

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050321\  
 Data File : BF123799.D  
 Acq On : 4 May 2021 1:58  
 Operator : JU/CG  
 Sample : M2235-01 2X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-02-043021

Manual Integrations  
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Quant Time: May 04 02:35:37 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF042721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 27 16:30:39 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-------|-------|----------|
| -----                       |        |      |          |       |       |          |
| Internal Standards          |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.810  | 152  | 277370   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.092  | 136  | 984364   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.851  | 164  | 422567   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.333 | 188  | 683131   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.974 | 240  | 469828   | 20.00 | ng    | #-0.01   |
| 86) Perylene-d12            | 15.433 | 264  | 379977   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.428  | 112  | 912932   | 52.14 | ng    | 0.00     |
| 7) Phenol-d6                | 6.445  | 99   | 1146542  | 47.54 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.369  | 82   | 774939   | 35.54 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.639 | 330  | 237527   | 45.15 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.169  | 172  | 1103713  | 38.04 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.921 | 244  | 799190   | 32.76 | ng    | 0.00     |
| Target Compounds            |        |      |          |       |       | Qvalue   |
| 75) Fluoranthene            | 12.545 | 202  | 123178   | 3.15  | ng    | 96       |
| 78) Pyrene                  | 12.774 | 202  | 112333   | 3.08  | ng    | 99       |
| 81) Benzo(a)anthracene      | 13.968 | 228  | 58272    | 2.05  | ng    | 95       |
| 88) Benzo(b)fluoranthene    | 15.010 | 252  | 60723m   | 2.37  | ng    |          |
| -----                       |        |      |          |       |       |          |

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

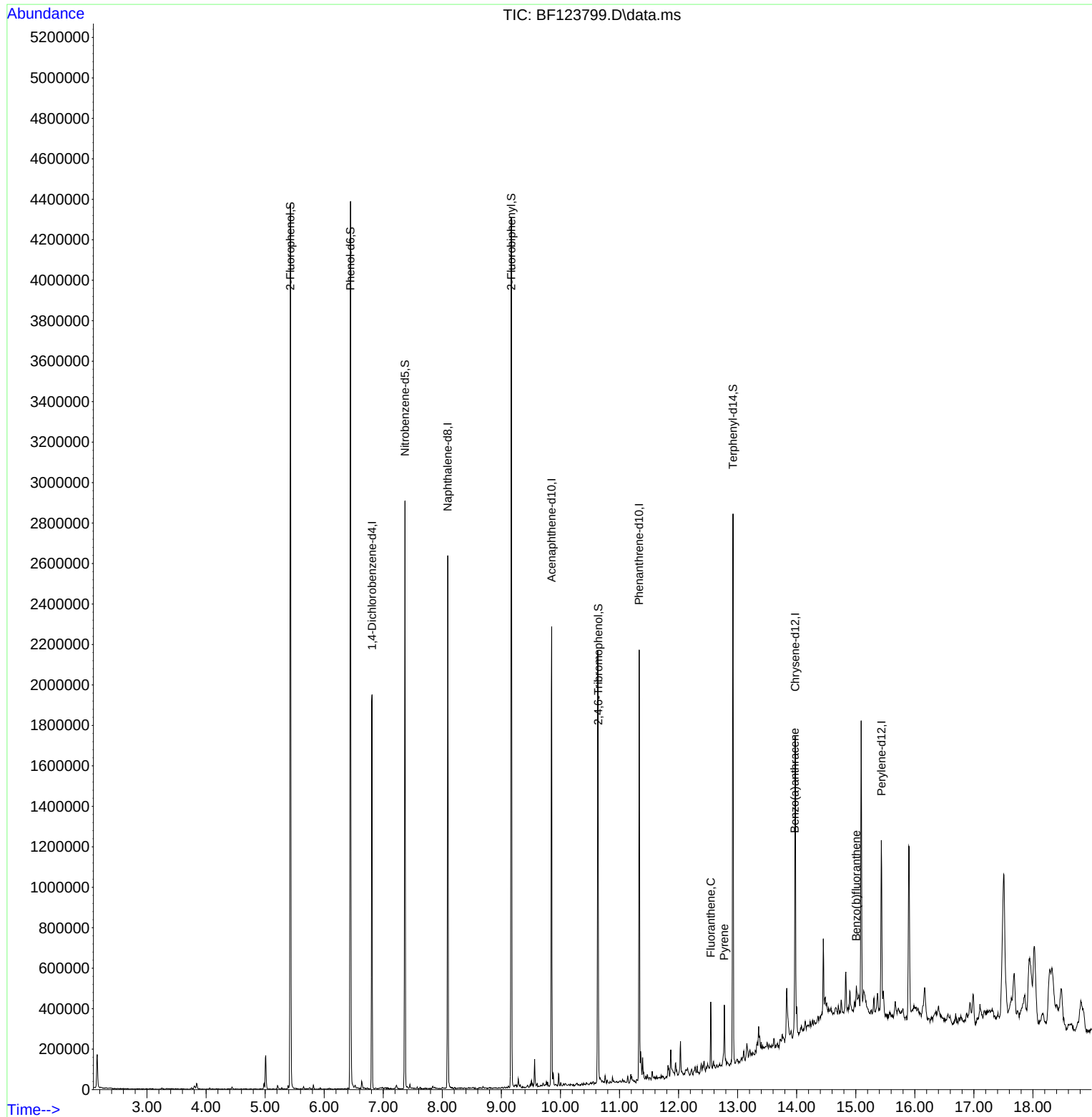
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050321\  
Data File : BF123799.D  
Acq On : 4 May 2021 1:58  
Operator : JU/CG  
Sample : M2235-01 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

