

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092521\  
 Data File : BF125664.D  
 Acq On : 25 Sep 2021 19:08  
 Operator : JU/CG  
 Sample : M3943-01  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-DB-1

Manual Integrations  
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Quant Time: Sep 27 01:23:41 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF092421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 24 15:38:32 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.886  | 152  | 263817   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.169  | 136  | 1051072  | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 9.921  | 164  | 543373   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.404 | 188  | 808386   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12            | 14.039 | 240  | 573196   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 15.515 | 264  | 612101   | 20.000 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.504  | 112  | 914628   | 57.119 | ng    | 0.00     |
| 7) Phenol-d6                | 6.504  | 99   | 1108778  | 51.505 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.445  | 82   | 659365   | 43.756 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.710 | 330  | 284288   | 56.114 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.245  | 172  | 1341934  | 36.787 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.986 | 244  | 1010203  | 30.521 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 11.427 | 178  | 114597   | 2.528  | ng    | 98       |
| 75) Fluoranthene            | 12.615 | 202  | 203749   | 4.206  | ng    | 99       |
| 78) Pyrene                  | 12.845 | 202  | 210979   | 4.073  | ng    | 98       |
| 81) Benzo(a)anthracene      | 14.033 | 228  | 103932   | 2.669  | ng    | 97       |
| 83) Chrysene                | 14.062 | 228  | 97756    | 2.502  | ng    | 98       |
| 88) Benzo(b)fluoranthene    | 15.080 | 252  | 138278m  | 3.224  | ng    |          |
| 90) Benzo(a)pyrene          | 15.450 | 252  | 95860    | 2.511  | ng    | 97       |
| -----                       |        |      |          |        |       |          |

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

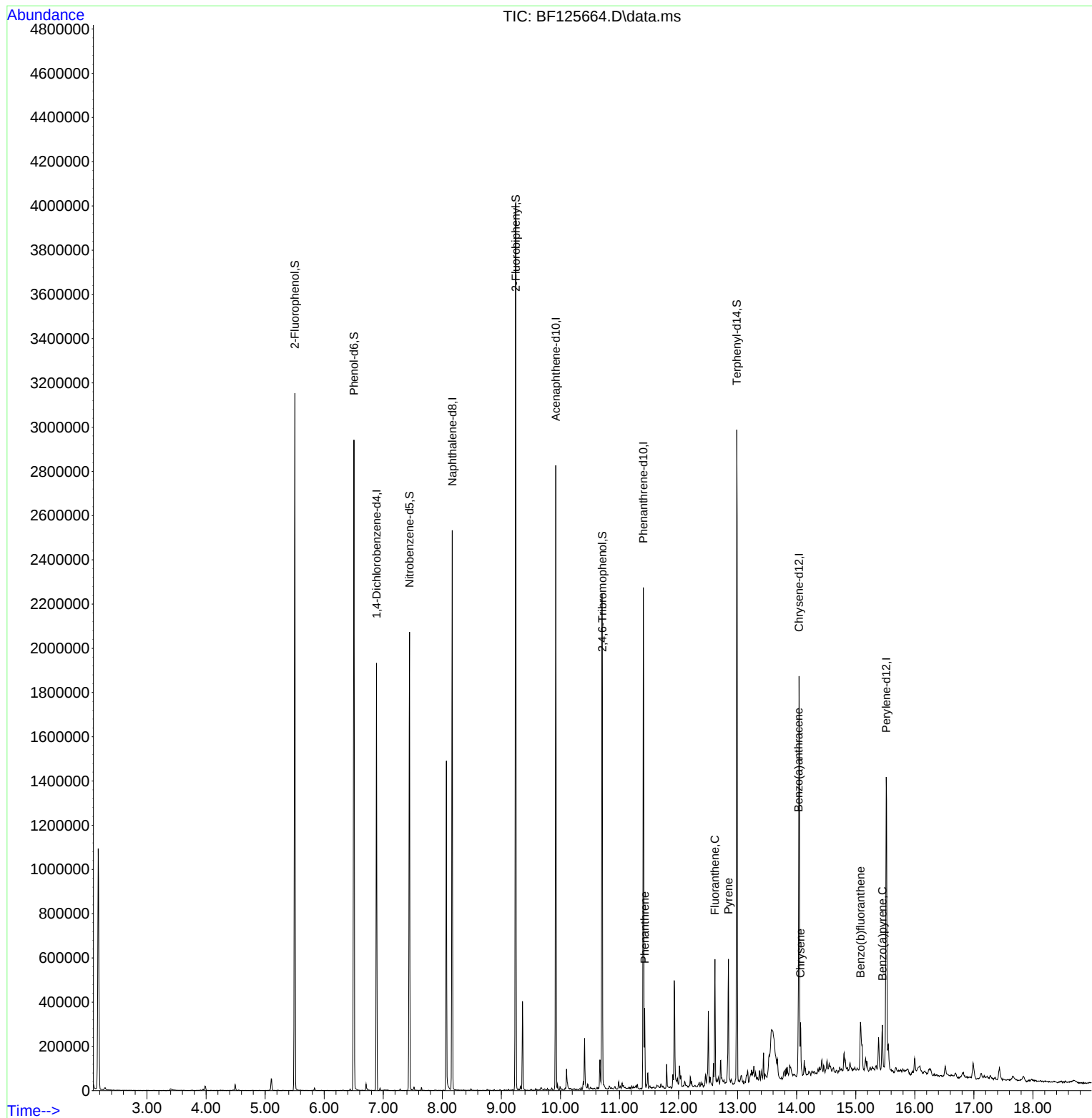
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092521\  
Data File : BF125664.D  
Acq On : 25 Sep 2021 19:08  
Operator : JU/CG  
Sample : M3943-01  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
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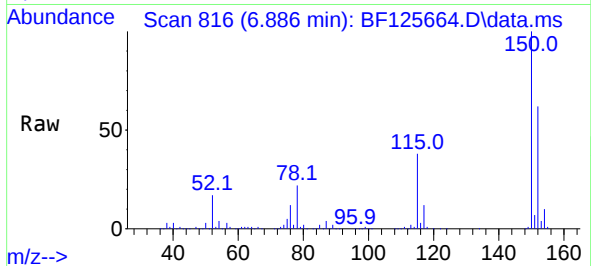
Quant Time: Sep 27 01:23:41 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF092421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 24 15:38:32 2021  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.886 min Scan# 816  
Delta R.T. -0.006 min  
Lab File: BF125664.D  
Acq: 25 Sep 2021 19:08

