

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101821\  
 Data File : BF125886.D  
 Acq On : 18 Oct 2021 19:55  
 Operator : JU/CG  
 Sample : M4248-03  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 72-12002

Manual Integrations  
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Quant Time: Oct 19 09:08:32 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF100721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 18 12:43:03 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.822  | 152  | 154627   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 573785   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.910  | 164  | 136536   | 20.00  | ng    | 0.05     |
| 64) Phenanthrene-d10          | 11.475 | 188  | 94539m   | 20.00  | ng    | 0.14     |
| 76) Chrysene-d12              | 14.021 | 240  | 250822   | 20.00  | ng    | 0.05     |
| 86) Perylene-d12              | 15.439 | 264  | 236253   | 20.00  | ng    | 0.02     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.428  | 112  | 765468   | 80.87  | ng    | -0.01    |
| 7) Phenol-d6                  | 6.445  | 99   | 941250   | 77.25  | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.381  | 82   | 539956   | 58.50  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 103266   | 76.60  | ng    | 0.07     |
| 45) 2-Fluorobiphenyl          | 9.210  | 172  | 896825   | 113.29 | ng    | 0.03     |
| 79) Terphenyl-d14             | 13.022 | 244  | 348959   | 21.19  | ng    | 0.10     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 37) 2-Methylnaphthalene       | 8.834  | 142  | 113105   | 6.30   | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.922  | 142  | 81899    | 4.70   | ng    | 99       |
| 49) Acenaphthylene            | 9.786  | 152  | 55240    | 4.63   | ng    | # 1      |
| 52) Acenaphthene              | 10.028 | 154  | 84534    | 11.34  | ng    | # 1      |
| 55) Dibenzofuran              | 10.116 | 168  | 70800    | 6.34   | ng    | # 1      |
| 58) Fluorene                  | 10.475 | 166  | 147136   | 17.98  | ng    | # 11     |
| 71) Phenanthrene              | 11.504 | 178  | 514734m  | 101.76 | ng    |          |
| 72) Anthracene                | 11.604 | 178  | 79104m   | 15.66  | ng    |          |
| 83) Chrysene                  | 14.033 | 228  | 59002    | 3.67   | ng    | # 49     |
| 84) Bis(2-ethylhexyl)phtha... | 13.980 | 149  | 409531   | 46.08  | ng    | # 93     |
| 87) Indeno(1,2,3-cd)pyrene    | 16.862 | 276  | 46406    | 2.57   | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.021 | 252  | 61008m   | 4.57   | ng    |          |
| 90) Benzo(a)pyrene            | 15.374 | 252  | 58325    | 4.94   | ng    | # 82     |
| 92) Benzo(g,h,i)perylene      | 17.292 | 276  | 48012    | 3.16   | ng    | 96       |
| -----                         |        |      |          |        |       |          |

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

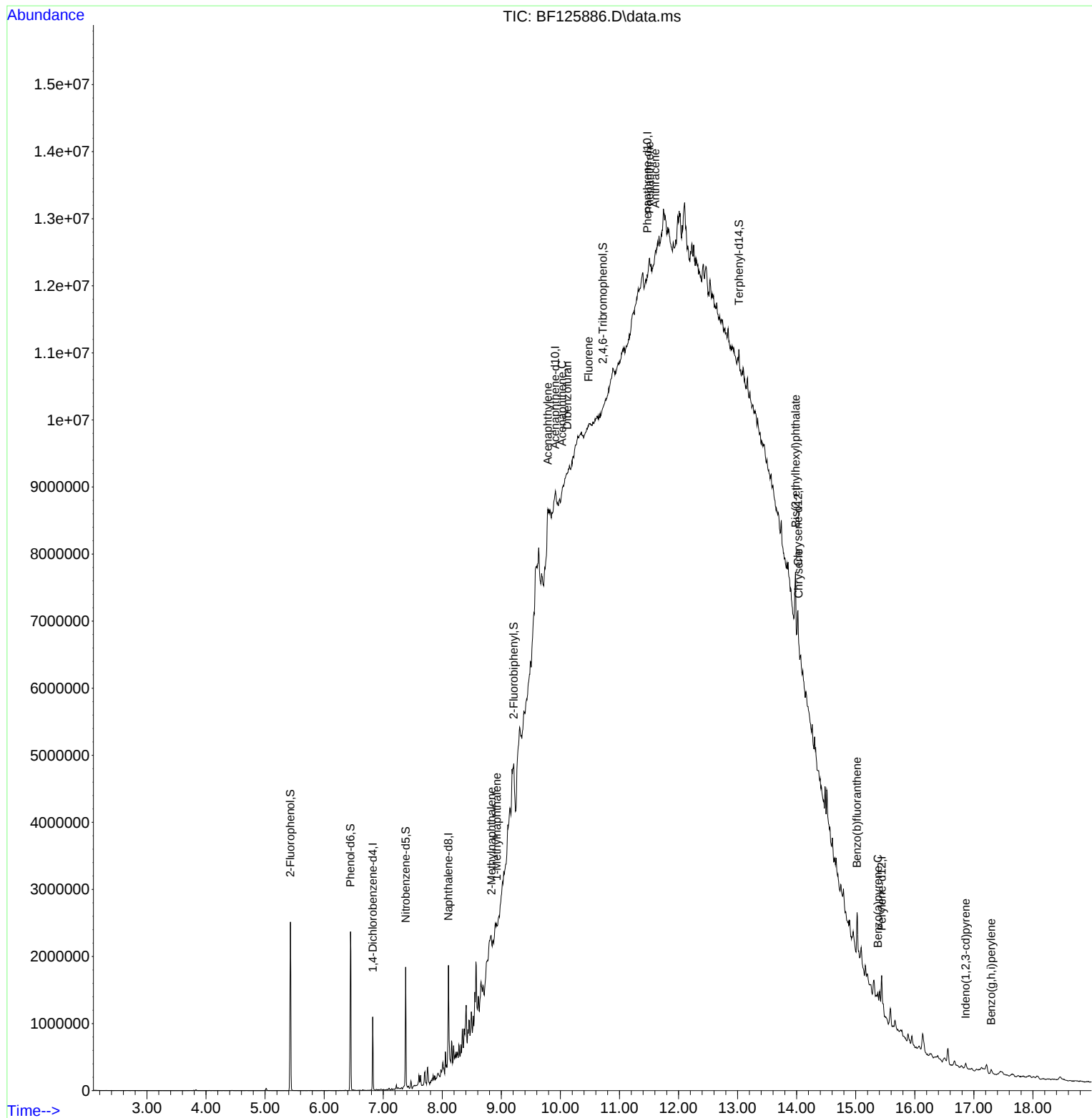
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101821\  
Data File : BF125886.D  
Acq On : 18 Oct 2021 19:55  
Operator : JU/CG  
Sample : M4248-03  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

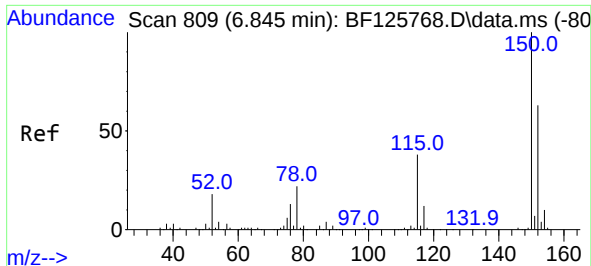
Instrument :  
BNA\_F  
ClientSampleId :  
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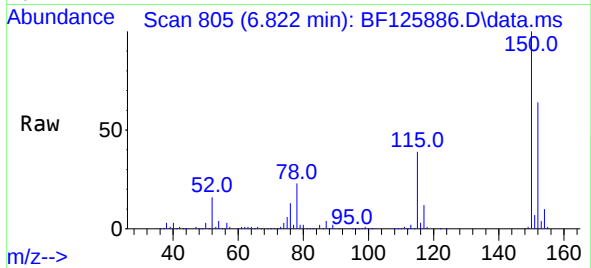
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Quant Time: Oct 19 09:08:32 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF100721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 18 12:43:03 2021  
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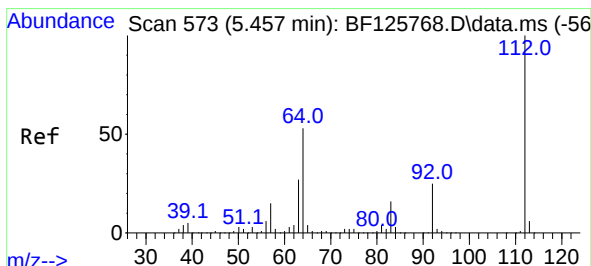
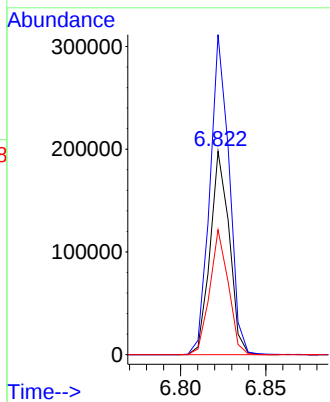
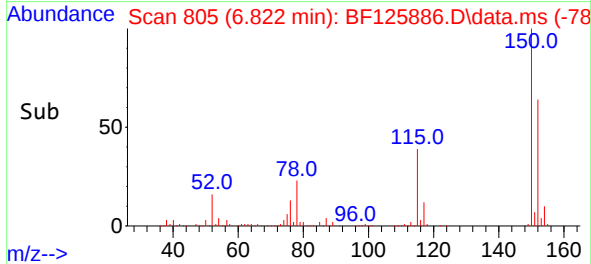




