

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111519\  
 Data File : BP001041.D  
 Acq On : 15 Nov 2019 15:46  
 Operator : JU  
 Sample : K5670-08  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Nov 15 16:32:34 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP110619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 06 17:07:13 2019  
 Response via : Initial Calibration

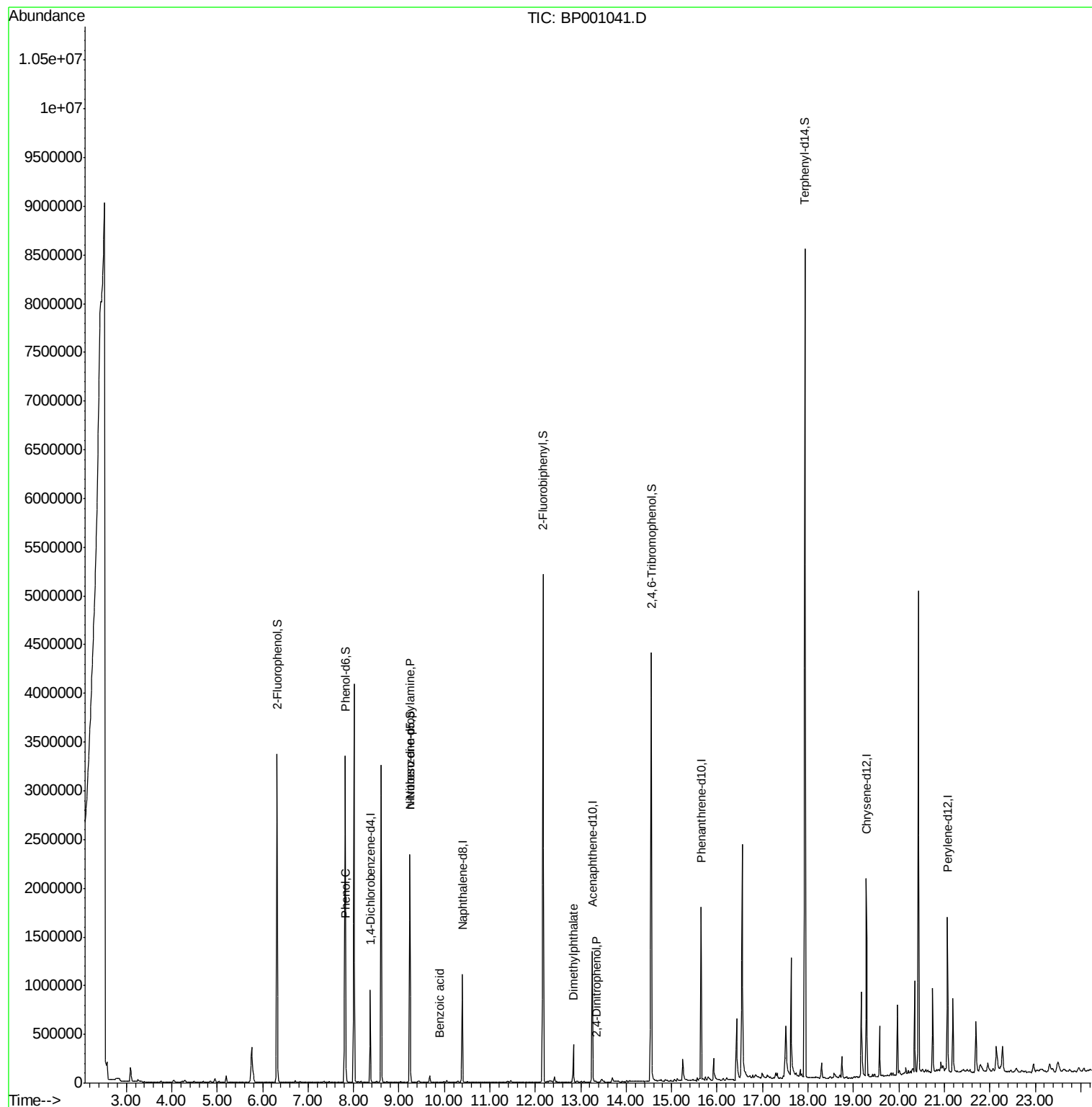
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.37  | 152  | 180447   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.39 | 136  | 658822   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 13.26 | 164  | 400159   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10           | 15.65 | 188  | 853824   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 19.29 | 240  | 766235   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12               | 21.07 | 264  | 824955   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 6.32  | 112  | 1309504  | 132.09 | ng    | 0.02     |
| 7) Phenol-d6                   | 7.82  | 99   | 1686808  | 134.55 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.24  | 82   | 1073251  | 90.11  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol       | 14.55 | 330  | 828034   | 173.34 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 12.17 | 172  | 2390188  | 89.96  | ng    | -0.02    |
| 79) Terphenyl-d14              | 17.93 | 244  | 3629642  | 94.23  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.83  | 94   | 87185    | 6.358  | ng    | 95       |
| 19) n-Nitroso-di-n-propylamine | 9.24  | 70   | 145293   | 19.301 | ng    | # 80     |
| 32) Benzoic acid               | 9.89  | 122  | 59       | 7.678  | ng    | 97       |
| 50) Dimethylphthalate          | 12.84 | 163  | 218796   | 7.394  | ng    | 99       |
| 54) 2,4-Dinitrophenol          | 13.34 | 184  | 39       | 8.326  | ng    | # 35     |

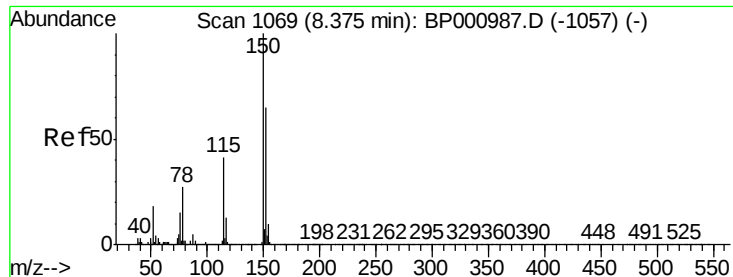
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111519\  
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Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :

Quant Time: Nov 15 16:32:34 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP110619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Nov 06 17:07:13 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.37 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BP001041.D

Acq: 15 Nov 2019 15:46

Instrument :

BNA\_P

ClientSampleId :

