

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111020\  
 Data File : BP003914.D  
 Acq On : 10 Nov 2020 21:51  
 Operator : CG/JU  
 Sample : L4594-01 5X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 OR-03-110920

Manual Integrations  
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 11/12/2020 11:37:47 AM

Quant Time: Nov 11 00:14:33 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP110320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 10 13:41:24 2020  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-------|-------|----------|
| -----                       |        |      |          |       |       |          |
| Internal Standards          |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.281  | 152  | 148671   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.110 | 136  | 528542   | 20.00 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.898 | 164  | 303377   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.633 | 188  | 634142   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.663 | 240  | 606117   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 24.139 | 264  | 693939   | 20.00 | ng    | 0.01     |
|                             |        |      |          |       |       |          |
| System Monitoring Compounds |        |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.805  | 112  | 168116   | 18.87 | ng    | 0.00     |
| 7) Phenol-d6                | 7.452  | 99   | 175827   | 13.75 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.440  | 82   | 112410   | 10.42 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.380 | 330  | 59859    | 15.78 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.522 | 172  | 239422   | 11.03 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.127 | 244  | 321295   | 10.24 | ng    | 0.00     |
|                             |        |      |          |       |       |          |
| Target Compounds            |        |      |          |       |       | Qvalue   |
| 71) Phenanthrene            | 17.669 | 178  | 229279   | 6.44  | ng    | 99       |
| 72) Anthracene              | 17.763 | 178  | 101425   | 2.95  | ng    | 98       |
| 75) Fluoranthene            | 19.604 | 202  | 508884   | 12.39 | ng    | 99       |
| 78) Pyrene                  | 19.957 | 202  | 449480   | 10.93 | ng    | 98       |
| 81) Benzo(a)anthracene      | 21.645 | 228  | 278601   | 6.97  | ng    | 98       |
| 83) Chrysene                | 21.698 | 228  | 253035   | 6.59  | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene  | 26.686 | 276  | 245079m  | 4.90  | ng    |          |
| 88) Benzo(b)fluoranthene    | 23.386 | 252  | 416583m  | 9.17  | ng    |          |
| 89) Benzo(k)fluoranthene    | 23.427 | 252  | 128258m  | 2.86  | ng    |          |
| 90) Benzo(a)pyrene          | 24.027 | 252  | 335143   | 7.97  | ng    | 97       |
| 92) Benzo(g,h,i)perylene    | 27.474 | 276  | 247263   | 6.12  | ng    | 99       |
| -----                       |        |      |          |       |       |          |

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

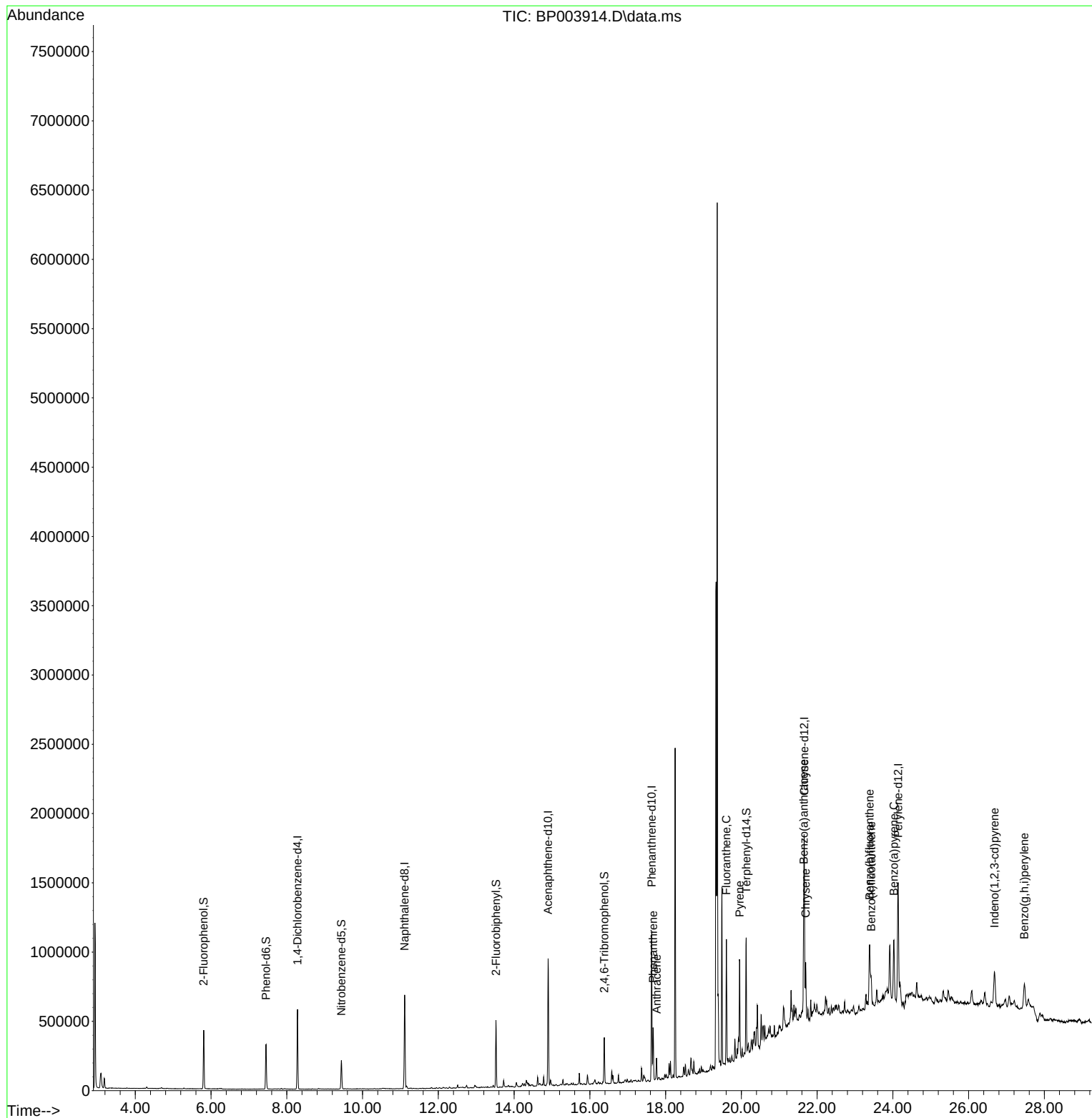
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111020\  
Data File : BP003914.D  
Acq On : 10 Nov 2020 21:51  
Operator : CG/JU  
Sample : L4594-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

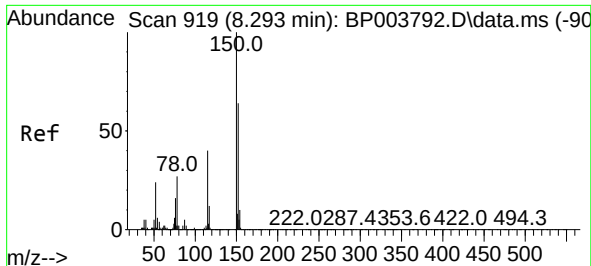
Instrument :  
BNA\_P  
ClientSampleId :  
OR-03-110920

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Quant Time: Nov 11 00:14:33 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP110320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 10 13:41:24 2020  
Response via : Initial Calibration





