

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061221\  
 Data File : BF124285.D  
 Acq On : 12 Jun 2021 14:33  
 Operator : JU/CG  
 Sample : M2651-02  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 17-B2(0-5)

Manual Integrations  
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Quant Time: Jun 14 04:25:22 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF060321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 10 01:53:56 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.839  | 152  | 33322    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.122  | 136  | 127796   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.880  | 164  | 73707    | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.363 | 188  | 117496   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12            | 14.009 | 240  | 85726    | 20.000 | ng    | -0.01    |
| 86) Perylene-d12            | 15.486 | 264  | 75120    | 20.000 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.463  | 112  | 165390   | 74.716 | ng    | -0.02    |
| 7) Phenol-d6                | 6.481  | 99   | 210708   | 70.817 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.398  | 82   | 162068   | 50.298 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.669 | 330  | 64767    | 62.022 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.198  | 172  | 294114   | 50.213 | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.951 | 244  | 233617   | 37.415 | ng    | -0.01    |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 50) Dimethylphthalate       | 9.592  | 163  | 63212    | 10.366 | ng    | 98       |
| 71) Phenanthrene            | 11.386 | 178  | 16305    | 2.221  | ng    | 97       |
| 75) Fluoranthene            | 12.580 | 202  | 62079    | 8.058  | ng    | 98       |
| 78) Pyrene                  | 12.810 | 202  | 56469    | 6.860  | ng    | 95       |
| 81) Benzo(a)anthracene      | 13.998 | 228  | 38022    | 6.088  | ng    | 97       |
| 83) Chrysene                | 14.033 | 228  | 28170m   | 4.675  | ng    |          |
| 87) Indeno(1,2,3-cd)pyrene  | 16.968 | 276  | 14585    | 6.457  | ng    | # 83     |
| 88) Benzo(b)fluoranthene    | 15.057 | 252  | 55232m   | 9.465  | ng    |          |
| 89) Benzo(k)fluoranthene    | 15.080 | 252  | 13577m   | 2.458  | ng    |          |
| 90) Benzo(a)pyrene          | 15.421 | 252  | 33286    | 6.567  | ng    | 94       |
| 92) Benzo(g,h,i)perylene    | 17.409 | 276  | 15032m   | 6.435  | ng    |          |
| -----                       |        |      |          |        |       |          |

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

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TIC: BF124285.D\data.ms

Abundance

Time-->

1,4-Dichlorobenzene-d4,l

Nitrobenzene-d5,S

Naphthalene-d8,l

2-Fluorophenol,S

Phenol-d6,S

2,4,6-Tribromophenol,S

Phenanthrene

Phenanthrene-d10,l

Fluoranthene,C

Pyrene

Terphenyl-d14,S

Chrysene

Benzo(a)anthracene

Benzo(k)fluoranthene

Benzo(a)pyrene

Benzo(a)pyrene-d12,l

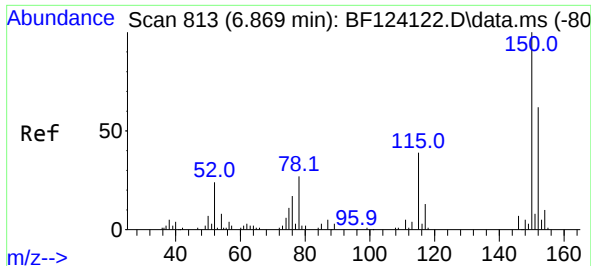
Indeno(1,2,3-cd)pyrene

Benzo(g,h,i)perylene

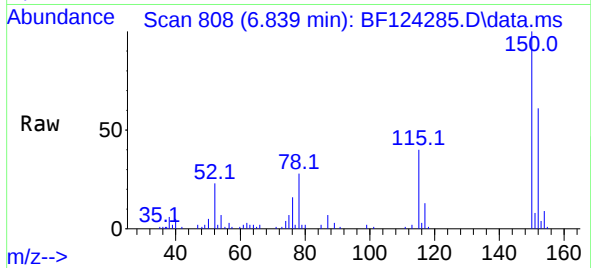
Dimethylphthalate

Acenaphthene-d10,l

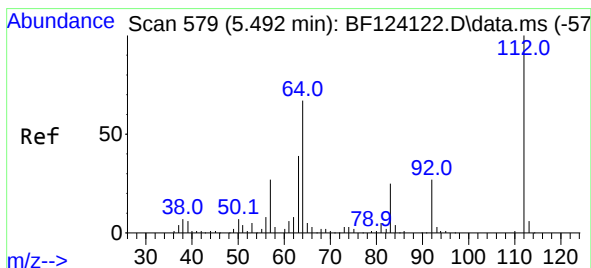
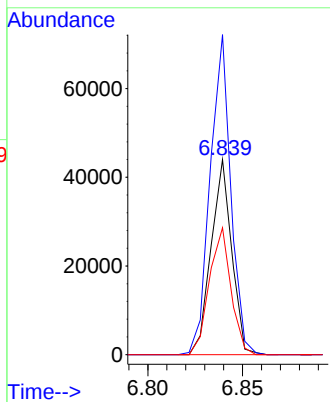
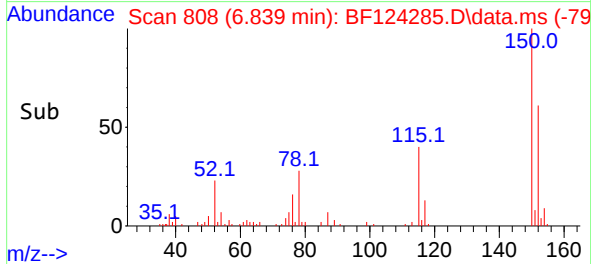
2-Fluorobiphenyl,S



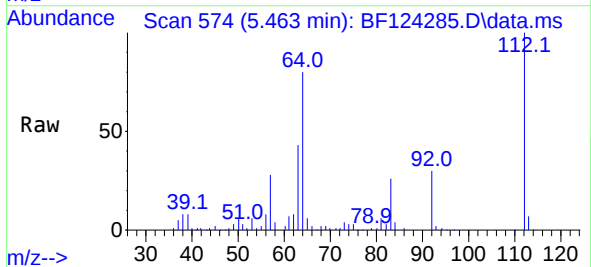
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.839 min Scan# 808  
Delta R.T. -0.012 min  
Lab File: BF124285.D  
Acq: 12 Jun 2021 14:33



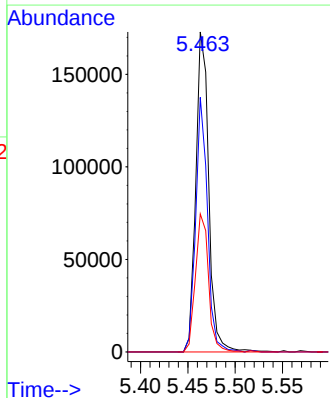
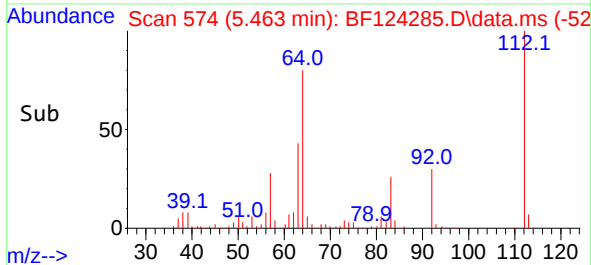
Tgt Ion:152 Resp: 33322  
Ion Ratio Lower Upper  
152 100  
150 163.9 127.0 190.6  
115 65.0 54.3 81.5