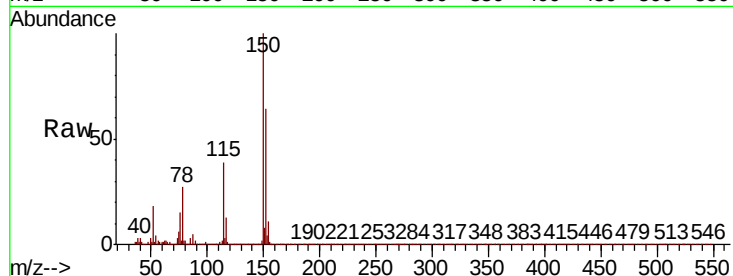
Tot Ion:152 Resp: 180447

Ion Ratio Lower Upper

152 100

150 155.9 123.6 185.4

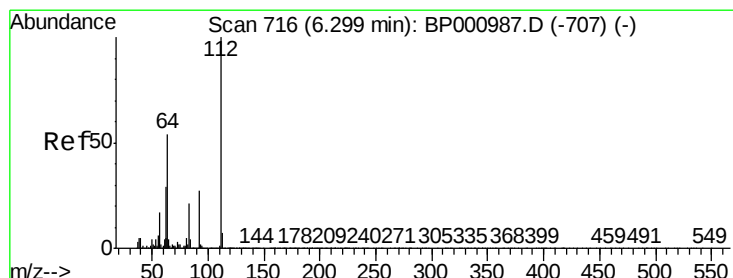
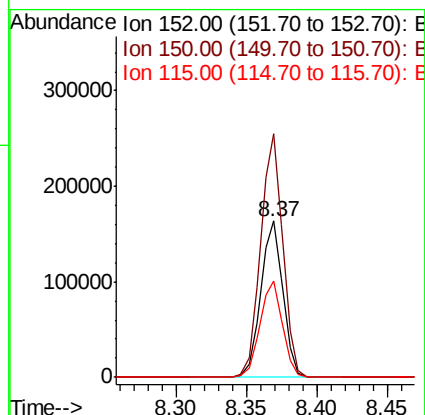
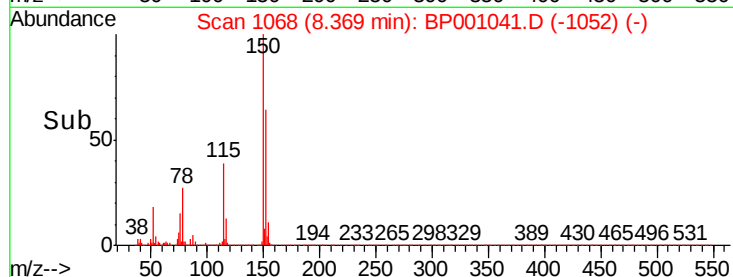
115 61.5 50.1 75.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 132.090 ng

RT: 6.32 min Scan# 719

Delta R.T. 0.02 min

Lab File: BP001041.D

Acq: 15 Nov 2019 15:46

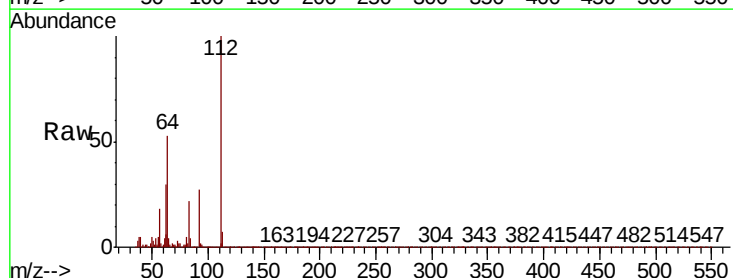
Tgt Ion:112 Resp: 1309504

Ion Ratio Lower Upper

112 100

64 53.0 43.4 65.0

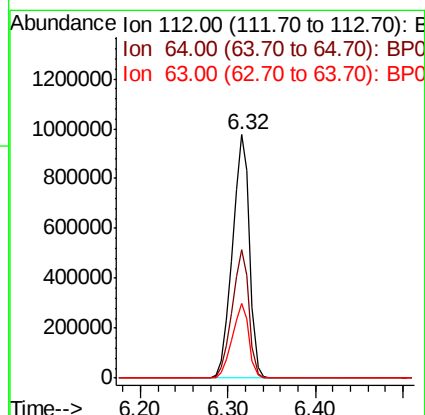
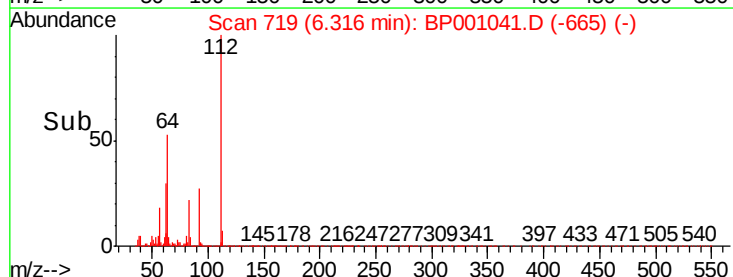
63 30.4 23.4 35.0

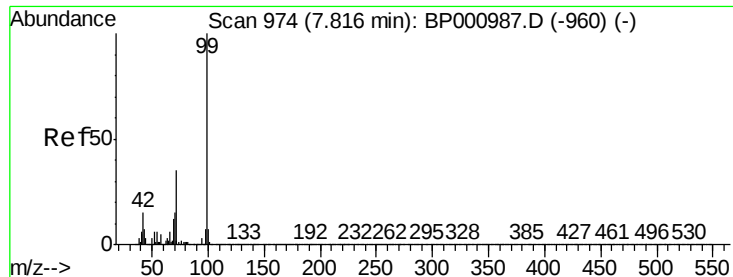


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 134.552 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.00 min

Lab File: BP001041.D

Acq: 15 Nov 2019 15:46

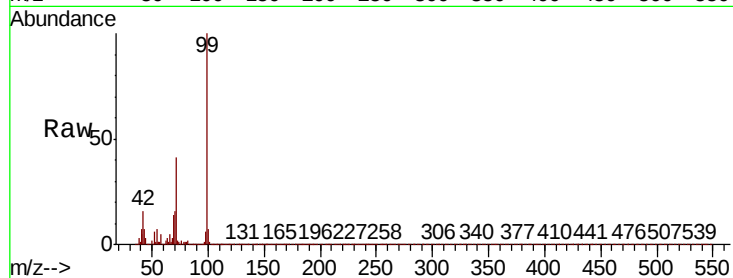
Instrument :

BNA\_P

ClientSampleId :