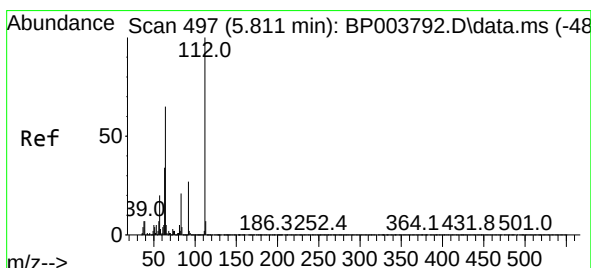
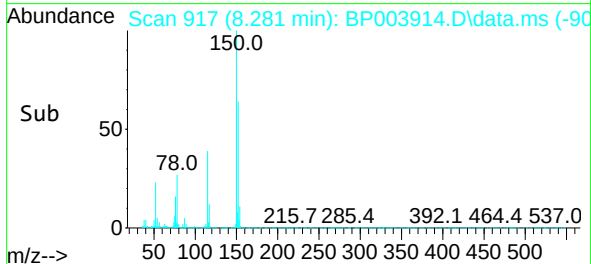
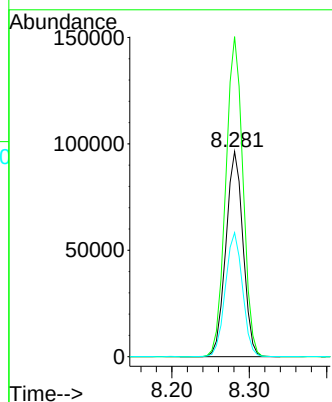
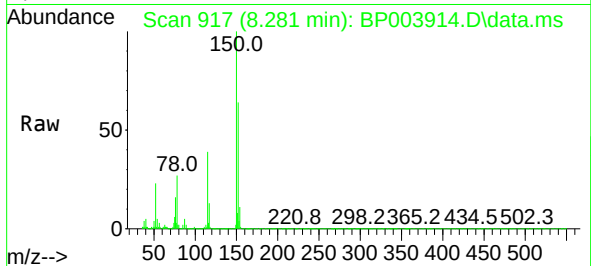
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.281 min Scan# 917  
Delta R.T. -0.000 min  
Lab File: BP003914.D  
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Tgt Ion:152 Resp: 148671  
Ion Ratio Lower Upper  
152 100  
150 156.1 123.8 185.6  
115 60.5 43.8 65.6

Instrument :  
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ClientSampleId :  
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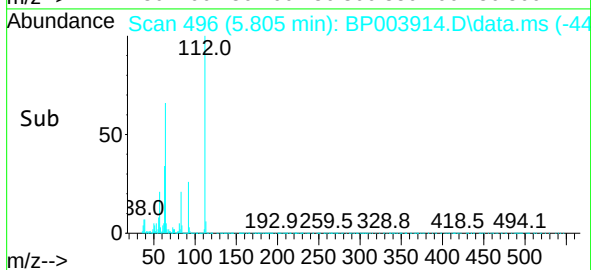
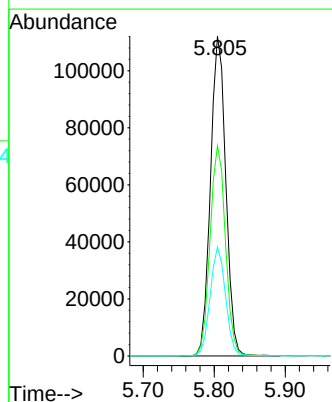
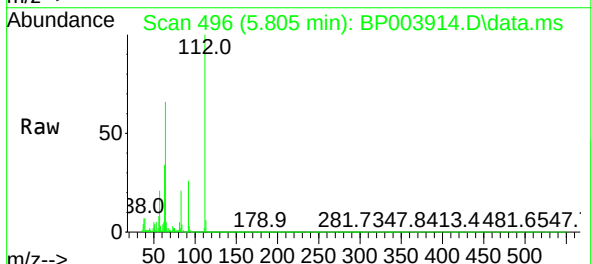
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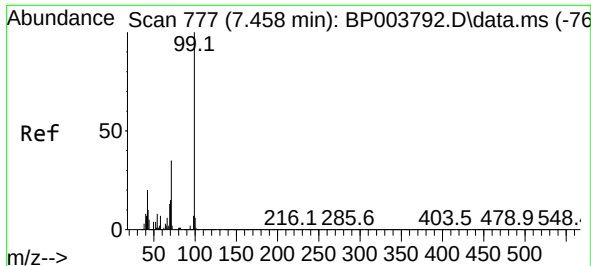
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#5  
2-Fluorophenol  
Concen: 18.87 ng  
RT: 5.805 min Scan# 496  
Delta R.T. 0.006 min  
Lab File: BP003914.D  
Acq: 10 Nov 2020 21:51

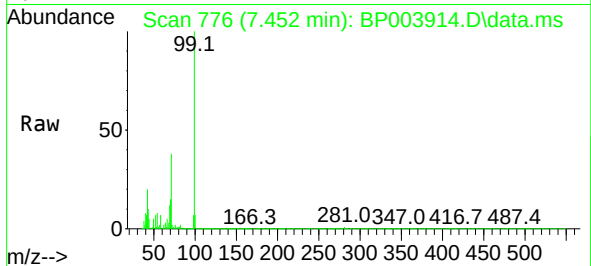
Tgt Ion:112 Resp: 168116  
Ion Ratio Lower Upper  
112 100  
64 65.7 32.8 49.2#  
63 34.1 17.0 25.4#





#7  
Phenol-d6  
Concen: 13.75 ng  
RT: 7.452 min Scan# 776  
Delta R.T. -0.000 min  
Lab File: BP003914.D  
Acq: 10 Nov 2020 21:51

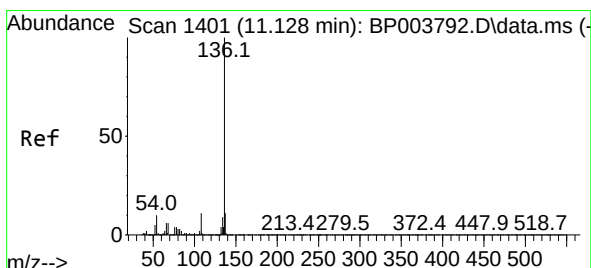
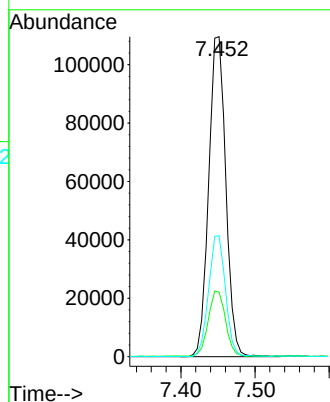
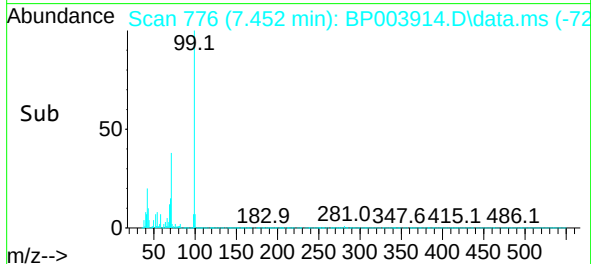
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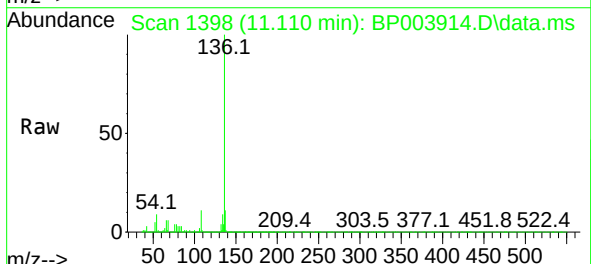
Tgt Ion: 99 Resp: 175827  
Ion Ratio Lower Upper  
99 100  
42 20.2 8.6 13.0#  
71 37.8 23.4 35.2#