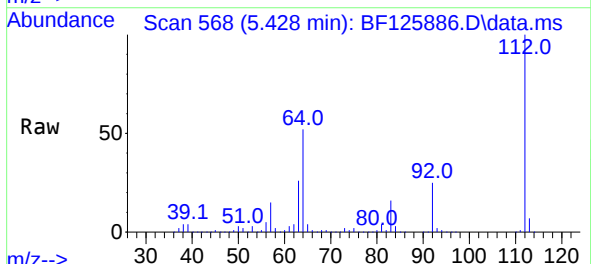
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.822 min Scan# 805  
Delta R.T. -0.006 min  
Lab File: BF125886.D  
Acq: 18 Oct 2021 19:55



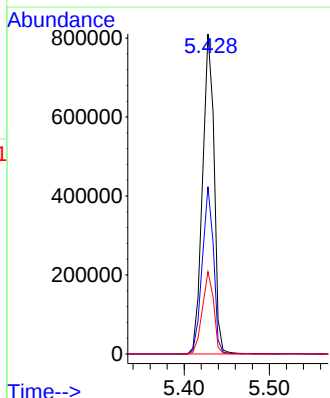
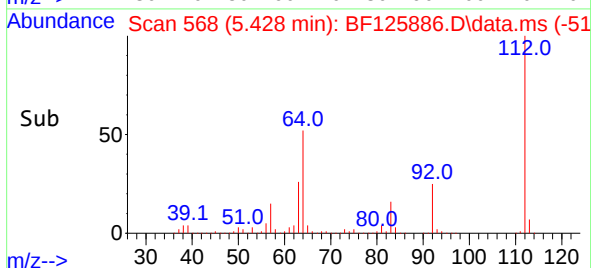
Tgt Ion:152 Resp: 154627  
Ion Ratio Lower Upper  
152 100  
150 157.4 117.6 176.4  
115 61.5 47.1 70.7



#5  
2-Fluorophenol  
Concen: 80.87 ng  
RT: 5.428 min Scan# 568  
Delta R.T. -0.012 min  
Lab File: BF125886.D  
Acq: 18 Oct 2021 19:55



Tgt Ion:112 Resp: 765468  
Ion Ratio Lower Upper  
112 100  
64 52.3 44.2 66.2  
63 25.7 26.2 39.2#



Instrument :  
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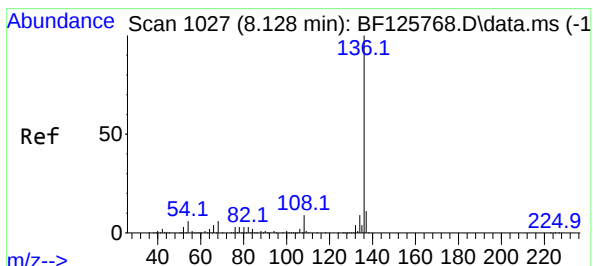
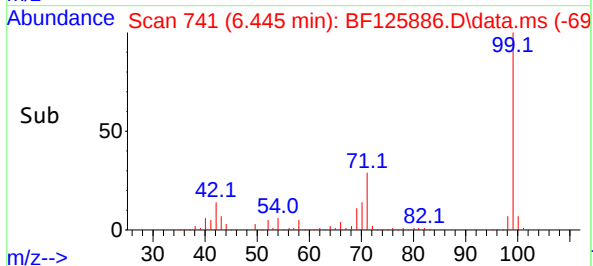
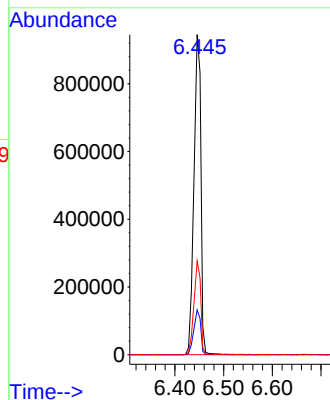
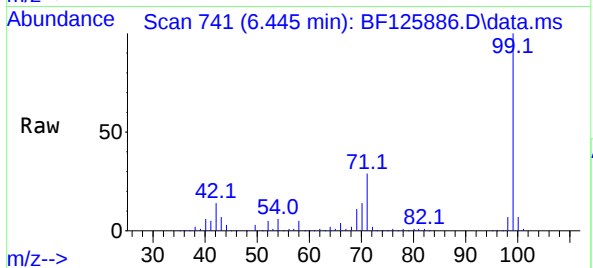
#7  
Phenol-d6  
Concen: 77.25 ng  
RT: 6.445 min Scan# 741  
Delta R.T. -0.012 min  
Lab File: BF125886.D  
Acq: 18 Oct 2021 19:55

Tgt Ion: 99 Resp: 941250  
Ion Ratio Lower Upper  
99 100  
42 14.0 23.5 35.3#  
71 29.2 25.6 38.4

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ClientSampleId :  
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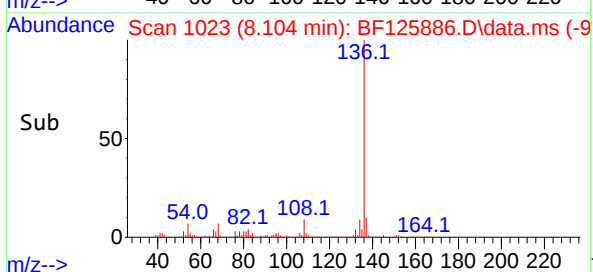
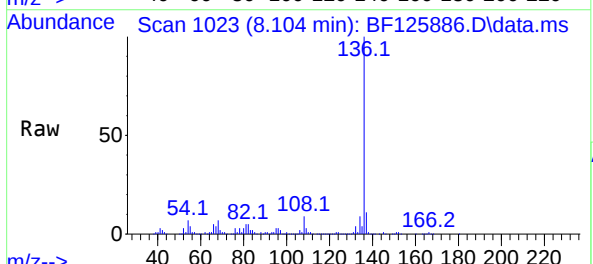
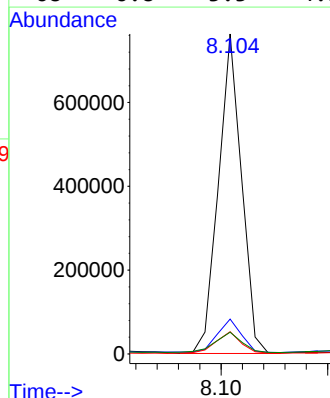
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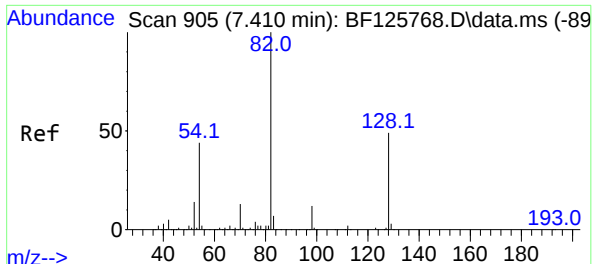
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#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.104 min Scan# 1023  
Delta R.T. -0.006 min  
Lab File: BF125886.D  
Acq: 18 Oct 2021 19:55

Tgt Ion: 136 Resp: 573785  
Ion Ratio Lower Upper  
136 100  
137 10.9 9.8 14.6  
54 7.0 6.4 9.6  
68 6.8 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 58.50 ng

RT: 7.381 min Scan# 900

Delta R.T. -0.012 min

Lab File: BF125886.D

Acq: 18 Oct 2021 19:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 539956 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 47.8  | 40.6  | 60.8   |
| 54       | 43.2  | 49.6  | 74.4#  |

Instrument :

