

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF123020\  
 Data File : BF122890.D  
 Acq On : 30 Dec 2020 21:09  
 Operator : JU/CG  
 Sample : L5235-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-05-122920

Manual Integrations  
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Quant Time: Dec 31 00:58:48 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF120520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 15 18:14:23 2020  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units | Dev(Min)  |
|-----------------------------|--------|------|----------|-------|-------|-----------|
| -----                       |        |      |          |       |       |           |
| Internal Standards          |        |      |          |       |       |           |
| 1) 1,4-Dichlorobenzene-d4   | 6.822  | 152  | 130481   | 20.00 | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.104  | 136  | 463045   | 20.00 | ng    | 0.00      |
| 39) Acenaphthene-d10        | 9.857  | 164  | 217388   | 20.00 | ng    | 0.00      |
| 64) Phenanthrene-d10        | 11.345 | 188  | 362115   | 20.00 | ng    | 0.00      |
| 76) Chrysene-d12            | 13.992 | 240  | 365187   | 20.00 | ng    | 0.00      |
| 86) Perylene-d12            | 15.462 | 264  | 347583   | 20.00 | ng    | 0.02      |
| System Monitoring Compounds |        |      |          |       |       |           |
| 5) 2-Fluorophenol           | 5.440  | 112  | 561655   | 68.15 | ng    | 0.00      |
| 7) Phenol-d6                | 6.457  | 99   | 649296   | 59.40 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.381  | 82   | 394231   | 42.66 | ng    | -0.01     |
| 42) 2,4,6-Tribromophenol    | 10.651 | 330  | 164468   | 57.80 | ng    | 0.00      |
| 45) 2-Fluorobiphenyl        | 9.181  | 172  | 716103   | 44.56 | ng    | 0.00      |
| 79) Terphenyl-d14           | 12.933 | 244  | 735592   | 35.26 | ng    | 0.00      |
| Target Compounds            |        |      |          |       |       |           |
| 10) Phenol                  | 6.469  | 94   | 39102    | 3.45  | ng    | Qvalue 97 |
| 75) Fluoranthene            | 12.563 | 202  | 71850    | 3.18  | ng    | 100       |
| 78) Pyrene                  | 12.792 | 202  | 74869    | 2.65  | ng    | 98        |
| 88) Benzo(b)fluoranthene    | 15.039 | 252  | 49995m   | 2.05  | ng    |           |
| -----                       |        |      |          |       |       |           |

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

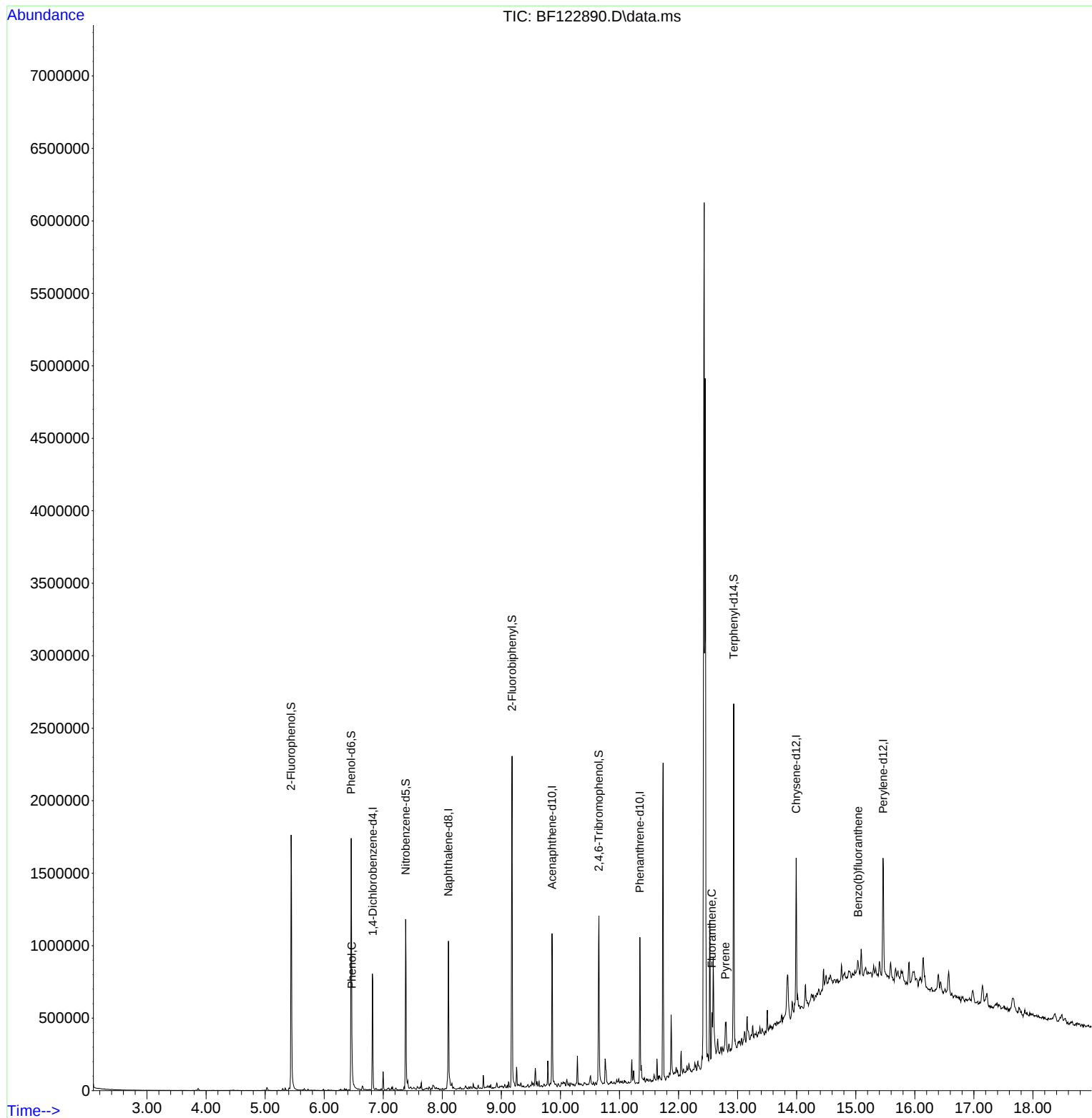
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Data File : BF122890.D  
Acq On : 30 Dec 2020 21:09  
Operator : JU/CG  
Sample : L5235-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TR-05-122920

