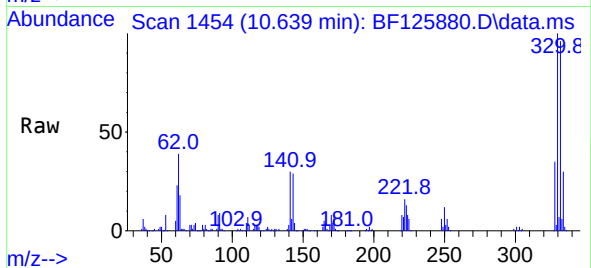
Acq: 18 Oct 2021 16:44

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 330961 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 162      | 100.7 | 81.3  | 121.9  |
| 160      | 44.5  | 38.0  | 57.0   |

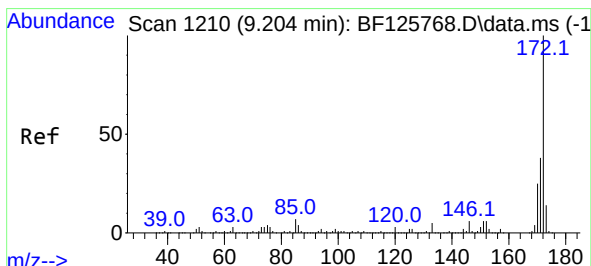
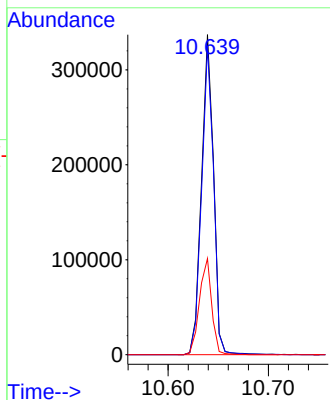
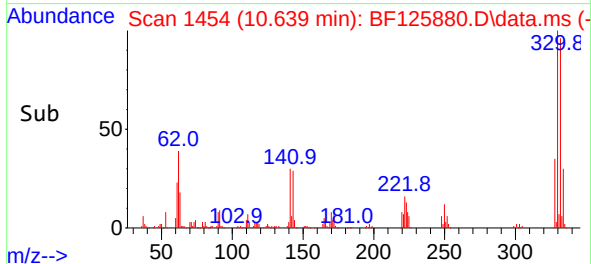




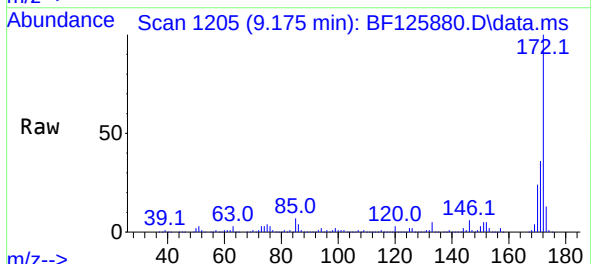
#42  
2,4,6-Tribromophenol  
Concen: 86.54 ng  
RT: 10.639 min Scan# 1454  
Delta R.T. -0.006 min  
Lab File: BF125880.D  
Acq: 18 Oct 2021 16:44



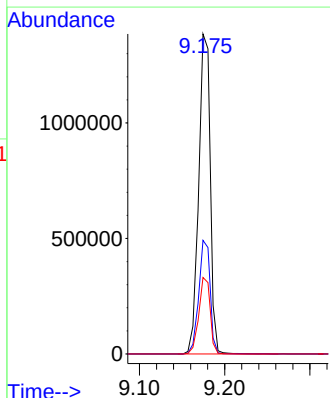
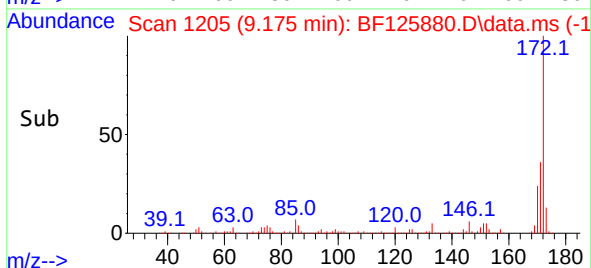
Tgt Ion: 330 Resp: 282795  
Ion Ratio Lower Upper  
330 100  
332 95.9 76.2 114.4  
141 30.6 44.6 66.8#



#45  
2-Fluorobiphenyl  
Concen: 68.13 ng  
RT: 9.175 min Scan# 1205  
Delta R.T. -0.006 min  
Lab File: BF125880.D  
Acq: 18 Oct 2021 16:44