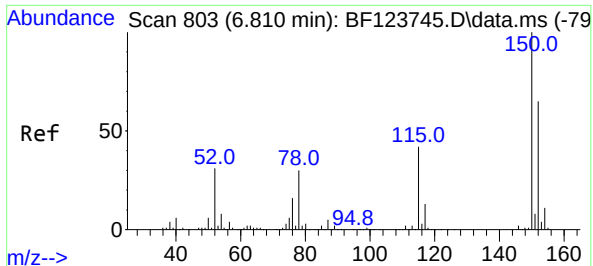
Instrument :  
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OR-02-043021

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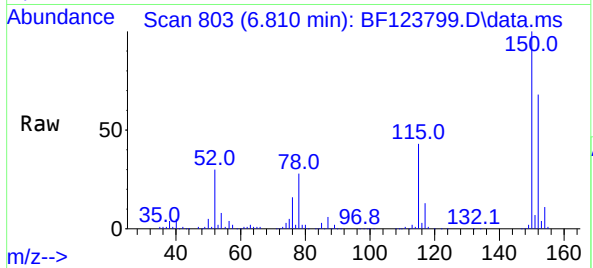
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Quant Time: May 04 02:35:37 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF042721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Apr 27 16:30:39 2021  
Response via : Initial Calibration

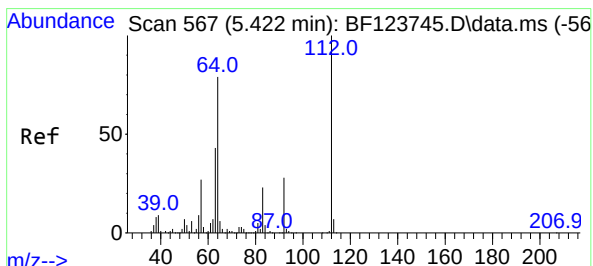
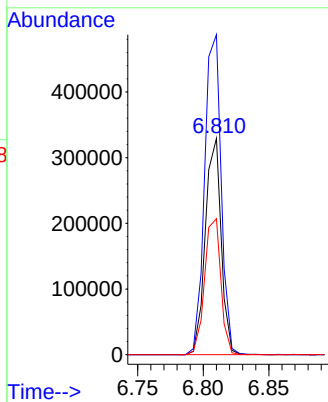
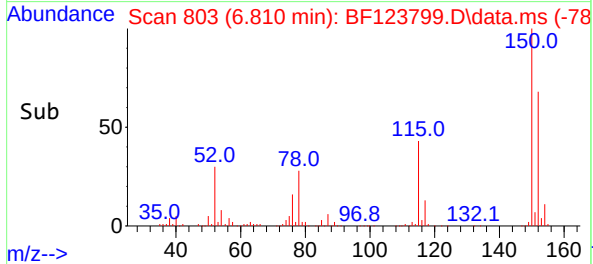




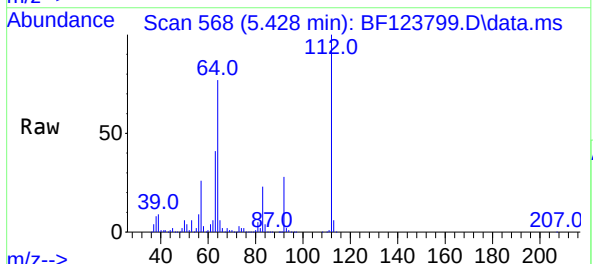
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.810 min Scan# 803  
Delta R.T. 0.000 min  
Lab File: BF123799.D  
Acq: 4 May 2021 1:58



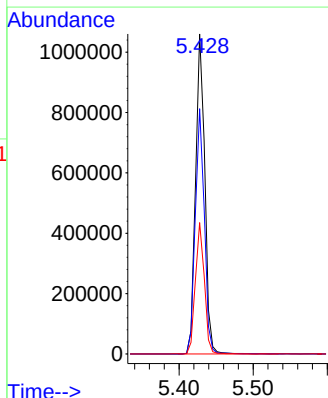
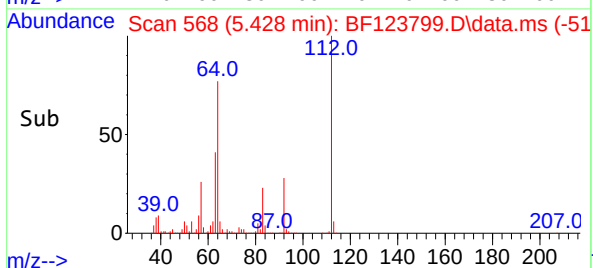
Tgt Ion:152 Resp: 277370  
Ion Ratio Lower Upper  
152 100  
150 147.9 127.0 190.6  
115 62.9 54.3 81.5



#5  
2-Fluorophenol  
Concen: 52.14 ng  
RT: 5.428 min Scan# 568  
Delta R.T. 0.006 min  
Lab File: BF123799.D  
Acq: 4 May 2021 1:58



