

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP091620\  
 Data File : BP003311.D  
 Acq On : 16 Sep 2020 20:25  
 Operator : CG/JU  
 Sample : L4015-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 REACTOR-6E-(A-D-0-4)

Manual Integrations  
 APPROVED

mohammad  
 9/18/2020 11:28:47 AM

Quant Time: Sep 17 02:33:05 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP091520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 16 13:18:39 2020  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-------|-------|----------|
| -----                       |        |      |          |       |       |          |
| Internal Standards          |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.616  | 152  | 153019   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.393 | 136  | 597363   | 20.00 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.263 | 164  | 351051   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.016 | 188  | 671990   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.110 | 240  | 597694   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 23.321 | 264  | 668836   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.228  | 112  | 845795   | 96.52 | ng    | 0.00     |
| 7) Phenol-d6                | 6.811  | 99   | 1055164  | 90.33 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.763  | 82   | 701259   | 68.97 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.763 | 330  | 426843   | 79.72 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.881 | 172  | 1603432  | 66.80 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.592 | 244  | 1710433  | 59.63 | ng    | 0.00     |
| Target Compounds            |        |      |          |       |       |          |
|                             |        |      |          |       |       | Qvalue   |
| 50) Dimethylphthalate       | 13.722 | 163  | 182451   | 6.51  | ng    | 100      |
| 75) Fluoranthene            | 19.039 | 202  | 106327   | 2.31  | ng    | 98       |
| 78) Pyrene                  | 19.386 | 202  | 105230   | 2.82  | ng    | 98       |
| 88) Benzo(b)fluoranthene    | 22.657 | 252  | 102765m  | 2.43  | ng    |          |
| -----                       |        |      |          |       |       |          |

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

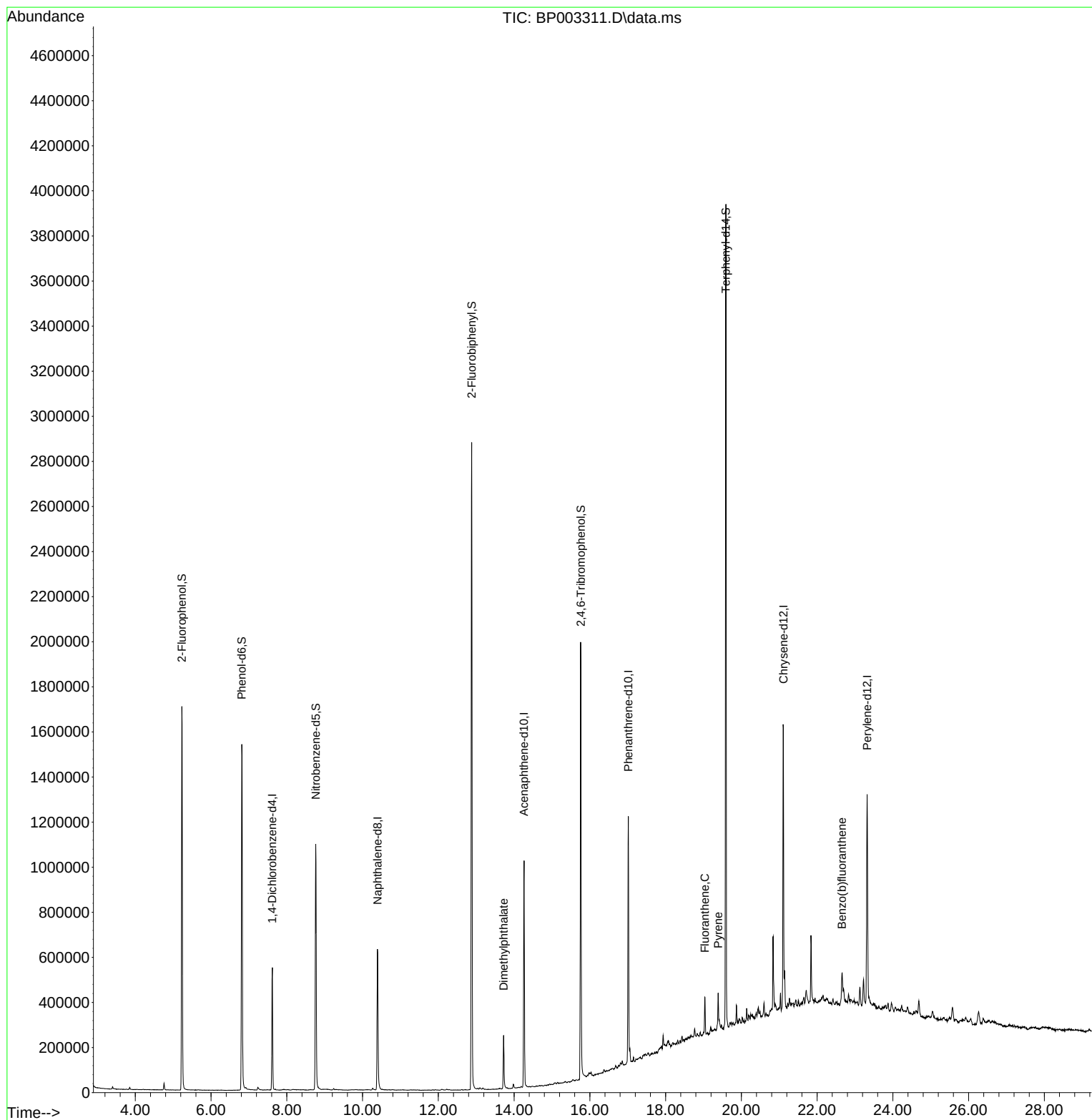
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP091620\  
Data File : BP003311.D  
Acq On : 16 Sep 2020 20:25  
Operator : CG/JU  
Sample : L4015-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

