

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120319\  
 Data File : BP001198.D  
 Acq On : 04 Dec 2019 14:04  
 Operator : JU  
 Sample : K6016-03  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 HP-627

Quant Time: Dec 04 14:53:03 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 27 17:38:46 2019  
 Response via : Initial Calibration

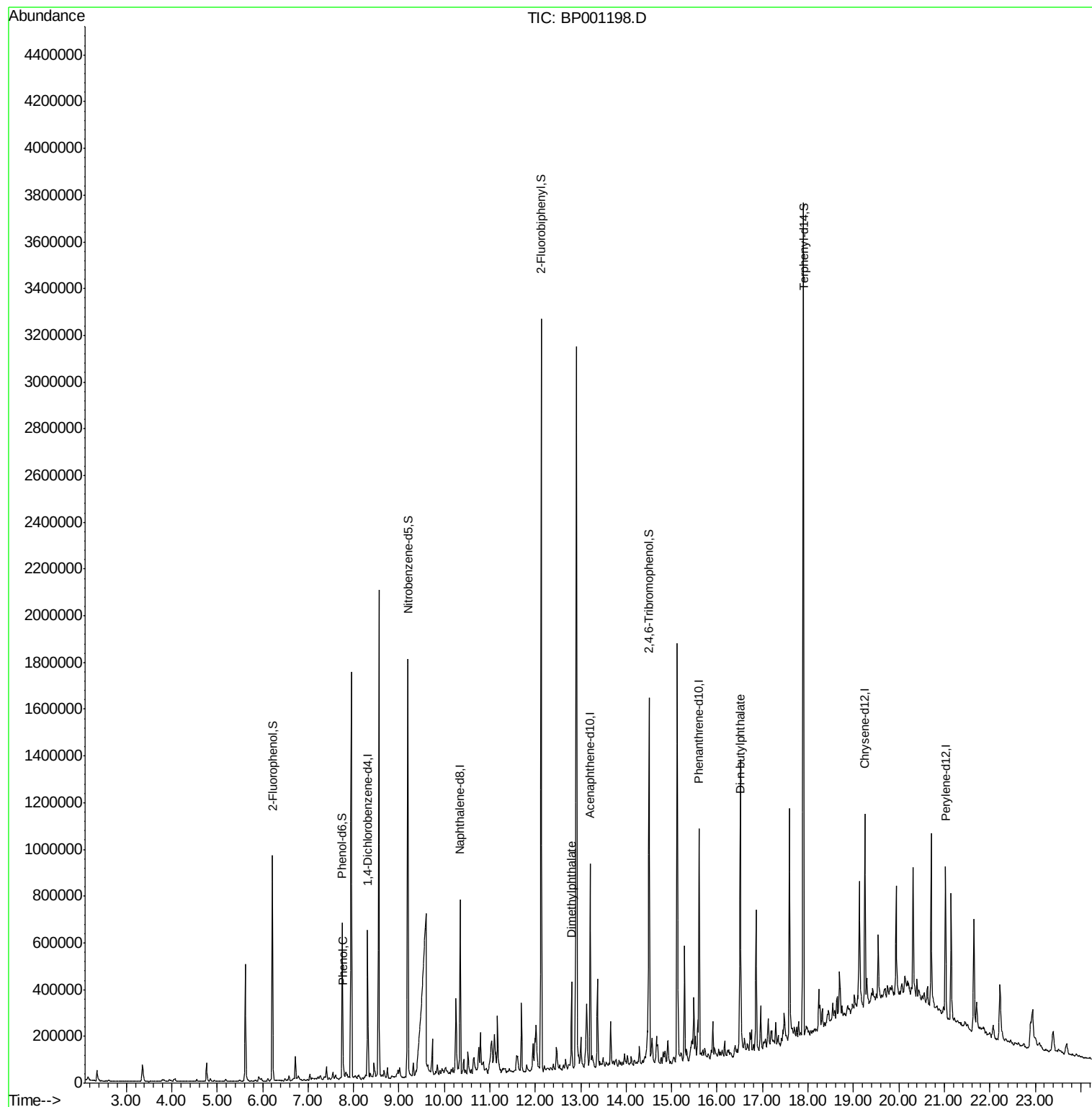
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.31  | 152  | 106203   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.35 | 136  | 371771   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 13.21 | 164  | 207248   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 15.60 | 188  | 388966   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 19.25 | 240  | 300751   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 21.03 | 264  | 321218   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.22  | 112  | 290522   | 45.38  | ng    | -0.01    |
| 7) Phenol-d6                | 7.75  | 99   | 239261   | 28.06  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.19  | 82   | 764635   | 89.23  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 14.50 | 330  | 206041   | 103.72 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 12.13 | 172  | 1232114  | 87.01  | ng    | -0.02    |
| 79) Terphenyl-d14           | 17.90 | 244  | 1407491  | 86.58  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.77  | 94   | 20984    | 2.163  | ng    | 94       |
| 50) Dimethylphthalate       | 12.80 | 163  | 110672   | 7.140  | ng    | 100      |
| 74) Di-n-butylphthalate     | 16.52 | 149  | 93859    | 3.806  | ng    | 99       |

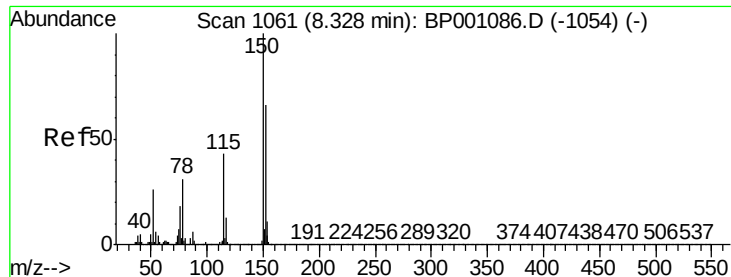
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120319\  
Data File : BP001198.D  
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Misc :  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
HP-627

Quant Time: Dec 04 14:53:03 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Nov 27 17:38:46 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.31 min Scan# 1058