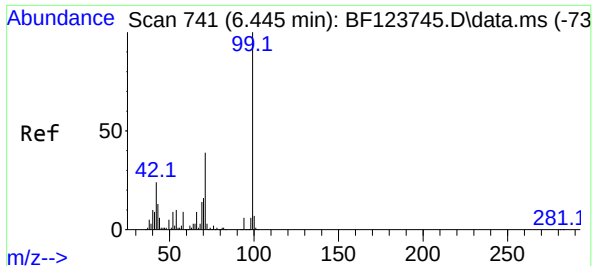
Tgt Ion:112 Resp: 912932  
Ion Ratio Lower Upper  
112 100  
64 76.6 61.4 92.0  
63 41.0 33.0 49.4



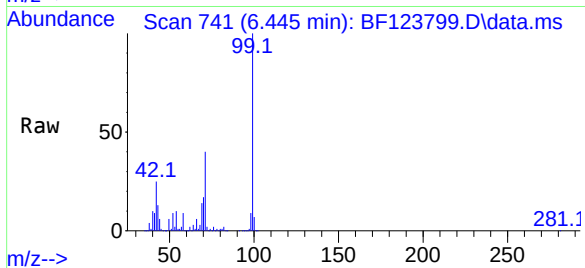
Instrument :  
BNA\_F  
ClientSampled :  
OR-02-043021

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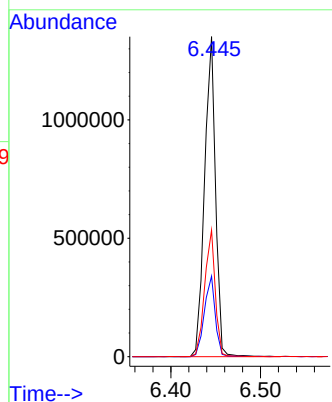


#7  
Phenol-d6  
Concen: 47.54 ng  
RT: 6.445 min Scan# 741  
Delta R.T. -0.000 min  
Lab File: BF123799.D  
Acq: 4 May 2021 1:58



Tgt Ion: 99 Resp: 1146542

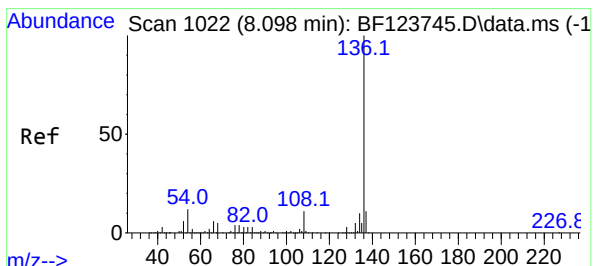
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 25.2  | 19.8  | 29.8  |
| 71  | 39.6  | 31.1  | 46.7  |



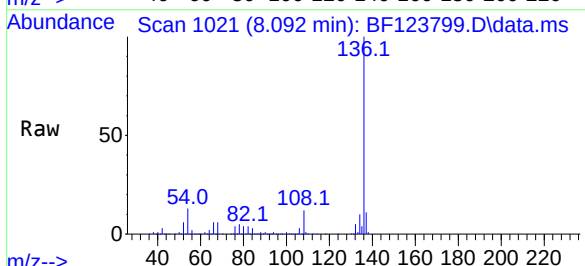
Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-043021

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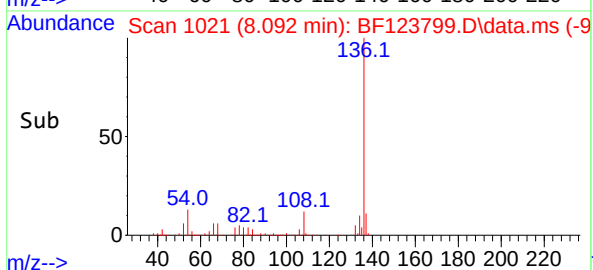
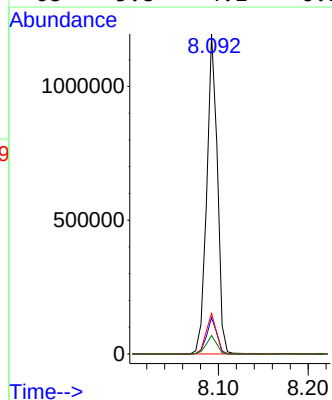


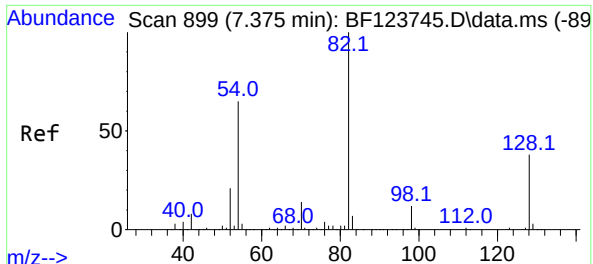
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.092 min Scan# 1021  
Delta R.T. -0.006 min  
Lab File: BF123799.D  
Acq: 4 May 2021 1:58



Tgt Ion: 136 Resp: 984364

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.3  | 8.7   | 13.1  |
| 54  | 12.7  | 9.8   | 14.6  |
| 68  | 5.8   | 4.1   | 6.1   |