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Quant Time: Dec 31 00:58:48 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF120520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 15 18:14:23 2020  
Response via : Initial Calibration





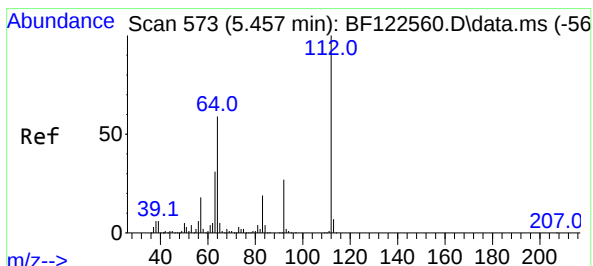
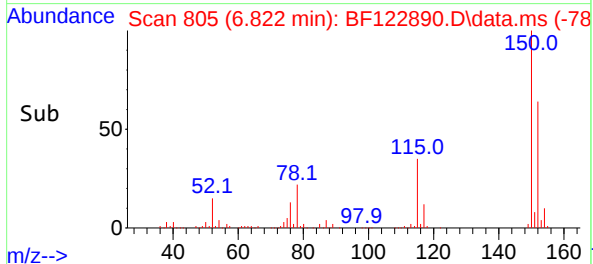
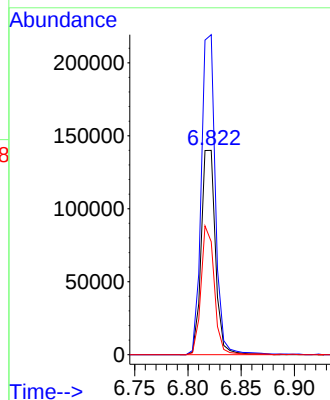
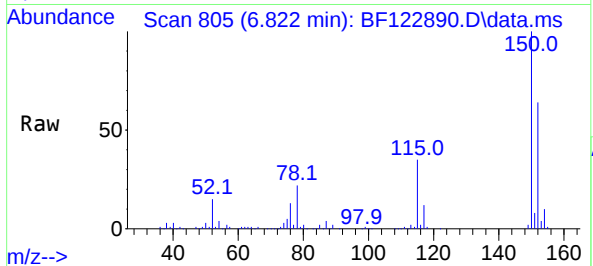
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.822 min Scan# 805  
Delta R.T. -0.000 min  
Lab File: BF122890.D  
Acq: 30 Dec 2020 21:09

Tgt Ion:152 Resp: 130481  
Ion Ratio Lower Upper  
152 100  
150 156.6 125.8 188.6  
115 55.3 49.3 73.9

Instrument :  
BNA\_F  
ClientSampleId :  
TR-05-122920

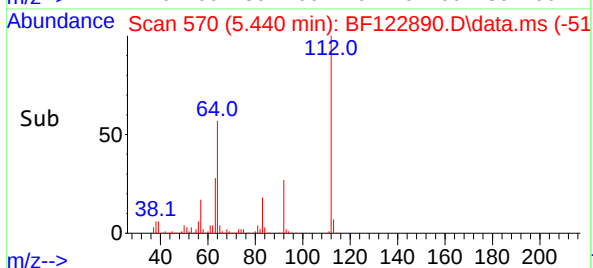
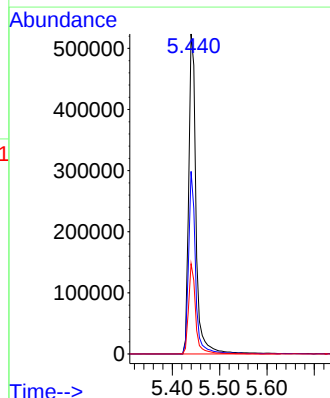
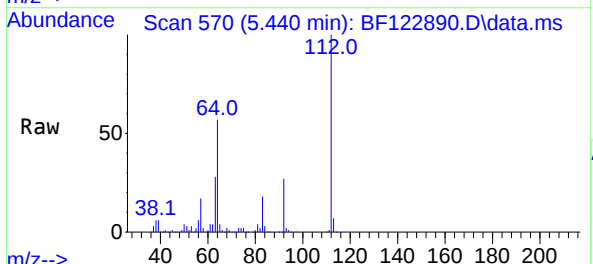
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#5  
2-Fluorophenol  
Concen: 68.15 ng  
RT: 5.440 min Scan# 570  
Delta R.T. 0.006 min  
Lab File: BF122890.D  
Acq: 30 Dec 2020 21:09

