

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080721\  
 Data File : BF124987.D  
 Acq On : 7 Aug 2021 22:15  
 Operator : JU/CG  
 Sample : M3293-07 2X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 2071

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Quant Time: Aug 08 09:11:24 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF080421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 06 11:27:24 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.828  | 152  | 6383     | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.110  | 136  | 23764    | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.869  | 164  | 11652    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.368 | 188  | 17915    | 20.000 | ng    | # 0.02   |
| 76) Chrysene-d12              | 14.004 | 240  | 14810    | 20.000 | ng    | 0.01     |
| 86) Perylene-d12              | 15.456 | 264  | 10607    | 20.000 | ng    | 0.01     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.439  | 112  | 15228    | 39.081 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.457  | 99   | 17632    | 35.886 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.386  | 82   | 11466    | 25.241 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.663 | 330  | 3539     | 33.997 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.186  | 172  | 18799    | 23.607 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.962 | 244  | 14369    | 16.366 | ng    | 0.02     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene              | 11.398 | 178  | 3557     | 3.660  | ng    | # 31     |
| 75) Fluoranthene              | 12.598 | 202  | 5947m    | 5.915  | ng    |          |
| 78) Pyrene                    | 12.833 | 202  | 5653     | 4.846  | ng    | # 81     |
| 81) Benzo(a)anthracene        | 13.998 | 228  | 2436     | 2.524  | ng    | # 77     |
| 83) Chrysene                  | 14.033 | 228  | 2499     | 2.678  | ng    | # 87     |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149  | 2249     | 3.123  | ng    | # 95     |
| 88) Benzo(b)fluoranthene      | 15.033 | 252  | 2591m    | 3.479  | ng    |          |
| 90) Benzo(a)pyrene            | 15.392 | 252  | 1394     | 2.198  | ng    | # 88     |
| -----                         |        |      |          |        |       |          |

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

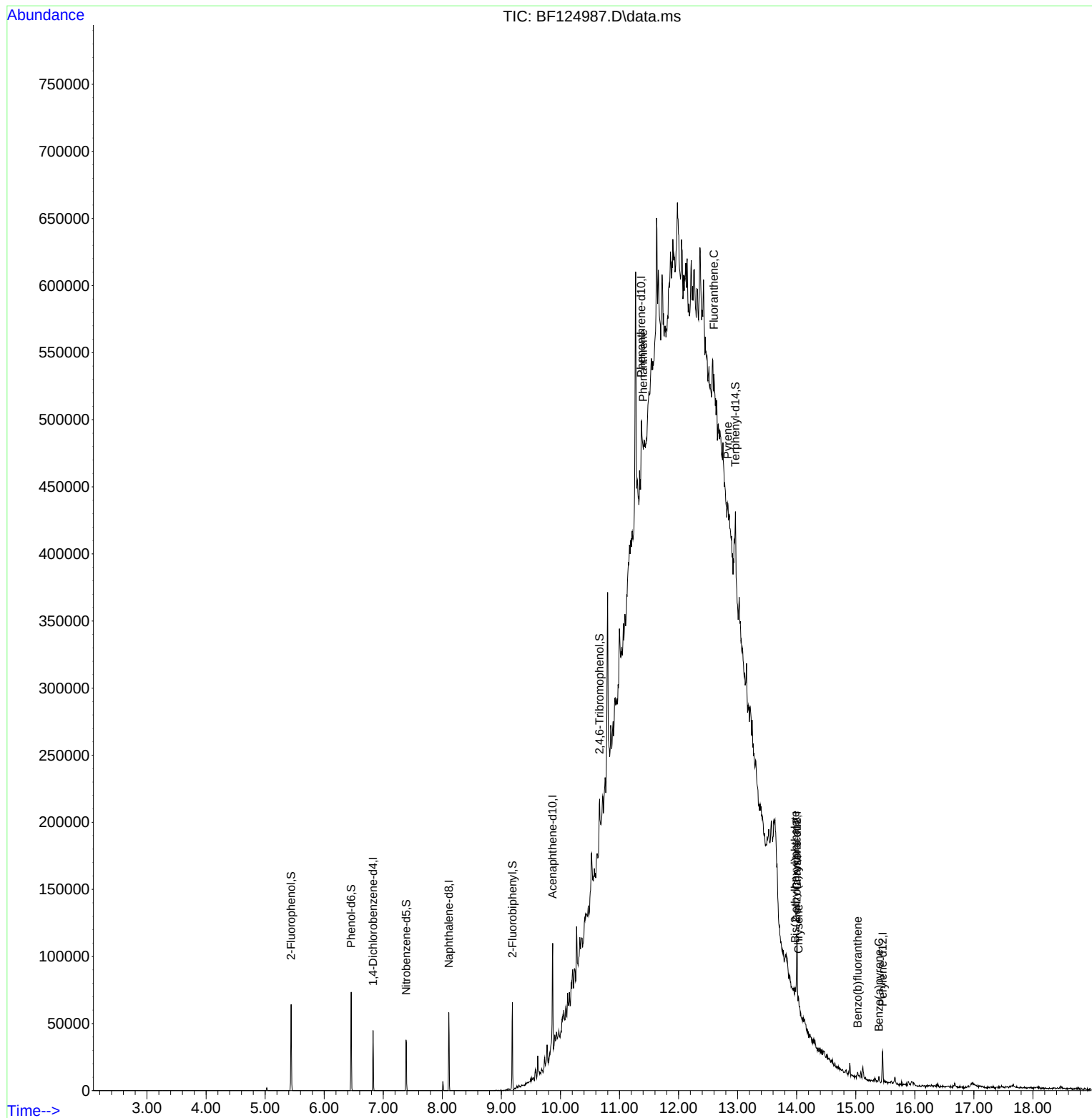
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080721\  
Data File : BF124987.D  
Acq On : 7 Aug 2021 22:15  
Operator : JU/CG  
Sample : M3293-07 2X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

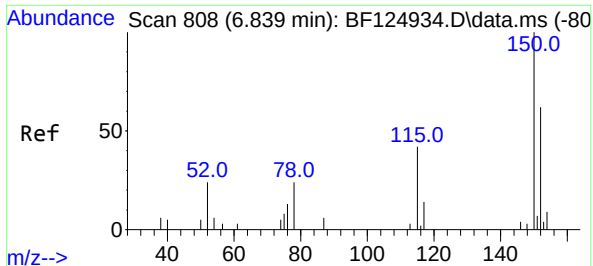
Instrument :  
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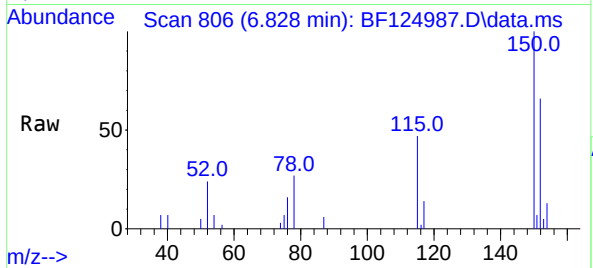
Quant Time: Aug 08 09:11:24 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF080421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 06 11:27:24 2021  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.828 min Scan# 806  
Delta R.T. -0.000 min  
Lab File: BF124987.D  
Acq: 7 Aug 2021 22:15