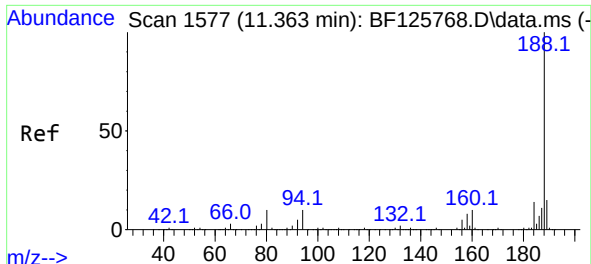
Tgt Ion: 172 Resp: 1307281  
Ion Ratio Lower Upper  
172 100  
171 35.5 26.5 39.7  
170 23.9 18.8 28.2



Instrument :  
BNA\_F  
ClientSampleId :  
TEST-BA-(1)

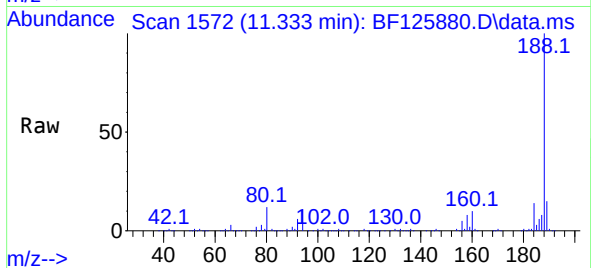
Manual Integrations  
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#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.333 min Scan# 1572  
Delta R.T. -0.006 min  
Lab File: BF125880.D  
Acq: 18 Oct 2021 16:44

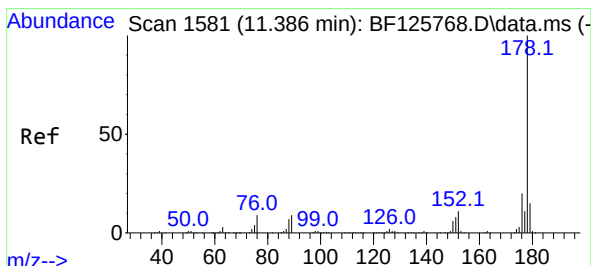
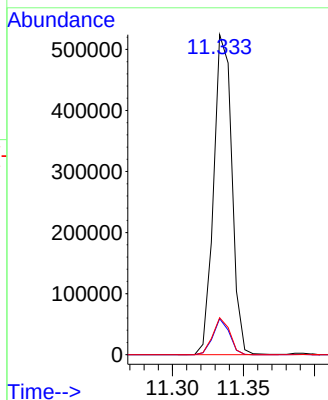
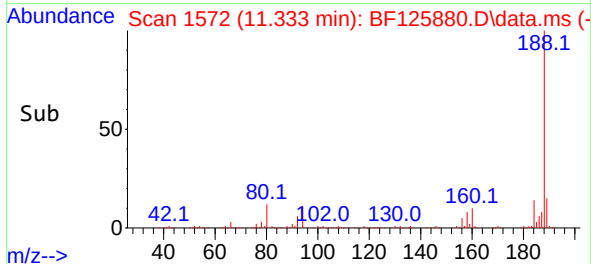
Instrument :  
BNA\_F  
ClientSampled :  
TEST-BA-(1)



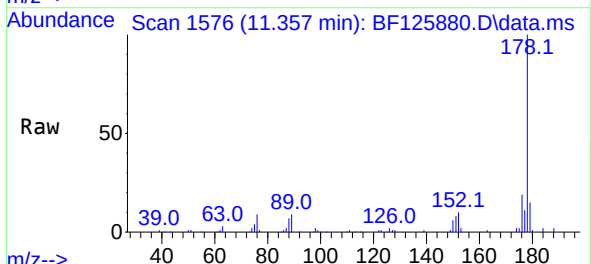
Tgt Ion:188 Resp: 465400  
Ion Ratio Lower Upper  
188 100  
94 11.3 6.7 10.1#  
80 11.5 7.5 11.3#

Manual Integrations  
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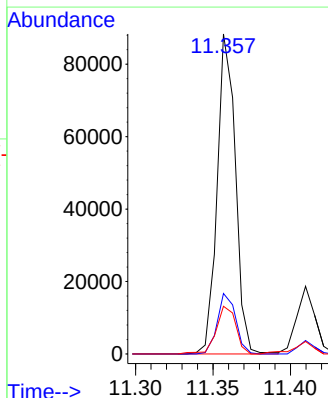
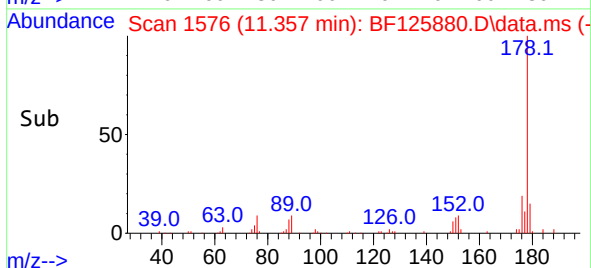
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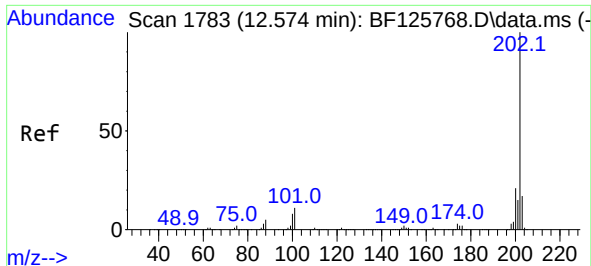