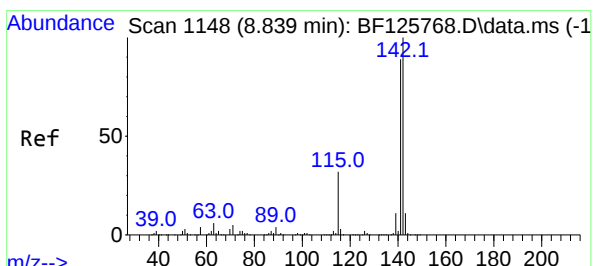
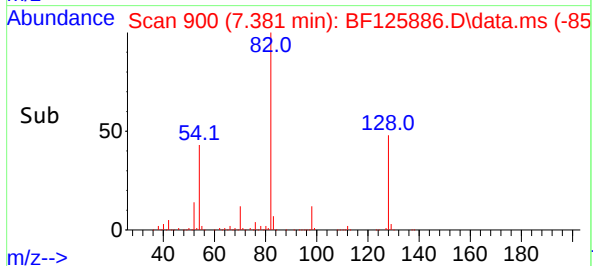
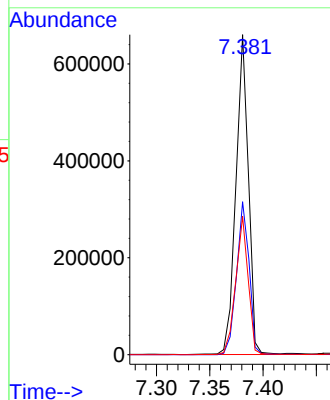
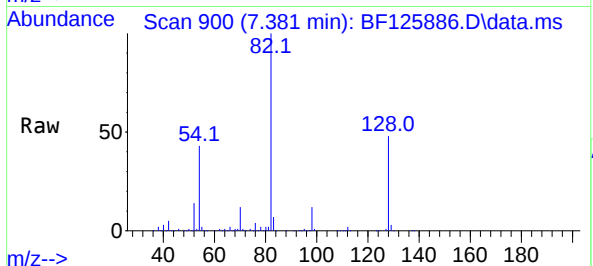
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#37

2-Methylnaphthalene

Concen: 6.30 ng

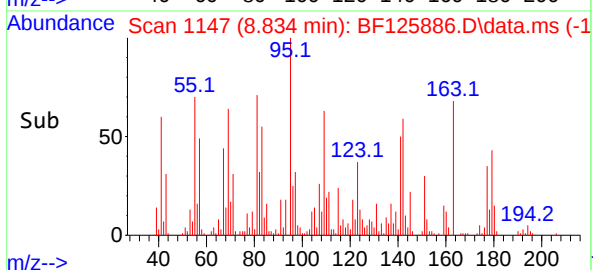
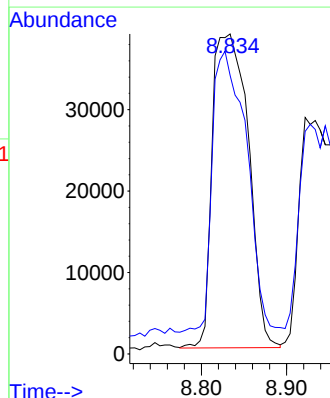
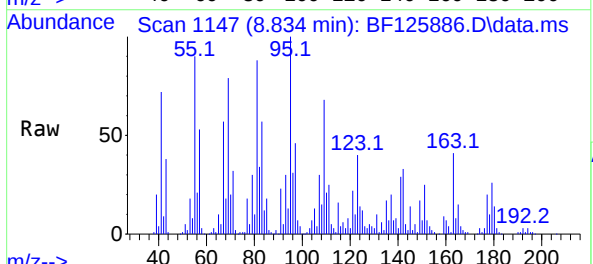
RT: 8.834 min Scan# 1147

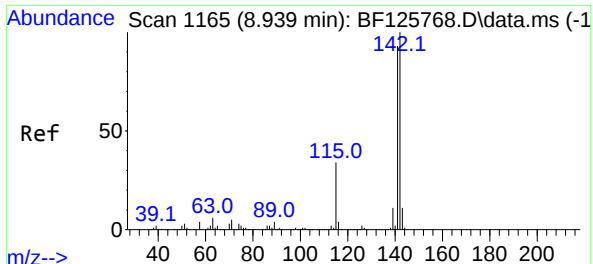
Delta R.T. 0.012 min

Lab File: BF125886.D

Acq: 18 Oct 2021 19:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 142   | Resp: | 113105 |
| Ion      | Ratio | Lower | Upper  |
| 142      | 100   |       |        |
| 141      | 87.0  | 71.2  | 106.8  |





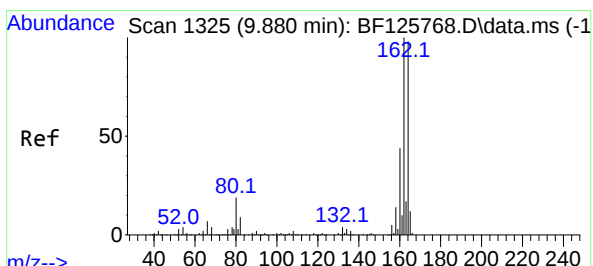
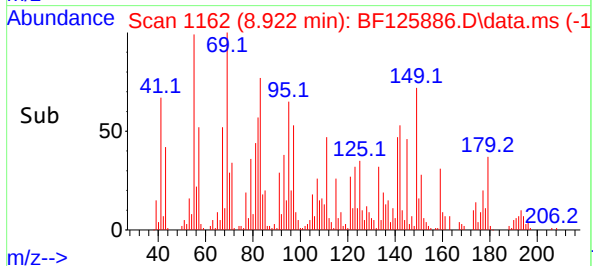
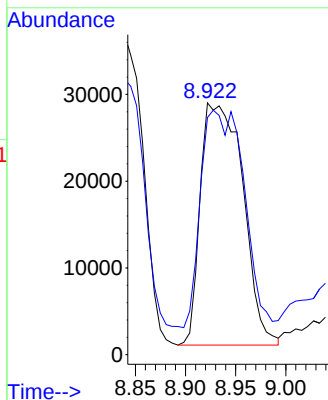
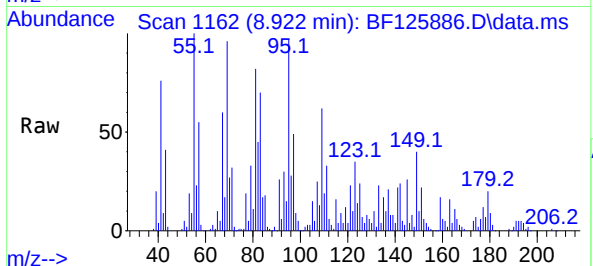
#38  
1-Methylnaphthalene  
Concen: 4.70 ng  
RT: 8.922 min Scan# 1162  
Delta R.T. 0.006 min  
Lab File: BF125886.D  
Acq: 18 Oct 2021 19:55

Tgt Ion:142 Resp: 81899  
Ion Ratio Lower Upper  
142 100  
141 94.1 76.0 114.0

Instrument :  
BNA\_F  
ClientSampled :  
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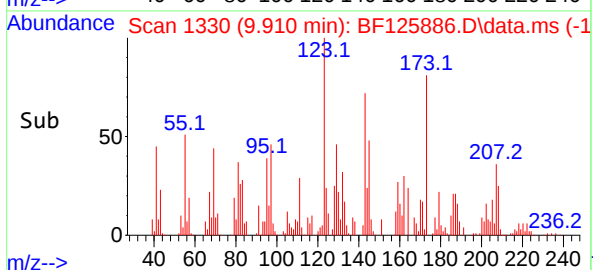
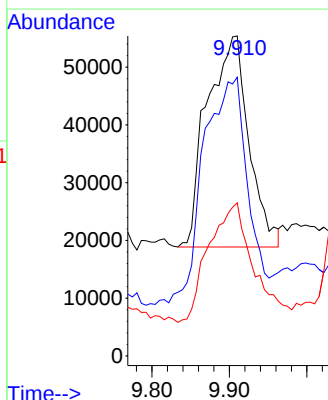
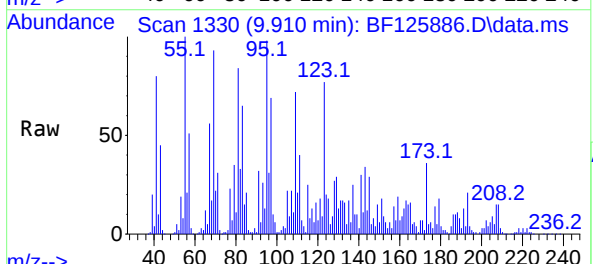
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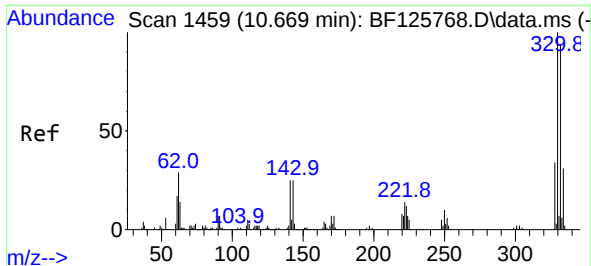
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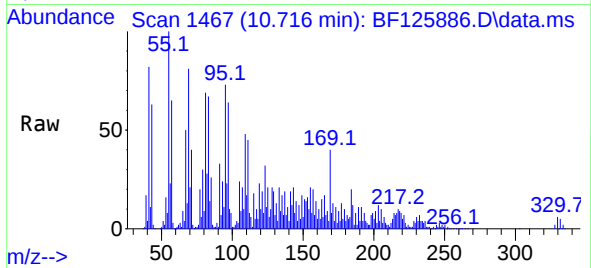
#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. 0.047 min  
Lab File: BF125886.D  
Acq: 18 Oct 2021 19:55

