

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050321\  
 Data File : BF123797.D  
 Acq On : 4 May 2021 00:55  
 Operator : JU/CG  
 Sample : M2242-01 2X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 STOCK-PILE

Manual Integrations  
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Quant Time: May 04 01:46:49 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  | 293432   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.092  | 136  | 1016617  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.845  | 164  | 410682   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.333 | 188  | 604212   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.974 | 240  | 459649   | 20.00 | ng    | #-0.01   |
| 86) Perylene-d12            | 15.433 | 264  | 351939   | 20.00 | ng    | 0.00     |
|                             |        |      |          |       |       |          |
| System Monitoring Compounds |        |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.428  | 112  | 815218   | 44.01 | ng    | 0.00     |
| 7) Phenol-d6                | 6.445  | 99   | 1042768  | 40.87 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.369  | 82   | 707735   | 31.43 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.633 | 330  | 171465   | 33.54 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.169  | 172  | 1016253  | 36.04 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.921 | 244  | 688143   | 28.83 | ng    | 0.00     |
|                             |        |      |          |       |       |          |
| Target Compounds            |        |      |          |       |       | Qvalue   |
| 75) Fluoranthene            | 12.545 | 202  | 218157   | 6.31  | ng    | 98       |
| 78) Pyrene                  | 12.774 | 202  | 210311   | 5.89  | ng    | 97       |
| 81) Benzo(a)anthracene      | 13.968 | 228  | 125371   | 4.50  | ng    | 94       |
| 83) Chrysene                | 14.004 | 228  | 140541   | 5.02  | ng    | 95       |
| 87) Indeno(1,2,3-cd)pyrene  | 16.874 | 276  | 102205   | 4.99  | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 15.015 | 252  | 199936m  | 8.43  | ng    |          |
| 89) Benzo(k)fluoranthene    | 15.039 | 252  | 69529m   | 3.07  | ng    |          |
| 90) Benzo(a)pyrene          | 15.374 | 252  | 125506   | 6.19  | ng    | 99       |
| 92) Benzo(g,h,i)perylene    | 17.309 | 276  | 108716   | 6.27  | ng    | # 92     |
| -----                       |        |      |          |       |       |          |

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

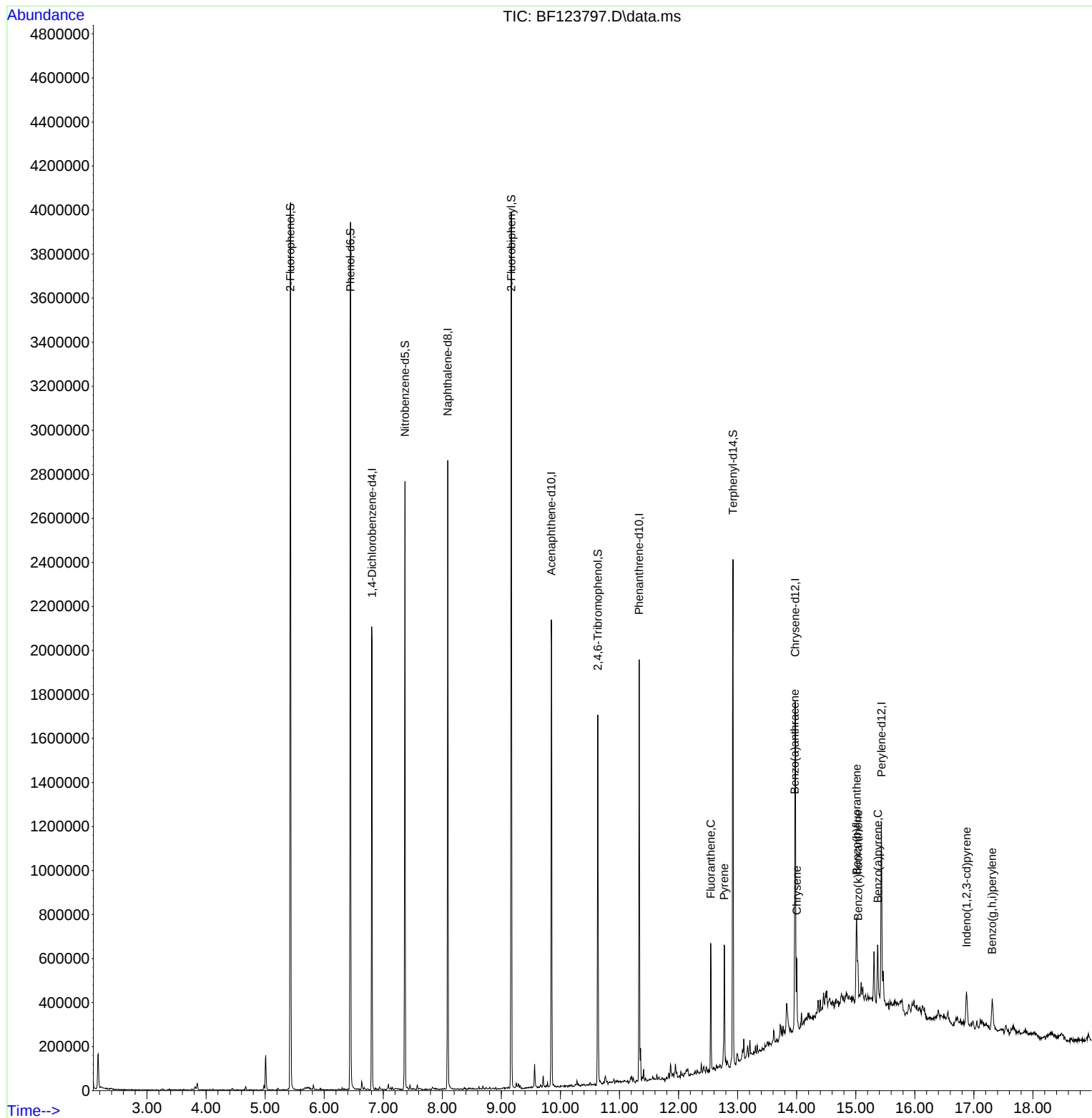
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050321\  
Data File : BF123797.D  
Acq On : 4 May 2021 00:55  
Operator : JU/CG  
Sample : M2242-01 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
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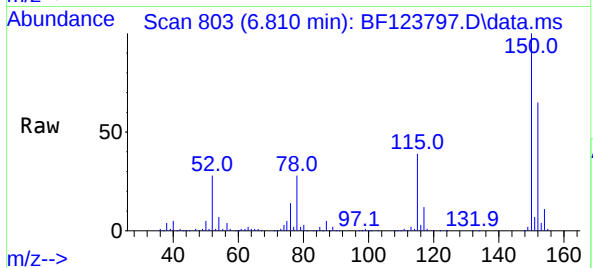
Quant Time: May 04 01:46:49 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF042721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Apr 27 16:30:39 2021  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.810 min Scan# 803  
Delta R.T. -0.000 min  
Lab File: BF123797.D  
Acq: 4 May 2021 00:55

