

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP011321\  
 Data File : BP004539.D  
 Acq On : 13 Jan 2021 16:04  
 Operator : CG/JU  
 Sample : L1073-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 VNJ-217

Quant Time: Jan 13 16:47:01 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270E-BP011221.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 12 15:19:32 2021  
 Response via : Initial Calibration

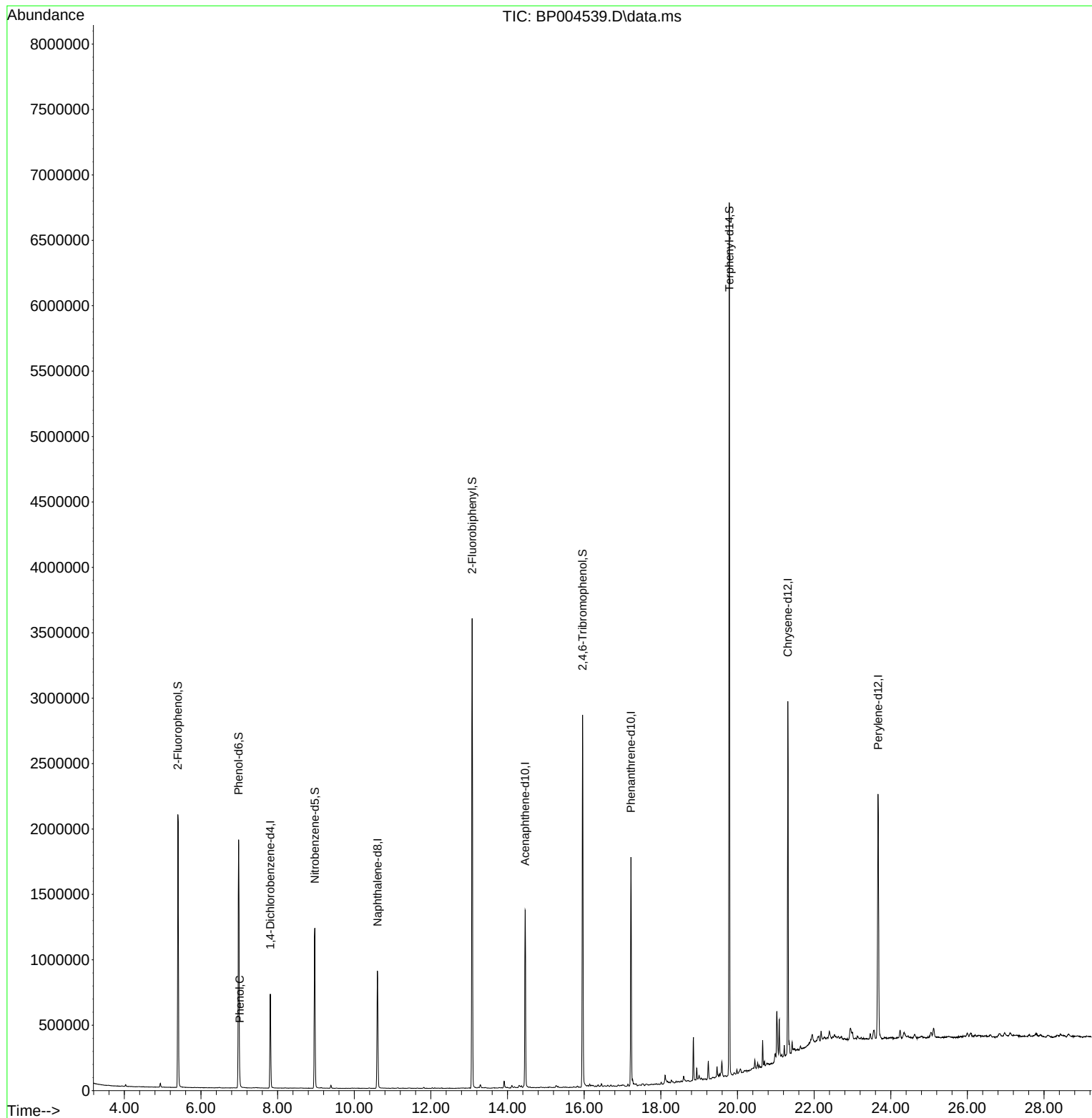
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.810  | 152  | 219284   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.604 | 136  | 830211   | 20.00     | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.457 | 164  | 516516   | 20.00     | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.222 | 188  | 1115220  | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12              | 21.316 | 240  | 1298972  | 20.00     | ng    | 0.00     |
| 86) Perylene-d12              | 23.668 | 264  | 1450162  | 20.00     | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.399  | 112  | 1067151  | 84.82     | ng    | 0.00     |
| 7) Phenol-d6                  | 6.981  | 99   | 1297307  | 75.29     | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.969  | 82   | 738089   | 50.26     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.957 | 330  | 690816   | 76.93     | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.075 | 172  | 2015865  | 50.74     | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.786 | 244  | 2994272  | 42.12     | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.981  | 77   | 2710     | Below Cal | #     | 6        |
| 10) Phenol                    | 7.011  | 94   | 38587    | 2.34      | ng    | 89       |
| 32) Benzoic acid              | 9.904  | 122  | 213      | Below Cal |       | 87       |
| 41) Hexachlorocyclopentadiene | 12.769 | 237  | 16       | Below Cal |       | 86       |
| 54) 2,4-Dinitrophenol         | 14.598 | 184  | 39       | Below Cal | #     | 17       |
| -----                         |        |      |          |           |       |          |