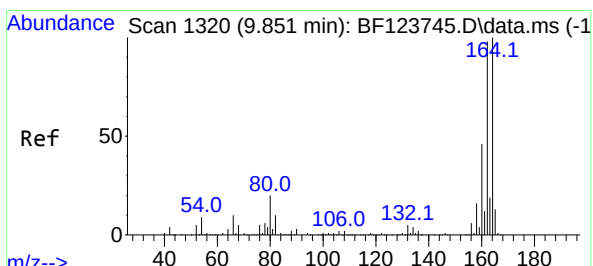
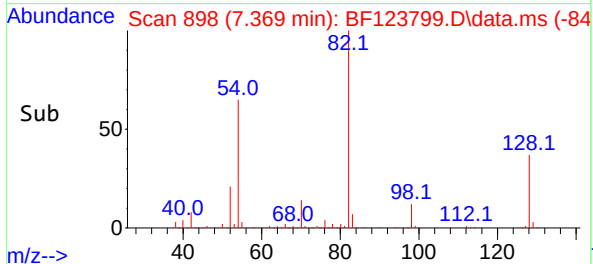
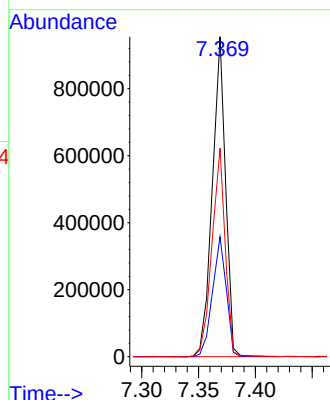
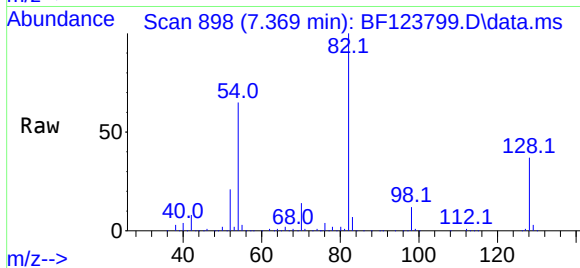
#23  
Nitrobenzene-d5  
Concen: 35.54 ng  
RT: 7.369 min Scan# 898  
Delta R.T. -0.006 min  
Lab File: BF123799.D  
Acq: 4 May 2021 1:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 774939 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 37.5  | 29.4  | 44.2   |
| 54       | 65.2  | 54.1  | 81.1   |

Instrument :  
BNA\_F  
ClientSampled :  
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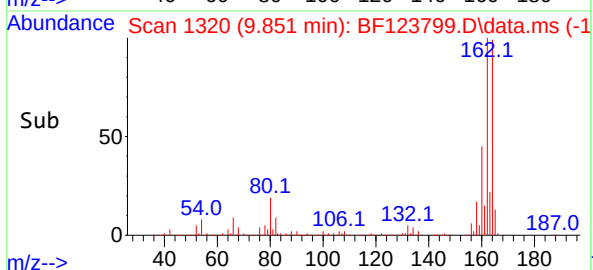
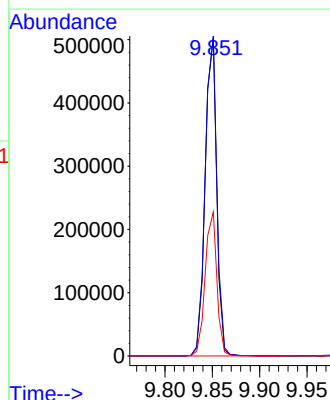
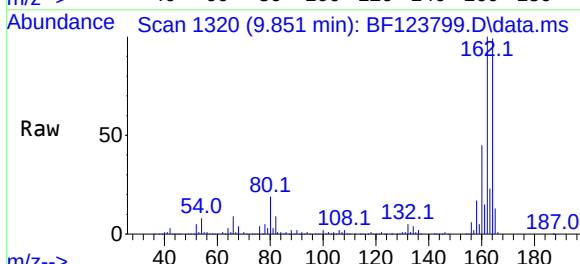
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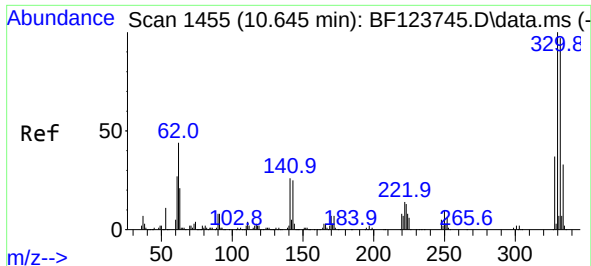
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#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.851 min Scan# 1320  
Delta R.T. 0.000 min  
Lab File: BF123799.D  
Acq: 4 May 2021 1:58

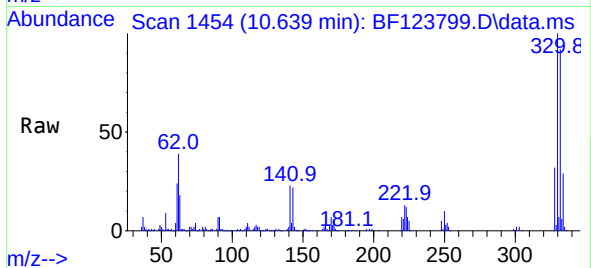
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 422567 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 162      | 100.7 | 80.7  | 121.1  |
| 160      | 45.3  | 37.3  | 55.9   |





#42  
2,4,6-Tribromophenol  
Concen: 45.15 ng  
RT: 10.639 min Scan# 1454  
Delta R.T. -0.006 min  
Lab File: BF123799.D  
Acq: 4 May 2021 1:58