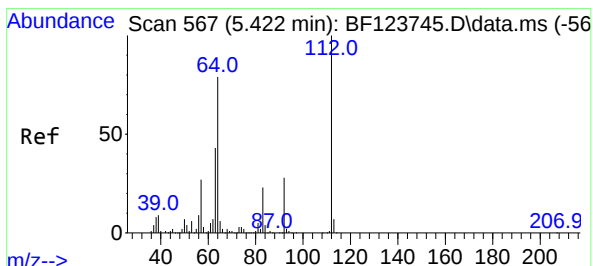
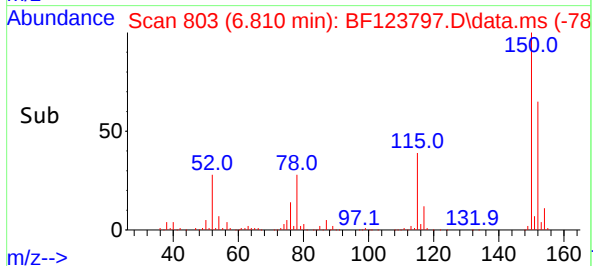
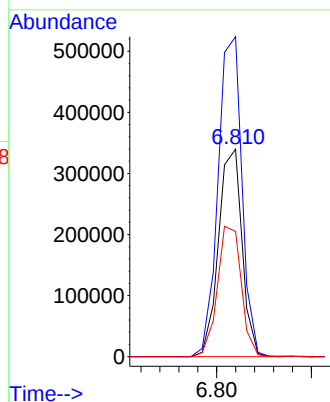
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILE



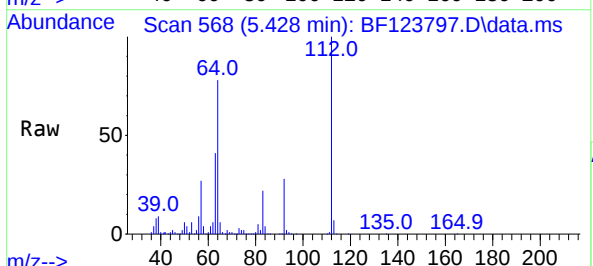
Tgt Ion:152 Resp: 293432  
Ion Ratio Lower Upper  
152 100  
150 154.2 127.0 190.6  
115 60.4 54.3 81.5

Manual Integrations  
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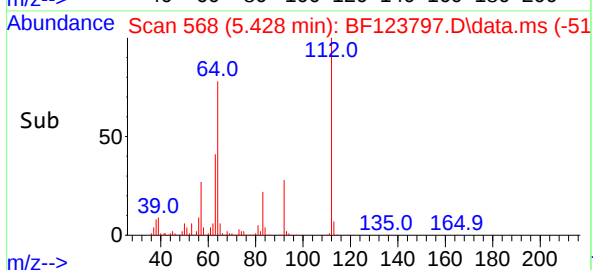
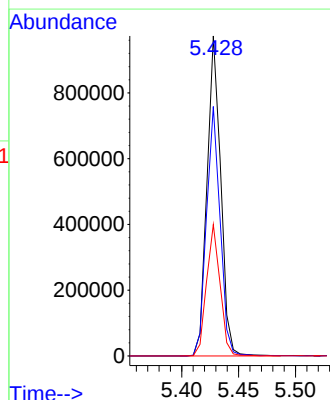
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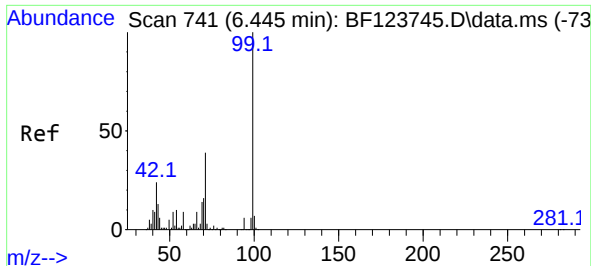


#5  
2-Fluorophenol  
Concen: 44.01 ng  
RT: 5.428 min Scan# 568  
Delta R.T. 0.006 min  
Lab File: BF123797.D  
Acq: 4 May 2021 00:55



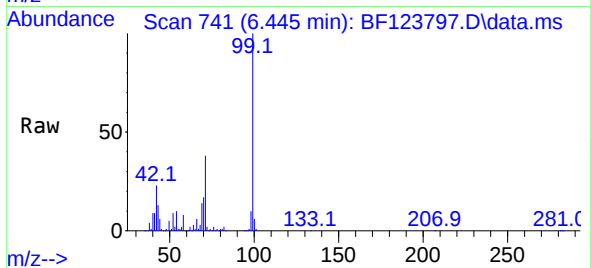
Tgt Ion:112 Resp: 815218  
Ion Ratio Lower Upper  
112 100  
64 77.9 61.4 92.0  
63 41.1 33.0 49.4





#7  
Phenol-d6  
Concen: 40.87 ng  
RT: 6.445 min Scan# 741  
Delta R.T. -0.000 min  
Lab File: BF123797.D  
Acq: 4 May 2021 00:55

Instrument :  
BNA\_F  
ClientSampleId :  
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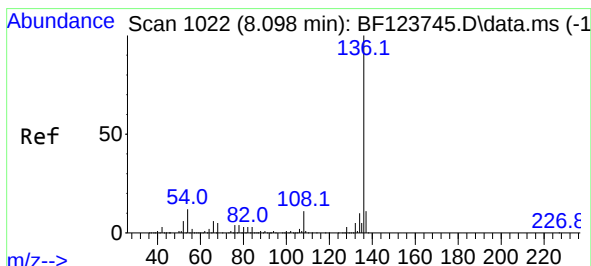
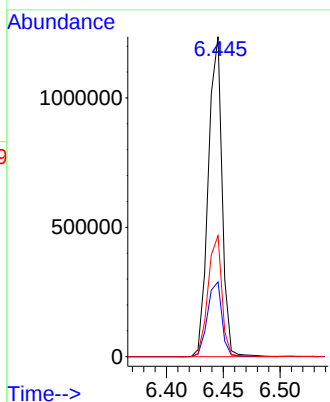
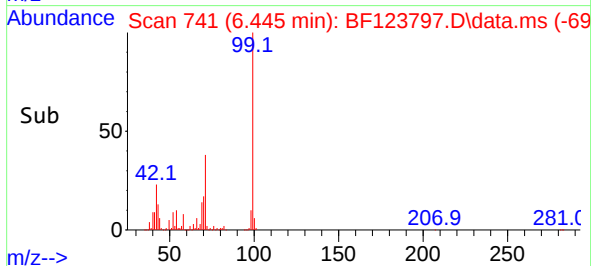


Tgt Ion: 99 Resp: 1042768

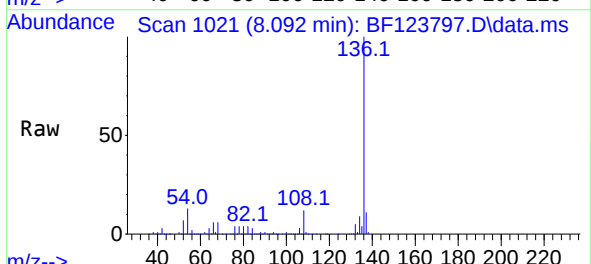
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 23.4  | 19.8  | 29.8  |
| 71  | 37.8  | 31.1  | 46.7  |

