

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP040521\  
 Data File : BP005184.D  
 Acq On : 05 Apr 2021 18:13  
 Operator : CG/JU  
 Sample : M1836-09  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 B4-8-10

Manual Integrations  
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Quant Time: Apr 06 00:32:02 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP032321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 01 12:23:57 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.705  | 152  | 28067    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.493 | 136  | 105718   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.357 | 164  | 66649    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.116 | 188  | 134833   | 20.00  | ng    | #-0.01   |
| 76) Chrysene-d12            | 21.216 | 240  | 146761   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 23.504 | 264  | 150789   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.305  | 112  | 15849    | 8.69   | ng    | 0.00     |
| 7) Phenol-d6                | 6.887  | 99   | 136848   | 52.38  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.863  | 82   | 143351   | 58.18  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.851 | 330  | 445      | 0.51   | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 12.975 | 172  | 269671   | 54.73  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.692 | 244  | 421941   | 52.34  | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 10) Phenol                  | 6.911  | 94   | 7863     | 2.94   | ng    | # 29     |
| 20) 3+4-Methylphenols       | 8.481  | 107  | 6655     | 2.85   | ng    | # 39     |
| 31) Naphthalene             | 10.546 | 128  | 823473   | 137.89 | ng    | 98       |
| 37) 2-Methylnaphthalene     | 12.169 | 142  | 560900   | 130.07 | ng    | 97       |
| 38) 1-Methylnaphthalene     | 12.387 | 142  | 253979m  | 62.83  | ng    |          |
| 46) 1,1'-Biphenyl           | 13.181 | 154  | 10577    | 2.08   | ng    | 97       |
| 50) Dimethylphthalate       | 13.816 | 163  | 14377    | 2.80   | ng    | 99       |
| 71) Phenanthrene            | 17.163 | 178  | 28773    | 3.68   | ng    | 98       |
| 75) Fluoranthene            | 19.139 | 202  | 24979    | 2.72   | ng    | 97       |
| 78) Pyrene                  | 19.492 | 202  | 26839    | 2.66   | ng    | 97       |
| -----                       |        |      |          |        |       |          |

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

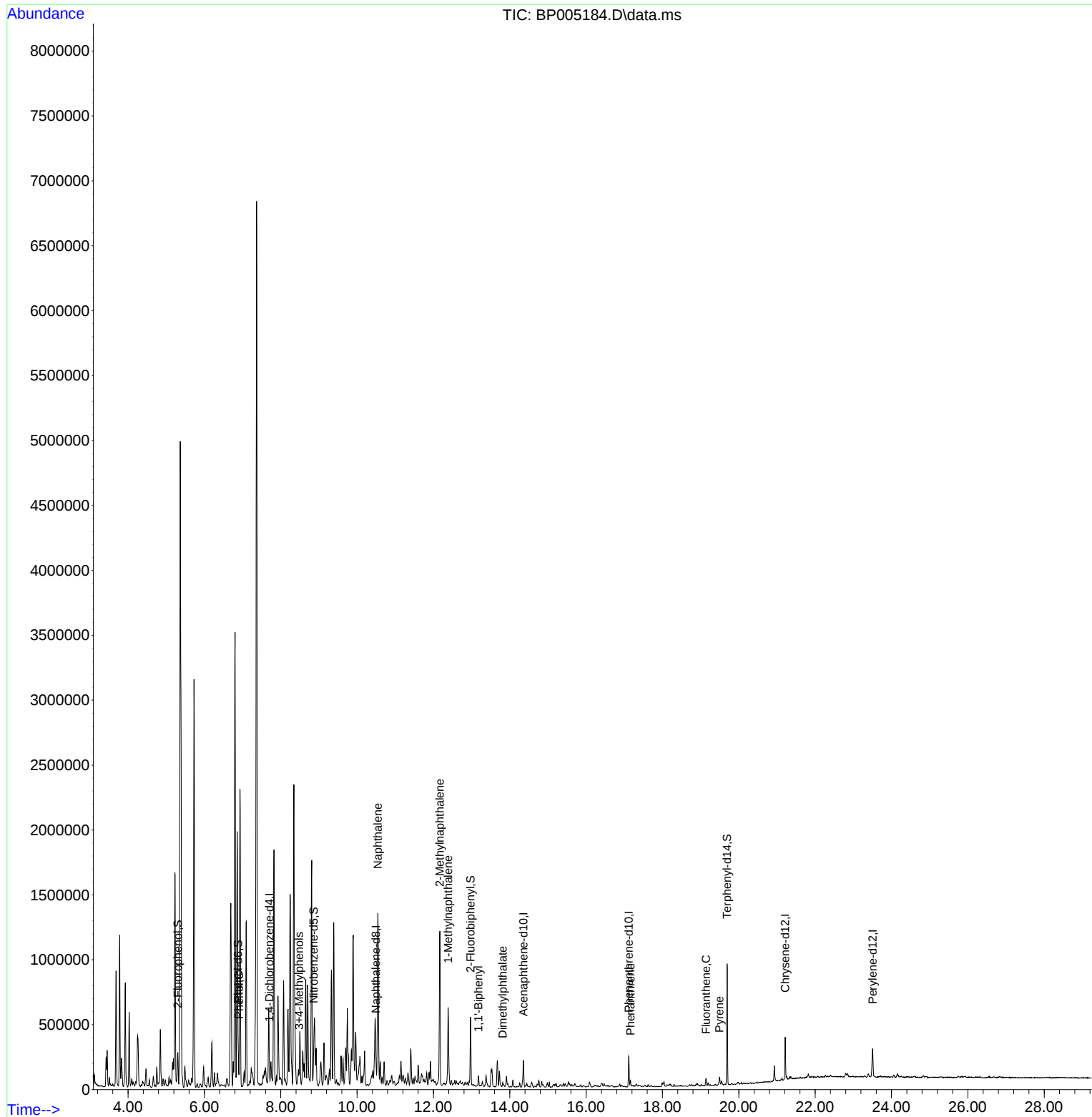
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP040521\  
Data File : BP005184.D  
Acq On : 05 Apr 2021 18:13  
Operator : CG/JU  
Sample : M1836-09  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

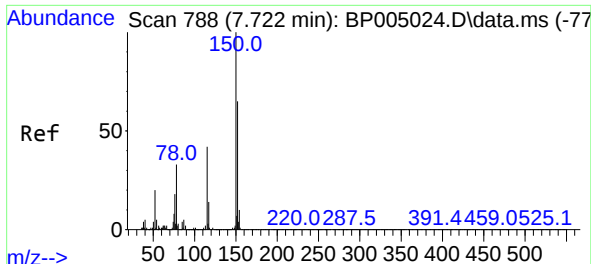
Instrument :  
BNA\_P  
ClientSampleId :  
B4-8-10

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Quant Time: Apr 06 00:32:02 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP032321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 01 12:23:57 2021  
Response via : Initial Calibration





