

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP091620\  
 Data File : BP003306.D  
 Acq On : 16 Sep 2020 17:35  
 Operator : CG/JU  
 Sample : L4018-04  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 VNJ-229

Manual Integrations  
 APPROVED

mohammad  
 9/18/2020 11:28:36 AM

Quant Time: Sep 16 18:15:24 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     | 7.617  | 152  | 115816   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.393 | 136  | 427743   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.263 | 164  | 236031   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.016 | 188  | 430394   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.110 | 240  | 404368   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12              | 23.322 | 264  | 545480   | 20.00 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.228  | 112  | 651069   | 98.16 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.811  | 99   | 788472   | 89.19 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.764  | 82   | 515048   | 70.74 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.757 | 330  | 279122   | 77.53 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.881 | 172  | 1010016  | 62.58 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.586 | 244  | 1044675  | 53.83 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 50) Dimethylphthalate         | 13.722 | 163  | 120076   | 6.37  | ng    | 99       |
| 52) Acenaphthene              | 14.322 | 154  | 302661   | 22.33 | ng    | 99       |
| 55) Dibenzofuran              | 14.663 | 168  | 293912   | 13.58 | ng    | 96       |
| 58) Fluorene                  | 15.316 | 166  | 516216   | 30.21 | ng    | 99       |
| 71) Phenanthrene              | 17.057 | 178  | 2224483  | 95.00 | ng    | 100      |
| 72) Anthracene                | 17.145 | 178  | 193717   | 8.39  | ng    | 98       |
| 75) Fluoranthene              | 19.039 | 202  | 1673238  | 56.83 | ng    | 99       |
| 78) Pyrene                    | 19.386 | 202  | 1048790  | 41.59 | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.092 | 228  | 317127   | 12.13 | ng    | 99       |
| 83) Chrysene                  | 21.145 | 228  | 293735   | 11.70 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.033 | 149  | 43114    | 2.65  | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 22.657 | 252  | 267695   | 7.77  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 22.698 | 252  | 83601m   | 2.53  | ng    |          |
| 90) Benzo(a)pyrene            | 23.222 | 252  | 132799   | 4.09  | ng    | 99       |
| -----                         |        |      |          |       |       |          |

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

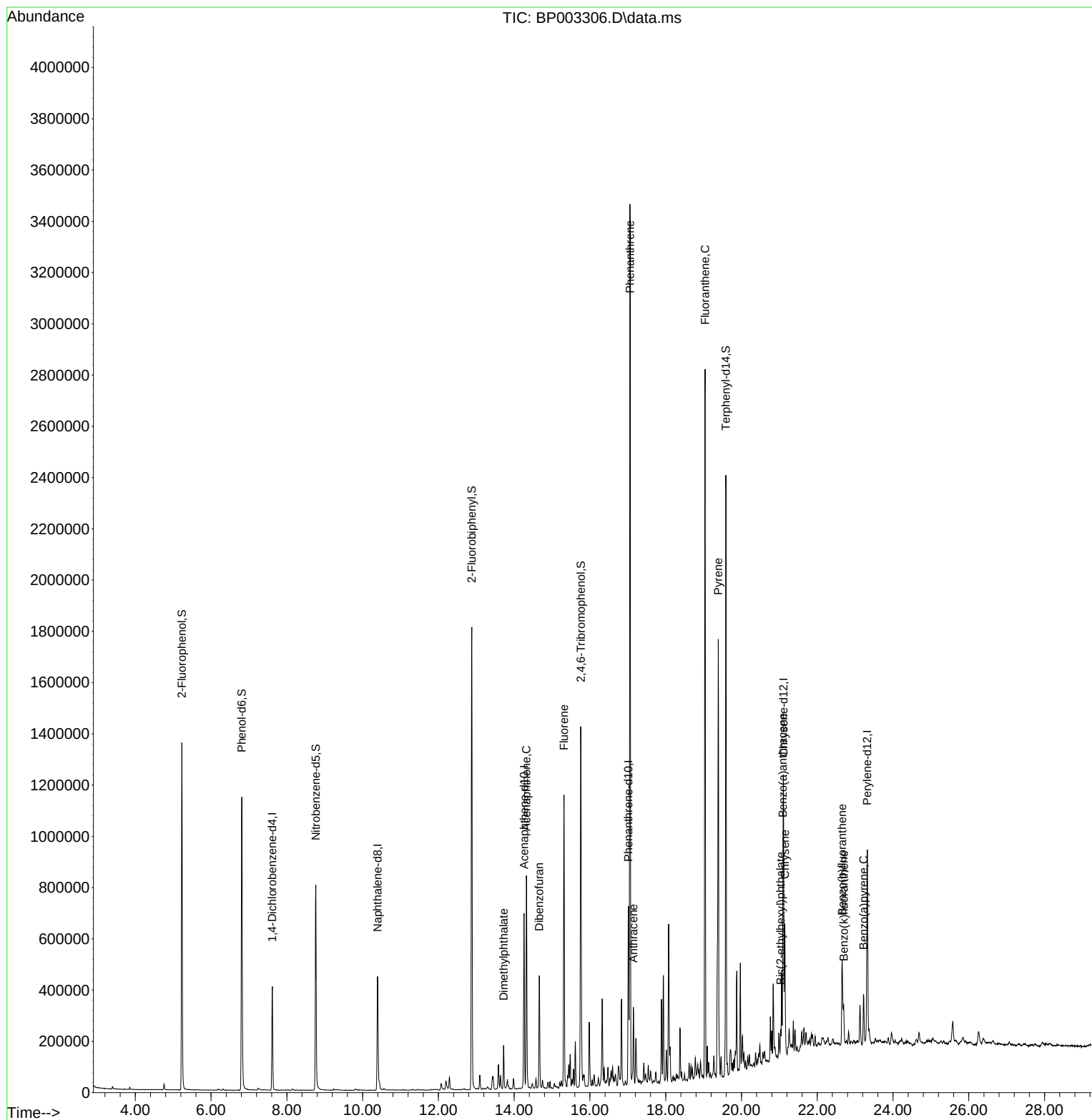
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP091620\  
Data File : BP003306.D  
Acq On : 16 Sep 2020 17:35  
Operator : CG/JU  
Sample : L4018-04  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

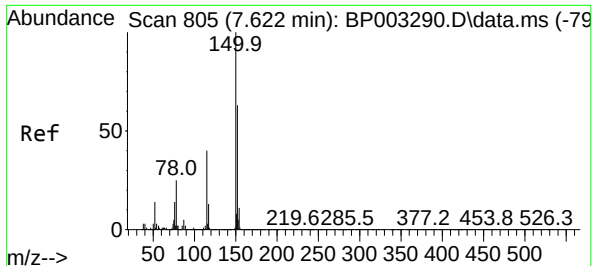
Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-229

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Quant Time: Sep 16 18:15:24 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





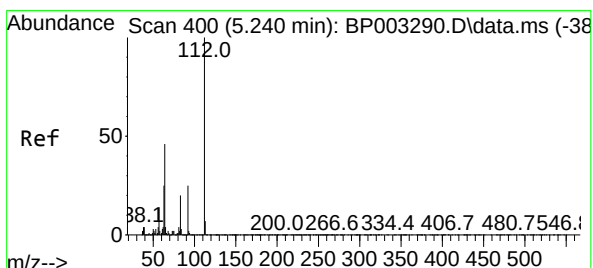
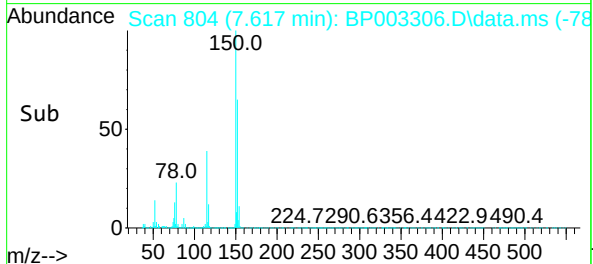
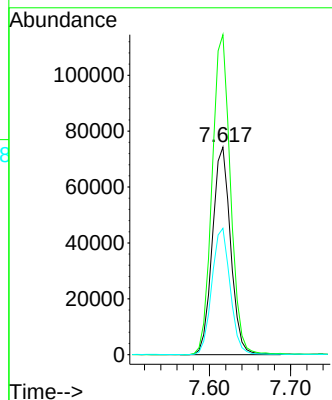
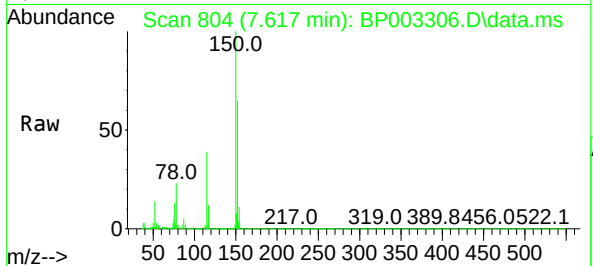
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.617 min Scan# 804  
Delta R.T. 0.001 min  
Lab File: BP003306.D  
Acq: 16 Sep 2020 17:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.2 | 123.8 | 185.6 |
| 115     | 60.9  | 43.8  | 65.6  |