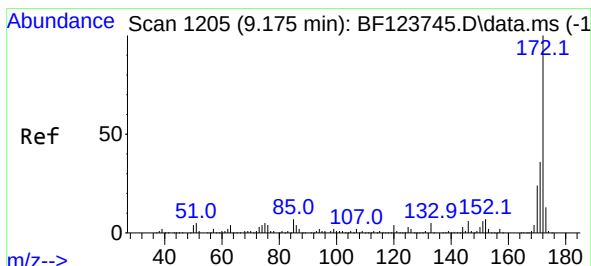
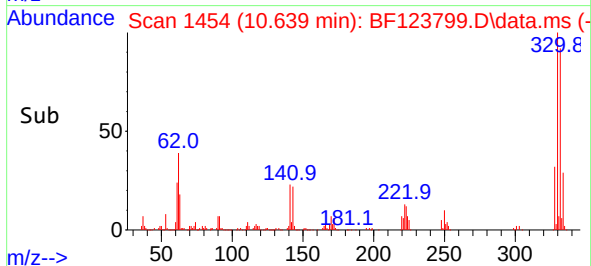
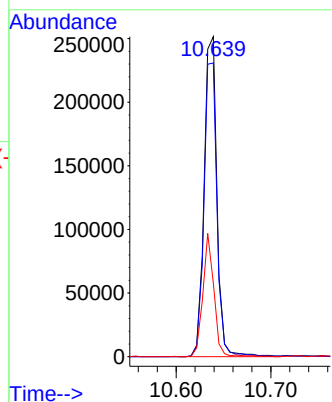
Instrument :  
BNA\_F  
ClientSampled :  
OR-02-043021



Tgt Ion: 330 Resp: 237527  
Ion Ratio Lower Upper  
330 100  
332 93.1 77.1 115.7  
141 33.3 27.9 41.9

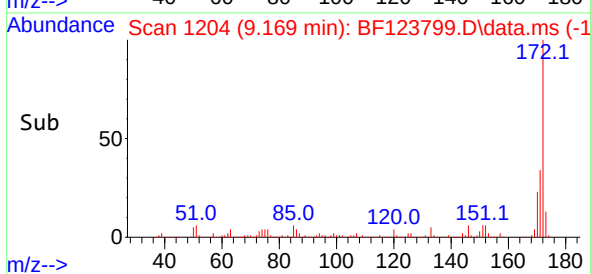
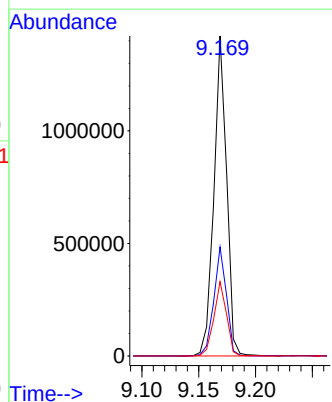
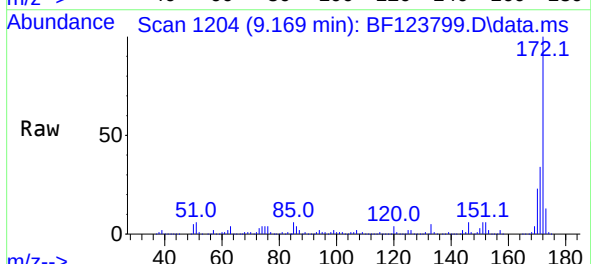
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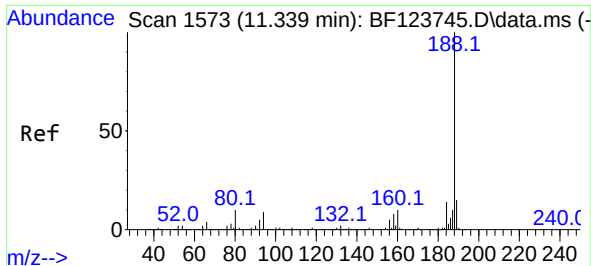
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#45  
2-Fluorobiphenyl  
Concen: 38.04 ng  
RT: 9.169 min Scan# 1204  
Delta R.T. -0.006 min  
Lab File: BF123799.D  
Acq: 4 May 2021 1:58

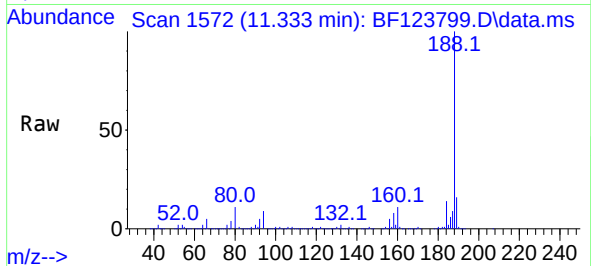
Tgt Ion: 172 Resp: 1103713  
Ion Ratio Lower Upper  
172 100  
171 34.1 28.1 42.1  
170 23.3 19.2 28.8





#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.333 min Scan# 1572  
Delta R.T. -0.006 min  
Lab File: BF123799.D  
Acq: 4 May 2021 1:58

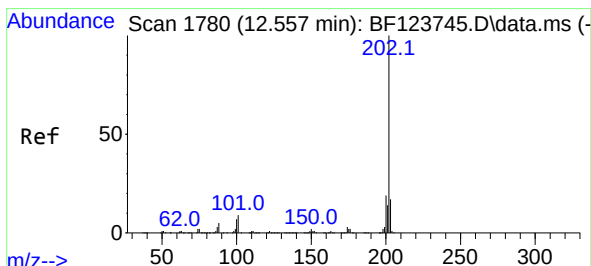
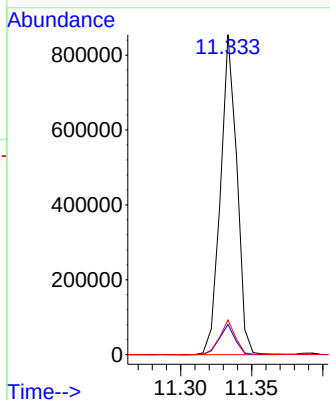
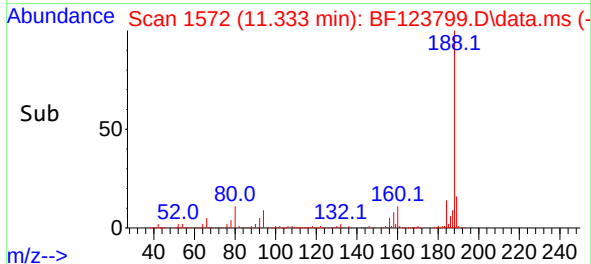
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BNA\_F  
ClientSampled :  
OR-02-043021