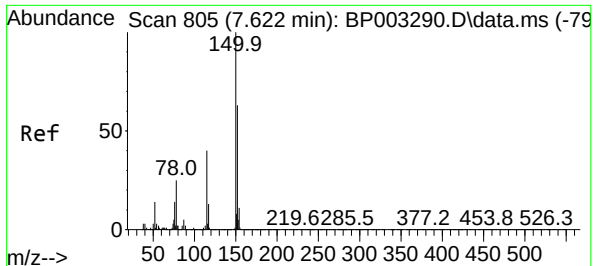
Instrument :  
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REACTOR-6E-(A-D-0-4)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP091520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 16 13:18:39 2020  
Response via : Initial Calibration





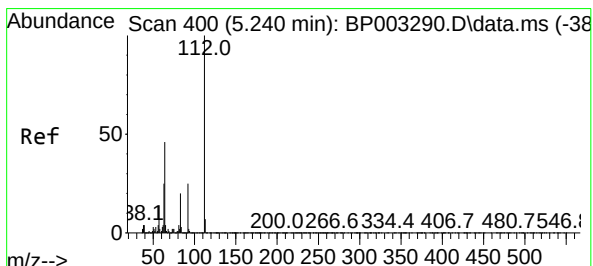
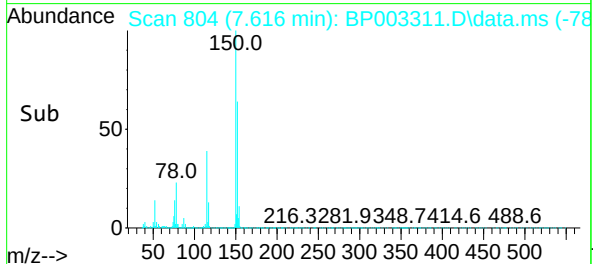
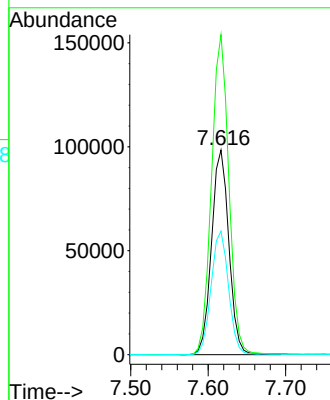
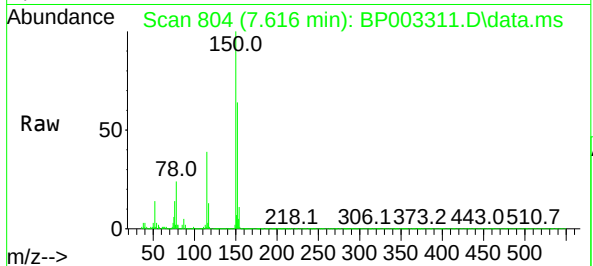
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.616 min Scan# 804  
Delta R.T. 0.000 min  
Lab File: BP003311.D  
Acq: 16 Sep 2020 20:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.4 | 123.8 | 185.6 |
| 115     | 60.4  | 43.8  | 65.6  |

Instrument :  
BNA\_P  
ClientSampleId :  
REACTOR-6E-(A-D-0-4)

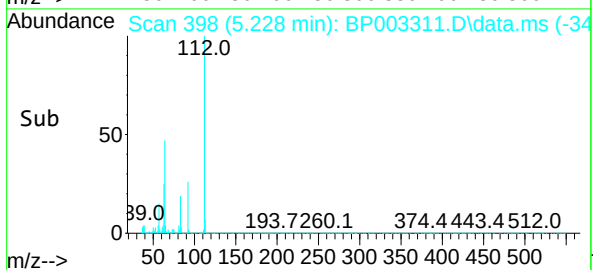
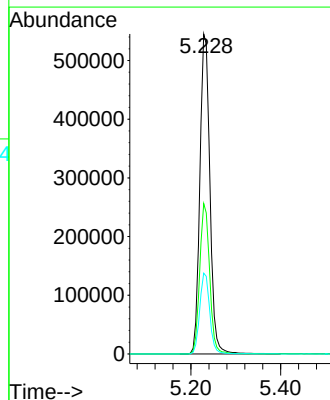
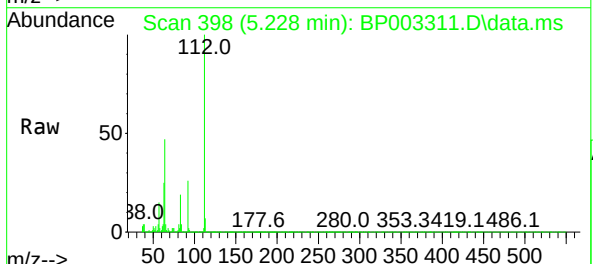
Manual Integrations  
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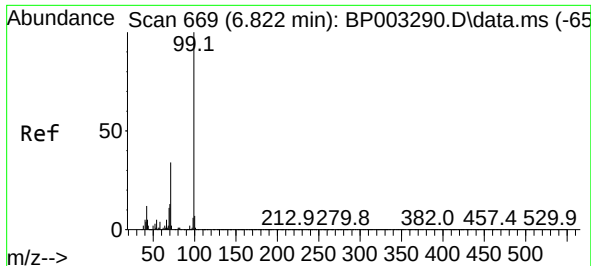
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#5  
2-Fluorophenol  
Concen: 96.52 ng  
RT: 5.228 min Scan# 398  
Delta R.T. 0.000 min  
Lab File: BP003311.D  
Acq: 16 Sep 2020 20:25