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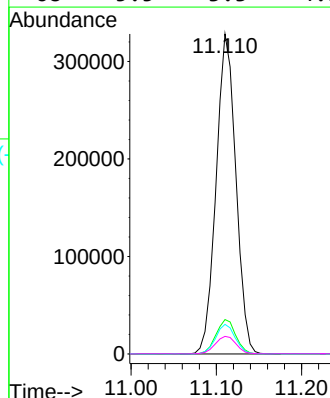
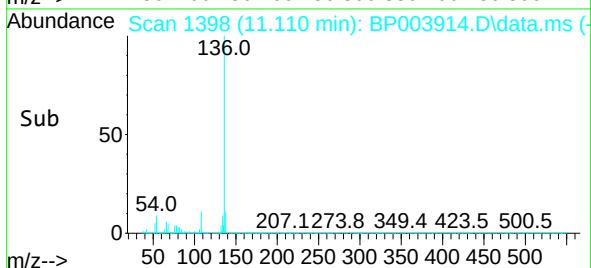
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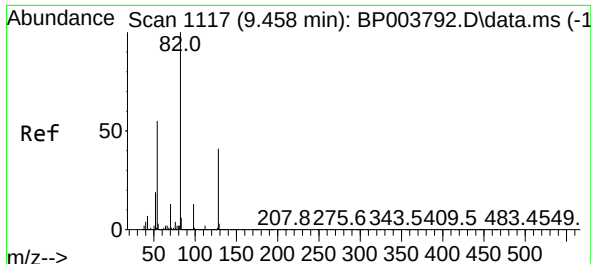


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.110 min Scan# 1398  
Delta R.T. -0.000 min  
Lab File: BP003914.D  
Acq: 10 Nov 2020 21:51



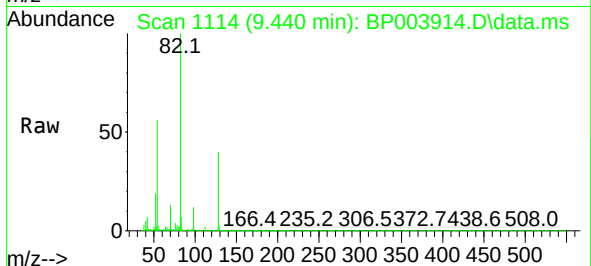
Tgt Ion: 136 Resp: 528542  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.6 13.0  
54 9.2 3.6 5.4#  
68 5.5 3.3 4.9#





#23  
Nitrobenzene-d5  
Concen: 10.42 ng  
RT: 9.440 min Scan# 1114  
Delta R.T. -0.000 min  
Lab File: BP003914.D  
Acq: 10 Nov 2020 21:51

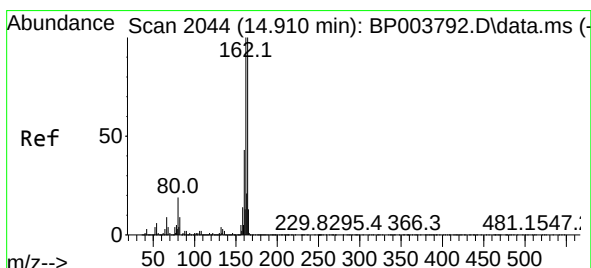
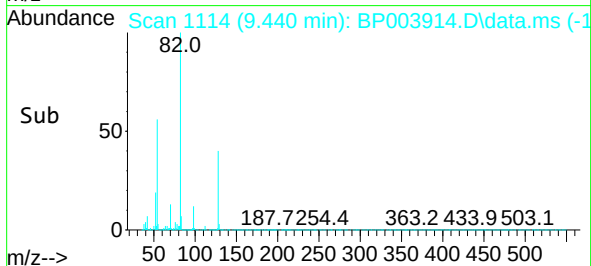
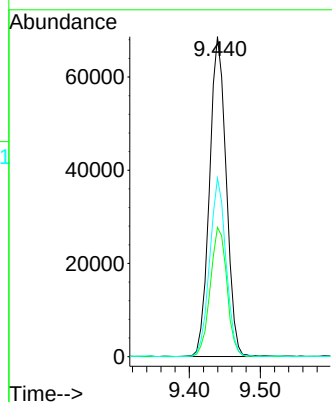
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Tgt Ion: 82 Resp: 112410  
Ion Ratio Lower Upper  
82 100  
128 40.4 45.6 68.4#  
54 55.8 30.1 45.1#

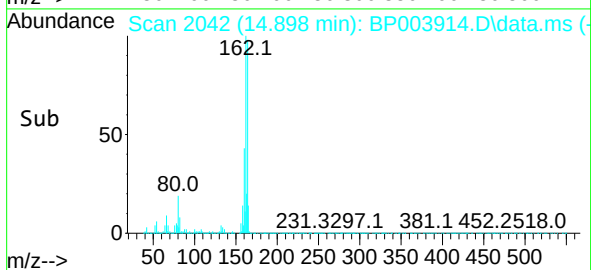
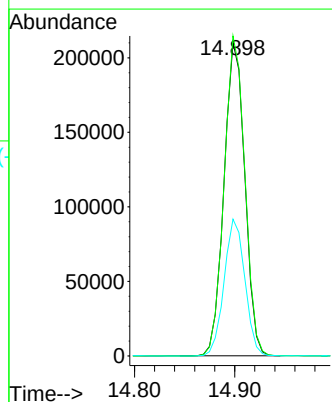
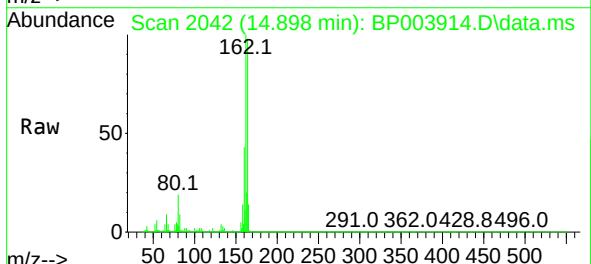
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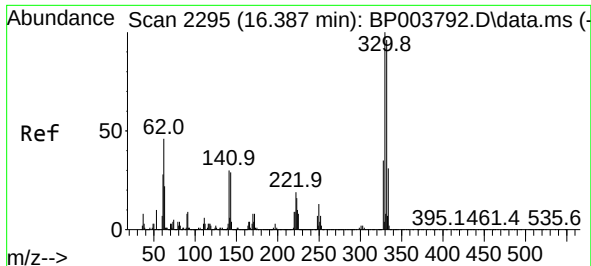
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#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.898 min Scan# 2042  
Delta R.T. -0.006 min  
Lab File: BP003914.D  
Acq: 10 Nov 2020 21:51

Tgt Ion: 164 Resp: 303377  
Ion Ratio Lower Upper  
164 100  
162 102.1 79.4 119.2  
160 43.6 36.1 54.1





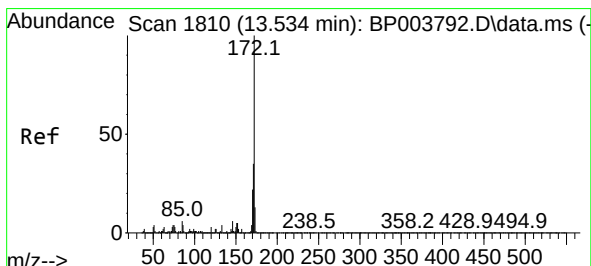
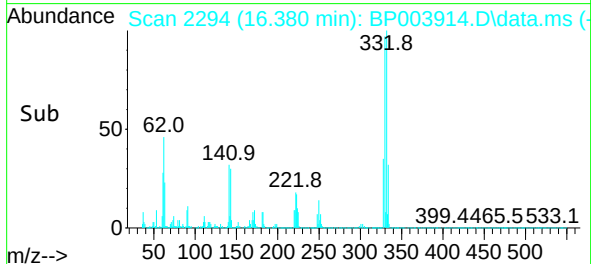
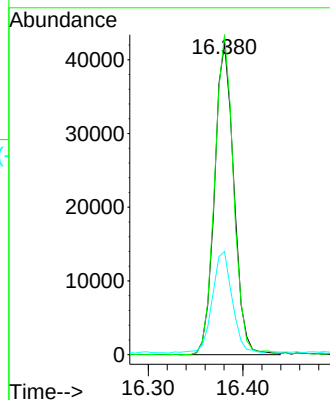
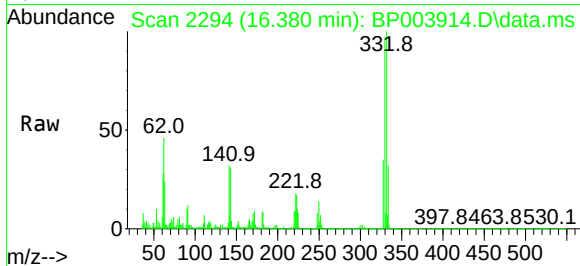
#42  
2,4,6-Tribromophenol  
Concen: 15.78 ng  
RT: 16.380 min Scan# 2294  
Delta R.T. -0.000 min  
Lab File: BP003914.D  
Acq: 10 Nov 2020 21:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 59859 |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 100.7 | 77.1  | 115.7 |
| 141       | 33.8  | 23.4  | 35.2  |