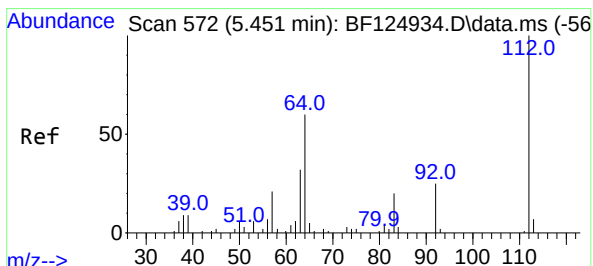
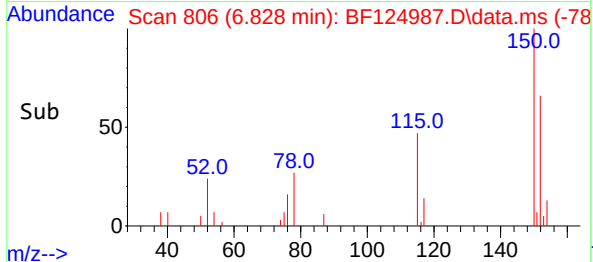
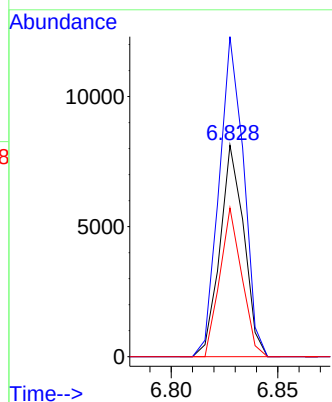
Instrument :  
BNA\_F  
ClientSampled :  
2071



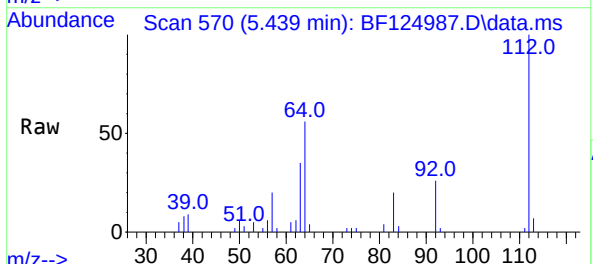
Tgt Ion:152 Resp: 6383  
Ion Ratio Lower Upper  
152 100  
150 151.3 117.6 176.4  
115 70.4 47.1 70.7

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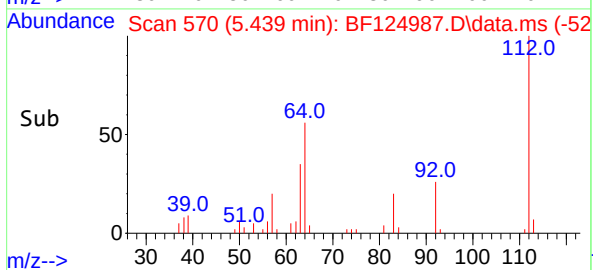
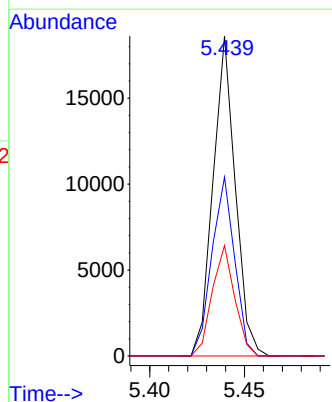
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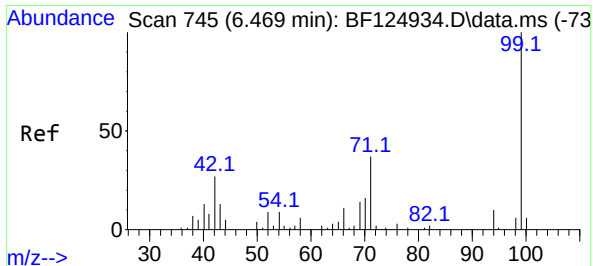


#5  
2-Fluorophenol  
Concen: 39.081 ng  
RT: 5.439 min Scan# 570  
Delta R.T. -0.006 min  
Lab File: BF124987.D  
Acq: 7 Aug 2021 22:15



Tgt Ion:112 Resp: 15228  
Ion Ratio Lower Upper  
112 100  
64 55.9 44.2 66.2  
63 34.5 26.2 39.2





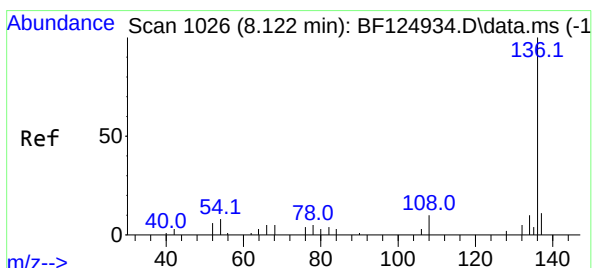
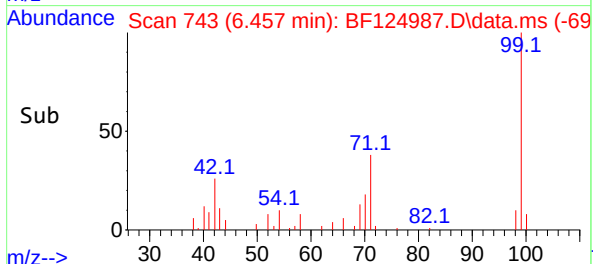
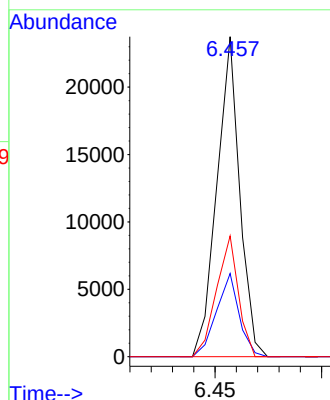
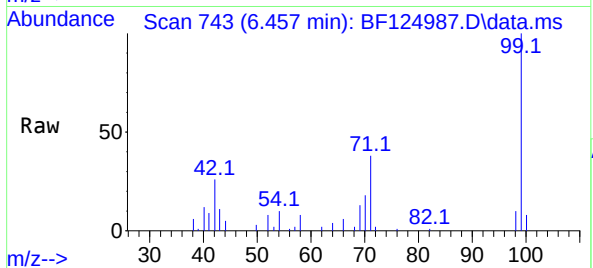
#7  
Phenol-d6  
Concen: 35.886 ng  
RT: 6.457 min Scan# 743  
Delta R.T. -0.006 min  
Lab File: BF124987.D  
Acq: 7 Aug 2021 22:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 17632 |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 26.0  | 23.5  | 35.3  |
| 71       | 37.8  | 25.6  | 38.4  |