#71  
Phenanthrene  
Concen: 2.91 ng  
RT: 11.357 min Scan# 1576  
Delta R.T. -0.012 min  
Lab File: BF125880.D  
Acq: 18 Oct 2021 16:44



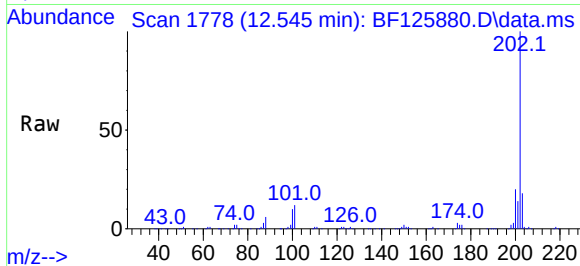
Tgt Ion:178 Resp: 72509  
Ion Ratio Lower Upper  
178 100  
176 18.9 14.7 22.1  
179 14.9 11.5 17.3





#75  
Fluoranthene  
Concen: 9.03 ng  
RT: 12.545 min Scan# 1778  
Delta R.T. -0.006 min  
Lab File: BF125880.D  
Acq: 18 Oct 2021 16:44

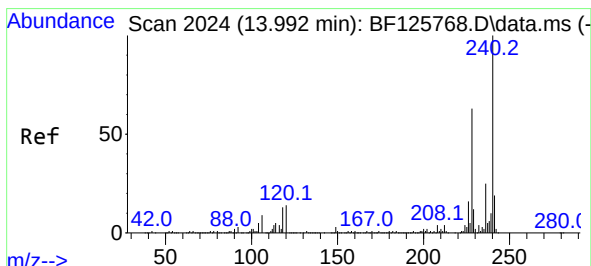
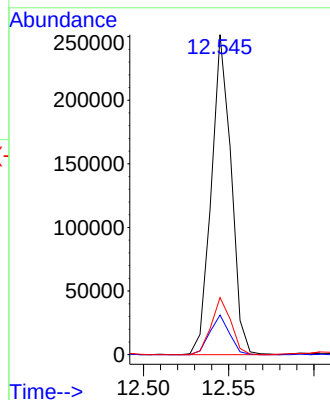
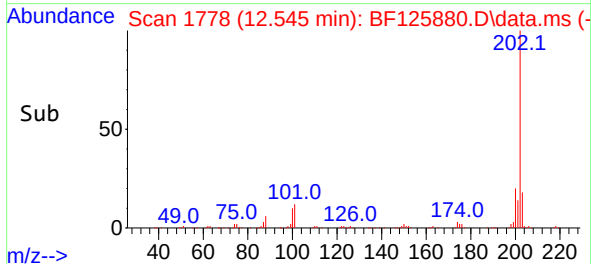
Instrument :  
BNA\_F  
ClientSampled :  
TEST-BA-(1)



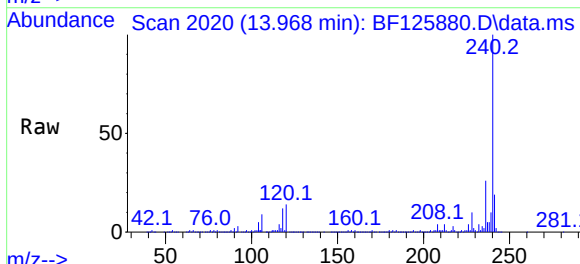
Tgt Ion:202 Resp: 202894  
Ion Ratio Lower Upper  
202 100  
101 12.4 0.0 30.7  
203 17.8 0.0 36.3

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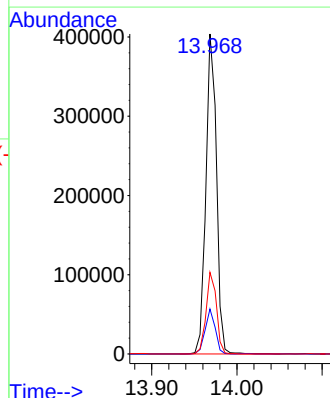
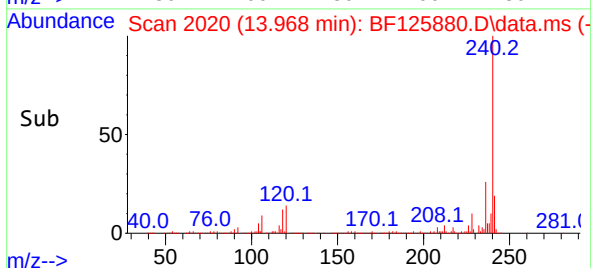
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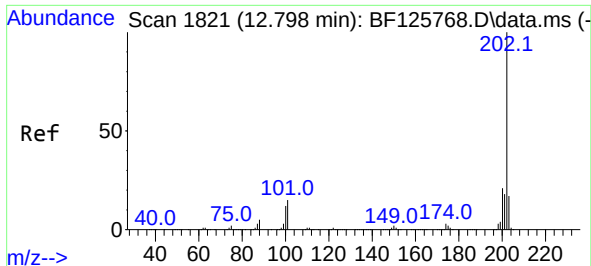
#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.968 min Scan# 2020  
Delta R.T. -0.006 min  
Lab File: BF125880.D  
Acq: 18 Oct 2021 16:44



