

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102821\  
 Data File : BF125984.D  
 Acq On : 28 Oct 2021 12:36  
 Operator : JU/CG  
 Sample : M4358-07  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TH-GS

Manual Integrations  
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Quant Time: Oct 28 15:21:36 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF102521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 28 12:01:54 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.857  | 152  | 163619   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.140  | 136  | 637176   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 9.892  | 164  | 329270   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.375 | 188  | 531308   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.010 | 240  | 398842   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12            | 15.474 | 264  | 400037   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.469  | 112  | 1050175  | 95.604 | ng    | 0.00     |
| 7) Phenol-d6                | 6.481  | 99   | 1332075  | 88.414 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.416  | 82   | 868604   | 70.415 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.675 | 330  | 269412   | 93.859 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.216  | 172  | 1318071  | 70.790 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.963 | 244  | 1122415  | 46.032 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 11.398 | 178  | 68912    | 2.500  | ng    | 98       |
| 75) Fluoranthene            | 12.586 | 202  | 136963   | 4.928  | ng    | 99       |
| 78) Pyrene                  | 12.816 | 202  | 187955   | 5.064  | ng    | 99       |
| 81) Benzo(a)anthracene      | 13.998 | 228  | 88356m   | 3.291  | ng    |          |
| 83) Chrysene                | 14.033 | 228  | 96300    | 3.546  | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 15.051 | 252  | 105376m  | 3.991  | ng    |          |
| 90) Benzo(a)pyrene          | 15.410 | 252  | 76998    | 3.612  | ng    | 96       |
| -----                       |        |      |          |        |       |          |

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

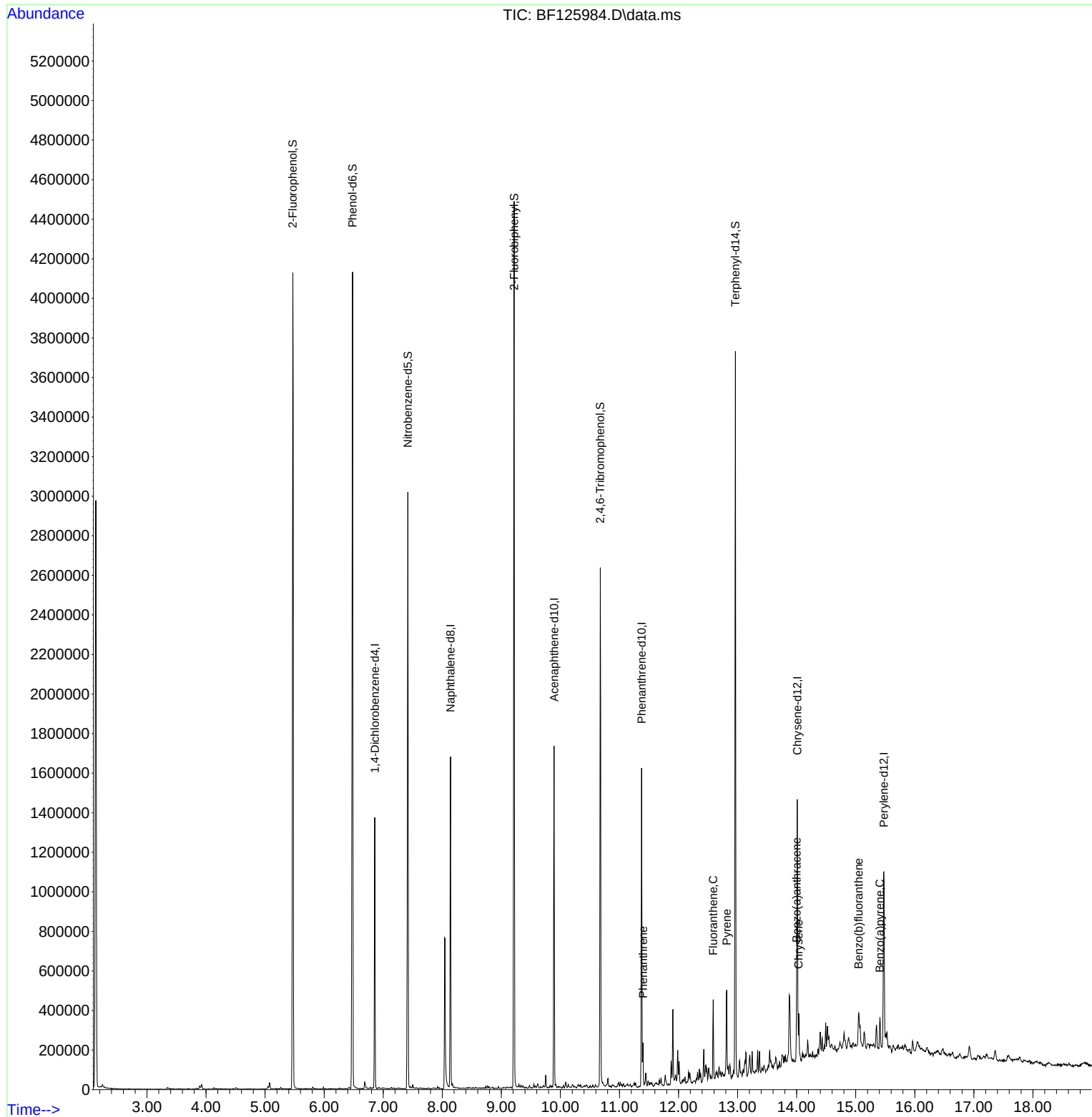
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102821\  
Data File : BF125984.D  
Acq On : 28 Oct 2021 12:36  
Operator : JU/CG  
Sample : M4358-07  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

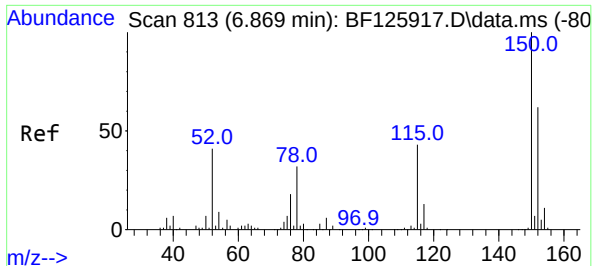
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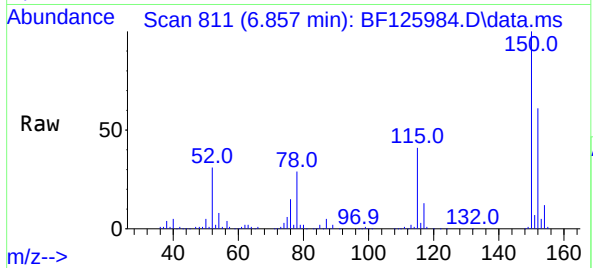
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Quant Time: Oct 28 15:21:36 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF102521.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 28 12:01:54 2021  
Response via : Initial Calibration