Instrument :  
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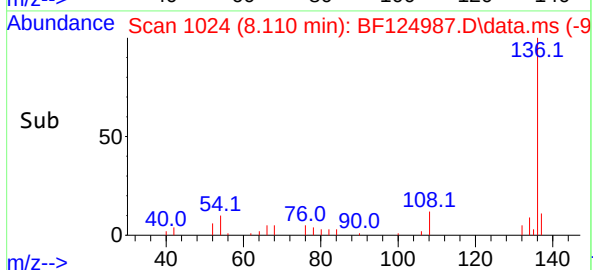
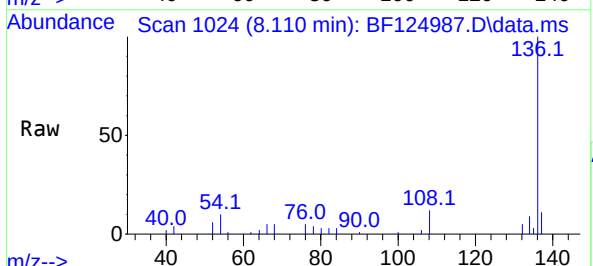
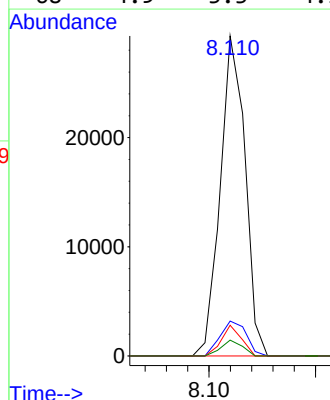
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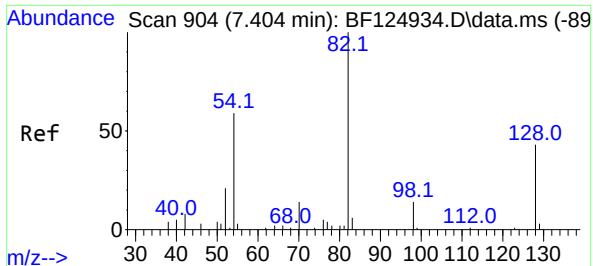
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#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.110 min Scan# 1024  
Delta R.T. -0.006 min  
Lab File: BF124987.D  
Acq: 7 Aug 2021 22:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 23764 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 10.9  | 9.8   | 14.6  |
| 54       | 9.6   | 6.4   | 9.6#  |
| 68       | 4.9   | 3.3   | 4.9#  |





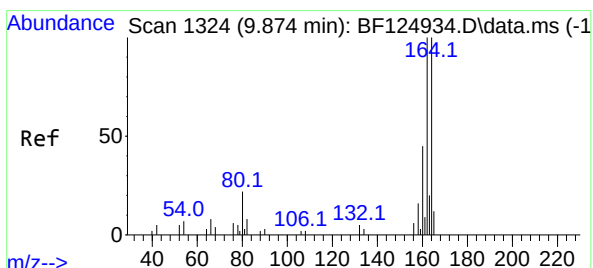
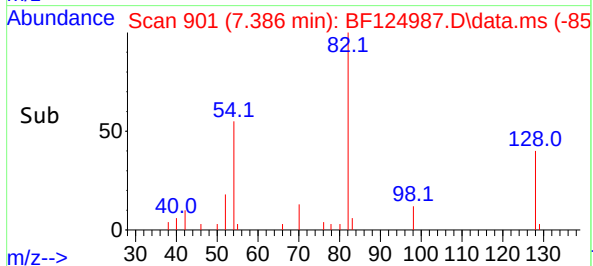
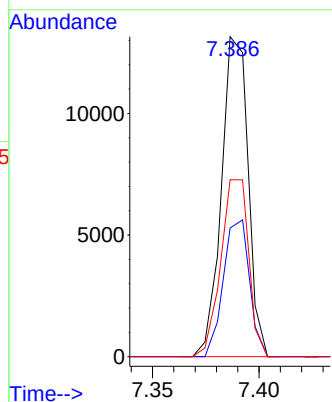
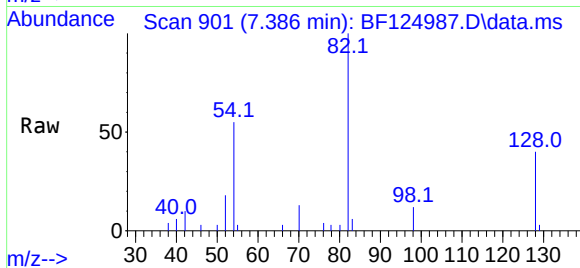
#23  
Nitrobenzene-d5  
Concen: 25.241 ng  
RT: 7.386 min Scan# 901  
Delta R.T. -0.012 min  
Lab File: BF124987.D  
Acq: 7 Aug 2021 22:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 11466 |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 40.2  | 40.6  | 60.8# |
| 54        | 55.3  | 49.6  | 74.4  |

Instrument :  
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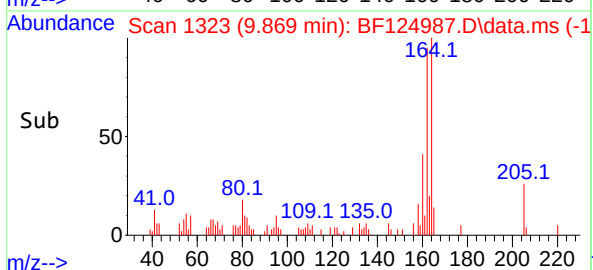
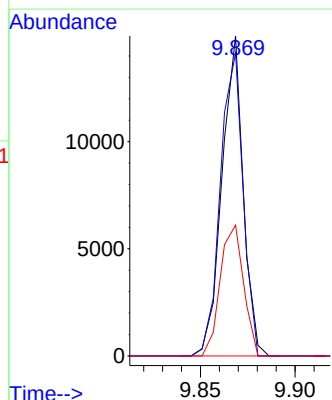
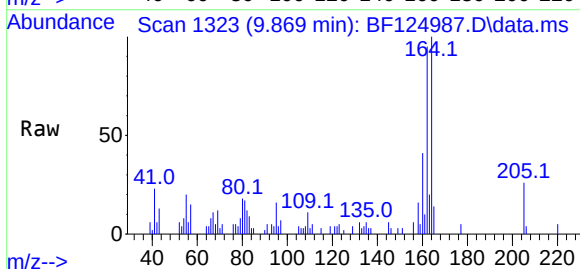
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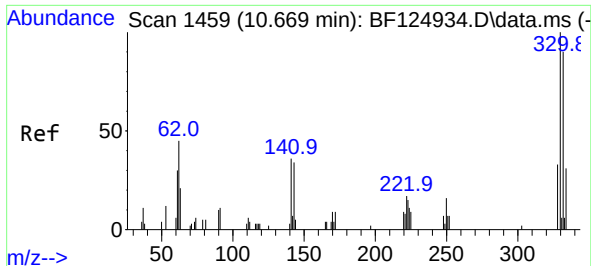
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#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.869 min Scan# 1323  
Delta R.T. 0.000 min  
Lab File: BF124987.D  
Acq: 7 Aug 2021 22:15