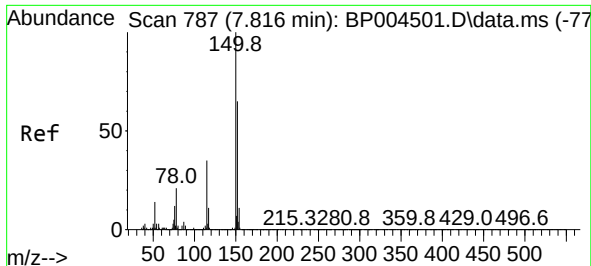
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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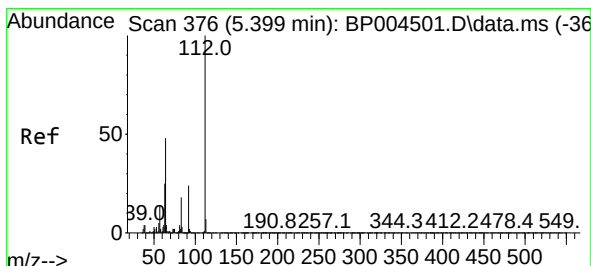
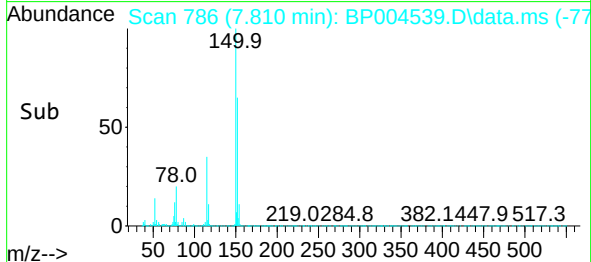
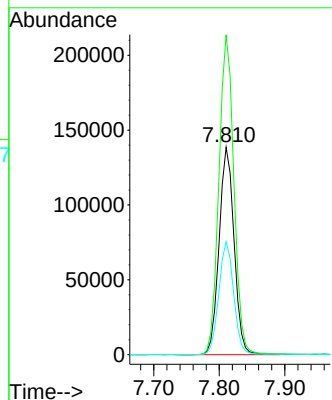
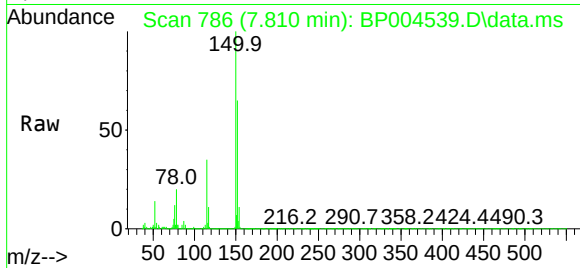




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.810 min Scan# 786  
Delta R.T. -0.006 min  
Lab File: BP004539.D  
Acq: 13 Jan 2021 16:04