Tgt Ion:164 Resp: 136536  
Ion Ratio Lower Upper  
164 100  
162 87.1 81.3 121.9  
160 47.8 38.0 57.0

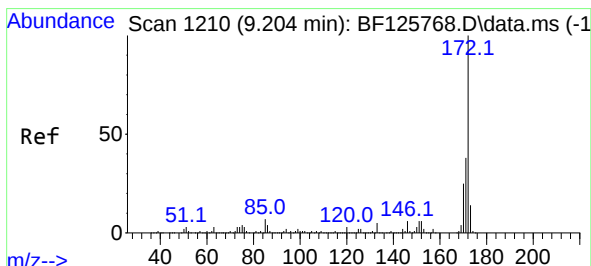
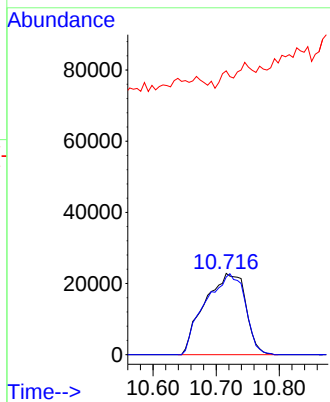
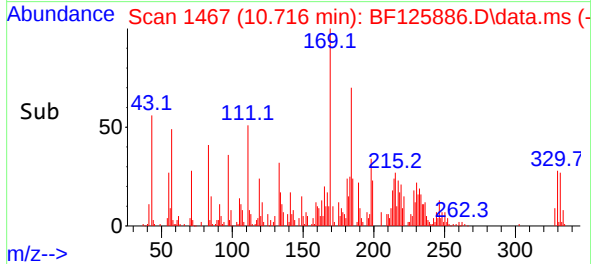




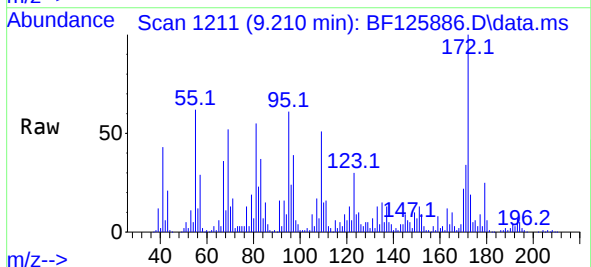
#42  
2,4,6-Tribromophenol  
Concen: 76.60 ng  
RT: 10.716 min Scan# 1467  
Delta R.T. 0.071 min  
Lab File: BF125886.D  
Acq: 18 Oct 2021 19:55



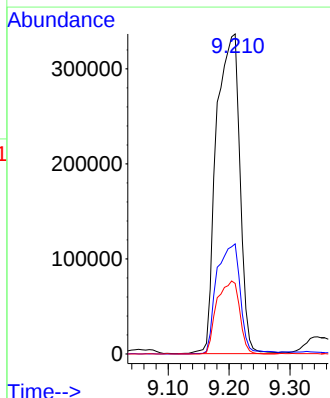
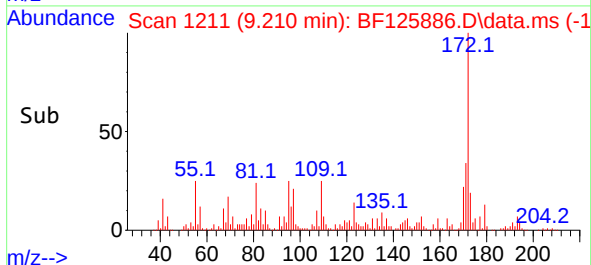
Tgt Ion: 330 Resp: 103266  
Ion Ratio Lower Upper  
330 100  
332 97.5 76.2 114.4  
141 5.7 44.6 66.8#



#45  
2-Fluorobiphenyl  
Concen: 113.29 ng  
RT: 9.210 min Scan# 1211  
Delta R.T. 0.030 min  
Lab File: BF125886.D  
Acq: 18 Oct 2021 19:55



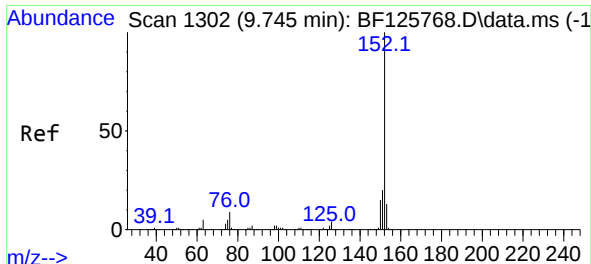
Tgt Ion: 172 Resp: 896825  
Ion Ratio Lower Upper  
172 100  
171 34.4 26.5 39.7  
170 22.0 18.8 28.2



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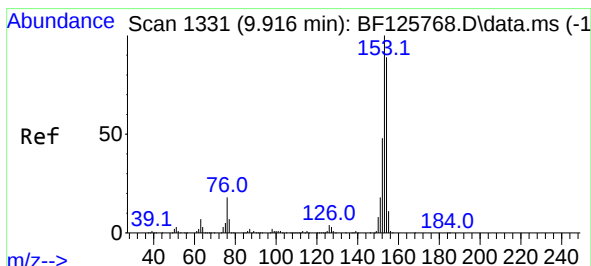
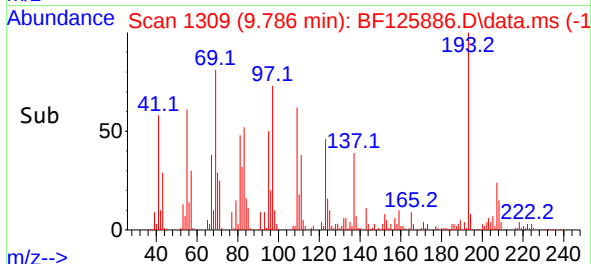
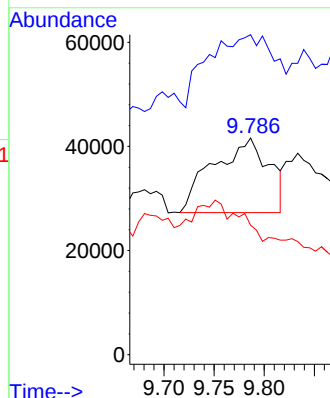
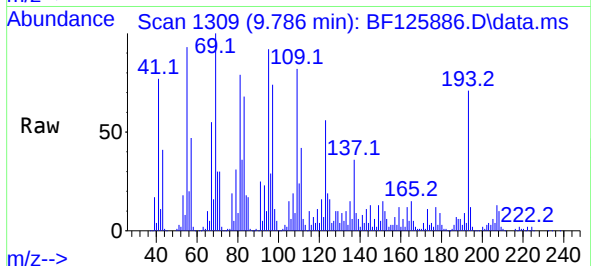
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Acenaphthylene  
Concen: 4.63 ng  
RT: 9.786 min Scan# 1309  
Delta R.T. 0.065 min  
Lab File: BF125886.D  
Acq: 18 Oct 2021 19:55

Tgt Ion:152 Resp: 55240  
Ion Ratio Lower Upper  
152 100  
151 147.7 15.7 23.5#  
153 59.7 9.8 14.8#

Instrument :  
BNA\_F  
ClientSampled :  
72-12002

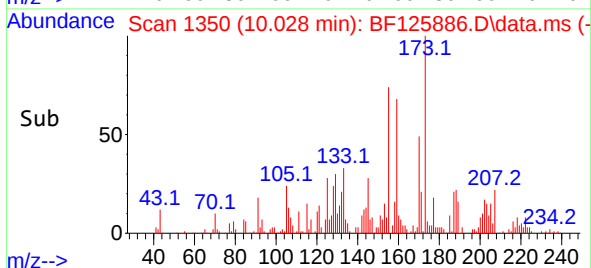
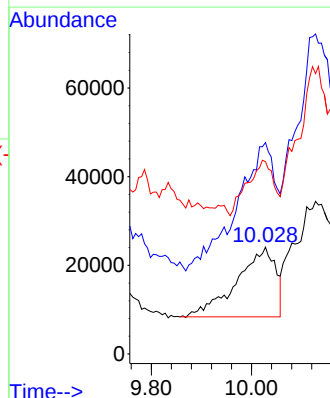
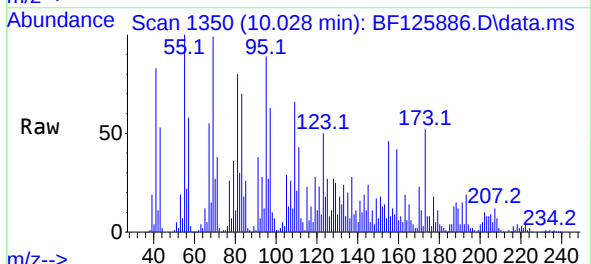
Manual Integrations  
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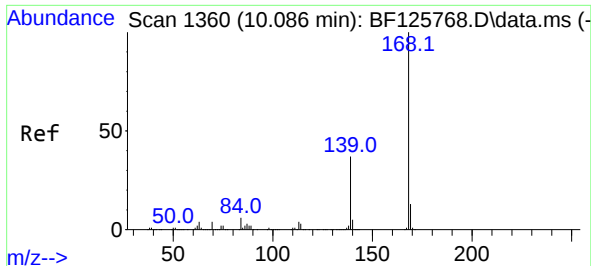
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#52  
Acenaphthene  
Concen: 11.34 ng  
RT: 10.028 min Scan# 1350  
Delta R.T. 0.135 min  
Lab File: BF125886.D  
Acq: 18 Oct 2021 19:55

