

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081420\  
 Data File : BP002983.D  
 Acq On : 14 Aug 2020 14:13  
 Operator : CG/JU  
 Sample : L3648-07  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 BS-STOCK-4

Quant Time: Aug 17 04:39:09 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 11 17:14:14 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.69  | 152  | 348339   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.47 | 136  | 1362174  | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.33 | 164  | 745423   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.08 | 188  | 1485638  | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.17 | 240  | 1497713  | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.42 | 264  | 1643911  | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.30  | 112  | 1397077  | 61.38  | ng    | 0.00     |
| 7) Phenol-d6                | 6.86  | 99   | 1160020  | 36.71  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 8.83  | 82   | 1849655  | 73.55  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 15.82 | 330  | 1087952  | 117.43 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 12.95 | 172  | 4680964  | 85.80  | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.66 | 244  | 5795302  | 77.46  | ng    | -0.01    |

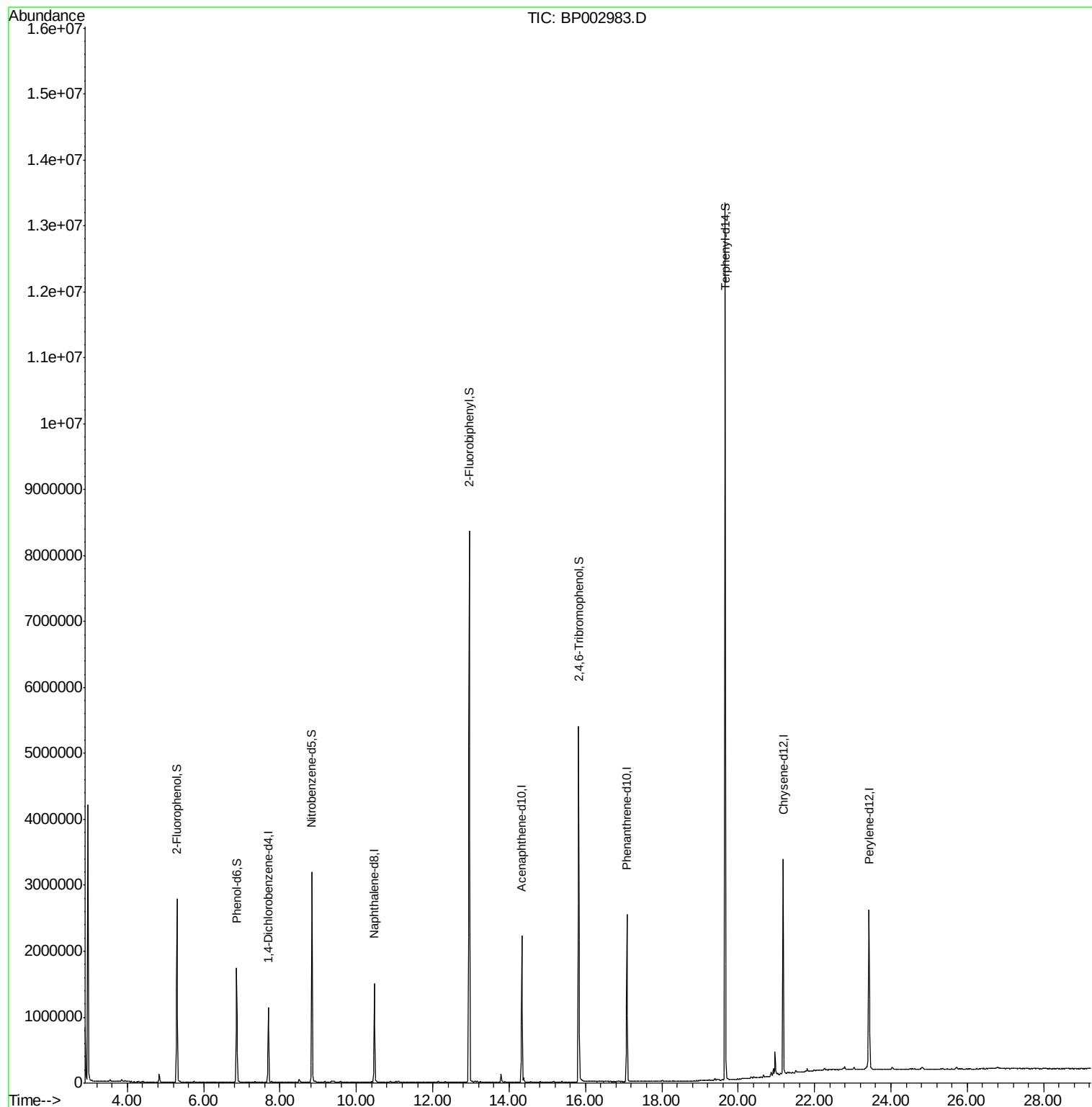
Target Compounds Qvalue

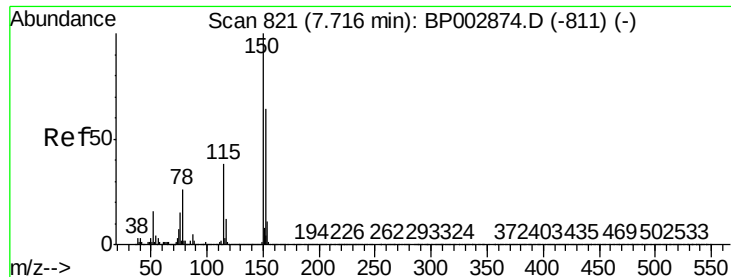
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 11 17:14:14 2020  
Response via : Initial Calibration