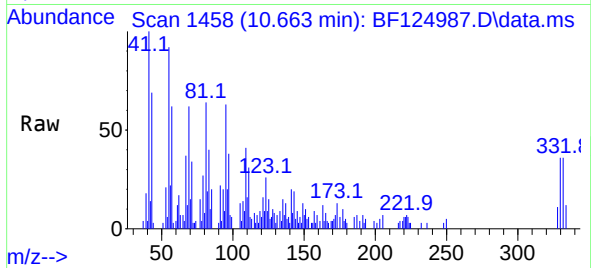
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 11652 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 94.7  | 81.3  | 121.9 |
| 160       | 40.9  | 38.0  | 57.0  |





#42  
2,4,6-Tribromophenol  
Concen: 33.997 ng  
RT: 10.663 min Scan# 1458  
Delta R.T. 0.006 min  
Lab File: BF124987.D  
Acq: 7 Aug 2021 22:15

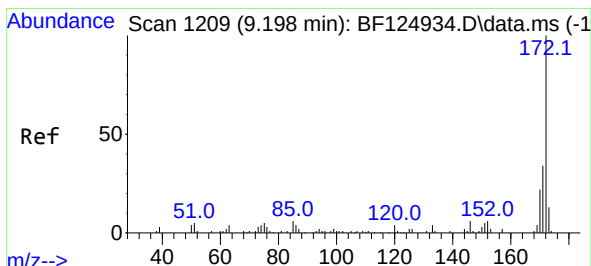
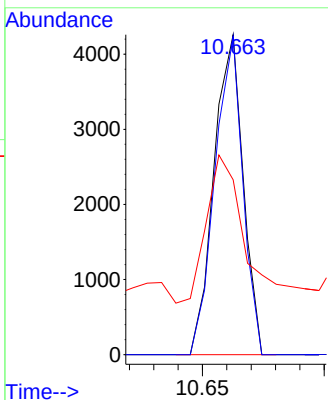
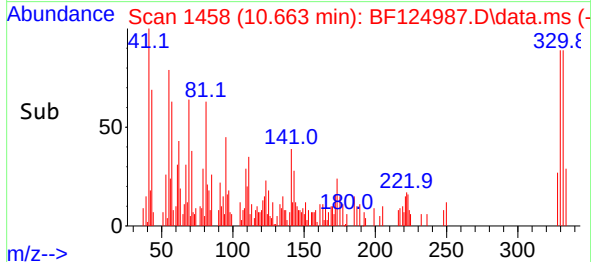
Instrument :  
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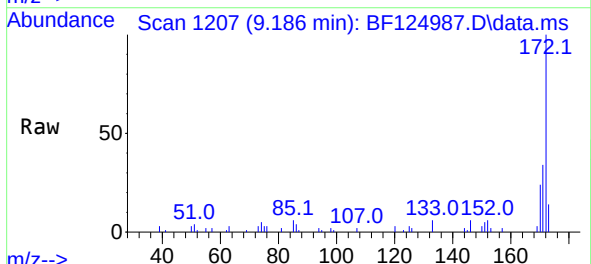
Tgt Ion: 330 Resp: 3539  
Ion Ratio Lower Upper  
330 100  
332 95.3 76.2 114.4  
141 61.9 44.6 66.8

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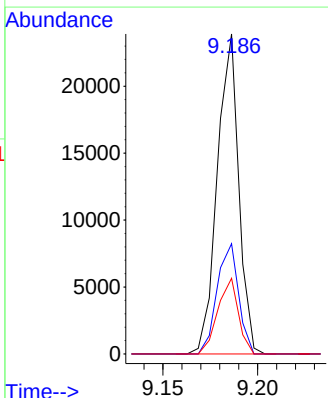
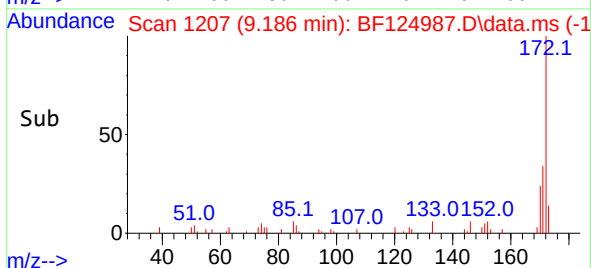
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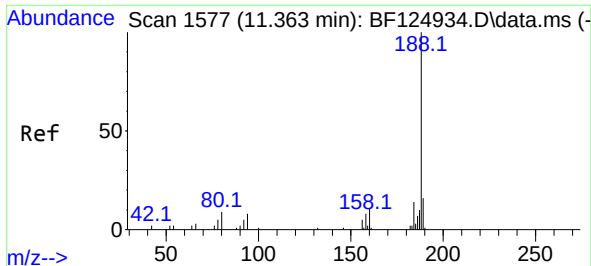


#45  
2-Fluorobiphenyl  
Concen: 23.607 ng  
RT: 9.186 min Scan# 1207  
Delta R.T. -0.006 min  
Lab File: BF124987.D  
Acq: 7 Aug 2021 22:15

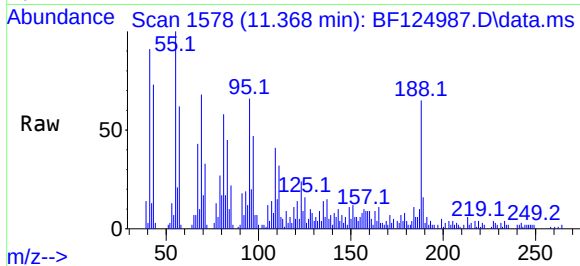


Tgt Ion: 172 Resp: 18799  
Ion Ratio Lower Upper  
172 100  
171 34.5 26.5 39.7  
170 23.7 18.8 28.2