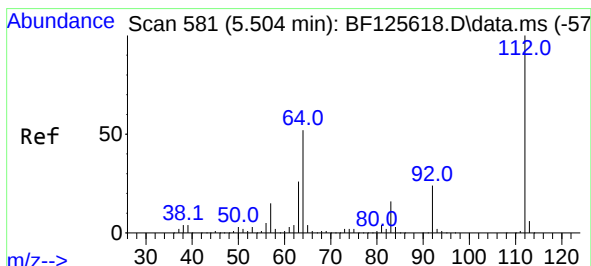
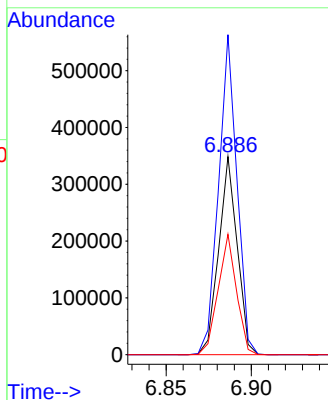
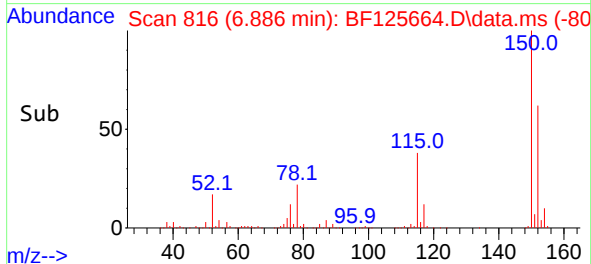
Instrument :  
BNA\_F  
ClientSampled :  
WC-DB-1



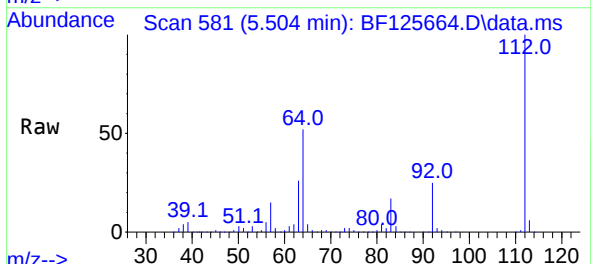
Tgt Ion:152 Resp: 263817  
Ion Ratio Lower Upper  
152 100  
150 161.6 117.6 176.4  
115 60.7 47.1 70.7

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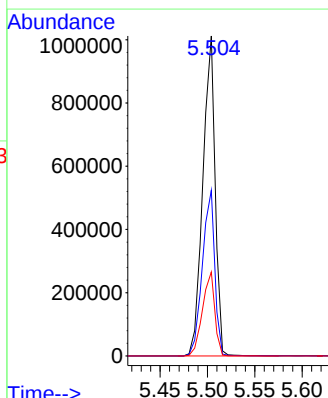
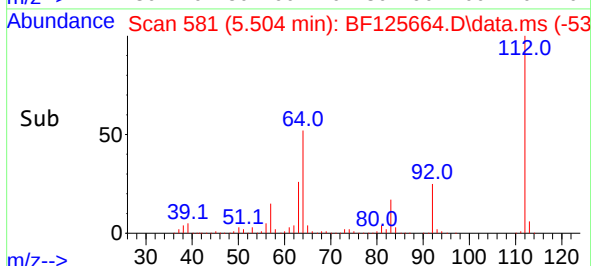
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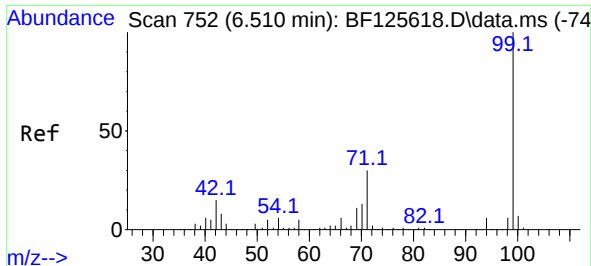


#5  
2-Fluorophenol  
Concen: 57.119 ng  
RT: 5.504 min Scan# 581  
Delta R.T. 0.000 min  
Lab File: BF125664.D  
Acq: 25 Sep 2021 19:08



Tgt Ion:112 Resp: 914628  
Ion Ratio Lower Upper  
112 100  
64 51.7 44.2 66.2  
63 26.3 26.2 39.2





#7  
Phenol-d6  
Concen: 51.505 ng  
RT: 6.504 min Scan# 751  
Delta R.T. -0.006 min  
Lab File: BF125664.D  
Acq: 25 Sep 2021 19:08

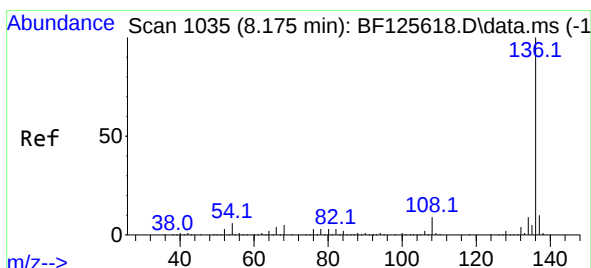
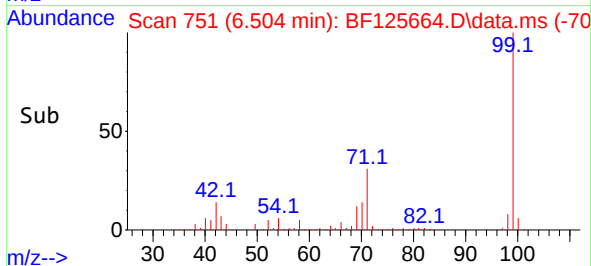
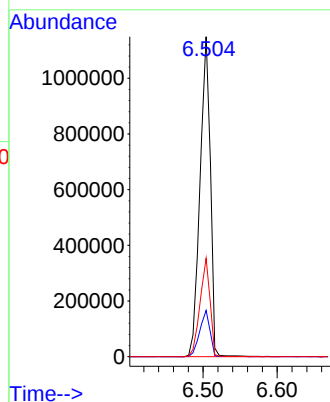
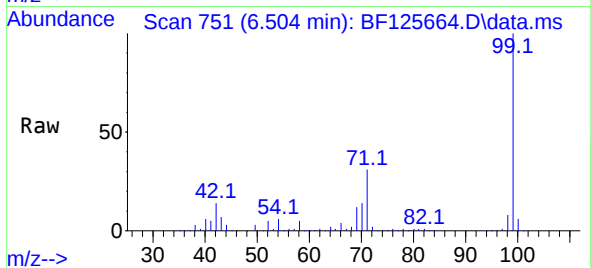
Tgt Ion: 99 Resp: 1108778