Instrument :  
BNA\_P  
ClientSampleId :  
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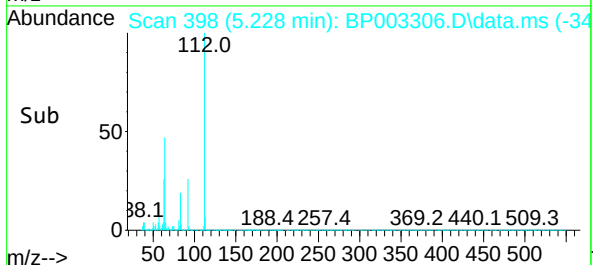
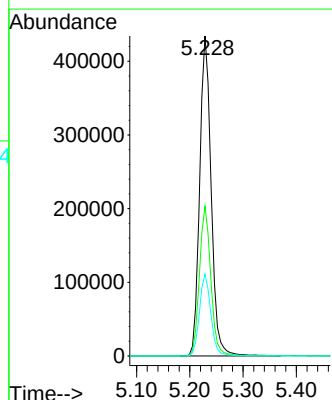
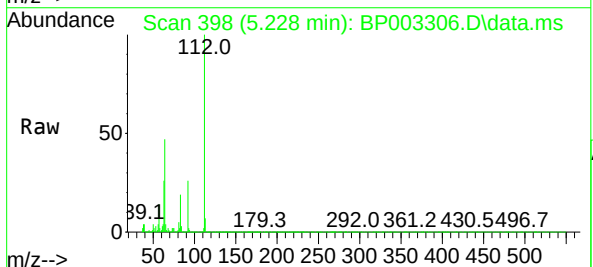
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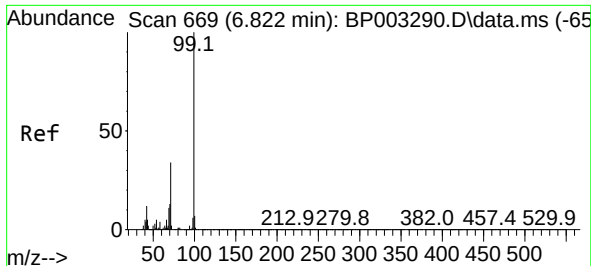
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#5  
2-Fluorophenol  
Concen: 98.16 ng  
RT: 5.228 min Scan# 398  
Delta R.T. 0.000 min  
Lab File: BP003306.D  
Acq: 16 Sep 2020 17:35

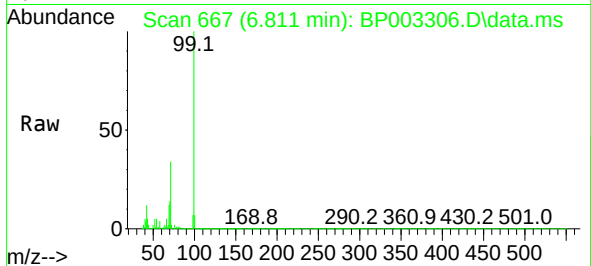
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 46.8  | 32.8  | 49.2  |
| 63      | 25.6  | 17.0  | 25.4  |





#7  
Phenol-d6  
Concen: 89.19 ng  
RT: 6.811 min Scan# 667  
Delta R.T. 0.000 min  
Lab File: BP003306.D  
Acq: 16 Sep 2020 17:35

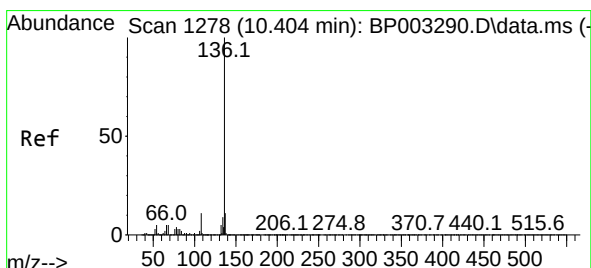
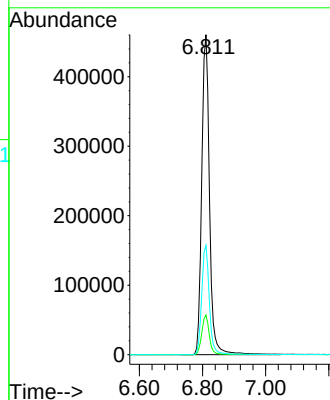
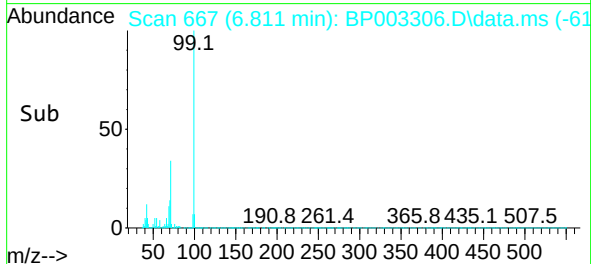
Instrument :  
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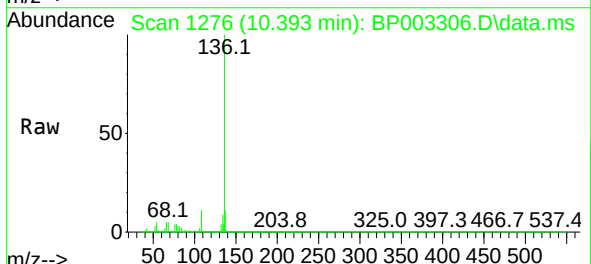
Tgt Ion: 99 Resp: 788472  
Ion Ratio Lower Upper  
99 100  
42 12.4 8.6 13.0  
71 34.1 23.4 35.2

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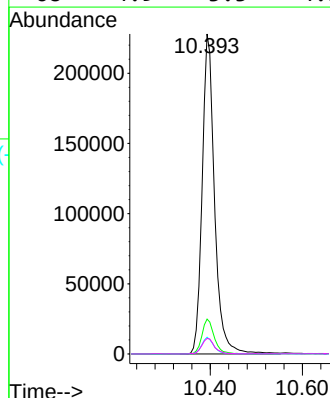
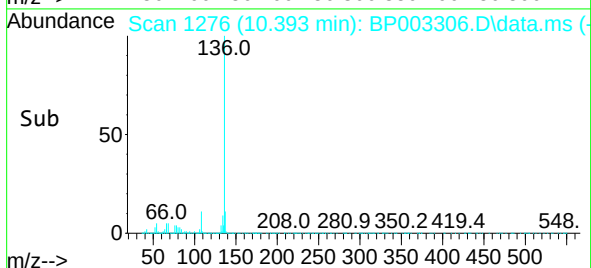
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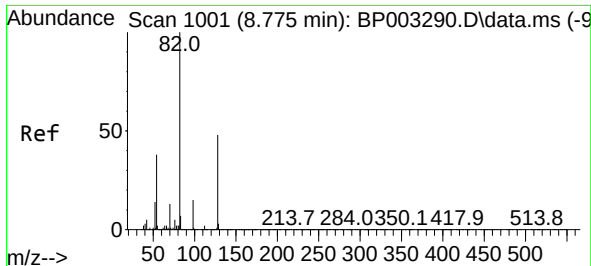


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.393 min Scan# 1276  
Delta R.T. -0.006 min  
Lab File: BP003306.D  
Acq: 16 Sep 2020 17:35



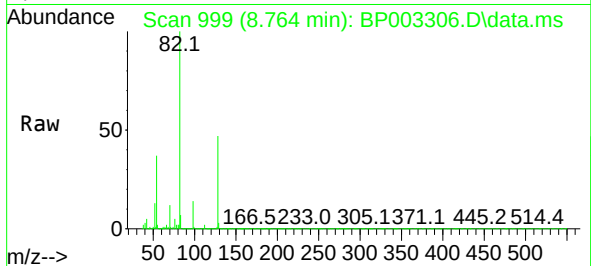
Tgt Ion: 136 Resp: 427743  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 13.0  
54 5.3 3.6 5.4  
68 4.9 3.3 4.9





#23  
Nitrobenzene-d5  
Concen: 70.74 ng  
RT: 8.764 min Scan# 999  
Delta R.T. -0.006 min  
Lab File: BP003306.D  
Acq: 16 Sep 2020 17:35