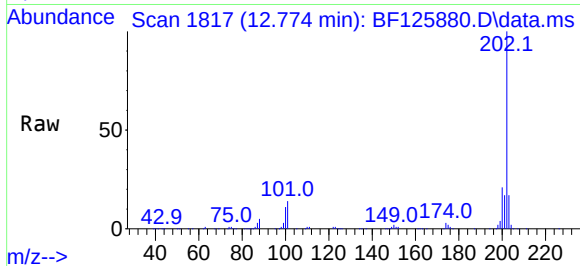
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Ion Ratio Lower Upper  
240 100  
120 14.1 10.8 16.2  
236 25.5 21.6 32.4



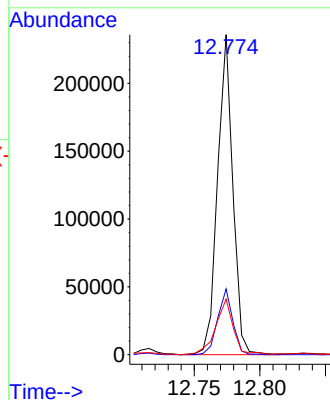
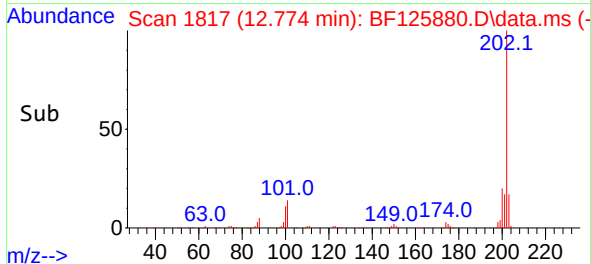




#78  
Pyrene  
Concen: 5.41 ng  
RT: 12.774 min Scan# 1817  
Delta R.T. -0.006 min  
Lab File: BF125880.D  
Acq: 18 Oct 2021 16:44



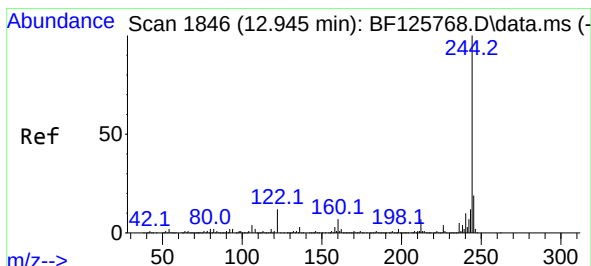
Tgt Ion:202 Resp: 190994  
Ion Ratio Lower Upper  
202 100  
200 20.6 15.3 22.9  
203 17.3 13.4 20.0



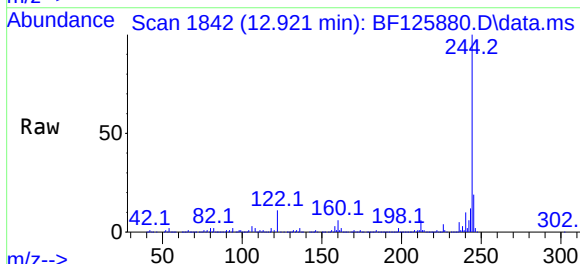
Instrument :  
BNA\_F  
ClientSampled :  
TEST-BA-(1)

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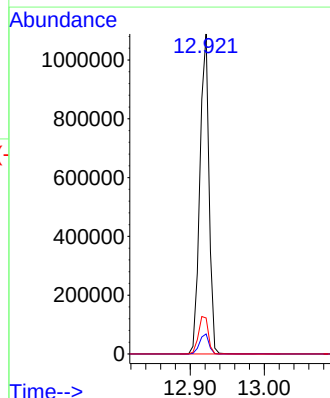
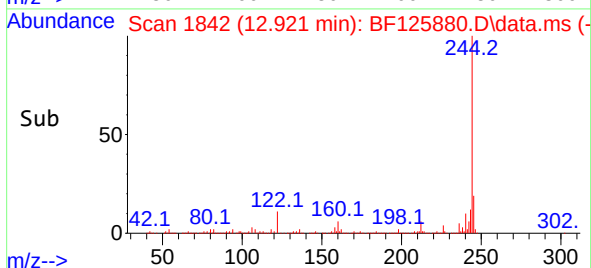
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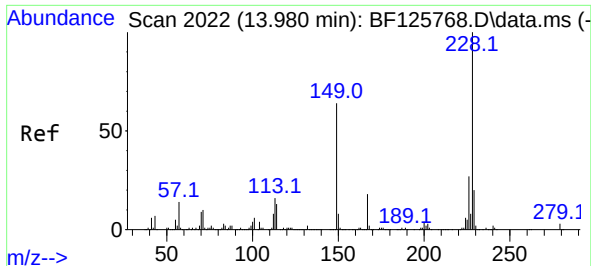