Tot Ion: 99 Resp: 1686808

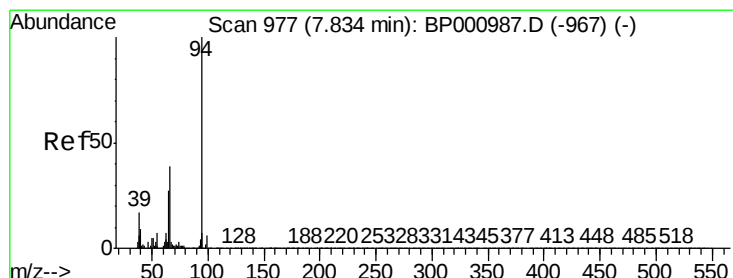
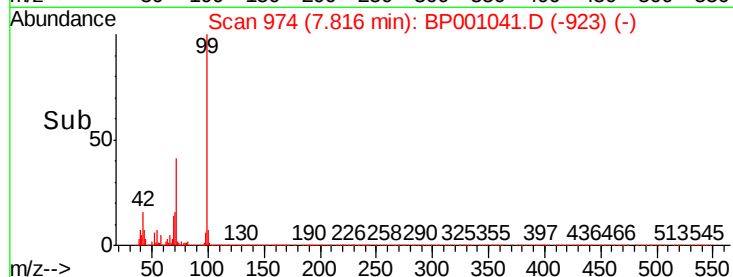
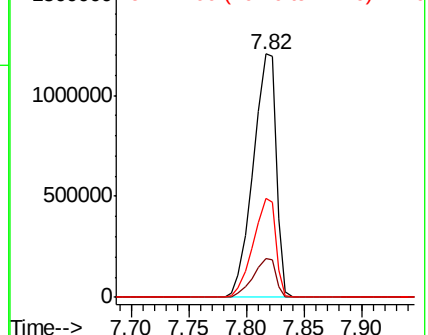
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.2  | 11.6  | 17.4  |
| 71  | 40.6  | 28.0  | 42.0  |



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#10

Phenol

Concen: 6.358 ng

RT: 7.83 min Scan# 977

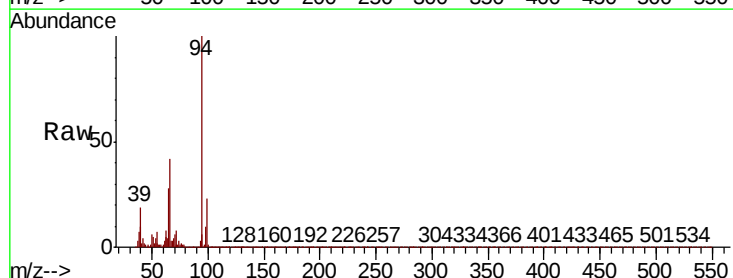
Delta R.T. -0.00 min

Lab File: BP001041.D

Acq: 15 Nov 2019 15:46

Tgt Ion: 94 Resp: 87185

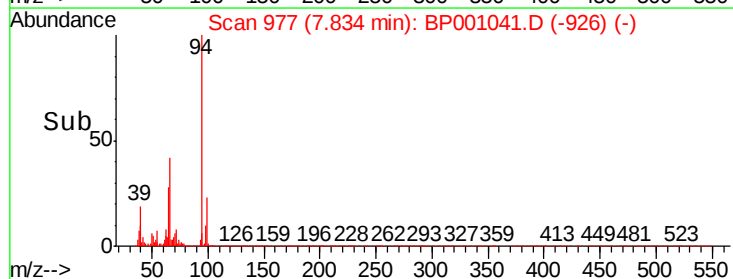
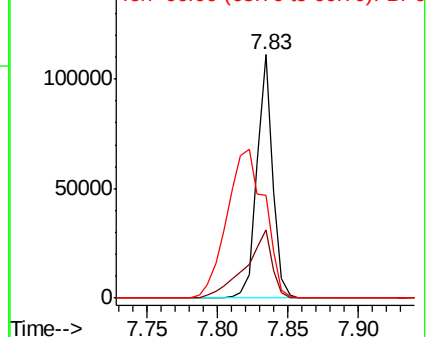
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 28.3  | 6.7   | 46.7  |
| 66  | 42.0  | 18.6  | 58.6  |

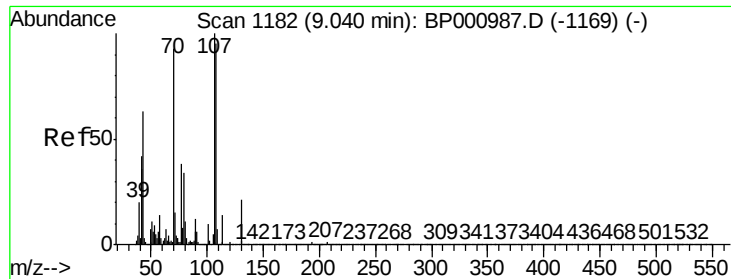


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

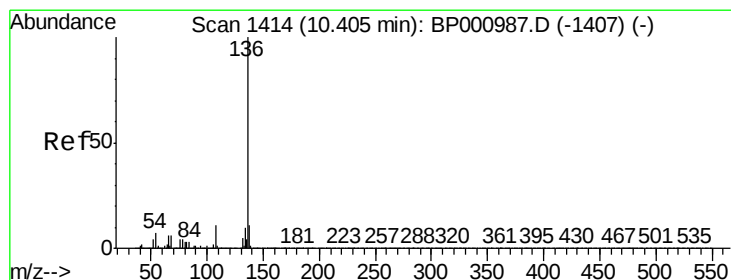
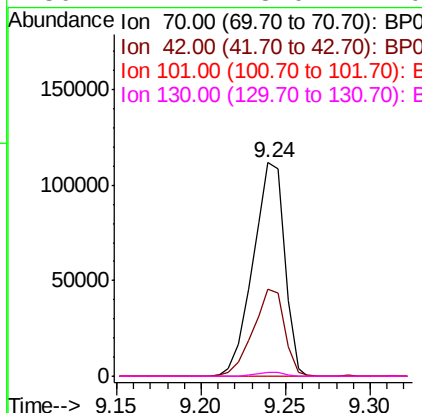
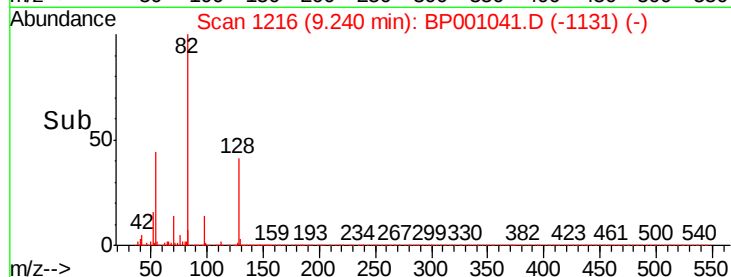
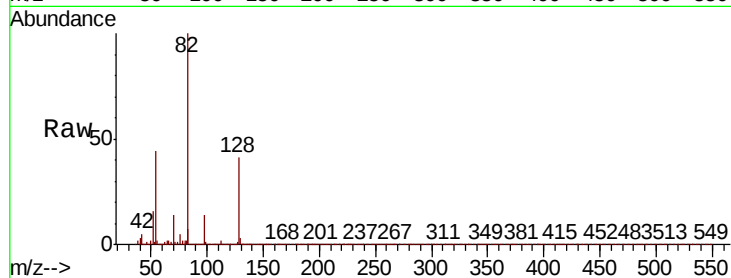




#19  
n-Nitroso-di-n-propylamine  
Concen: 19.301 ng  
RT: 9.24 min Scan# 1216  
Delta R.T. 0.20 min  
Lab File: BP001041.D  
Acq: 15 Nov 2019 15:46