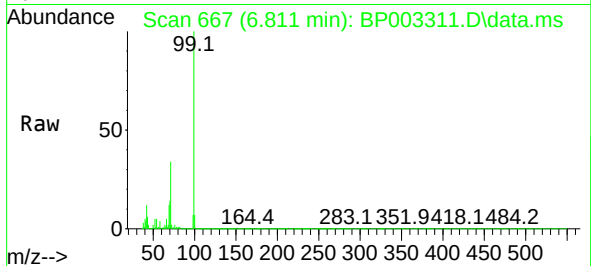
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 47.0  | 32.8  | 49.2  |
| 63      | 25.2  | 17.0  | 25.4  |





#7  
Phenol-d6  
Concen: 90.33 ng  
RT: 6.811 min Scan# 667  
Delta R.T. 0.000 min  
Lab File: BP003311.D  
Acq: 16 Sep 2020 20:25

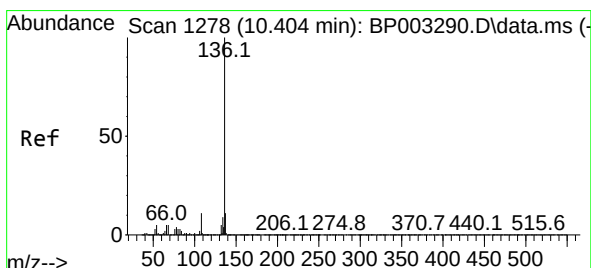
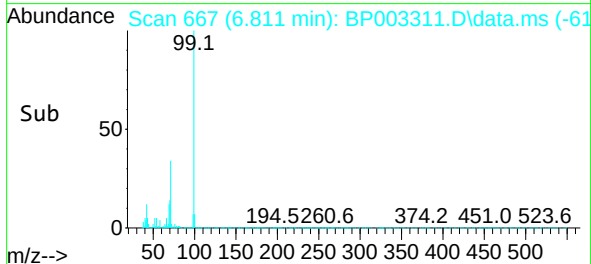
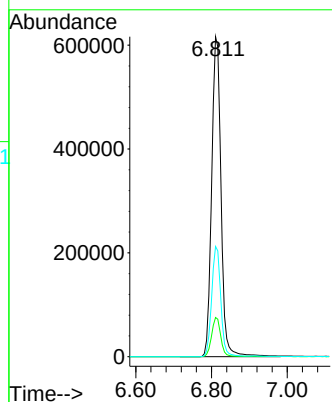
Instrument :  
BNA\_P  
ClientSampleId :  
REACTOR-6E-(A-D-0-4)



Tgt Ion: 99 Resp: 1055164  
Ion Ratio Lower Upper  
99 100  
42 12.2 8.6 13.0  
71 34.5 23.4 35.2

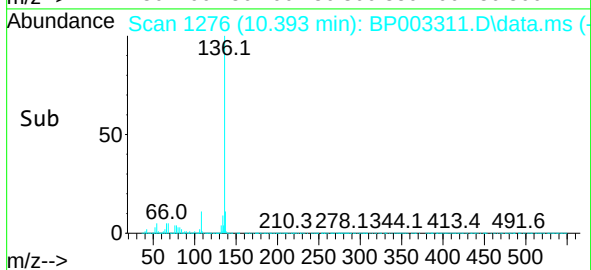
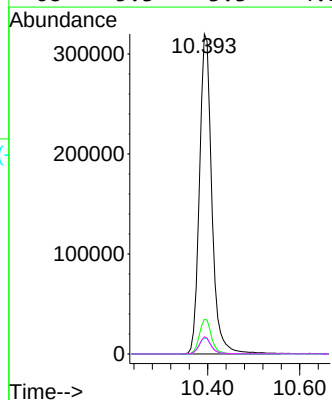
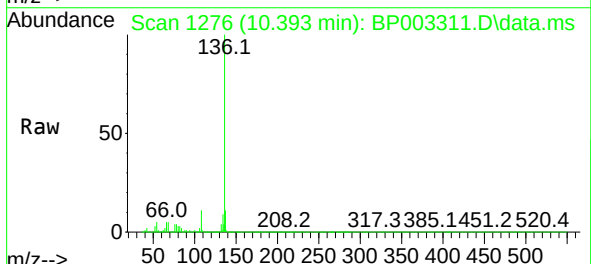
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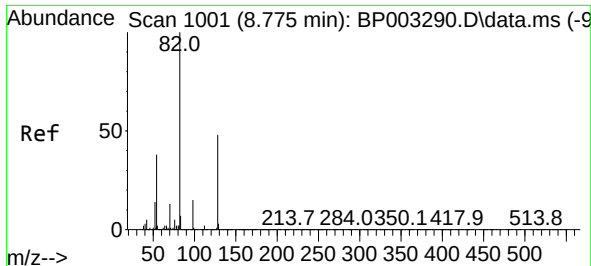
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#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.393 min Scan# 1276  
Delta R.T. -0.006 min  
Lab File: BP003311.D  
Acq: 16 Sep 2020 20:25

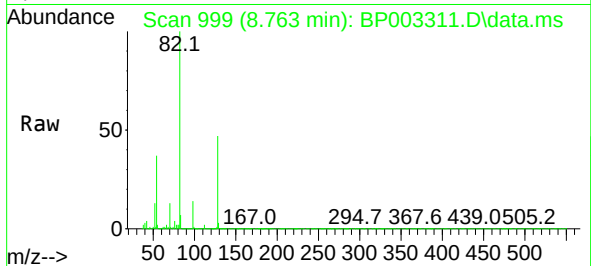
Tgt Ion: 136 Resp: 597363  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.6 13.0  
54 4.9 3.6 5.4  
68 5.3 3.3 4.9#