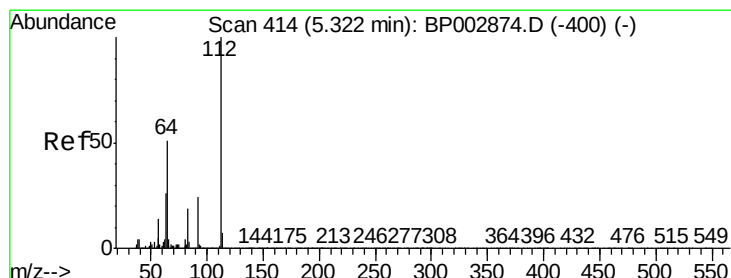
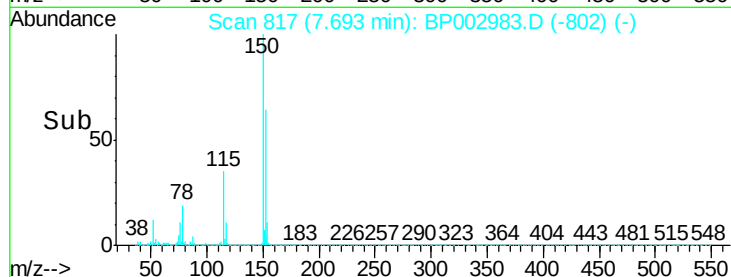
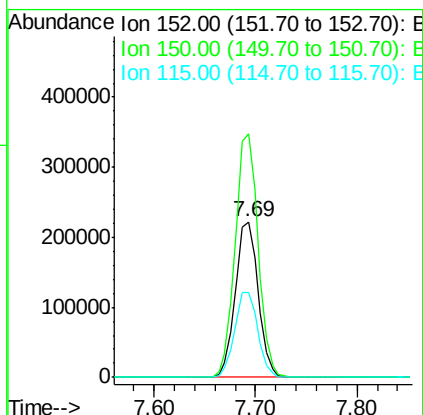
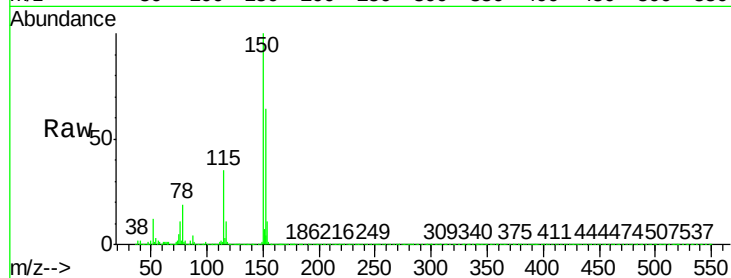


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.69 min Scan# 817  
Delta R.T. -0.01 min  
Lab File: BP002983.D  
Acq: 14 Aug 2020 14:13

Instrument :  
BNA\_P  
ClientSampleId :  
BS-STOCK-4

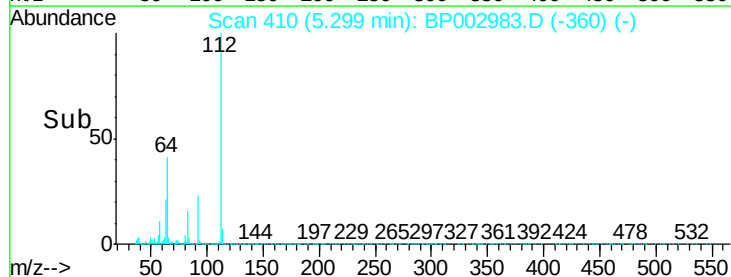
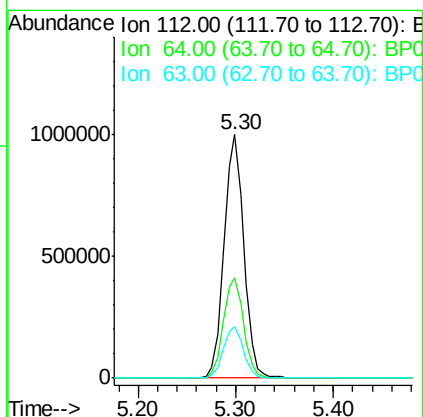
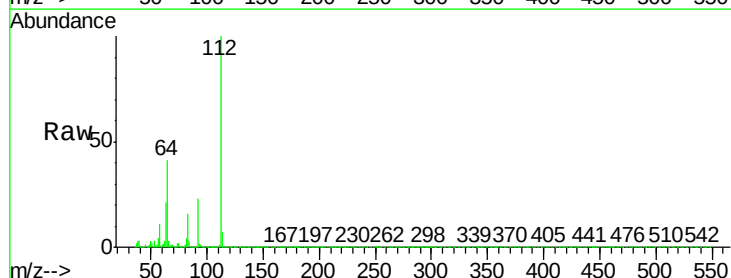
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.4 | 124.2 | 186.4 |
| 115     | 54.4  | 42.1  | 63.1  |