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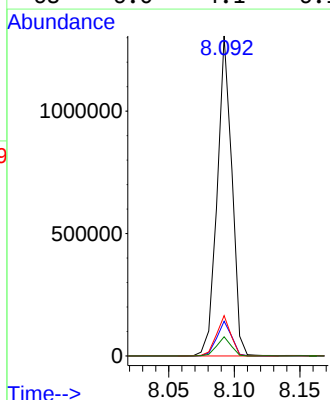
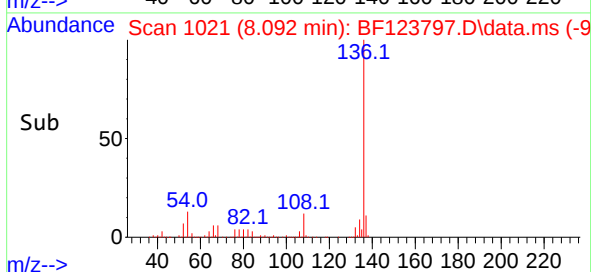


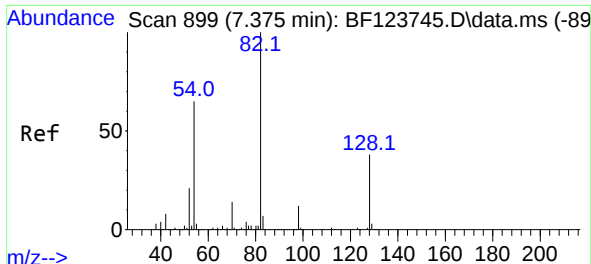
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.092 min Scan# 1021  
Delta R.T. -0.006 min  
Lab File: BF123797.D  
Acq: 4 May 2021 00:55



Tgt Ion: 136 Resp: 1016617

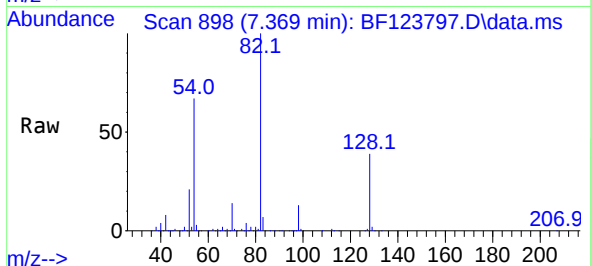
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.7   | 13.1  |
| 54  | 12.6  | 9.8   | 14.6  |
| 68  | 6.0   | 4.1   | 6.1   |





#23  
Nitrobenzene-d5  
Concen: 31.43 ng  
RT: 7.369 min Scan# 898  
Delta R.T. -0.006 min  
Lab File: BF123797.D  
Acq: 4 May 2021 00:55

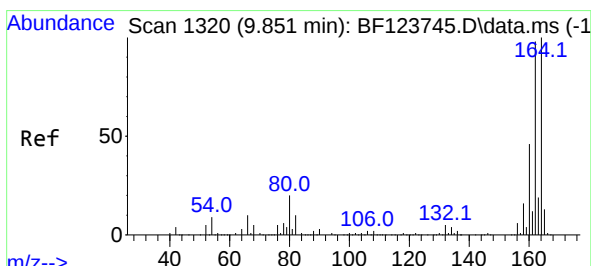
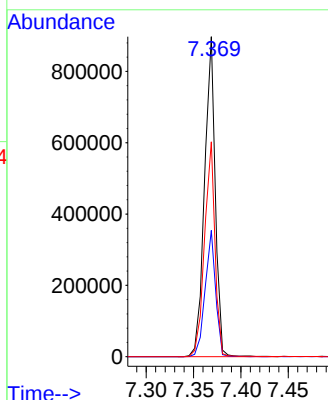
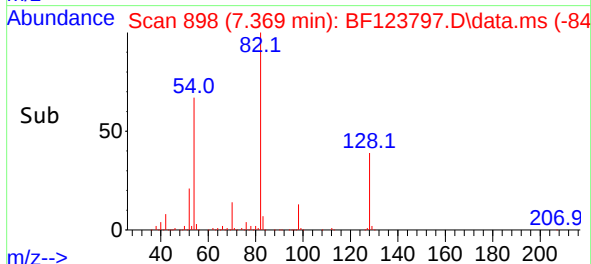
Instrument :  
BNA\_F  
ClientSampleId :  
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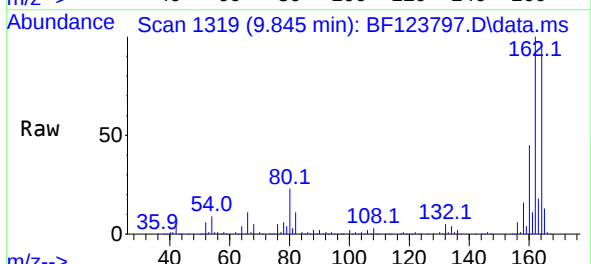
Tgt Ion: 82 Resp: 707735  
Ion Ratio Lower Upper  
82 100  
128 39.5 29.4 44.2  
54 67.2 54.1 81.1

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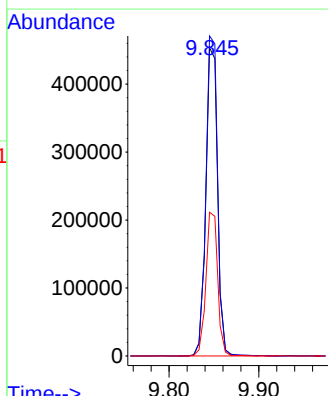
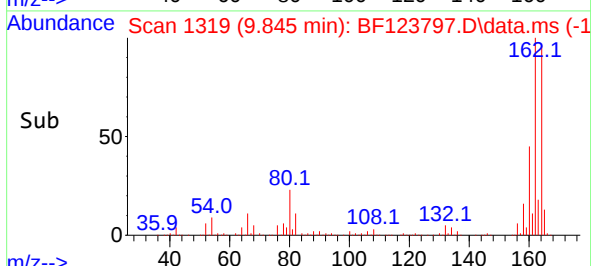
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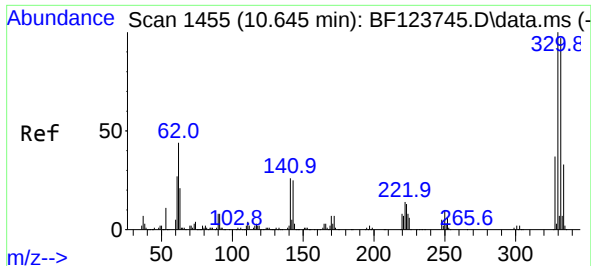


#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.845 min Scan# 1319  
Delta R.T. -0.006 min  
Lab File: BF123797.D  
Acq: 4 May 2021 00:55



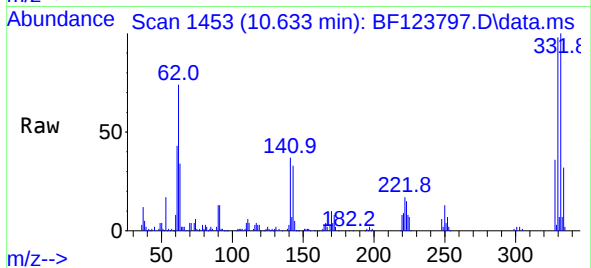
Tgt Ion: 164 Resp: 410682  
Ion Ratio Lower Upper  
164 100  
162 103.8 80.7 121.1  
160 46.6 37.3 55.9