#23  
Nitrobenzene-d5  
Concen: 68.97 ng  
RT: 8.763 min Scan# 999  
Delta R.T. -0.006 min  
Lab File: BP003311.D  
Acq: 16 Sep 2020 20:25

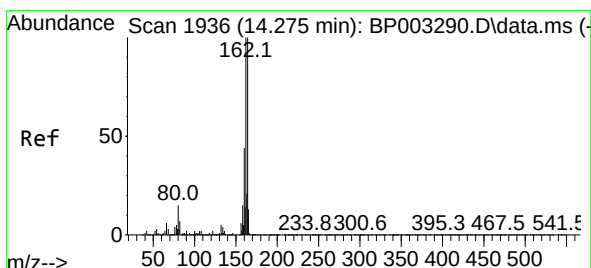
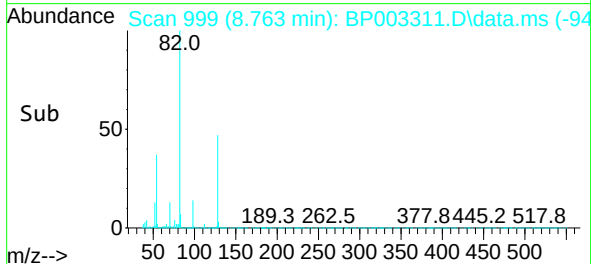
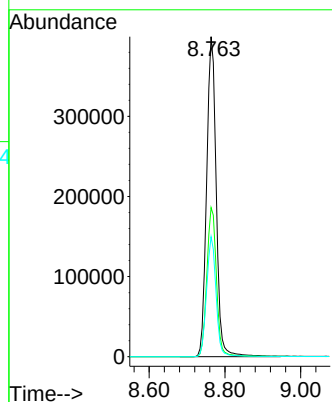
Instrument :  
BNA\_P  
ClientSampleId :  
REACTOR-6E-(A-D-0-4)



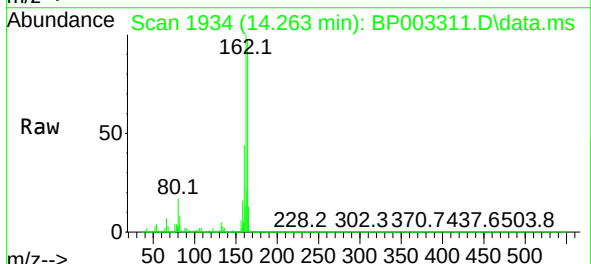
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 46.6  | 45.6  | 68.4  |
| 54      | 37.5  | 30.1  | 45.1  |

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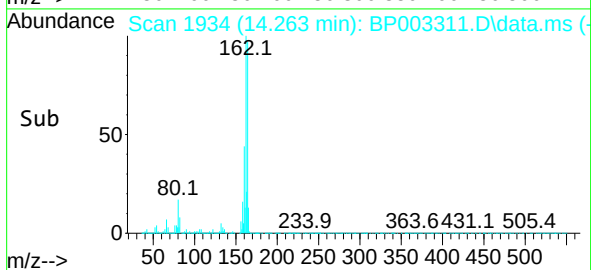
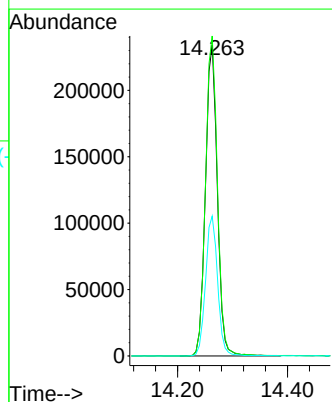
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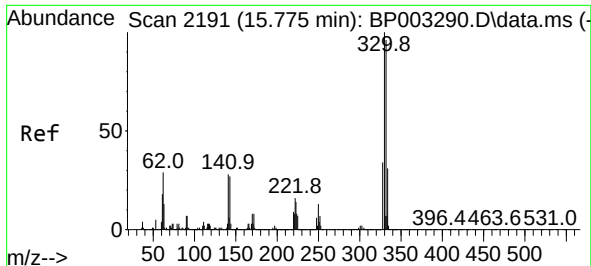


#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.263 min Scan# 1934  
Delta R.T. 0.000 min  
Lab File: BP003311.D  
Acq: 16 Sep 2020 20:25



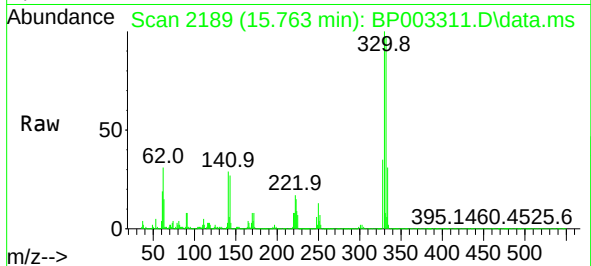
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.9 | 79.4  | 119.2 |
| 160     | 45.0  | 36.1  | 54.1  |





#42  
2,4,6-Tribromophenol  
Concen: 79.72 ng  
RT: 15.763 min Scan# 2189  
Delta R.T. 0.000 min  
Lab File: BP003311.D  
Acq: 16 Sep 2020 20:25