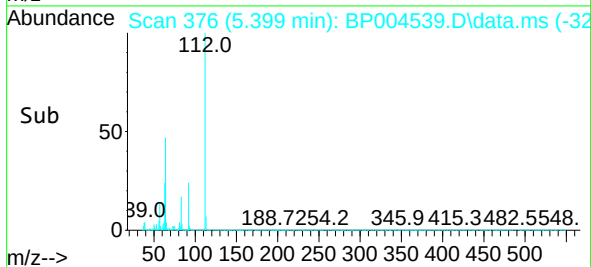
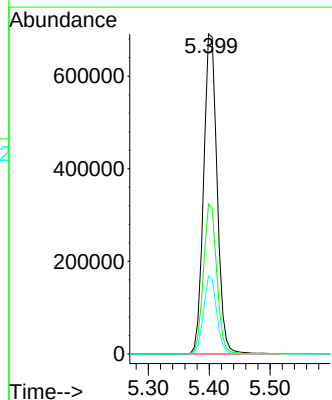
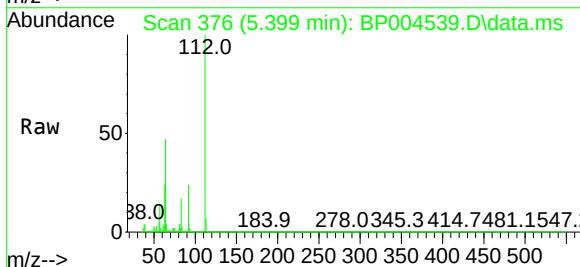
Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-217

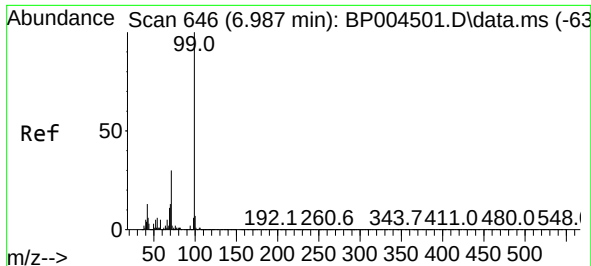
Tgt Ion:152 Resp: 219284  
Ion Ratio Lower Upper  
152 100  
150 154.3 123.8 185.6  
115 54.5 43.8 65.6



#5  
2-Fluorophenol  
Concen: 84.82 ng  
RT: 5.399 min Scan# 376  
Delta R.T. 0.000 min  
Lab File: BP004539.D  
Acq: 13 Jan 2021 16:04

Tgt Ion:112 Resp: 1067151  
Ion Ratio Lower Upper  
112 100  
64 46.9 32.8 49.2  
63 24.4 17.0 25.4



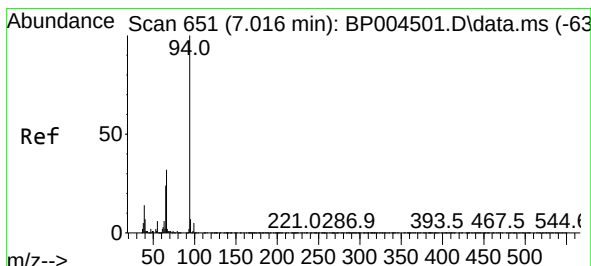
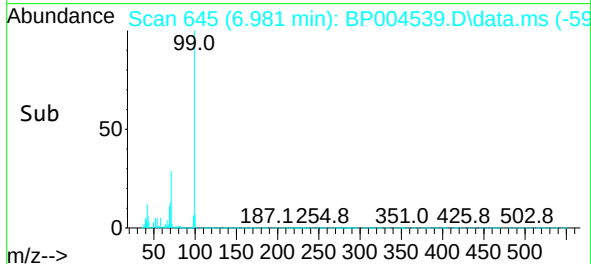
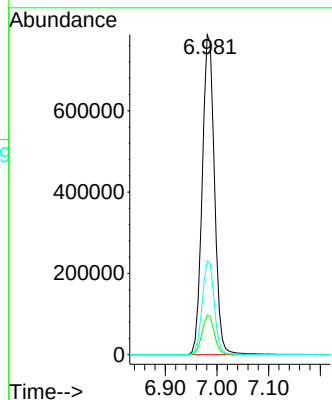
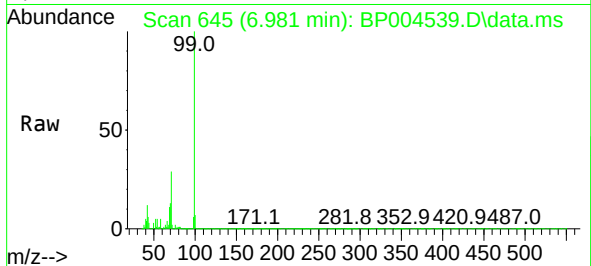


#7  
Phenol-d6  
Concen: 75.29 ng  
RT: 6.981 min Scan# 645  
Delta R.T. -0.006 min  
Lab File: BP004539.D  
Acq: 13 Jan 2021 16:04

Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-217

Tgt Ion: 99 Resp: 1297307

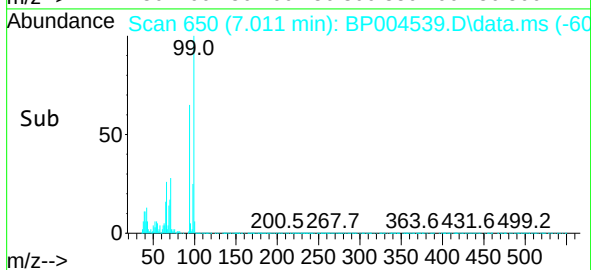
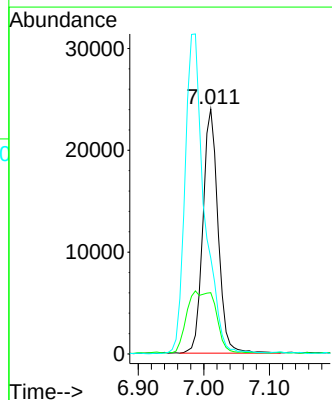
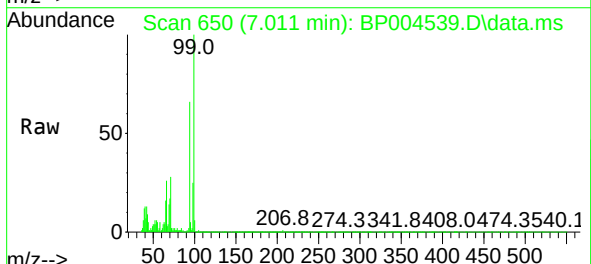
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 12.4  | 8.6   | 13.0  |
| 71  | 29.3  | 23.4  | 35.2  |

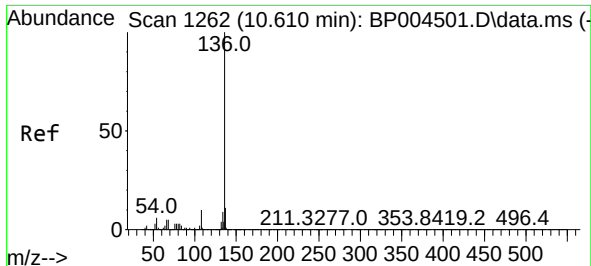


#10  
Phenol  
Concen: 2.34 ng  
RT: 7.011 min Scan# 650  
Delta R.T. -0.006 min  
Lab File: BP004539.D  
Acq: 13 Jan 2021 16:04

Tgt Ion: 94 Resp: 38587

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 25.0  | 2.3   | 42.3  |
| 66  | 39.2  | 10.9  | 50.9  |

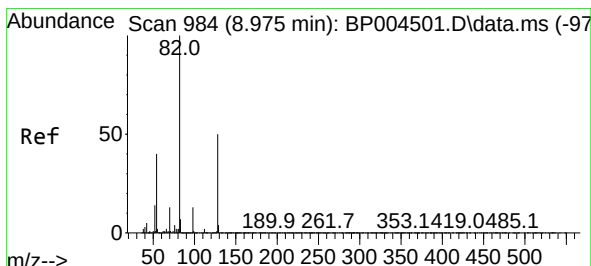
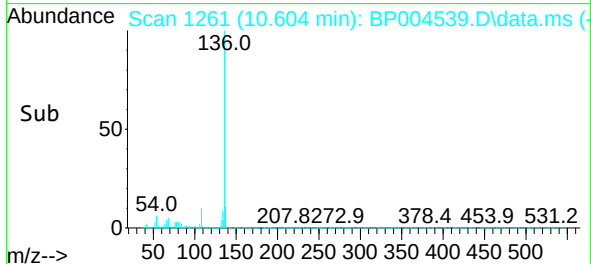
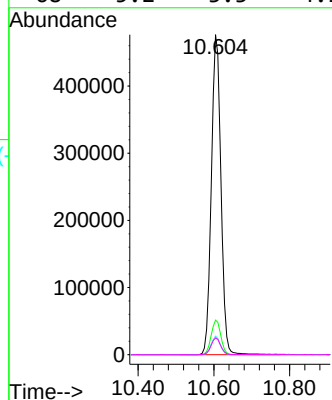
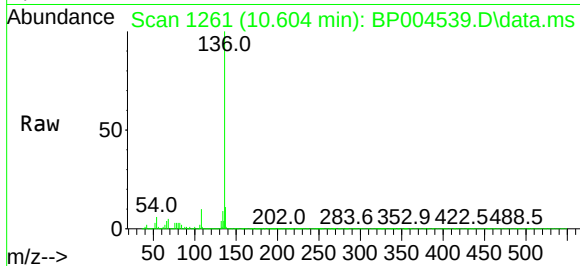