Delta R.T. -0.02 min

Lab File: BP001198.D

Acq: 04 Dec 2019 14:04

Instrument :

BNA\_P

ClientSampleId :

HP-627

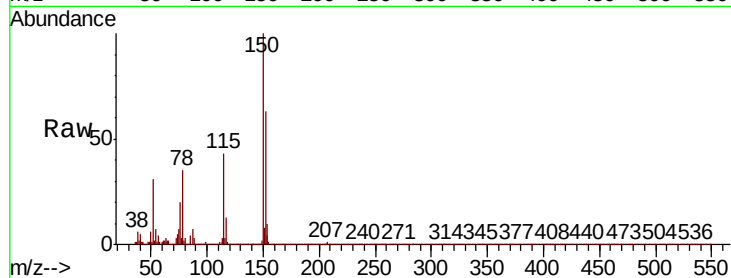
Tot Ion:152 Resp: 106203

Ion Ratio Lower Upper

152 100

150 158.6 120.6 181.0

115 68.9 51.6 77.4

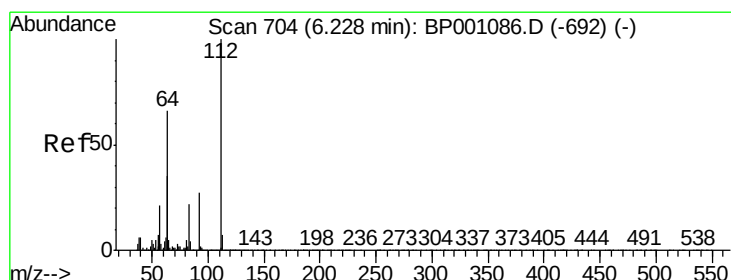
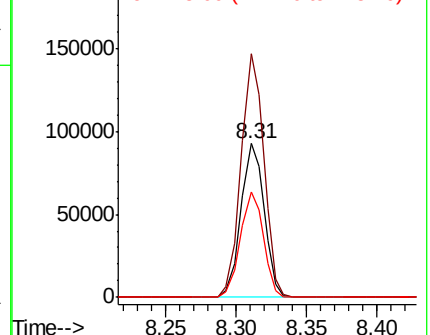
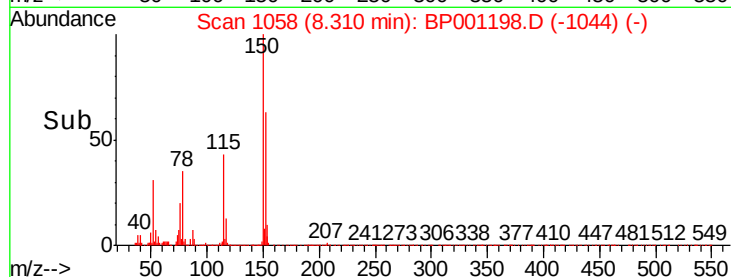


Abundance

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: 45.385 ng

RT: 6.22 min Scan# 702

Delta R.T. -0.01 min

Lab File: BP001198.D

Acq: 04 Dec 2019 14:04

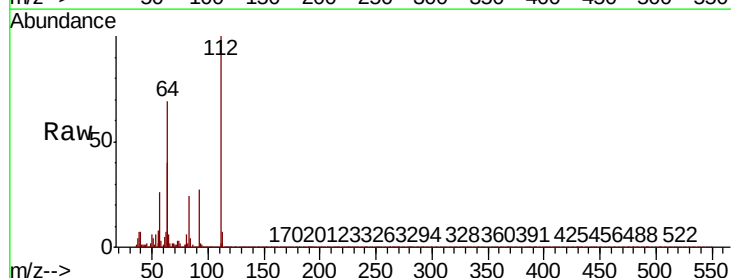
Tgt Ion:112 Resp: 290522

Ion Ratio Lower Upper

112 100

64 68.8 52.8 79.2

63 39.8 28.2 42.2

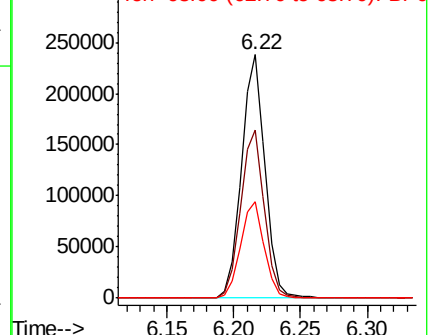
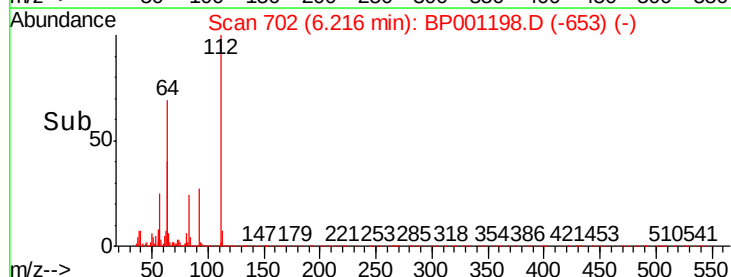


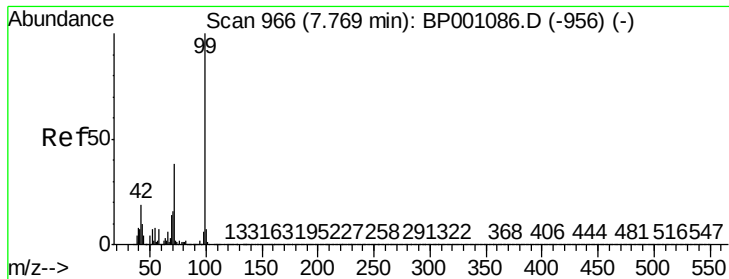
Abundance

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: 28.056 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.02 min

Lab File: BP001198.D

Acq: 04 Dec 2019 14:04

Instrument :

BNA\_P

ClientSampled :