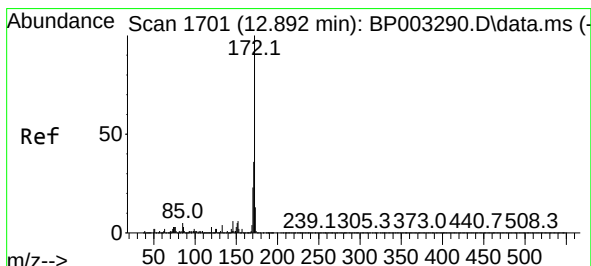
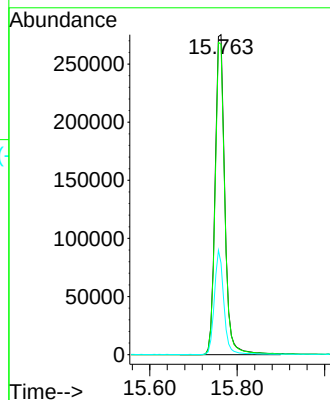
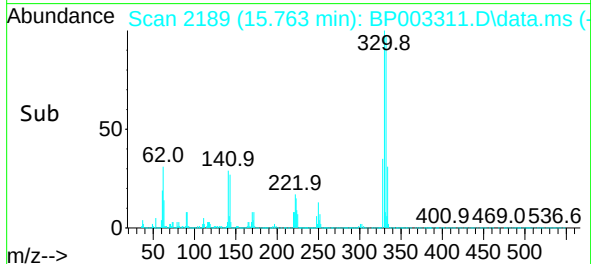
Instrument :  
BNA\_P  
ClientSampleId :  
REACTOR-6E-(A-D-0-4)



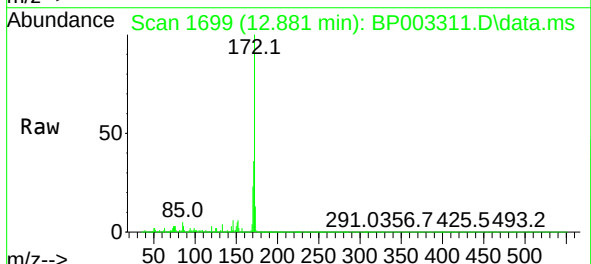
Tgt Ion: 330 Resp: 426843  
Ion Ratio Lower Upper  
330 100  
332 97.1 77.1 115.7  
141 31.8 23.4 35.2

Manual Integrations  
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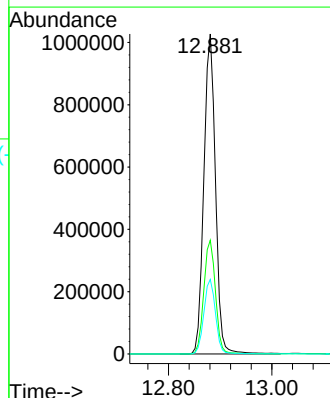
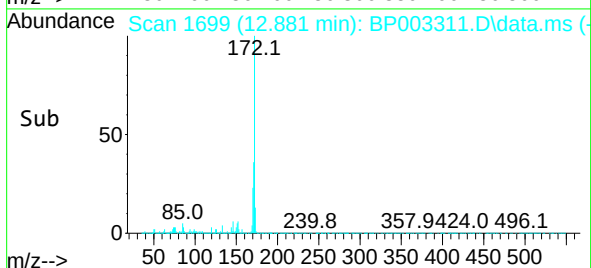
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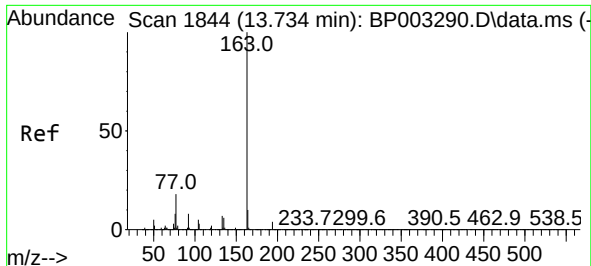


#45  
2-Fluorobiphenyl  
Concen: 66.80 ng  
RT: 12.881 min Scan# 1699  
Delta R.T. 0.000 min  
Lab File: BP003311.D  
Acq: 16 Sep 2020 20:25



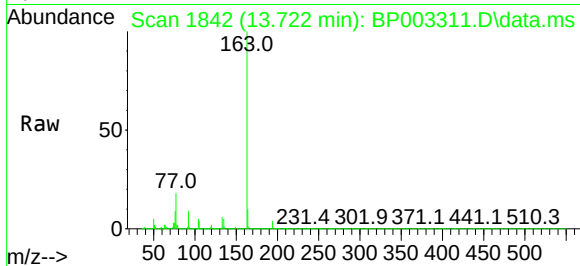
Tgt Ion: 172 Resp: 1603432  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.5 42.7  
170 23.3 19.2 28.8





#50  
Dimethylphthalate  
Concen: 6.51 ng  
RT: 13.722 min Scan# 1842  
Delta R.T. -0.006 min  
Lab File: BP003311.D  
Acq: 16 Sep 2020 20:25

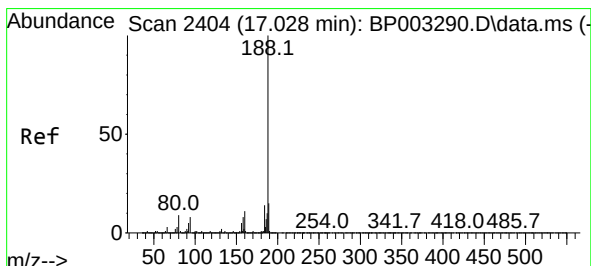
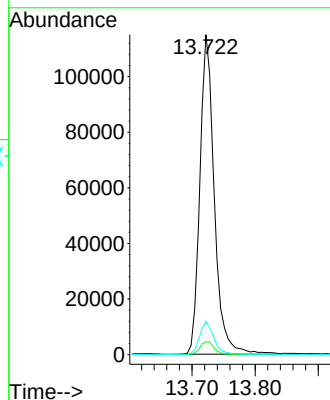
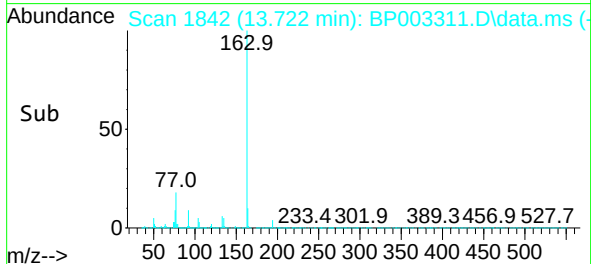
Instrument :  
BNA\_P  
ClientSampleId :  
REACTOR-6E-(A-D-0-4)