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 14.4  | 23.5  | 35.3# |
| 71  | 30.8  | 25.6  | 38.4  |

Instrument :  
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ClientSampleId :  
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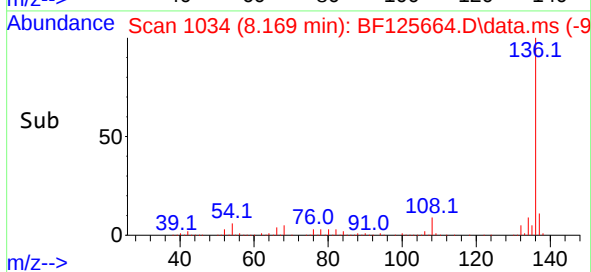
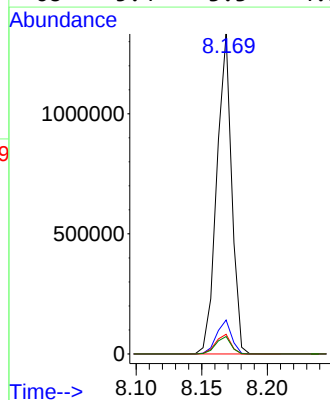
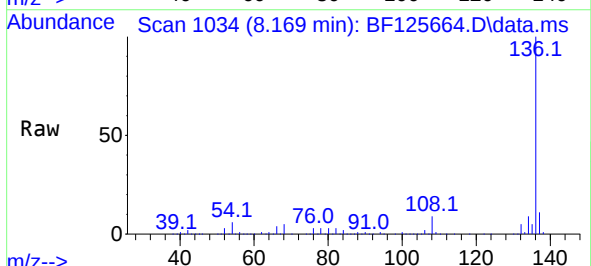
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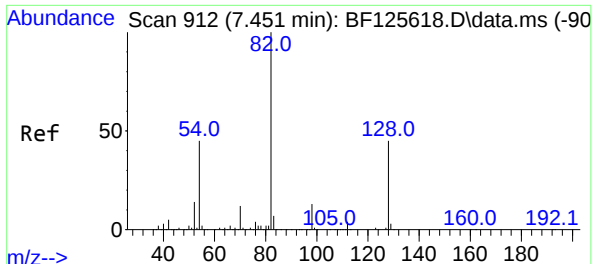


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1034  
Delta R.T. -0.006 min  
Lab File: BF125664.D  
Acq: 25 Sep 2021 19:08

Tgt Ion: 136 Resp: 1051072

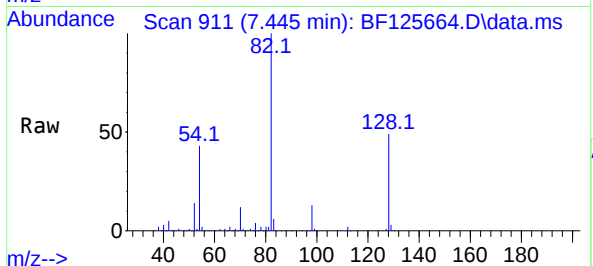
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.6  | 9.8   | 14.6  |
| 54  | 6.2   | 6.4   | 9.6#  |
| 68  | 5.4   | 3.3   | 4.9#  |





#23  
Nitrobenzene-d5  
Concen: 43.756 ng  
RT: 7.445 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: BF125664.D  
Acq: 25 Sep 2021 19:08

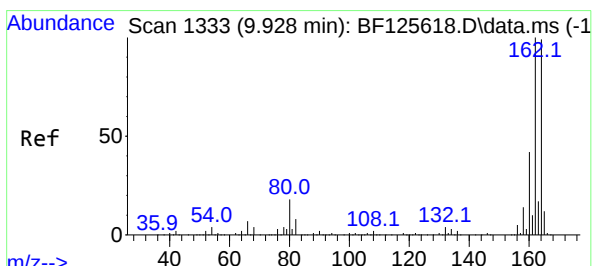
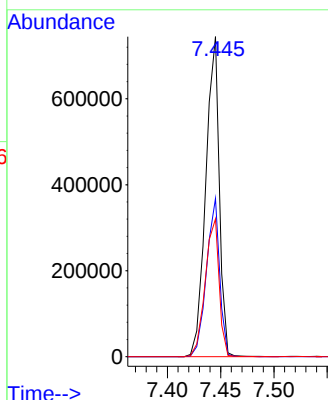
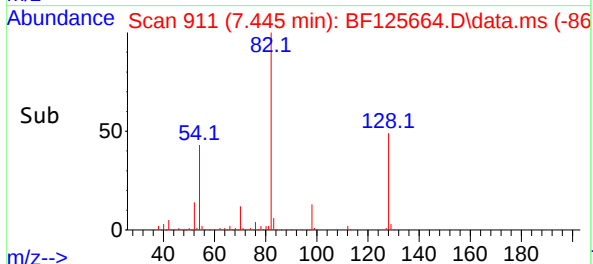
Instrument :  
BNA\_F  
ClientSampled :  
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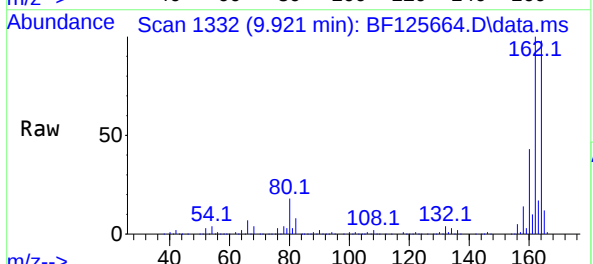
Tgt Ion: 82 Resp: 659365  
Ion Ratio Lower Upper  
82 100  
128 49.5 40.6 60.8  
54 43.1 49.6 74.4#