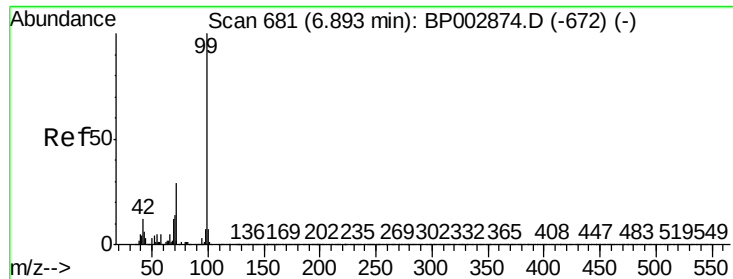


#5

2-Fluorophenol  
Concen: 61.383 ng  
RT: 5.30 min Scan# 410  
Delta R.T. -0.01 min  
Lab File: BP002983.D  
Acq: 14 Aug 2020 14:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 41.4  | 33.8  | 50.8  |
| 63      | 21.0  | 17.2  | 25.8  |





#7

Phenol-d6

Concen: 36.710 ng

RT: 6.86 min Scan# 676

Delta R.T. -0.02 min

Lab File: BP002983.D

Acq: 14 Aug 2020 14:13

Instrument :

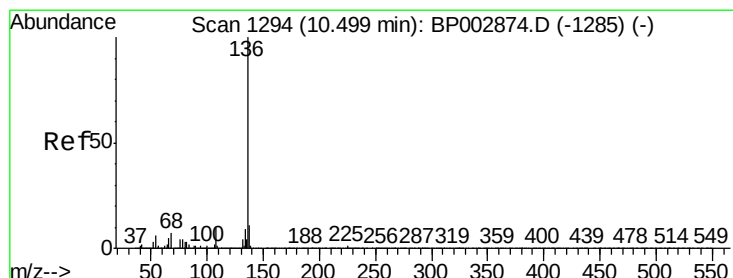
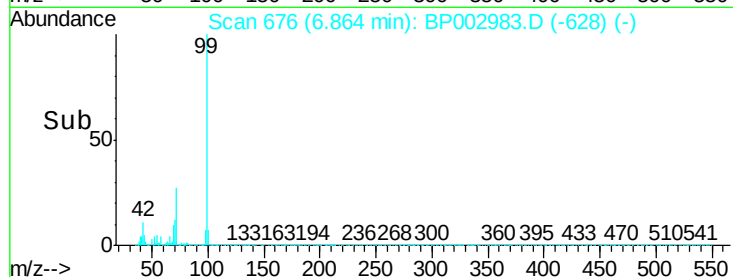
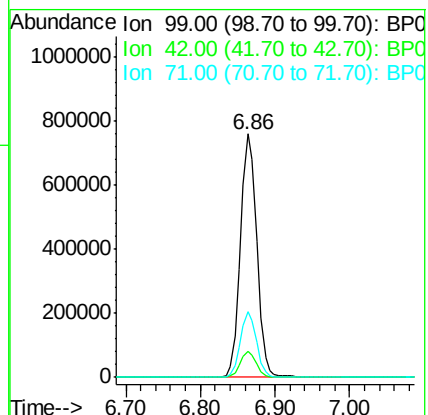
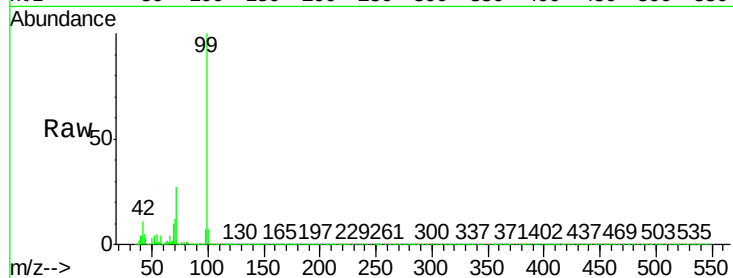
BNA\_P

ClientSampleId :

BS-STOCK-4

Tot Ion: 99 Resp: 1160020

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 10.5  | 8.1   | 12.1  |
| 71  | 27.0  | 21.0  | 31.4  |