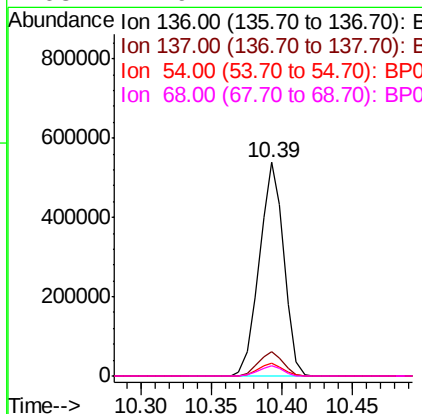
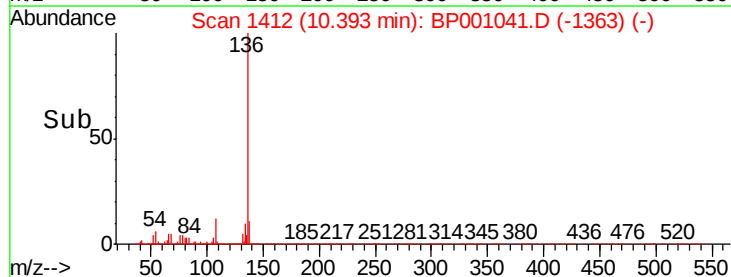
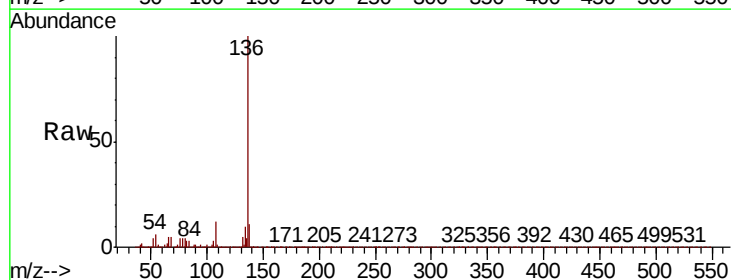
Instrument :  
BNA\_P  
ClientSampleId :

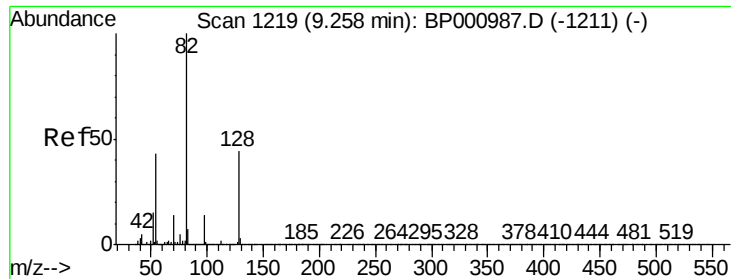
Tot Ion: 70 Resp: 145293  
Ion Ratio Lower Upper  
70 100  
42 40.6 36.3 54.5  
101 0.1 8.7 13.1#  
130 1.7 18.0 27.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.39 min Scan# 1412  
Delta R.T. -0.01 min  
Lab File: BP001041.D  
Acq: 15 Nov 2019 15:46

Tgt Ion: 136 Resp: 658822  
Ion Ratio Lower Upper  
136 100  
137 11.3 9.0 13.6  
54 6.1 5.4 8.2  
68 4.9 4.7 7.1

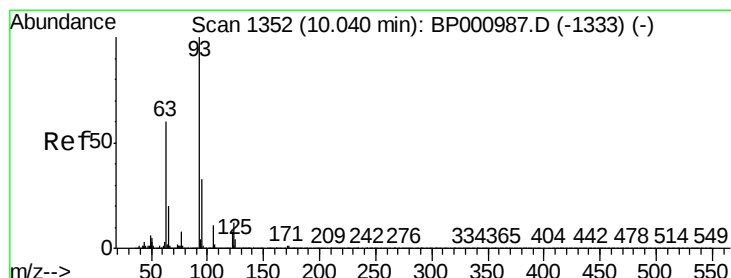
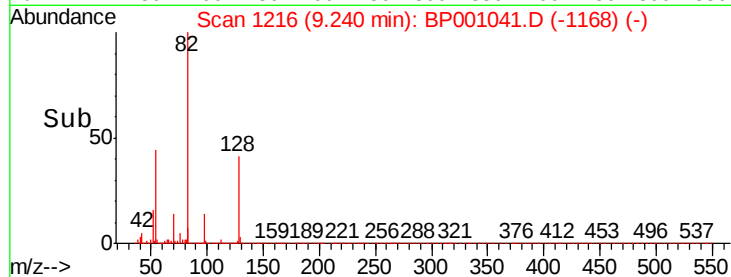
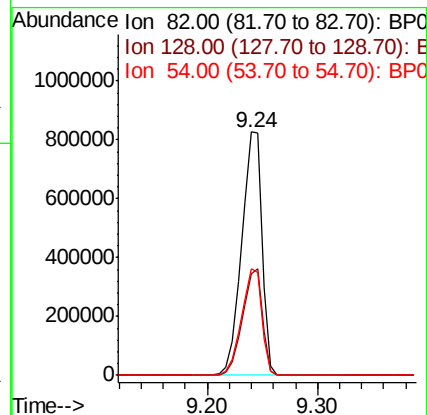
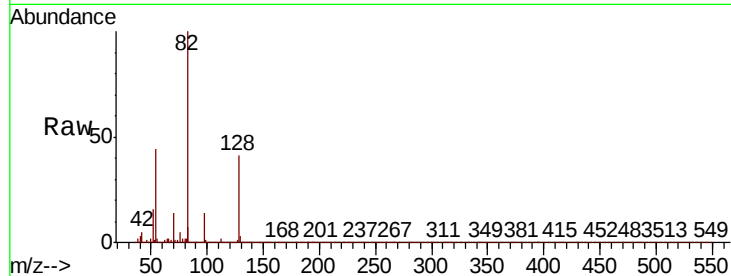




#23  
 Nitrobenzene-d5  
 Concen: 90.113 ng  
 RT: 9.24 min Scan# 1216  
 Delta R.T. -0.02 min  
 Lab File: BP001041.D  
 Acq: 15 Nov 2019 15:46