Tgt Ion:154 Resp: 84534  
Ion Ratio Lower Upper  
154 100  
153 197.6 89.4 134.2#  
152 179.8 40.5 60.7#





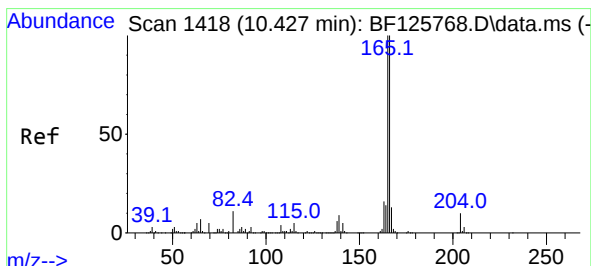
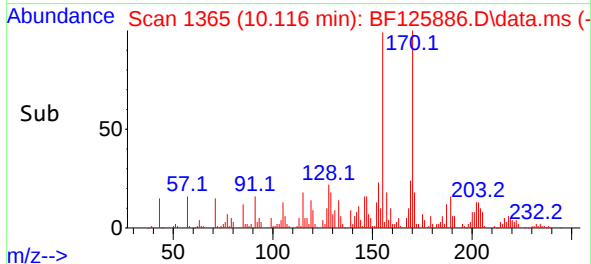
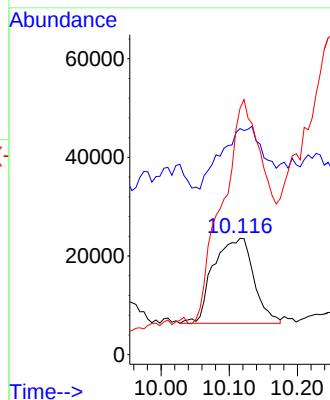
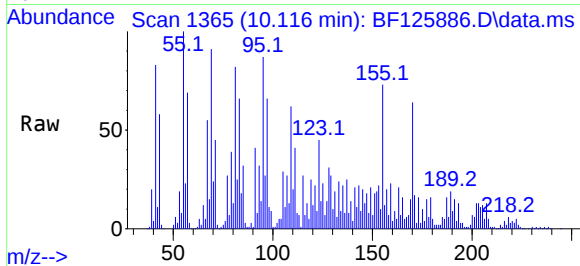
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Dibenzenofuran  
Concen: 6.34 ng  
RT: 10.116 min Scan# 1365  
Delta R.T. 0.053 min  
Lab File: BF125886.D  
Acq: 18 Oct 2021 19:55

Tgt Ion:168 Resp: 70800  
Ion Ratio Lower Upper  
168 100  
139 194.3 32.7 49.1#  
169 211.7 11.2 16.8#

Instrument :  
BNA\_F  
ClientSampled :  
72-12002

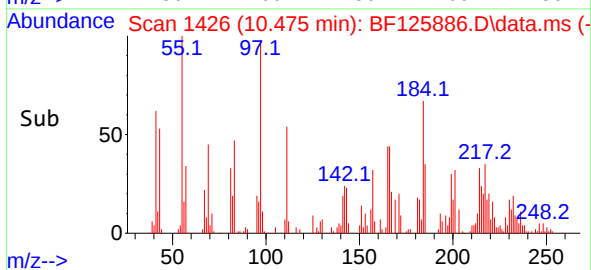
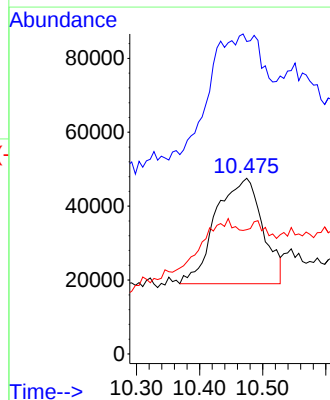
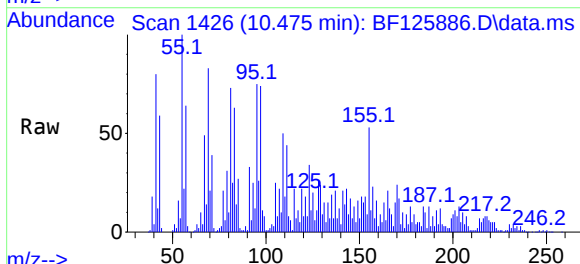
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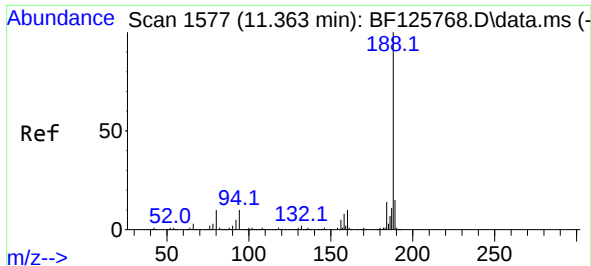
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#58  
Fluorene  
Concen: 17.98 ng  
RT: 10.475 min Scan# 1426  
Delta R.T. 0.065 min  
Lab File: BF125886.D  
Acq: 18 Oct 2021 19:55

Tgt Ion:166 Resp: 147136  
Ion Ratio Lower Upper  
166 100  
165 177.9 78.1 117.1#  
167 70.8 11.1 16.7#





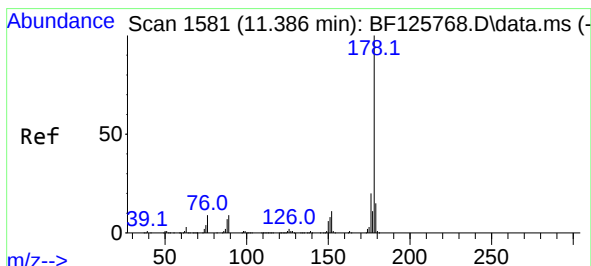
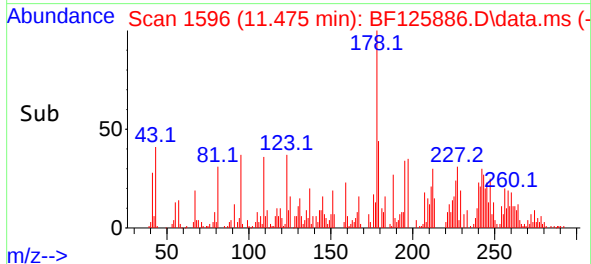
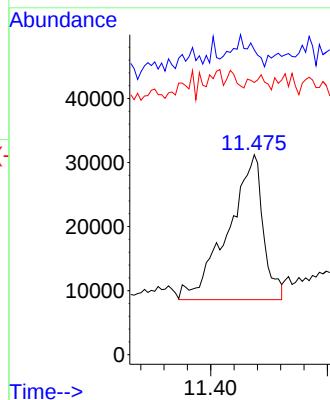
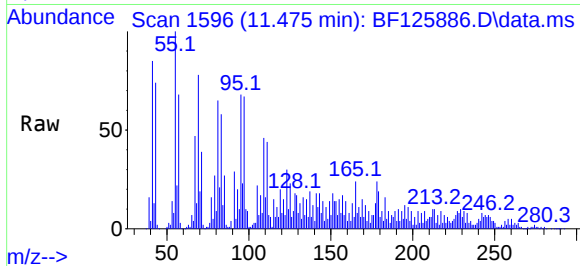
#64  
Phenanthrene-d10  
Concen: 20.00 ng m  
RT: 11.475 min Scan# 1596  
Delta R.T. 0.135 min  
Lab File: BF125886.D  
Acq: 18 Oct 2021 19:55

Tgt Ion:188 Resp: 94539  
Ion Ratio Lower Upper  
188 100  
94 152.4 6.7 10.1#  
80 136.1 7.5 11.3#