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.47 min Scan# 1289

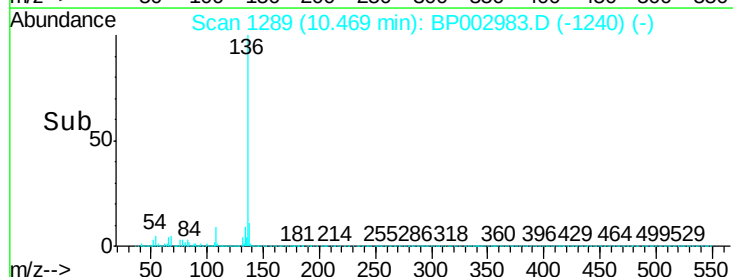
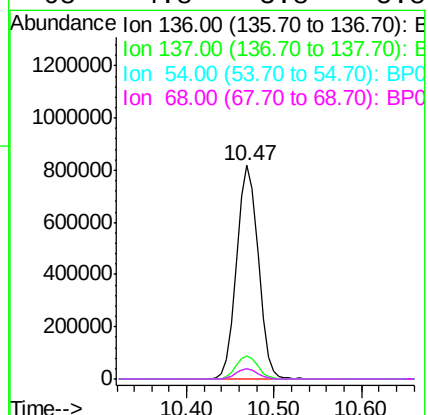
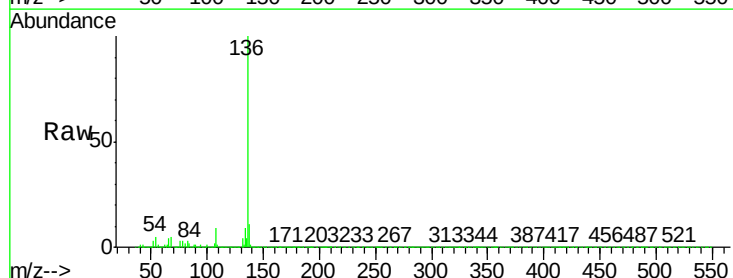
Delta R.T. -0.01 min

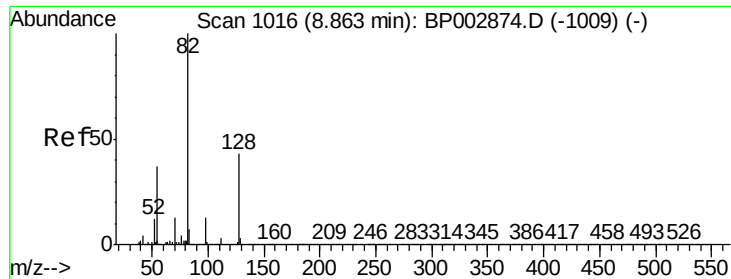
Lab File: BP002983.D

Acq: 14 Aug 2020 14:13

Tgt Ion: 136 Resp: 1362174

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 9.0   | 13.4  |
| 54  | 4.8   | 3.9   | 5.9   |
| 68  | 4.8   | 3.8   | 5.8   |

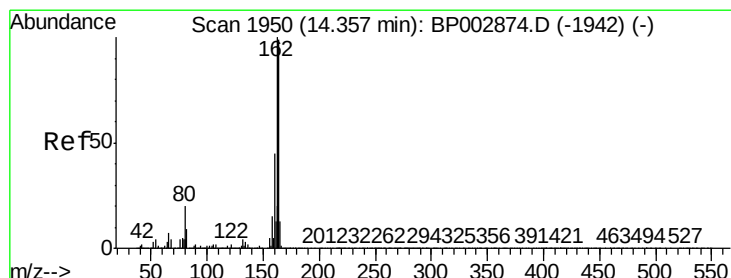
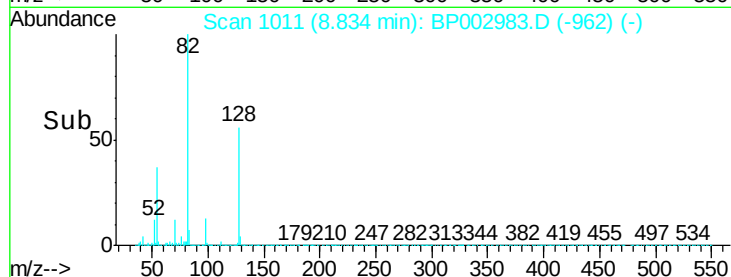
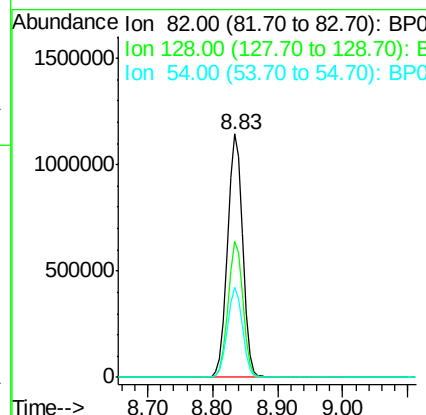
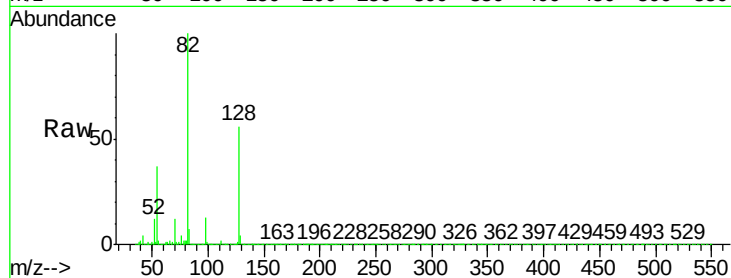