#42  
2,4,6-Tribromophenol  
Concen: 33.54 ng  
RT: 10.633 min Scan# 1453  
Delta R.T. -0.012 min  
Lab File: BF123797.D  
Acq: 4 May 2021 00:55

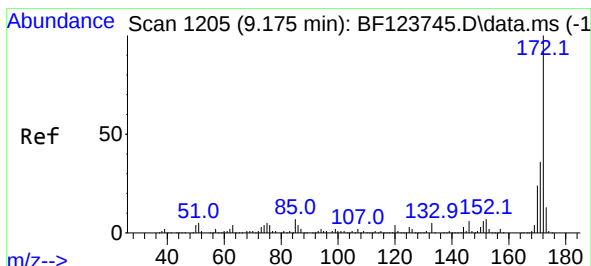
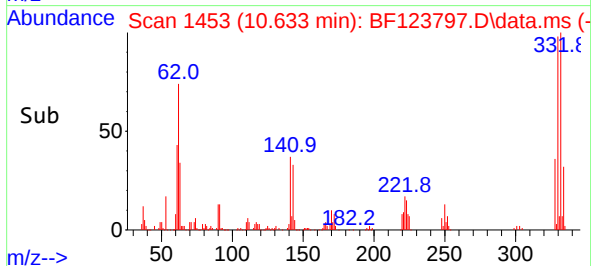
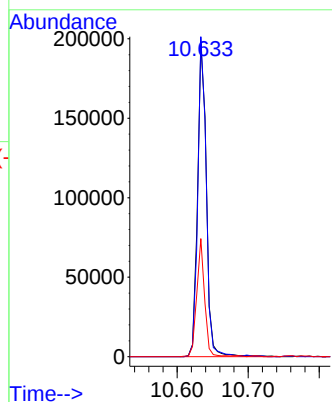
Instrument :  
BNA\_F  
ClientSampleId :  
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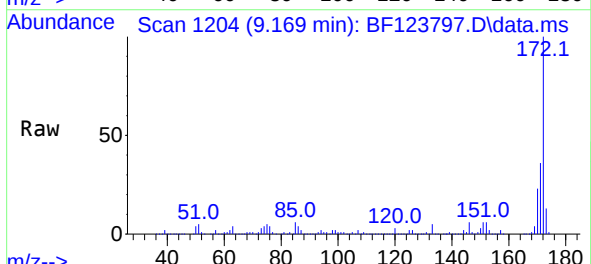
Tgt Ion:330 Resp: 171465  
Ion Ratio Lower Upper  
330 100  
332 97.4 77.1 115.7  
141 33.5 27.9 41.9

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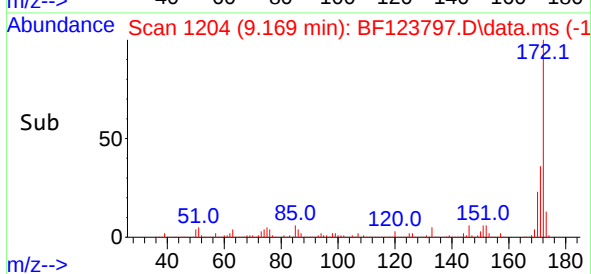
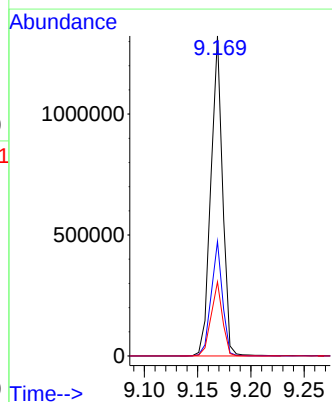
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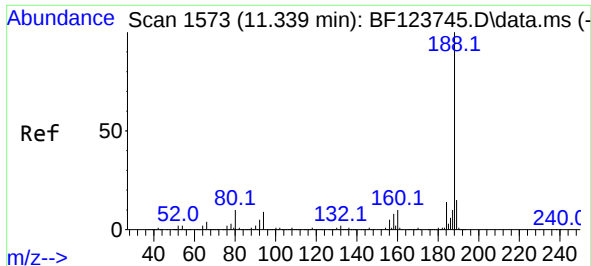


#45  
2-Fluorobiphenyl  
Concen: 36.04 ng  
RT: 9.169 min Scan# 1204  
Delta R.T. -0.006 min  
Lab File: BF123797.D  
Acq: 4 May 2021 00:55



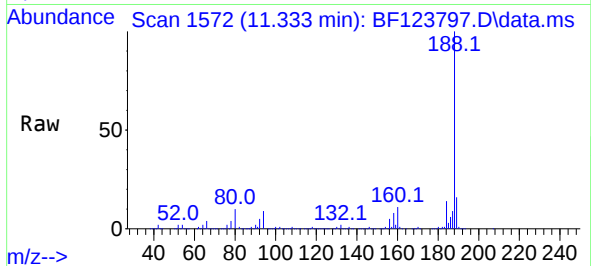
Tgt Ion:172 Resp: 1016253  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.1 42.1  
170 23.2 19.2 28.8





#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.333 min Scan# 1572  
Delta R.T. -0.006 min  
Lab File: BF123797.D  
Acq: 4 May 2021 00:55

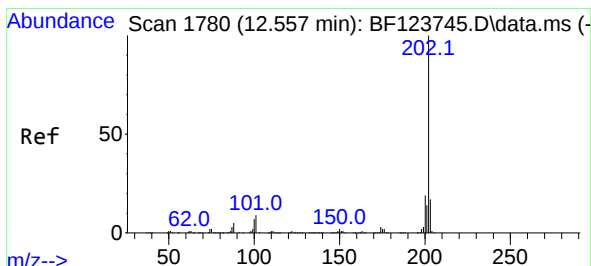
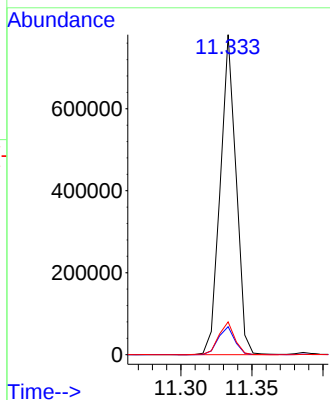
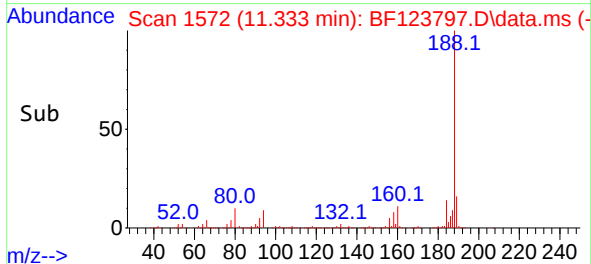
Instrument :  
BNA\_F  
ClientSampleId :  
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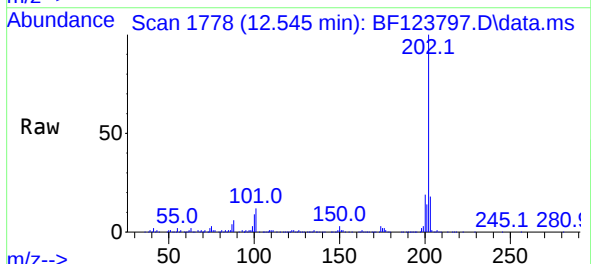
Tgt Ion:188 Resp: 604212  
Ion Ratio Lower Upper  
188 100  
94 8.8 6.9 10.3  
80 10.2 8.2 12.2