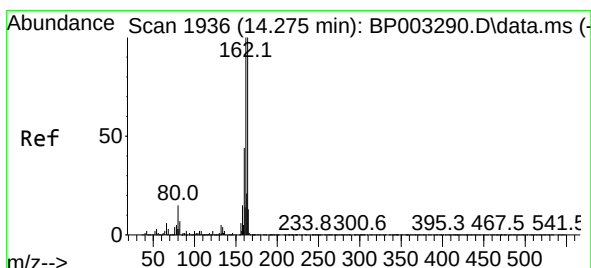
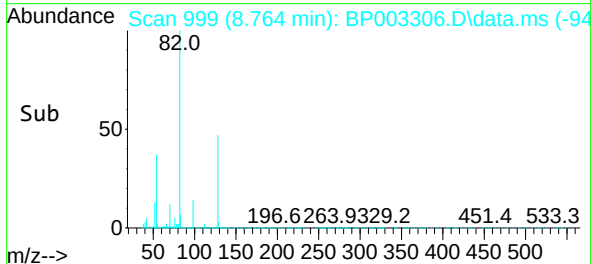
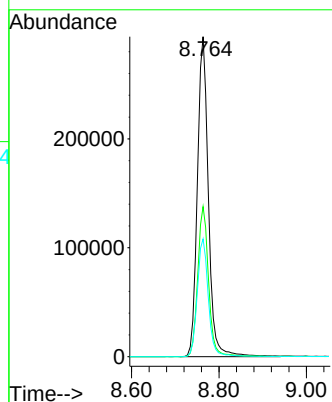
Instrument :  
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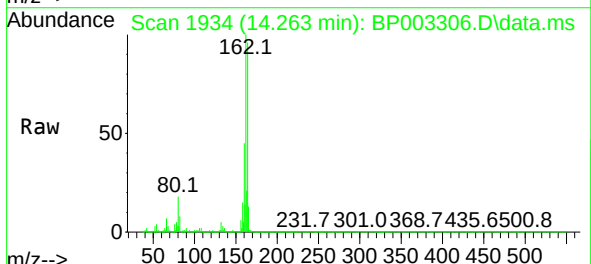
Tgt Ion: 82 Resp: 515048  
Ion Ratio Lower Upper  
82 100  
128 46.9 45.6 68.4  
54 36.8 30.1 45.1

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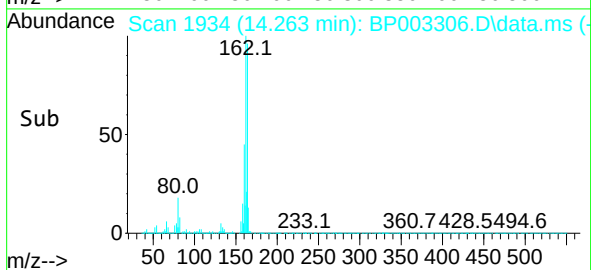
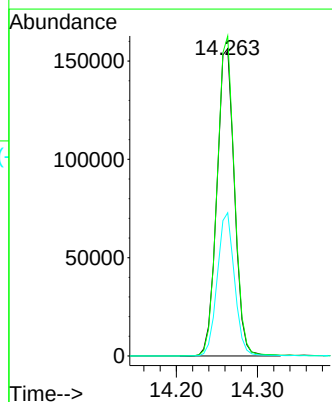
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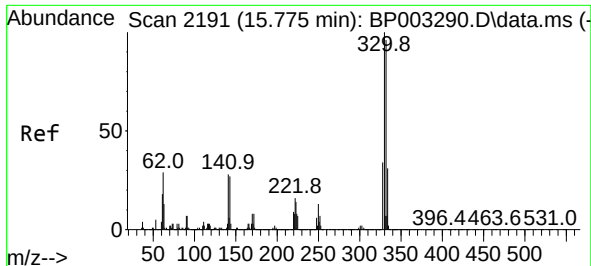


#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.263 min Scan# 1934  
Delta R.T. 0.000 min  
Lab File: BP003306.D  
Acq: 16 Sep 2020 17:35



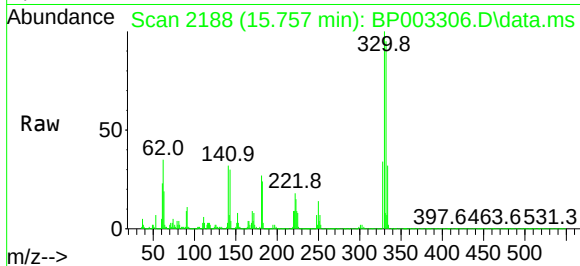
Tgt Ion: 164 Resp: 236031  
Ion Ratio Lower Upper  
164 100  
162 104.1 79.4 119.2  
160 46.6 36.1 54.1





#42  
2,4,6-Tribromophenol  
Concen: 77.53 ng  
RT: 15.757 min Scan# 2188  
Delta R.T. -0.006 min  
Lab File: BP003306.D  
Acq: 16 Sep 2020 17:35

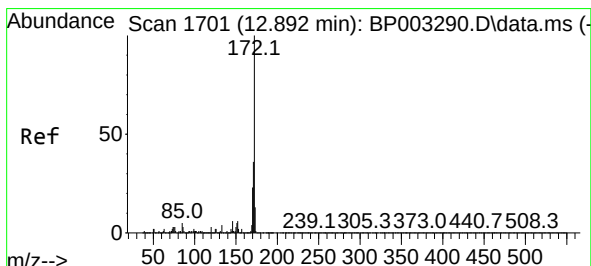
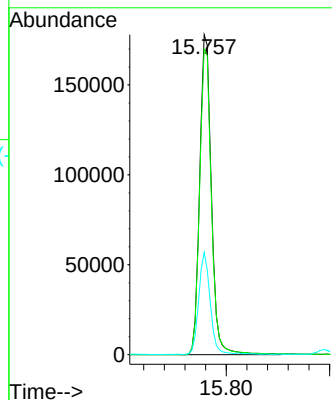
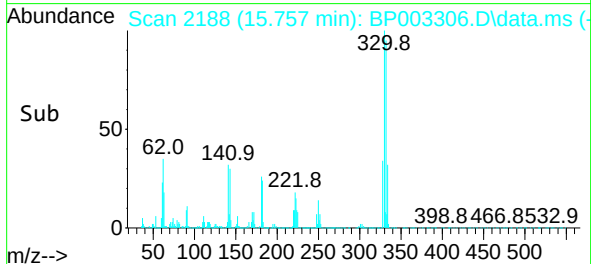
Instrument :  
BNA\_P  
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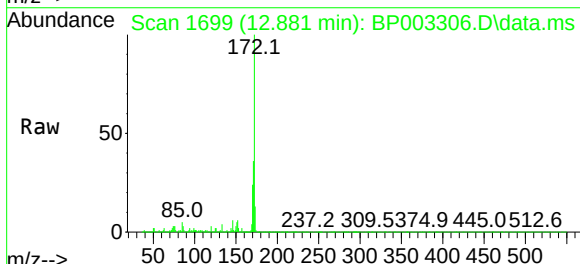
Tgt Ion:330 Resp: 279122  
Ion Ratio Lower Upper  
330 100  
332 96.3 77.1 115.7  
141 31.1 23.4 35.2

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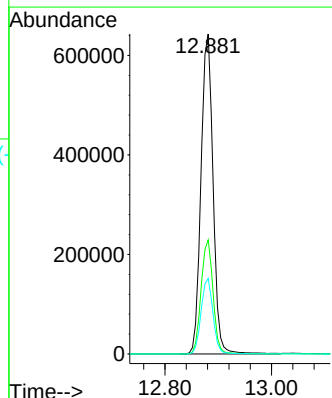
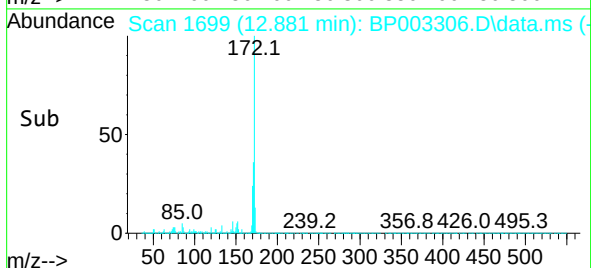
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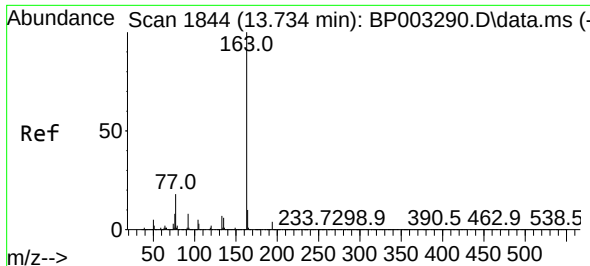