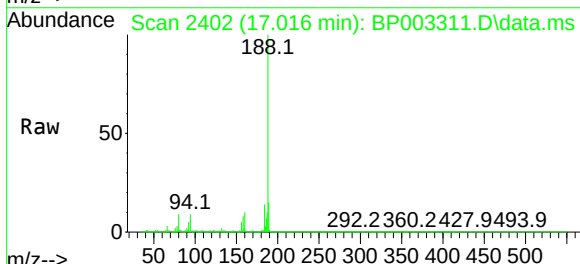
Tgt Ion:163 Resp: 182451  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.3 4.9  
164 10.4 8.2 12.2

Manual Integrations  
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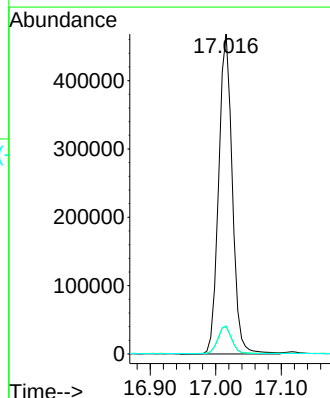
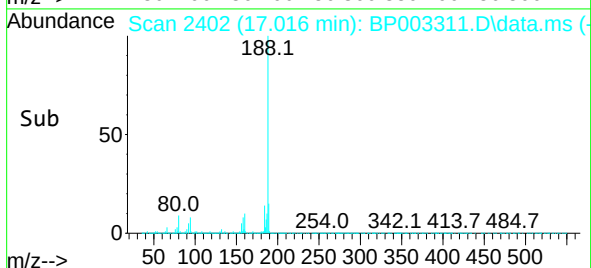
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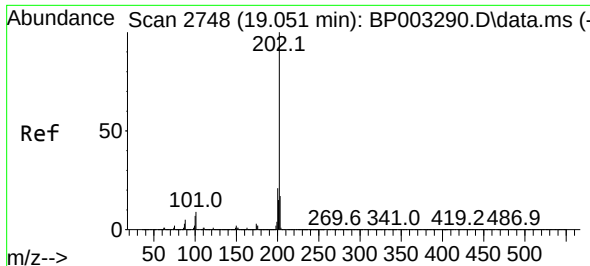


#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.016 min Scan# 2402  
Delta R.T. 0.000 min  
Lab File: BP003311.D  
Acq: 16 Sep 2020 20:25



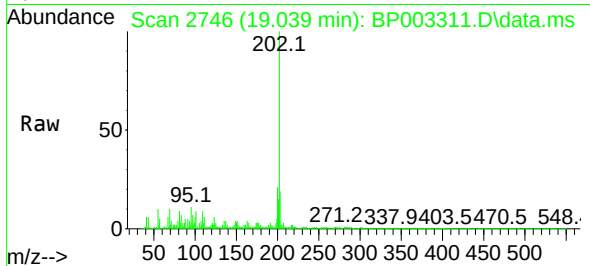
Tgt Ion:188 Resp: 671990  
Ion Ratio Lower Upper  
188 100  
94 8.6 6.2 9.2  
80 8.8 6.2 9.2





#75  
Fluoranthene  
Concen: 2.31 ng  
RT: 19.039 min Scan# 2746  
Delta R.T. 0.000 min  
Lab File: BP003311.D  
Acq: 16 Sep 2020 20:25

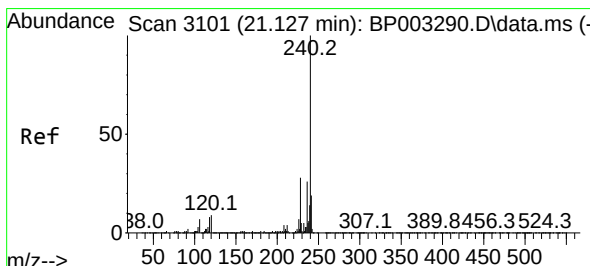
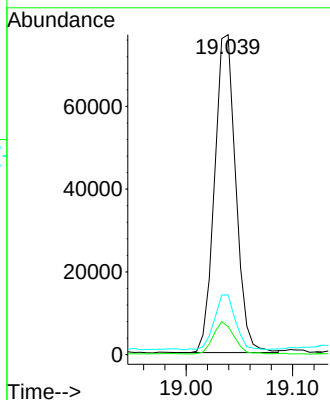
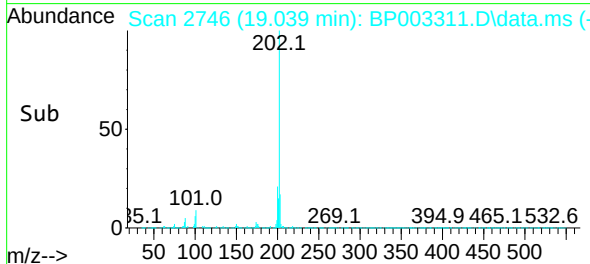
Instrument :  
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ClientSampleId :  
REACTOR-6E-(A-D-0-4)