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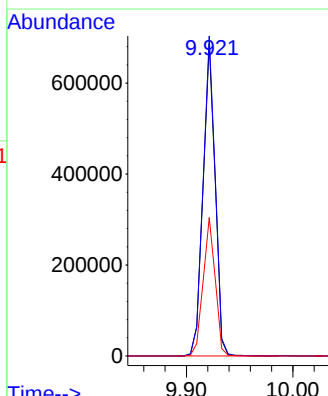
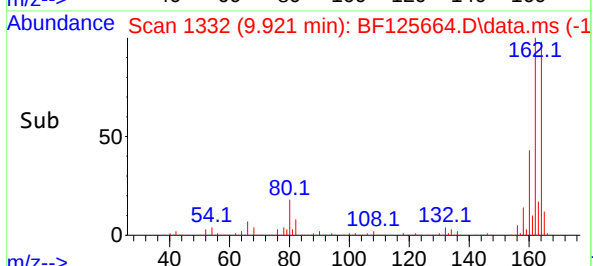
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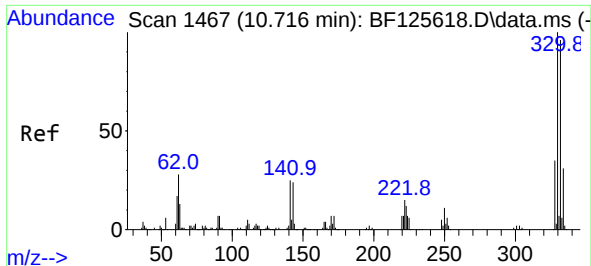


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.921 min Scan# 1332  
Delta R.T. -0.007 min  
Lab File: BF125664.D  
Acq: 25 Sep 2021 19:08



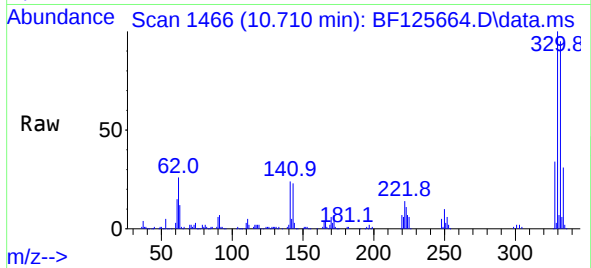
Tgt Ion: 164 Resp: 543373  
Ion Ratio Lower Upper  
164 100  
162 102.4 81.3 121.9  
160 44.3 38.0 57.0





#42  
2,4,6-Tribromophenol  
Concen: 56.114 ng  
RT: 10.710 min Scan# 1466  
Delta R.T. -0.006 min  
Lab File: BF125664.D  
Acq: 25 Sep 2021 19:08

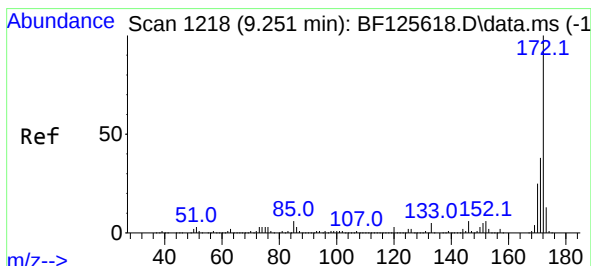
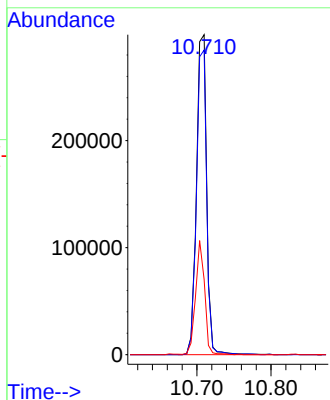
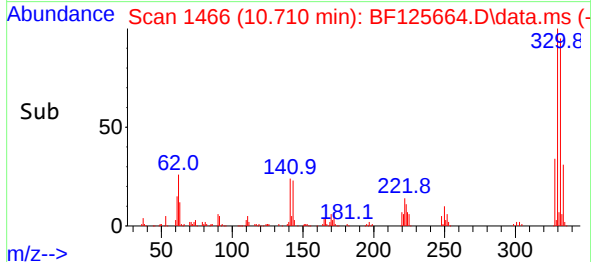
Instrument :  
BNA\_F  
ClientSampleID :  
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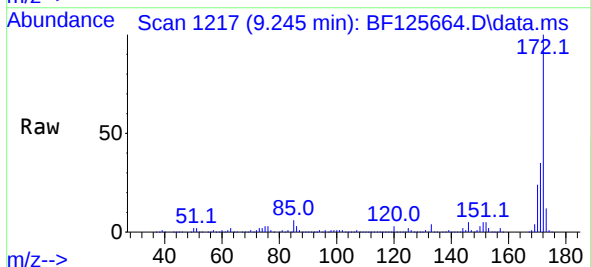
Tgt Ion: 330 Resp: 284288  
Ion Ratio Lower Upper  
330 100  
332 95.2 76.2 114.4  
141 31.9 44.6 66.8#

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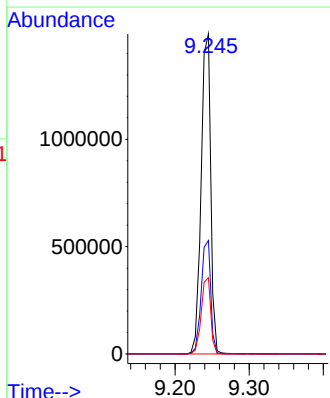
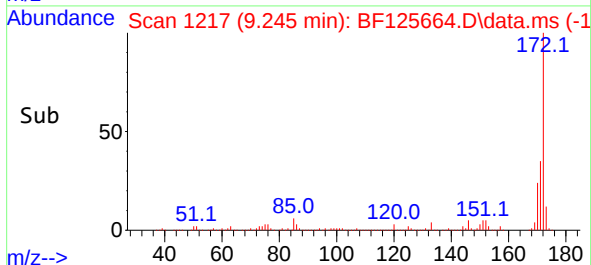
mohammad  
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#45  
2-Fluorobiphenyl  
Concen: 36.787 ng  
RT: 9.245 min Scan# 1217  
Delta R.T. -0.006 min  
Lab File: BF125664.D  
Acq: 25 Sep 2021 19:08