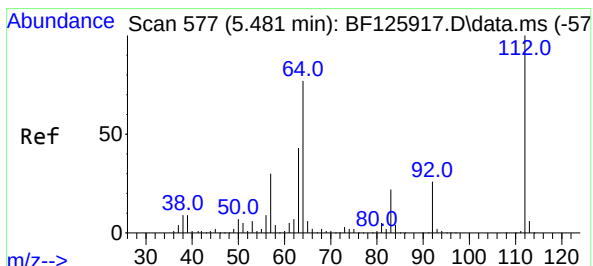
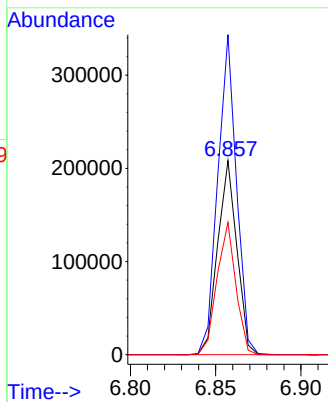
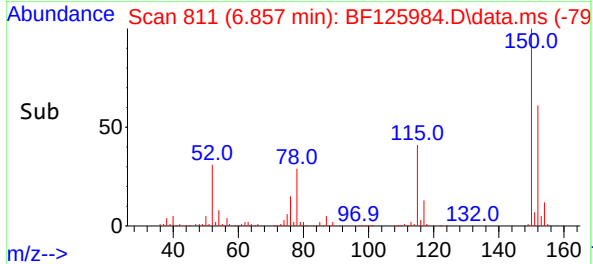




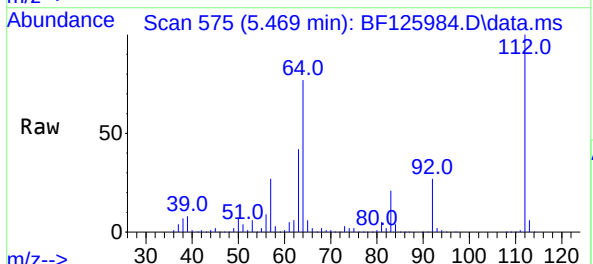
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.857 min Scan# 811  
Delta R.T. -0.006 min  
Lab File: BF125984.D  
Acq: 28 Oct 2021 12:36



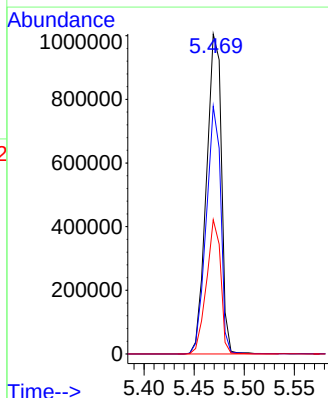
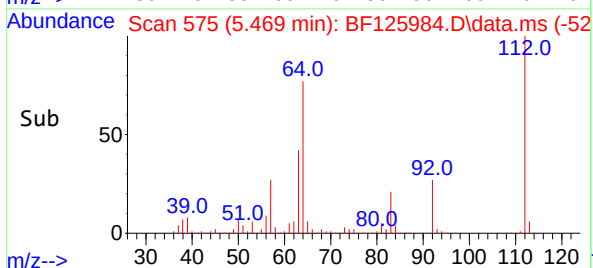
Tgt Ion:152 Resp: 163619  
Ion Ratio Lower Upper  
152 100  
150 164.9 117.6 176.4  
115 68.1 47.1 70.7



#5  
2-Fluorophenol  
Concen: 95.604 ng  
RT: 5.469 min Scan# 575  
Delta R.T. -0.006 min  
Lab File: BF125984.D  
Acq: 28 Oct 2021 12:36



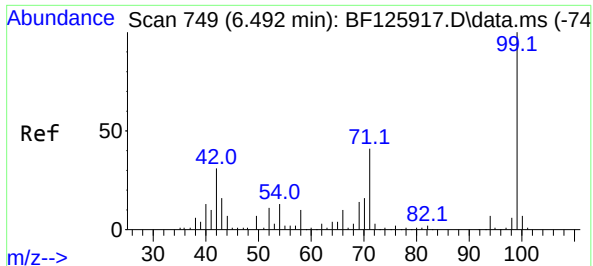
Tgt Ion:112 Resp: 1050175  
Ion Ratio Lower Upper  
112 100  
64 77.4 44.2 66.2#  
63 41.9 26.2 39.2#



Instrument :  
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#7  
Phenol-d6  
Concen: 88.414 ng  
RT: 6.481 min Scan# 747  
Delta R.T. -0.006 min  
Lab File: BF125984.D  
Acq: 28 Oct 2021 12:36

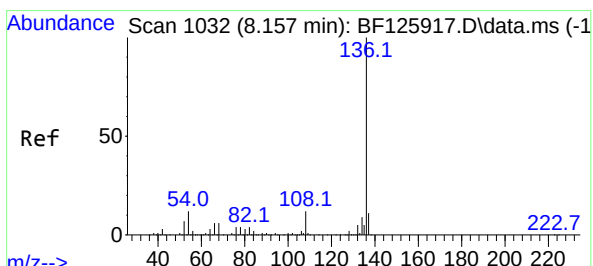
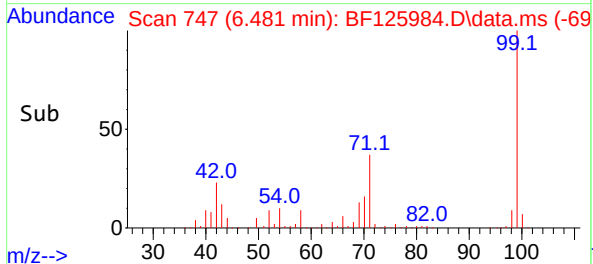
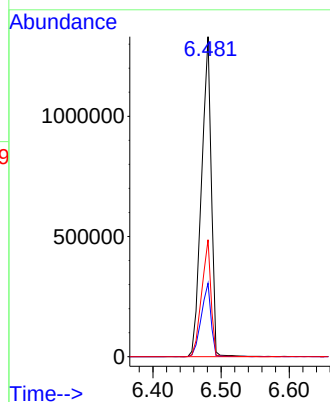
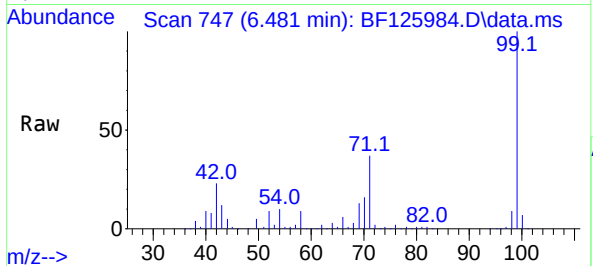
Tgt Ion: 99 Resp: 1332075