#23  
Nitrobenzene-d5  
Concen: 73.545 ng  
RT: 8.83 min Scan# 1011  
Delta R.T. -0.01 min  
Lab File: BP002983.D  
Acq: 14 Aug 2020 14:13

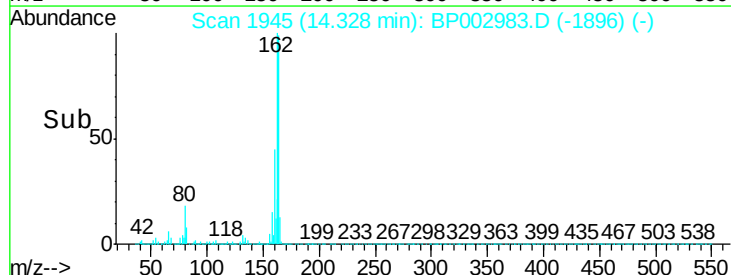
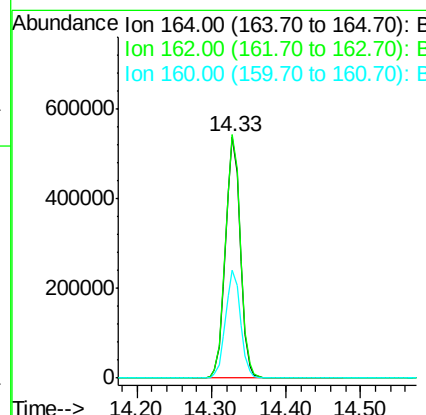
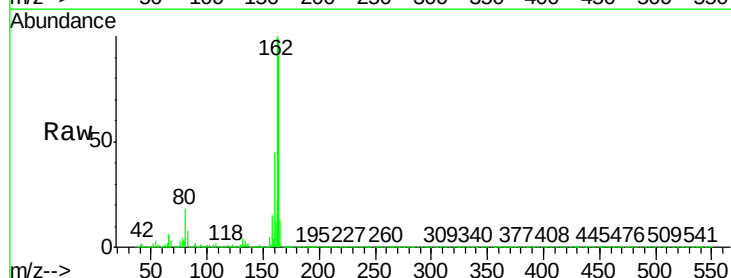
Instrument :  
BNA\_P  
ClientSampleId :  
BS-STOCK-4

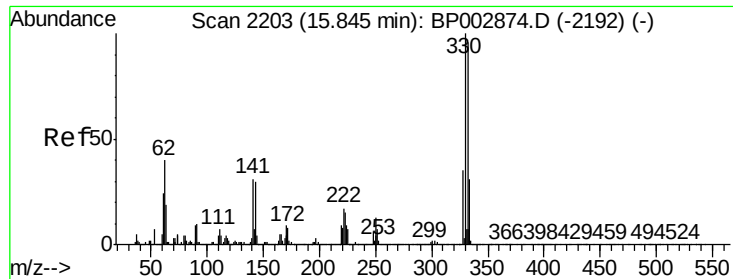
Tot Ion: 82 Resp: 1849655  
Ion Ratio Lower Upper  
82 100  
128 56.1 44.6 66.8  
54 36.8 29.2 43.8



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.33 min Scan# 1945  
Delta R.T. -0.01 min  
Lab File: BP002983.D  
Acq: 14 Aug 2020 14:13

Tgt Ion:164 Resp: 745423  
Ion Ratio Lower Upper  
164 100  
162 100.9 81.0 121.4  
160 44.9 36.2 54.4