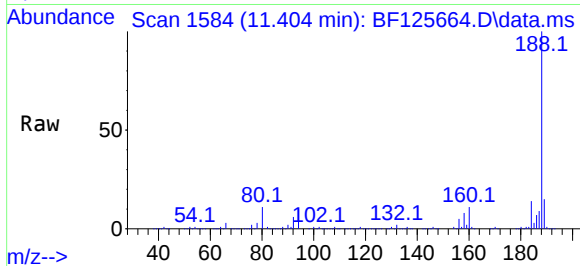
Tgt Ion: 172 Resp: 1341934  
Ion Ratio Lower Upper  
172 100  
171 35.4 26.5 39.7  
170 23.8 18.8 28.2





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 1584  
Delta R.T. -0.006 min  
Lab File: BF125664.D  
Acq: 25 Sep 2021 19:08

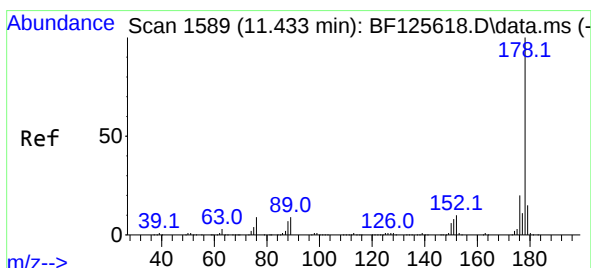
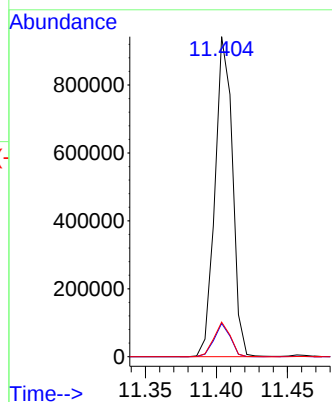
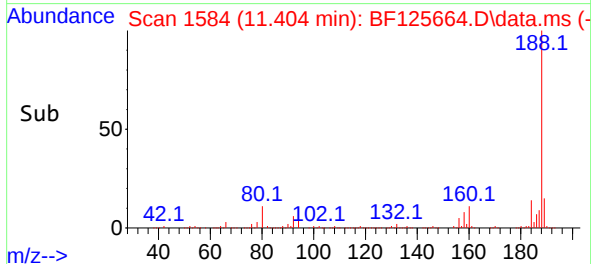
Instrument :  
BNA\_F  
ClientSampleId :  
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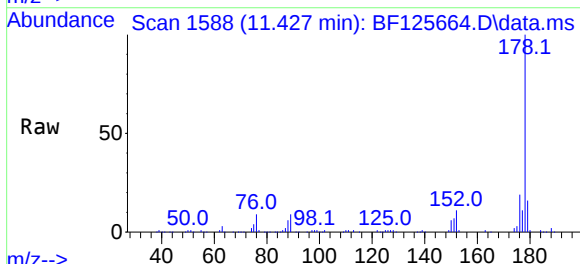
Tgt Ion:188 Resp: 808386  
Ion Ratio Lower Upper  
188 100  
94 10.4 6.7 10.1#  
80 10.8 7.5 11.3

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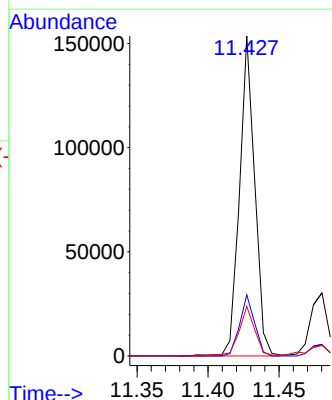
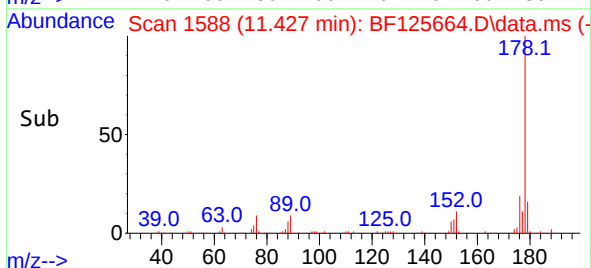
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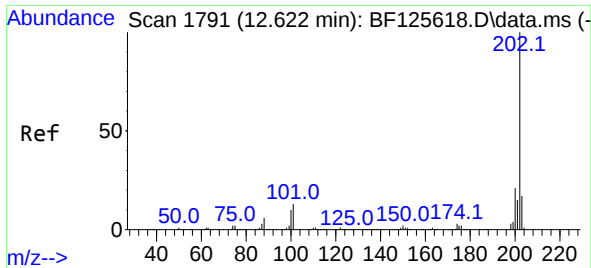


#71  
Phenanthrene  
Concen: 2.528 ng  
RT: 11.427 min Scan# 1588  
Delta R.T. -0.006 min  
Lab File: BF125664.D  
Acq: 25 Sep 2021 19:08



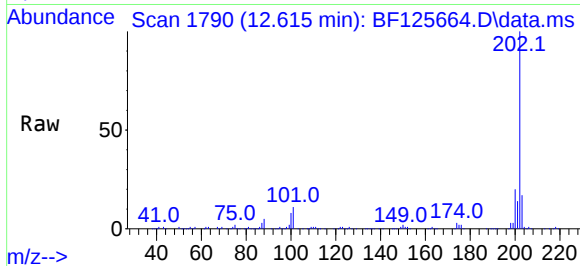
Tgt Ion:178 Resp: 114597  
Ion Ratio Lower Upper  
178 100  
176 19.1 14.7 22.1  
179 15.5 11.5 17.3





#75  
Fluoranthene  
Concen: 4.206 ng  
RT: 12.615 min Scan# 1790  
Delta R.T. -0.007 min  
Lab File: BF125664.D  
Acq: 25 Sep 2021 19:08