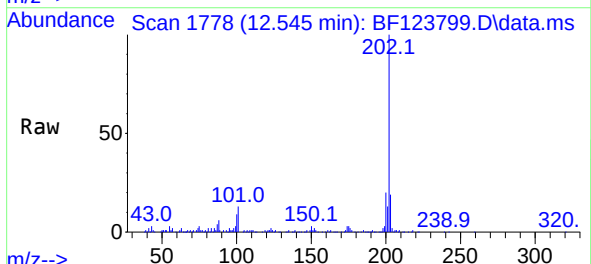
Tgt Ion:188 Resp: 683131  
Ion Ratio Lower Upper  
188 100  
94 9.5 6.9 10.3  
80 10.8 8.2 12.2

Manual Integrations  
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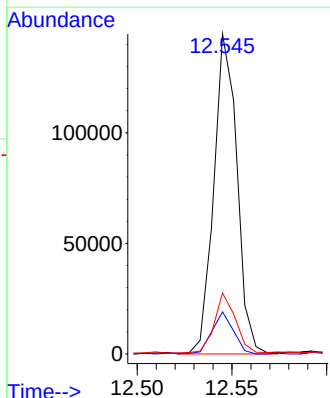
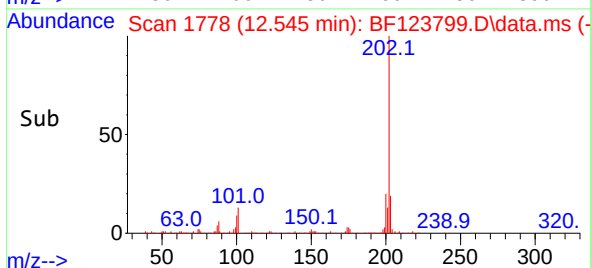
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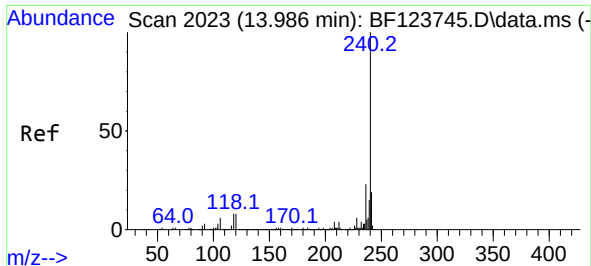


#75  
Fluoranthene  
Concen: 3.15 ng  
RT: 12.545 min Scan# 1778  
Delta R.T. -0.012 min  
Lab File: BF123799.D  
Acq: 4 May 2021 1:58

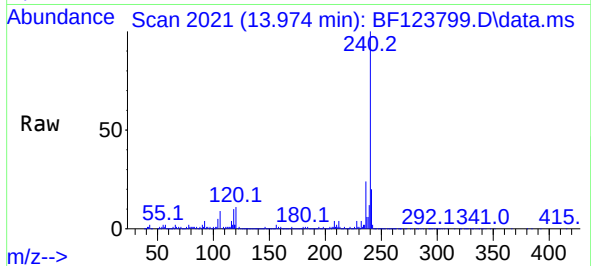


Tgt Ion:202 Resp: 123178  
Ion Ratio Lower Upper  
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101 13.2 0.0 30.9  
203 19.1 0.0 37.5

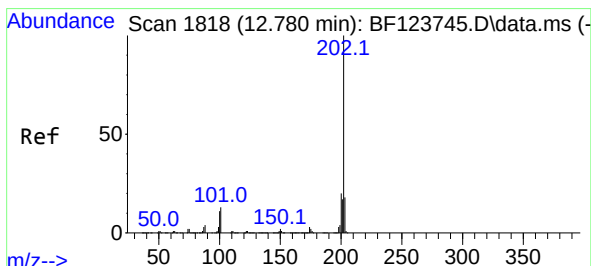
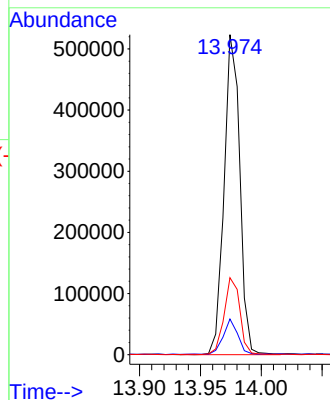
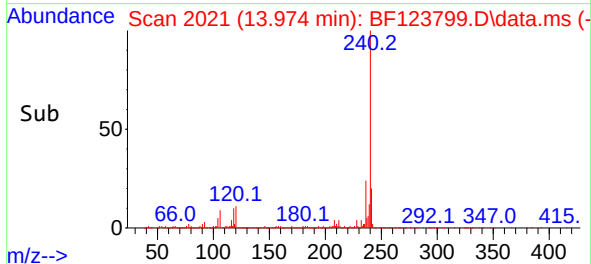