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 23.0  | 23.5  | 35.3# |
| 71  | 36.6  | 25.6  | 38.4  |

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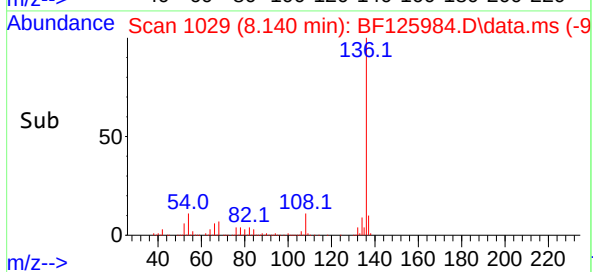
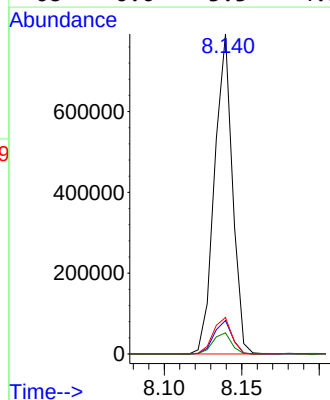
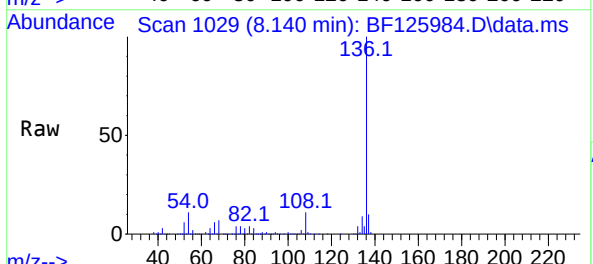
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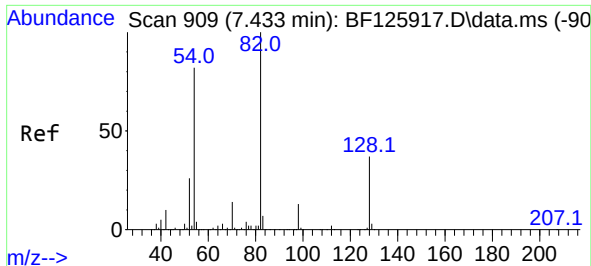


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.140 min Scan# 1029  
Delta R.T. -0.006 min  
Lab File: BF125984.D  
Acq: 28 Oct 2021 12:36

Tgt Ion: 136 Resp: 637176

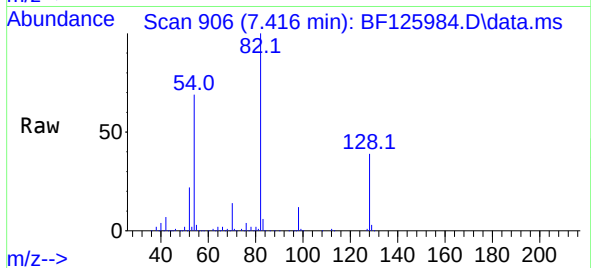
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.4  | 9.8   | 14.6  |
| 54  | 11.4  | 6.4   | 9.6#  |
| 68  | 6.6   | 3.3   | 4.9#  |





#23  
Nitrobenzene-d5  
Concen: 70.415 ng  
RT: 7.416 min Scan# 906  
Delta R.T. -0.012 min  
Lab File: BF125984.D  
Acq: 28 Oct 2021 12:36

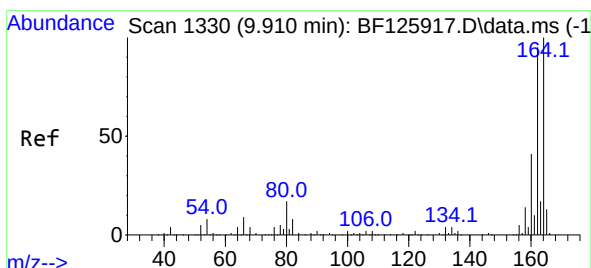
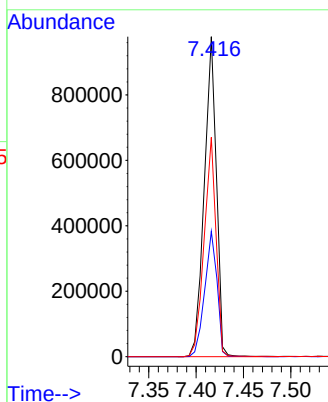
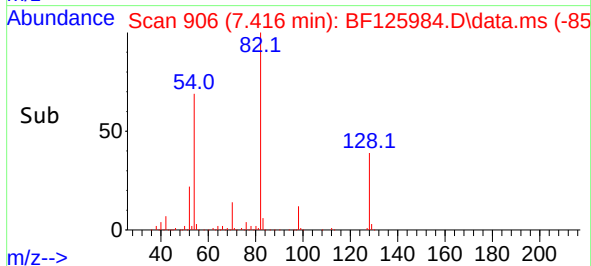
Instrument :  
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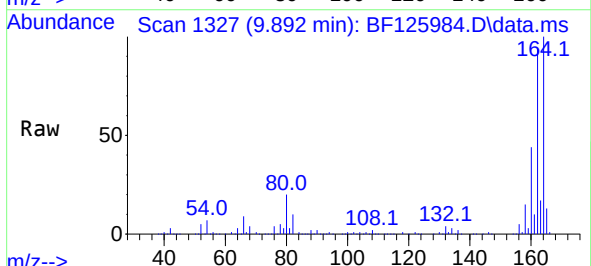
Tgt Ion: 82 Resp: 868604  
Ion Ratio Lower Upper  
82 100  
128 39.2 40.6 60.8#  
54 68.5 49.6 74.4