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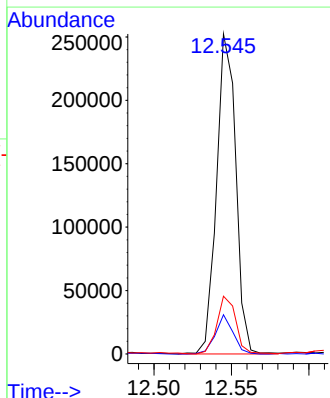
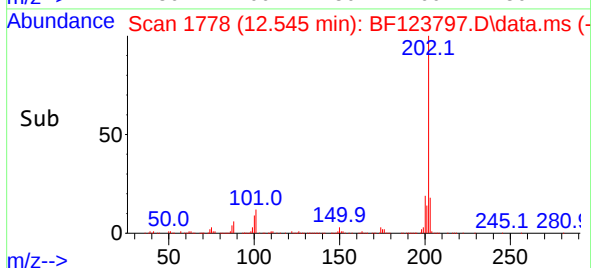
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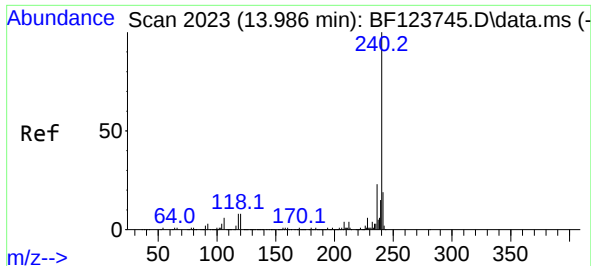


#75  
Fluoranthene  
Concen: 6.31 ng  
RT: 12.545 min Scan# 1778  
Delta R.T. -0.012 min  
Lab File: BF123797.D  
Acq: 4 May 2021 00:55



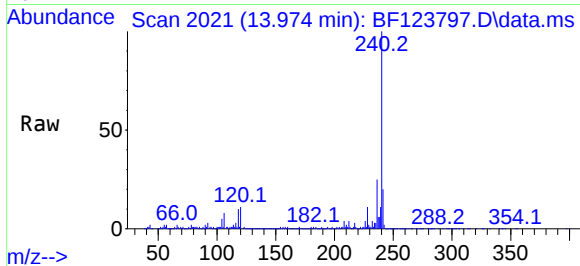
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Ion Ratio Lower Upper  
202 100  
101 12.2 0.0 30.9  
203 18.0 0.0 37.5





#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.974 min Scan# 2021  
Delta R.T. -0.012 min  
Lab File: BF123797.D  
Acq: 4 May 2021 00:55

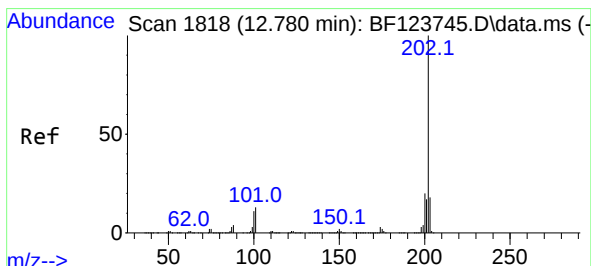
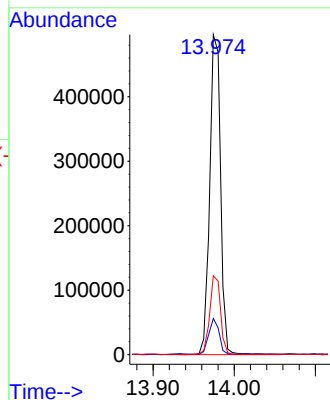
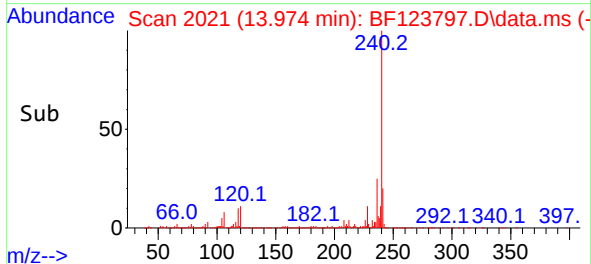
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILE



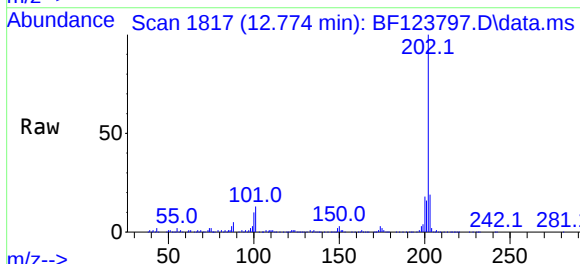
Tgt Ion:240 Resp: 459649  
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240 100  
120 11.3 7.2 10.8#  
236 24.7 19.0 28.4

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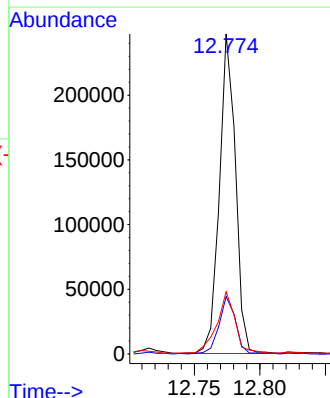
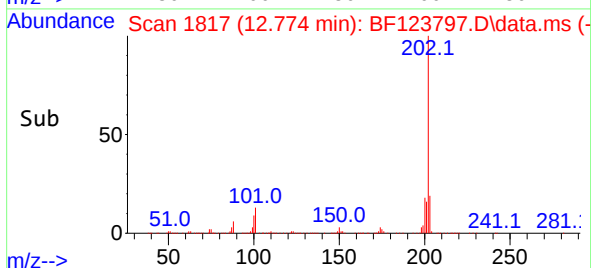
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5/4/2021 2:58:25 PM

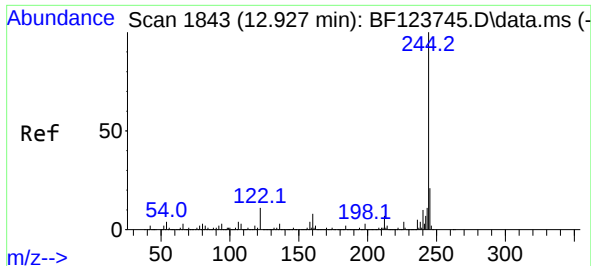


#78  
Pyrene  
Concen: 5.89 ng  
RT: 12.774 min Scan# 1817  
Delta R.T. -0.006 min  
Lab File: BF123797.D  
Acq: 4 May 2021 00:55