HP-627

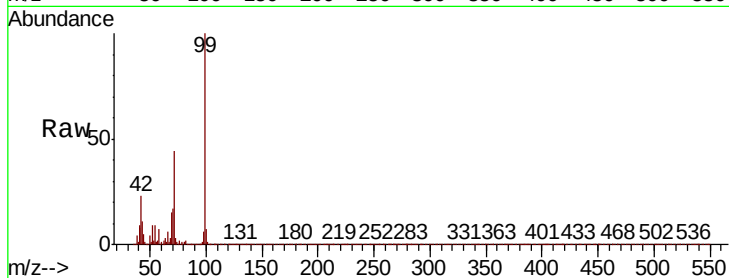
Tot Ion: 99 Resp: 239261

Ion Ratio Lower Upper

99 100

42 22.6 15.4 23.0

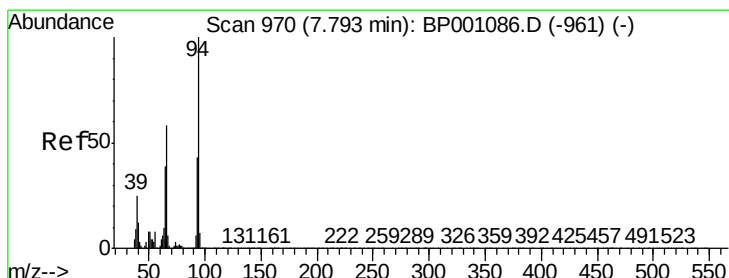
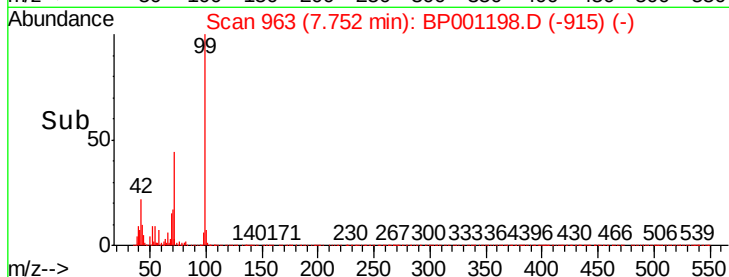
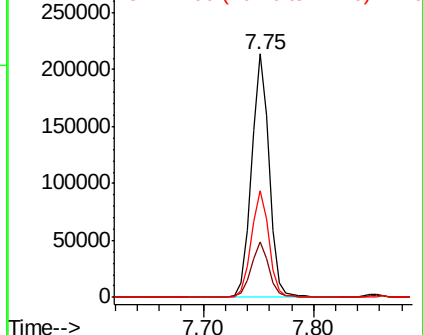
71 44.0 30.8 46.2



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: 2.163 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.02 min

Lab File: BP001198.D

Acq: 04 Dec 2019 14:04

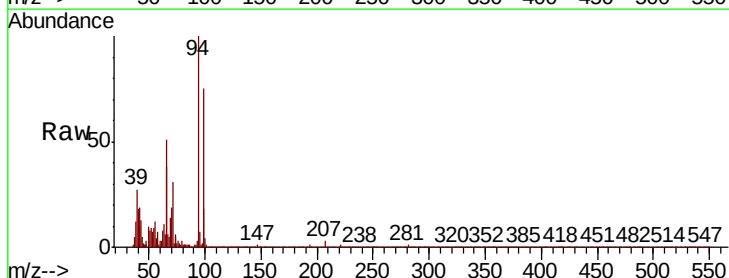
Tgt Ion: 94 Resp: 20984

Ion Ratio Lower Upper

94 100

65 37.9 18.6 58.6

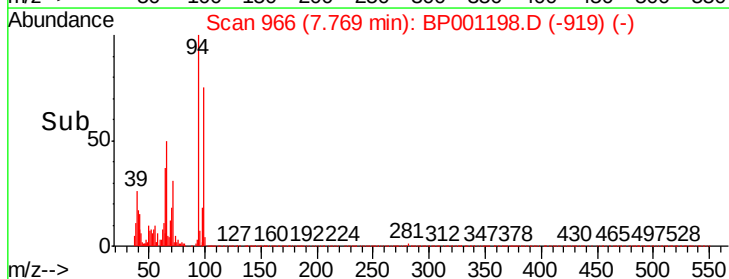
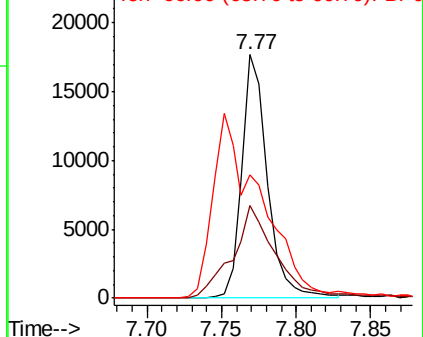
66 50.5 37.6 77.6