#5  
2-Fluorophenol  
Concen: 74.716 ng  
RT: 5.463 min Scan# 574  
Delta R.T. -0.018 min  
Lab File: BF124285.D  
Acq: 12 Jun 2021 14:33



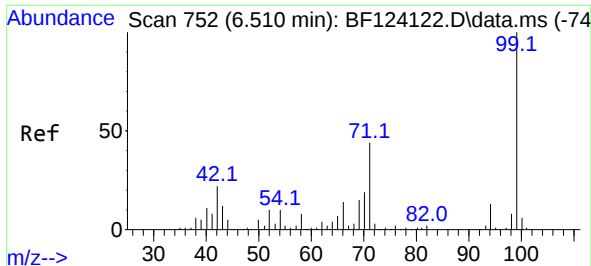
Tgt Ion:112 Resp: 165390  
Ion Ratio Lower Upper  
112 100  
64 79.6 61.4 92.0  
63 43.2 33.0 49.4



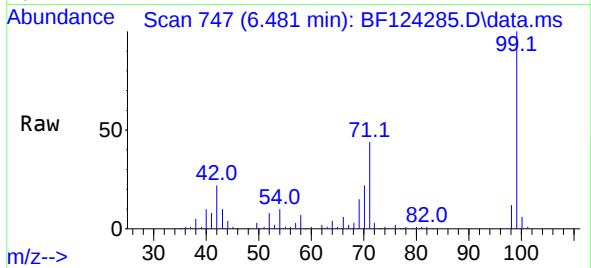
Instrument :  
BNA\_F  
ClientSampled :  
17-B2(0-5)

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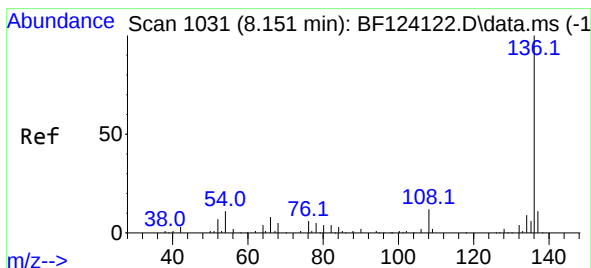
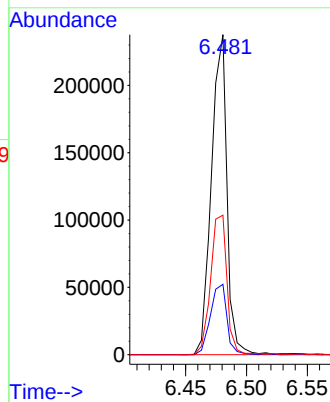
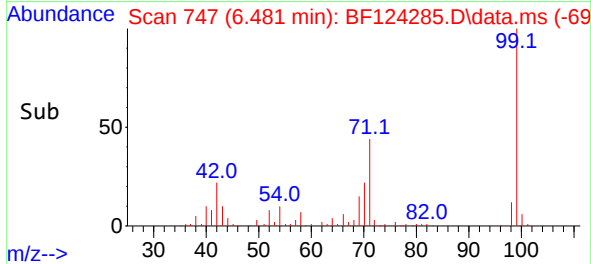
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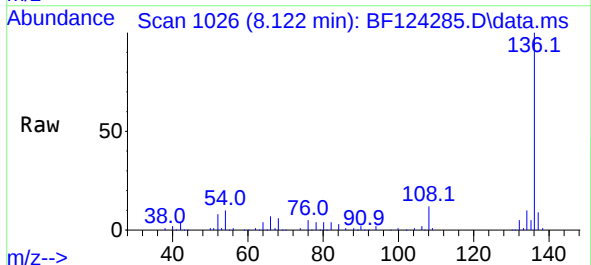
#7  
Phenol-d6  
Concen: 70.817 ng  
RT: 6.481 min Scan# 747  
Delta R.T. -0.018 min  
Lab File: BF124285.D  
Acq: 12 Jun 2021 14:33



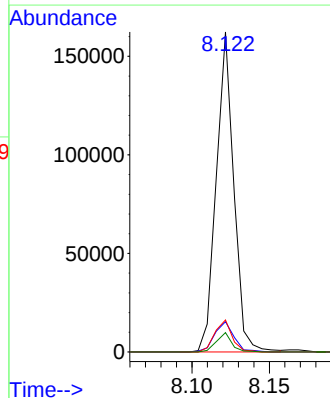
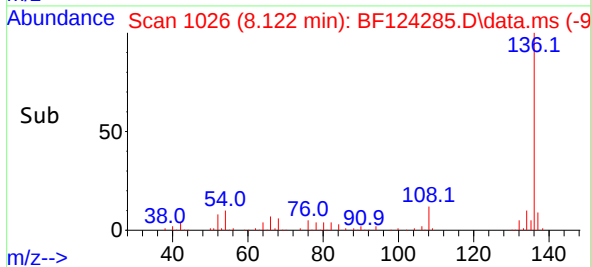
Tgt Ion: 99 Resp: 210708  
Ion Ratio Lower Upper  
99 100  
42 22.0 19.8 29.8  
71 43.6 31.1 46.7



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.122 min Scan# 1026  
Delta R.T. -0.012 min  
Lab File: BF124285.D  
Acq: 12 Jun 2021 14:33



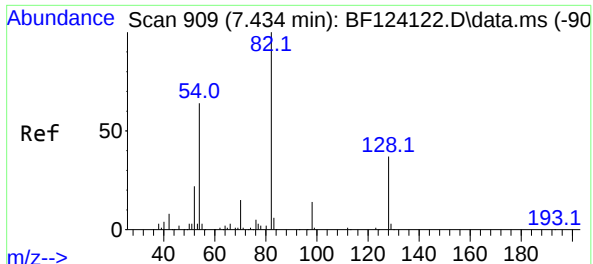
Tgt Ion: 136 Resp: 127796  
Ion Ratio Lower Upper  
136 100  
137 9.5 8.7 13.1  
54 10.0 9.8 14.6  
68 6.0 4.1 6.1



Instrument :  
BNA\_F  
ClientSampled :  
17-B2(0-5)

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#23

Nitrobenzene-d5

Concen: 50.298 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.018 min

Lab File: BF124285.D

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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 162068 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 35.7  | 29.4  | 44.2   |
| 54       | 63.3  | 54.1  | 81.1   |

Instrument :

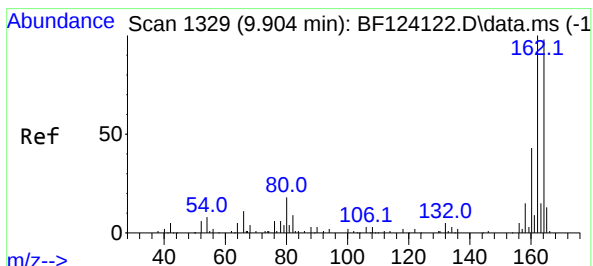
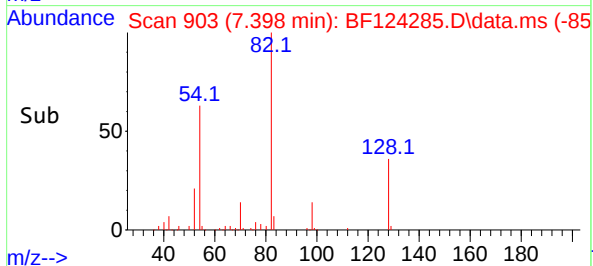
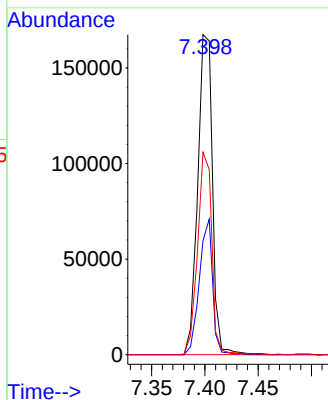
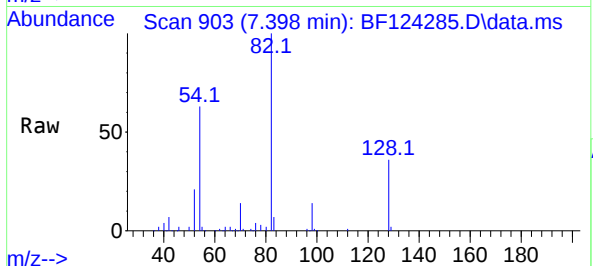
BNA\_F