Instrument :  
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ClientSampleId :  
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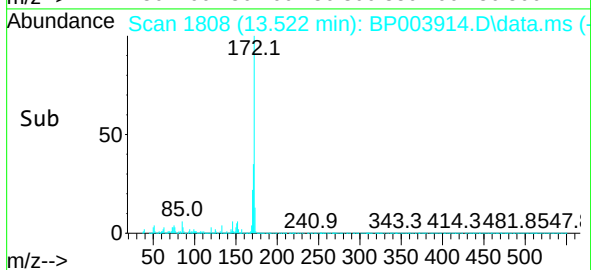
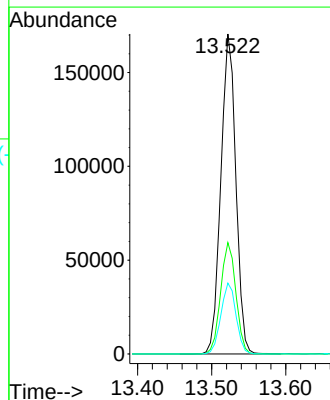
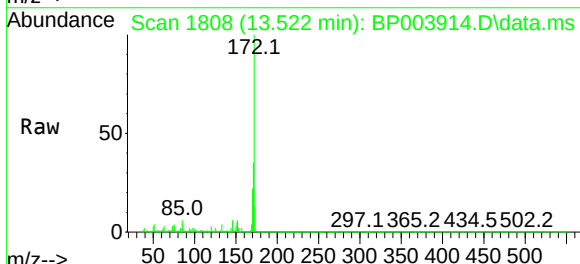
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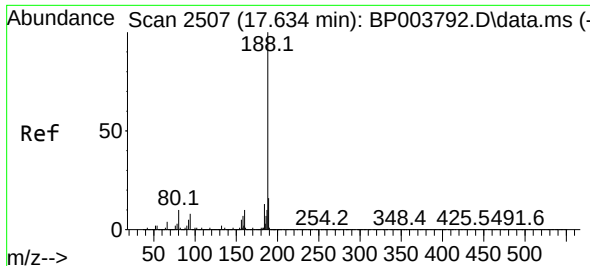
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#45  
2-Fluorobiphenyl  
Concen: 11.03 ng  
RT: 13.522 min Scan# 1808  
Delta R.T. -0.000 min  
Lab File: BP003914.D  
Acq: 10 Nov 2020 21:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 172   | Resp: | 239422 |
| Ion Ratio | Lower | Upper |        |
| 172       | 100   |       |        |
| 171       | 34.8  | 28.5  | 42.7   |
| 170       | 22.1  | 19.2  | 28.8   |





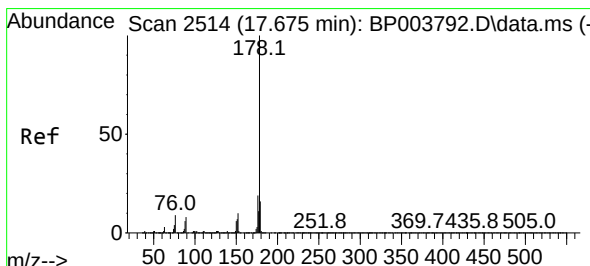
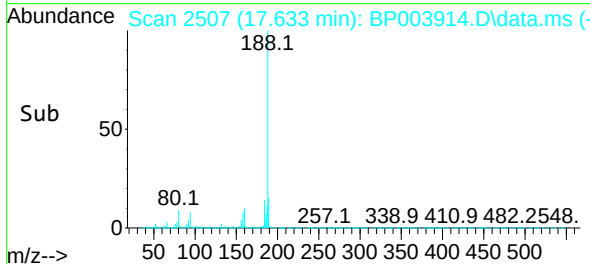
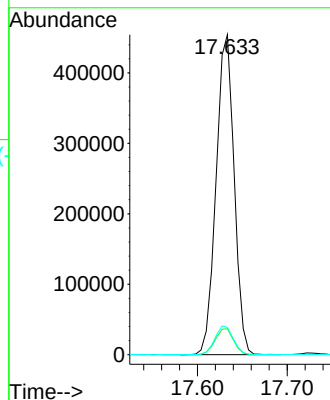
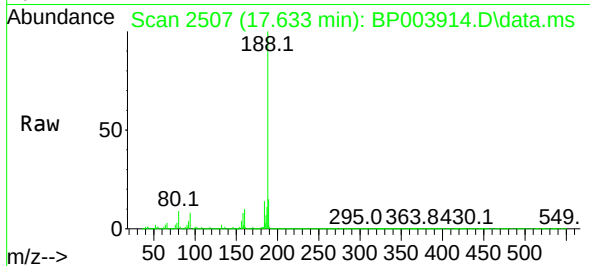
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Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.633 min Scan# 2507  
Delta R.T. 0.006 min  
Lab File: BP003914.D  
Acq: 10 Nov 2020 21:51

Tgt Ion:188 Resp: 634142  
Ion Ratio Lower Upper  
188 100  
94 8.1 6.2 9.2  
80 8.5 6.2 9.2

Instrument :  
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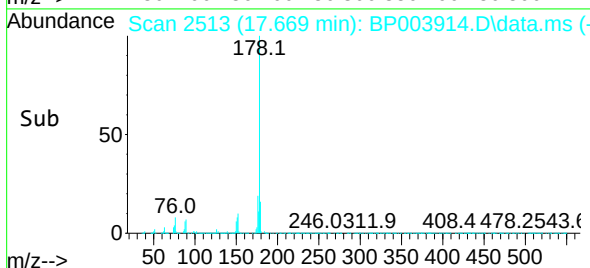
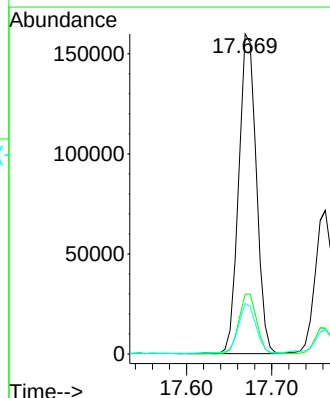
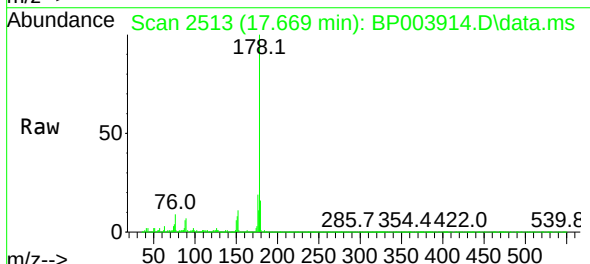
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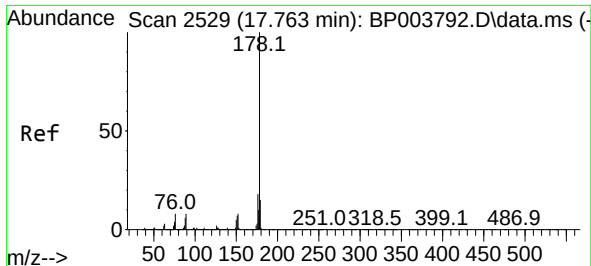
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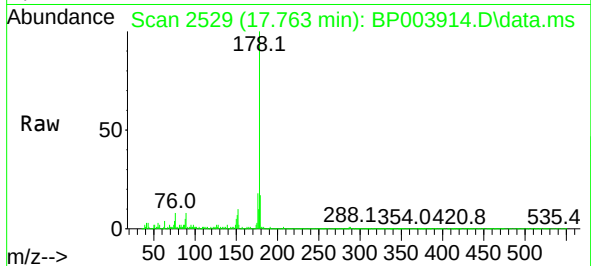
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Phenanthrene  
Concen: 6.44 ng  
RT: 17.669 min Scan# 2513  
Delta R.T. -0.006 min  
Lab File: BP003914.D  
Acq: 10 Nov 2020 21:51