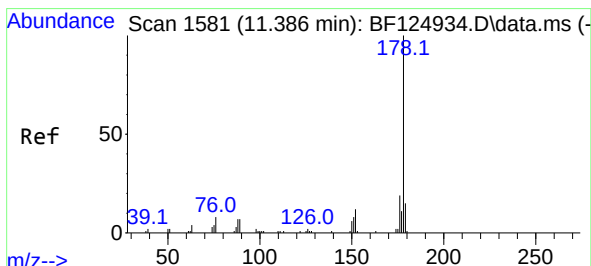
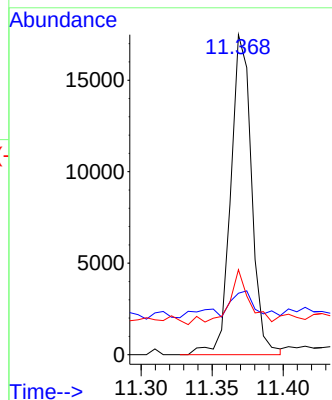
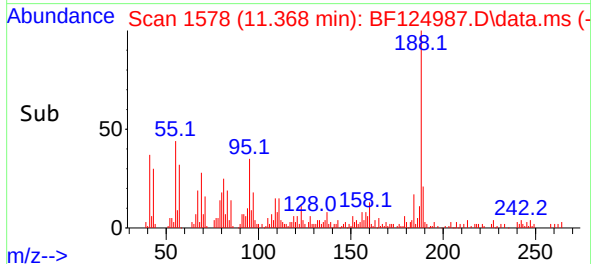




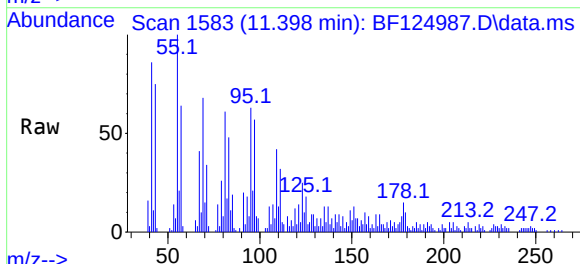
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.368 min Scan# 1578  
Delta R.T. 0.018 min  
Lab File: BF124987.D  
Acq: 7 Aug 2021 22:15



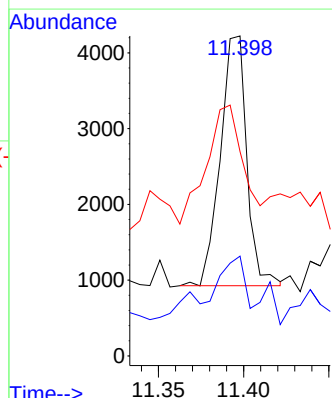
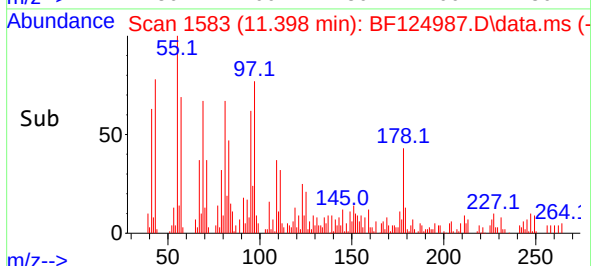
Tgt Ion:188 Resp: 17915  
Ion Ratio Lower Upper  
188 100  
94 19.2 6.7 10.1#  
80 26.6 7.5 11.3#



#71  
Phenanthrene  
Concen: 3.660 ng  
RT: 11.398 min Scan# 1583  
Delta R.T. 0.018 min  
Lab File: BF124987.D  
Acq: 7 Aug 2021 22:15



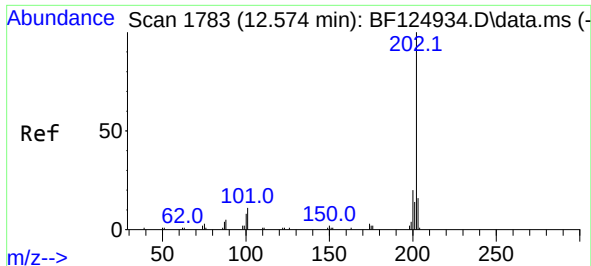
Tgt Ion:178 Resp: 3557  
Ion Ratio Lower Upper  
178 100  
176 31.2 14.7 22.1#  
179 63.9 11.5 17.3#



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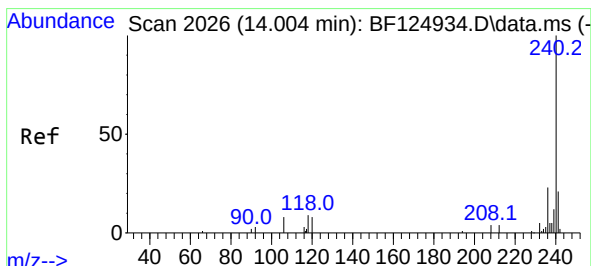
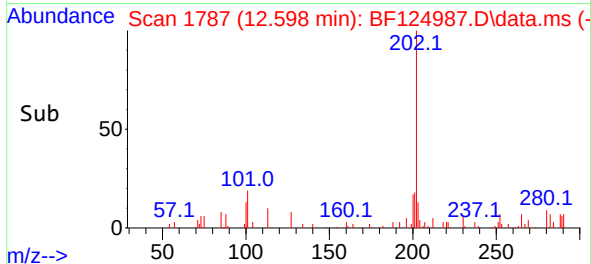
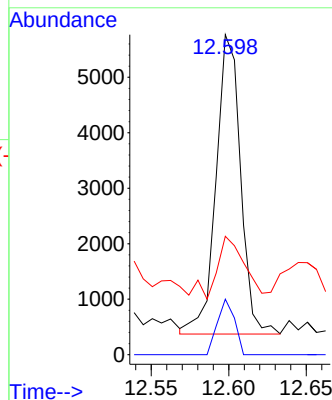
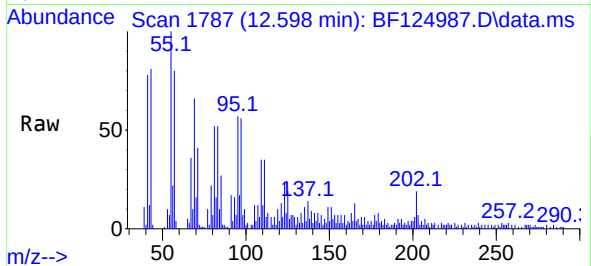
#75  
Fluoranthene  
Concen: 5.915 ng m  
RT: 12.598 min Scan# 1787  
Delta R.T. 0.035 min  
Lab File: BF124987.D  
Acq: 7 Aug 2021 22:15

Tgt Ion:202 Resp: 5947  
Ion Ratio Lower Upper  
202 100  
101 17.3 0.0 30.7  
203 37.0 0.0 36.3#

Instrument :  
BNA\_F  
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2071