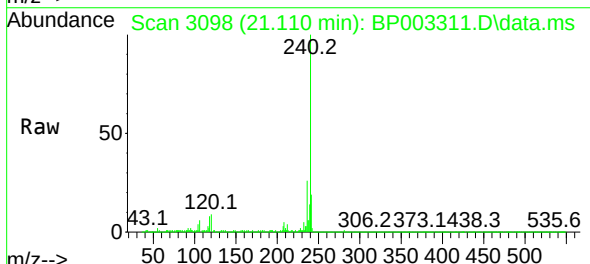
Tgt Ion:202 Resp: 106327  
Ion Ratio Lower Upper  
202 100  
101 8.8 0.0 29.4  
203 18.7 0.0 37.8

Manual Integrations  
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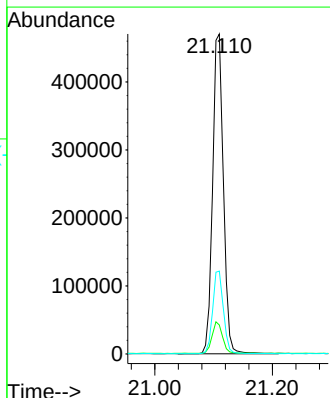
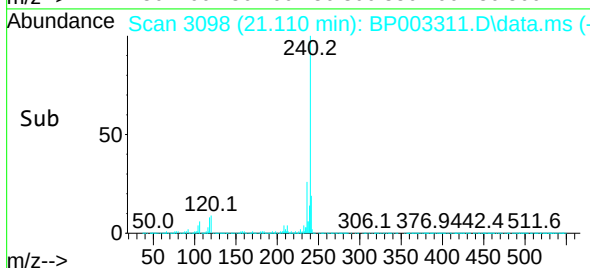
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9/18/2020 11:28:47 AM



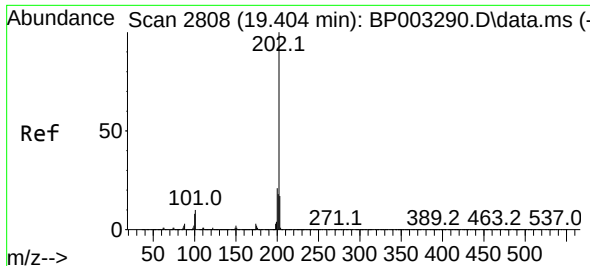
#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.110 min Scan# 3098  
Delta R.T. 0.000 min  
Lab File: BP003311.D  
Acq: 16 Sep 2020 20:25



Tgt Ion:240 Resp: 597694  
Ion Ratio Lower Upper  
240 100  
120 9.1 7.8 11.6  
236 25.9 20.8 31.2

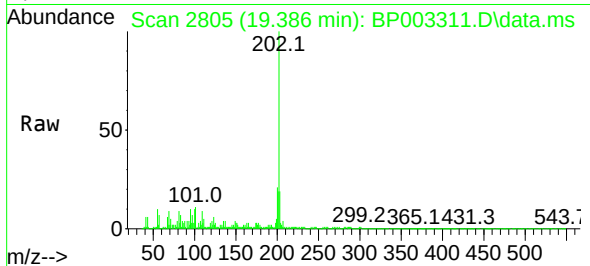






#78  
Pyrene  
Concen: 2.82 ng  
RT: 19.386 min Scan# 2805  
Delta R.T. -0.006 min  
Lab File: BP003311.D  
Acq: 16 Sep 2020 20:25

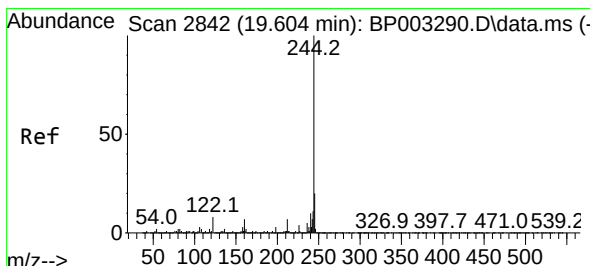
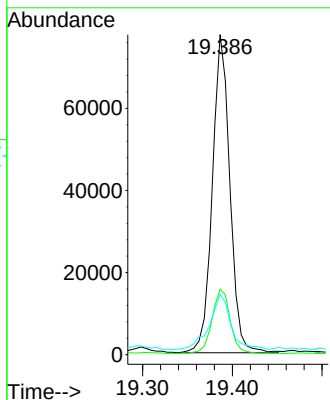
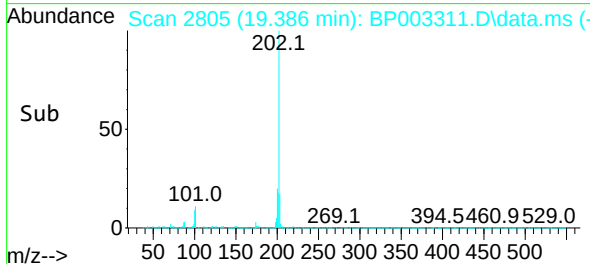
Instrument :  
BNA\_P  
ClientSampleId :  
REACTOR-6E-(A-D-0-4)



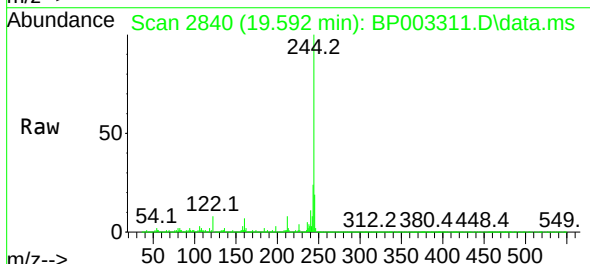
Tgt Ion:202 Resp: 105230  
Ion Ratio Lower Upper  
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200 20.5 17.1 25.7  
203 18.8 14.2 21.2