Instrument :  
BNA\_F  
ClientSampled :  
72-12002

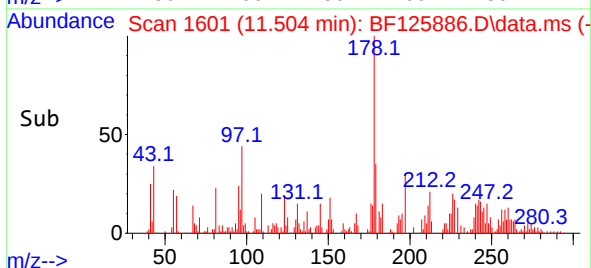
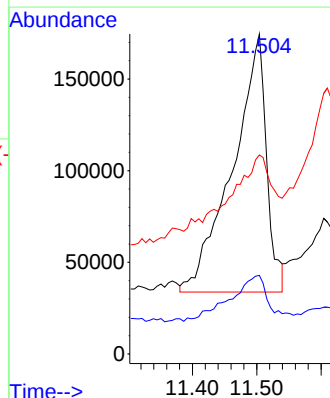
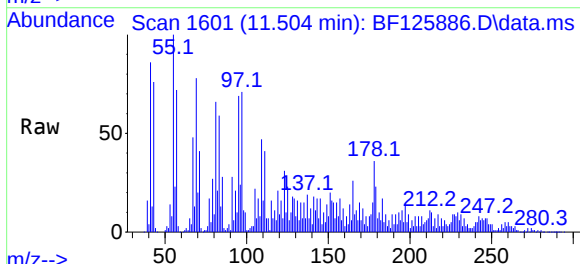
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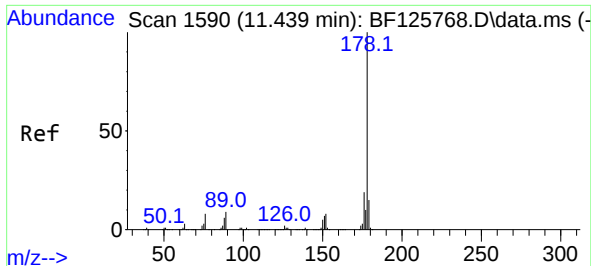
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#71  
Phenanthrene  
Concen: 101.76 ng m  
RT: 11.504 min Scan# 1601  
Delta R.T. 0.135 min  
Lab File: BF125886.D  
Acq: 18 Oct 2021 19:55

Tgt Ion:178 Resp: 514734  
Ion Ratio Lower Upper  
178 100  
176 24.5 14.7 22.1#  
179 62.2 11.5 17.3#





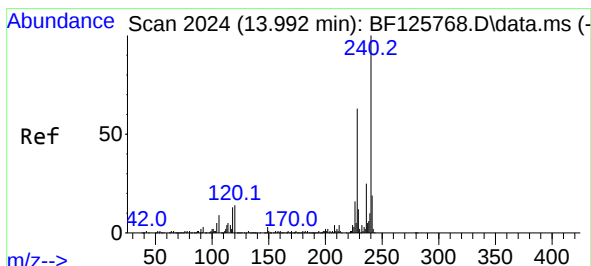
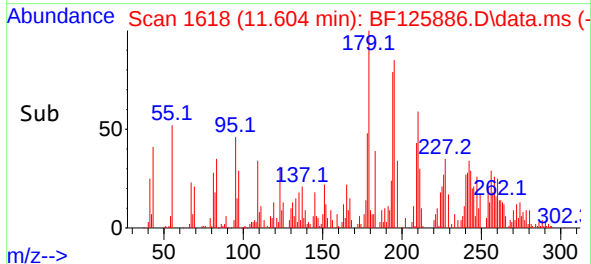
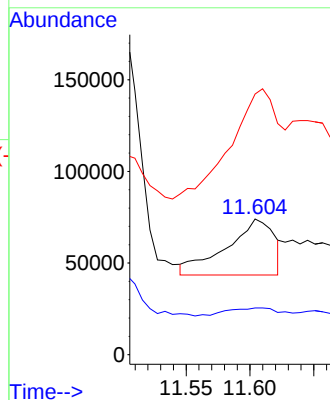
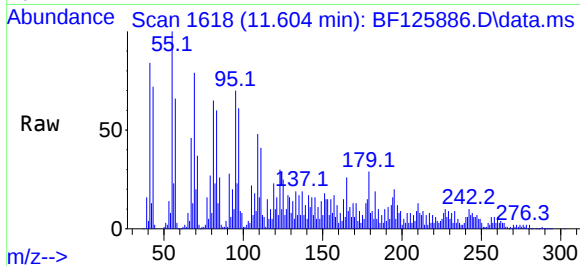
#72  
 Anthracene  
 Concen: 15.66 ng m  
 RT: 11.604 min Scan# 1618  
 Delta R.T. 0.182 min  
 Lab File: BF125886.D  
 Acq: 18 Oct 2021 19:55

Tgt Ion:178 Resp: 79104  
 Ion Ratio Lower Upper  
 178 100  
 176 34.5 14.3 21.5#  
 179 192.2 12.2 18.4#

Instrument :  
 BNA\_F  
 ClientSampled :  
 72-12002

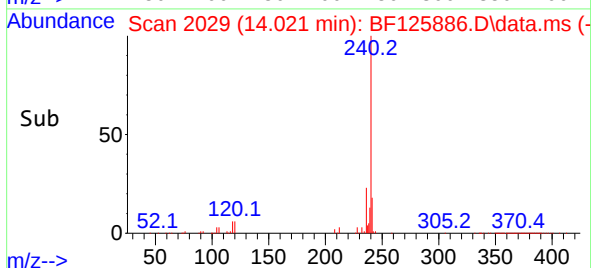
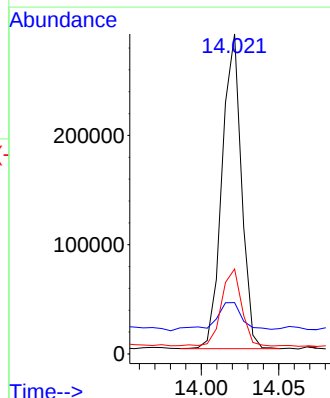
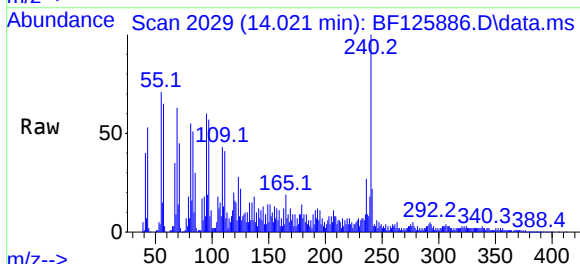
Manual Integrations  
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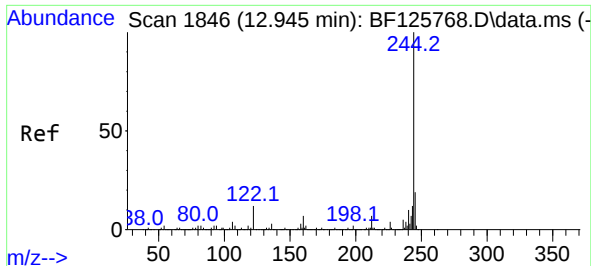
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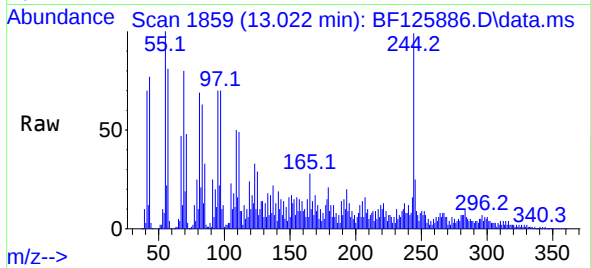
#76  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 14.021 min Scan# 2029  
 Delta R.T. 0.047 min  
 Lab File: BF125886.D  
 Acq: 18 Oct 2021 19:55

Tgt Ion:240 Resp: 250822  
 Ion Ratio Lower Upper  
 240 100  
 120 16.1 10.8 16.2  
 236 26.5 21.6 32.4

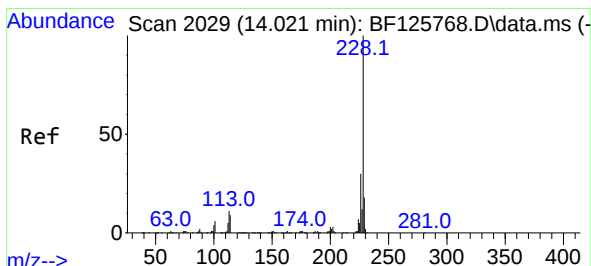
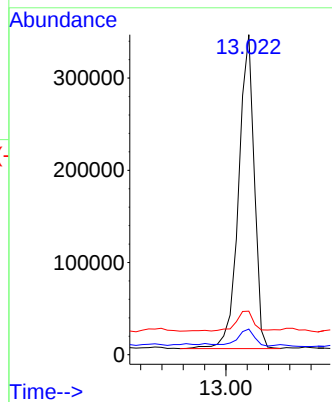
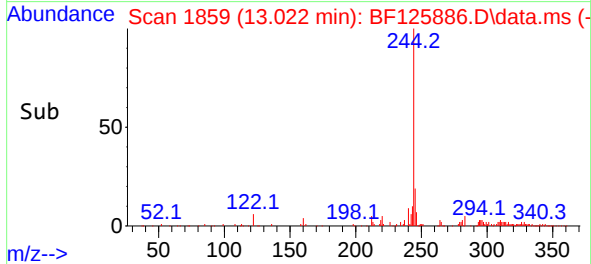