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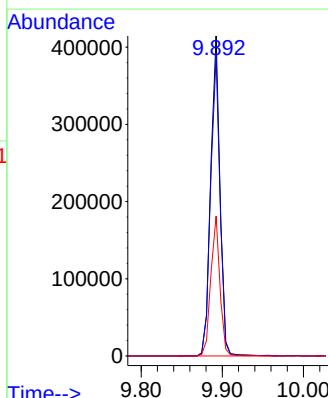
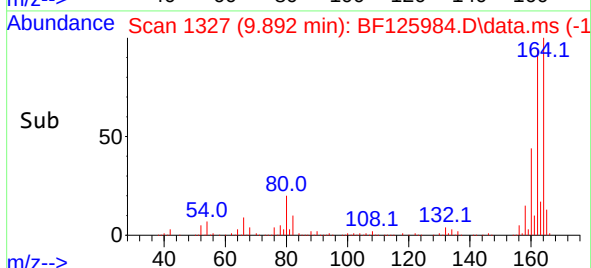
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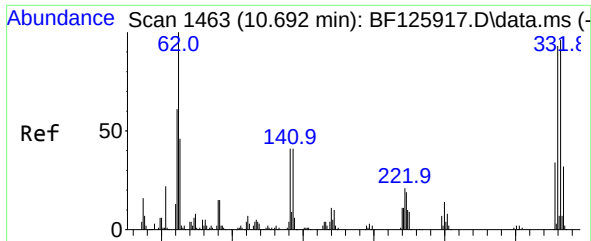


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.892 min Scan# 1327  
Delta R.T. -0.006 min  
Lab File: BF125984.D  
Acq: 28 Oct 2021 12:36



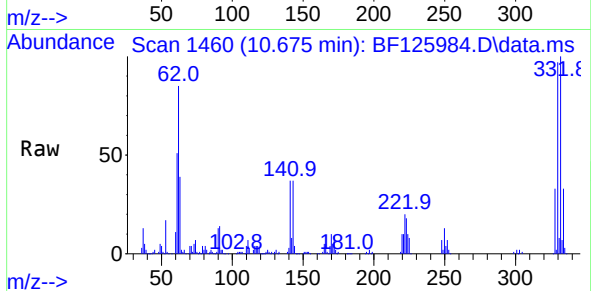
Tgt Ion: 164 Resp: 329270  
Ion Ratio Lower Upper  
164 100  
162 93.7 81.3 121.9  
160 43.7 38.0 57.0





#42  
2,4,6-Tribromophenol  
Concen: 93.859 ng  
RT: 10.675 min Scan# 1460  
Delta R.T. -0.012 min  
Lab File: BF125984.D  
Acq: 28 Oct 2021 12:36

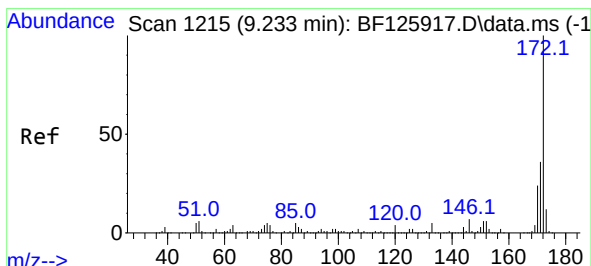
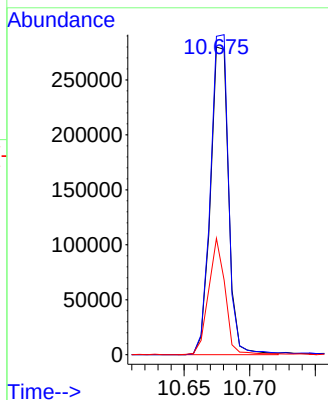
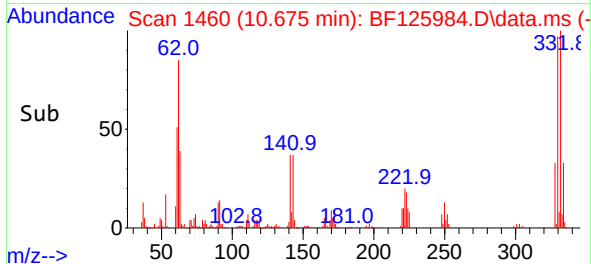
Instrument :  
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ClientSampled :  
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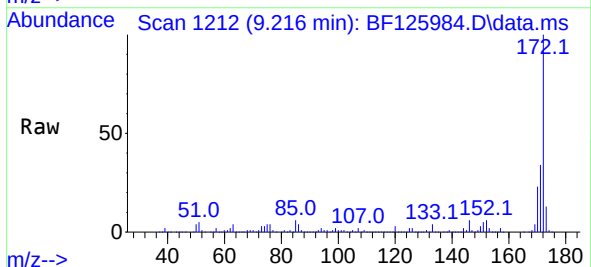
Tgt Ion:330 Resp: 269412  
Ion Ratio Lower Upper  
330 100  
332 103.9 76.2 114.4  
141 35.0 44.6 66.8#

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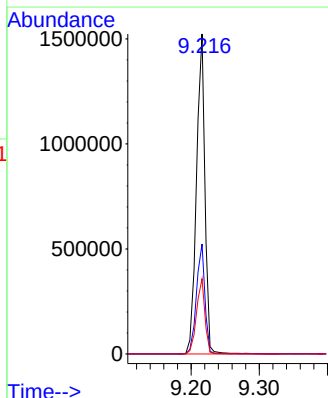
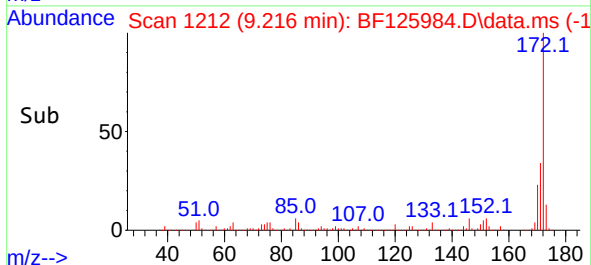
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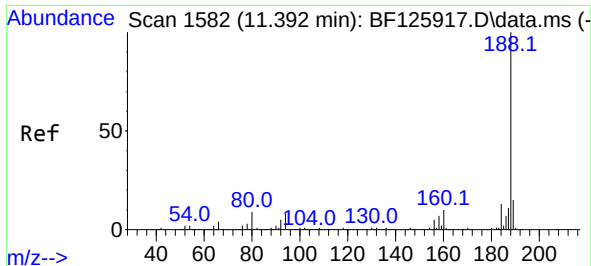