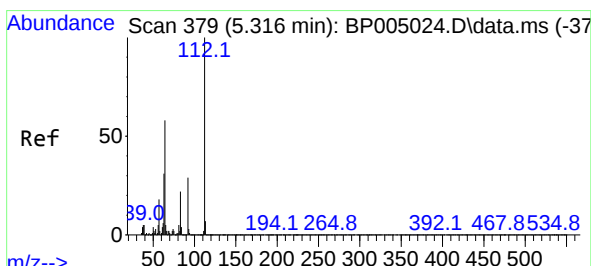
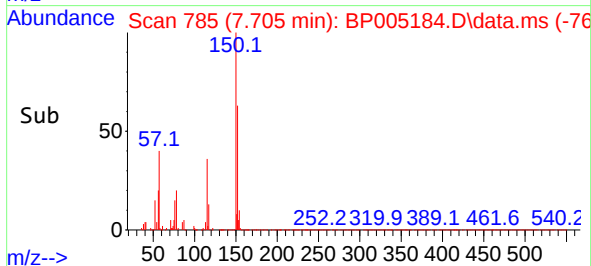
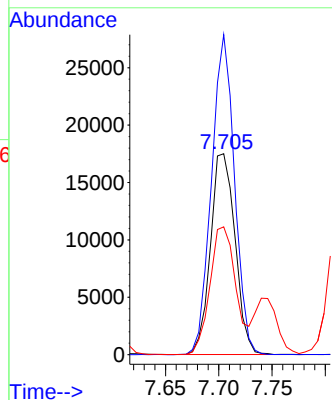
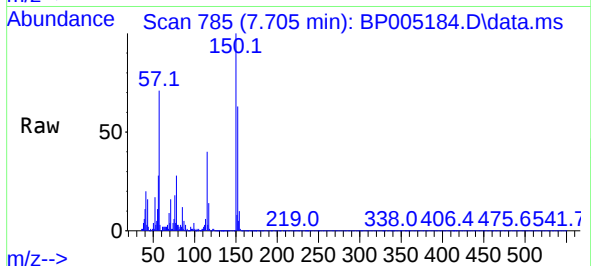
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.705 min Scan# 785  
Delta R.T. -0.000 min  
Lab File: BP005184.D  
Acq: 05 Apr 2021 18:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.2 | 123.8 | 185.6 |
| 115     | 63.6  | 43.8  | 65.6  |

Instrument :  
BNA\_P  
ClientSampled :  
B4-8-10

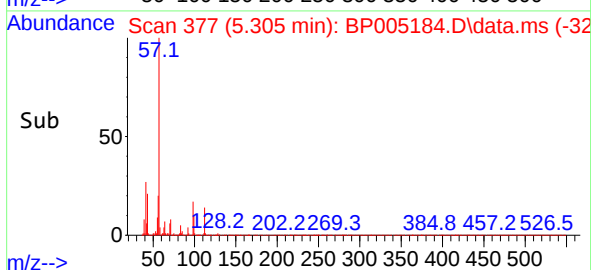
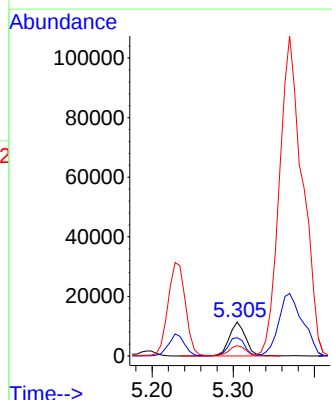
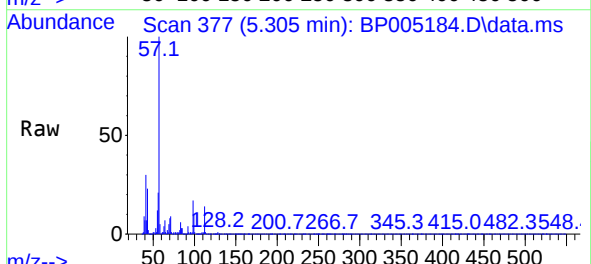
Manual Integrations  
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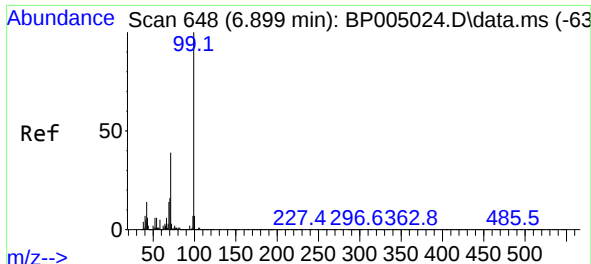
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#5  
2-Fluorophenol  
Concen: 8.69 ng  
RT: 5.305 min Scan# 377  
Delta R.T. -0.000 min  
Lab File: BP005184.D  
Acq: 05 Apr 2021 18:13

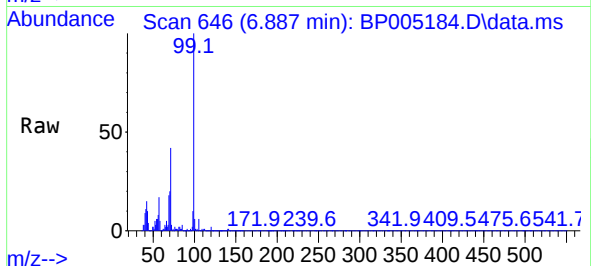
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 53.7  | 32.8  | 49.2# |
| 63      | 30.3  | 17.0  | 25.4# |





#7  
Phenol-d6  
Concen: 52.38 ng  
RT: 6.887 min Scan# 646  
Delta R.T. -0.000 min  
Lab File: BP005184.D  
Acq: 05 Apr 2021 18:13

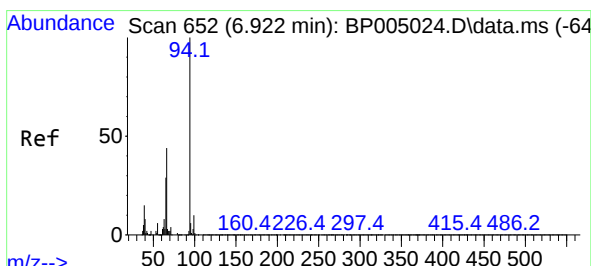
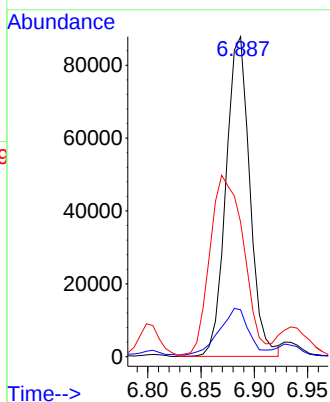
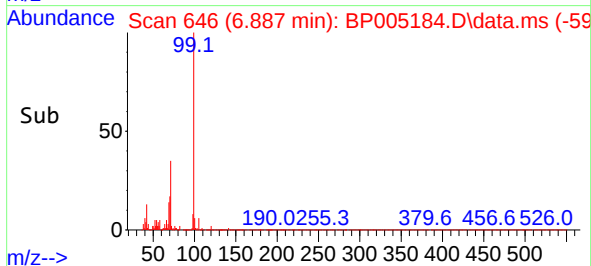
Instrument :  
BNA\_P  
ClientSampled :  
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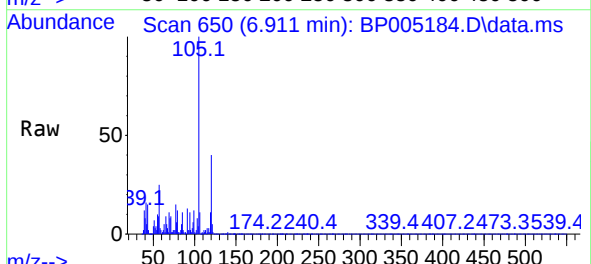
Tgt Ion: 99 Resp: 136848  
Ion Ratio Lower Upper  
99 100  
42 14.7 8.6 13.0#  
71 42.0 23.4 35.2#