Manual Integrations  
APPROVED

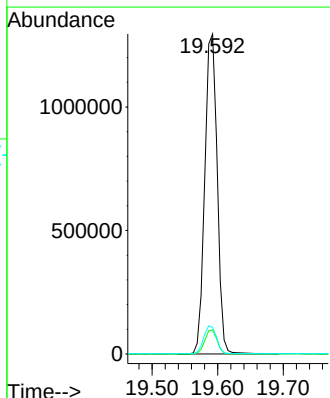
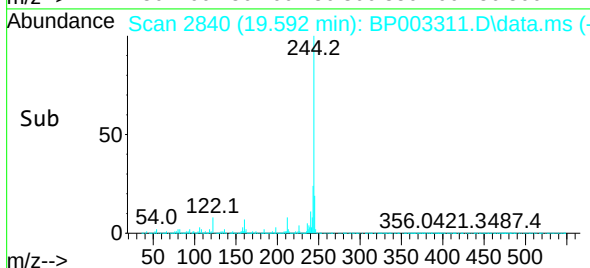
mohammad  
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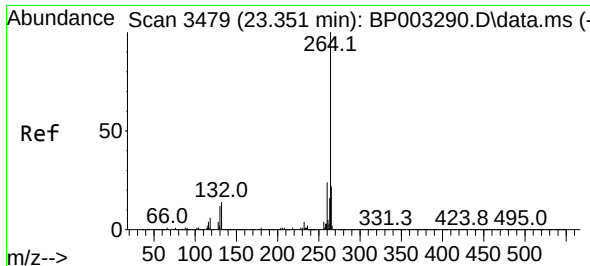


#79  
Terphenyl-d14  
Concen: 59.63 ng  
RT: 19.592 min Scan# 2840  
Delta R.T. 0.000 min  
Lab File: BP003311.D  
Acq: 16 Sep 2020 20:25



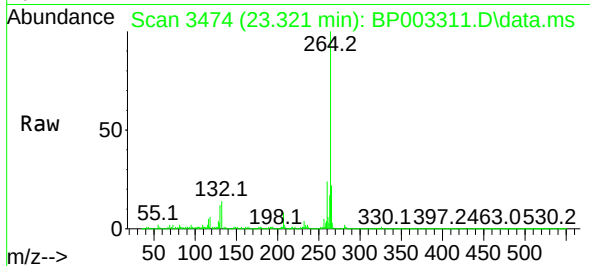
Tgt Ion:244 Resp: 1710433  
Ion Ratio Lower Upper  
244 100  
212 7.5 5.8 8.6  
122 8.3 7.8 11.8





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 23.321 min Scan# 3474  
Delta R.T. -0.006 min  
Lab File: BP003311.D  
Acq: 16 Sep 2020 20:25

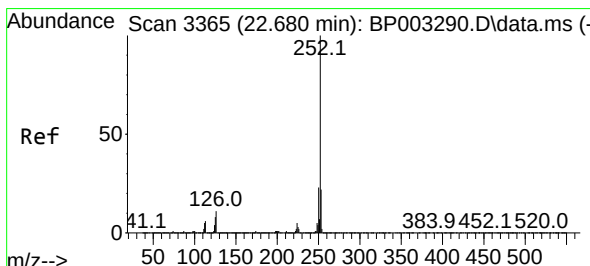
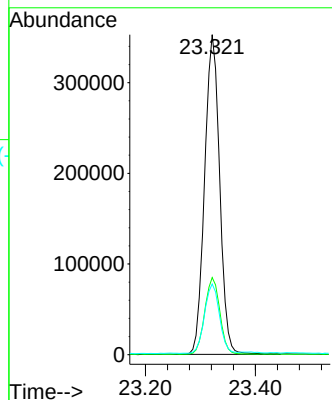
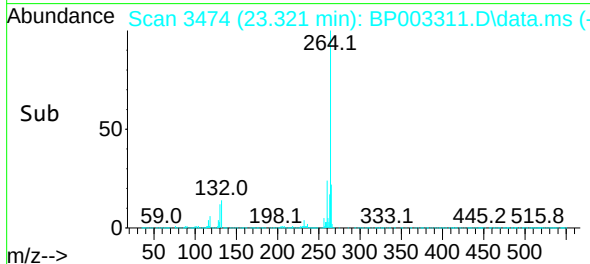
Instrument :  
BNA\_P  
ClientSampleId :  
REACTOR-6E-(A-D-0-4)



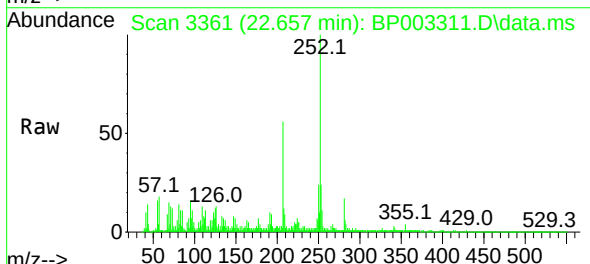
Tgt Ion:264 Resp: 668836  
Ion Ratio Lower Upper  
264 100  
260 24.1 18.8 28.2  
265 22.1 17.4 26.2

Manual Integrations  
APPROVED

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#88  
Benzo(b)fluoranthene  
Concen: 2.43 ng m  
RT: 22.657 min Scan# 3361  
Delta R.T. -0.006 min  
Lab File: BP003311.D  
Acq: 16 Sep 2020 20:25



Tgt Ion:252 Resp: 102765  
Ion Ratio Lower Upper  
252 100  
253 24.1 17.6 26.4  
125 12.4 7.3 10.9#