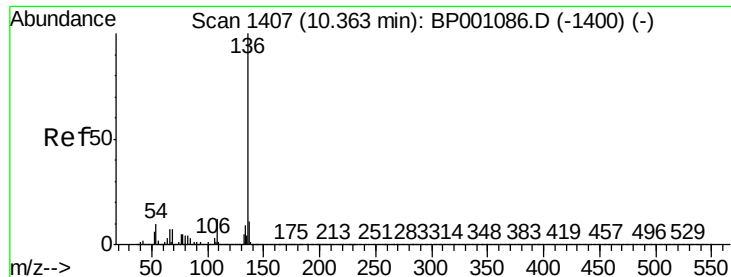


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

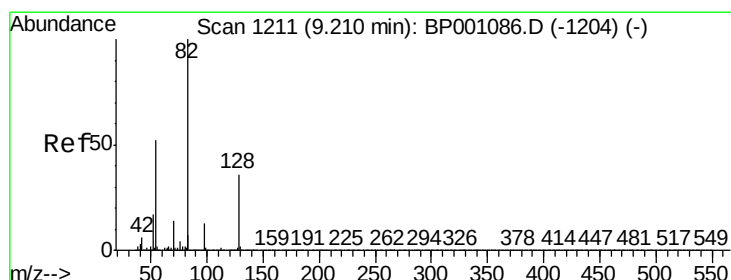
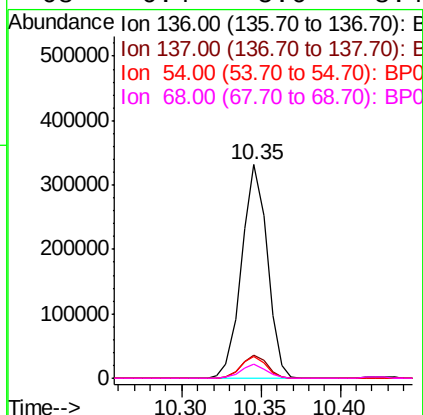
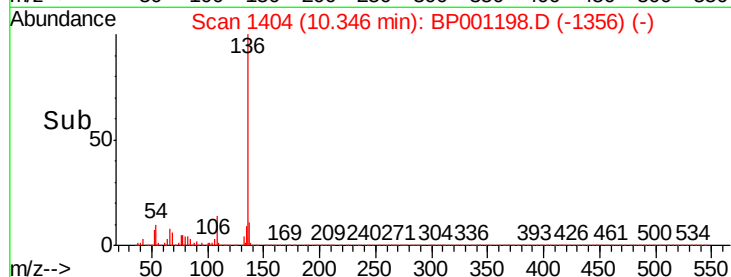
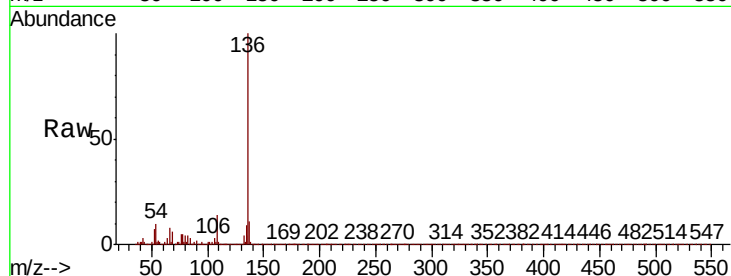




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.35 min Scan# 1404  
Delta R.T. -0.02 min  
Lab File: BP001198.D  
Acq: 04 Dec 2019 14:04

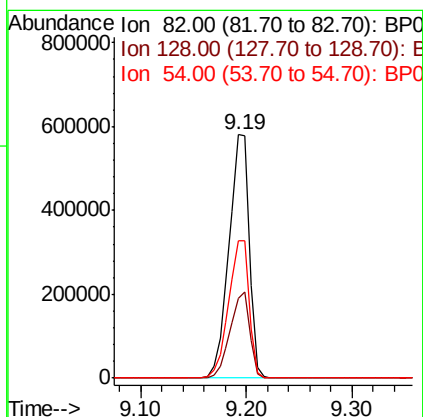
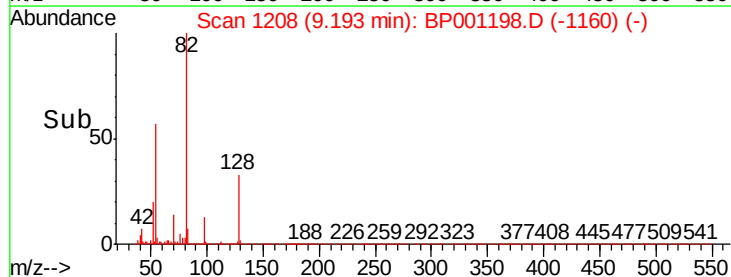
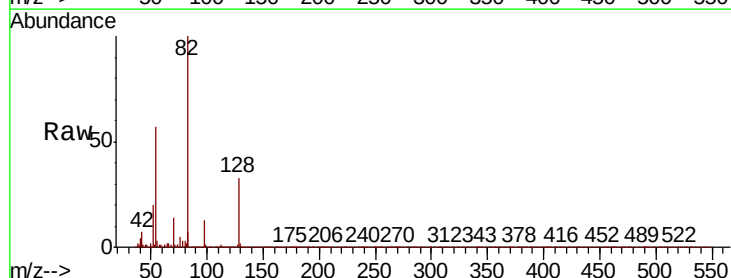
Instrument :  
BNA\_P  
ClientSampleId :  
HP-627

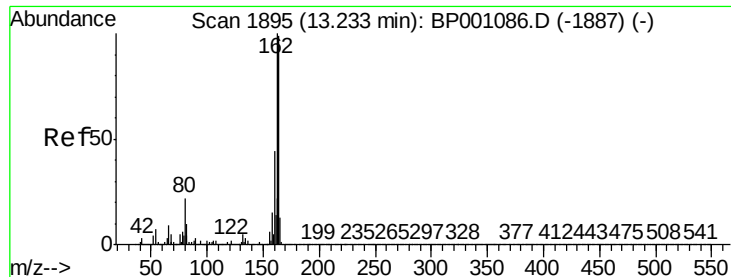
|             |       |        |  |
|-------------|-------|--------|--|
| Tot Ion:136 | Resp: | 371771 |  |
| Ion Ratio   | Lower | Upper  |  |
| 136 100     |       |        |  |
| 137 10.7    | 8.8   | 13.2   |  |
| 54 10.3     | 7.9   | 11.9   |  |
| 68 6.4      | 5.6   | 8.4    |  |



#23  
Nitrobenzene-d5  
Concen: 89.233 ng  
RT: 9.19 min Scan# 1208  
Delta R.T. -0.02 min  
Lab File: BP001198.D  
Acq: 04 Dec 2019 14:04

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 82 | Resp: | 764635 |
| Ion | Ratio   | Lower | Upper  |
| 82  | 100     |       |        |
| 128 | 32.7    | 28.9  | 43.3   |
| 54  | 56.5    | 41.9  | 62.9   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.21 min Scan# 1891

Delta R.T. -0.02 min

Lab File: BP001198.D

Acq: 04 Dec 2019 14:04

Instrument :

BNA\_P

ClientSampleId :