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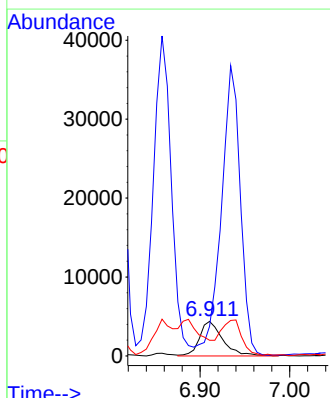
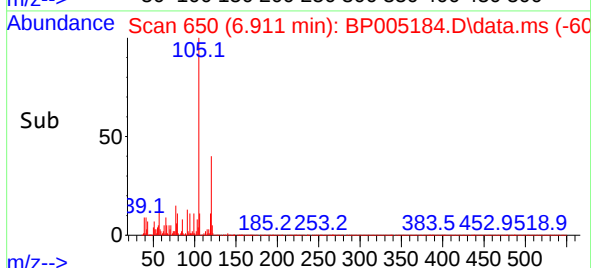
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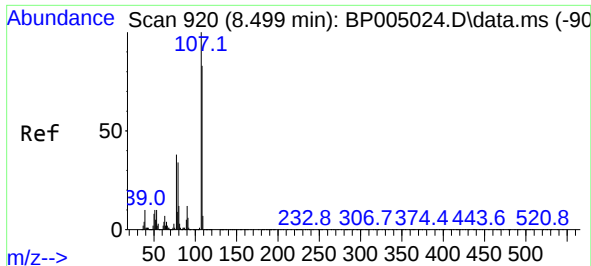


#10  
Phenol  
Concen: 2.94 ng  
RT: 6.911 min Scan# 650  
Delta R.T. -0.006 min  
Lab File: BP005184.D  
Acq: 05 Apr 2021 18:13



Tgt Ion: 94 Resp: 7863  
Ion Ratio Lower Upper  
94 100  
65 85.7 2.3 42.3#  
66 45.2 10.9 50.9





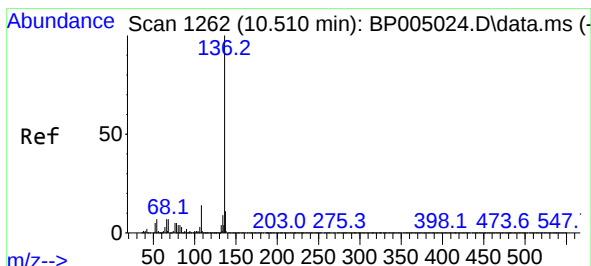
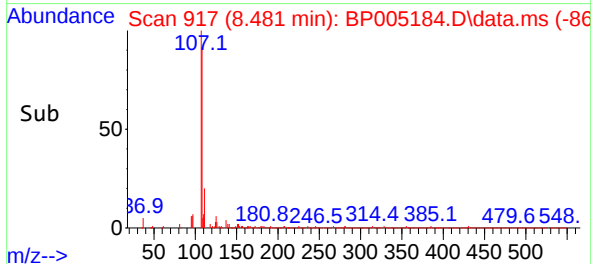
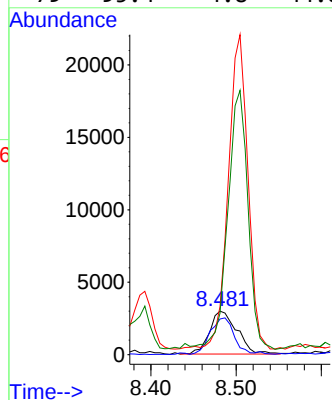
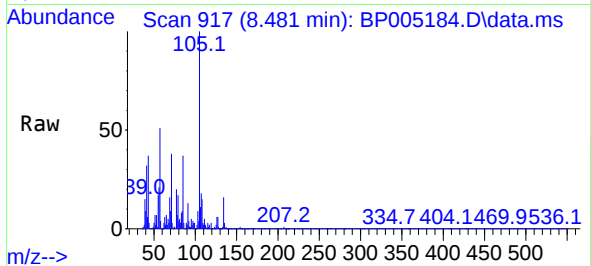
#20  
3+4-Methylphenols  
Concen: 2.85 ng  
RT: 8.481 min Scan# 917  
Delta R.T. -0.006 min  
Lab File: BP005184.D  
Acq: 05 Apr 2021 18:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 6655  |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 81.7  | 69.0  | 109.0 |
| 77       | 110.9 | 8.5   | 48.5# |
| 79       | 95.4  | 4.8   | 44.8# |

Instrument :  
BNA\_P  
ClientSampled :  
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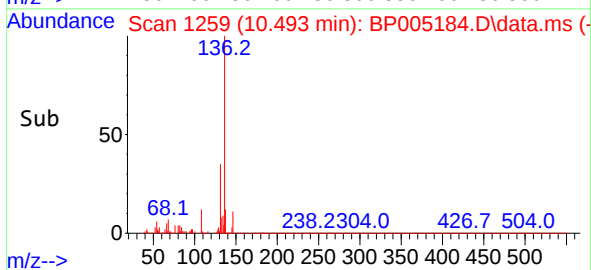
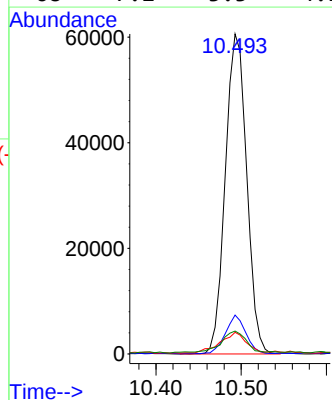
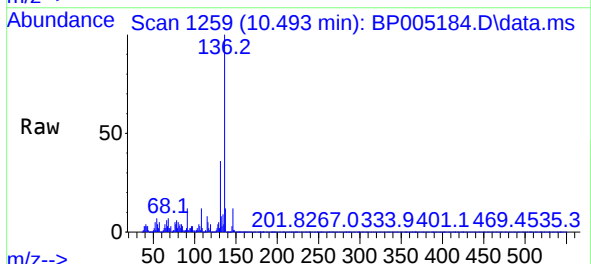
Manual Integrations  
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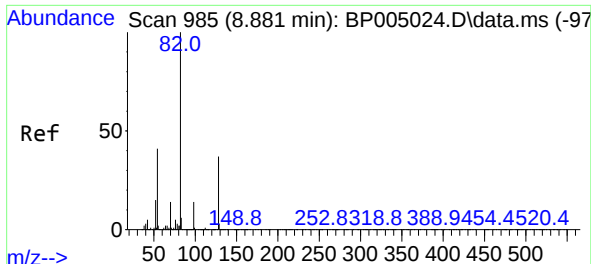
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#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.493 min Scan# 1259  
Delta R.T. -0.006 min  
Lab File: BP005184.D  
Acq: 05 Apr 2021 18:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 105718 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 12.1  | 8.6   | 13.0   |
| 54       | 6.7   | 3.6   | 5.4#   |
| 68       | 7.2   | 3.3   | 4.9#   |





#23

Nitrobenzene-d5

Concen: 58.18 ng

RT: 8.863 min Scan# 982

Delta R.T. -0.006 min

Lab File: BP005184.D

Acq: 05 Apr 2021 18:13

Tgt Ion: 82 Resp: 143351

Ion Ratio Lower Upper

82 100

128 37.7 45.6 68.4#

54 38.0 30.1 45.1

Instrument :

BNA\_P

ClientSampled :