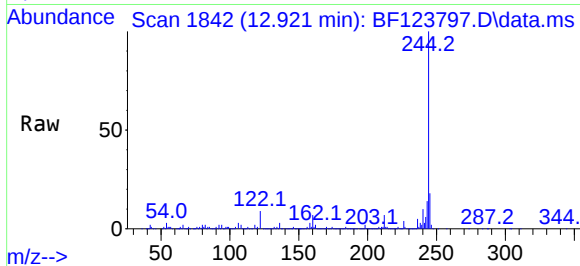
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Ion Ratio Lower Upper  
202 100  
200 18.0 16.1 24.1  
203 19.5 14.8 22.2





#79  
Terphenyl-d14  
Concen: 28.83 ng  
RT: 12.921 min Scan# 1842  
Delta R.T. -0.006 min  
Lab File: BF123797.D  
Acq: 4 May 2021 00:55

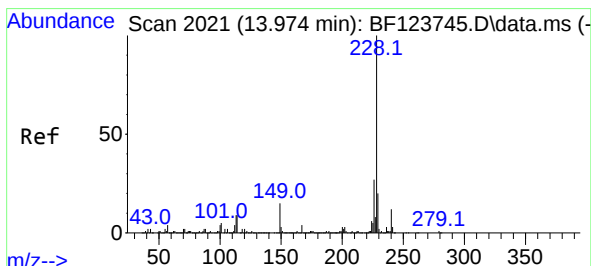
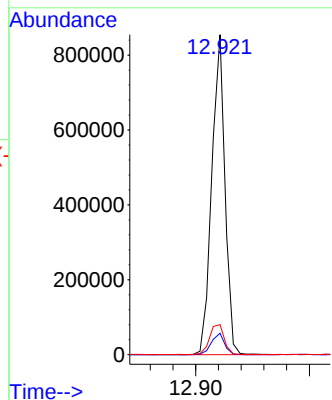
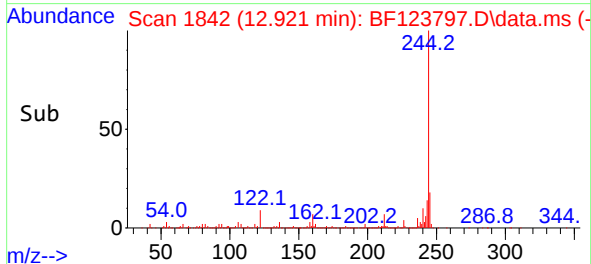
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BNA\_F  
ClientSampleId :  
STOCK-PILE



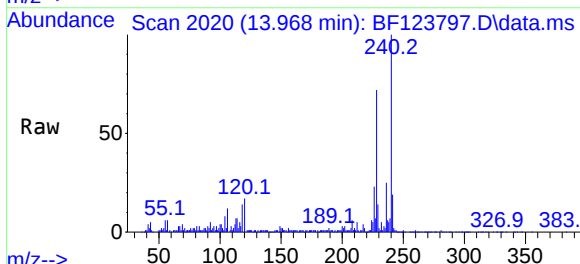
Tgt Ion:244 Resp: 688143  
Ion Ratio Lower Upper  
244 100  
212 6.7 5.7 8.5  
122 9.4 9.7 14.5#

Manual Integrations  
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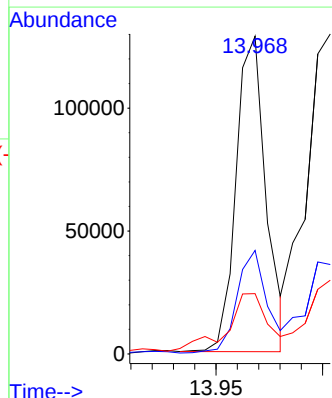
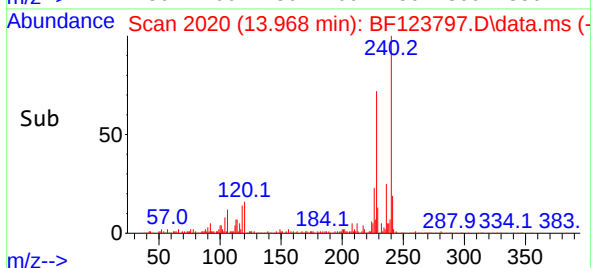
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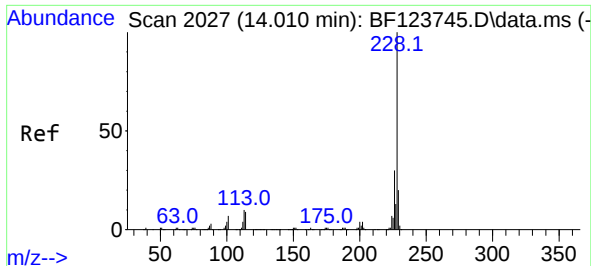


#81  
Benzo(a)anthracene  
Concen: 4.50 ng  
RT: 13.968 min Scan# 2020  
Delta R.T. -0.006 min  
Lab File: BF123797.D  
Acq: 4 May 2021 00:55



Tgt Ion:228 Resp: 125371  
Ion Ratio Lower Upper  
228 100  
226 32.6 22.4 33.6  
229 19.0 16.0 24.0





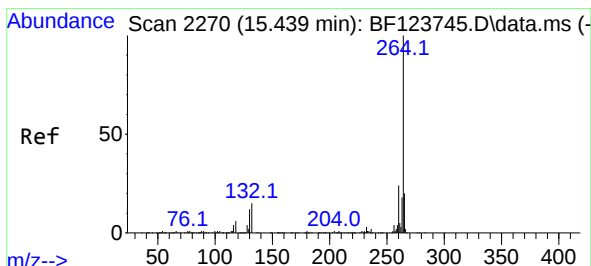
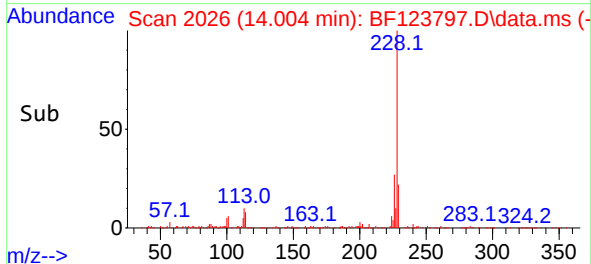
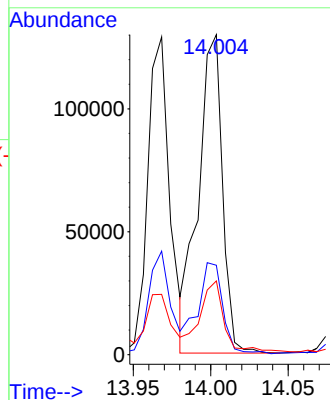
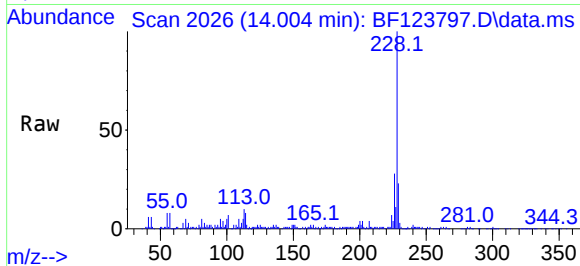
#83  
Chrysene  
Concen: 5.02 ng  
RT: 14.004 min Scan# 2026  
Delta R.T. -0.006 min  
Lab File: BF123797.D  
Acq: 4 May 2021 00:55