#79  
Terphenyl-d14  
Concen: 40.78 ng  
RT: 12.921 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: BF125880.D  
Acq: 18 Oct 2021 16:44



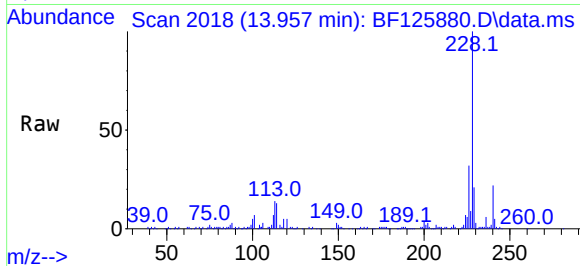
Tgt Ion:244 Resp: 930798  
Ion Ratio Lower Upper  
244 100  
212 6.2 5.9 8.9  
122 11.2 9.0 13.4





#81  
Benzo(a)anthracene  
Concen: 5.12 ng  
RT: 13.957 min Scan# 2018  
Delta R.T. -0.006 min  
Lab File: BF125880.D  
Acq: 18 Oct 2021 16:44

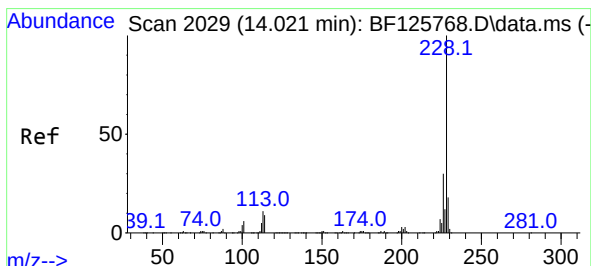
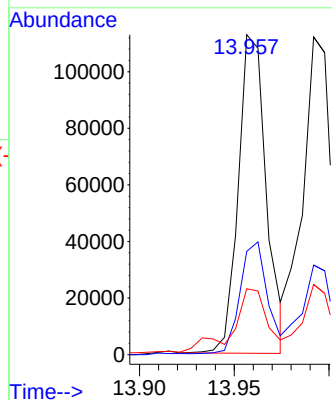
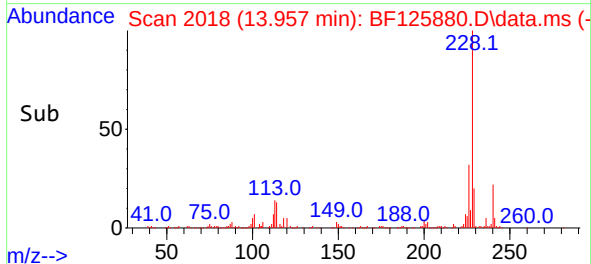
Instrument :  
BNA\_F  
ClientSampled :  
TEST-BA-(1)



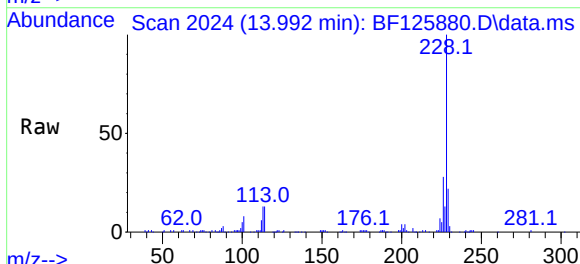
Tgt Ion:228 Resp: 115451  
Ion Ratio Lower Upper  
228 100  
226 32.3 21.6 32.4  
229 20.6 15.6 23.4