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.604 min Scan# 1261  
Delta R.T. -0.006 min  
Lab File: BP004539.D  
Acq: 13 Jan 2021 16:04

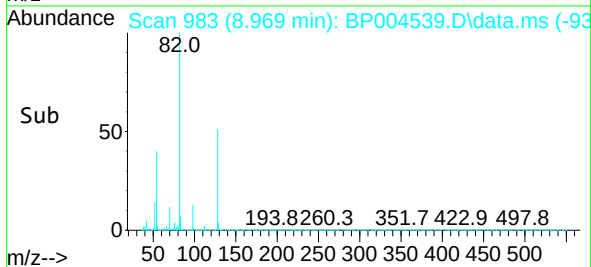
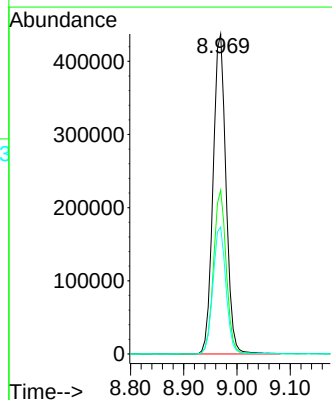
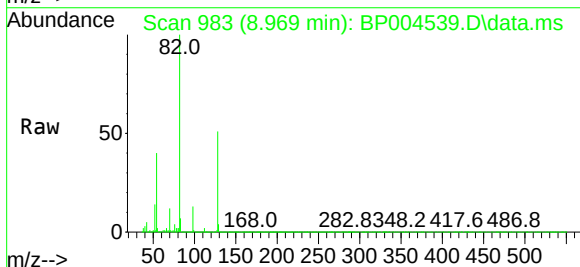
Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-217

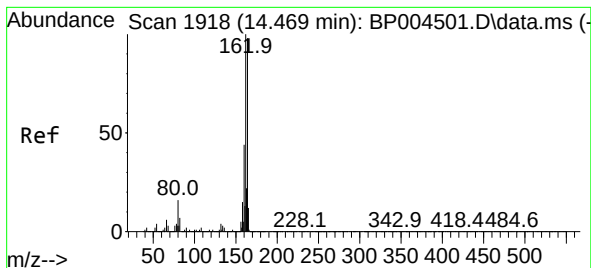
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 830211 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.6   | 13.0   |
| 54       | 5.8   | 3.6   | 5.4#   |
| 68       | 5.2   | 3.3   | 4.9#   |



#23  
Nitrobenzene-d5  
Concen: 50.26 ng  
RT: 8.969 min Scan# 983  
Delta R.T. -0.006 min  
Lab File: BP004539.D  
Acq: 13 Jan 2021 16:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 738089 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 51.2  | 45.6  | 68.4   |
| 54       | 39.6  | 30.1  | 45.1   |





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.457 min Scan# 1916

Delta R.T. -0.012 min

Lab File: BP004539.D

Acq: 13 Jan 2021 16:04

Instrument :

BNA\_P

ClientSampleId :

VNJ-217

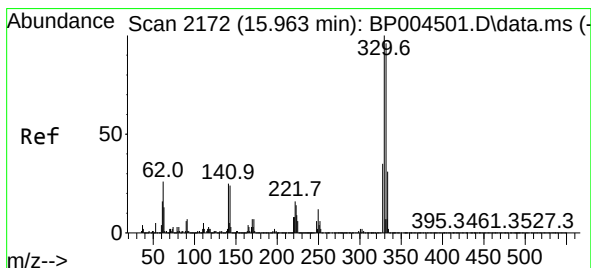
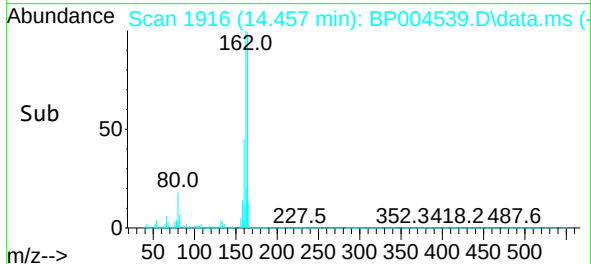
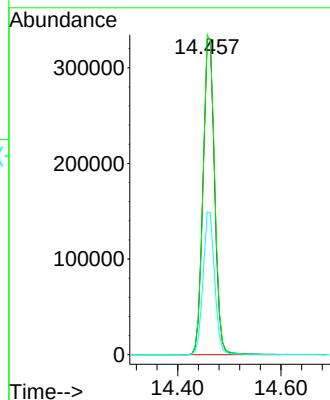
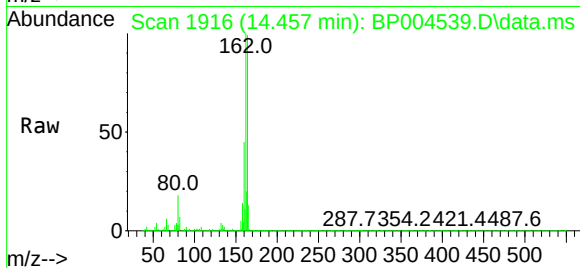
Tgt Ion:164 Resp: 516516