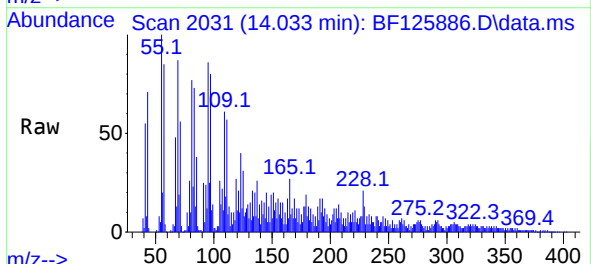
#79  
Terphenyl-d14  
Concen: 21.19 ng  
RT: 13.022 min Scan# 1859  
Delta R.T. 0.100 min  
Lab File: BF125886.D  
Acq: 18 Oct 2021 19:55



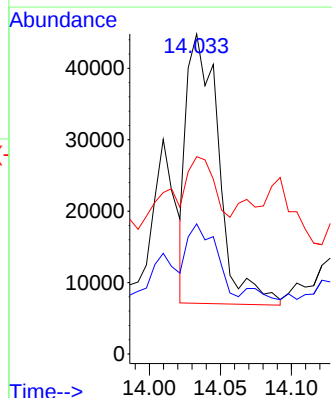
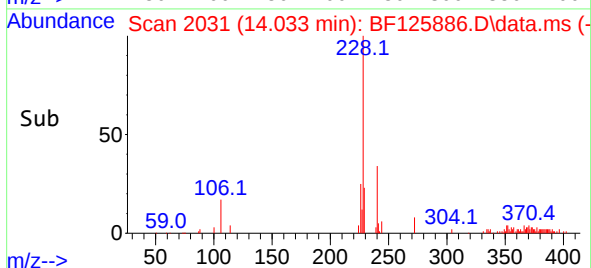
Tgt Ion:244 Resp: 348959  
Ion Ratio Lower Upper  
244 100  
212 8.0 5.9 8.9  
122 13.6 9.0 13.4#



#83  
Chrysene  
Concen: 3.67 ng  
RT: 14.033 min Scan# 2031  
Delta R.T. 0.030 min  
Lab File: BF125886.D  
Acq: 18 Oct 2021 19:55



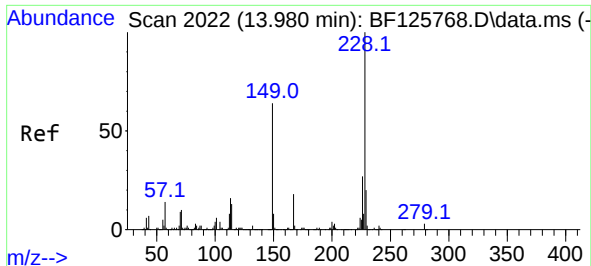
Tgt Ion:228 Resp: 59002  
Ion Ratio Lower Upper  
228 100  
226 40.6 22.6 34.0#  
229 61.7 15.9 23.9#



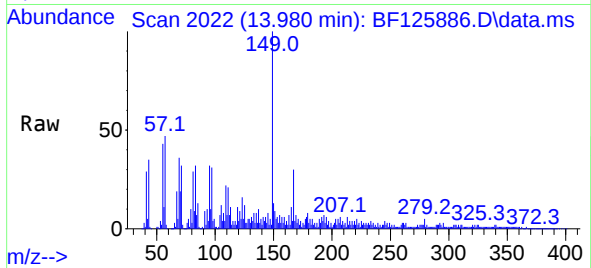
Instrument :  
BNA\_F  
ClientSampled :  
72-12002

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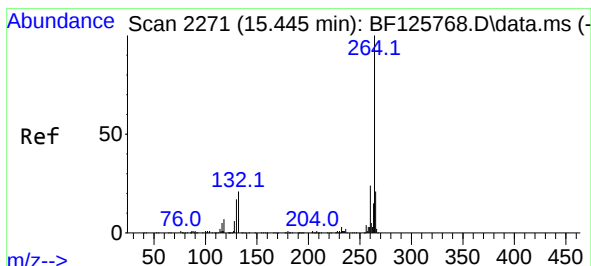
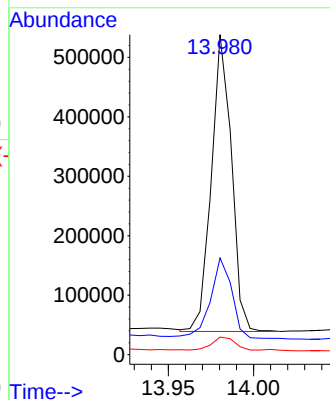
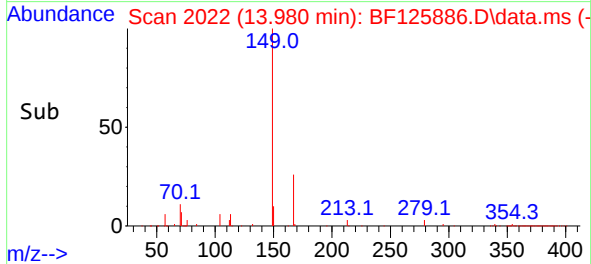
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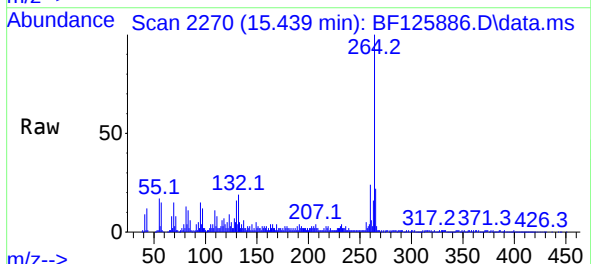
#84  
Bis(2-ethylhexyl)phthalate  
Concen: 46.08 ng  
RT: 13.980 min Scan# 2022  
Delta R.T. 0.024 min  
Lab File: BF125886.D  
Acq: 18 Oct 2021 19:55



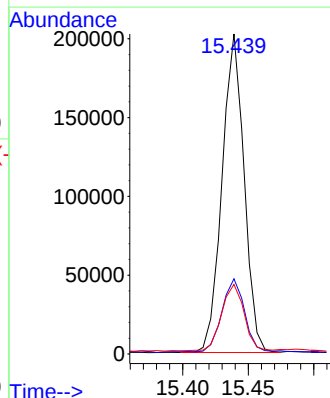
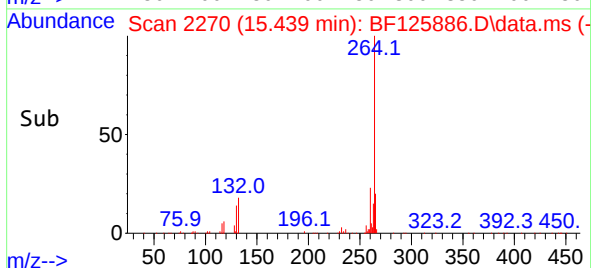
Tgt Ion:149 Resp: 409531  
Ion Ratio Lower Upper  
149 100  
167 30.2 21.4 32.0  
279 5.5 2.6 4.0#



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.439 min Scan# 2270  
Delta R.T. 0.018 min  
Lab File: BF125886.D  
Acq: 18 Oct 2021 19:55



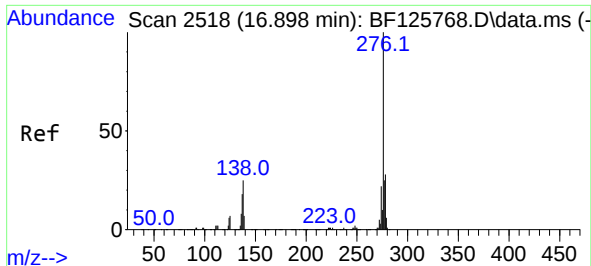
Tgt Ion:264 Resp: 236253  
Ion Ratio Lower Upper  
264 100  
260 23.5 19.6 29.4  
265 21.8 17.2 25.8