ClientSampled :

17-B2(0-5)

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#39

Acenaphthene-d10

Concen: 20.000 ng

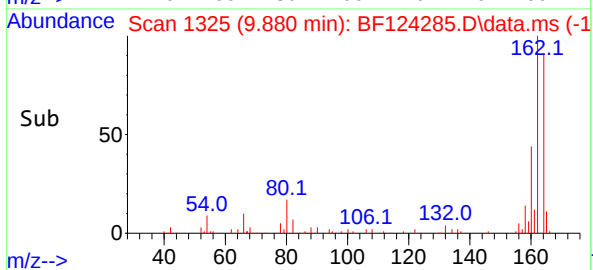
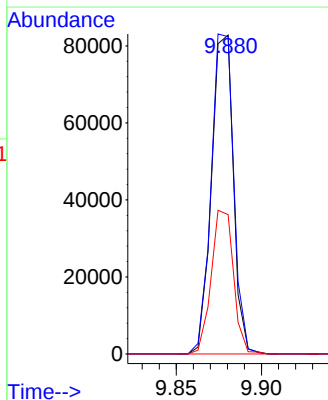
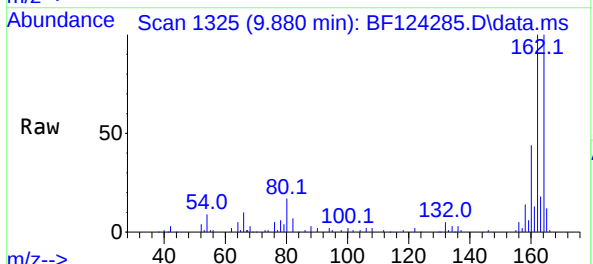
RT: 9.880 min Scan# 1325

Delta R.T. -0.012 min

Lab File: BF124285.D

Acq: 12 Jun 2021 14:33

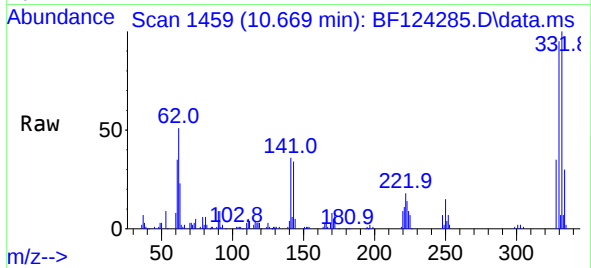
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 73707 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 162      | 99.5  | 80.7  | 121.1 |
| 160      | 43.7  | 37.3  | 55.9  |





#42  
2,4,6-Tribromophenol  
Concen: 62.022 ng  
RT: 10.669 min Scan# 1459  
Delta R.T. -0.012 min  
Lab File: BF124285.D  
Acq: 12 Jun 2021 14:33

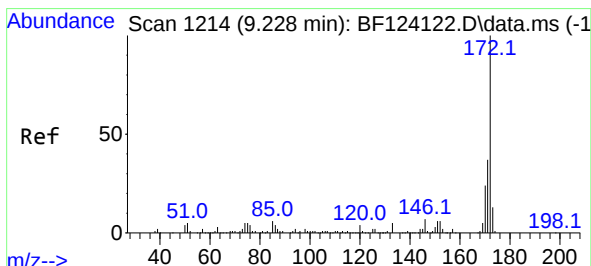
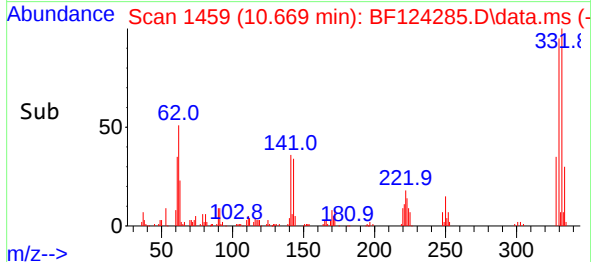
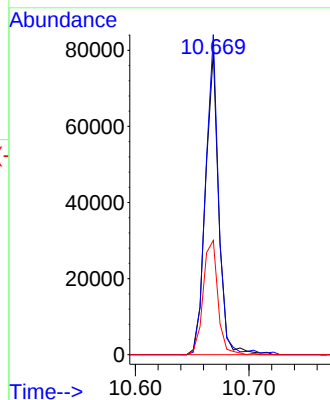
Instrument :  
BNA\_F  
ClientSampled :  
17-B2(0-5)



Tgt Ion:330 Resp: 64767  
Ion Ratio Lower Upper  
330 100  
332 103.0 77.1 115.7  
141 41.7 27.9 41.9

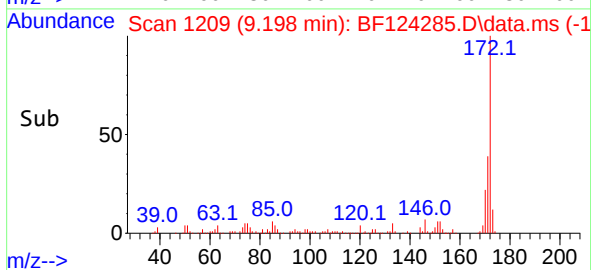
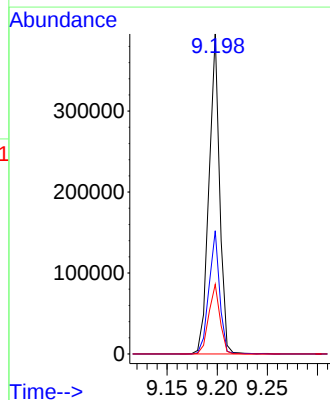
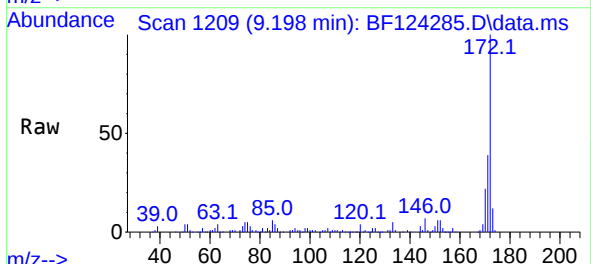
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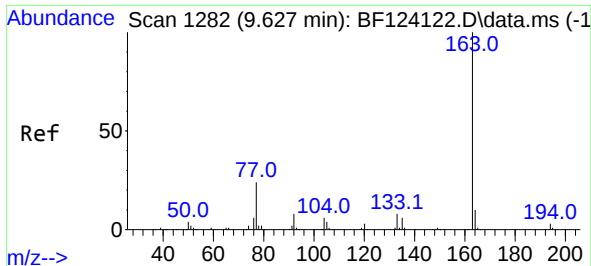
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#45  
2-Fluorobiphenyl  
Concen: 50.213 ng  
RT: 9.198 min Scan# 1209  
Delta R.T. -0.012 min  
Lab File: BF124285.D  
Acq: 12 Jun 2021 14:33