Tgt Ion:178 Resp: 229279  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.3 22.9  
179 15.8 12.5 18.7

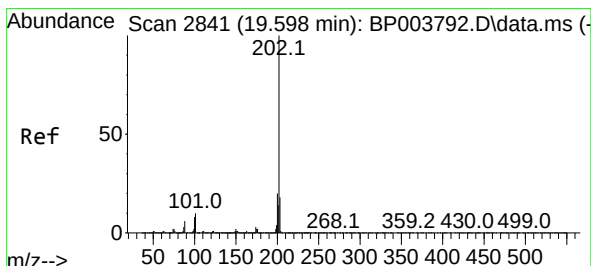
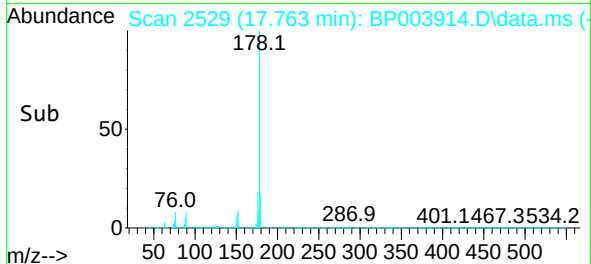
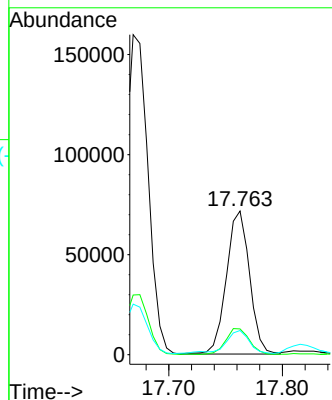




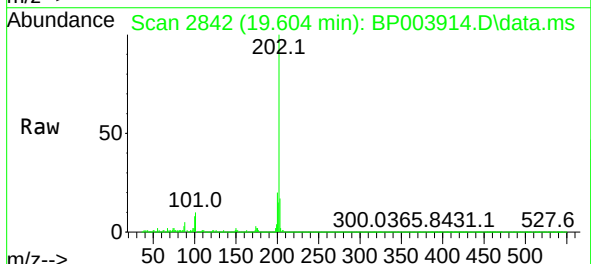
#72  
 Anthracene  
 Concen: 2.95 ng  
 RT: 17.763 min Scan# 2529  
 Delta R.T. -0.000 min  
 Lab File: BP003914.D  
 Acq: 10 Nov 2020 21:51



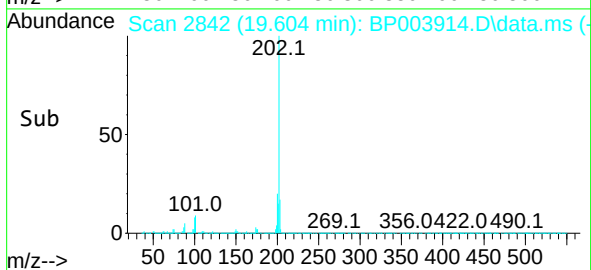
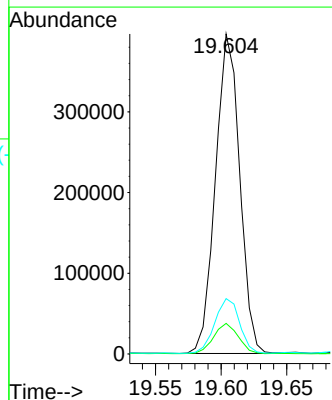
Tgt Ion:178 Resp: 101425  
 Ion Ratio Lower Upper  
 178 100  
 176 17.9 15.0 22.4  
 179 16.8 12.5 18.7



#75  
 Fluoranthene  
 Concen: 12.39 ng  
 RT: 19.604 min Scan# 2842  
 Delta R.T. -0.000 min  
 Lab File: BP003914.D  
 Acq: 10 Nov 2020 21:51



Tgt Ion:202 Resp: 508884  
 Ion Ratio Lower Upper  
 202 100  
 101 9.6 0.0 29.4  
 203 17.3 0.0 37.8

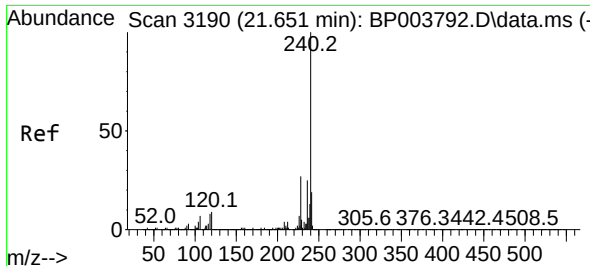


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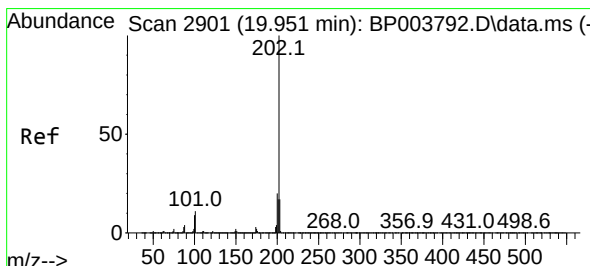
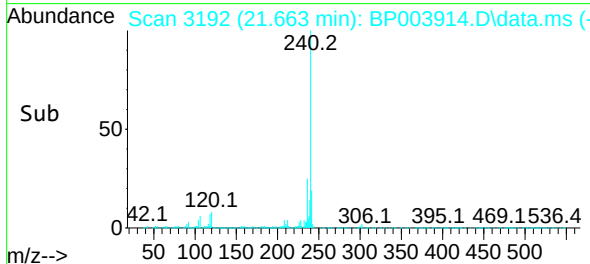
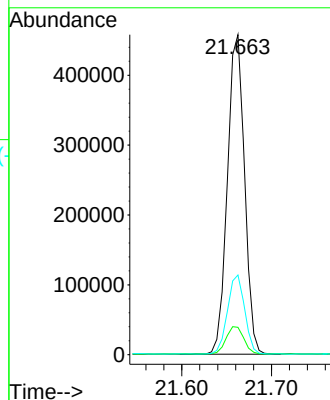
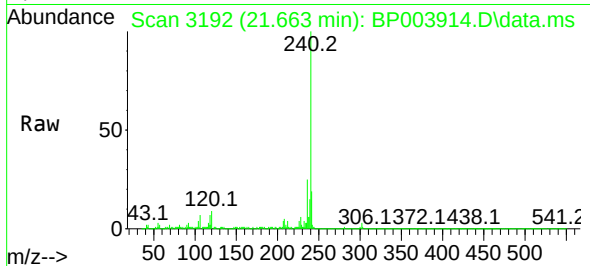
#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.663 min Scan# 3192  
Delta R.T. 0.006 min  
Lab File: BP003914.D  
Acq: 10 Nov 2020 21:51