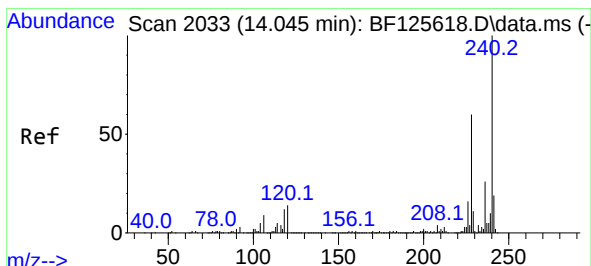
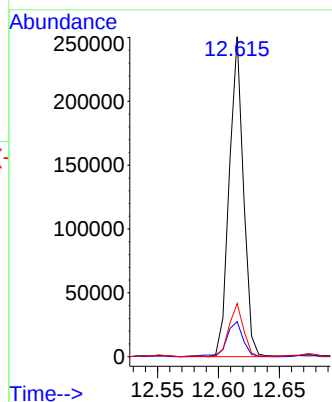
Instrument :  
BNA\_F  
ClientSampleId :  
WC-DB-1



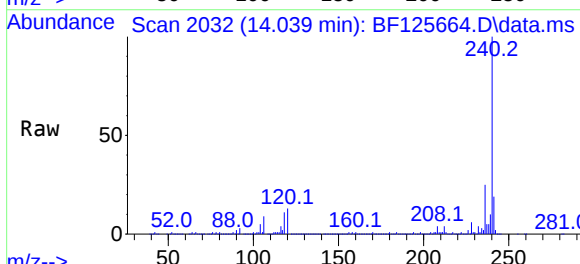
Tgt Ion:202 Resp: 203749  
Ion Ratio Lower Upper  
202 100  
101 11.0 0.0 30.7  
203 16.6 0.0 36.3

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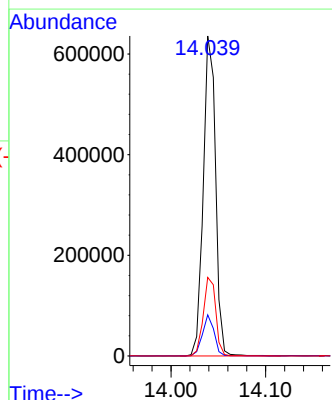
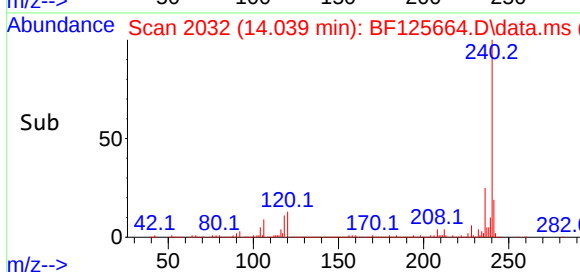
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9/27/2021 3:05:22 PM

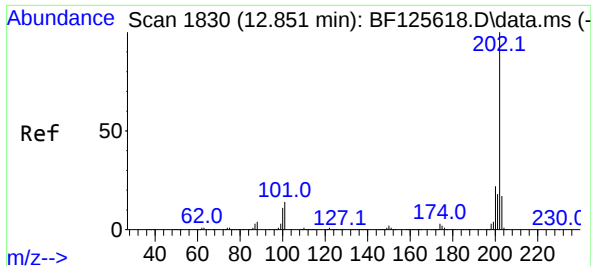


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.039 min Scan# 2032  
Delta R.T. -0.006 min  
Lab File: BF125664.D  
Acq: 25 Sep 2021 19:08



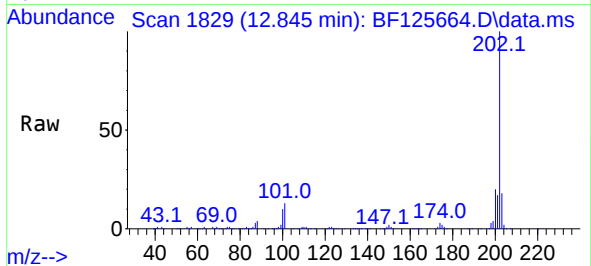
Tgt Ion:240 Resp: 573196  
Ion Ratio Lower Upper  
240 100  
120 12.9 10.8 16.2  
236 24.6 21.6 32.4





#78  
Pyrene  
Concen: 4.073 ng  
RT: 12.845 min Scan# 1829  
Delta R.T. -0.006 min  
Lab File: BF125664.D  
Acq: 25 Sep 2021 19:08

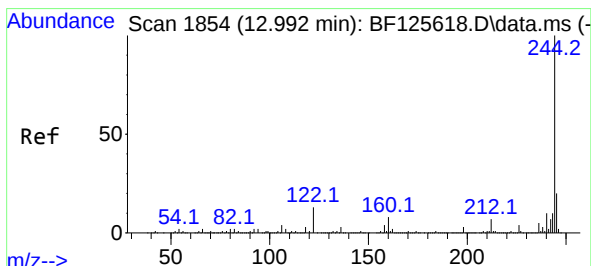
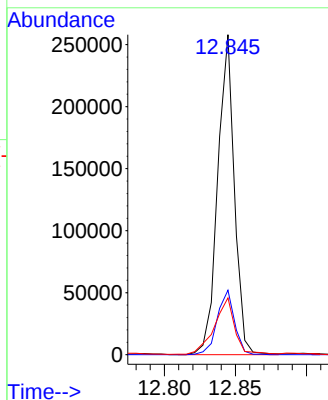
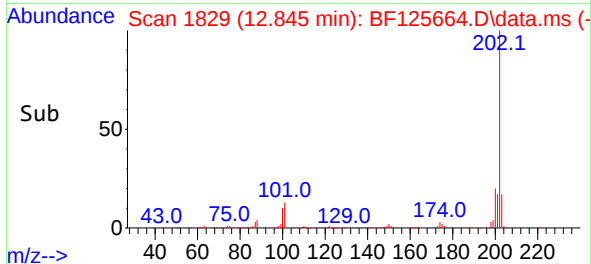
Instrument :  
BNA\_F  
ClientSampleId :  
WC-DB-1



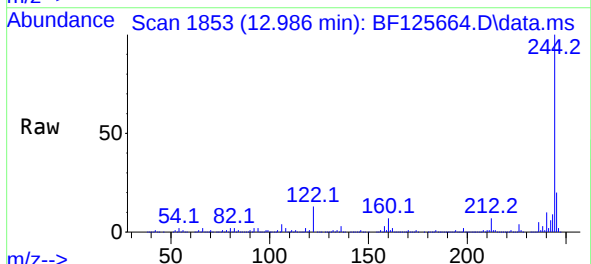
Tgt Ion:202 Resp: 210979  
Ion Ratio Lower Upper  
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200 20.1 15.3 22.9  
203 17.8 13.4 20.0