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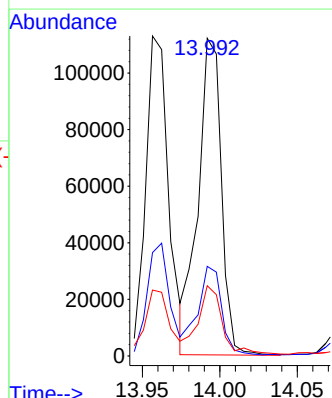
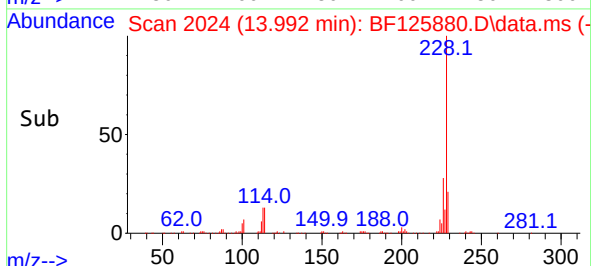
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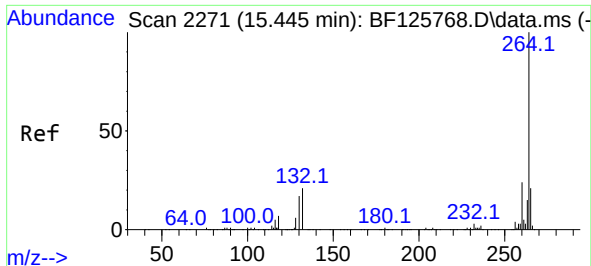


#83  
Chrysene  
Concen: 5.25 ng  
RT: 13.992 min Scan# 2024  
Delta R.T. -0.012 min  
Lab File: BF125880.D  
Acq: 18 Oct 2021 16:44

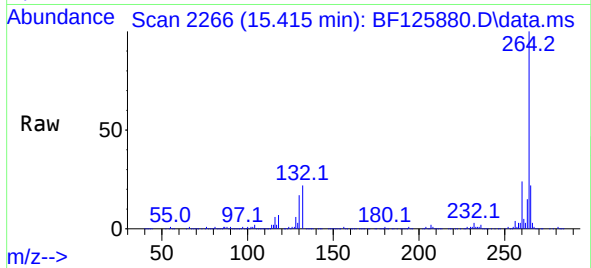


Tgt Ion:228 Resp: 117126  
Ion Ratio Lower Upper  
228 100  
226 28.2 22.6 34.0  
229 22.1 15.9 23.9

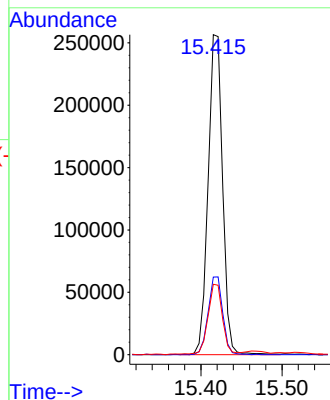
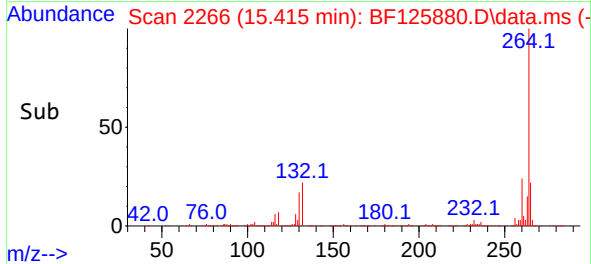




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.415 min Scan# 2266  
Delta R.T. -0.006 min  
Lab File: BF125880.D  
Acq: 18 Oct 2021 16:44



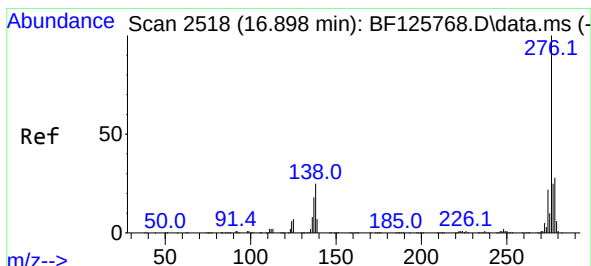
Tgt Ion:264 Resp: 317113  
Ion Ratio Lower Upper  
264 100  
260 24.3 19.6 29.4  
265 22.0 17.2 25.8



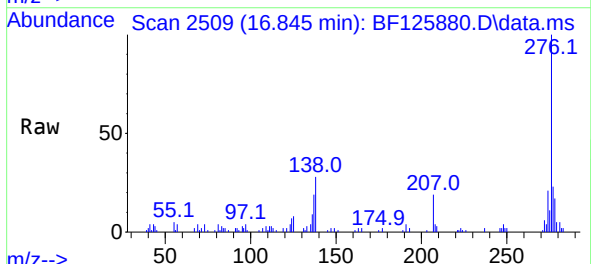
Instrument :  
BNA\_F  
ClientSampleId :  
TEST-BA-(1)