Tgt Ion:112 Resp: 561655  
Ion Ratio Lower Upper  
112 100  
64 57.0 46.9 70.3  
63 28.2 24.5 36.7





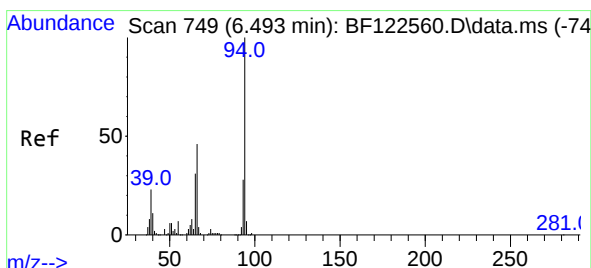
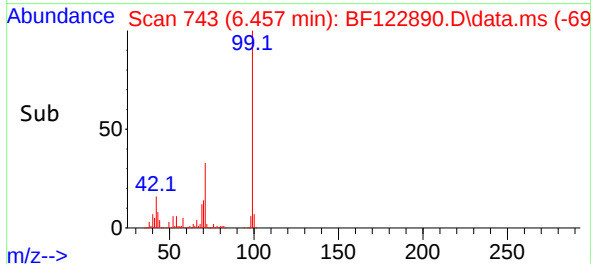
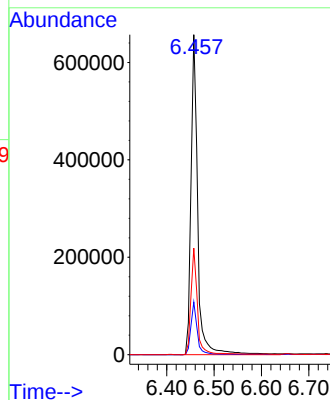
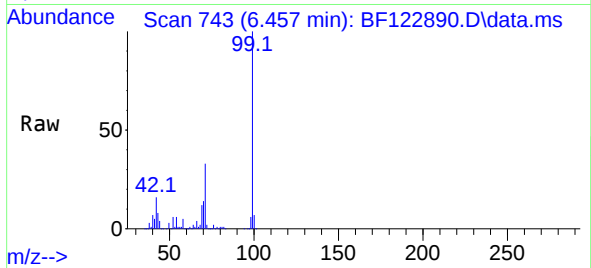
#7  
Phenol-d6  
Concen: 59.40 ng  
RT: 6.457 min Scan# 743  
Delta R.T. -0.000 min  
Lab File: BF122890.D  
Acq: 30 Dec 2020 21:09

Tgt Ion: 99 Resp: 649296  
Ion Ratio Lower Upper  
99 100  
42 16.5 13.8 20.6  
71 33.3 26.9 40.3

Instrument :  
BNA\_F  
ClientSampleId :  
TR-05-122920

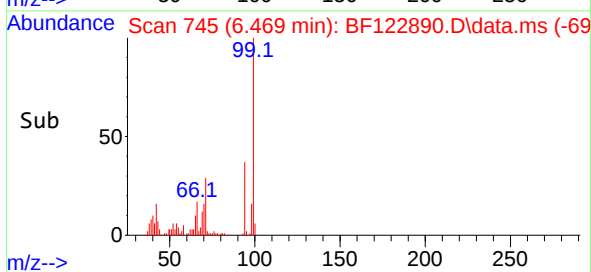
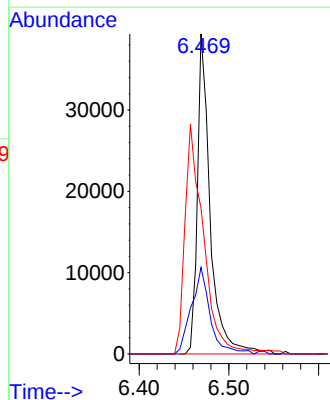
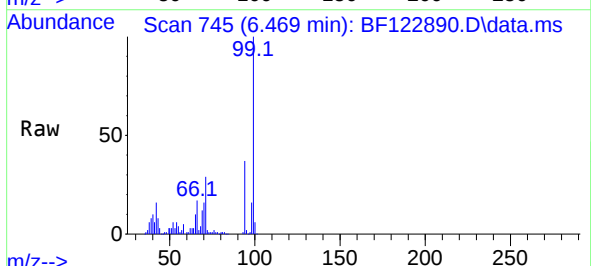
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#10  
Phenol  
Concen: 3.45 ng  
RT: 6.469 min Scan# 745  
Delta R.T. -0.000 min  
Lab File: BF122890.D  
Acq: 30 Dec 2020 21:09

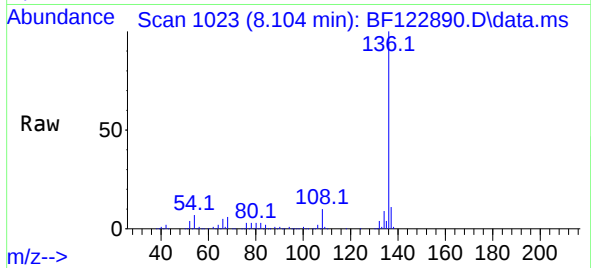
Tgt Ion: 94 Resp: 39102  
Ion Ratio Lower Upper  
94 100  
65 27.0 11.2 51.2  
66 45.7 25.8 65.8





#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.104 min Scan# 1023  
Delta R.T. -0.006 min  
Lab File: BF122890.D  
Acq: 30 Dec 2020 21:09