Tgt Ion:240 Resp: 606117  
Ion Ratio Lower Upper  
240 100  
120 8.6 7.8 11.6  
236 24.9 20.8 31.2

Instrument :  
BNA\_P  
ClientSampleId :  
OR-03-110920

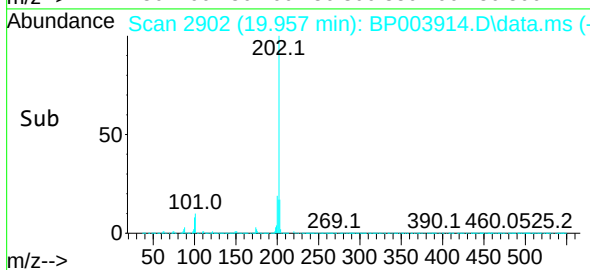
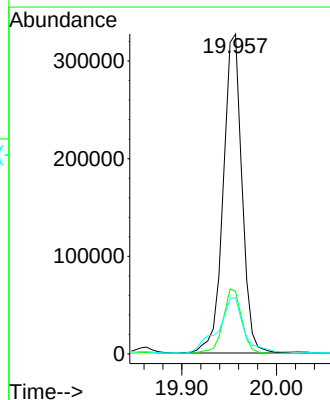
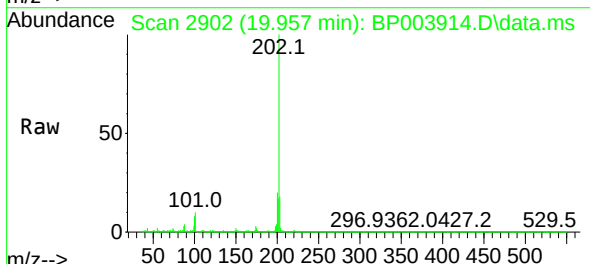
Manual Integrations  
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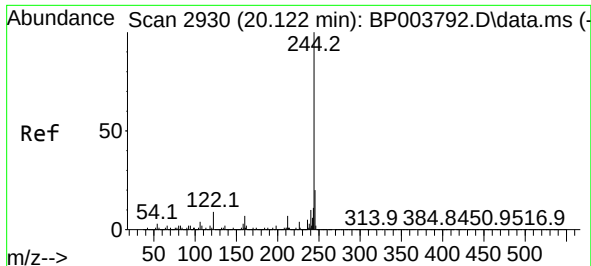
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#78  
Pyrene  
Concen: 10.93 ng  
RT: 19.957 min Scan# 2902  
Delta R.T. 0.006 min  
Lab File: BP003914.D  
Acq: 10 Nov 2020 21:51

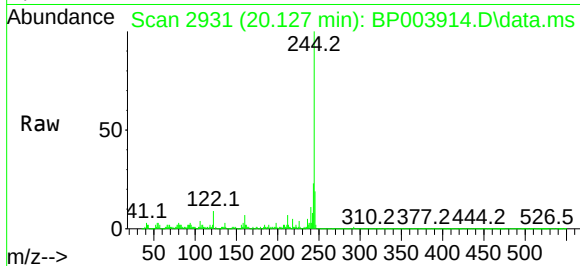
Tgt Ion:202 Resp: 449480  
Ion Ratio Lower Upper  
202 100  
200 19.5 17.1 25.7  
203 17.6 14.2 21.2





#79  
Terphenyl-d14  
Concen: 10.24 ng  
RT: 20.127 min Scan# 2931  
Delta R.T. -0.000 min  
Lab File: BP003914.D  
Acq: 10 Nov 2020 21:51

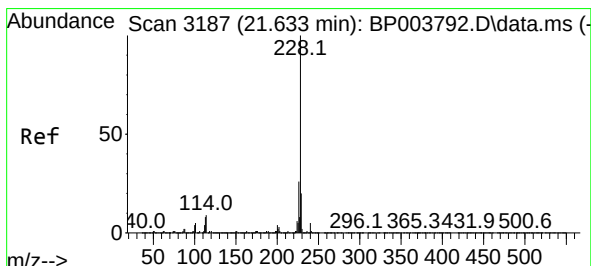
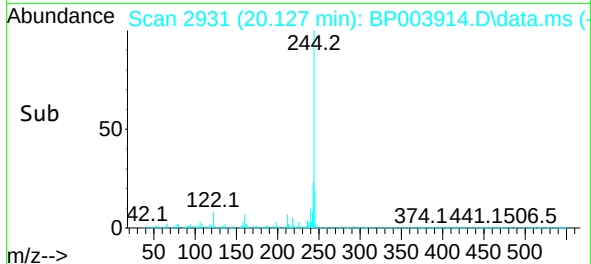
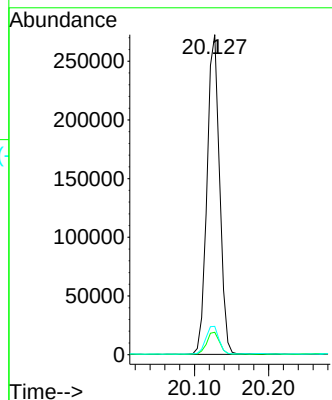
Instrument :  
BNA\_P  
ClientSampleId :  
OR-03-110920



Tgt Ion:244 Resp: 321295  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.8 8.6  
122 8.9 7.8 11.8

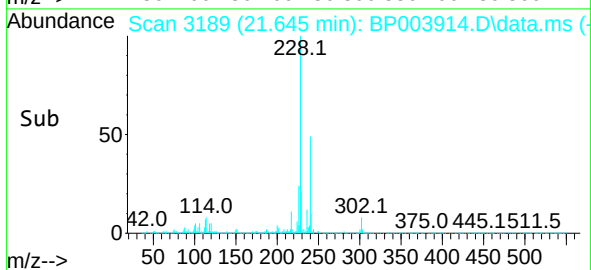
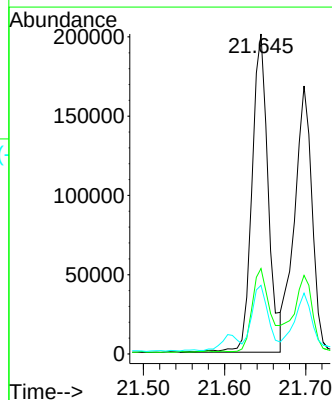
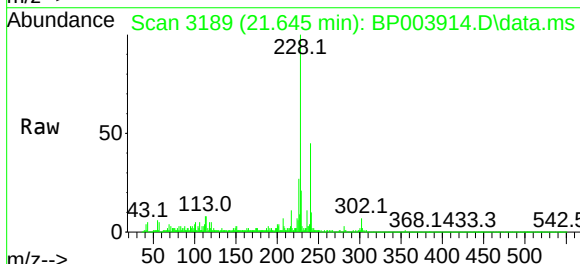
Manual Integrations  
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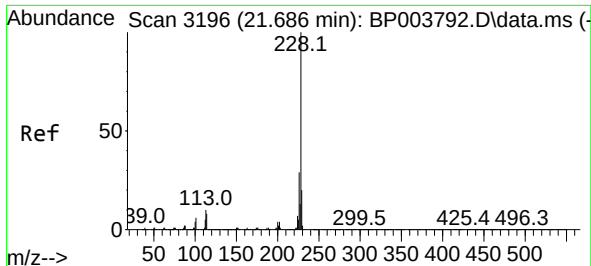
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#81  
Benzo(a)anthracene  
Concen: 6.97 ng  
RT: 21.645 min Scan# 3189  
Delta R.T. -0.000 min  
Lab File: BP003914.D  
Acq: 10 Nov 2020 21:51