Ion Ratio Lower Upper

164 100

162 101.3 79.4 119.2

160 45.2 36.1 54.1



#42

2,4,6-Tribromophenol

Concen: 76.93 ng

RT: 15.957 min Scan# 2171

Delta R.T. -0.006 min

Lab File: BP004539.D

Acq: 13 Jan 2021 16:04

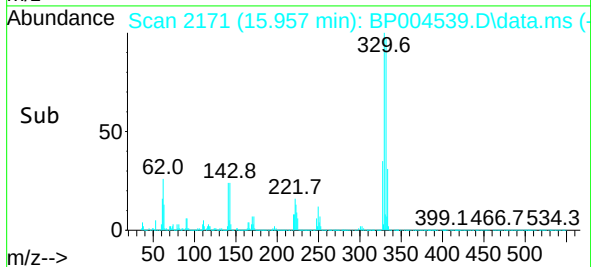
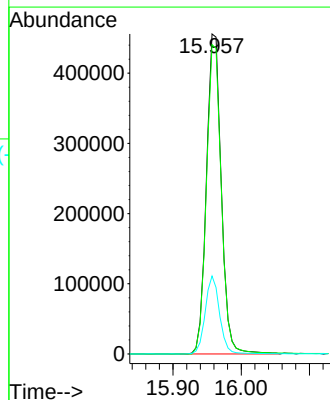
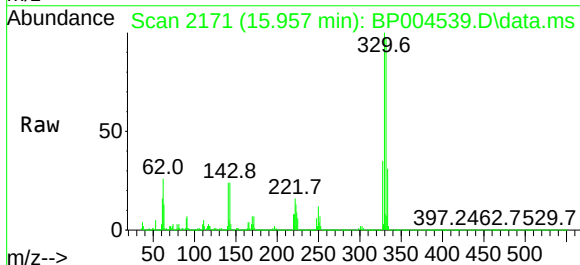
Tgt Ion:330 Resp: 690816

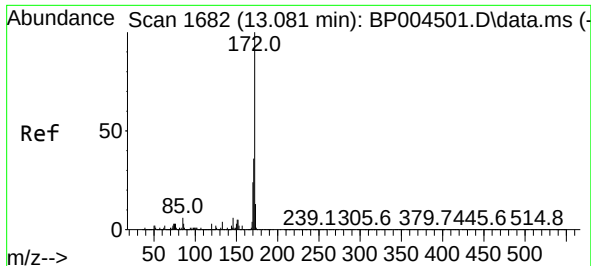
Ion Ratio Lower Upper

330 100

332 97.6 77.1 115.7

141 23.6 23.4 35.2

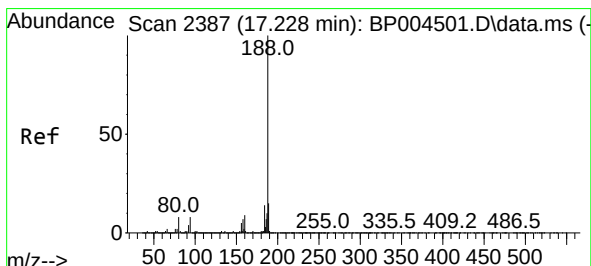
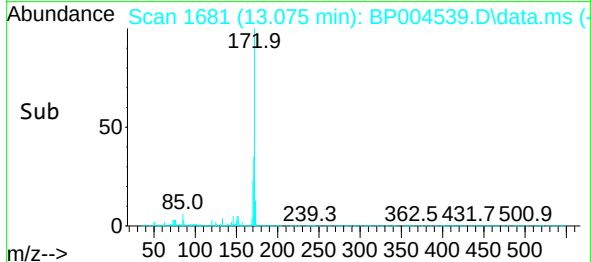
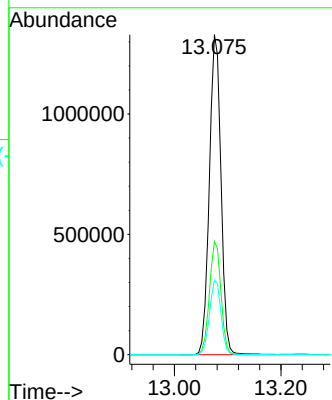
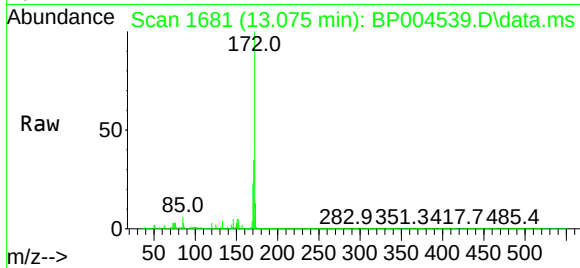