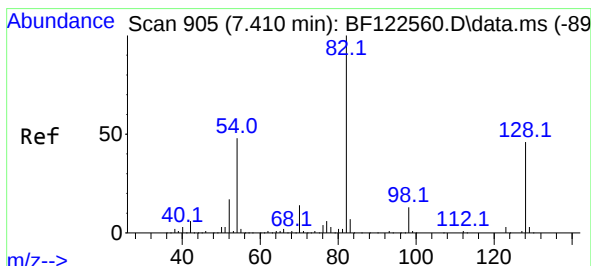
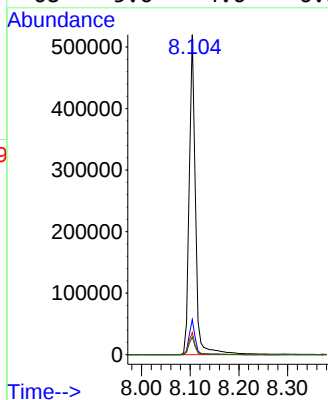
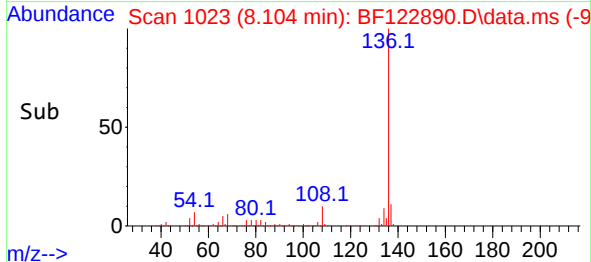
Instrument :  
BNA\_F  
ClientSampleId :  
TR-05-122920



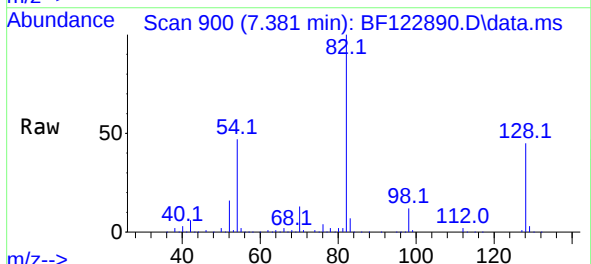
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 463045 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.8   | 13.2   |
| 54       | 6.9   | 5.5   | 8.3    |
| 68       | 5.6   | 4.6   | 6.8    |

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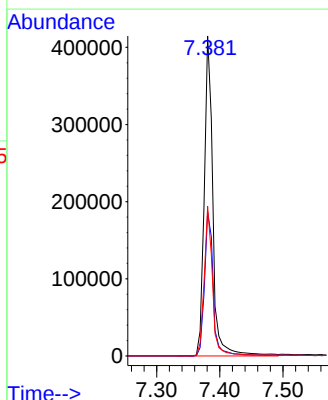
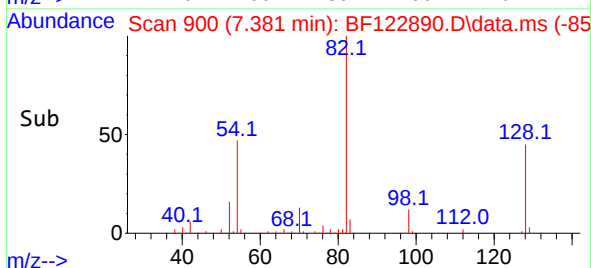
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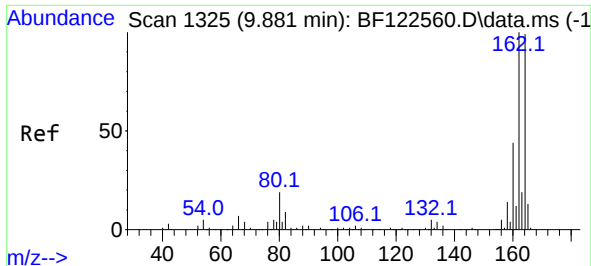


#23  
Nitrobenzene-d5  
Concen: 42.66 ng  
RT: 7.381 min Scan# 900  
Delta R.T. -0.012 min  
Lab File: BF122890.D  
Acq: 30 Dec 2020 21:09

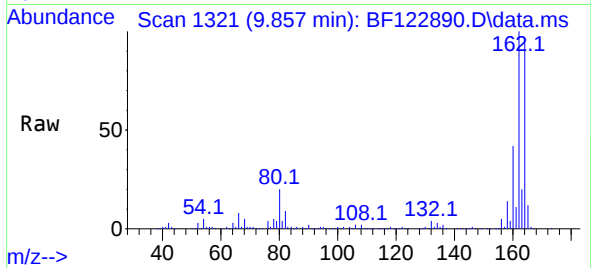


|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 394231 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 44.9  | 37.0  | 55.4   |
| 54       | 46.8  | 38.4  | 57.6   |