#45  
2-Fluorobiphenyl  
Concen: 62.58 ng  
RT: 12.881 min Scan# 1699  
Delta R.T. 0.000 min  
Lab File: BP003306.D  
Acq: 16 Sep 2020 17:35



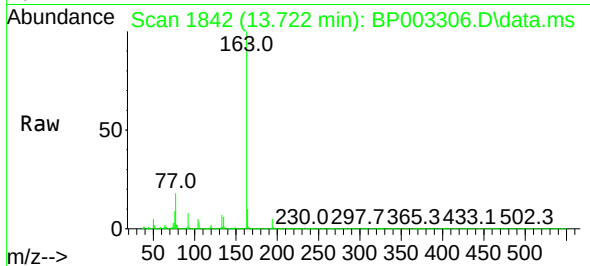
Tgt Ion:172 Resp: 1010016  
Ion Ratio Lower Upper  
172 100  
171 35.7 28.5 42.7  
170 23.6 19.2 28.8





#50  
Dimethylphthalate  
Concen: 6.37 ng  
RT: 13.722 min Scan# 1842  
Delta R.T. -0.006 min  
Lab File: BP003306.D  
Acq: 16 Sep 2020 17:35

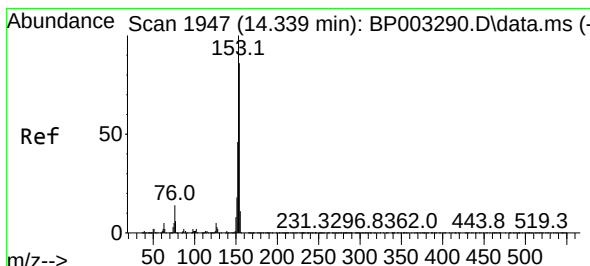
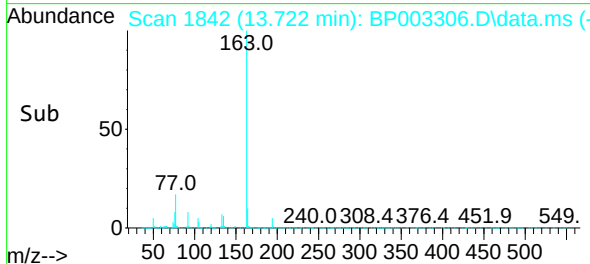
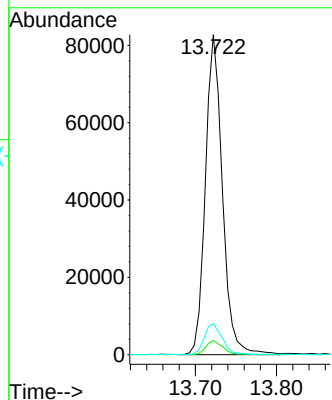
Instrument :  
BNA\_P  
ClientSampled :  
VNJ-229



Tgt Ion:163 Resp: 120076  
Ion Ratio Lower Upper  
163 100  
194 4.5 3.3 4.9  
164 9.7 8.2 12.2

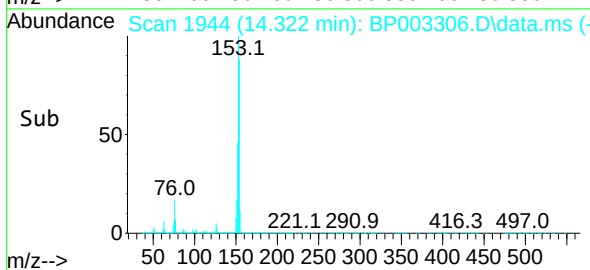
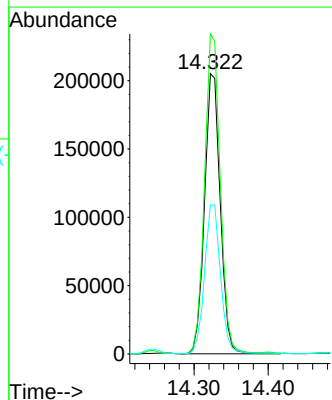
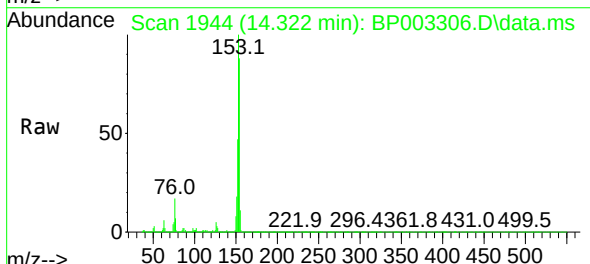
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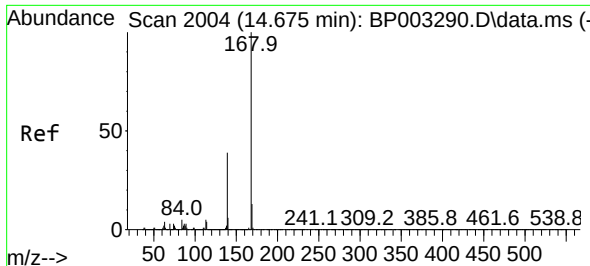
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#52  
Acenaphthene  
Concen: 22.33 ng  
RT: 14.322 min Scan# 1944  
Delta R.T. -0.006 min  
Lab File: BP003306.D  
Acq: 16 Sep 2020 17:35

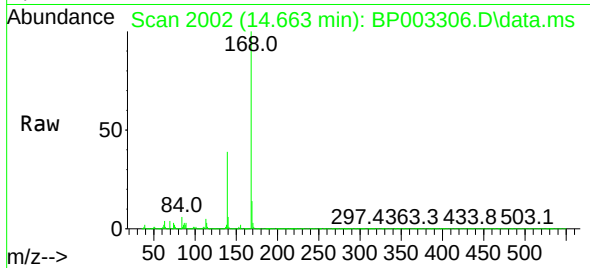
Tgt Ion:154 Resp: 302661  
Ion Ratio Lower Upper  
154 100  
153 114.2 91.0 136.6  
152 53.1 43.0 64.6





#55  
Dibenzenofuran  
Concen: 13.58 ng  
RT: 14.663 min Scan# 2002  
Delta R.T. -0.006 min  
Lab File: BP003306.D  
Acq: 16 Sep 2020 17:35

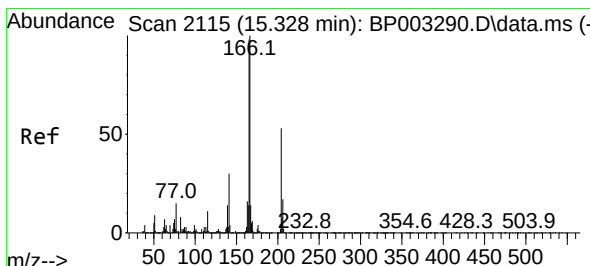
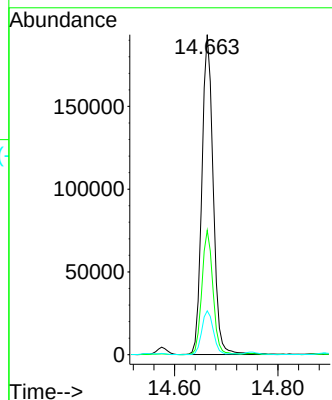
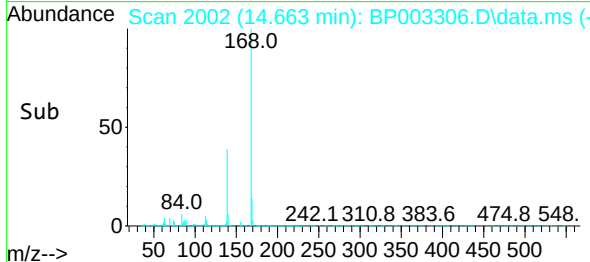
Instrument :  
BNA\_P  
ClientSampled :  
VNJ-229



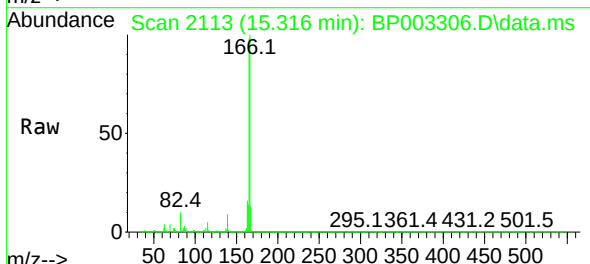
Tgt Ion:168 Resp: 293912  
Ion Ratio Lower Upper  
168 100  
139 38.9 29.1 43.7  
169 13.7 10.4 15.6