Tgt Ion:172 Resp: 294114  
Ion Ratio Lower Upper  
172 100  
171 38.5 28.1 42.1  
170 21.8 19.2 28.8





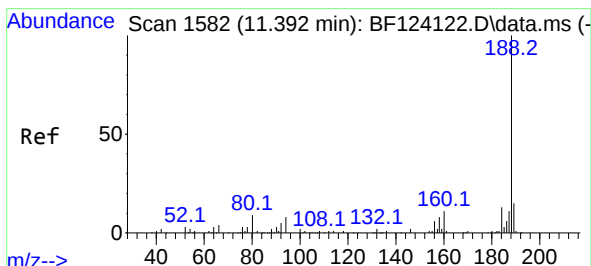
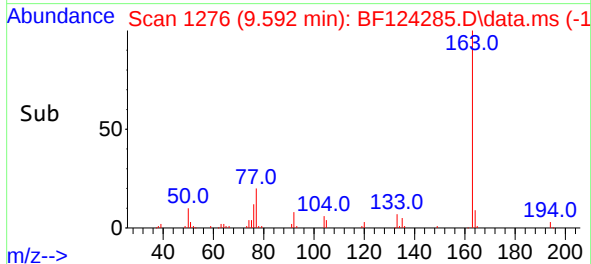
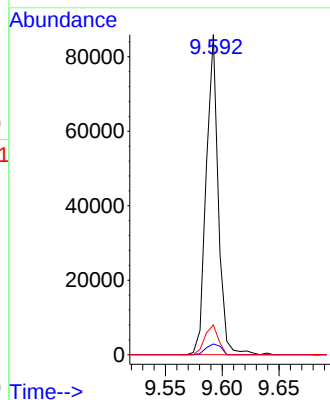
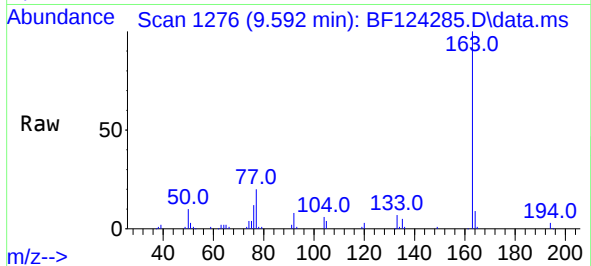
#50  
Dimethylphthalate  
Concen: 10.366 ng  
RT: 9.592 min Scan# 1276  
Delta R.T. -0.023 min  
Lab File: BF124285.D  
Acq: 12 Jun 2021 14:33

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:163 | Resp: | 63212    |
| Ion Ratio   | Lower | Upper    |
| 163         | 100   |          |
| 194         | 3.4   | 3.1 4.7  |
| 164         | 9.3   | 8.2 12.2 |

Instrument :  
BNA\_F  
ClientSampled :  
17-B2(0-5)

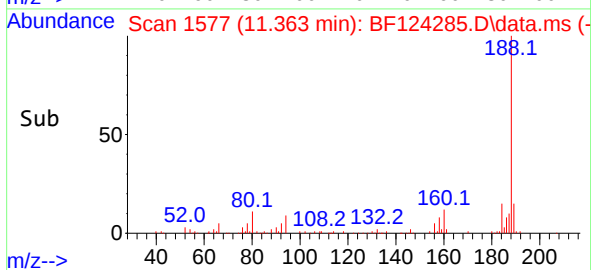
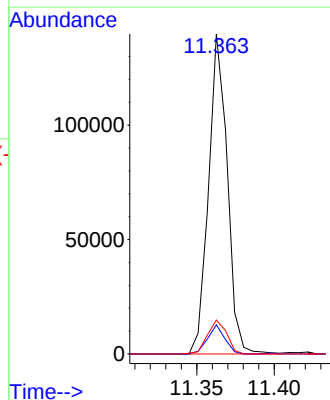
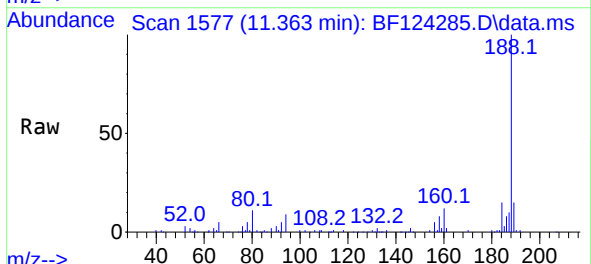
Manual Integrations  
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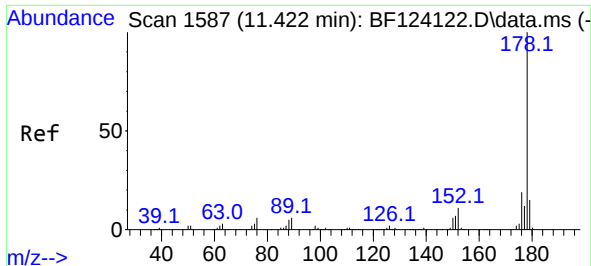
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.363 min Scan# 1577  
Delta R.T. -0.012 min  
Lab File: BF124285.D  
Acq: 12 Jun 2021 14:33

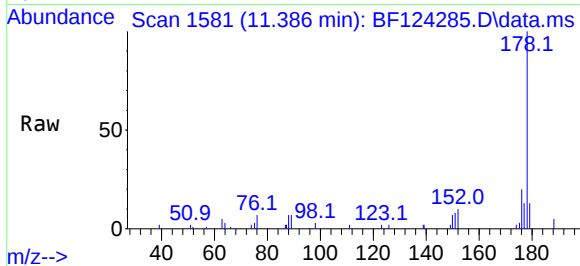
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:188 | Resp: | 117496   |
| Ion Ratio   | Lower | Upper    |
| 188         | 100   |          |
| 94          | 9.1   | 6.9 10.3 |
| 80          | 10.6  | 8.2 12.2 |





#71  
Phenanthrene  
Concen: 2.221 ng  
RT: 11.386 min Scan# 1581  
Delta R.T. -0.018 min  
Lab File: BF124285.D  
Acq: 12 Jun 2021 14:33

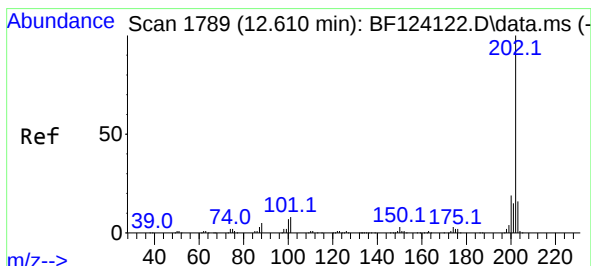
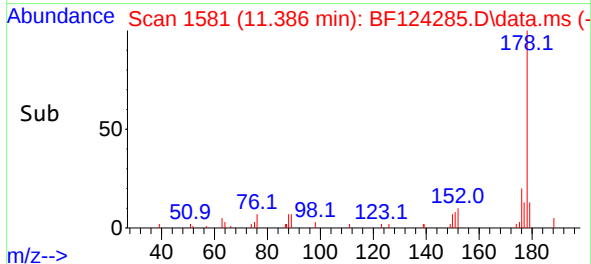
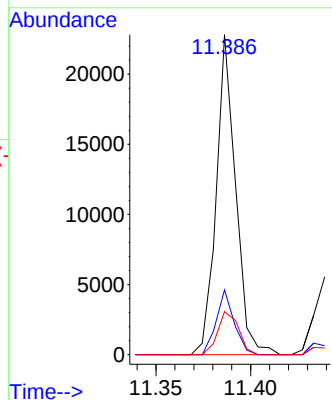
Instrument :  
BNA\_F  
ClientSampleId :  
17-B2(0-5)