#45  
2-Fluorobiphenyl  
Concen: 50.74 ng  
RT: 13.075 min Scan# 1681  
Delta R.T. -0.006 min  
Lab File: BP004539.D  
Acq: 13 Jan 2021 16:04

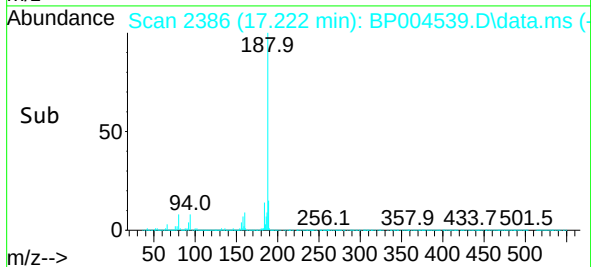
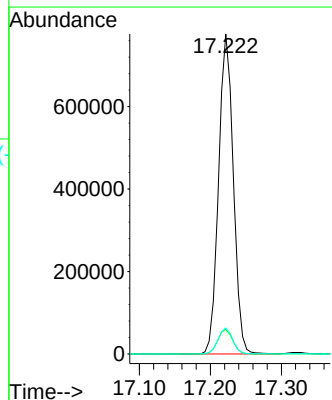
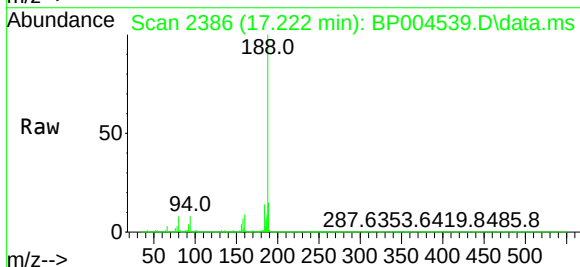
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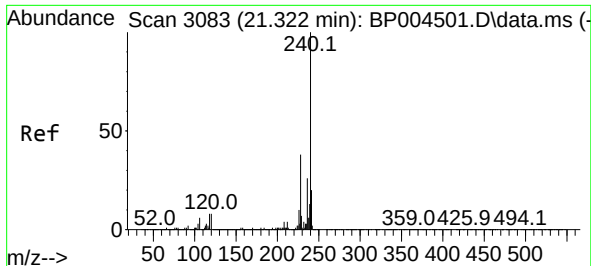
Tgt Ion:172 Resp: 2015865  
Ion Ratio Lower Upper  
172 100  
171 35.4 28.5 42.7  
170 23.3 19.2 28.8



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.222 min Scan# 2386  
Delta R.T. -0.006 min  
Lab File: BP004539.D  
Acq: 13 Jan 2021 16:04

Tgt Ion:188 Resp: 1115220  
Ion Ratio Lower Upper  
188 100  
94 7.7 6.2 9.2  
80 8.2 6.2 9.2