#45  
2-Fluorobiphenyl  
Concen: 70.790 ng  
RT: 9.216 min Scan# 1212  
Delta R.T. -0.006 min  
Lab File: BF125984.D  
Acq: 28 Oct 2021 12:36



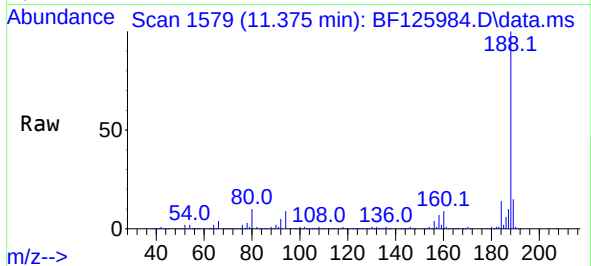
Tgt Ion:172 Resp: 1318071  
Ion Ratio Lower Upper  
172 100  
171 34.3 26.5 39.7  
170 23.5 18.8 28.2





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.375 min Scan# 1579  
Delta R.T. -0.006 min  
Lab File: BF125984.D  
Acq: 28 Oct 2021 12:36

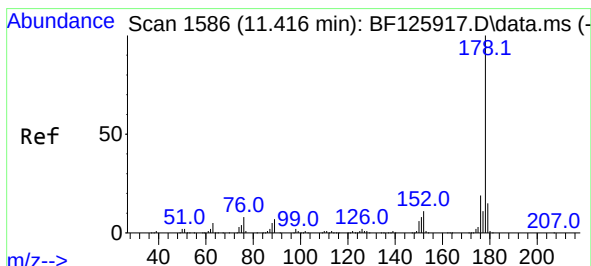
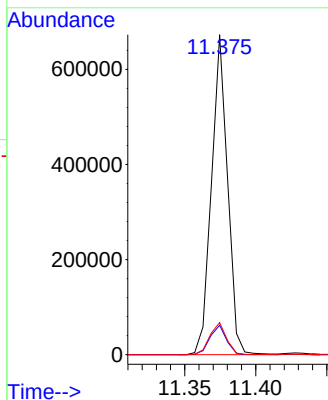
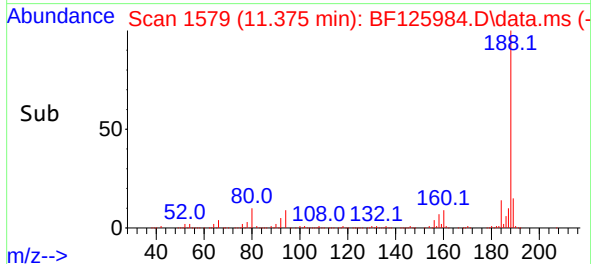
Instrument :  
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ClientSampled :  
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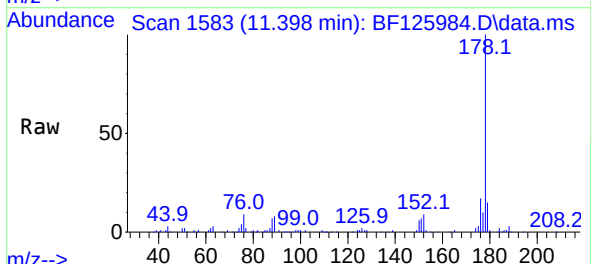
Tgt Ion:188 Resp: 531308  
Ion Ratio Lower Upper  
188 100  
94 9.2 6.7 10.1  
80 10.0 7.5 11.3

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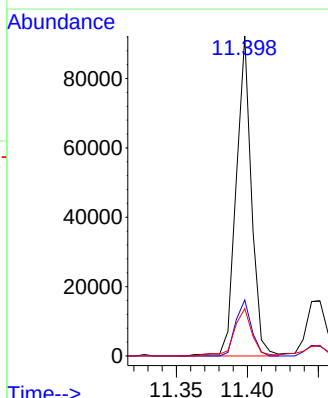
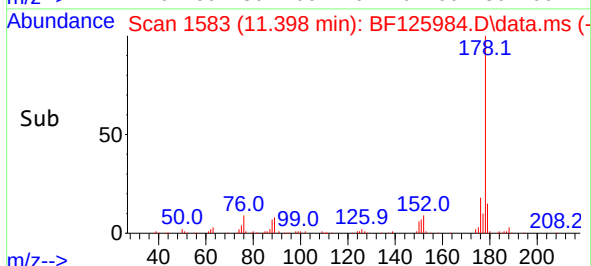
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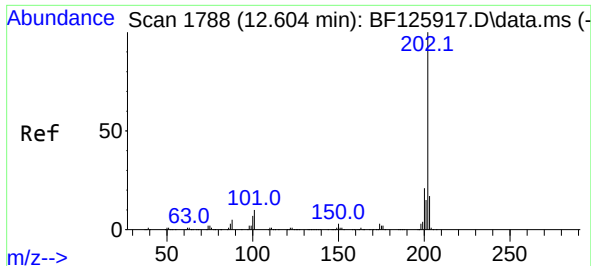


#71  
Phenanthrene  
Concen: 2.500 ng  
RT: 11.398 min Scan# 1583  
Delta R.T. -0.012 min  
Lab File: BF125984.D  
Acq: 28 Oct 2021 12:36

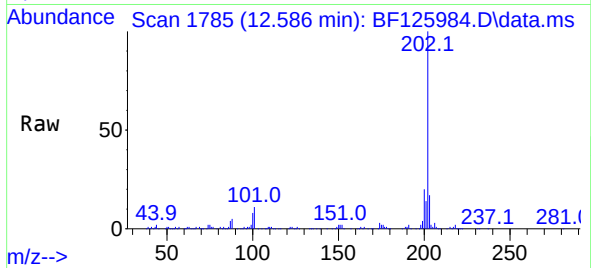


Tgt Ion:178 Resp: 68912  
Ion Ratio Lower Upper  
178 100  
176 17.5 14.7 22.1  
179 14.8 11.5 17.3