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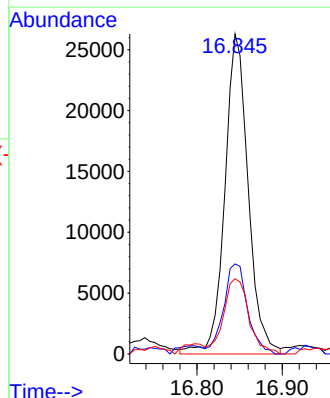
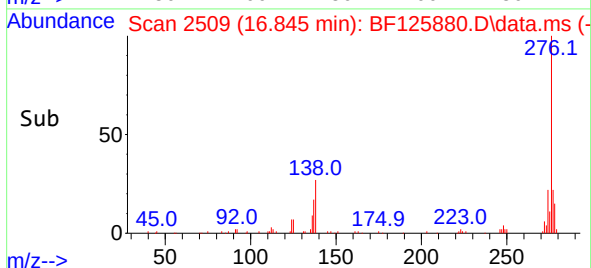
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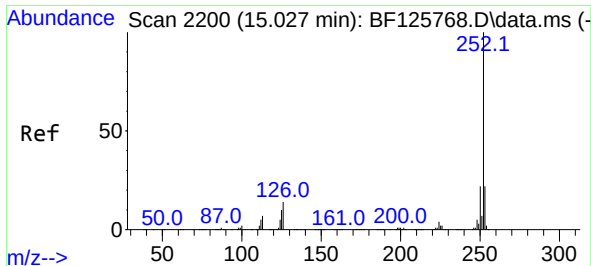


#87  
Indeno(1,2,3-cd)pyrene  
Concen: 2.06 ng  
RT: 16.845 min Scan# 2509  
Delta R.T. -0.018 min  
Lab File: BF125880.D  
Acq: 18 Oct 2021 16:44



Tgt Ion:276 Resp: 49959  
Ion Ratio Lower Upper  
276 100  
138 28.8 24.1 36.1  
277 25.5 18.8 28.2





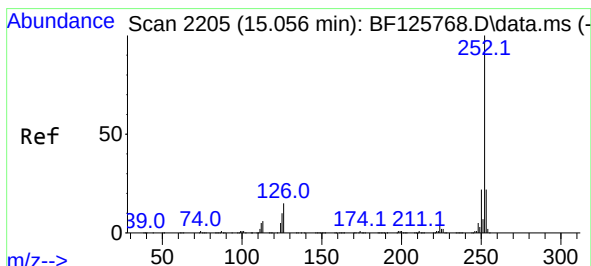
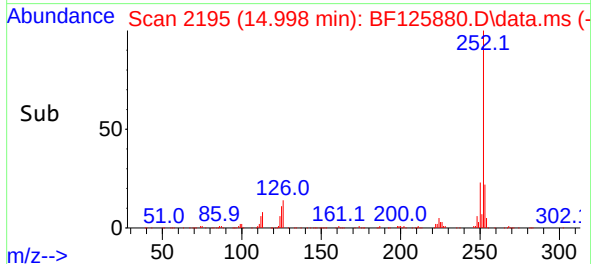
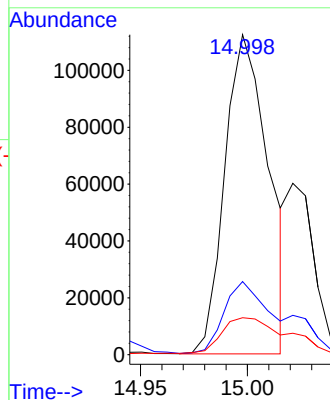
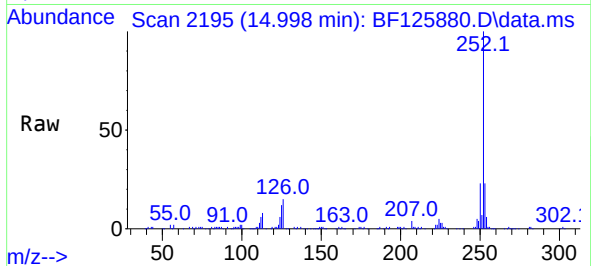
#88  
Benzo(b)fluoranthene  
Concen: 8.94 ng m  
RT: 14.998 min Scan# 2195  
Delta R.T. -0.006 min  
Lab File: BF125880.D  
Acq: 18 Oct 2021 16:44

Tgt Ion:252 Resp: 160044  
Ion Ratio Lower Upper  
252 100  
253 22.9 16.8 25.2  
125 11.6 9.8 14.8

Instrument :  
BNA\_F  
ClientSampled :  
TEST-BA-(1)