Instrument :  
BNA\_F  
ClientSampled :  
72-12002

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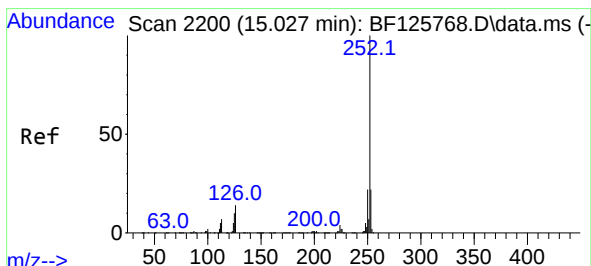
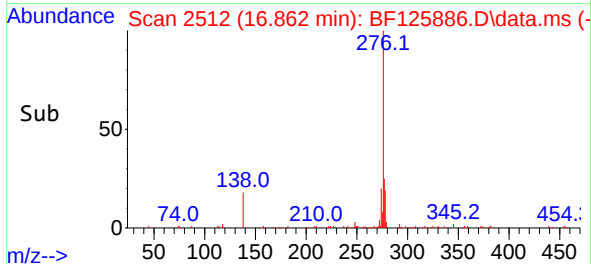
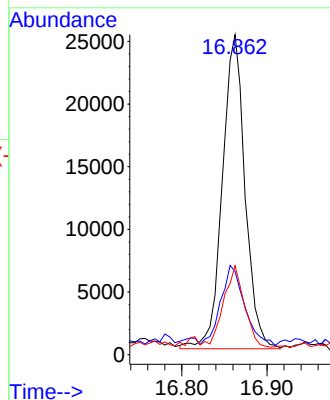
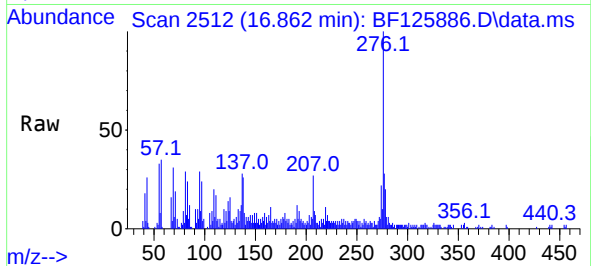
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 2.57 ng  
RT: 16.862 min Scan# 2512  
Delta R.T. 0.000 min  
Lab File: BF125886.D  
Acq: 18 Oct 2021 19:55

Tgt Ion: 276 Resp: 46406  
Ion Ratio Lower Upper  
276 100  
138 26.9 24.1 36.1  
277 23.7 18.8 28.2

Instrument :  
BNA\_F  
ClientSampled :  
72-12002

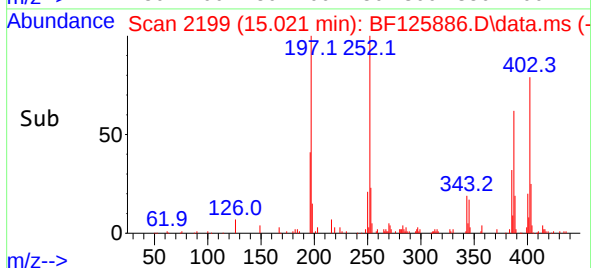
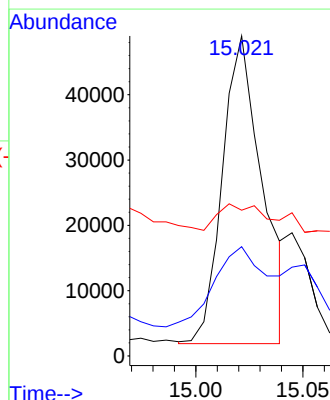
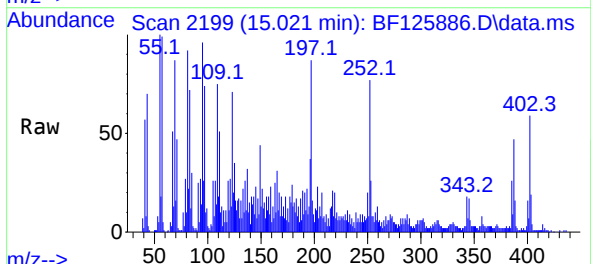
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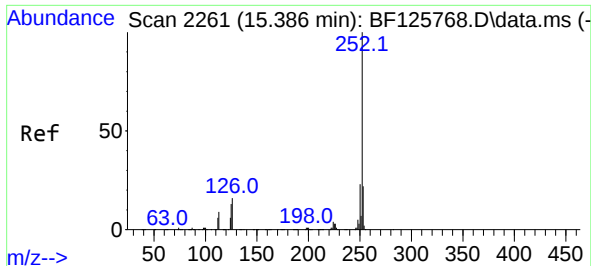
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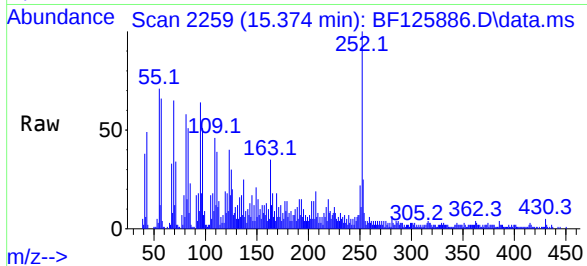
#88  
Benzo(b)fluoranthene  
Concen: 4.57 ng m  
RT: 15.021 min Scan# 2199  
Delta R.T. 0.018 min  
Lab File: BF125886.D  
Acq: 18 Oct 2021 19:55

Tgt Ion: 252 Resp: 61008  
Ion Ratio Lower Upper  
252 100  
253 34.2 16.8 25.2#  
125 45.6 9.8 14.8#

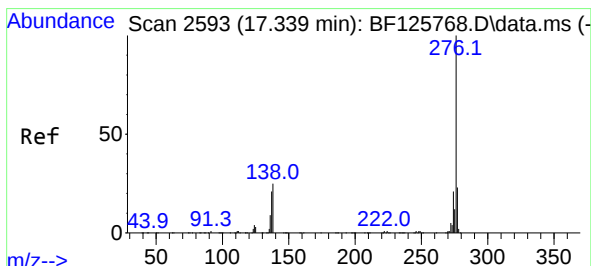
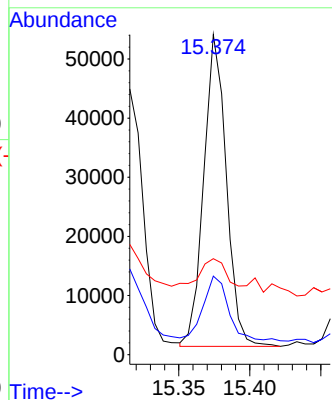
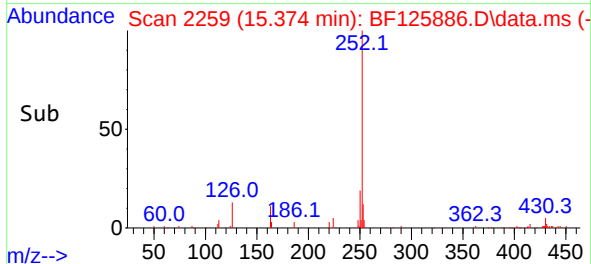




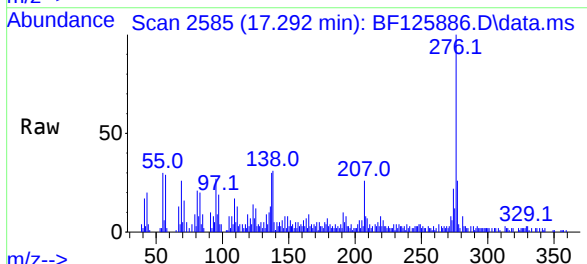
#90  
Benzo(a)pyrene  
Concen: 4.94 ng  
RT: 15.374 min Scan# 2259  
Delta R.T. 0.012 min  
Lab File: BF125886.D  
Acq: 18 Oct 2021 19:55



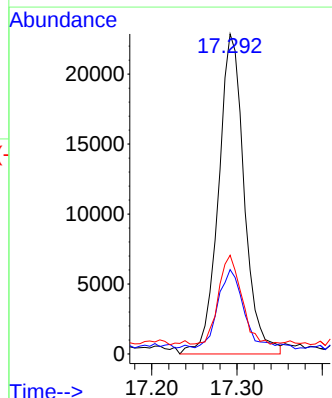
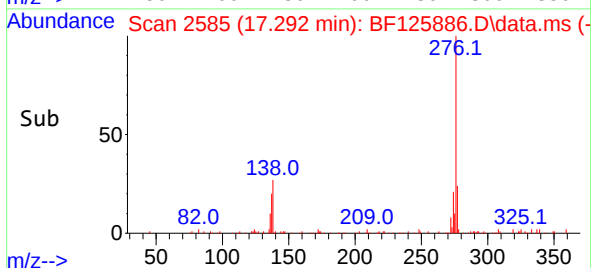
Tgt Ion:252 Resp: 58325  
Ion Ratio Lower Upper  
252 100  
253 24.5 18.4 27.6  
125 30.0 9.9 14.9#



#92  
Benzo(g,h,i)perylene  
Concen: 3.16 ng  
RT: 17.292 min Scan# 2585  
Delta R.T. -0.006 min  
Lab File: BF125886.D  
Acq: 18 Oct 2021 19:55



Tgt Ion:276 Resp: 48012  
Ion Ratio Lower Upper  
276 100  
277 26.3 22.0 33.0  
138 30.8 22.2 33.4



Instrument :  
BNA\_F  
ClientSampleId :  
72-12002

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