Tgt Ion:178 Resp: 16305  
Ion Ratio Lower Upper  
178 100  
176 20.3 15.6 23.4  
179 13.5 12.5 18.7

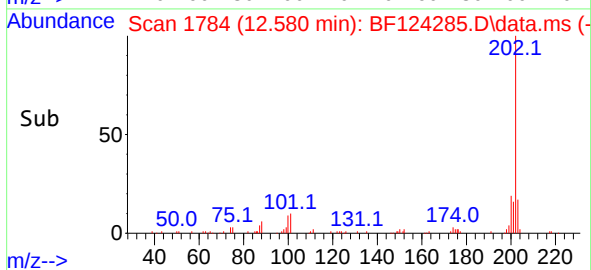
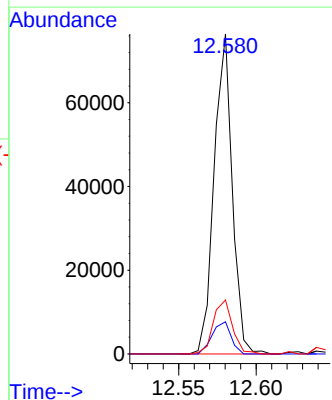
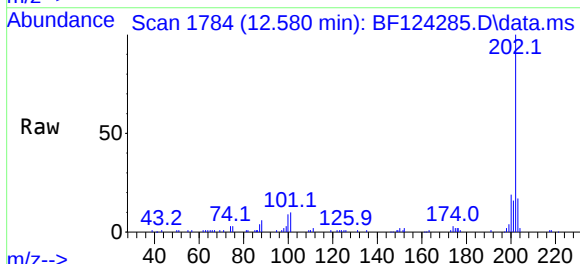
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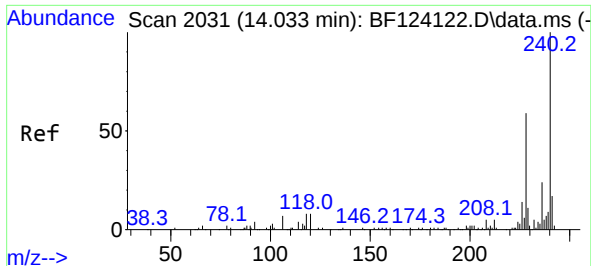
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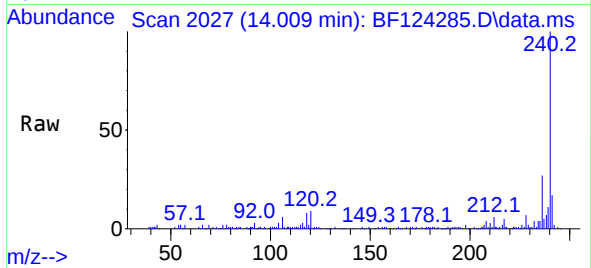
#75  
Fluoranthene  
Concen: 8.058 ng  
RT: 12.580 min Scan# 1784  
Delta R.T. -0.012 min  
Lab File: BF124285.D  
Acq: 12 Jun 2021 14:33

Tgt Ion:202 Resp: 62079  
Ion Ratio Lower Upper  
202 100  
101 10.0 0.0 30.9  
203 16.9 0.0 37.5





#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.009 min Scan# 2027  
Delta R.T. -0.012 min  
Lab File: BF124285.D  
Acq: 12 Jun 2021 14:33

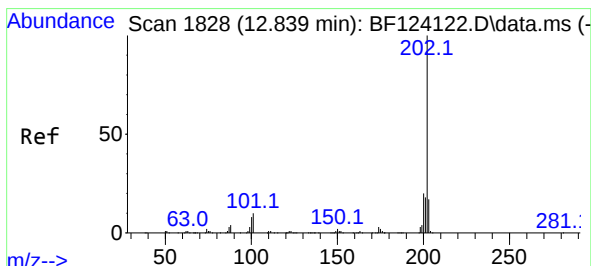
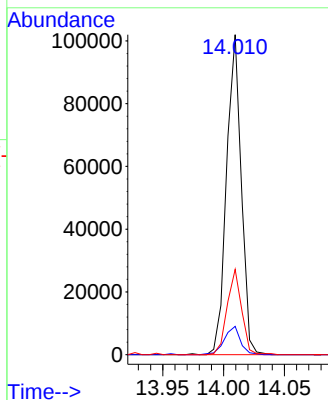
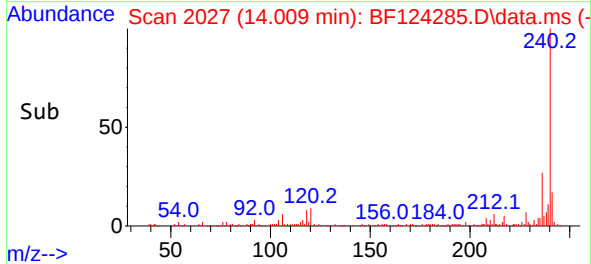


Tgt Ion:240 Resp: 85726  
Ion Ratio Lower Upper  
240 100  
120 8.8 7.2 10.8  
236 26.7 19.0 28.4

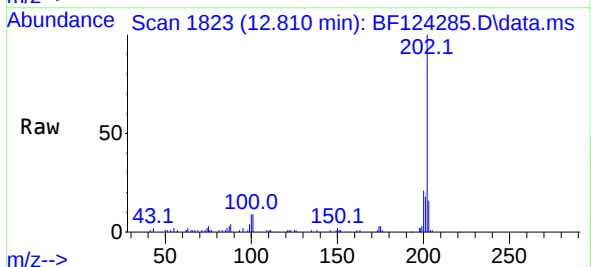
Instrument :  
BNA\_F  
ClientSampled :  
17-B2(0-5)

Manual Integrations  
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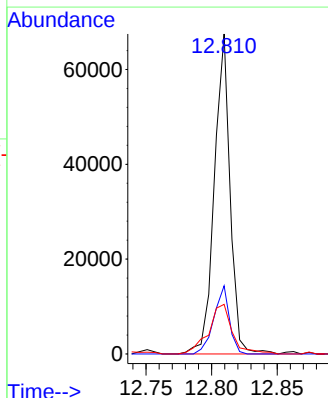
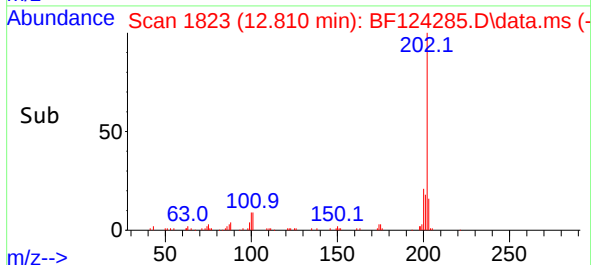
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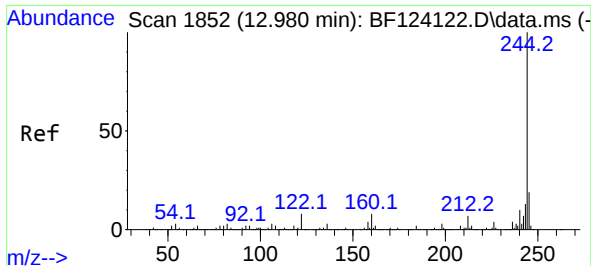