HP-627

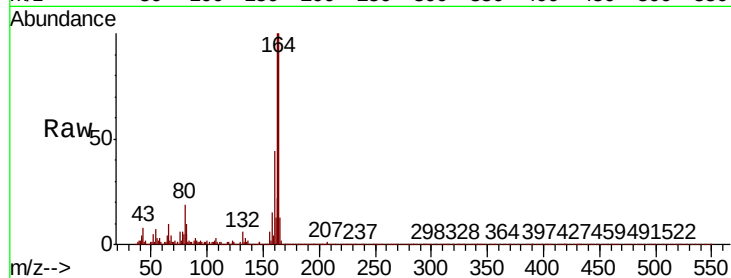
Tot Ion:164 Resp: 207248

Ion Ratio Lower Upper

164 100

162 99.6 80.6 120.8

160 44.4 35.4 53.2

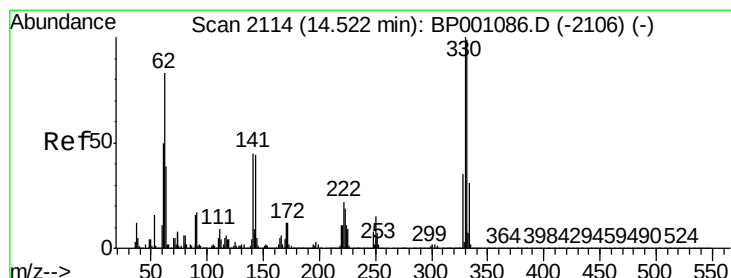
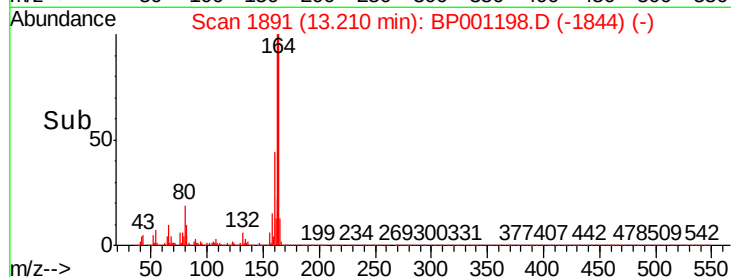
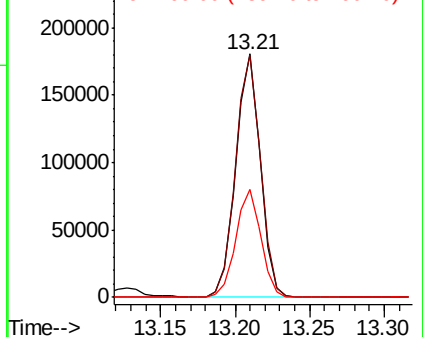


Abundance

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: 103.722 ng

RT: 14.50 min Scan# 2111

Delta R.T. -0.02 min

Lab File: BP001198.D

Acq: 04 Dec 2019 14:04

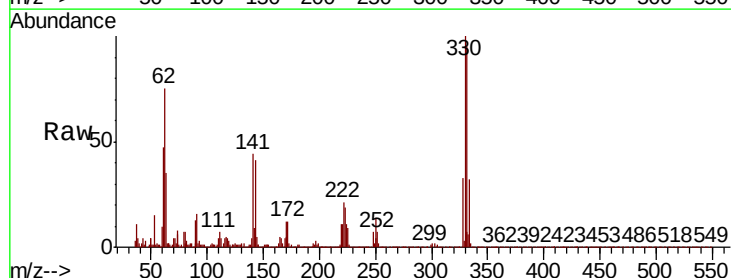
Tgt Ion:330 Resp: 206041

Ion Ratio Lower Upper

330 100

332 96.6 77.6 116.4

141 46.0 34.2 51.2

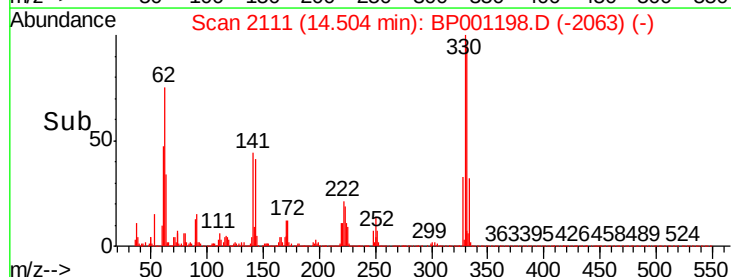
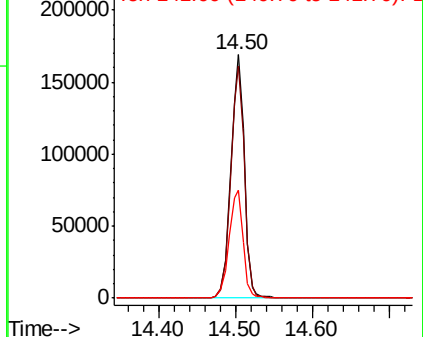