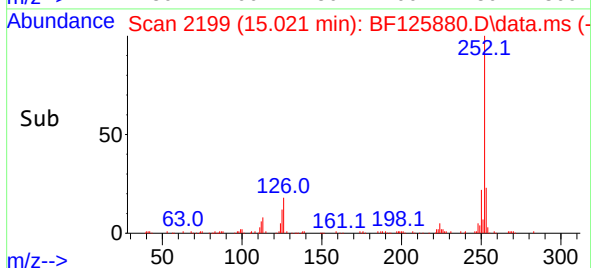
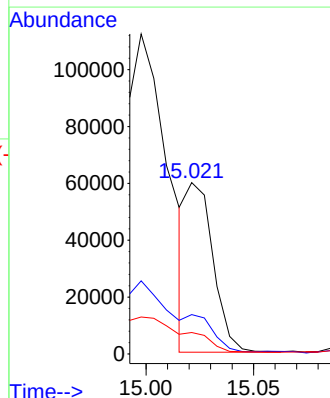
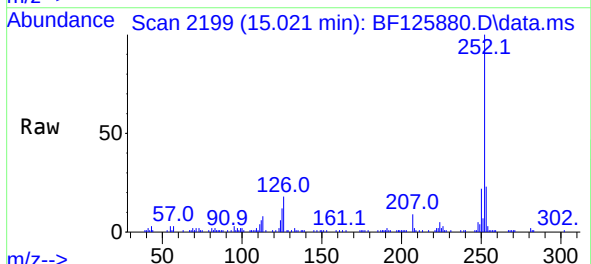
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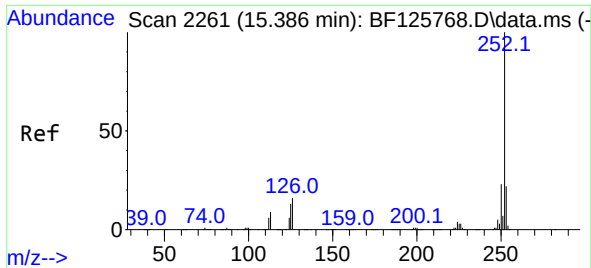
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#89  
Benzo(k)fluoranthene  
Concen: 2.80 ng m  
RT: 15.021 min Scan# 2199  
Delta R.T. -0.006 min  
Lab File: BF125880.D  
Acq: 18 Oct 2021 16:44

Tgt Ion:252 Resp: 51425  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.8 26.8  
125 12.5 7.2 10.8#





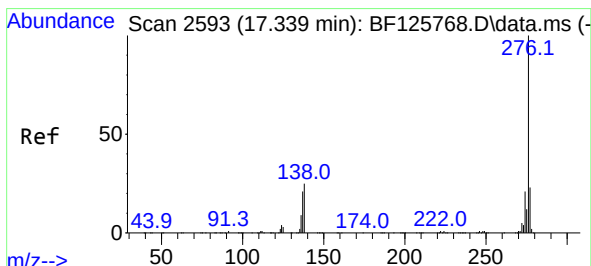
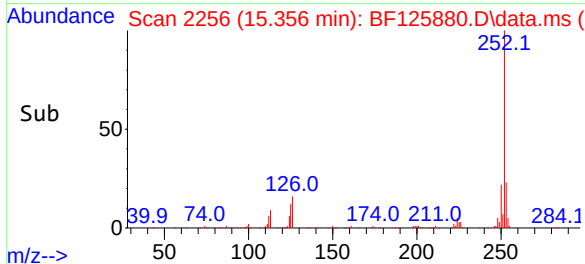
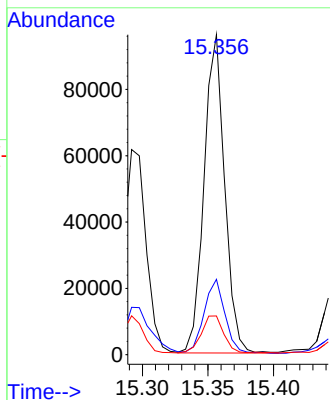
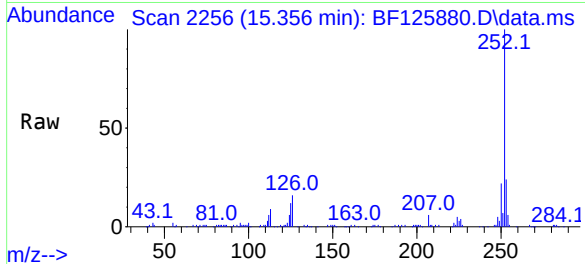
#90  
Benzo(a)pyrene  
Concen: 6.63 ng  
RT: 15.356 min Scan# 2256  
Delta R.T. -0.006 min  
Lab File: BF125880.D  
Acq: 18 Oct 2021 16:44

Tgt Ion: 252 Resp: 105055  
Ion Ratio Lower Upper  
252 100  
253 23.5 18.4 27.6  
125 12.1 9.9 14.9

Instrument :  
BNA\_F  
ClientSampleId :  
TEST-BA-(1)

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#92  
Benzo(g,h,i)perylene  
Concen: 2.26 ng  
RT: 17.280 min Scan# 2583  
Delta R.T. -0.018 min  
Lab File: BF125880.D  
Acq: 18 Oct 2021 16:44

Tgt Ion: 276 Resp: 46015  
Ion Ratio Lower Upper  
276 100  
277 22.1 22.0 33.0  
138 24.4 22.2 33.4