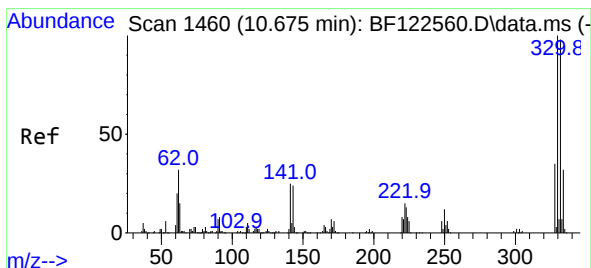
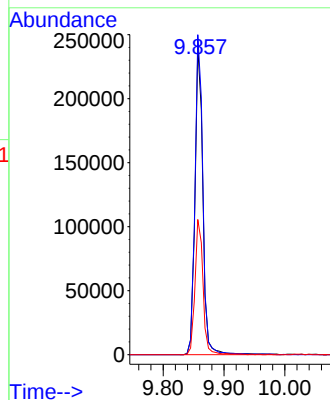
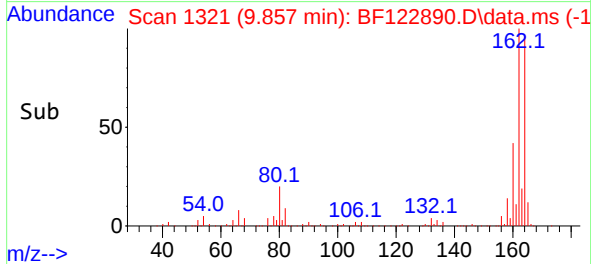




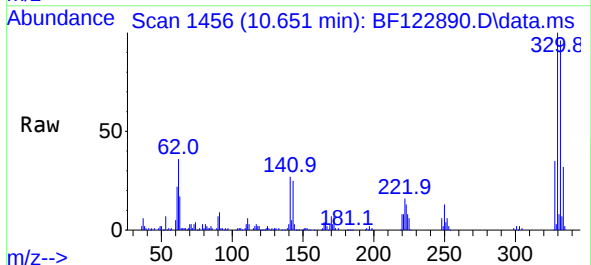
#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. -0.006 min  
Lab File: BF122890.D  
Acq: 30 Dec 2020 21:09



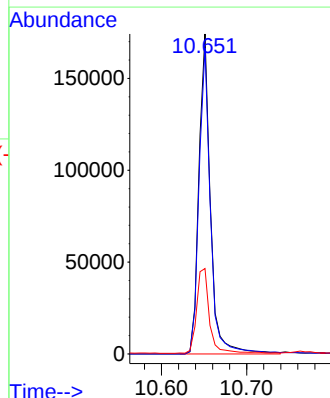
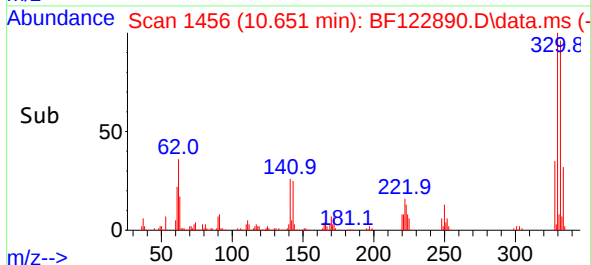
Tgt Ion:164 Resp: 217388  
Ion Ratio Lower Upper  
164 100  
162 104.2 80.8 121.2  
160 44.0 35.4 53.0



#42  
2,4,6-Tribromophenol  
Concen: 57.80 ng  
RT: 10.651 min Scan# 1456  
Delta R.T. -0.000 min  
Lab File: BF122890.D  
Acq: 30 Dec 2020 21:09



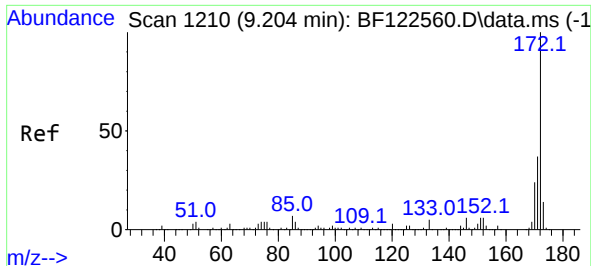
Tgt Ion:330 Resp: 164468  
Ion Ratio Lower Upper  
330 100  
332 96.1 77.5 116.3  
141 29.4 23.8 35.8



Instrument :  
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ClientSampleId :  
TR-05-122920

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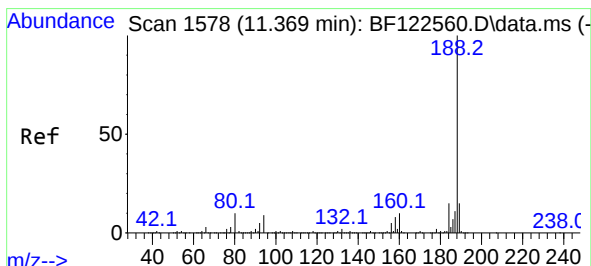
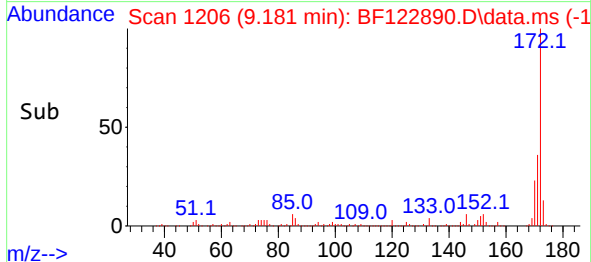
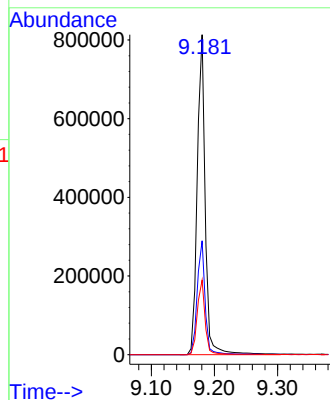
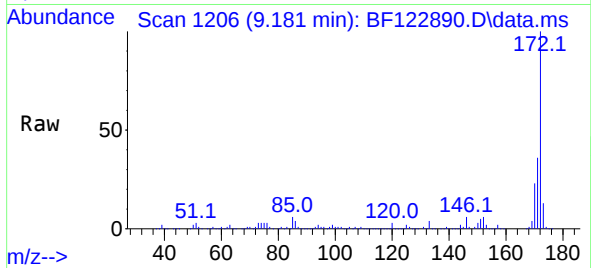
#45  
2-Fluorobiphenyl  
Concen: 44.56 ng  
RT: 9.181 min Scan# 1206  
Delta R.T. -0.006 min  
Lab File: BF122890.D  
Acq: 30 Dec 2020 21:09