Manual Integrations  
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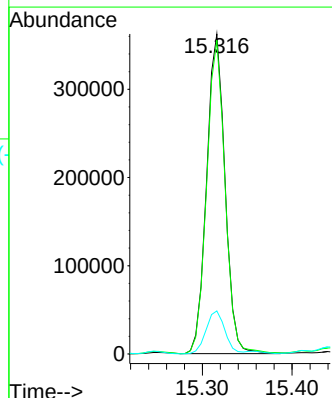
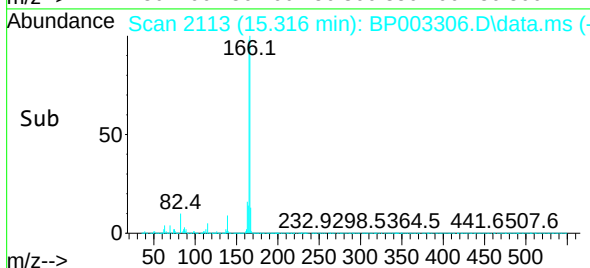
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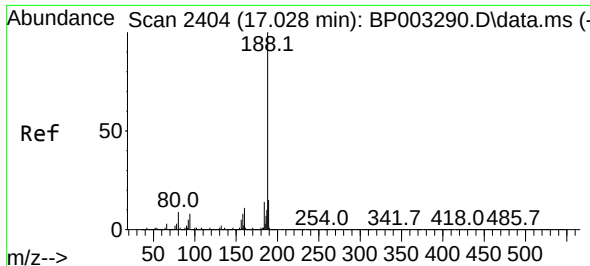
#58  
Fluorene  
Concen: 30.21 ng  
RT: 15.316 min Scan# 2113  
Delta R.T. 0.000 min  
Lab File: BP003306.D  
Acq: 16 Sep 2020 17:35



Tgt Ion:166 Resp: 516216  
Ion Ratio Lower Upper  
166 100  
165 98.0 77.8 116.8  
167 13.5 11.0 16.4







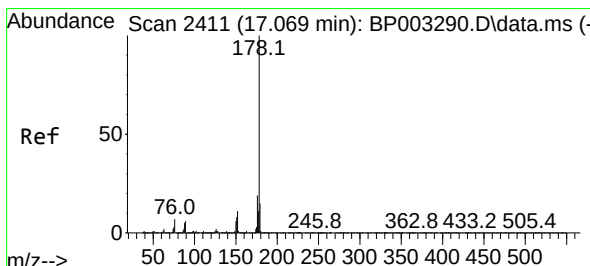
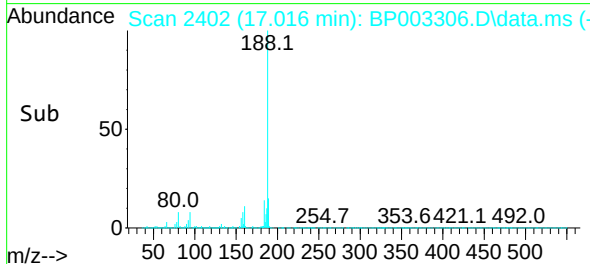
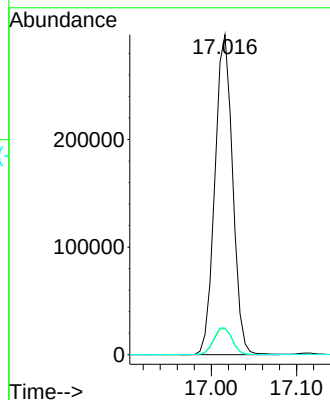
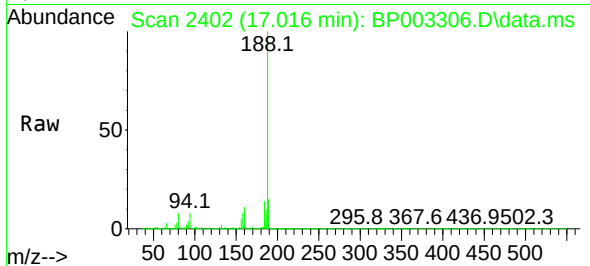
#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.016 min Scan# 2402  
Delta R.T. 0.000 min  
Lab File: BP003306.D  
Acq: 16 Sep 2020 17:35

Tgt Ion:188 Resp: 430394  
Ion Ratio Lower Upper  
188 100  
94 8.2 6.2 9.2  
80 8.3 6.2 9.2

Instrument :  
BNA\_P  
ClientSampled :  
VNJ-229

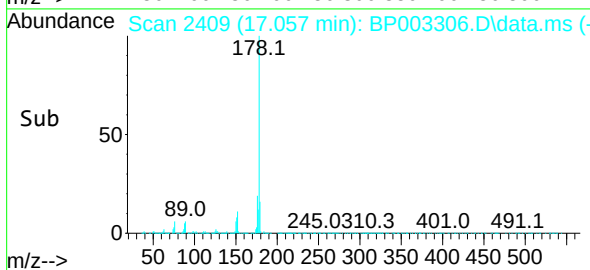
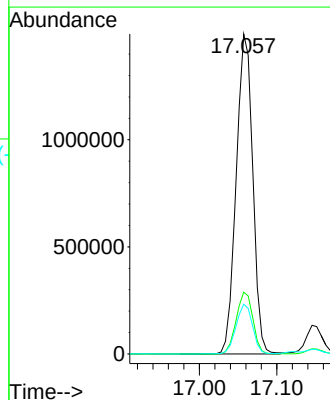
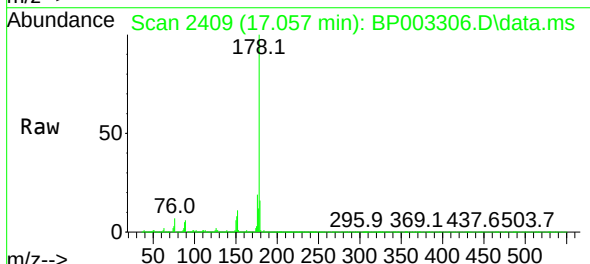
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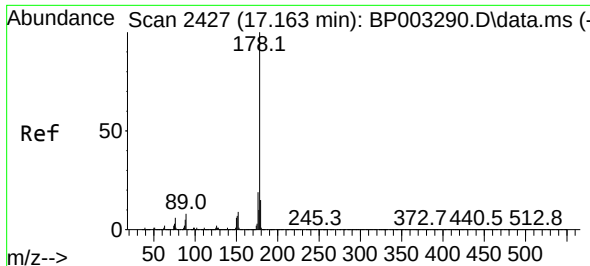
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#71  
Phenanthrene  
Concen: 95.00 ng  
RT: 17.057 min Scan# 2409  
Delta R.T. -0.006 min  
Lab File: BP003306.D  
Acq: 16 Sep 2020 17:35

Tgt Ion:178 Resp: 2224483  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.3 22.9  
179 15.6 12.5 18.7





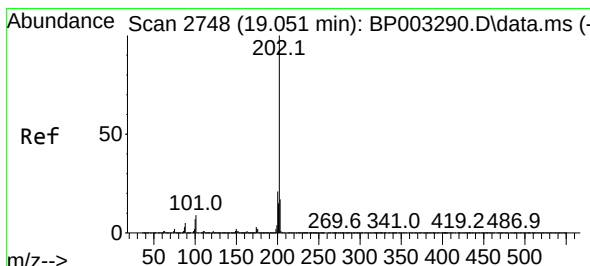
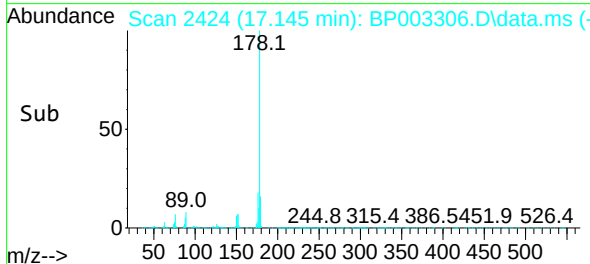
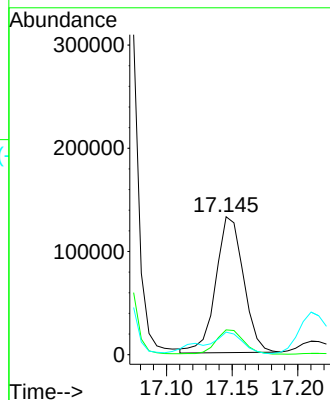
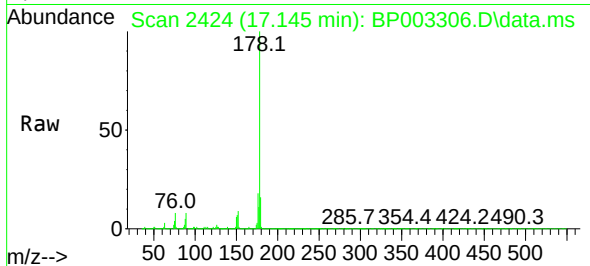
#72  
 Anthracene  
 Concen: 8.39 ng  
 RT: 17.145 min Scan# 2424  
 Delta R.T. -0.006 min  
 Lab File: BP003306.D  
 Acq: 16 Sep 2020 17:35