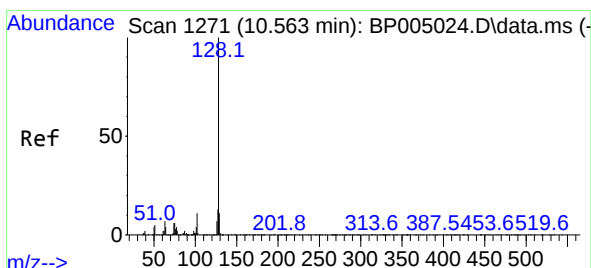
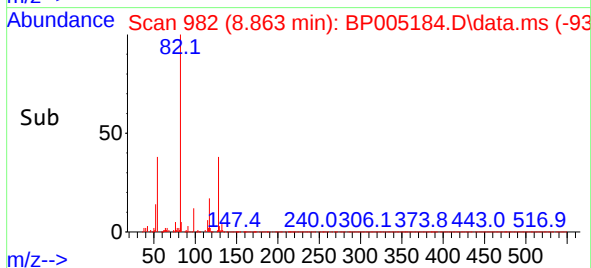
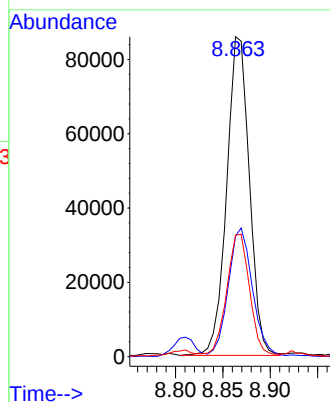
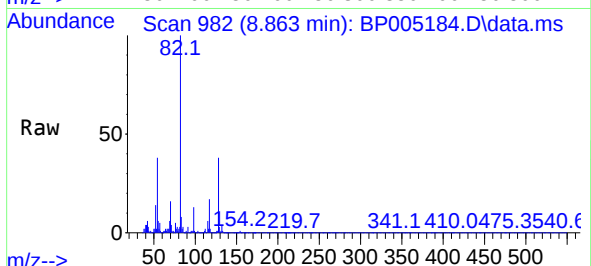
B4-8-10

Manual Integrations

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#31

Naphthalene

Concen: 137.89 ng

RT: 10.546 min Scan# 1268

Delta R.T. -0.006 min

Lab File: BP005184.D

Acq: 05 Apr 2021 18:13

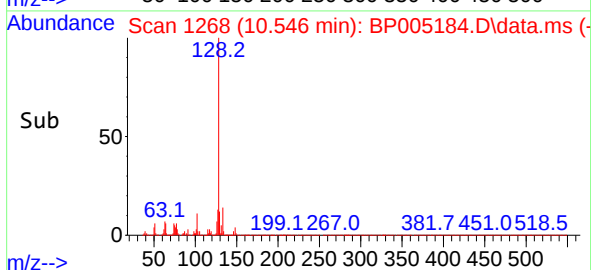
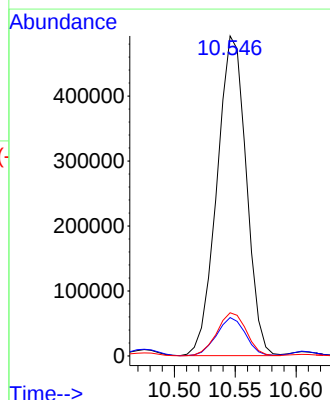
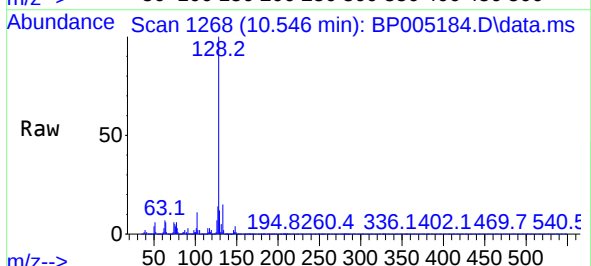
Tgt Ion: 128 Resp: 823473

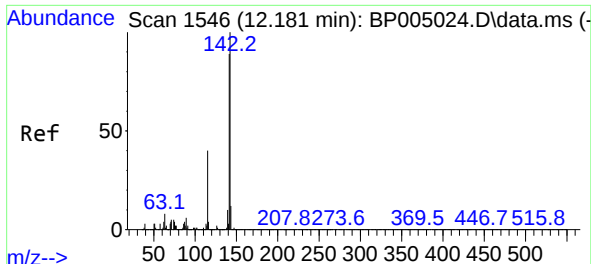
Ion Ratio Lower Upper

128 100

129 12.0 8.8 13.2

127 13.5 10.6 15.8





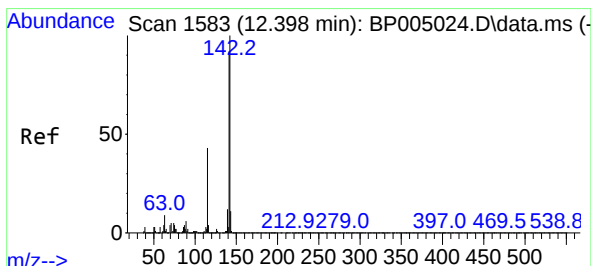
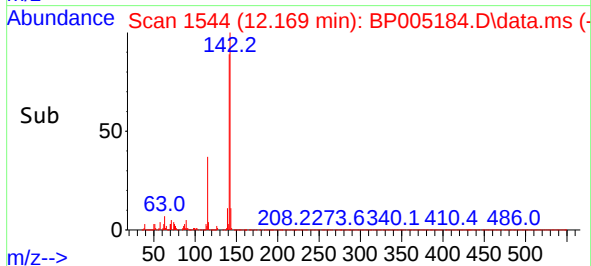
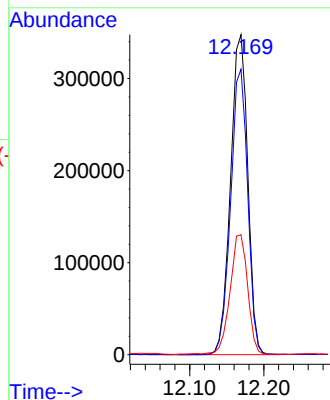
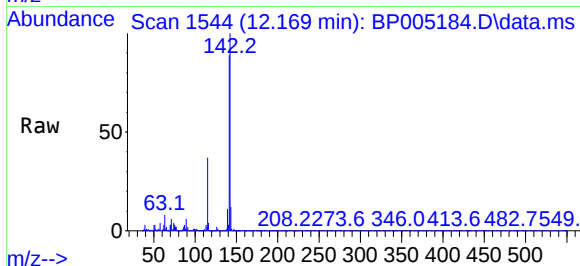
#37  
2-Methylnaphthalene  
Concen: 130.07 ng  
RT: 12.169 min Scan# 1544  
Delta R.T. -0.000 min  
Lab File: BP005184.D  
Acq: 05 Apr 2021 18:13

Tgt Ion:142 Resp: 560900  
Ion Ratio Lower Upper  
142 100  
141 89.2 71.4 107.2  
115 37.5 25.8 38.6