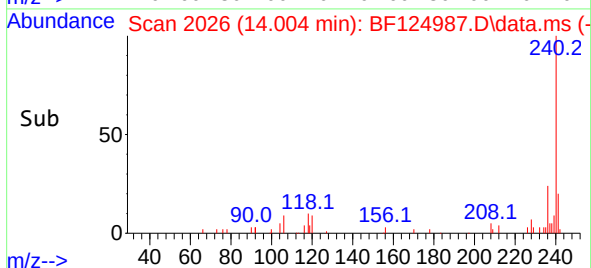
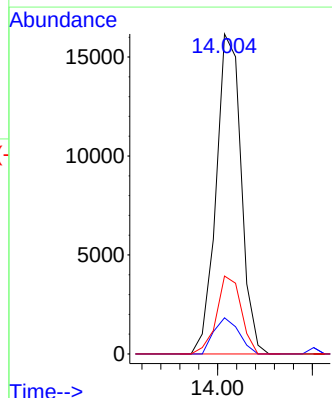
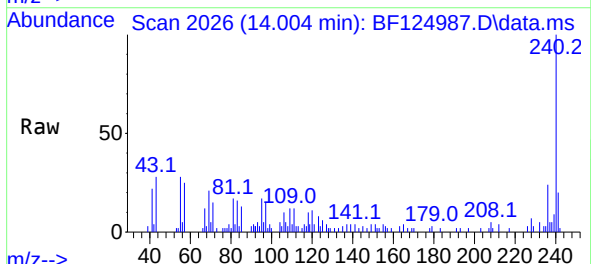
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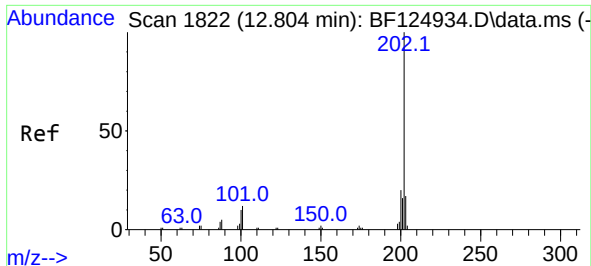


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.004 min Scan# 2026  
Delta R.T. 0.012 min  
Lab File: BF124987.D  
Acq: 7 Aug 2021 22:15

Tgt Ion:240 Resp: 14810  
Ion Ratio Lower Upper  
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120 11.3 10.8 16.2  
236 24.4 21.6 32.4







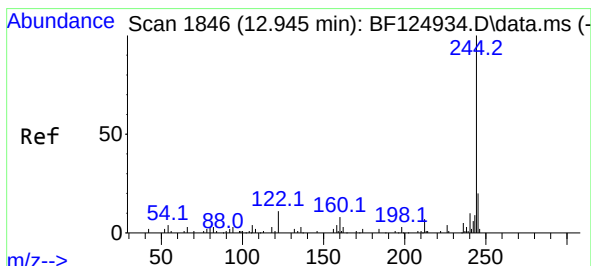
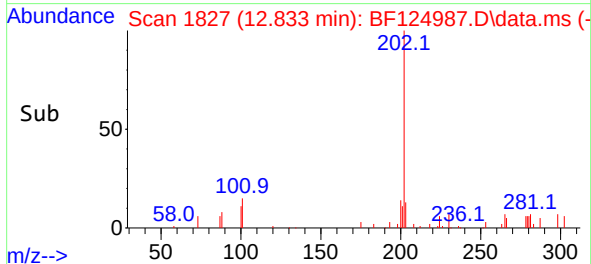
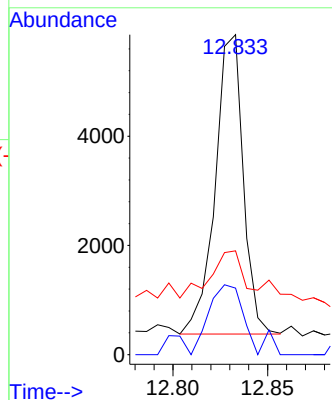
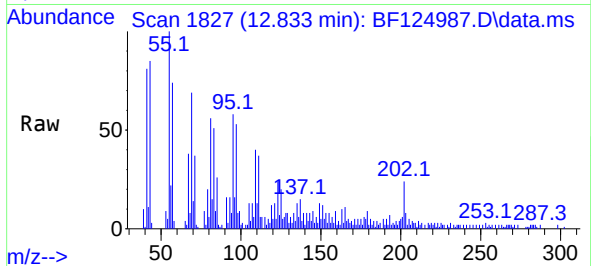
#78  
Pyrene  
Concen: 4.846 ng  
RT: 12.833 min Scan# 1827  
Delta R.T. 0.041 min  
Lab File: BF124987.D  
Acq: 7 Aug 2021 22:15

Tgt Ion:202 Resp: 5653  
Ion Ratio Lower Upper  
202 100  
200 20.8 15.3 22.9  
203 32.4 13.4 20.0#

Instrument :  
BNA\_F  
ClientSampleId :  
2071

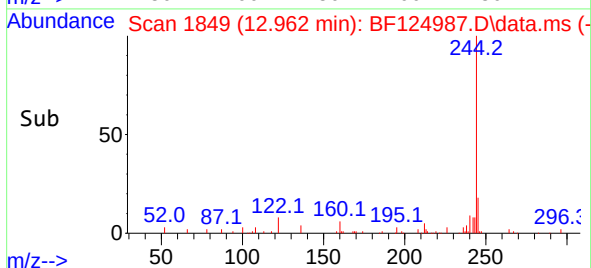
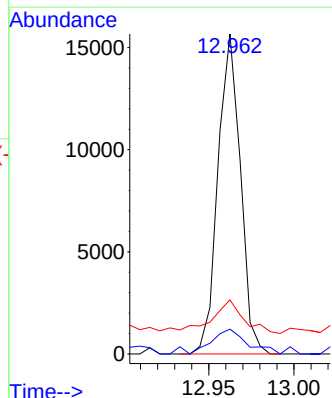
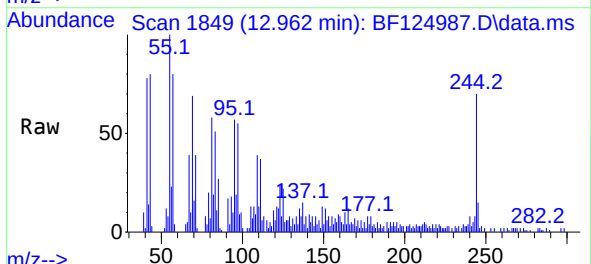
Manual Integrations  
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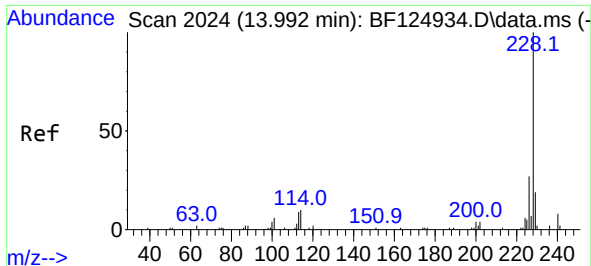
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#79  
Terphenyl-d14  
Concen: 16.366 ng  
RT: 12.962 min Scan# 1849  
Delta R.T. 0.024 min  
Lab File: BF124987.D  
Acq: 7 Aug 2021 22:15