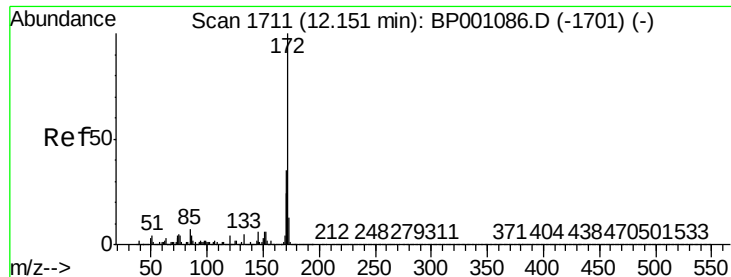
Abundance

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

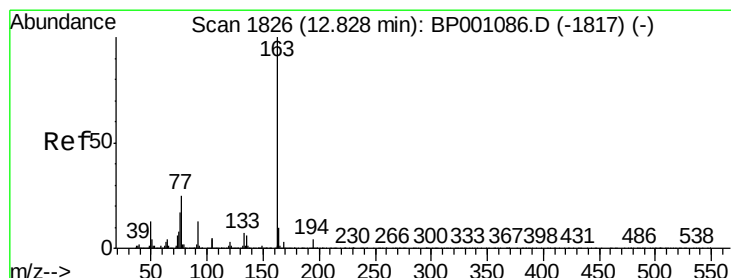
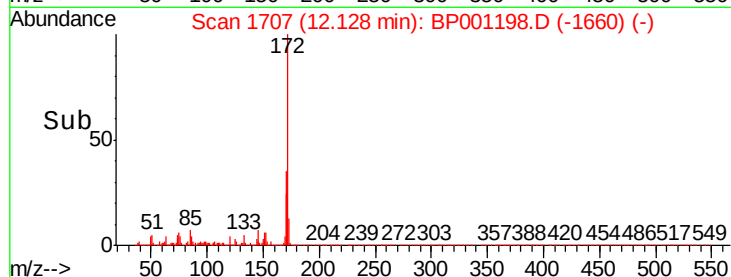
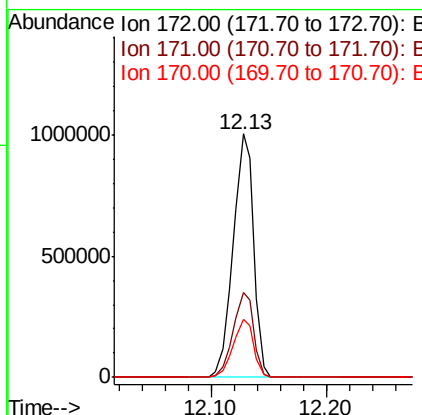
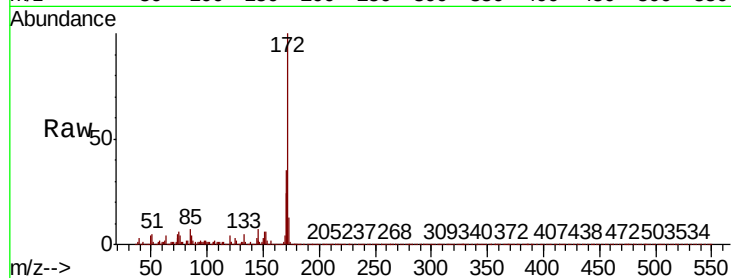




#45  
2-Fluorobiphenyl  
Concen: 87.011 ng  
RT: 12.13 min Scan# 1707  
Delta R.T. -0.02 min  
Lab File: BP001198.D  
Acq: 04 Dec 2019 14:04

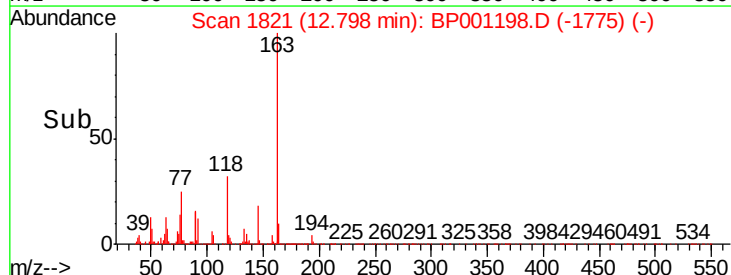
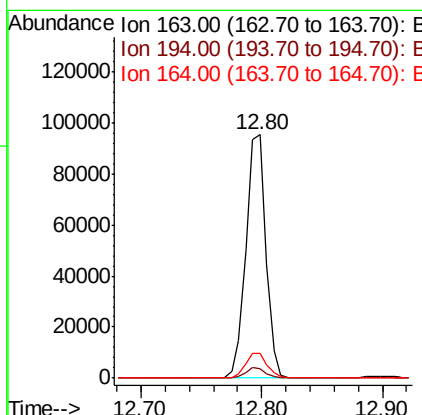
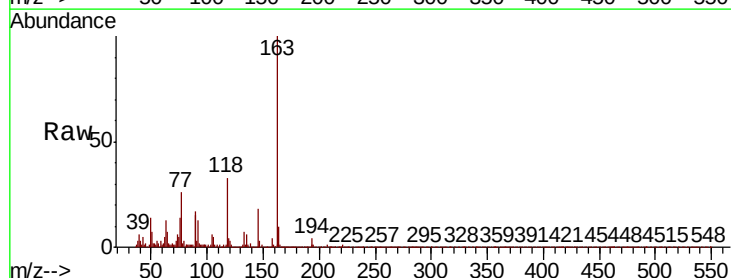
Instrument :  
BNA\_P  
ClientSampleId :  
HP-627

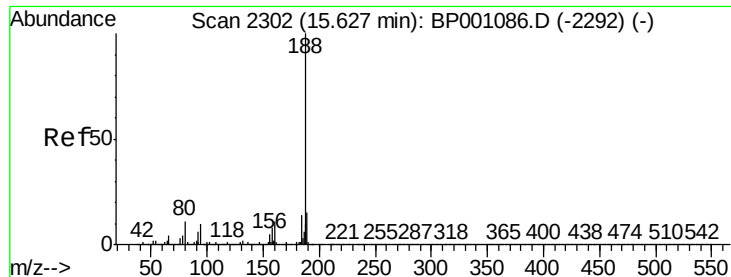
Tot Ion:172 Resp: 1232114  
Ion Ratio Lower Upper  
172 100  
171 35.0 27.9 41.9  
170 23.7 19.0 28.4



#50  
Dimethylphthalate  
Concen: 7.140 ng  
RT: 12.80 min Scan# 1821  
Delta R.T. -0.03 min  
Lab File: BP001198.D  
Acq: 04 Dec 2019 14:04

Tgt Ion:163 Resp: 110672  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.1 4.7  
164 10.0 8.1 12.1