Manual Integrations  
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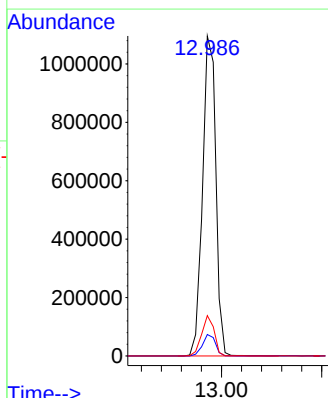
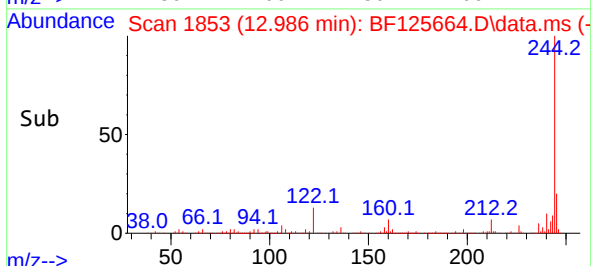
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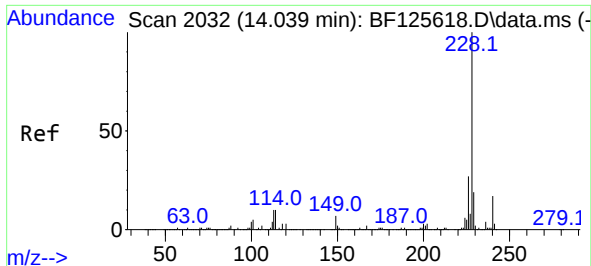


#79  
Terphenyl-d14  
Concen: 30.521 ng  
RT: 12.986 min Scan# 1853  
Delta R.T. -0.006 min  
Lab File: BF125664.D  
Acq: 25 Sep 2021 19:08



Tgt Ion:244 Resp: 1010203  
Ion Ratio Lower Upper  
244 100  
212 6.7 5.9 8.9  
122 12.6 9.0 13.4





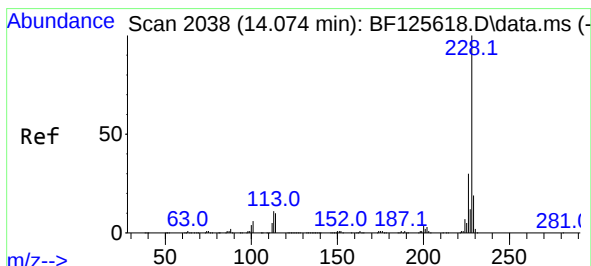
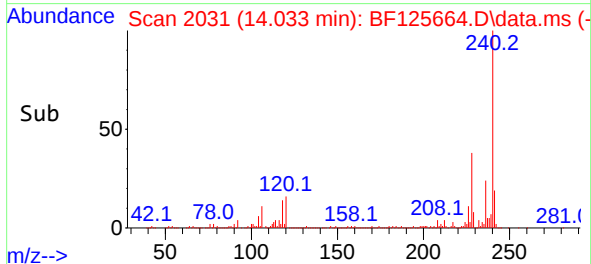
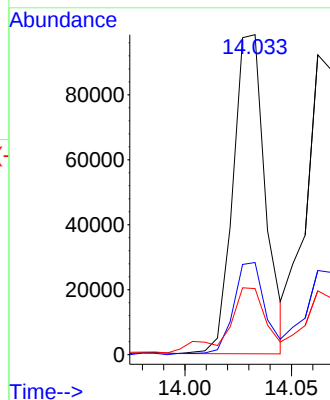
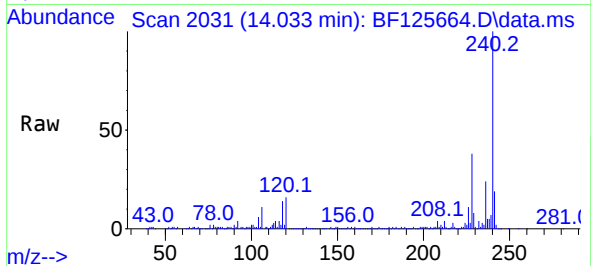
#81  
Benzo(a)anthracene  
Concen: 2.669 ng  
RT: 14.033 min Scan# 2031  
Delta R.T. -0.006 min  
Lab File: BF125664.D  
Acq: 25 Sep 2021 19:08

Tgt Ion:228 Resp: 103932  
Ion Ratio Lower Upper  
228 100  
226 28.8 21.6 32.4  
229 20.7 15.6 23.4

Instrument :  
BNA\_F  
ClientSampled :  
WC-DB-1

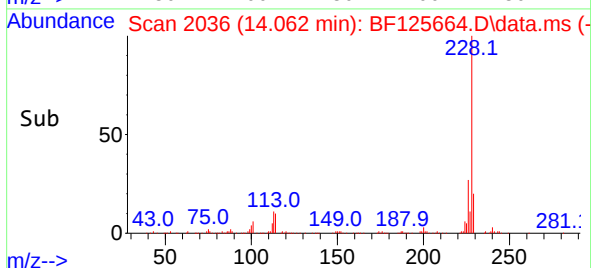
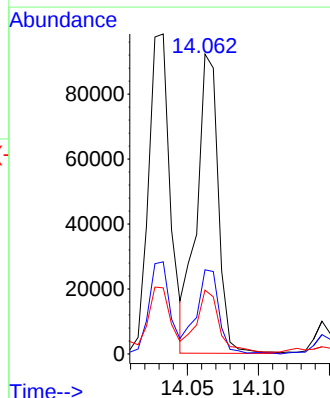
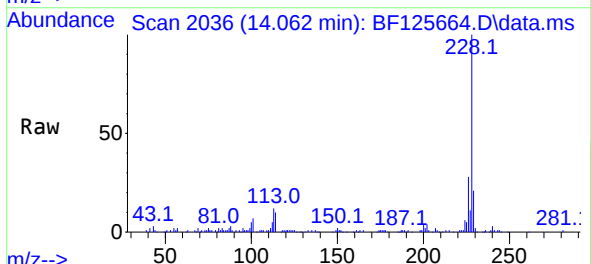
Manual Integrations  
APPROVED