Tgt Ion:178 Resp: 193717  
 Ion Ratio Lower Upper  
 178 100  
 176 18.0 15.0 22.4  
 179 16.3 12.5 18.7

Instrument :  
 BNA\_P  
 ClientSampled :  
 VNJ-229

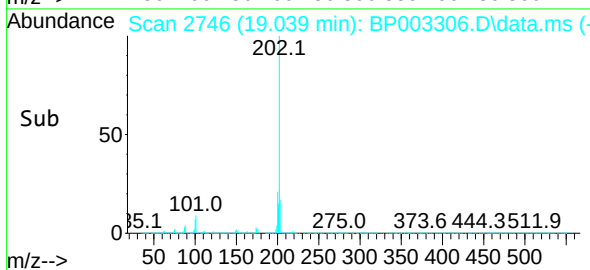
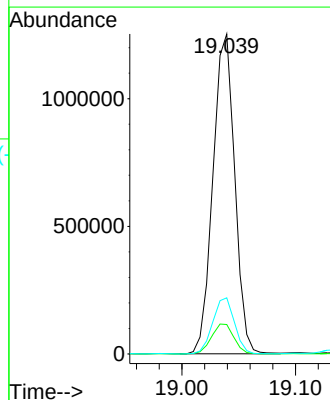
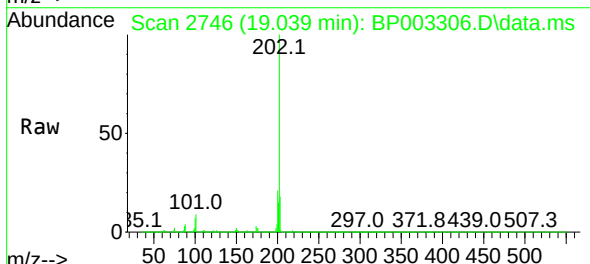
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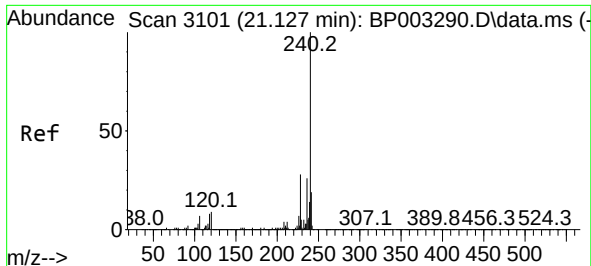
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#75  
 Fluoranthene  
 Concen: 56.83 ng  
 RT: 19.039 min Scan# 2746  
 Delta R.T. 0.000 min  
 Lab File: BP003306.D  
 Acq: 16 Sep 2020 17:35

Tgt Ion:202 Resp: 1673238  
 Ion Ratio Lower Upper  
 202 100  
 101 9.2 0.0 29.4  
 203 17.5 0.0 37.8





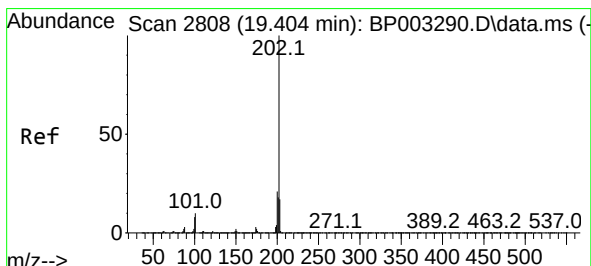
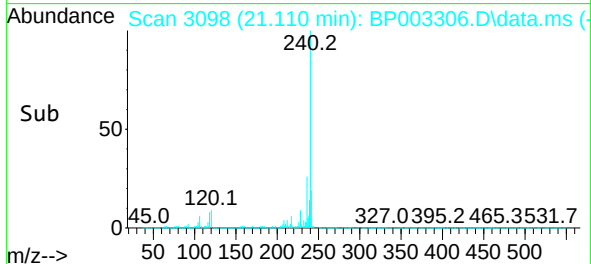
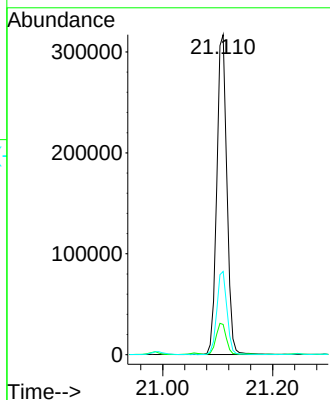
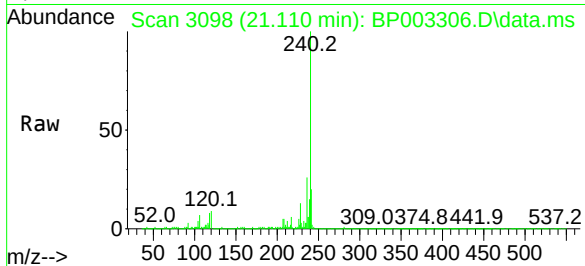
#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.110 min Scan# 3098  
Delta R.T. 0.000 min  
Lab File: BP003306.D  
Acq: 16 Sep 2020 17:35

Tgt Ion:240 Resp: 404368  
Ion Ratio Lower Upper  
240 100  
120 9.5 7.8 11.6  
236 26.0 20.8 31.2

Instrument :  
BNA\_P  
ClientSampled :  
VNJ-229

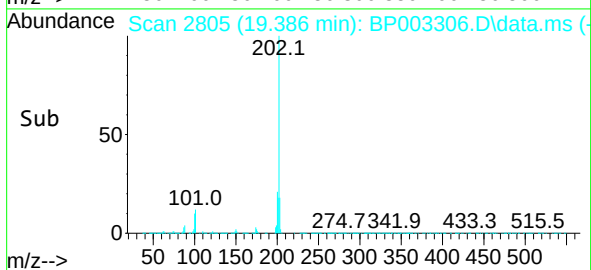
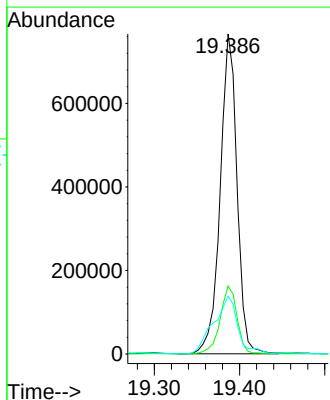
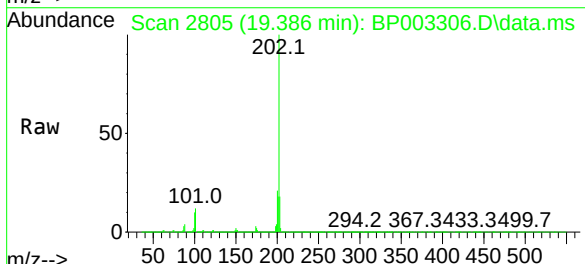
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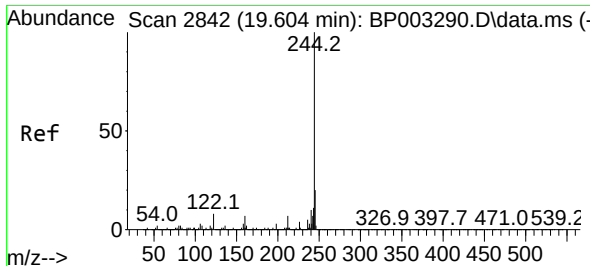
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#78  
Pyrene  
Concen: 41.59 ng  
RT: 19.386 min Scan# 2805  
Delta R.T. -0.006 min  
Lab File: BP003306.D  
Acq: 16 Sep 2020 17:35

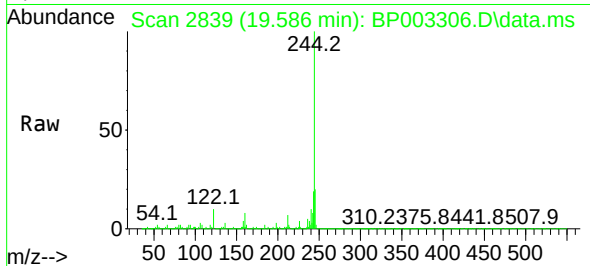
Tgt Ion:202 Resp: 1048790  
Ion Ratio Lower Upper  
202 100  
200 21.2 17.1 25.7  
203 18.0 14.2 21.2