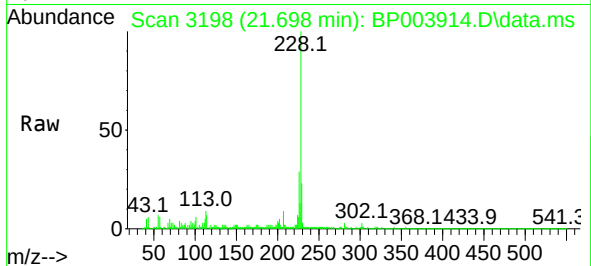
Tgt Ion:228 Resp: 278601  
Ion Ratio Lower Upper  
228 100  
226 26.7 22.1 33.1  
229 21.4 15.9 23.9





#83  
Chrysene  
Concen: 6.59 ng  
RT: 21.698 min Scan# 3198  
Delta R.T. -0.000 min  
Lab File: BP003914.D  
Acq: 10 Nov 2020 21:51

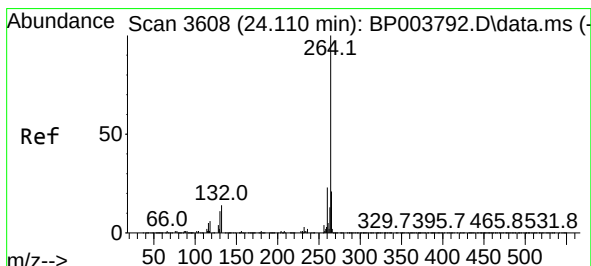
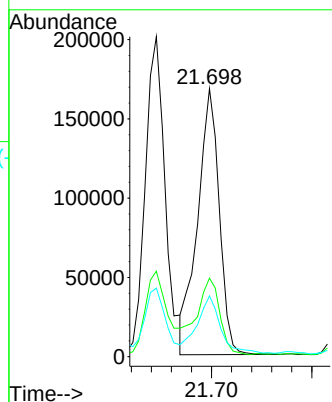
Instrument :  
BNA\_P  
ClientSampleId :  
OR-03-110920



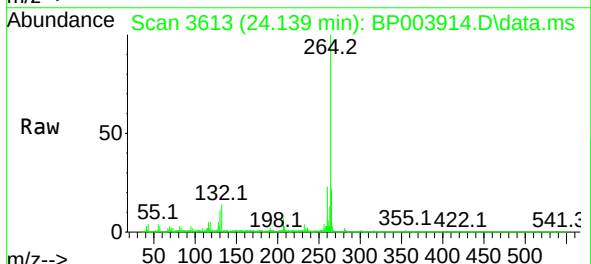
Tgt Ion:228 Resp: 253035  
Ion Ratio Lower Upper  
228 100  
226 29.3 24.4 36.6  
229 22.7 15.8 23.6

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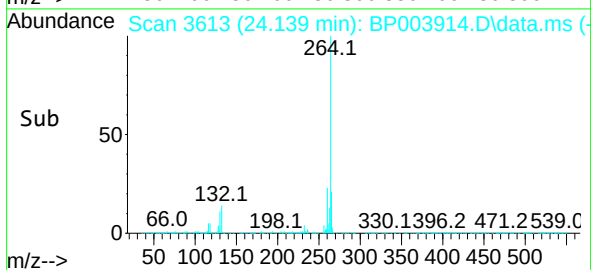
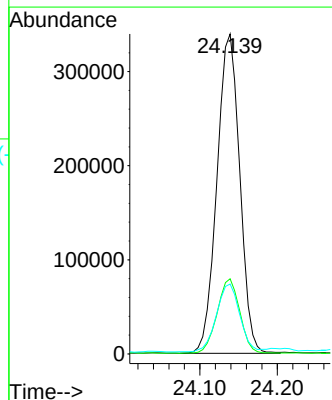
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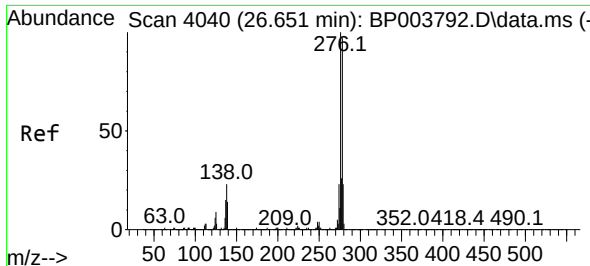


#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 24.139 min Scan# 3613  
Delta R.T. 0.012 min  
Lab File: BP003914.D  
Acq: 10 Nov 2020 21:51



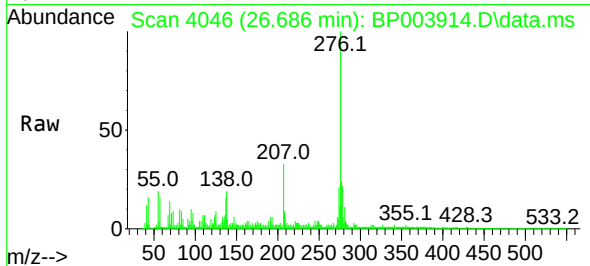
Tgt Ion:264 Resp: 693939  
Ion Ratio Lower Upper  
264 100  
260 23.5 18.8 28.2  
265 21.9 17.4 26.2





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 4.90 ng m  
RT: 26.686 min Scan# 4046  
Delta R.T. -0.000 min  
Lab File: BP003914.D  
Acq: 10 Nov 2020 21:51

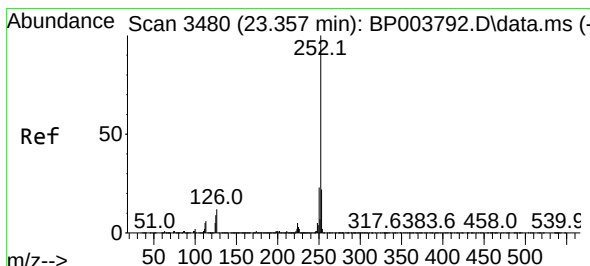
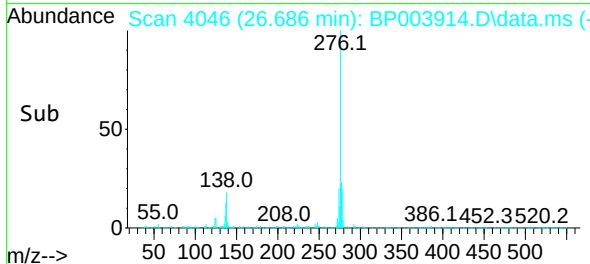
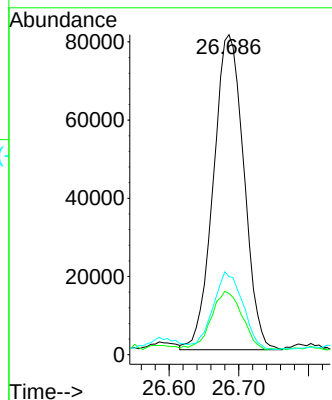
Instrument :  
BNA\_P  
ClientSampleId :  
OR-03-110920



Tgt Ion: 276 Resp: 245079  
Ion Ratio Lower Upper  
276 100  
138 0.6 18.7 28.1#  
277 0.7 20.4 30.6#