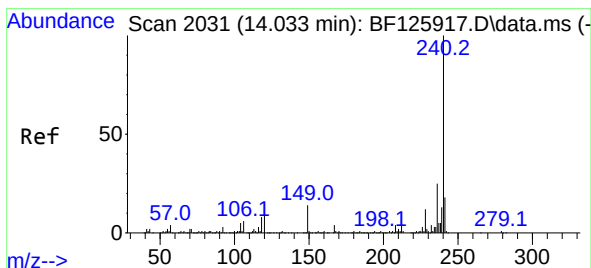
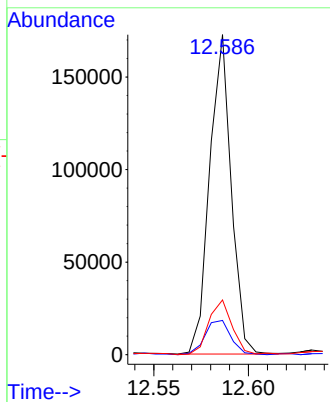
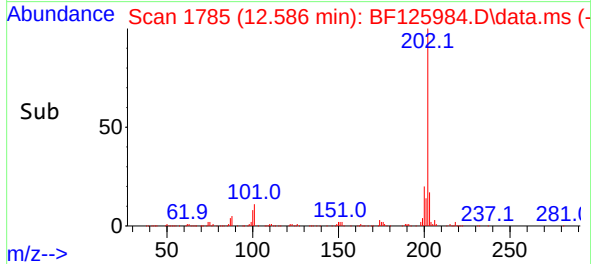




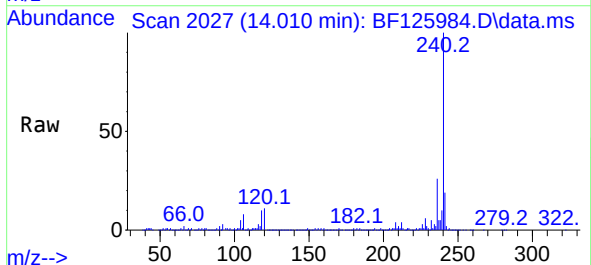
#75  
Fluoranthene  
Concen: 4.928 ng  
RT: 12.586 min Scan# 1785  
Delta R.T. -0.006 min  
Lab File: BF125984.D  
Acq: 28 Oct 2021 12:36



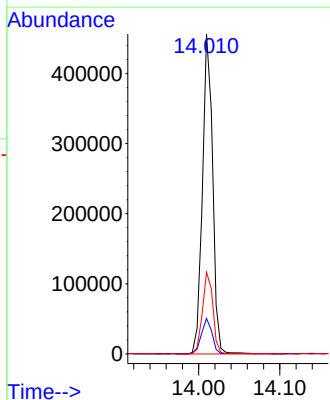
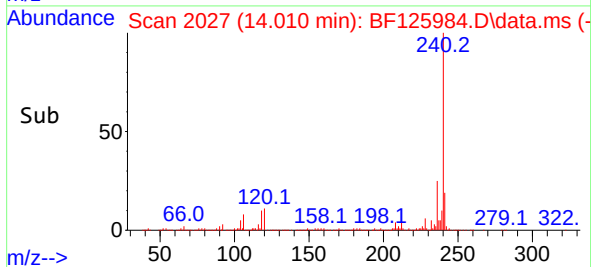
Tgt Ion:202 Resp: 136963  
Ion Ratio Lower Upper  
202 100  
101 10.7 0.0 30.7  
203 17.1 0.0 36.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.010 min Scan# 2027  
Delta R.T. -0.012 min  
Lab File: BF125984.D  
Acq: 28 Oct 2021 12:36



Tgt Ion:240 Resp: 398842  
Ion Ratio Lower Upper  
240 100  
120 11.1 10.8 16.2  
236 25.5 21.6 32.4

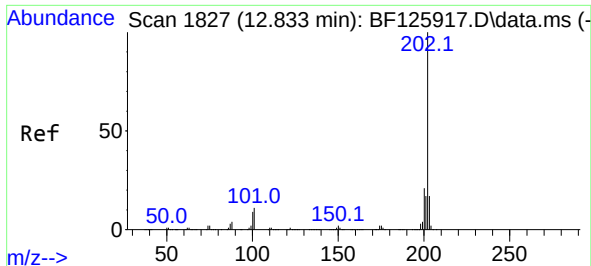


Instrument :  
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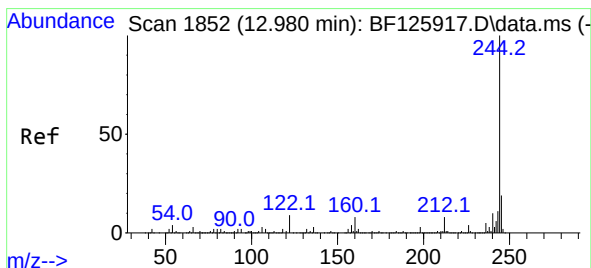
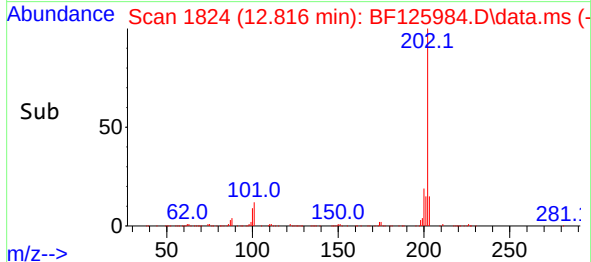
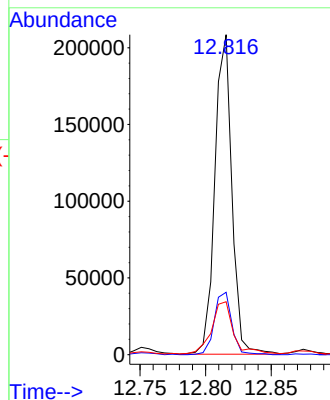
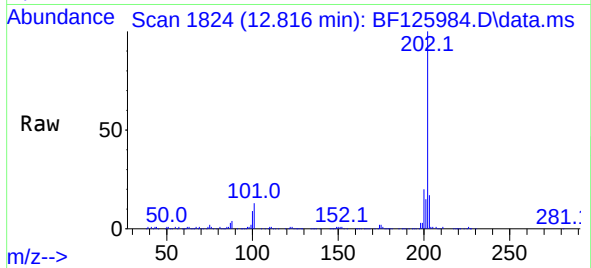
#78  
Pyrene  
Concen: 5.064 ng  
RT: 12.816 min Scan# 1824  
Delta R.T. -0.006 min  
Lab File: BF125984.D  
Acq: 28 Oct 2021 12:36

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 187955 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 19.5  | 15.3  | 22.9   |
| 203       | 16.5  | 13.4  | 20.0   |

Instrument :  
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ClientSampled :  
TH-GS