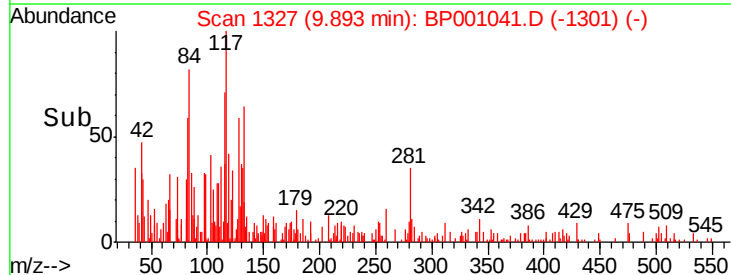
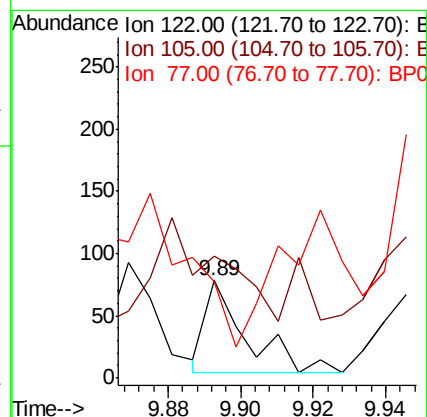
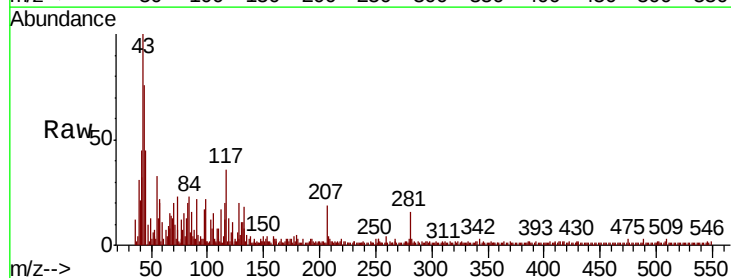
Instrument :  
 BNA\_P  
 ClientSampled :

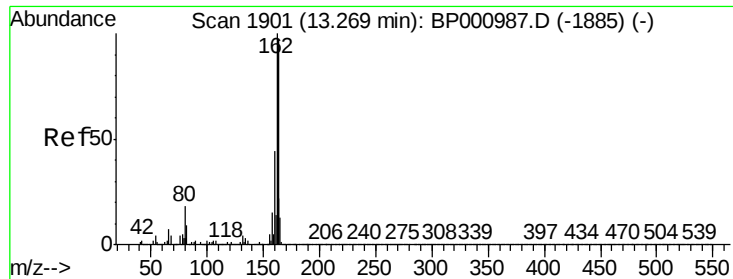
Tot Ion: 82 Resp: 1073251  
 Ion Ratio Lower Upper  
 82 100  
 128 41.5 35.3 52.9  
 54 43.6 34.3 51.5



#32  
 Benzoic acid  
 Concen: 7.678 ng  
 RT: 9.89 min Scan# 1327  
 Delta R.T. -0.15 min  
 Lab File: BP001041.D  
 Acq: 15 Nov 2019 15:46

Tgt Ion: 122 Resp: 59  
 Ion Ratio Lower Upper  
 122 100  
 105 125.6 110.5 150.5  
 77 98.7 77.9 117.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.26 min Scan# 1899

Delta R.T. -0.01 min

Lab File: BP001041.D

Acq: 15 Nov 2019 15:46

Instrument :

BNA\_P

ClientSampleId :

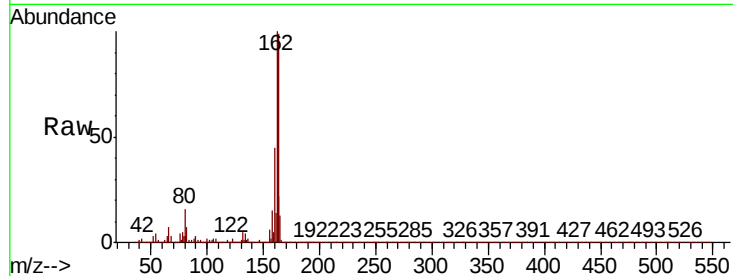
Tot Ion:164 Resp: 400159

Ion Ratio Lower Upper

164 100

162 101.0 82.6 123.8

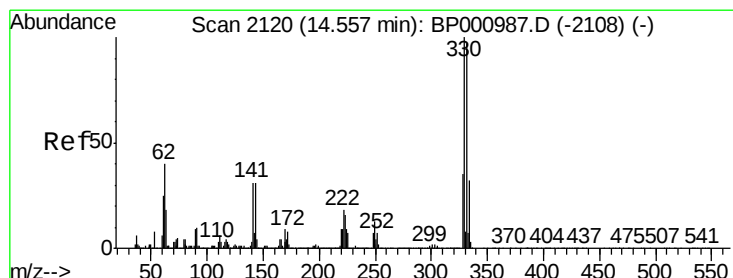
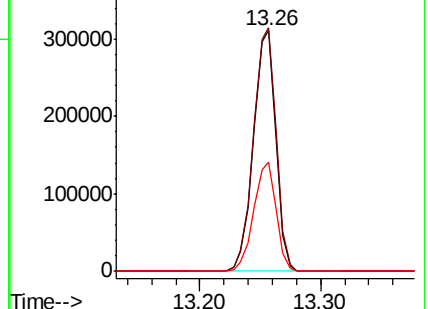
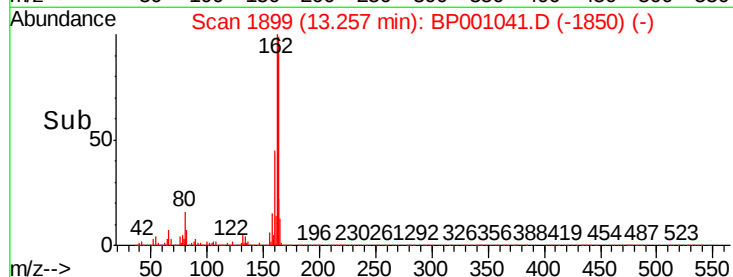
160 45.6 36.5 54.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 173.338 ng

RT: 14.55 min Scan# 2119

Delta R.T. -0.01 min

Lab File: BP001041.D

Acq: 15 Nov 2019 15:46

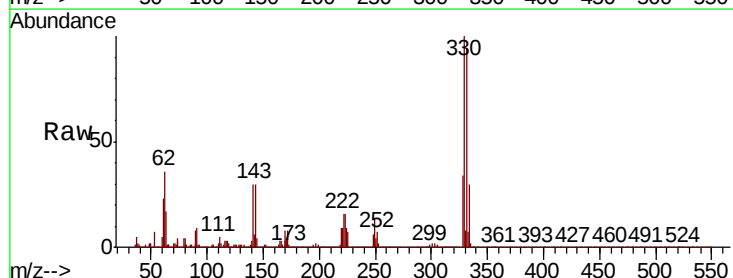
Tgt Ion:330 Resp: 828034

Ion Ratio Lower Upper

330 100

332 96.6 78.3 117.5

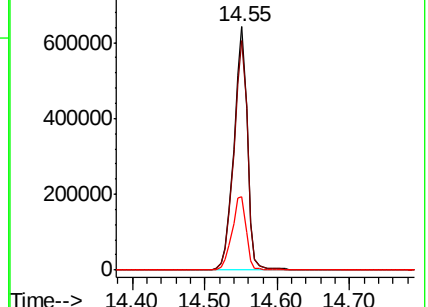
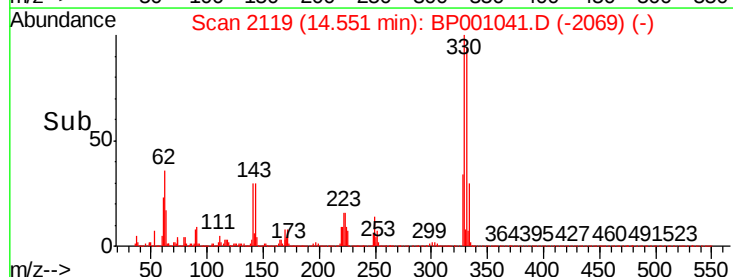
141 32.1 25.0 37.4