Instrument :  
BNA\_P  
ClientSampled :  
B4-8-10

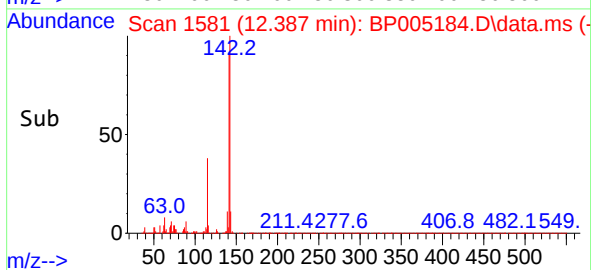
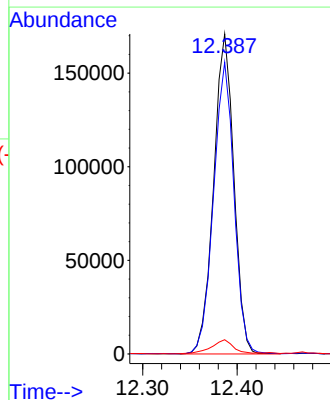
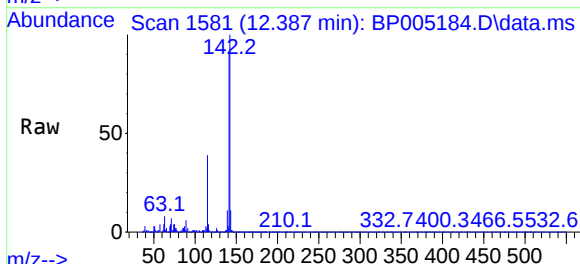
Manual Integrations  
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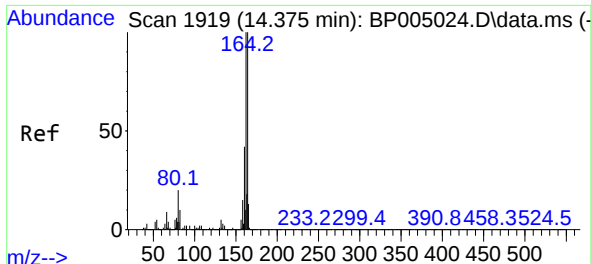
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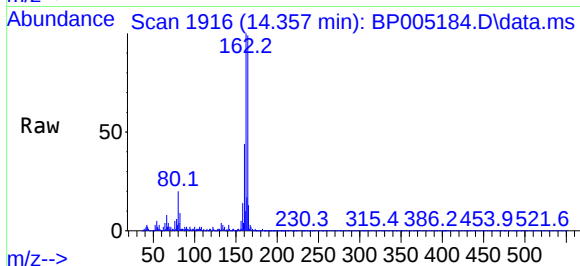
#38  
1-Methylnaphthalene  
Concen: 62.83 ng m  
RT: 12.387 min Scan# 1581  
Delta R.T. -0.000 min  
Lab File: BP005184.D  
Acq: 05 Apr 2021 18:13

Tgt Ion:142 Resp: 253979  
Ion Ratio Lower Upper  
142 100  
141 91.2 74.4 111.6  
116 4.4 2.9 4.3#





#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.357 min Scan# 1916  
Delta R.T. -0.006 min  
Lab File: BP005184.D  
Acq: 05 Apr 2021 18:13

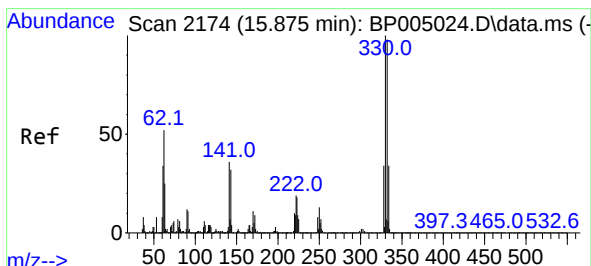
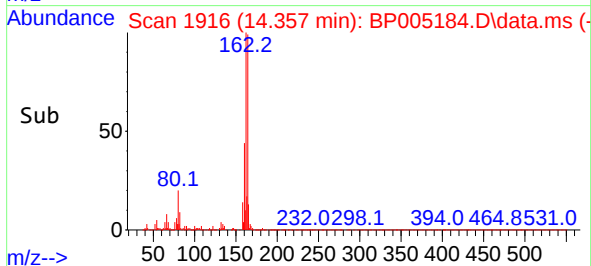
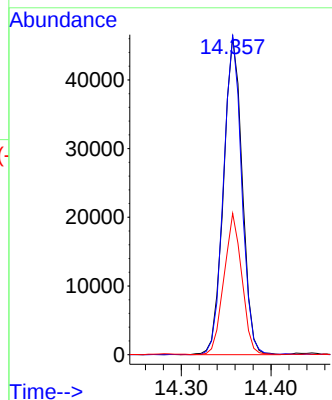


Tgt Ion:164 Resp: 66649  
Ion Ratio Lower Upper  
164 100  
162 100.9 79.4 119.2  
160 44.5 36.1 54.1

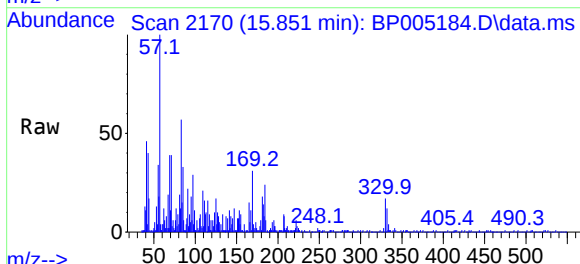
Instrument :  
BNA\_P  
ClientSampled :  
B4-8-10

Manual Integrations  
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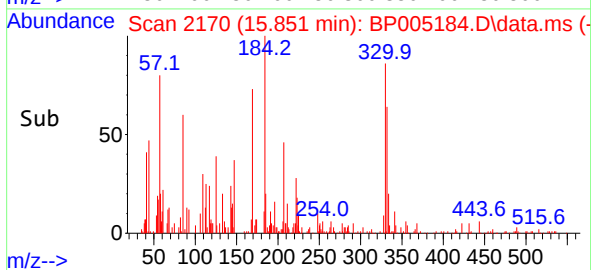
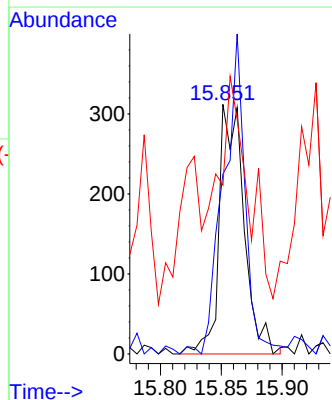
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4/6/2021 3:23:05 PM

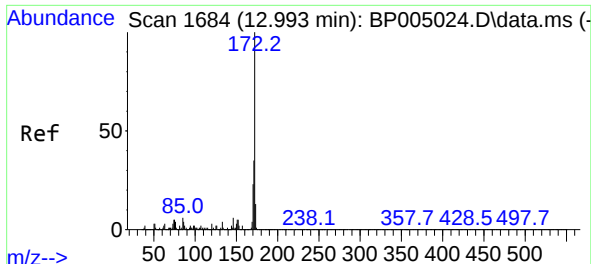


#42  
2,4,6-Tribromophenol  
Concen: 0.51 ng  
RT: 15.851 min Scan# 2170  
Delta R.T. -0.012 min  
Lab File: BP005184.D  
Acq: 05 Apr 2021 18:13



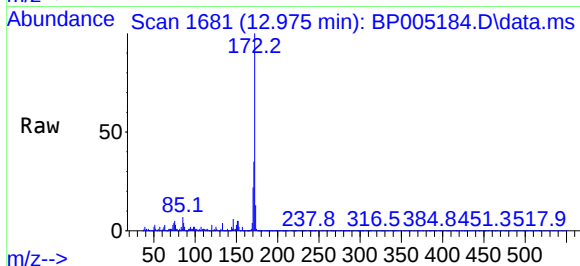
Tgt Ion:330 Resp: 445  
Ion Ratio Lower Upper  
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332 112.8 77.1 115.7  
141 97.3 23.4 35.2#





#45  
2-Fluorobiphenyl  
Concen: 54.73 ng  
RT: 12.975 min Scan# 1681  
Delta R.T. -0.006 min  
Lab File: BP005184.D  
Acq: 05 Apr 2021 18:13