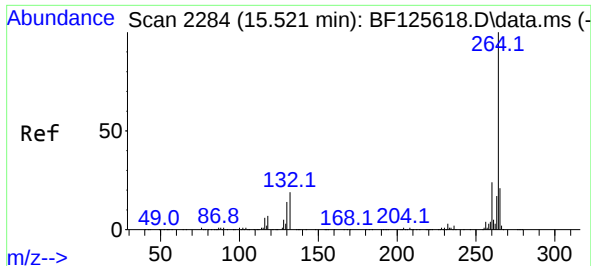
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#83  
Chrysene  
Concen: 2.502 ng  
RT: 14.062 min Scan# 2036  
Delta R.T. -0.012 min  
Lab File: BF125664.D  
Acq: 25 Sep 2021 19:08

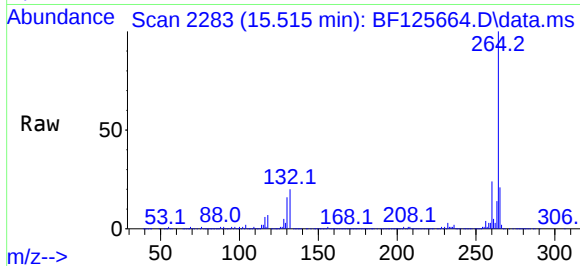
Tgt Ion:228 Resp: 97756  
Ion Ratio Lower Upper  
228 100  
226 28.1 22.6 34.0  
229 21.3 15.9 23.9





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.515 min Scan# 2283  
Delta R.T. -0.006 min  
Lab File: BF125664.D  
Acq: 25 Sep 2021 19:08

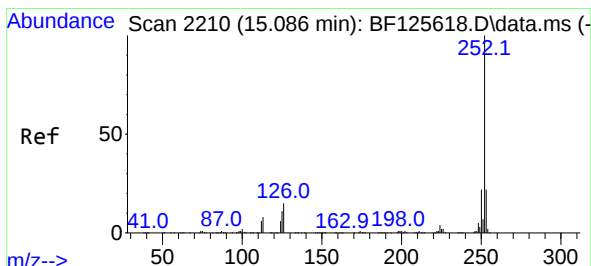
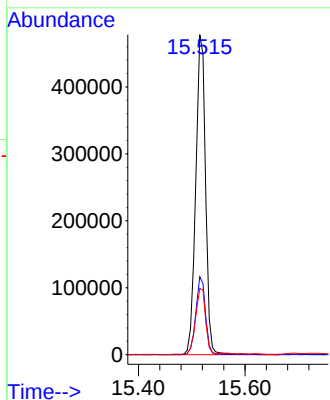
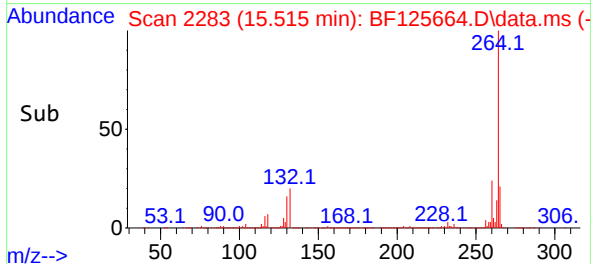
Instrument :  
BNA\_F  
ClientSampleId :  
WC-DB-1



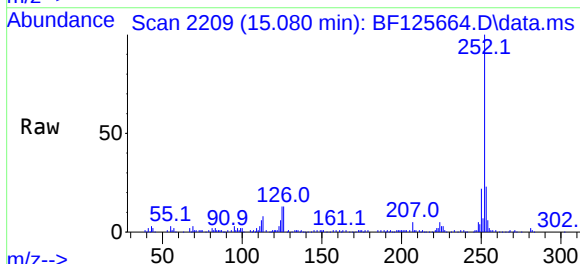
Tgt Ion:264 Resp: 612101  
Ion Ratio Lower Upper  
264 100  
260 24.4 19.6 29.4  
265 20.7 17.2 25.8

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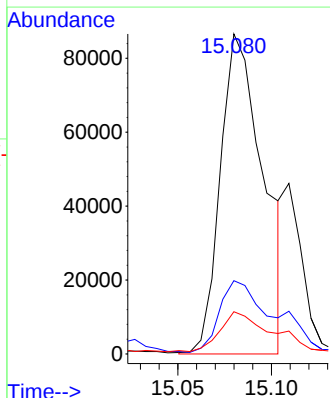
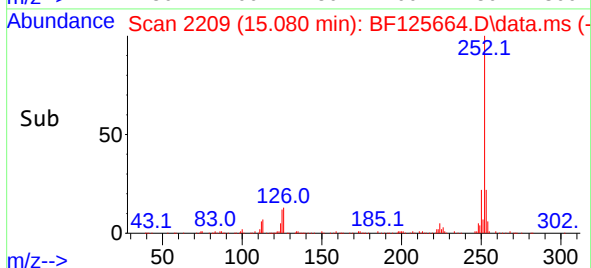
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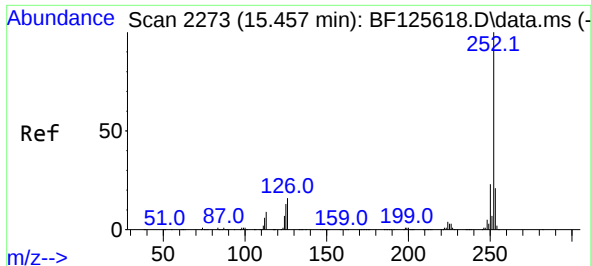


#88  
Benzo(b)fluoranthene  
Concen: 3.224 ng m  
RT: 15.080 min Scan# 2209  
Delta R.T. -0.006 min  
Lab File: BF125664.D  
Acq: 25 Sep 2021 19:08



Tgt Ion:252 Resp: 138278  
Ion Ratio Lower Upper  
252 100  
253 22.9 16.8 25.2  
125 13.2 9.8 14.8





#90  
Benzo(a)pyrene  
Concen: 2.511 ng  
RT: 15.450 min Scan# 2272  
Delta R.T. -0.007 min  
Lab File: BF125664.D  
Acq: 25 Sep 2021 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.2  | 18.4  | 27.6  |
| 125     | 11.7  | 9.9   | 14.9  |

Instrument :  
BNA\_F  
ClientSampleId :  
WC-DB-1

Manual Integrations  
APPROVED

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