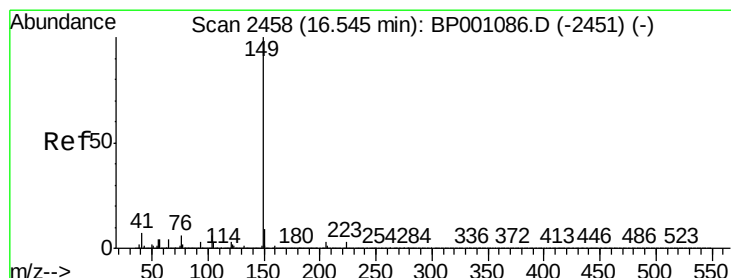
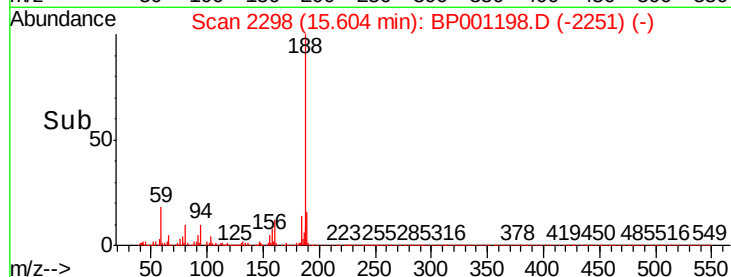
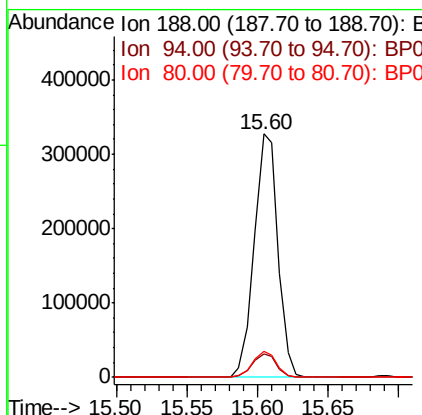
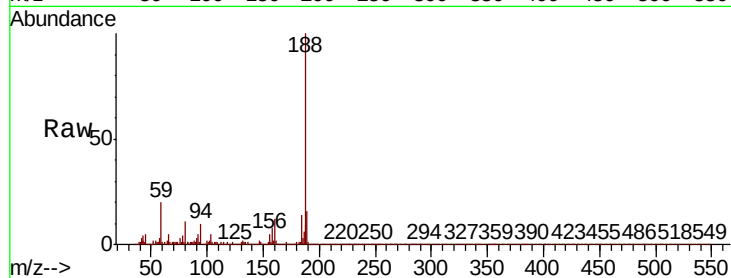




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 15.60 min Scan# 2298  
Delta R.T. -0.02 min  
Lab File: BP001198.D  
Acq: 04 Dec 2019 14:04

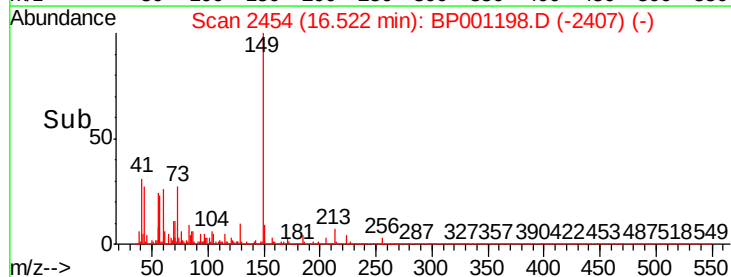
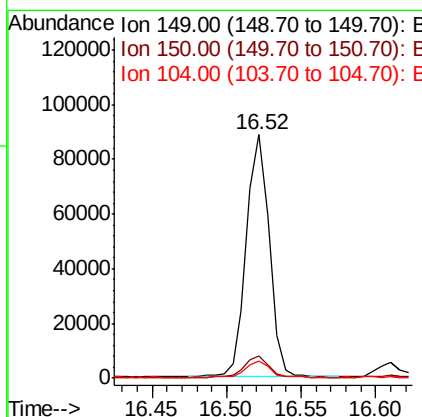
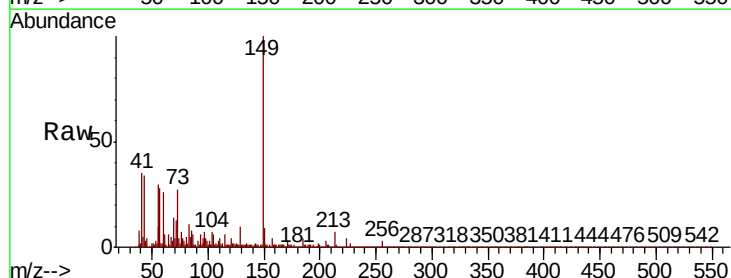
Instrument :  
BNA\_P  
ClientSampleId :  
HP-627

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.8   | 7.9   | 11.9  |
| 80      | 10.6  | 8.8   | 13.2  |

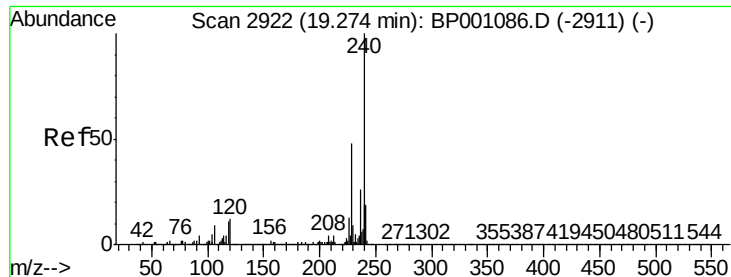


#74  
Di-n-butylphthalate  
Concen: 3.806 ng  
RT: 16.52 min Scan# 2454  
Delta R.T. -0.02 min  
Lab File: BP001198.D  
Acq: 04 Dec 2019 14:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.3   | 7.4   | 11.2  |
| 104     | 6.8   | 4.6   | 6.8   |