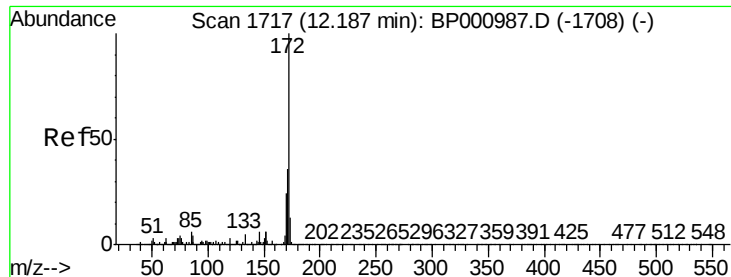


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

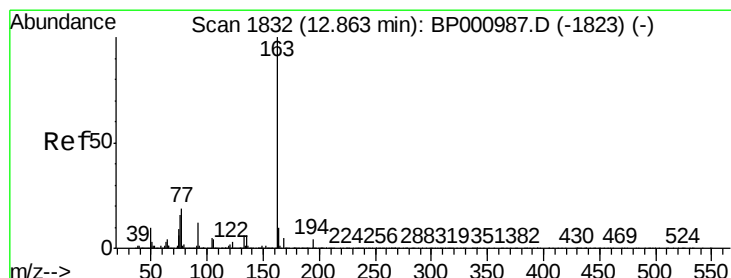
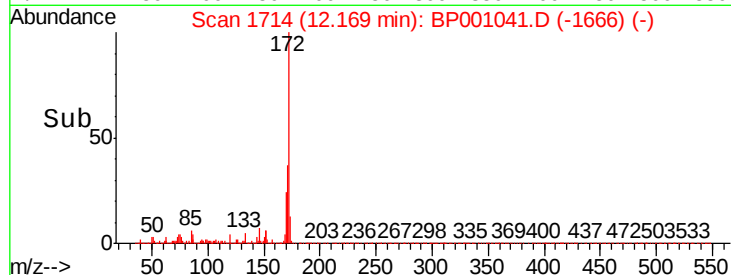
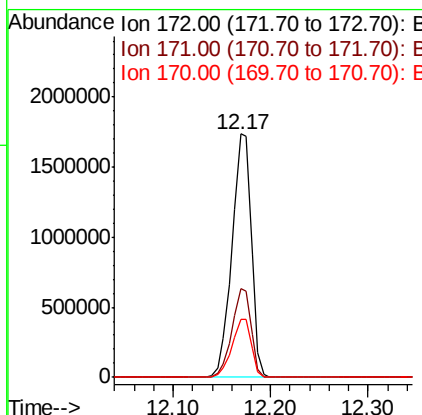
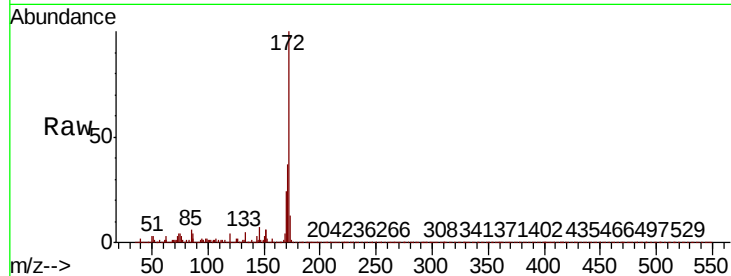




#45  
2-Fluorobiphenyl  
Concen: 89.960 ng  
RT: 12.17 min Scan# 1714  
Delta R.T. -0.02 min  
Lab File: BP001041.D  
Acq: 15 Nov 2019 15:46

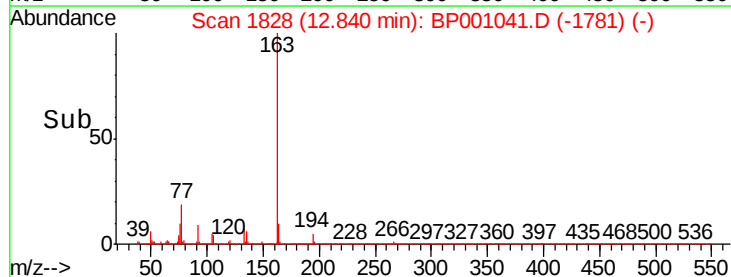
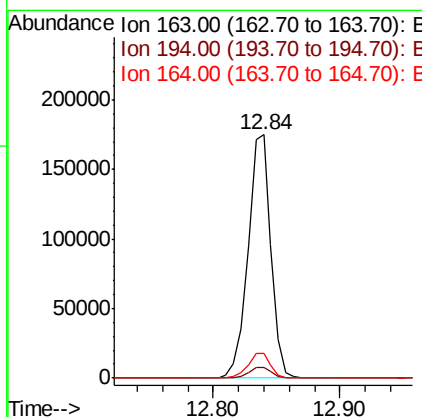
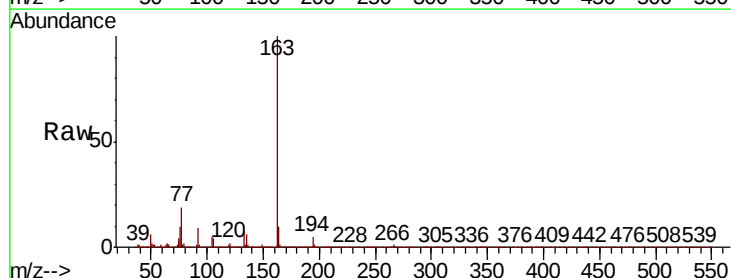
Instrument :  
BNA\_P  
ClientSampleId :

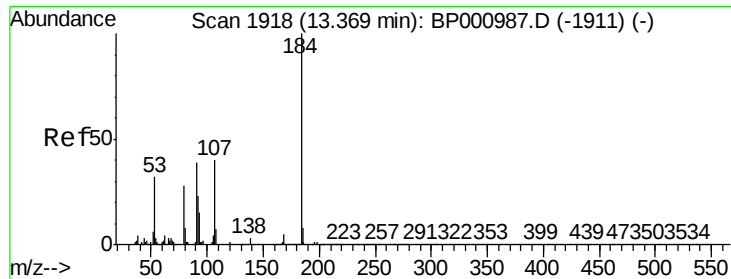
Tot Ion:172 Resp: 2390188  
Ion Ratio Lower Upper  
172 100  
171 36.7 28.5 42.7  
170 24.0 18.9 28.3