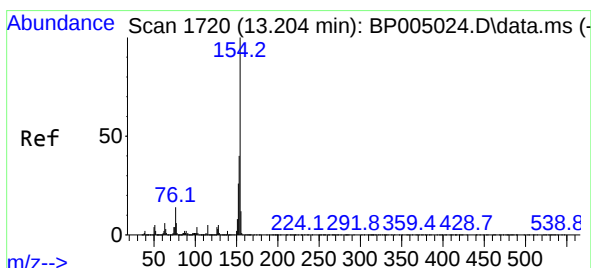
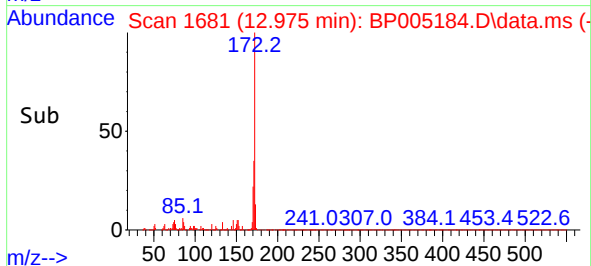
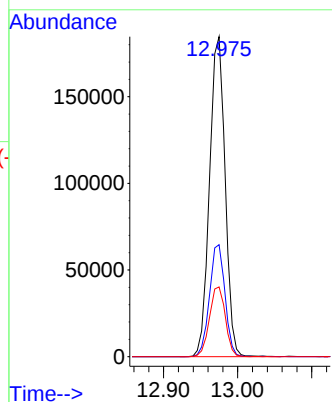
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BNA\_P  
ClientSampleId :  
B4-8-10



Tgt Ion:172 Resp: 269671  
Ion Ratio Lower Upper  
172 100  
171 35.0 28.5 42.7  
170 21.8 19.2 28.8

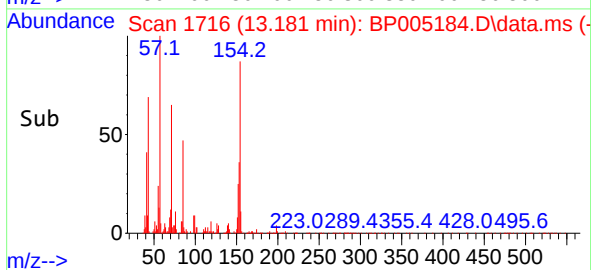
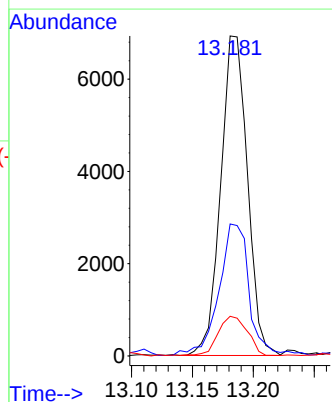
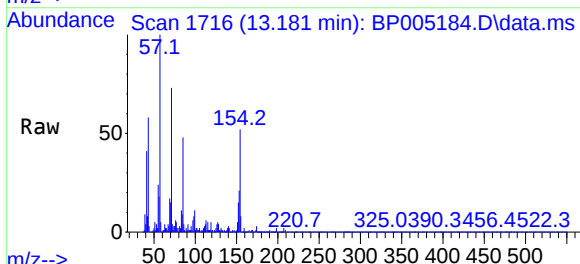
Manual Integrations  
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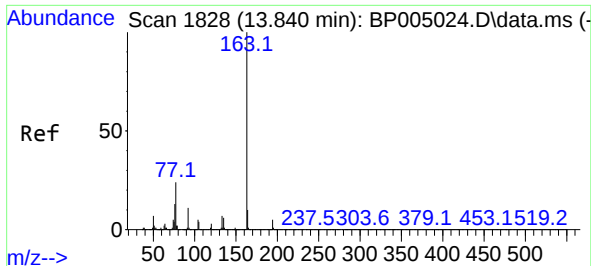
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#46  
1,1'-Biphenyl  
Concen: 2.08 ng  
RT: 13.181 min Scan# 1716  
Delta R.T. -0.012 min  
Lab File: BP005184.D  
Acq: 05 Apr 2021 18:13

Tgt Ion:154 Resp: 10577  
Ion Ratio Lower Upper  
154 100  
153 41.3 20.4 60.4  
76 12.4 0.0 29.3





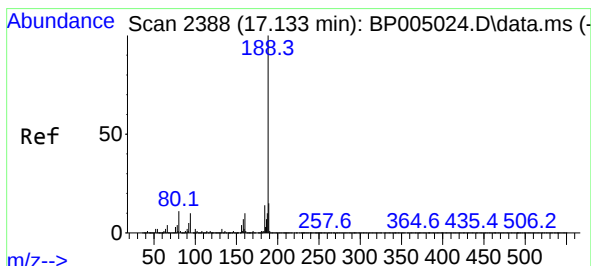
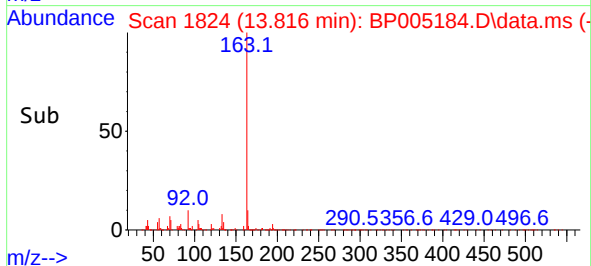
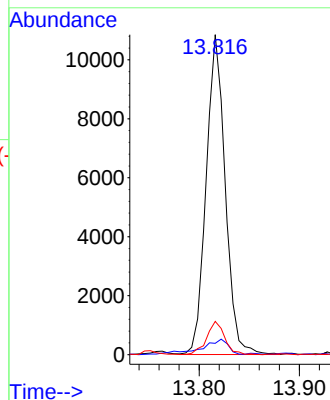
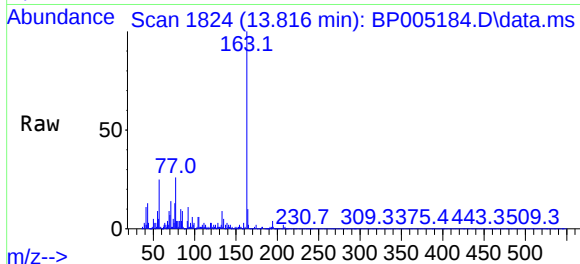
#50  
Dimethylphthalate  
Concen: 2.80 ng  
RT: 13.816 min Scan# 1824  
Delta R.T. -0.012 min  
Lab File: BP005184.D  
Acq: 05 Apr 2021 18:13

Tgt Ion:163 Resp: 14377  
Ion Ratio Lower Upper  
163 100  
194 3.6 3.3 4.9  
164 10.4 8.2 12.2

Instrument :  
BNA\_P  
ClientSampleId :  
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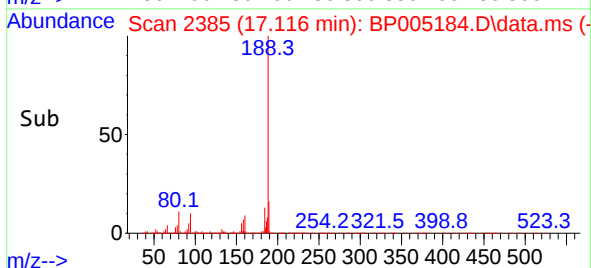
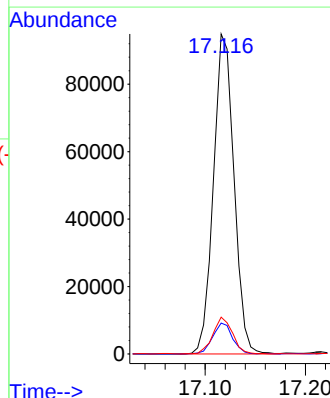
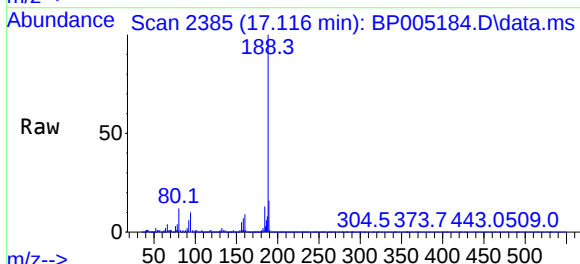
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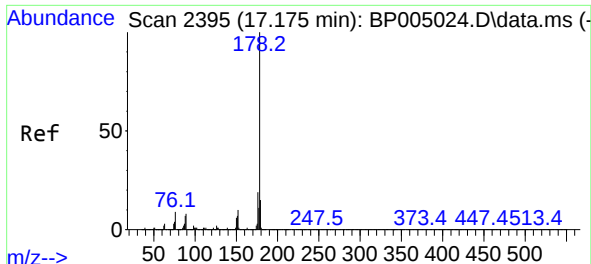
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#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.116 min Scan# 2385  
Delta R.T. -0.012 min  
Lab File: BP005184.D  
Acq: 05 Apr 2021 18:13