Tgt Ion:228 Resp: 140541  
Ion Ratio Lower Upper  
228 100  
226 28.0 24.3 36.5  
229 23.0 16.2 24.2

Instrument :  
BNA\_F  
ClientSampleId :  
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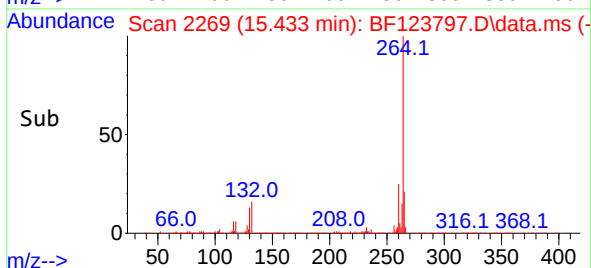
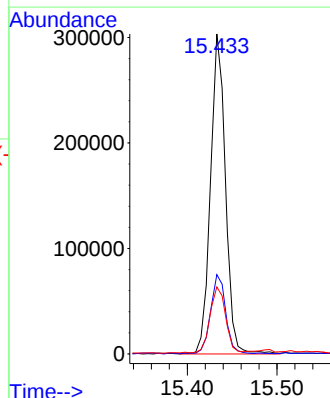
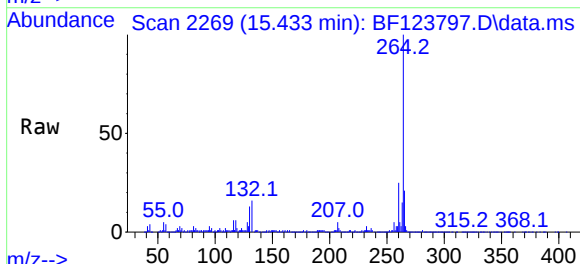
Manual Integrations  
APPROVED

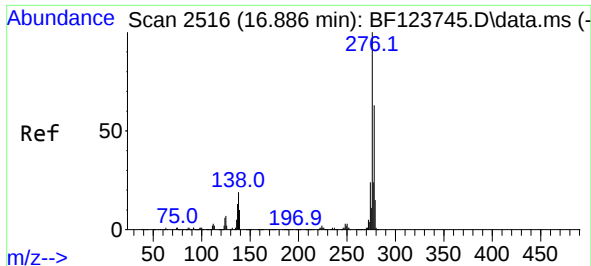
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#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.433 min Scan# 2269  
Delta R.T. -0.006 min  
Lab File: BF123797.D  
Acq: 4 May 2021 00:55

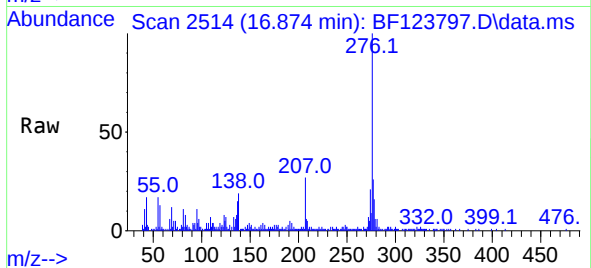
Tgt Ion:264 Resp: 351939  
Ion Ratio Lower Upper  
264 100  
260 24.8 18.7 28.1  
265 20.9 17.8 26.8





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 4.99 ng  
RT: 16.874 min Scan# 2514  
Delta R.T. -0.012 min  
Lab File: BF123797.D  
Acq: 4 May 2021 00:55

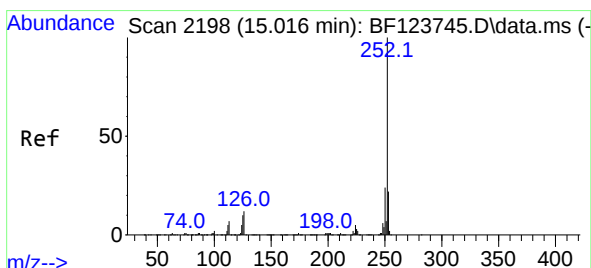
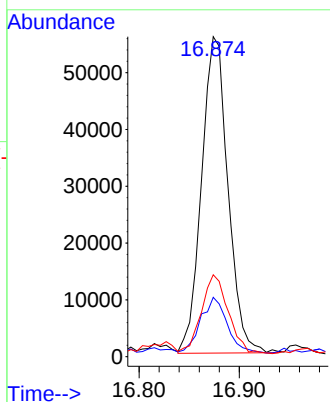
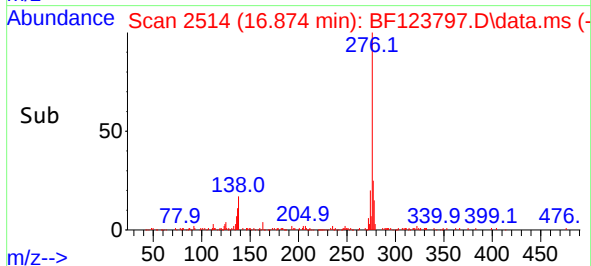
Instrument :  
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ClientSampleId :  
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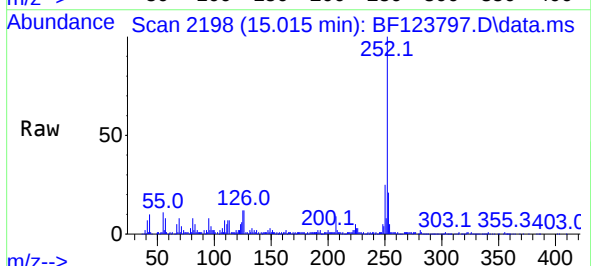
Tgt Ion:276 Resp: 102205  
Ion Ratio Lower Upper  
276 100  
138 18.0 16.2 24.2  
277 25.4 20.1 30.1

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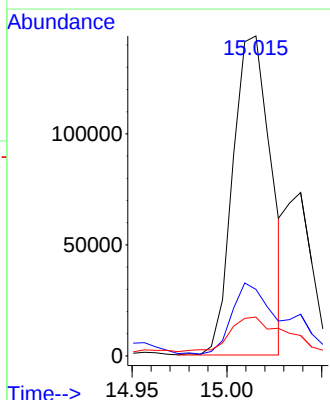
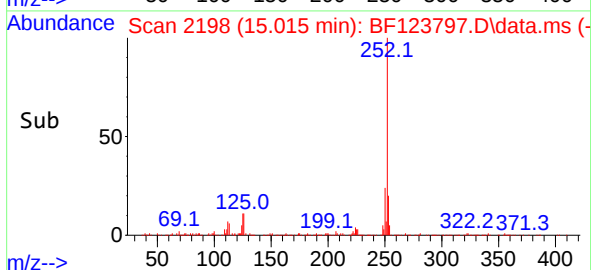
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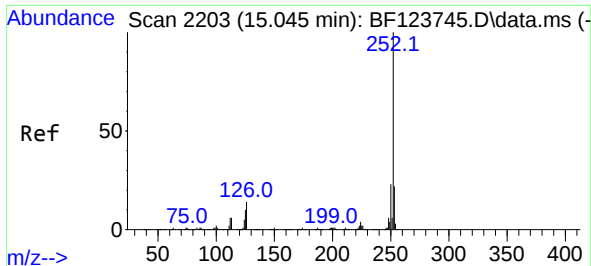