Tgt Ion:172 Resp: 716103  
Ion Ratio Lower Upper  
172 100  
171 35.6 29.6 44.4  
170 23.3 19.5 29.3

Instrument :  
BNA\_F  
ClientSampleId :  
TR-05-122920

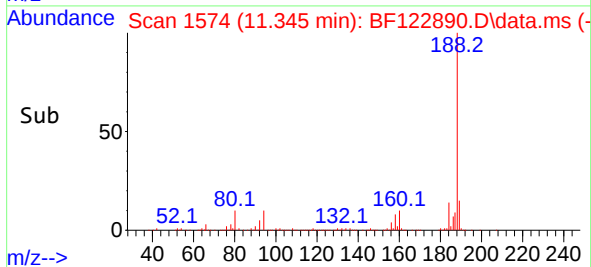
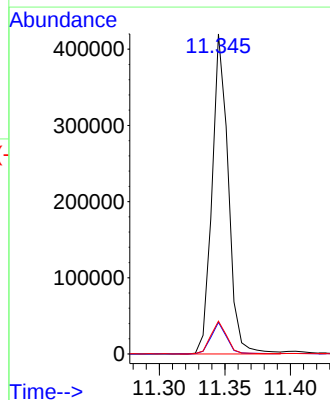
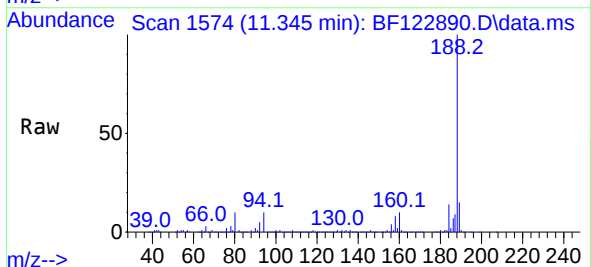
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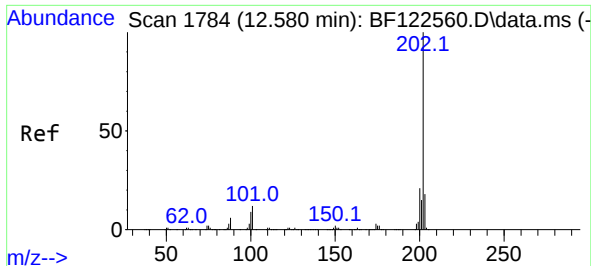
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#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.345 min Scan# 1574  
Delta R.T. -0.000 min  
Lab File: BF122890.D  
Acq: 30 Dec 2020 21:09

Tgt Ion:188 Resp: 362115  
Ion Ratio Lower Upper  
188 100  
94 9.9 7.4 11.2  
80 10.2 8.2 12.4





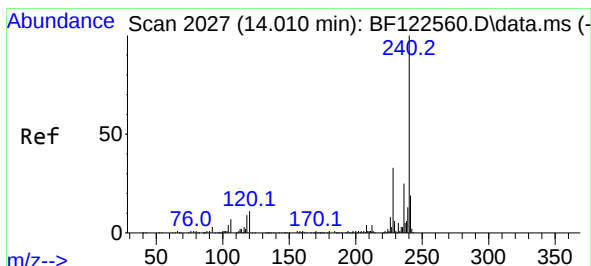
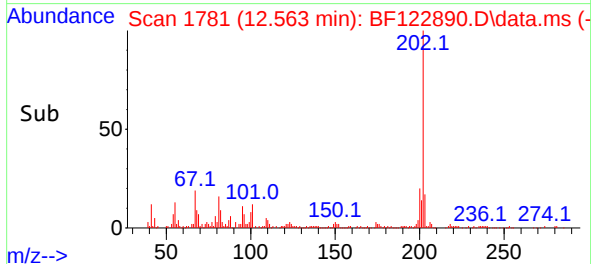
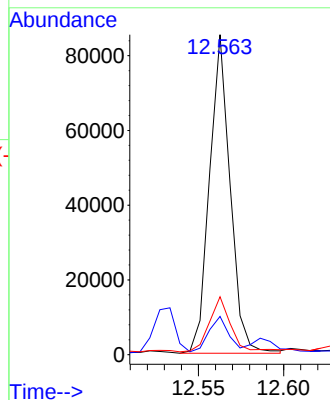
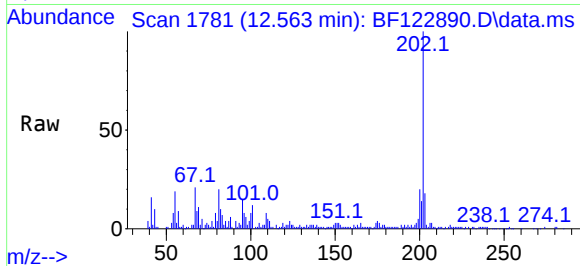
#75  
Fluoranthene  
Concen: 3.18 ng  
RT: 12.563 min Scan# 1781  
Delta R.T. 0.006 min  
Lab File: BF122890.D  
Acq: 30 Dec 2020 21:09