#50  
Dimethylphthalate  
Concen: 7.394 ng  
RT: 12.84 min Scan# 1828  
Delta R.T. -0.02 min  
Lab File: BP001041.D  
Acq: 15 Nov 2019 15:46

Tgt Ion:163 Resp: 218796  
Ion Ratio Lower Upper  
163 100  
194 4.6 3.4 5.2  
164 10.2 7.9 11.9

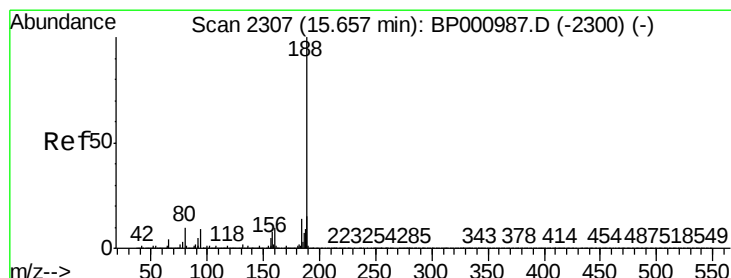
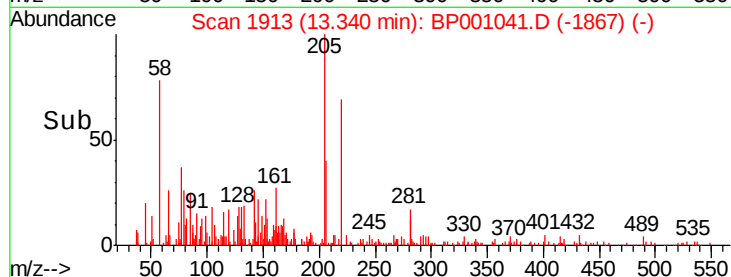
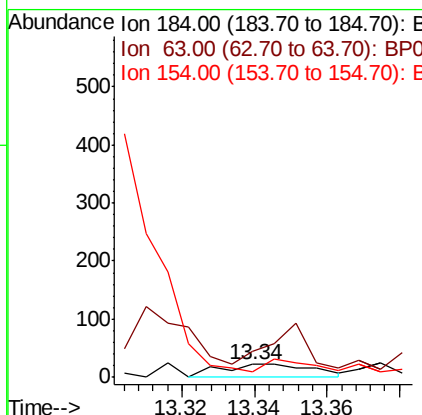
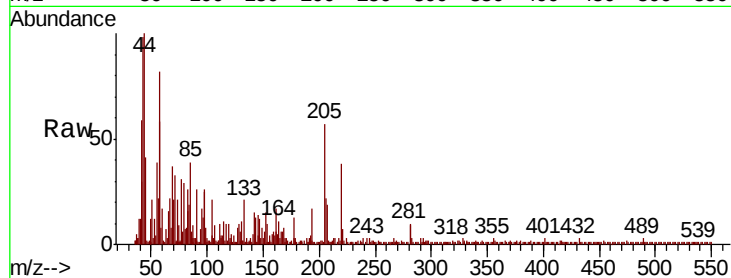




#54  
2,4-Dinitrophenol  
Concen: 8.326 ng  
RT: 13.34 min Scan# 1913  
Delta R.T. -0.03 min  
Lab File: BP001041.D  
Acq: 15 Nov 2019 15:46

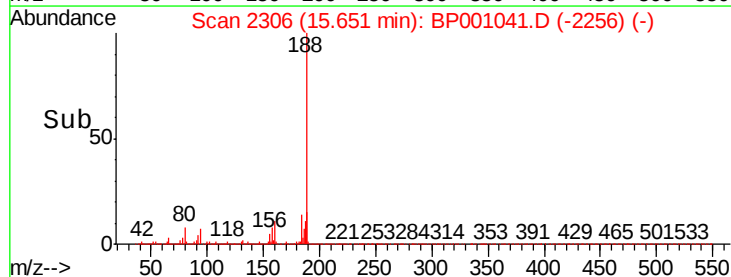
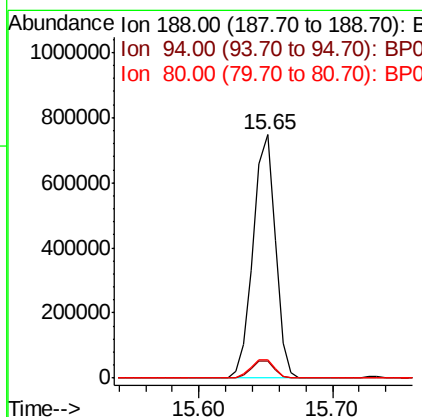
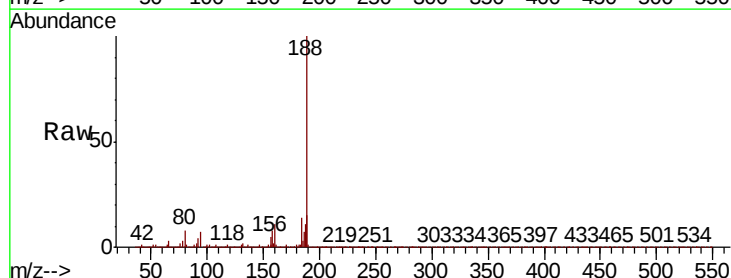
Instrument :  
BNA\_P  
ClientSampleId :

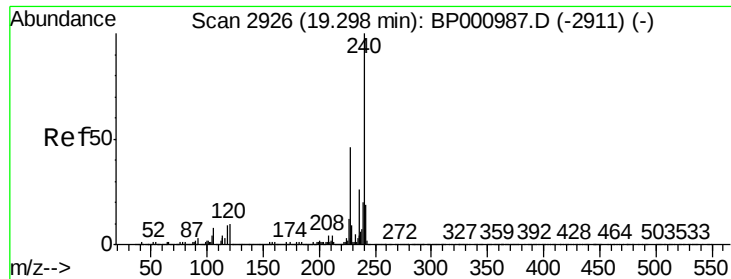
Tot Ion:184 Resp: 39  
Ion Ratio Lower Upper  
184 100  
63 150.0 41.0 61.6#  
154 60.0 48.1 72.1



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 15.65 min Scan# 2306  
Delta R.T. -0.01 min  
Lab File: BP001041.D  
Acq: 15 Nov 2019 15:46

Tgt Ion:188 Resp: 853824  
Ion Ratio Lower Upper  
188 100  
94 7.2 7.4 11.2#  
80 7.5 7.9 11.9#