#88  
Benzo(b)fluoranthene  
Concen: 8.43 ng m  
RT: 15.015 min Scan# 2198  
Delta R.T. -0.000 min  
Lab File: BF123797.D  
Acq: 4 May 2021 00:55



Tgt Ion:252 Resp: 199936  
Ion Ratio Lower Upper  
252 100  
253 20.8 18.1 27.1  
125 12.1 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 3.07 ng m

RT: 15.039 min Scan# 2202

Delta R.T. -0.006 min

Lab File: BF123797.D

Acq: 4 May 2021 00:55

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 69529 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 25.6  | 17.9  | 26.9  |
| 125       | 12.6  | 7.0   | 10.6# |

Instrument :

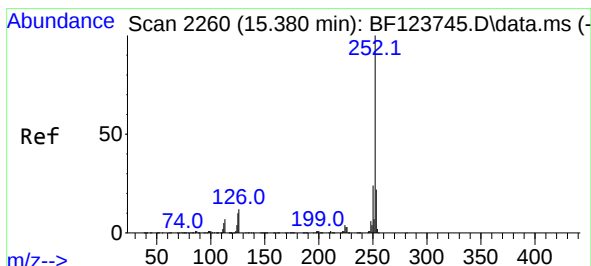
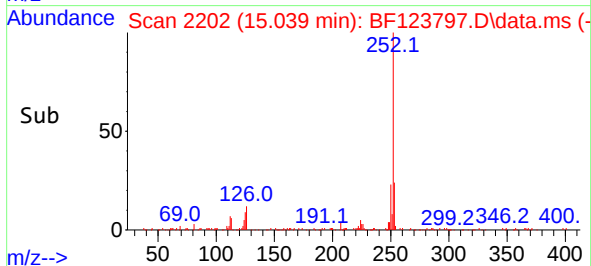
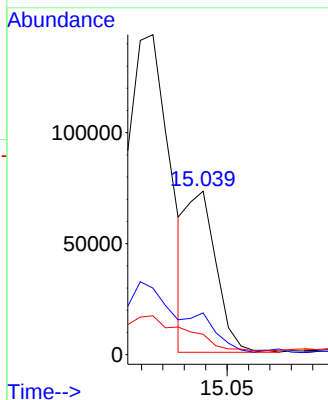
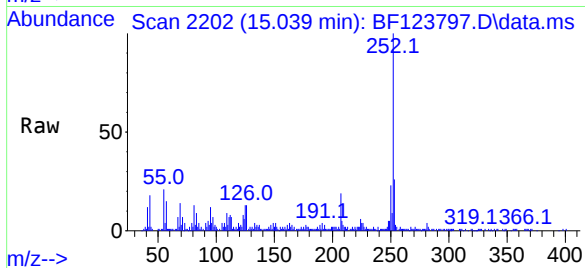
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ClientSampled :

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#90

Benzo(a)pyrene

Concen: 6.19 ng

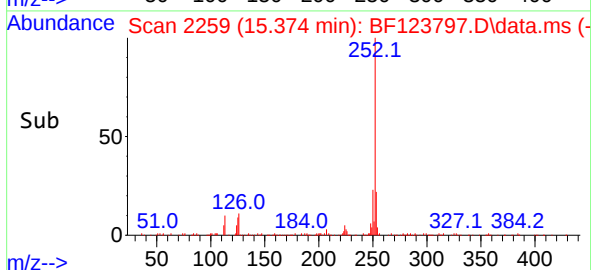
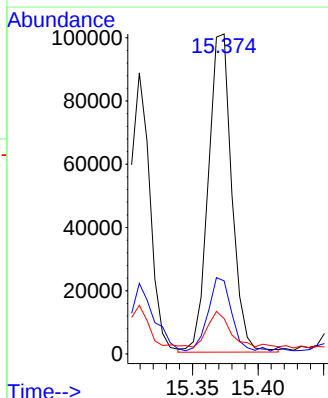
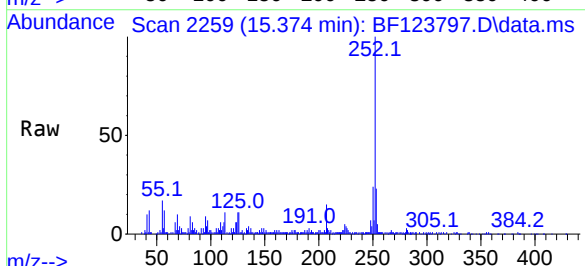
RT: 15.374 min Scan# 2259

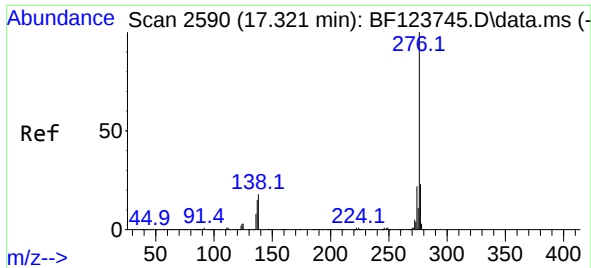
Delta R.T. -0.006 min

Lab File: BF123797.D

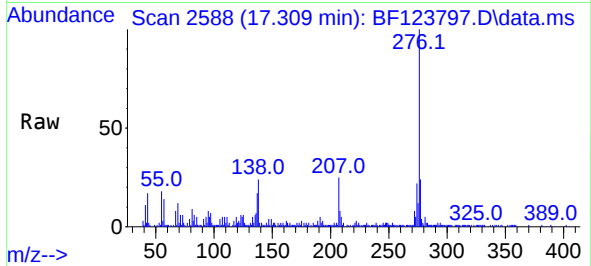
Acq: 4 May 2021 00:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 125506 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.9  | 18.4  | 27.6   |
| 125       | 11.1  | 8.0   | 12.0   |

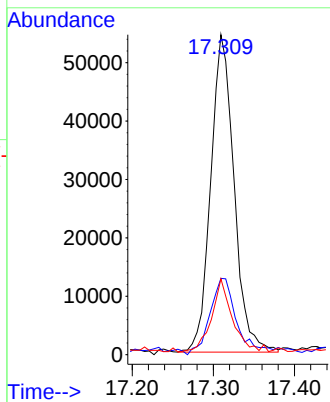
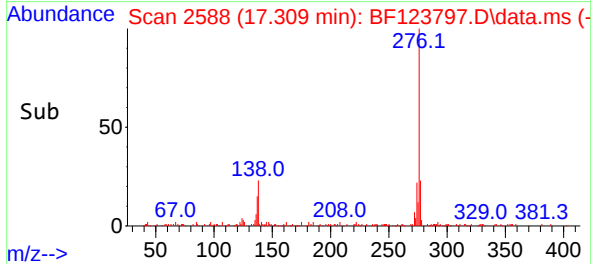




#92  
Benzo(g,h,i)perylene  
Concen: 6.27 ng  
RT: 17.309 min Scan# 2588  
Delta R.T. -0.012 min  
Lab File: BF123797.D  
Acq: 4 May 2021 00:55



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.8  | 18.2  | 27.2  |
| 138     | 23.7  | 13.8  | 20.6  |



Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILE

Manual Integrations  
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