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 71850 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 11.9  | 0.0   | 32.2  |
| 203       | 18.1  | 0.0   | 38.1  |

Instrument :  
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TR-05-122920

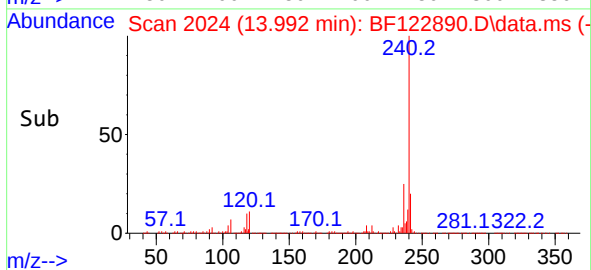
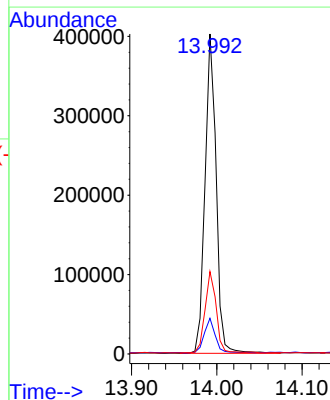
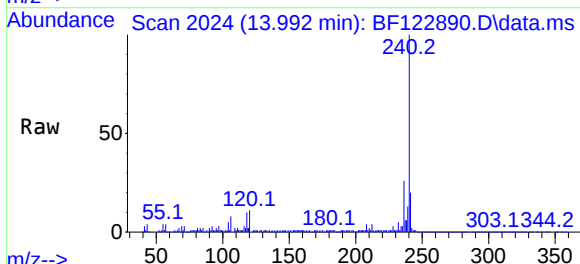
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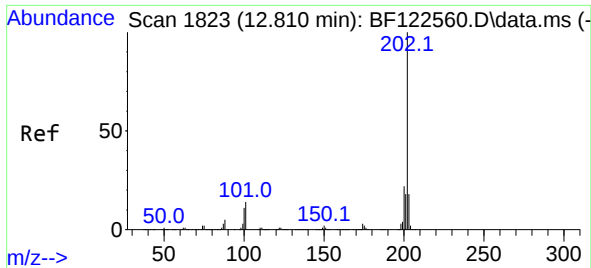
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12/31/2020 10:45:38 AM



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.992 min Scan# 2024  
Delta R.T. 0.006 min  
Lab File: BF122890.D  
Acq: 30 Dec 2020 21:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 365187 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 11.2  | 8.6   | 12.8   |
| 236       | 25.8  | 20.3  | 30.5   |





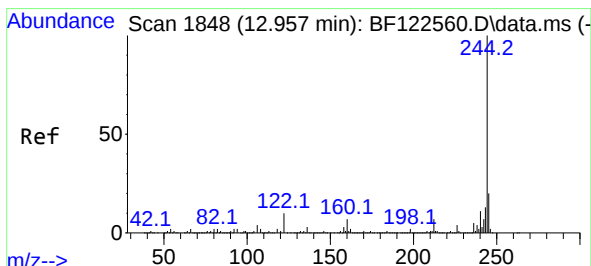
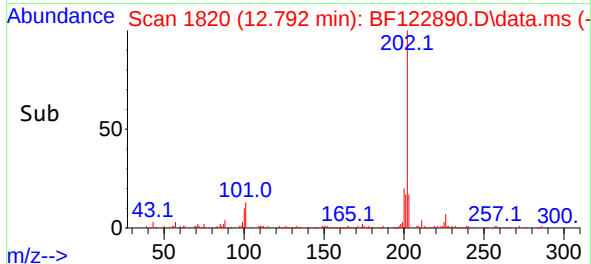
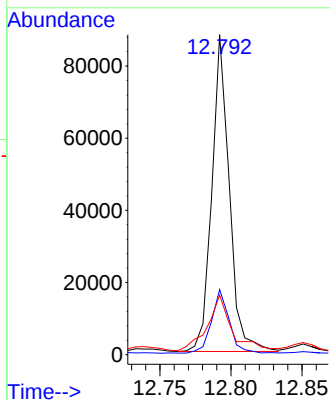
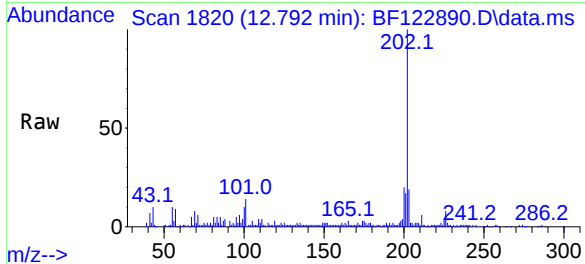
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Pyrene  
Concen: 2.65 ng  
RT: 12.792 min Scan# 1820  
Delta R.T. 0.006 min  
Lab File: BF122890.D  
Acq: 30 Dec 2020 21:09

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 74869 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 20.3  | 17.6  | 26.4  |
| 203       | 18.6  | 14.6  | 21.8  |