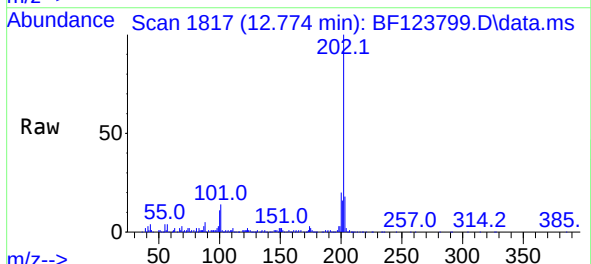
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Chrysene-d12  
Concen: 20.00 ng  
RT: 13.974 min Scan# 2021  
Delta R.T. -0.012 min  
Lab File: BF123799.D  
Acq: 4 May 2021 1:58



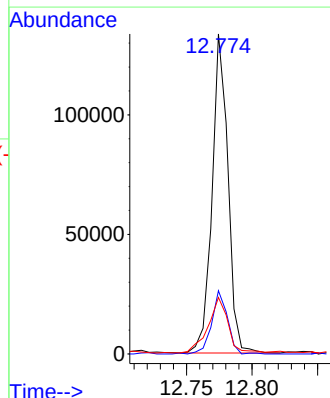
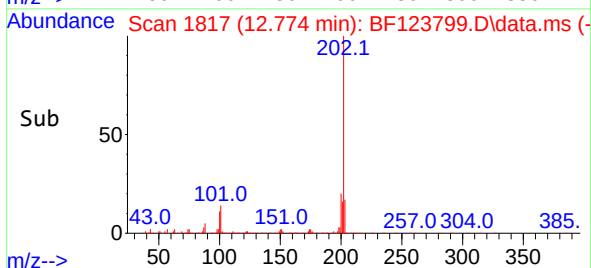
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Ion Ratio Lower Upper  
240 100  
120 11.2 7.2 10.8#  
236 24.1 19.0 28.4



#78  
Pyrene  
Concen: 3.08 ng  
RT: 12.774 min Scan# 1817  
Delta R.T. -0.006 min  
Lab File: BF123799.D  
Acq: 4 May 2021 1:58



Tgt Ion:202 Resp: 112333  
Ion Ratio Lower Upper  
202 100  
200 19.8 16.1 24.1  
203 17.6 14.8 22.2

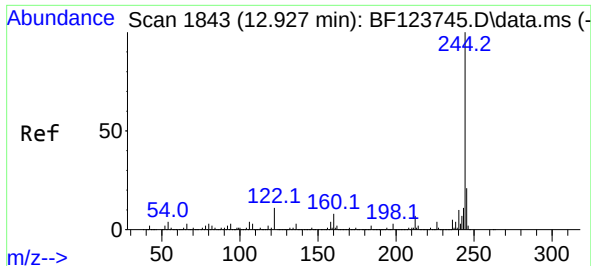


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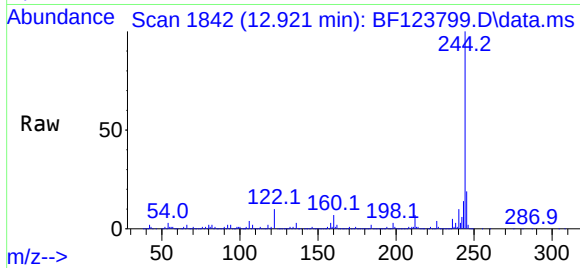
Manual Integrations  
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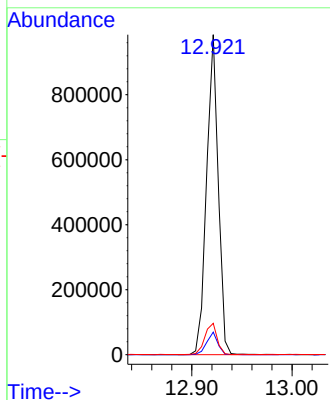
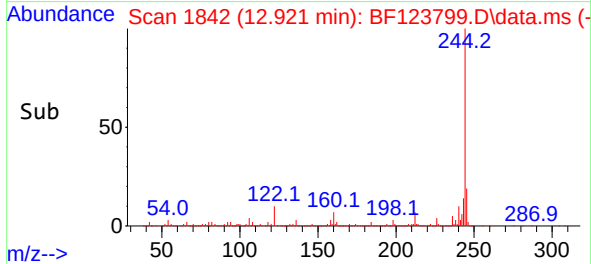




#79  
Terphenyl-d14  
Concen: 32.76 ng  
RT: 12.921 min Scan# 1842  
Delta R.T. -0.006 min  
Lab File: BF123799.D  
Acq: 4 May 2021 1:58



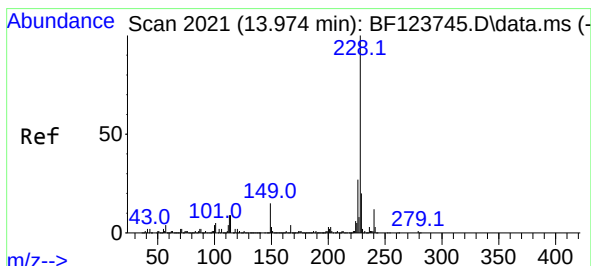
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Ion Ratio Lower Upper  
244 100  
212 7.0 5.7 8.5  
122 9.8 9.7 14.5