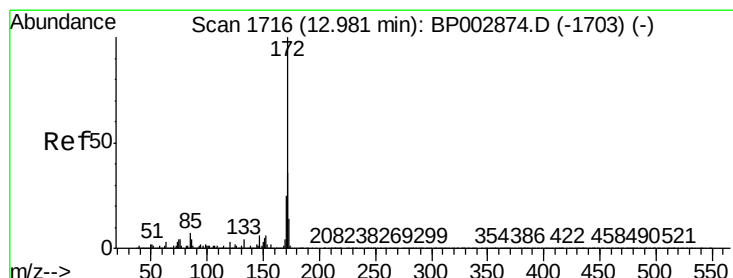
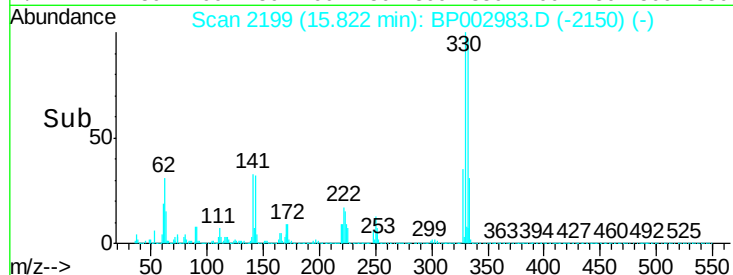
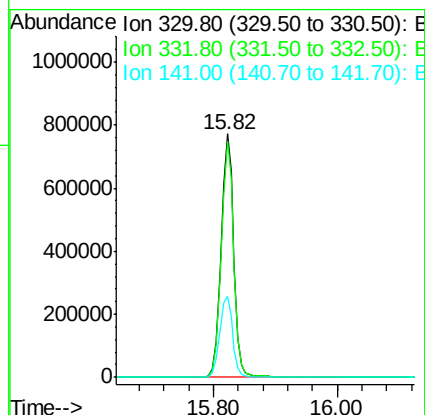
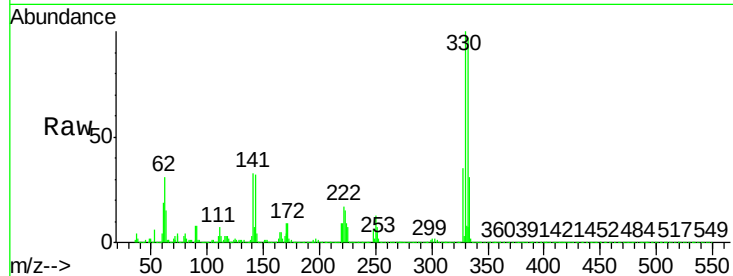




#42  
2,4,6-Tribromophenol  
Concen: 117.429 ng  
RT: 15.82 min Scan# 2199  
Delta R.T. -0.01 min  
Lab File: BP002983.D  
Acq: 14 Aug 2020 14:13

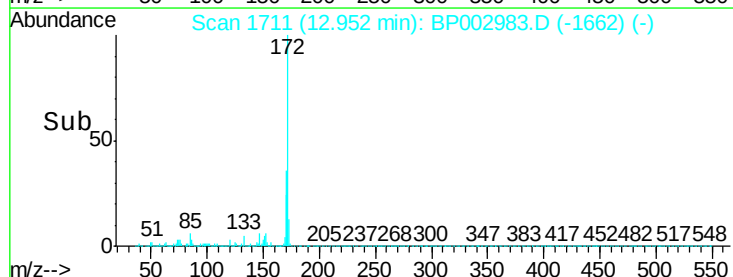
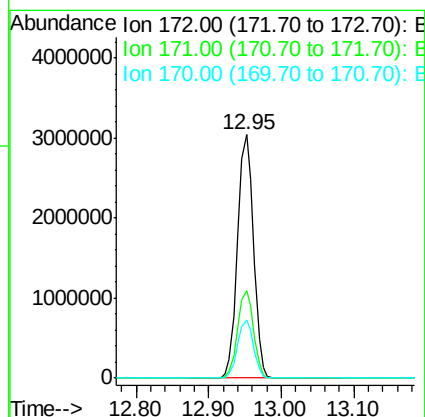
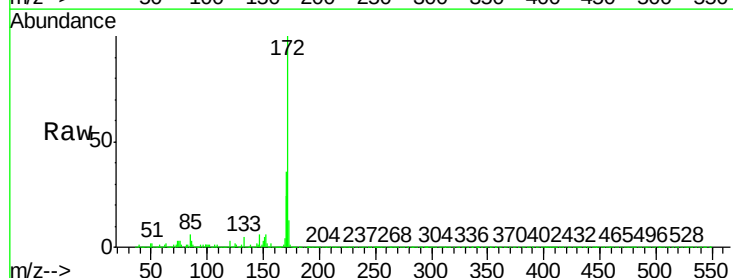
Instrument :  
BNA\_P  
ClientSampleId :  
BS-STOCK-4

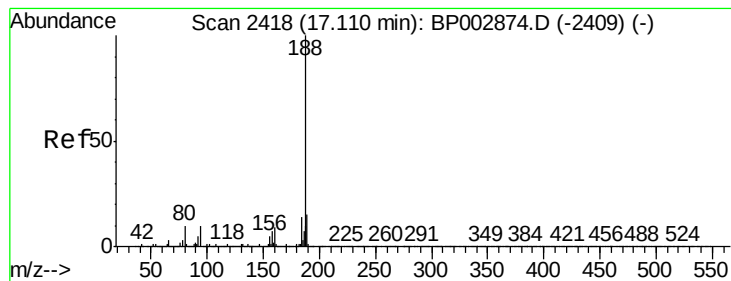
Tot Ion:330 Resp: 1087952  
Ion Ratio Lower Upper  
330 100  
332 96.4 77.0 115.4  
141 34.3 28.6 43.0