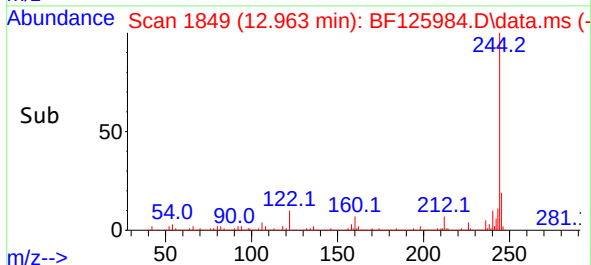
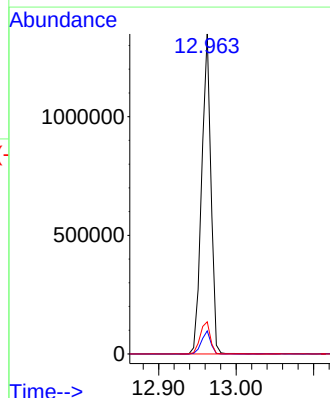
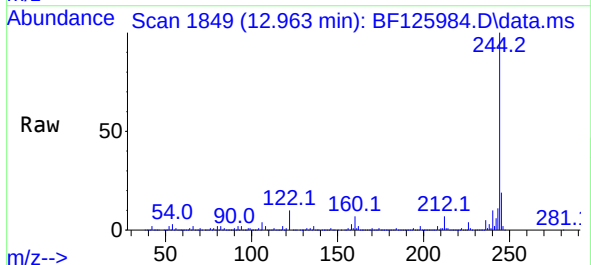
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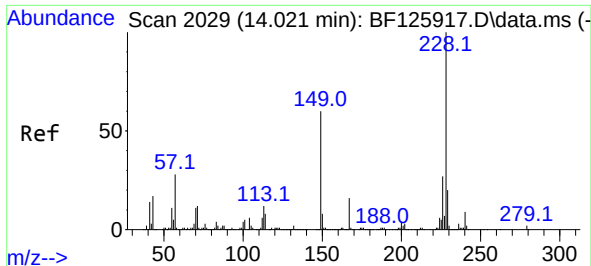
mohammad  
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#79  
Terphenyl-d14  
Concen: 46.032 ng  
RT: 12.963 min Scan# 1849  
Delta R.T. -0.006 min  
Lab File: BF125984.D  
Acq: 28 Oct 2021 12:36

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 244   | Resp: | 1122415 |
| Ion Ratio | Lower | Upper |         |
| 244       | 100   |       |         |
| 212       | 7.2   | 5.9   | 8.9     |
| 122       | 10.1  | 9.0   | 13.4    |





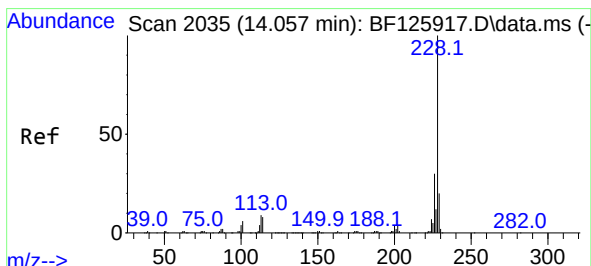
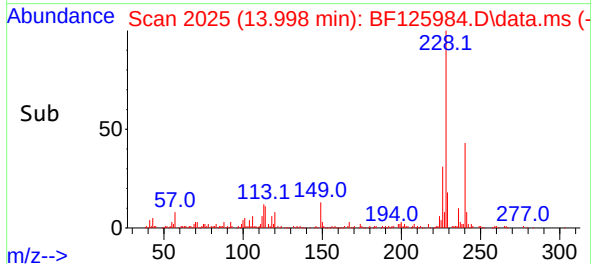
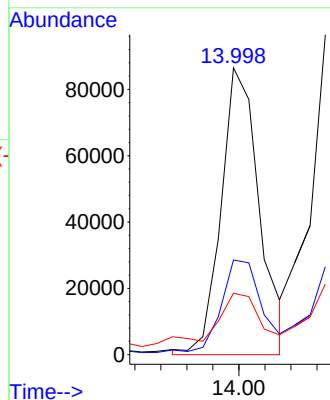
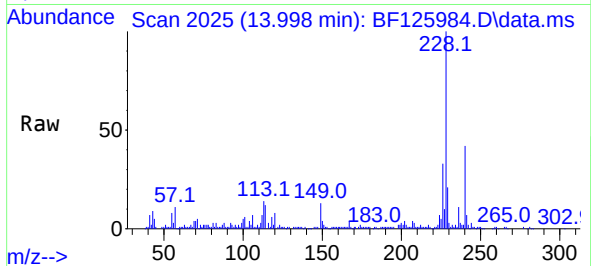
#81  
Benzo(a)anthracene  
Concen: 3.291 ng m  
RT: 13.998 min Scan# 2025  
Delta R.T. -0.012 min  
Lab File: BF125984.D  
Acq: 28 Oct 2021 12:36

Tgt Ion:228 Resp: 88356  
Ion Ratio Lower Upper  
228 100  
226 33.0 21.6 32.4#  
229 21.4 15.6 23.4

Instrument :  
BNA\_F  
ClientSampled :  
TH-GS

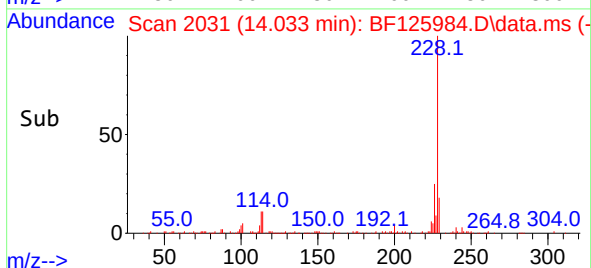
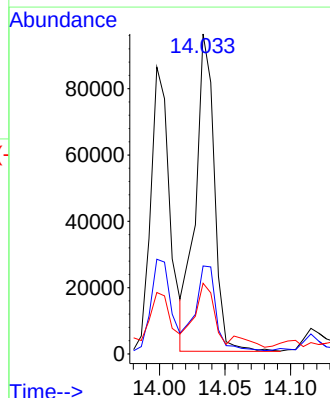
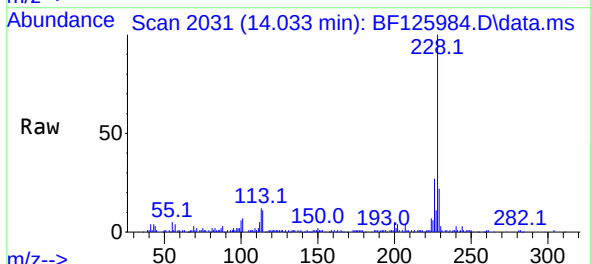
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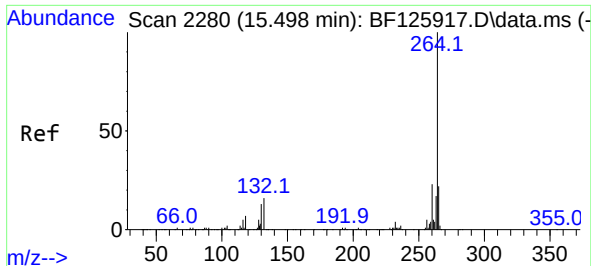
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#83  
Chrysene  
Concen: 3.546 ng  
RT: 14.033 min Scan# 2031  
Delta R.T. -0.012 min  
Lab File: BF125984.D  
Acq: 28 Oct 2021 12:36