#79  
 Terphenyl-d14  
 Concen: 53.83 ng  
 RT: 19.586 min Scan# 2839  
 Delta R.T. -0.006 min  
 Lab File: BP003306.D  
 Acq: 16 Sep 2020 17:35

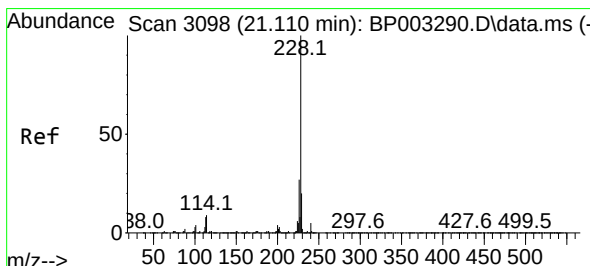
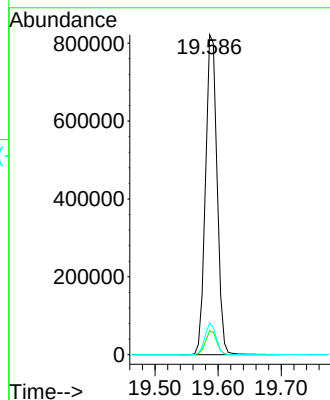
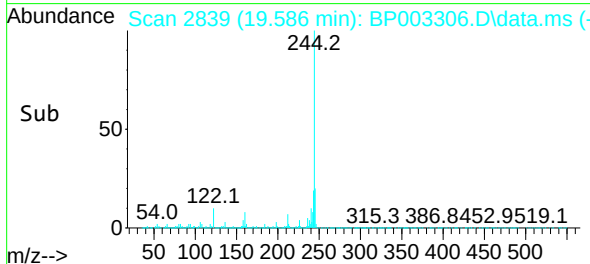
Instrument :  
 BNA\_P  
 ClientSampled :  
 VNJ-229



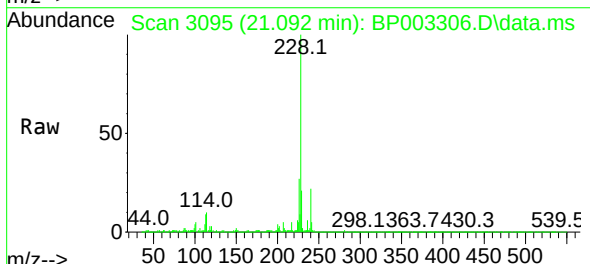
Tgt Ion:244 Resp: 1044675  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 5.8 8.6  
 122 9.9 7.8 11.8

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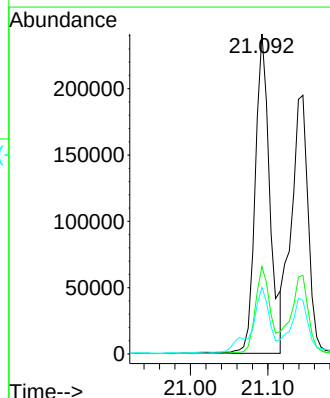
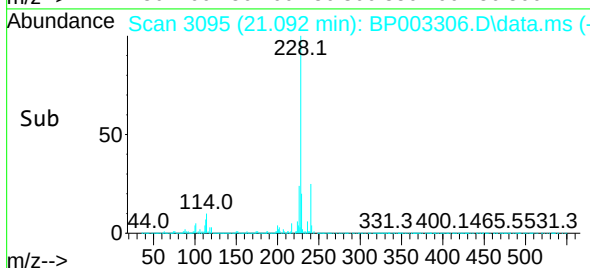
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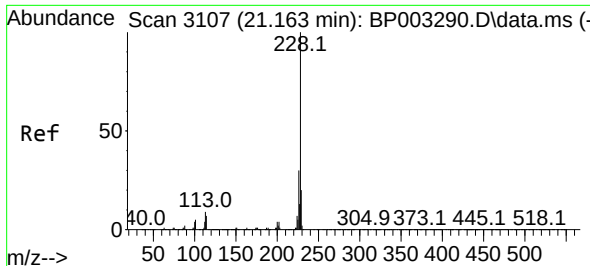


#81  
 Benzo(a)anthracene  
 Concen: 12.13 ng  
 RT: 21.092 min Scan# 3095  
 Delta R.T. -0.006 min  
 Lab File: BP003306.D  
 Acq: 16 Sep 2020 17:35



Tgt Ion:228 Resp: 317127  
 Ion Ratio Lower Upper  
 228 100  
 226 27.3 22.1 33.1  
 229 20.8 15.9 23.9





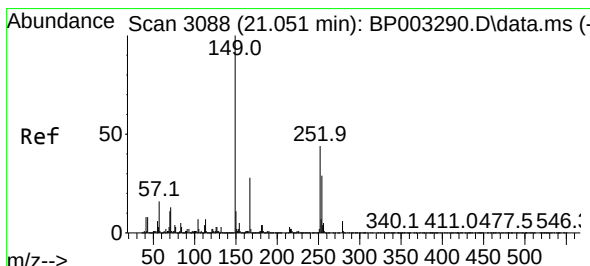
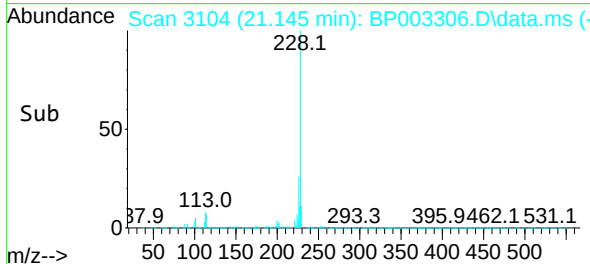
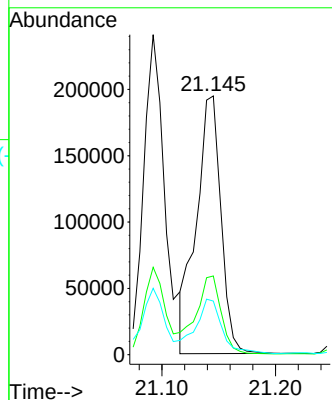
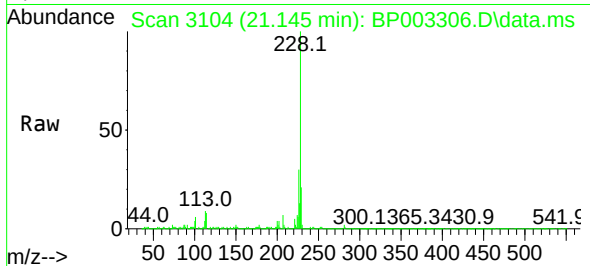
#83  
Chrysene  
Concen: 11.70 ng  
RT: 21.145 min Scan# 3104  
Delta R.T. -0.006 min  
Lab File: BP003306.D  
Acq: 16 Sep 2020 17:35

Tgt Ion: 228 Resp: 293735  
Ion Ratio Lower Upper  
228 100  
226 30.5 24.4 36.6  
229 20.7 15.8 23.6

Instrument :  
BNA\_P  
ClientSampled :  
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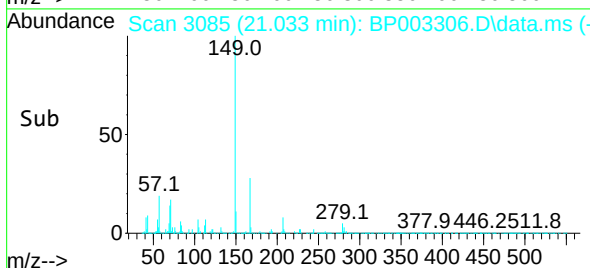
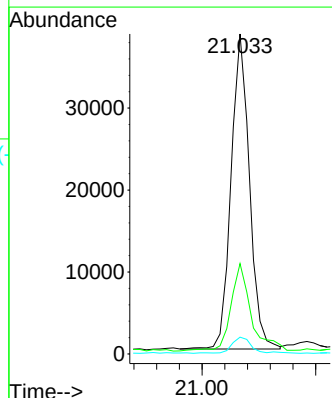
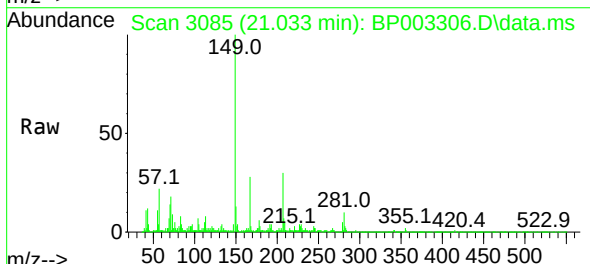
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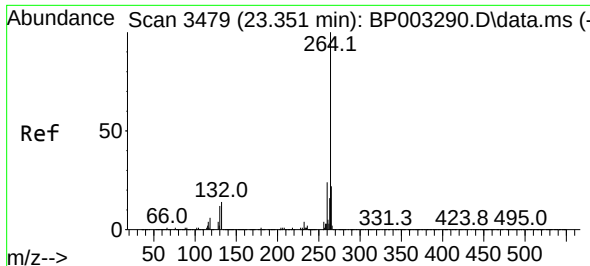
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#84  
Bis(2-ethylhexyl)phthalate  
Concen: 2.65 ng  
RT: 21.033 min Scan# 3085  
Delta R.T. -0.006 min  
Lab File: BP003306.D  
Acq: 16 Sep 2020 17:35