#78  
Pyrene  
Concen: 6.860 ng  
RT: 12.810 min Scan# 1823  
Delta R.T. -0.012 min  
Lab File: BF124285.D  
Acq: 12 Jun 2021 14:33



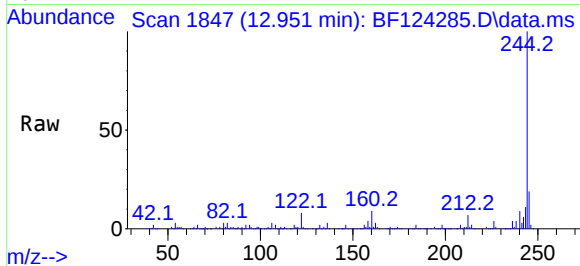
Tgt Ion:202 Resp: 56469  
Ion Ratio Lower Upper  
202 100  
200 21.3 16.1 24.1  
203 15.5 14.8 22.2





#79  
Terphenyl-d14  
Concen: 37.415 ng  
RT: 12.951 min Scan# 1847  
Delta R.T. -0.012 min  
Lab File: BF124285.D  
Acq: 12 Jun 2021 14:33

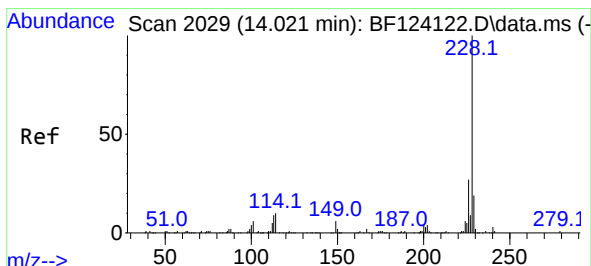
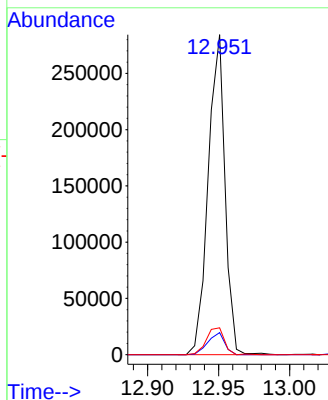
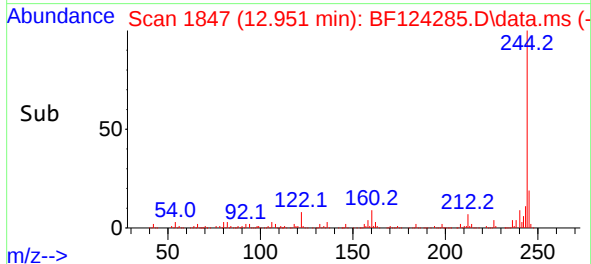
Instrument :  
BNA\_F  
ClientSampleId :  
17-B2(0-5)



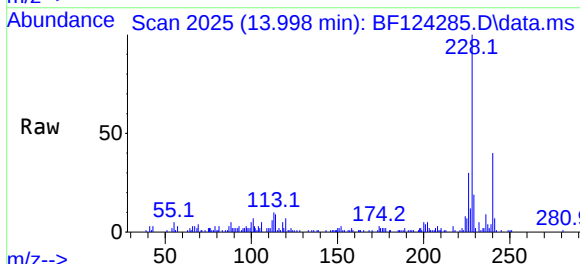
Tgt Ion:244 Resp: 233617  
Ion Ratio Lower Upper  
244 100  
212 6.9 5.7 8.5  
122 8.4 9.7 14.5#

Manual Integrations  
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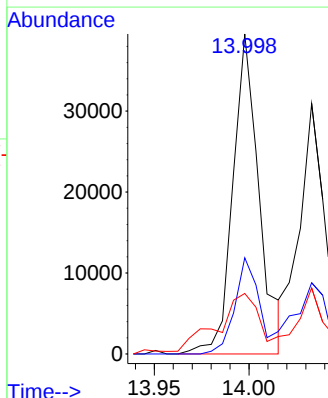
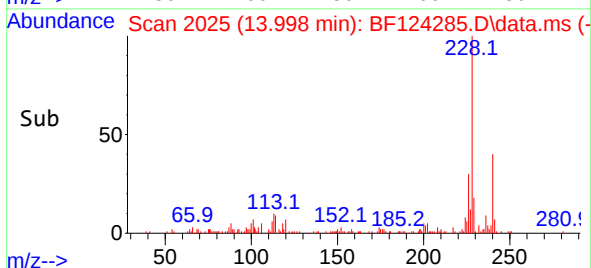
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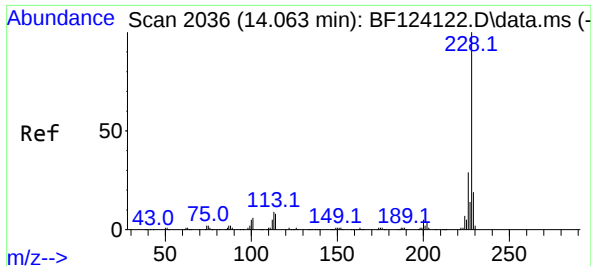


#81  
Benzo(a)anthracene  
Concen: 6.088 ng  
RT: 13.998 min Scan# 2025  
Delta R.T. -0.012 min  
Lab File: BF124285.D  
Acq: 12 Jun 2021 14:33

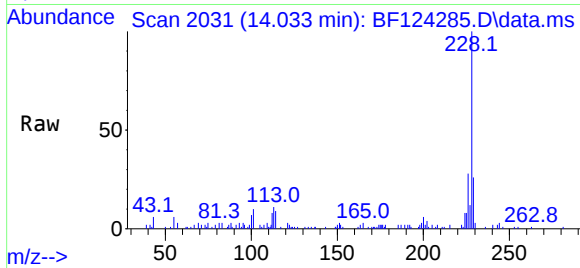


Tgt Ion:228 Resp: 38022  
Ion Ratio Lower Upper  
228 100  
226 30.0 22.4 33.6  
229 18.9 16.0 24.0

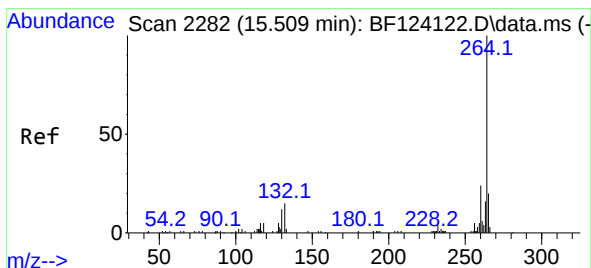
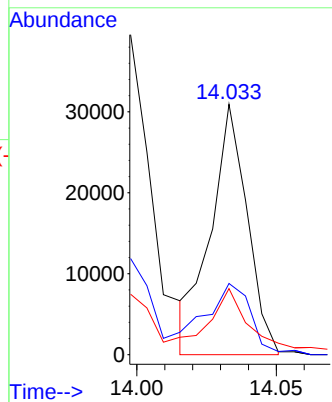
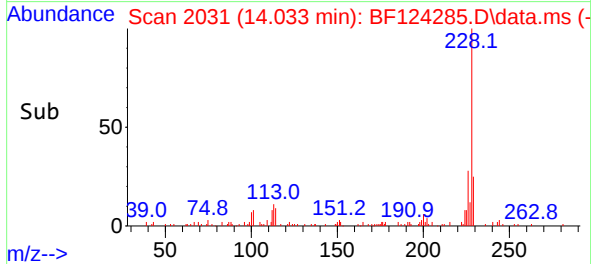