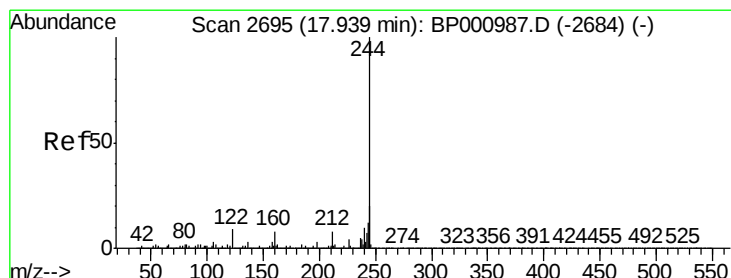
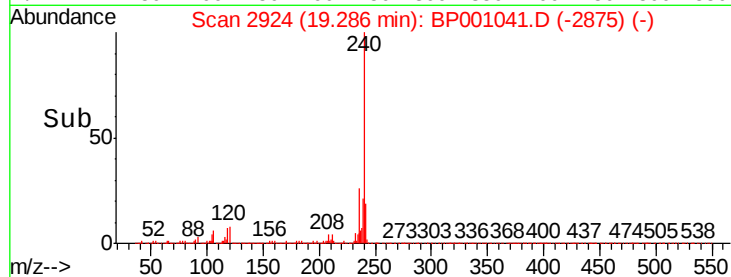
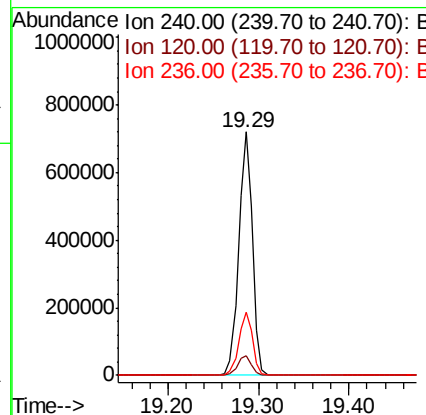
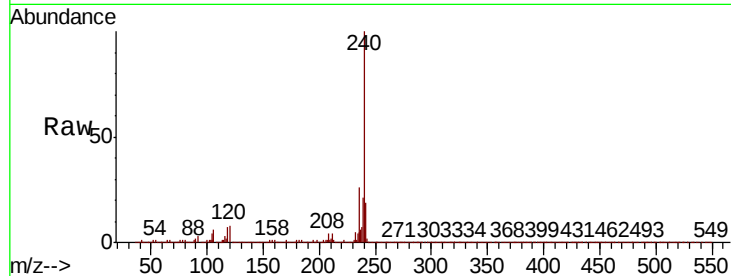




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 19.29 min Scan# 2924  
 Delta R.T. -0.01 min  
 Lab File: BP001041.D  
 Acq: 15 Nov 2019 15:46

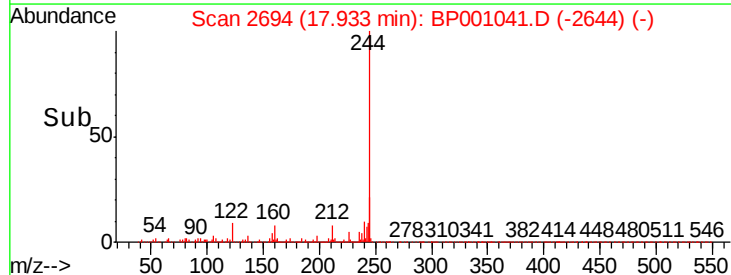
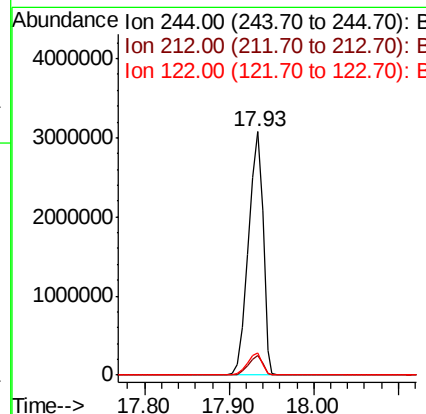
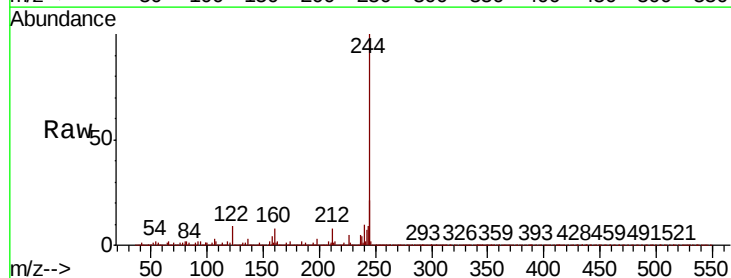
Instrument :  
 BNA\_P  
 ClientSampleID :

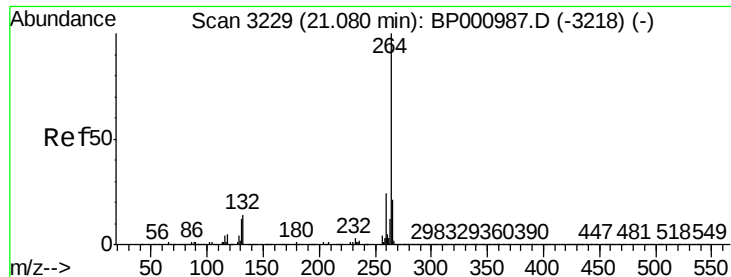
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 8.1   | 8.2   | 12.2# |
| 236     | 26.1  | 20.5  | 30.7  |



#79  
 Terphenyl-d14  
 Concen: 94.226 ng  
 RT: 17.93 min Scan# 2694  
 Delta R.T. -0.01 min  
 Lab File: BP001041.D  
 Acq: 15 Nov 2019 15:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.0   | 6.0   | 9.0   |
| 122     | 9.3   | 7.4   | 11.2  |

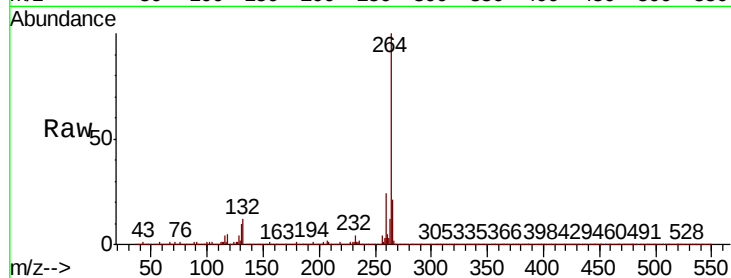




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 21.07 min Scan# 3227  
Delta R.T. -0.01 min  
Lab File: BP001041.D  
Acq: 15 Nov 2019 15:46

Instrument :  
BNA\_P  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 18.8  | 28.2  |
| 265     | 21.3  | 17.1  | 25.7  |



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