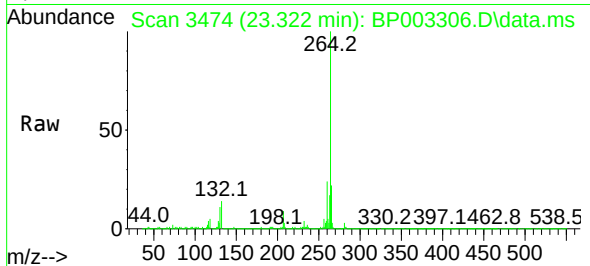
Tgt Ion: 149 Resp: 43114  
Ion Ratio Lower Upper  
149 100  
167 28.3 22.6 34.0  
279 5.3 4.2 6.2





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 23.322 min Scan# 3474  
Delta R.T. -0.006 min  
Lab File: BP003306.D  
Acq: 16 Sep 2020 17:35

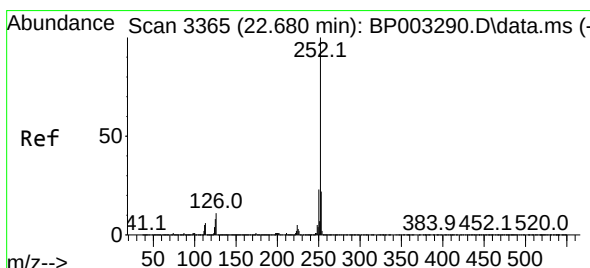
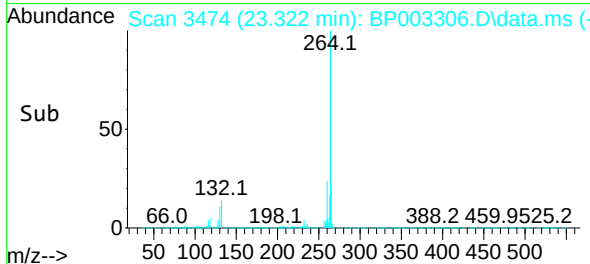
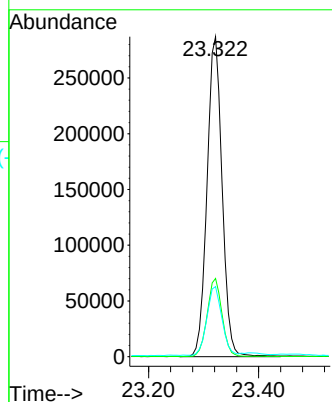
Instrument :  
BNA\_P  
ClientSampled :  
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Tgt Ion:264 Resp: 545480  
Ion Ratio Lower Upper  
264 100  
260 24.5 18.8 28.2  
265 21.9 17.4 26.2

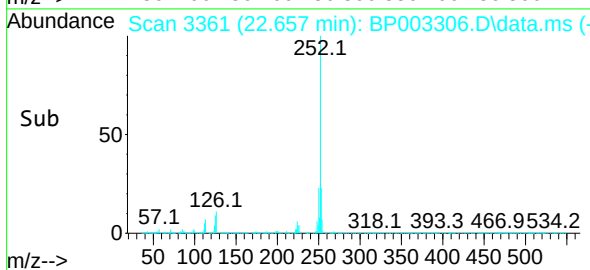
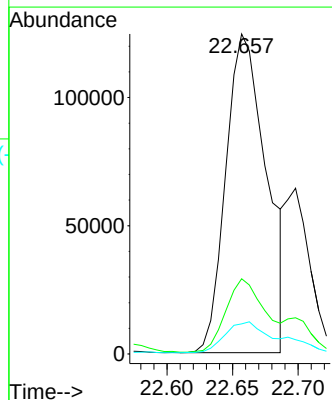
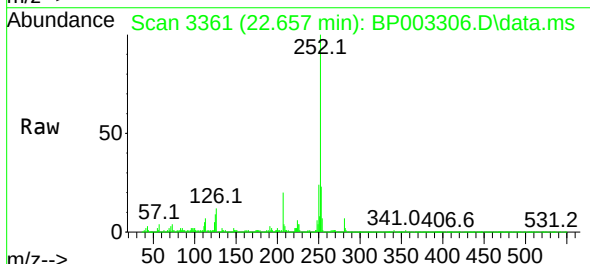
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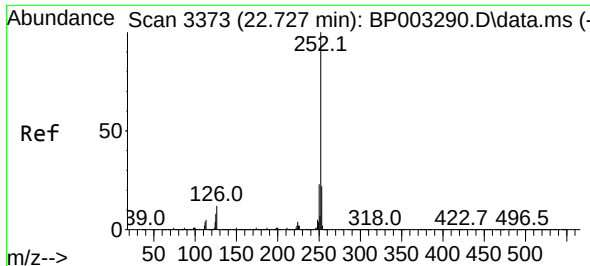
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#88  
Benzo(b)fluoranthene  
Concen: 7.77 ng  
RT: 22.657 min Scan# 3361  
Delta R.T. -0.006 min  
Lab File: BP003306.D  
Acq: 16 Sep 2020 17:35

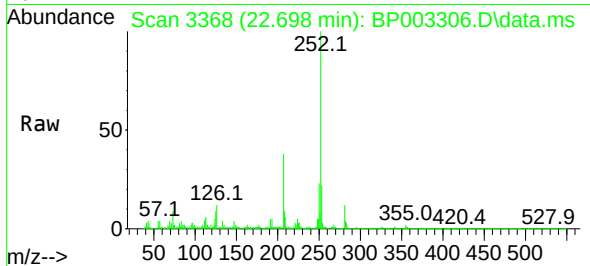
Tgt Ion:252 Resp: 267695  
Ion Ratio Lower Upper  
252 100  
253 23.5 17.6 26.4  
125 9.4 7.3 10.9





#89  
Benzo(k)fluoranthene  
Concen: 2.53 ng m  
RT: 22.698 min Scan# 3368  
Delta R.T. -0.006 min  
Lab File: BP003306.D  
Acq: 16 Sep 2020 17:35

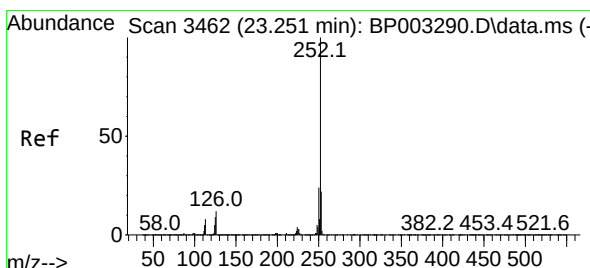
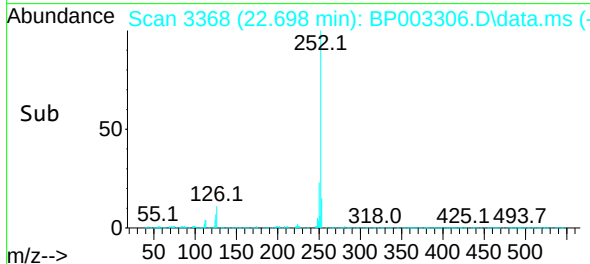
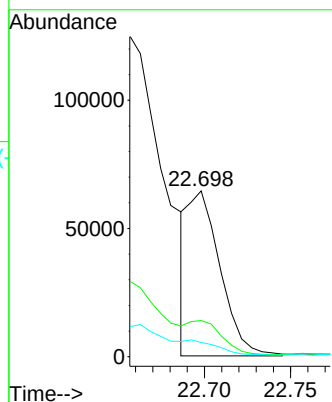
Instrument :  
BNA\_P  
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Tgt Ion:252 Resp: 83601  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.8 26.8  
125 8.6 7.4 11.2

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#90  
Benzo(a)pyrene  
Concen: 4.09 ng  
RT: 23.222 min Scan# 3457  
Delta R.T. -0.011 min  
Lab File: BP003306.D  
Acq: 16 Sep 2020 17:35

Tgt Ion:252 Resp: 132799  
Ion Ratio Lower Upper  
252 100  
253 22.6 17.4 26.0  
125 10.4 8.2 12.4