Instrument :  
BNA\_F  
ClientSampleId :  
TR-05-122920

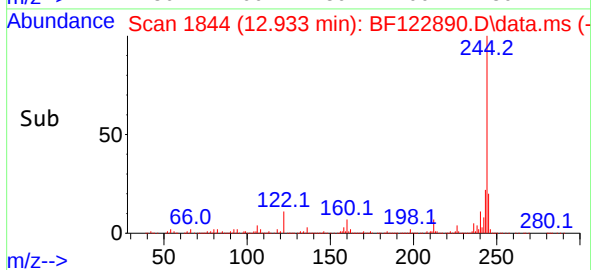
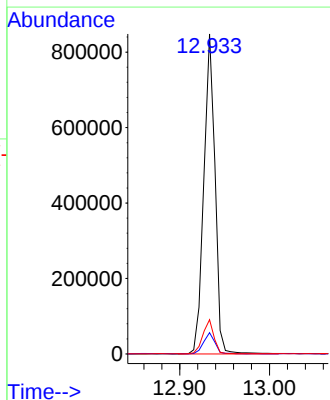
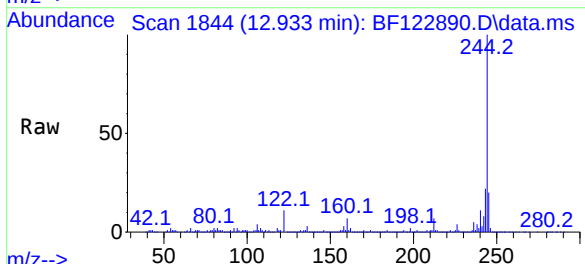
Manual Integrations  
APPROVED

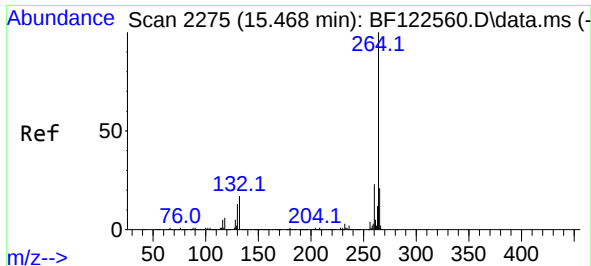
mohammad  
12/31/2020 10:45:38 AM



#79  
Terphenyl-d14  
Concen: 35.26 ng  
RT: 12.933 min Scan# 1844  
Delta R.T. -0.000 min  
Lab File: BF122890.D  
Acq: 30 Dec 2020 21:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 244   | Resp: | 735592 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 6.7   | 5.7   | 8.5    |
| 122       | 10.7  | 8.3   | 12.5   |





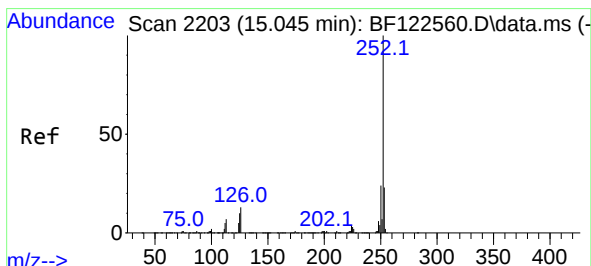
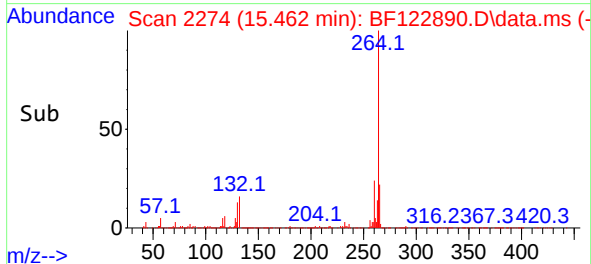
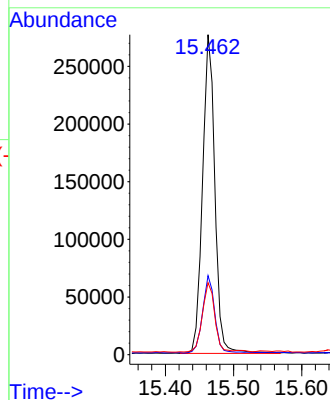
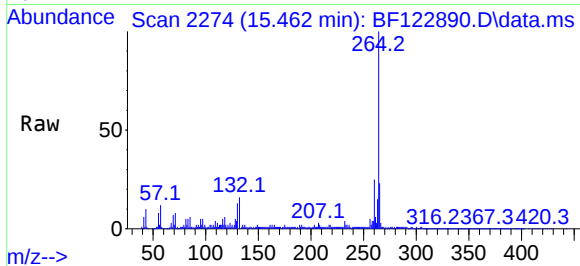
#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.462 min Scan# 2274  
Delta R.T. 0.023 min  
Lab File: BF122890.D  
Acq: 30 Dec 2020 21:09

Tgt Ion:264 Resp: 347583  
Ion Ratio Lower Upper  
264 100  
260 24.7 18.6 28.0  
265 22.5 17.0 25.6

Instrument :  
BNA\_F  
ClientSampleId :  
TR-05-122920

Manual Integrations  
APPROVED

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#88  
Benzo(b)fluoranthene  
Concen: 2.05 ng m  
RT: 15.039 min Scan# 2202  
Delta R.T. 0.017 min  
Lab File: BF122890.D  
Acq: 30 Dec 2020 21:09

Tgt Ion:252 Resp: 49995  
Ion Ratio Lower Upper  
252 100  
253 38.8 18.3 27.5#  
125 24.0 8.1 12.1#