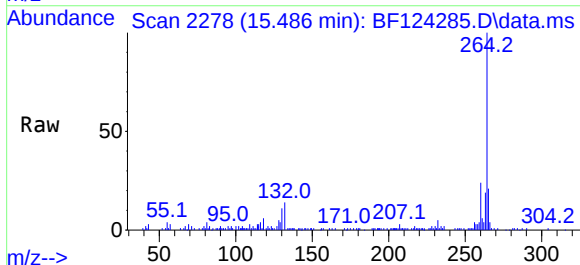
#83  
Chrysene  
Concen: 4.675 ng m  
RT: 14.033 min Scan# 2031  
Delta R.T. -0.012 min  
Lab File: BF124285.D  
Acq: 12 Jun 2021 14:33



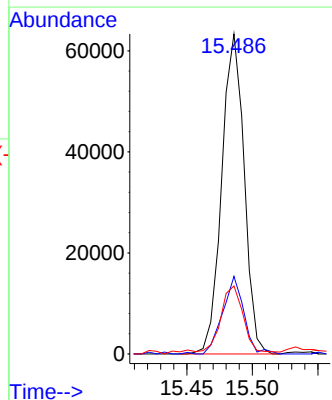
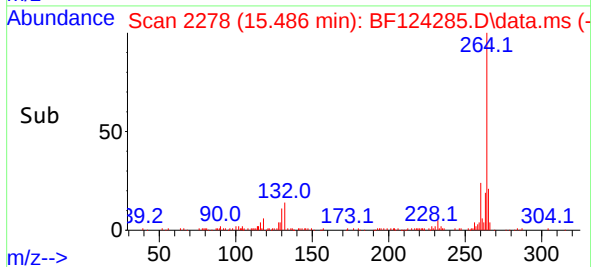
Tgt Ion:228 Resp: 28170  
Ion Ratio Lower Upper  
228 100  
226 28.4 24.3 36.5  
229 26.4 16.2 24.2#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.486 min Scan# 2278  
Delta R.T. -0.006 min  
Lab File: BF124285.D  
Acq: 12 Jun 2021 14:33



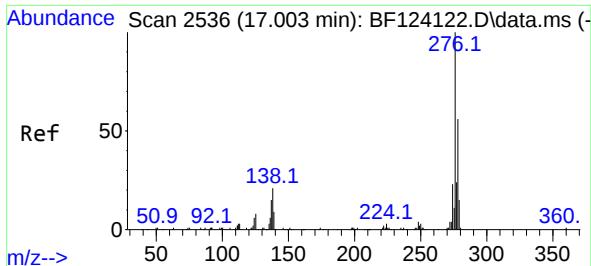
Tgt Ion:264 Resp: 75120  
Ion Ratio Lower Upper  
264 100  
260 24.2 18.7 28.1  
265 21.3 17.8 26.8



Instrument :  
BNA\_F  
ClientSampleId :  
17-B2(0-5)

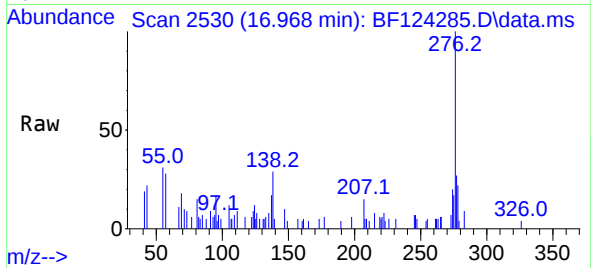
Manual Integrations  
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#87  
Indeno(1,2,3-cd)pyrene  
Concen: 6.457 ng  
RT: 16.968 min Scan# 2530  
Delta R.T. -0.012 min  
Lab File: BF124285.D  
Acq: 12 Jun 2021 14:33

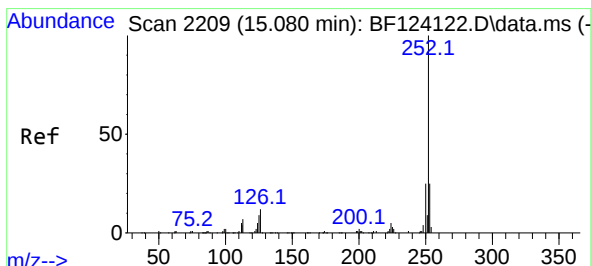
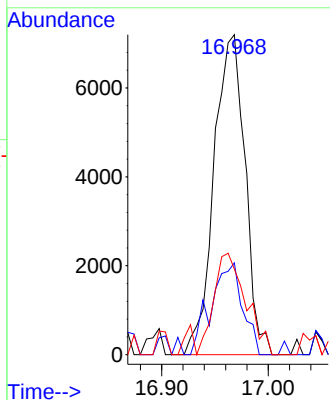
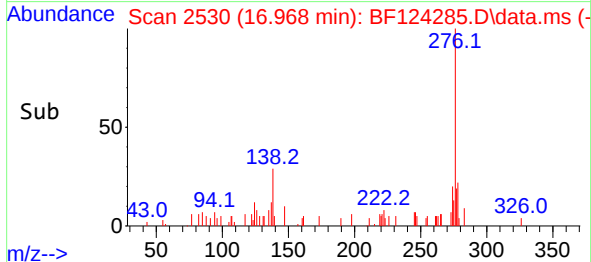
Instrument :  
BNA\_F  
ClientSampled :  
17-B2(0-5)



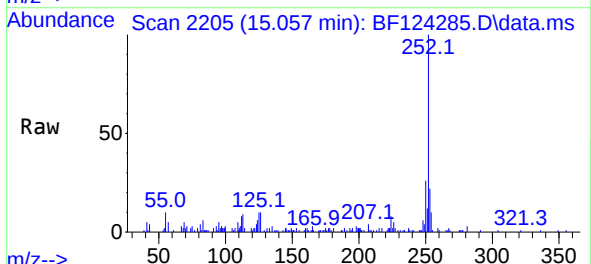
Tgt Ion:276 Resp: 14585  
Ion Ratio Lower Upper  
276 100  
138 29.4 16.2 24.2#  
277 32.7 20.1 30.1#

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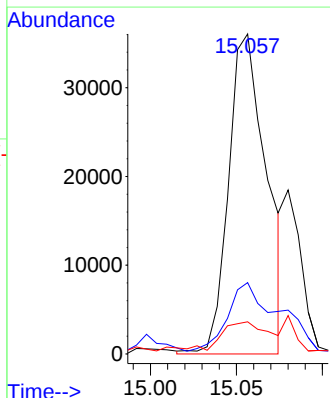
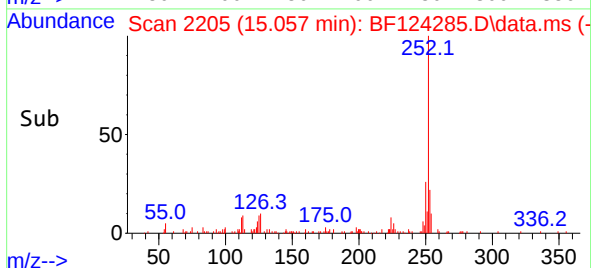
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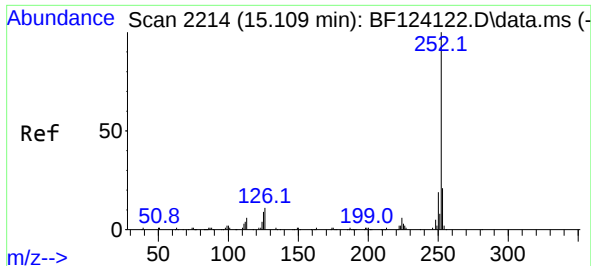