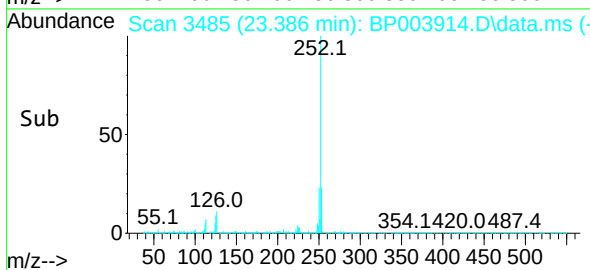
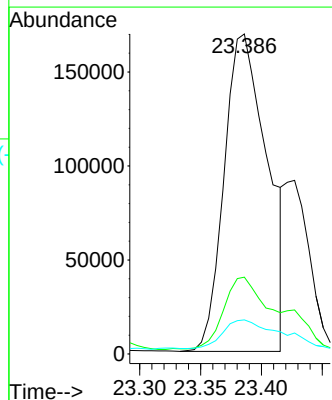
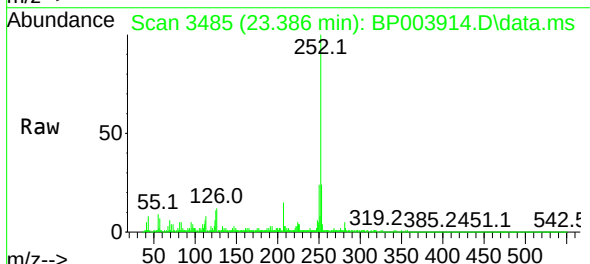
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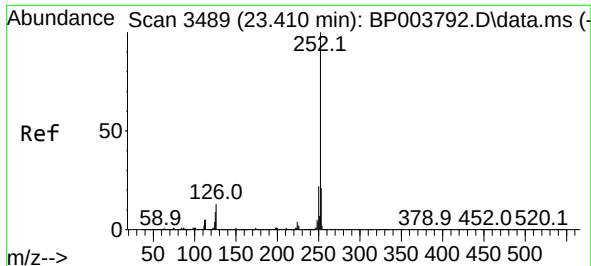
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#88  
Benzo(b)fluoranthene  
Concen: 9.17 ng m  
RT: 23.386 min Scan# 3485  
Delta R.T. 0.006 min  
Lab File: BP003914.D  
Acq: 10 Nov 2020 21:51

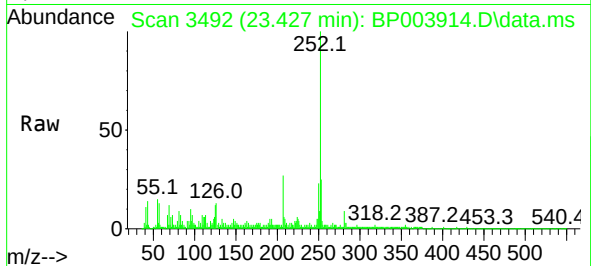
Tgt Ion: 252 Resp: 416583  
Ion Ratio Lower Upper  
252 100  
253 24.0 17.6 26.4  
125 10.6 7.3 10.9





#89  
Benzo(k)fluoranthene  
Concen: 2.86 ng m  
RT: 23.427 min Scan# 3492  
Delta R.T. -0.000 min  
Lab File: BP003914.D  
Acq: 10 Nov 2020 21:51

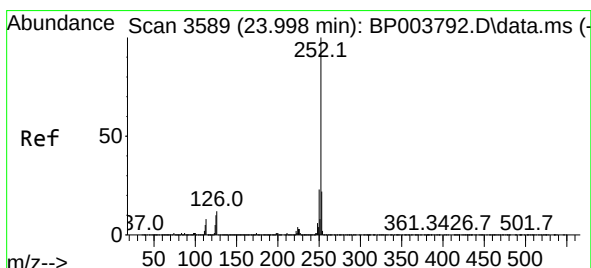
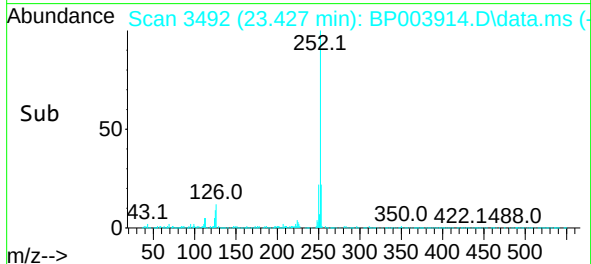
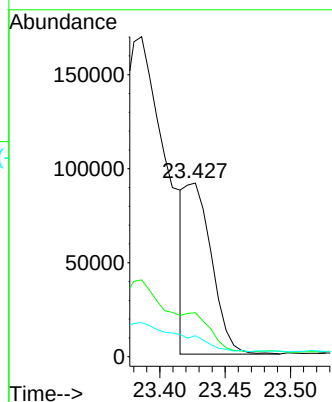
Instrument :  
BNA\_P  
ClientSampleId :  
OR-03-110920



Tgt Ion:252 Resp: 128258  
Ion Ratio Lower Upper  
252 100  
253 25.4 17.8 26.8  
125 12.1 7.4 11.2#

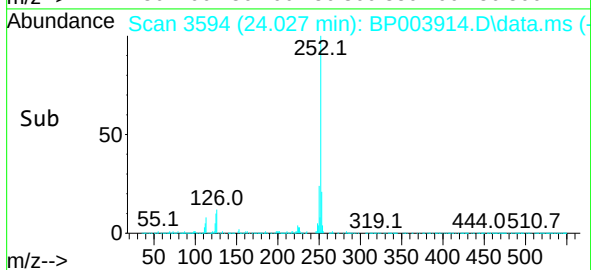
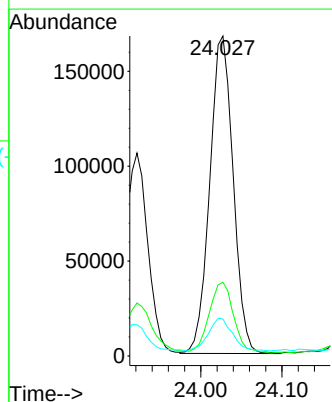
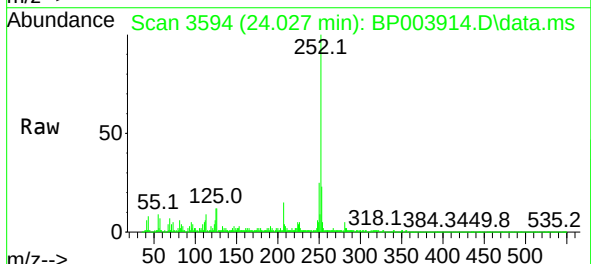
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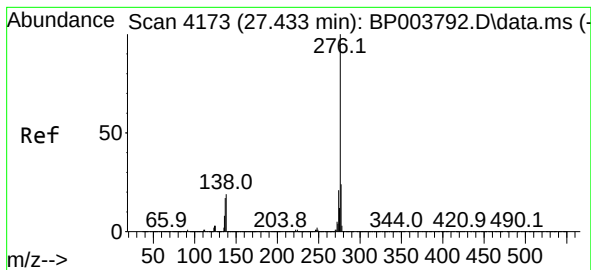
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#90  
Benzo(a)pyrene  
Concen: 7.97 ng  
RT: 24.027 min Scan# 3594  
Delta R.T. 0.006 min  
Lab File: BP003914.D  
Acq: 10 Nov 2020 21:51

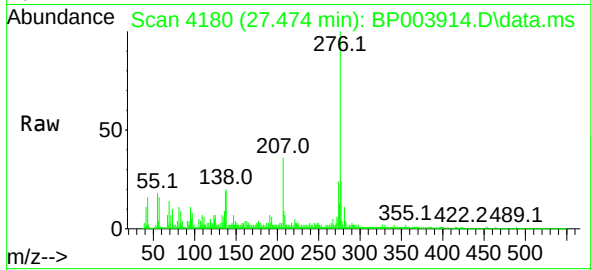
Tgt Ion:252 Resp: 335143  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.4 26.0  
125 11.5 8.2 12.4





#92  
Benzo(g,h,i)perylene  
Concen: 6.12 ng  
RT: 27.474 min Scan# 4180  
Delta R.T. -0.000 min  
Lab File: BP003914.D  
Acq: 10 Nov 2020 21:51

Instrument :  
BNA\_P  
ClientSampleId :  
OR-03-110920



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 247263 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 24.1  | 19.0  | 28.6   |
| 138       | 20.3  | 16.6  | 24.8   |

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