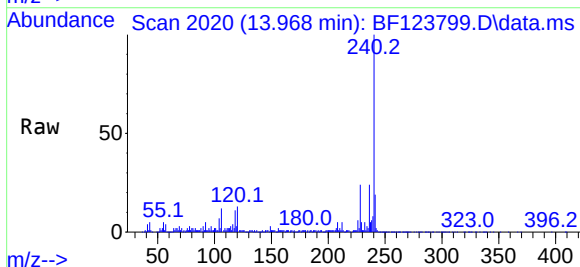
Instrument :  
BNA\_F  
ClientSampled :  
OR-02-043021

Manual Integrations  
APPROVED

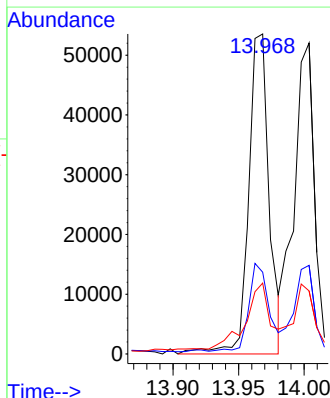
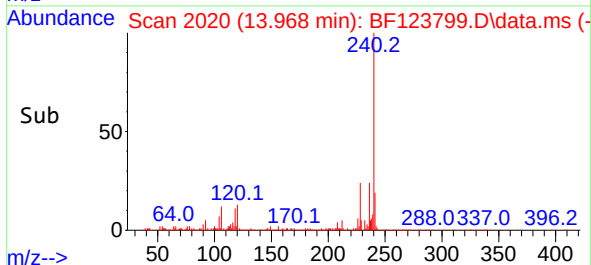
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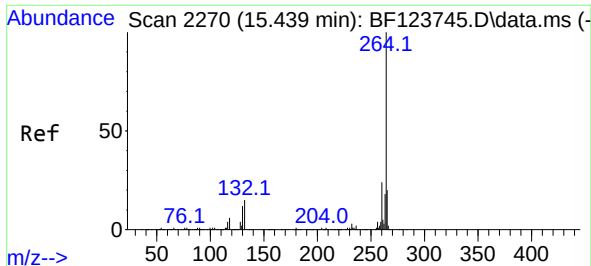


#81  
Benzo(a)anthracene  
Concen: 2.05 ng  
RT: 13.968 min Scan# 2020  
Delta R.T. -0.006 min  
Lab File: BF123799.D  
Acq: 4 May 2021 1:58



Tgt Ion:228 Resp: 58272  
Ion Ratio Lower Upper  
228 100  
226 25.5 22.4 33.6  
229 22.1 16.0 24.0





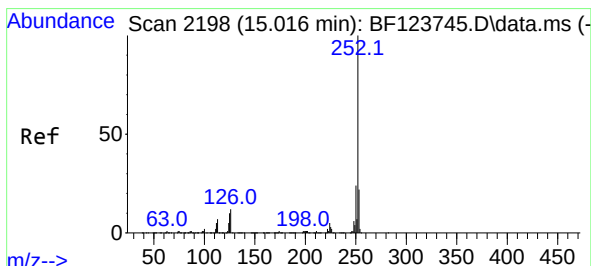
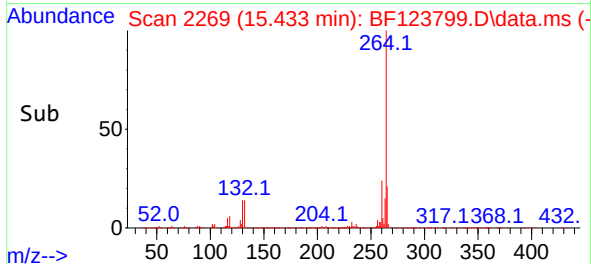
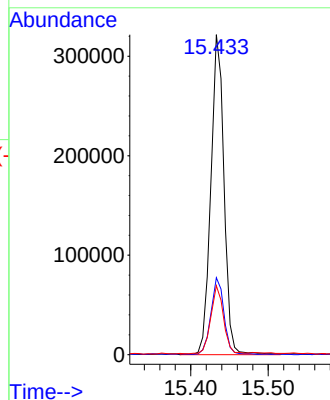
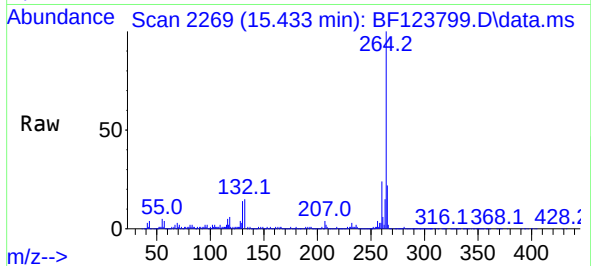
#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.433 min Scan# 2269  
Delta R.T. -0.006 min  
Lab File: BF123799.D  
Acq: 4 May 2021 1:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 379977 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 24.0  | 18.7  | 28.1   |
| 265       | 21.6  | 17.8  | 26.8   |

Instrument :  
BNA\_F  
ClientSampleId :  
OR-02-043021

Manual Integrations  
APPROVED

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#88  
Benzo(b)fluoranthene  
Concen: 2.37 ng m  
RT: 15.010 min Scan# 2197  
Delta R.T. -0.006 min  
Lab File: BF123799.D  
Acq: 4 May 2021 1:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 60723 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 20.6  | 18.1  | 27.1  |
| 125       | 17.2  | 6.2   | 9.4#  |