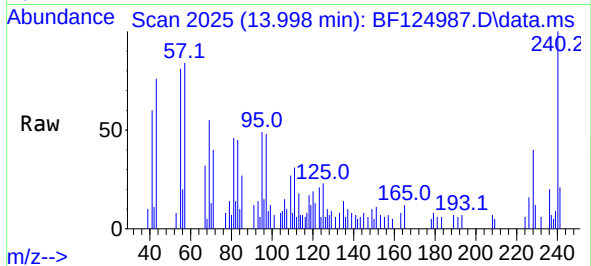
Tgt Ion:244 Resp: 14369  
Ion Ratio Lower Upper  
244 100  
212 7.7 5.9 8.9  
122 16.9 9.0 13.4#





#81  
Benzo(a)anthracene  
Concen: 2.524 ng  
RT: 13.998 min Scan# 2025  
Delta R.T. 0.018 min  
Lab File: BF124987.D  
Acq: 7 Aug 2021 22:15

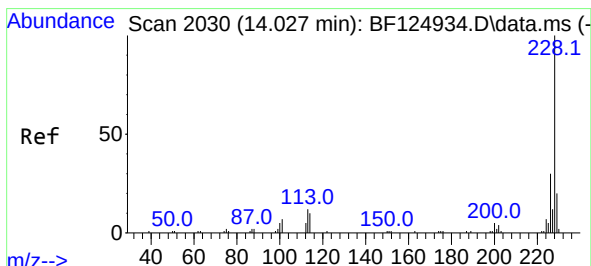
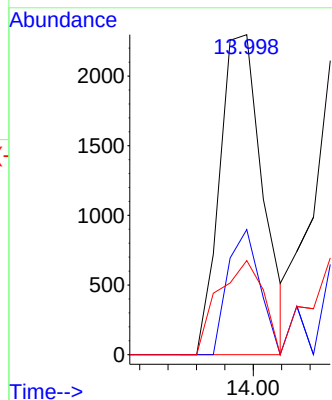
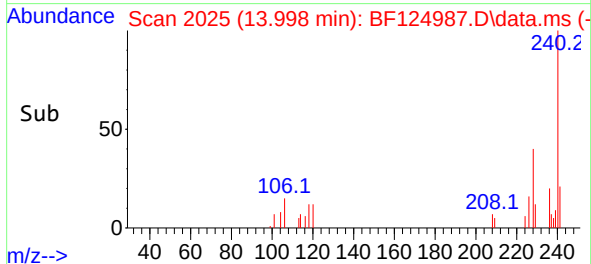
Instrument :  
BNA\_F  
ClientSampled :  
2071



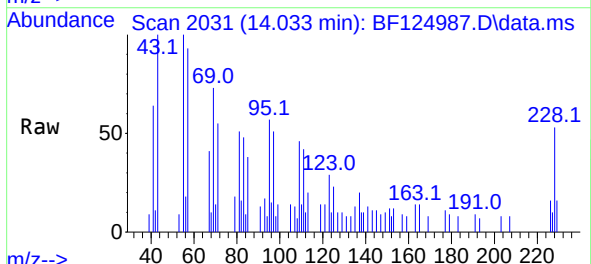
Tgt Ion:228 Resp: 2436  
Ion Ratio Lower Upper  
228 100  
226 39.1 21.6 32.4#  
229 29.4 15.6 23.4#

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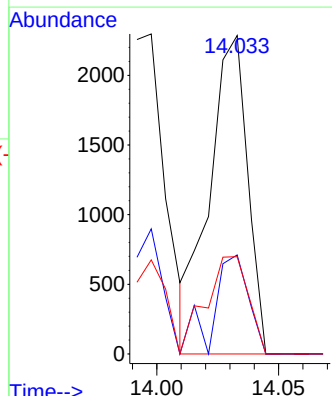
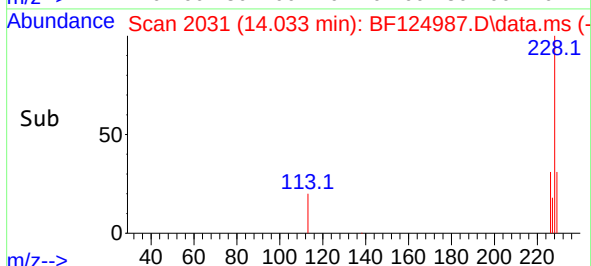
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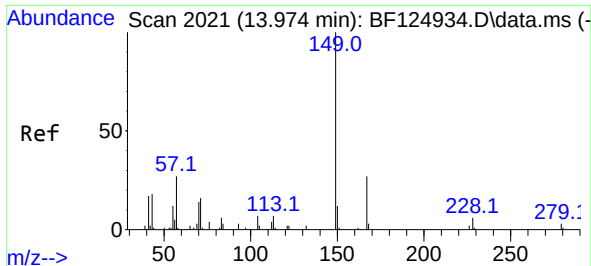


#83  
Chrysene  
Concen: 2.678 ng  
RT: 14.033 min Scan# 2031  
Delta R.T. 0.012 min  
Lab File: BF124987.D  
Acq: 7 Aug 2021 22:15

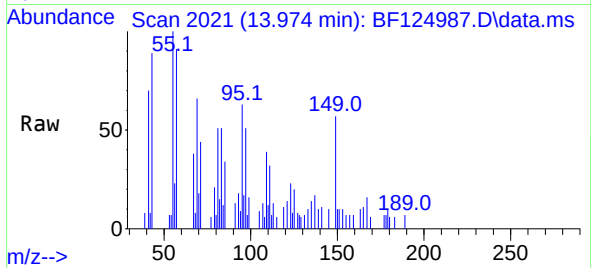


Tgt Ion:228 Resp: 2499  
Ion Ratio Lower Upper  
228 100  
226 31.1 22.6 34.0  
229 30.5 15.9 23.9#

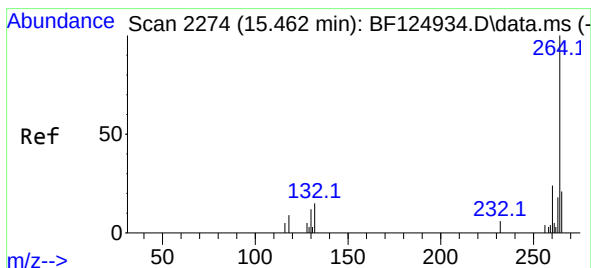
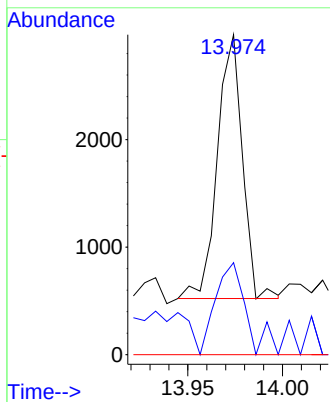
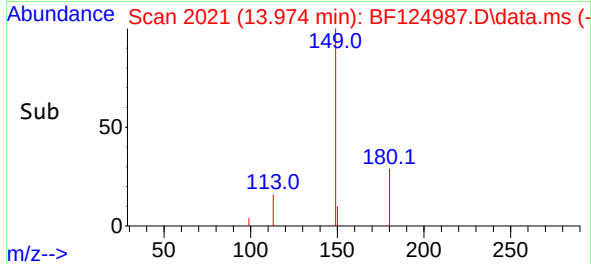