Tgt Ion:188 Resp: 134833  
Ion Ratio Lower Upper  
188 100  
94 9.7 6.2 9.2#  
80 11.5 6.2 9.2#





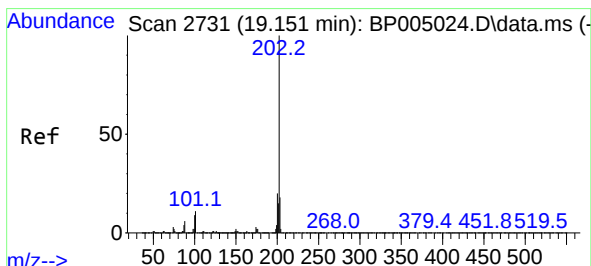
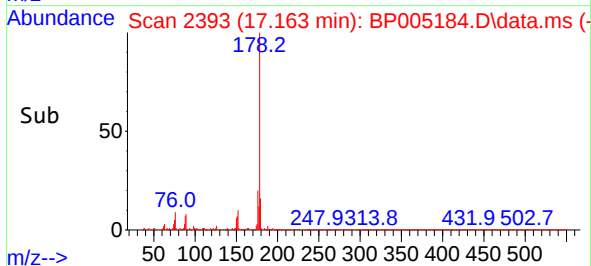
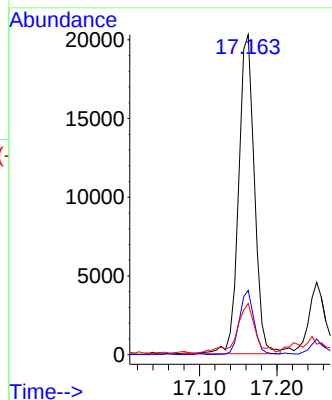
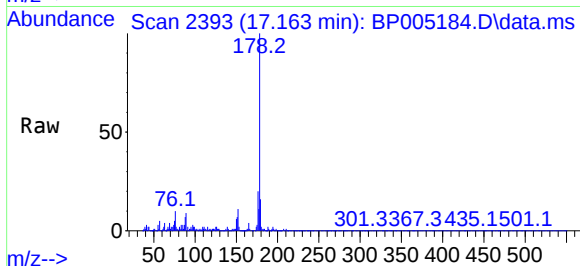
#71  
Phenanthrene  
Concen: 3.68 ng  
RT: 17.163 min Scan# 2393  
Delta R.T. -0.006 min  
Lab File: BP005184.D  
Acq: 05 Apr 2021 18:13

Tgt Ion:178 Resp: 28773  
Ion Ratio Lower Upper  
178 100  
176 20.1 15.3 22.9  
179 16.0 12.5 18.7

Instrument :  
BNA\_P  
ClientSampled :  
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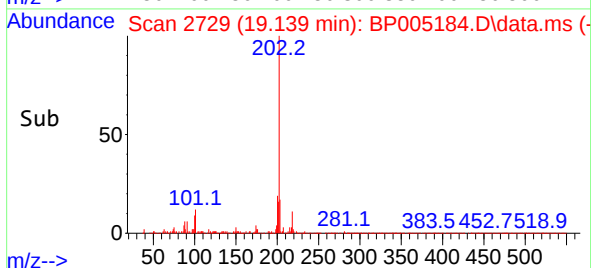
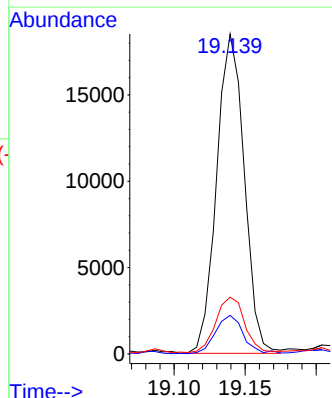
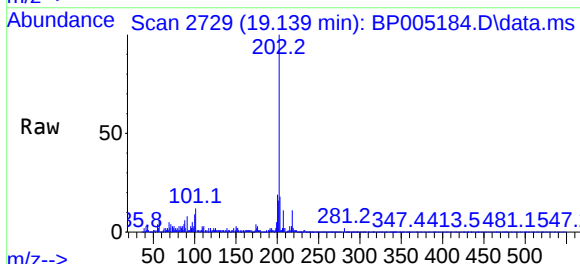
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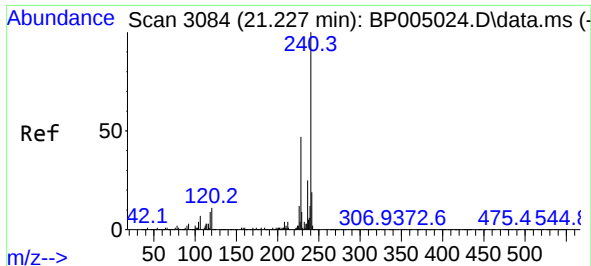
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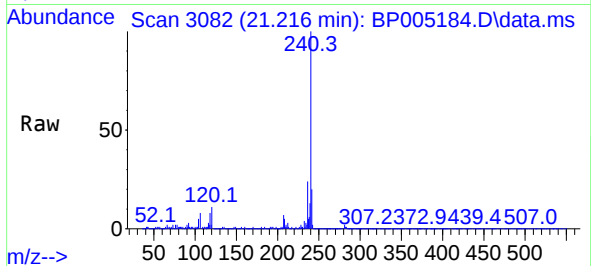
#75  
Fluoranthene  
Concen: 2.72 ng  
RT: 19.139 min Scan# 2729  
Delta R.T. -0.006 min  
Lab File: BP005184.D  
Acq: 05 Apr 2021 18:13

Tgt Ion:202 Resp: 24979  
Ion Ratio Lower Upper  
202 100  
101 12.1 0.0 29.4  
203 17.7 0.0 37.8

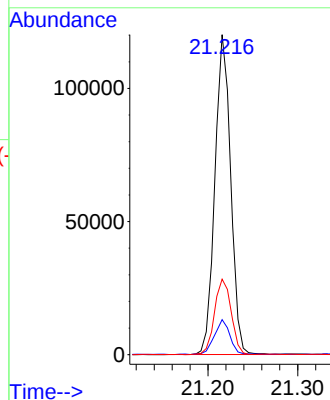




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.216 min Scan# 3082  
Delta R.T. -0.012 min  
Lab File: BP005184.D  
Acq: 05 Apr 2021 18:13



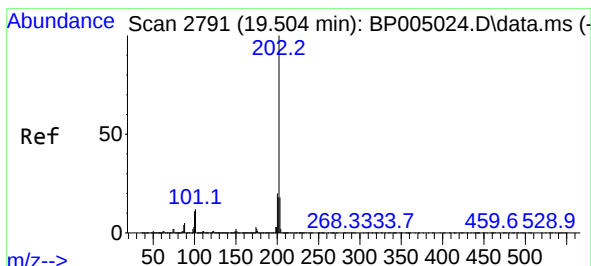
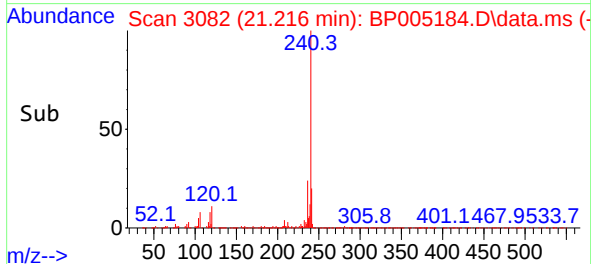
Tgt Ion:240 Resp: 146761  
Ion Ratio Lower Upper  
240 100  
120 10.9 7.8 11.6  
236 23.6 20.8 31.2