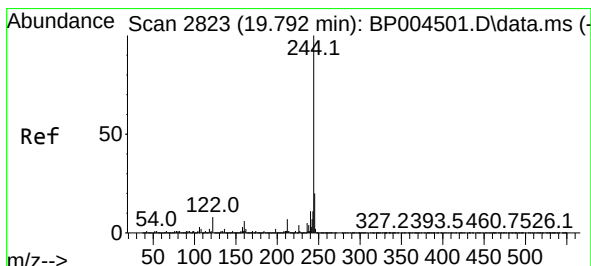
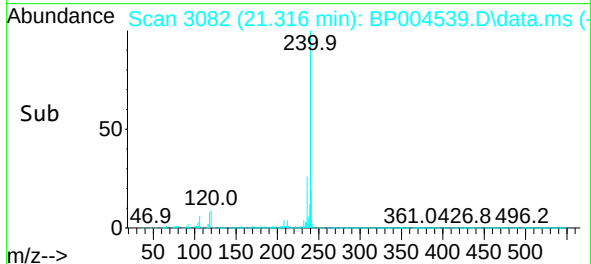
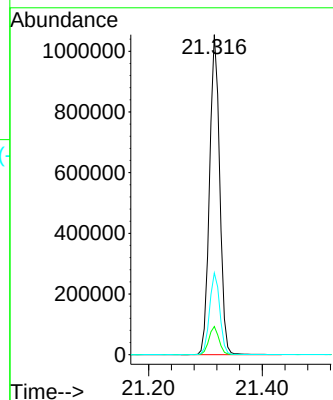
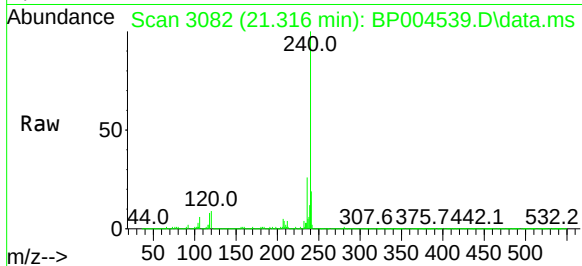




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.316 min Scan# 3082  
Delta R.T. -0.006 min  
Lab File: BP004539.D  
Acq: 13 Jan 2021 16:04

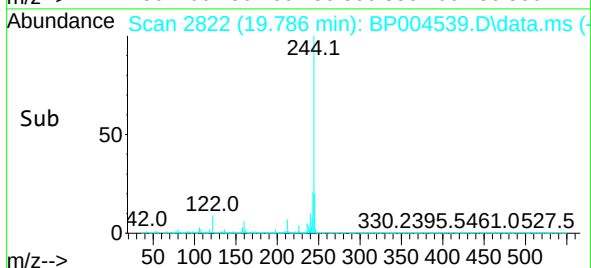
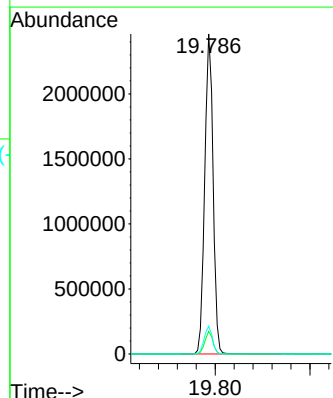
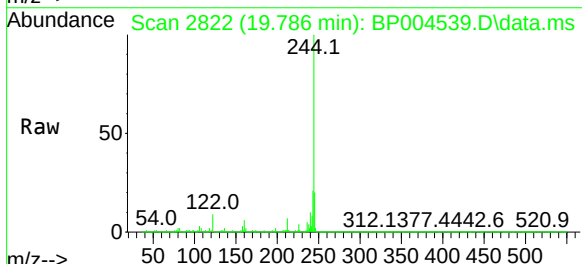
Instrument :  
BNA\_P  
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Tgt Ion:240 Resp: 1298972  
Ion Ratio Lower Upper  
240 100  
120 8.8 7.8 11.6  
236 25.6 20.8 31.2

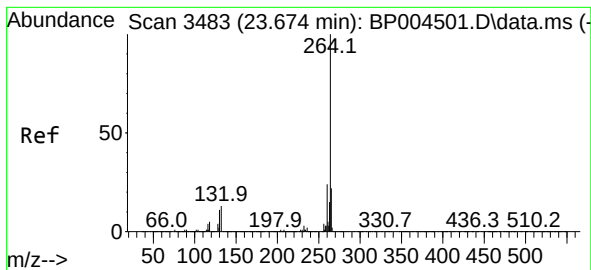


#79  
Terphenyl-d14  
Concen: 42.12 ng  
RT: 19.786 min Scan# 2822  
Delta R.T. -0.006 min  
Lab File: BP004539.D  
Acq: 13 Jan 2021 16:04

Tgt Ion:244 Resp: 2994272  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.8 8.6  
122 8.7 7.8 11.8







#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 23.668 min Scan# 3482  
Delta R.T. -0.006 min  
Lab File: BP004539.D  
Acq: 13 Jan 2021 16:04

Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-217

Tgt Ion:264 Resp: 1450162  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.1  | 18.8  | 28.2  |
| 265 | 21.7  | 17.4  | 26.2  |