#45  
2-Fluorobiphenyl  
Concen: 85.798 ng  
RT: 12.95 min Scan# 1711  
Delta R.T. -0.01 min  
Lab File: BP002983.D  
Acq: 14 Aug 2020 14:13

Tgt Ion:172 Resp: 4680964  
Ion Ratio Lower Upper  
172 100  
171 35.8 29.6 44.4  
170 23.8 19.6 29.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.08 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BP002983.D

Acq: 14 Aug 2020 14:13

Instrument :

BNA\_P

ClientSampleId :

BS-STOCK-4

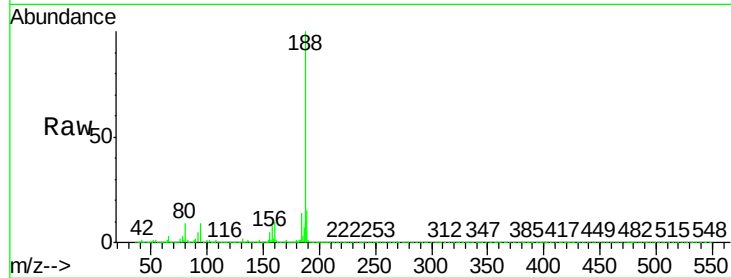
Tot Ion:188 Resp: 1485638

Ion Ratio Lower Upper

188 100

94 9.2 7.0 10.6

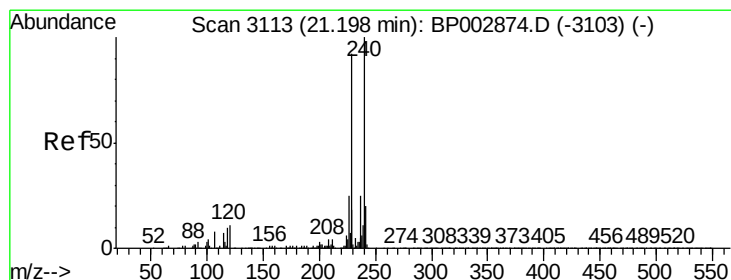
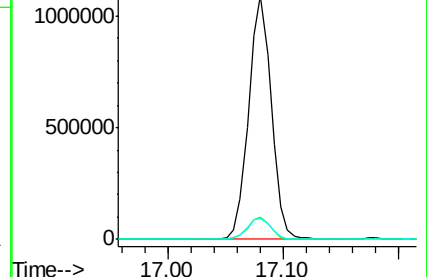
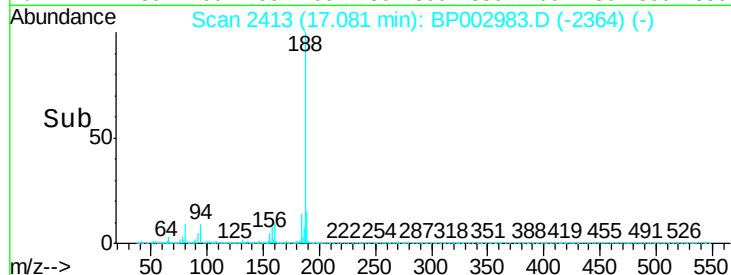
80 8.7 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BPO

Ion 80.00 (79.70 to 80.70): BPO



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.17 min Scan# 3109

Delta R.T. -0.01 min

Lab File: BP002983.D

Acq: 14 Aug 2020 14:13

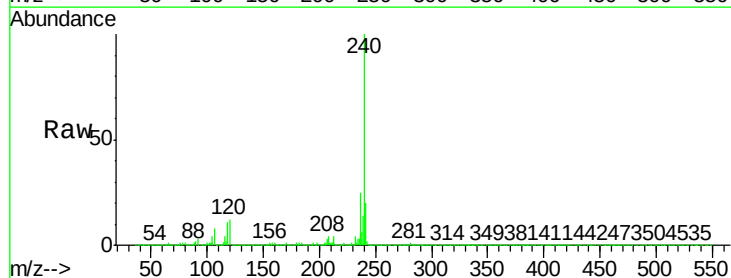
Tgt Ion:240 Resp: 1497713

Ion Ratio Lower Upper

240 100

120 11.8 10.6 16.0

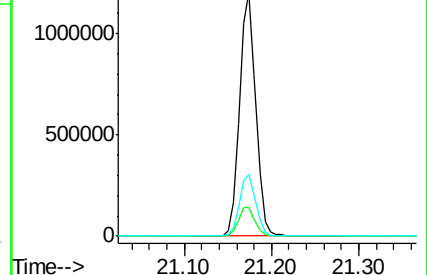
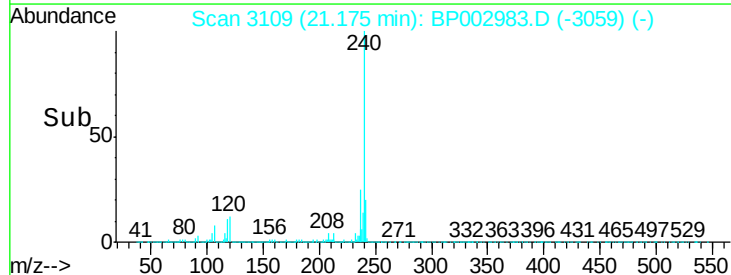
236 25.4 20.7 31.1