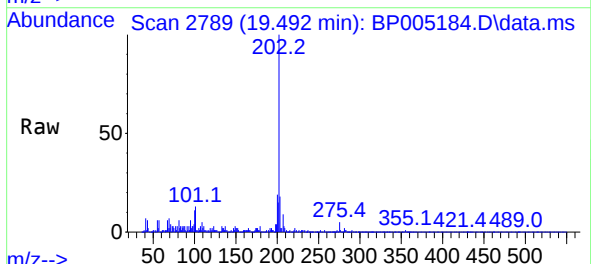
Instrument :  
BNA\_P  
ClientSampled :  
B4-8-10

Manual Integrations  
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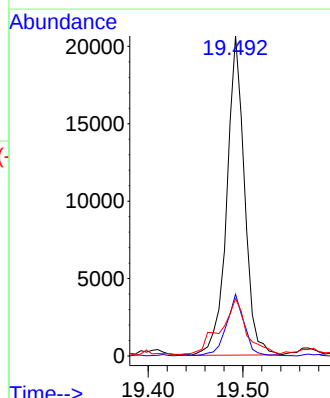
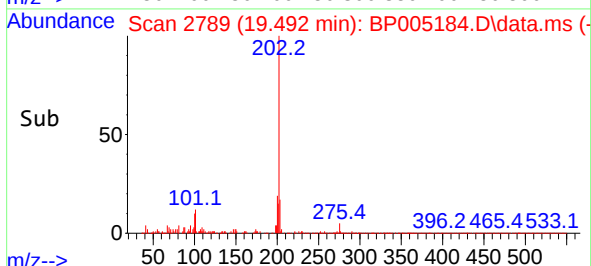
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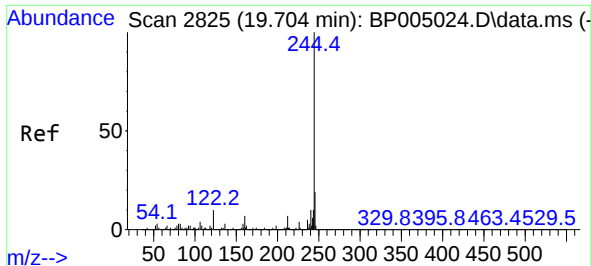


#78  
Pyrene  
Concen: 2.66 ng  
RT: 19.492 min Scan# 2789  
Delta R.T. -0.006 min  
Lab File: BP005184.D  
Acq: 05 Apr 2021 18:13

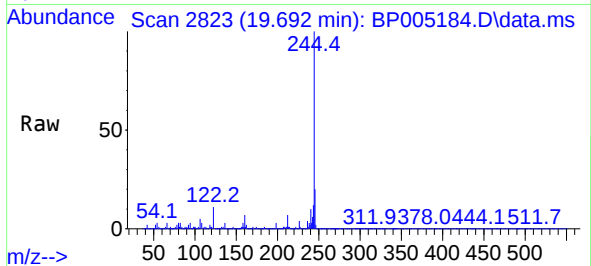


Tgt Ion:202 Resp: 26839  
Ion Ratio Lower Upper  
202 100  
200 19.3 17.1 25.7  
203 17.9 14.2 21.2

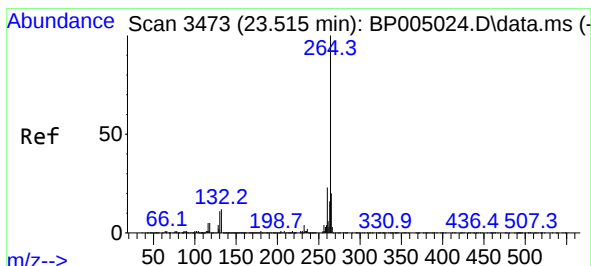
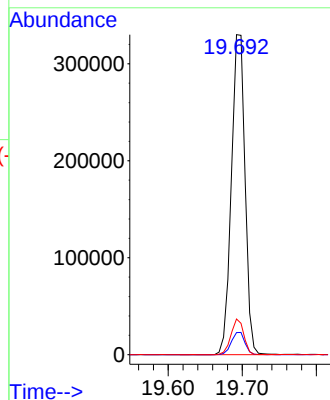
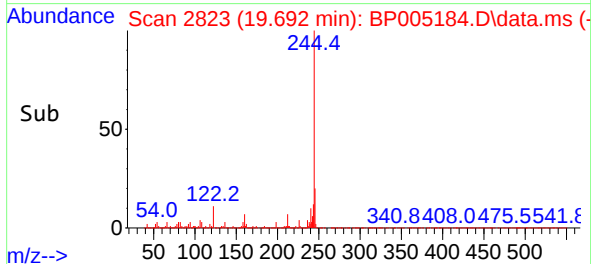




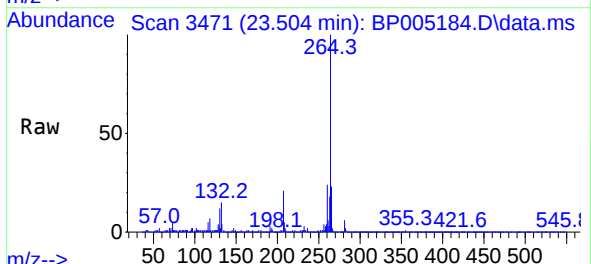
#79  
Terphenyl-d14  
Concen: 52.34 ng  
RT: 19.692 min Scan# 2823  
Delta R.T. -0.006 min  
Lab File: BP005184.D  
Acq: 05 Apr 2021 18:13



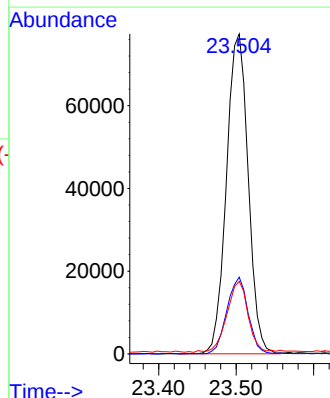
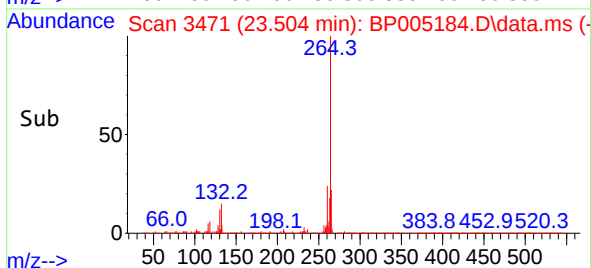
Tgt Ion:244 Resp: 421941  
Ion Ratio Lower Upper  
244 100  
212 6.9 5.8 8.6  
122 11.2 7.8 11.8



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 23.504 min Scan# 3471  
Delta R.T. -0.006 min  
Lab File: BP005184.D  
Acq: 05 Apr 2021 18:13



Tgt Ion:264 Resp: 150789  
Ion Ratio Lower Upper  
264 100  
260 24.0 18.8 28.2  
265 22.7 17.4 26.2



Instrument :  
BNA\_P  
ClientSampled :  
B4-8-10

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