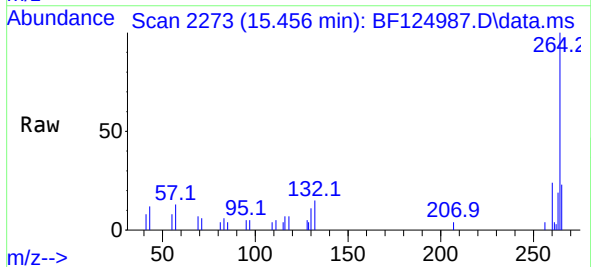
#84  
Bis(2-ethylhexyl)phthalate  
Concen: 3.123 ng  
RT: 13.974 min Scan# 2021  
Delta R.T. 0.012 min  
Lab File: BF124987.D  
Acq: 7 Aug 2021 22:15



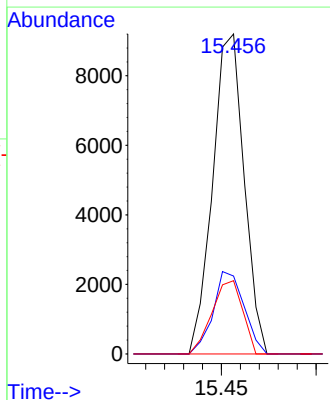
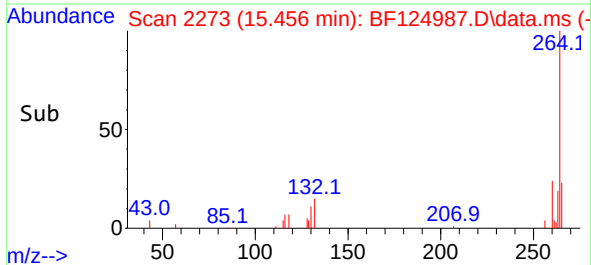
Tgt Ion:149 Resp: 2249  
Ion Ratio Lower Upper  
149 100  
167 28.7 21.4 32.0  
279 0.0 2.6 4.0#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.456 min Scan# 2273  
Delta R.T. 0.012 min  
Lab File: BF124987.D  
Acq: 7 Aug 2021 22:15



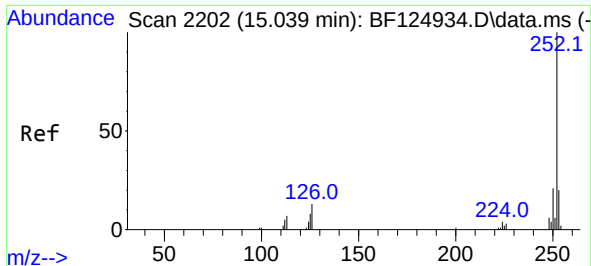
Tgt Ion:264 Resp: 10607  
Ion Ratio Lower Upper  
264 100  
260 24.3 19.6 29.4  
265 22.9 17.2 25.8



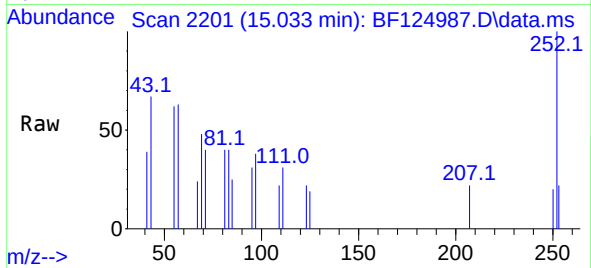
Instrument :  
BNA\_F  
ClientSampled :  
2071

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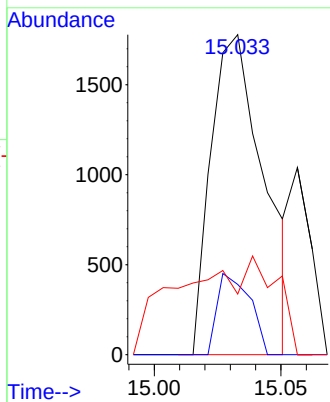
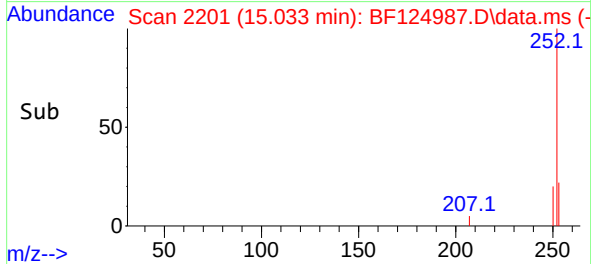
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#88  
Benzo(b)fluoranthene  
Concen: 3.479 ng m  
RT: 15.033 min Scan# 2201  
Delta R.T. 0.012 min  
Lab File: BF124987.D  
Acq: 7 Aug 2021 22:15



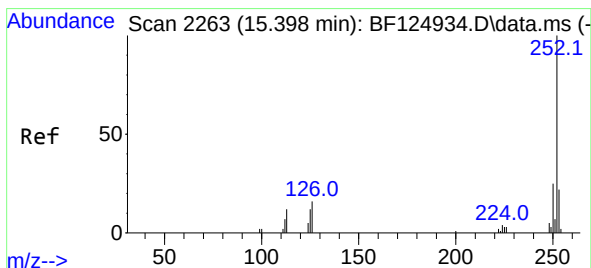
Tgt Ion:252 Resp: 2591  
Ion Ratio Lower Upper  
252 100  
253 22.0 16.8 25.2  
125 19.0 9.8 14.8#



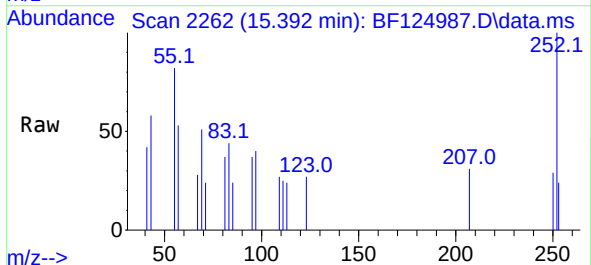
Instrument :  
BNA\_F  
ClientSampled :  
2071

Manual Integrations  
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#90  
Benzo(a)pyrene  
Concen: 2.198 ng  
RT: 15.392 min Scan# 2262  
Delta R.T. 0.006 min  
Lab File: BF124987.D  
Acq: 7 Aug 2021 22:15



Tgt Ion:252 Resp: 1394  
Ion Ratio Lower Upper  
252 100  
253 23.9 18.4 27.6  
125 0.0 9.9 14.9#