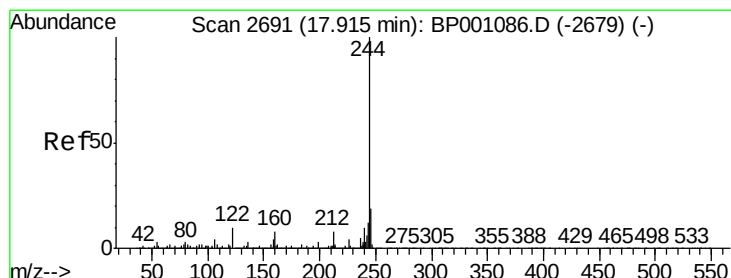
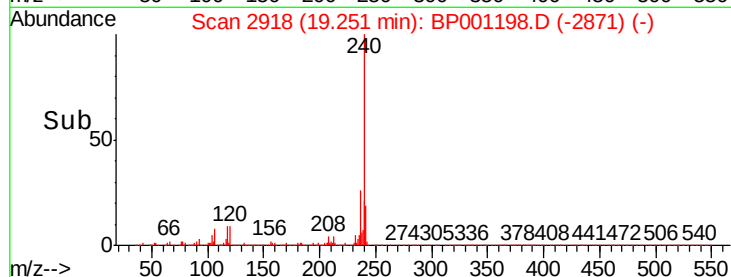
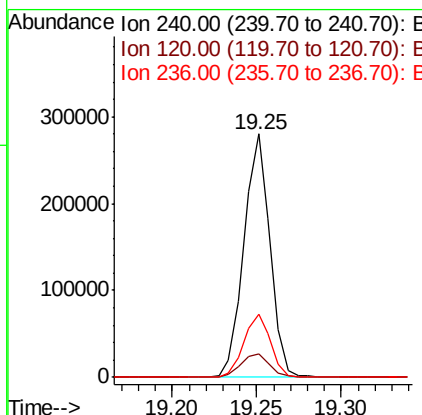
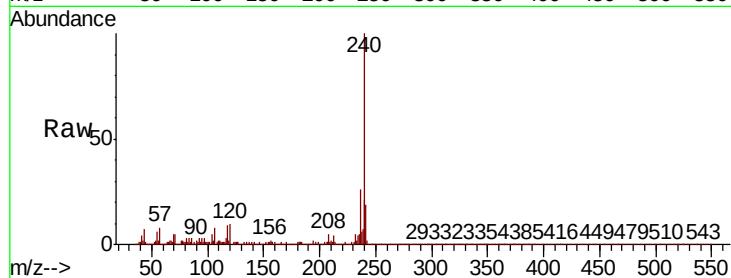




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 19.25 min Scan# 2918  
Delta R.T. -0.02 min  
Lab File: BP001198.D  
Acq: 04 Dec 2019 14:04

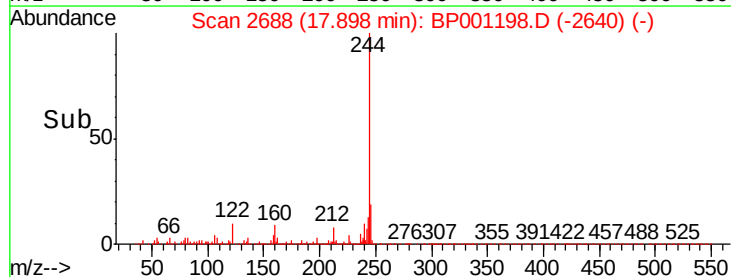
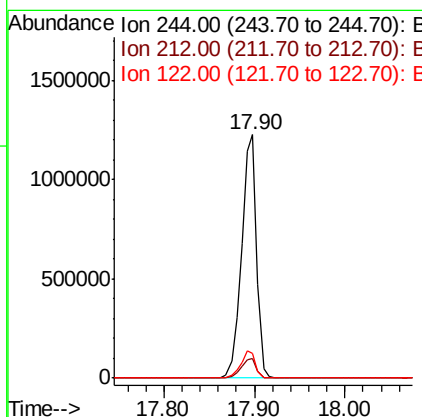
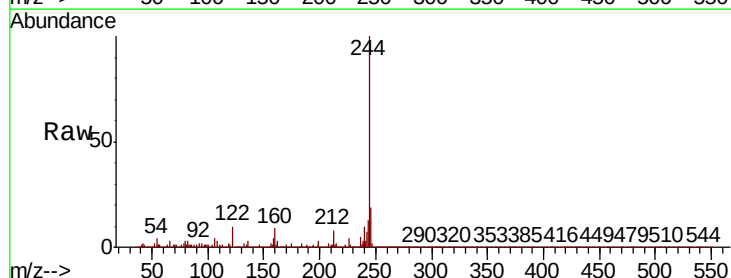
Instrument :  
BNA\_P  
ClientSampleId :  
HP-627

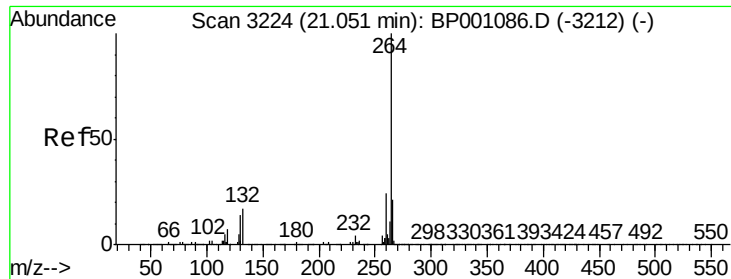
Tot Ion:240 Resp: 300751  
Ion Ratio Lower Upper  
240 100  
120 9.7 9.5 14.3  
236 25.9 20.4 30.6



#79  
Terphenyl-d14  
Concen: 86.583 ng  
RT: 17.90 min Scan# 2688  
Delta R.T. -0.02 min  
Lab File: BP001198.D  
Acq: 04 Dec 2019 14:04

Tgt Ion:244 Resp: 1407491  
Ion Ratio Lower Upper  
244 100  
212 8.0 6.2 9.2  
122 9.9 8.2 12.2





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 21.03 min Scan# 3220  
Delta R.T. -0.02 min  
Lab File: BP001198.D  
Acq: 04 Dec 2019 14:04

Instrument :  
BNA\_P  
ClientSampleId :  
HP-627

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.4  | 18.8  | 28.2  |
| 265     | 20.8  | 16.9  | 25.3  |