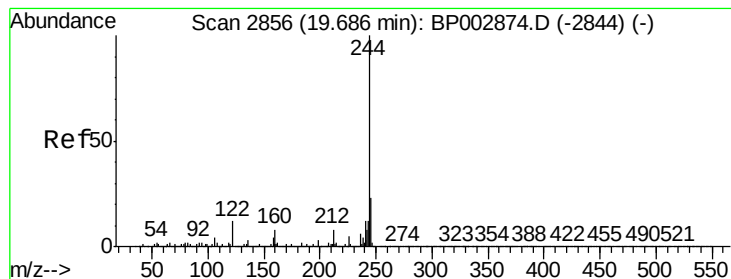


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 77.464 ng

RT: 19.66 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BP002983.D

Acq: 14 Aug 2020 14:13

Instrument :

BNA\_P

ClientSampleId :

BS-STOCK-4

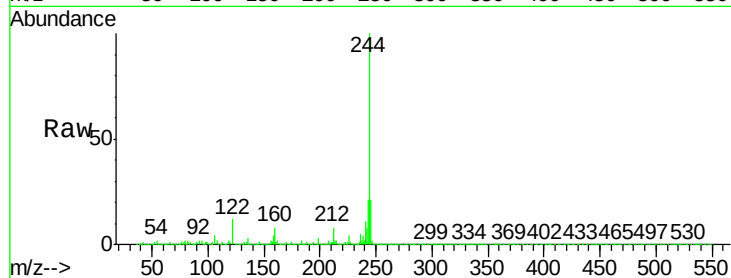
Tot Ion:244 Resp: 5795302

Ion Ratio Lower Upper

244 100

212 7.9 6.3 9.5

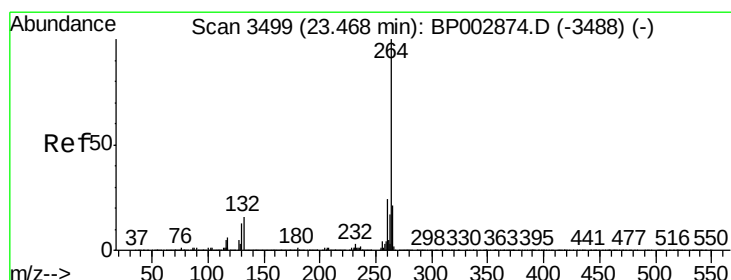
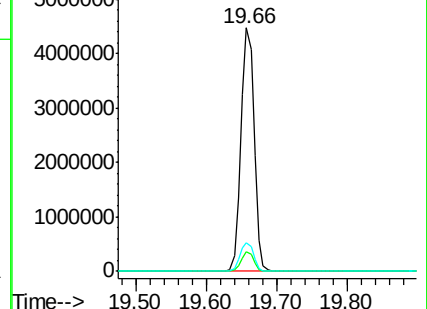
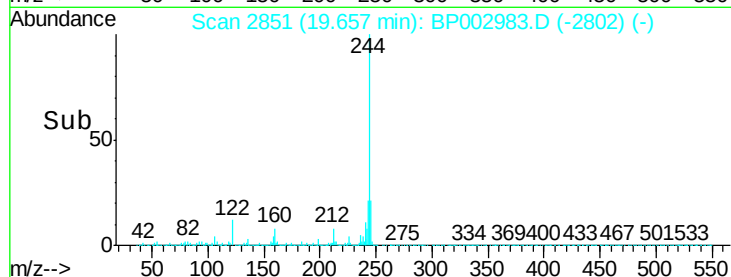
122 11.9 9.9 14.9



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.42 min Scan# 3491

Delta R.T. -0.01 min

Lab File: BP002983.D

Acq: 14 Aug 2020 14:13

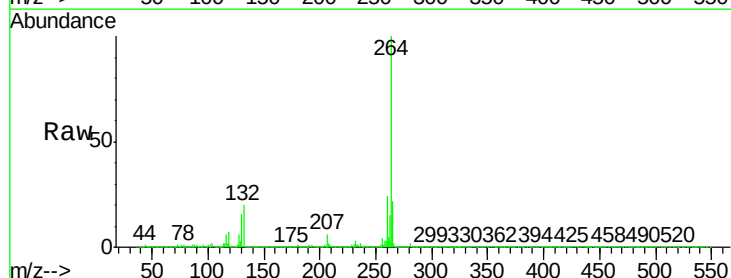
Tgt Ion:264 Resp: 1643911

Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 22.3 17.6 26.4



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