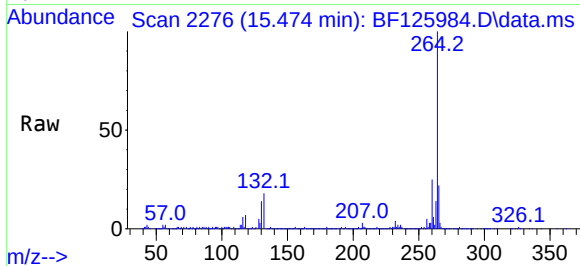
Tgt Ion:228 Resp: 96300  
Ion Ratio Lower Upper  
228 100  
226 27.5 22.6 34.0  
229 22.1 15.9 23.9





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.474 min Scan# 2276  
Delta R.T. -0.006 min  
Lab File: BF125984.D  
Acq: 28 Oct 2021 12:36

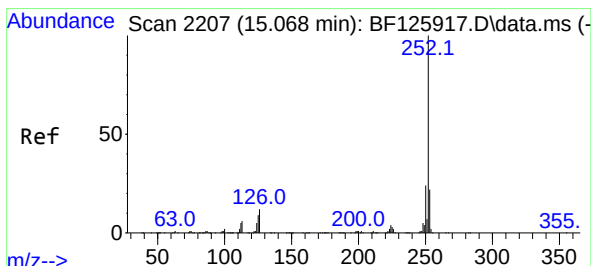
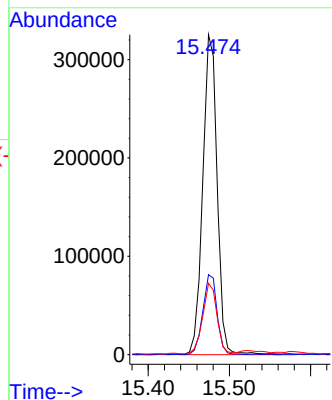
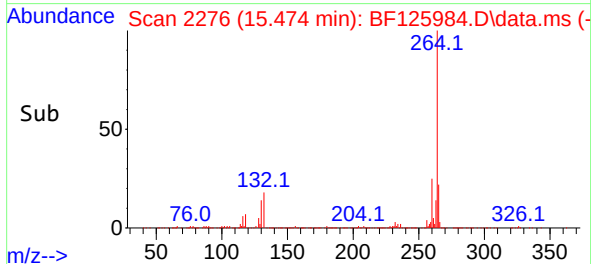
Instrument :  
BNA\_F  
ClientSampled :  
TH-GS



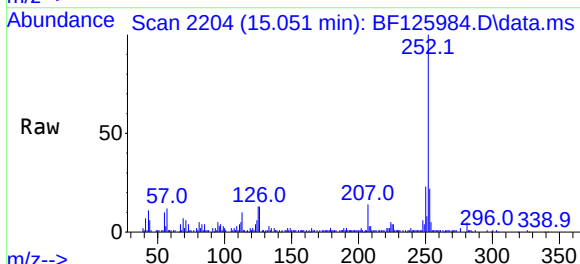
Tgt Ion:264 Resp: 400037  
Ion Ratio Lower Upper  
264 100  
260 25.0 19.6 29.4  
265 22.3 17.2 25.8

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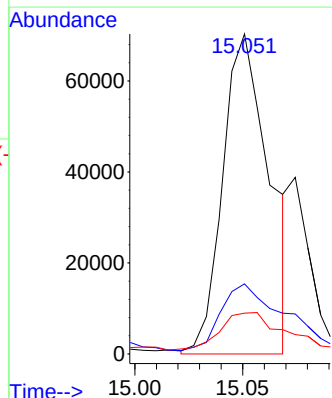
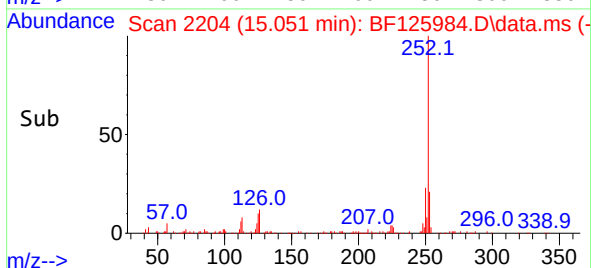
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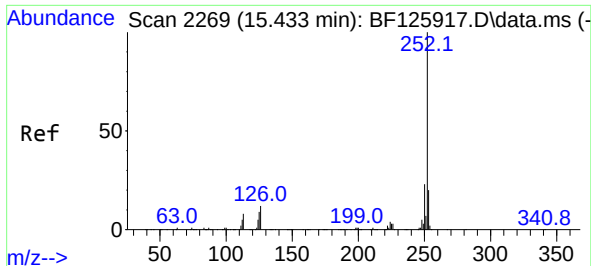


#88  
Benzo(b)fluoranthene  
Concen: 3.991 ng m  
RT: 15.051 min Scan# 2204  
Delta R.T. -0.006 min  
Lab File: BF125984.D  
Acq: 28 Oct 2021 12:36



Tgt Ion:252 Resp: 105376  
Ion Ratio Lower Upper  
252 100  
253 21.9 16.8 25.2  
125 12.7 9.8 14.8





#90  
Benzo(a)pyrene  
Concen: 3.612 ng  
RT: 15.410 min Scan# 2265  
Delta R.T. -0.012 min  
Lab File: BF125984.D  
Acq: 28 Oct 2021 12:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.2  | 18.4  | 27.6  |
| 125     | 14.7  | 9.9   | 14.9  |

Instrument :  
BNA\_F  
ClientSampleId :  
TH-GS

Manual Integrations  
APPROVED

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