#88  
Benzo(b)fluoranthene  
Concen: 9.465 ng m  
RT: 15.057 min Scan# 2205  
Delta R.T. -0.006 min  
Lab File: BF124285.D  
Acq: 12 Jun 2021 14:33



Tgt Ion:252 Resp: 55232  
Ion Ratio Lower Upper  
252 100  
253 22.3 18.1 27.1  
125 10.1 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 2.458 ng m

RT: 15.080 min Scan# 2209

Delta R.T. -0.012 min

Lab File: BF124285.D

Acq: 12 Jun 2021 14:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 13577 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 26.8  | 17.9  | 26.9  |
| 125       | 13.0  | 7.0   | 10.6# |

Instrument :

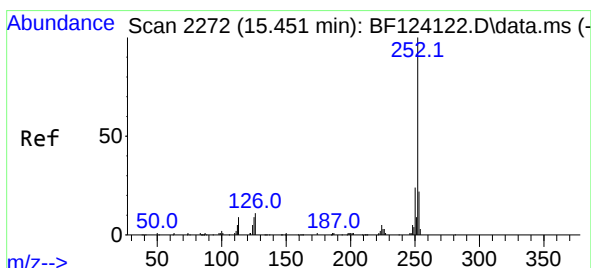
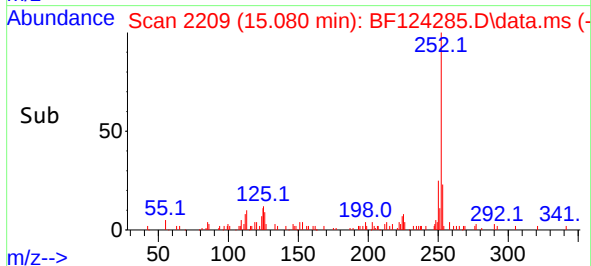
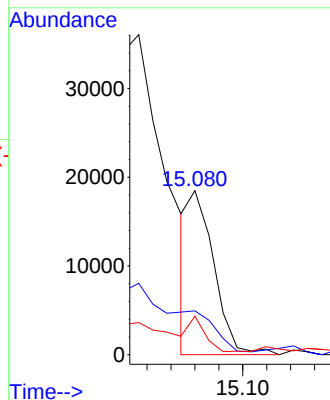
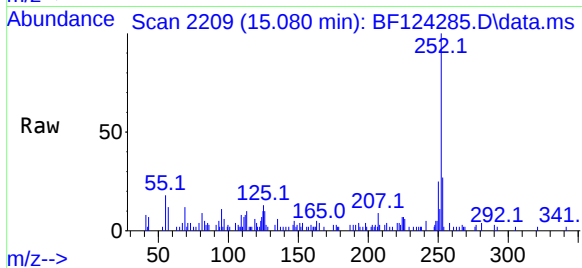
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ClientSampleId :

17-B2(0-5)

Manual Integrations  
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#90

Benzo(a)pyrene

Concen: 6.567 ng

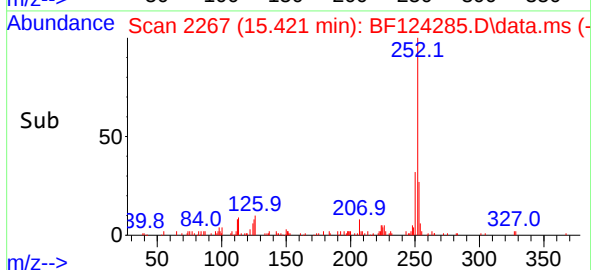
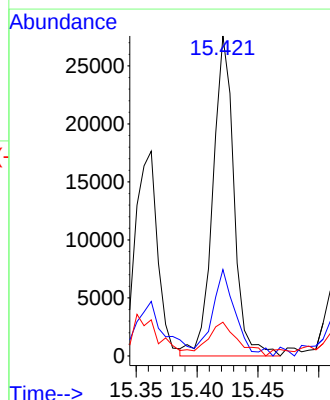
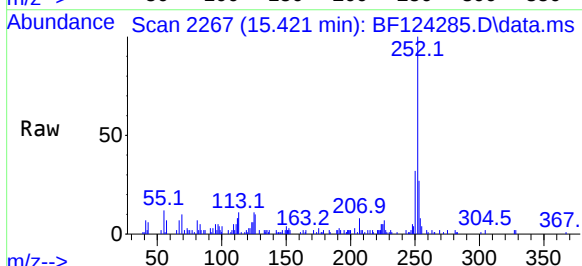
RT: 15.421 min Scan# 2267

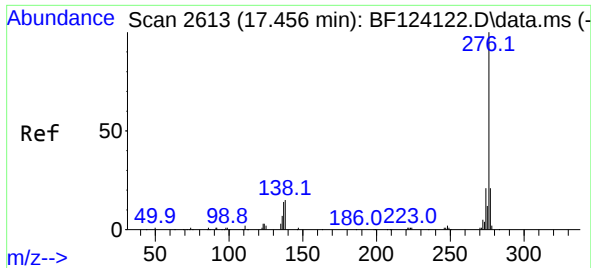
Delta R.T. -0.012 min

Lab File: BF124285.D

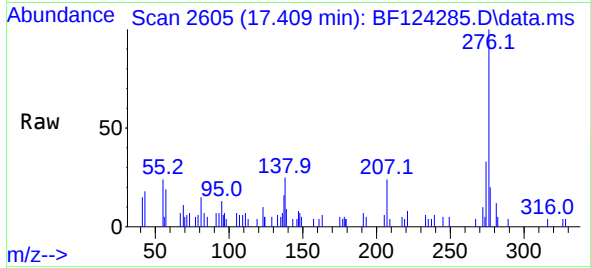
Acq: 12 Jun 2021 14:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 33286 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 27.0  | 18.4  | 27.6  |
| 125       | 10.5  | 8.0   | 12.0  |

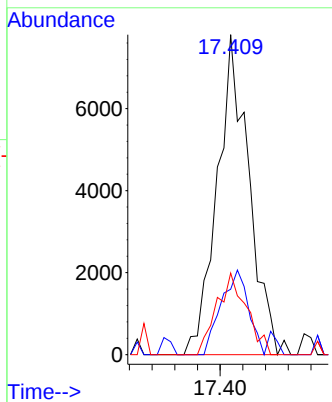
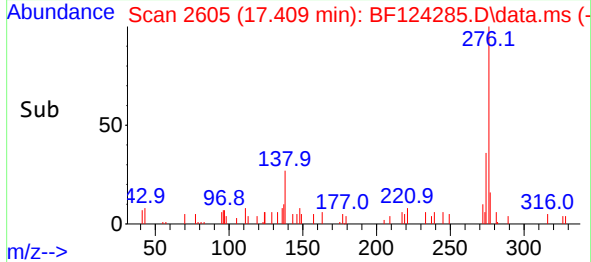




#92  
Benzo(g,h,i)perylene  
Concen: 6.435 ng m  
RT: 17.409 min Scan# 2605  
Delta R.T. -0.023 min  
Lab File: BF124285.D  
Acq: 12 Jun 2021 14:33



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 20.5  | 18.2  | 27.2  |
| 138     | 25.5  | 13.8  | 20.6  |



Instrument :  
BNA\_F  
ClientSampleId :  
17-B2(0-5)

Manual Integrations  
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