

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122619\  
 Data File : BP001447.D  
 Acq On : 27 Dec 2019 06:23  
 Operator : JU  
 Sample : K6436-08  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 K009-WC-1

Quant Time: Dec 27 11:47:17 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 24 16:04:49 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.29  | 152  | 28230    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.32 | 136  | 99086    | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 13.17 | 164  | 59781    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 15.57 | 188  | 118982   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 19.22 | 240  | 89233    | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 20.99 | 264  | 91149    | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.22  | 112  | 216330   | 123.85 | ng    | 0.02     |
| 7) Phenol-d6                | 7.76  | 99   | 258835   | 113.56 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.17  | 82   | 221007   | 85.65  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 14.48 | 330  | 106454   | 142.43 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.10 | 172  | 438512   | 92.75  | ng    | 0.00     |
| 79) Terphenyl-d14           | 17.86 | 244  | 571719   | 109.74 | ng    | 0.00     |

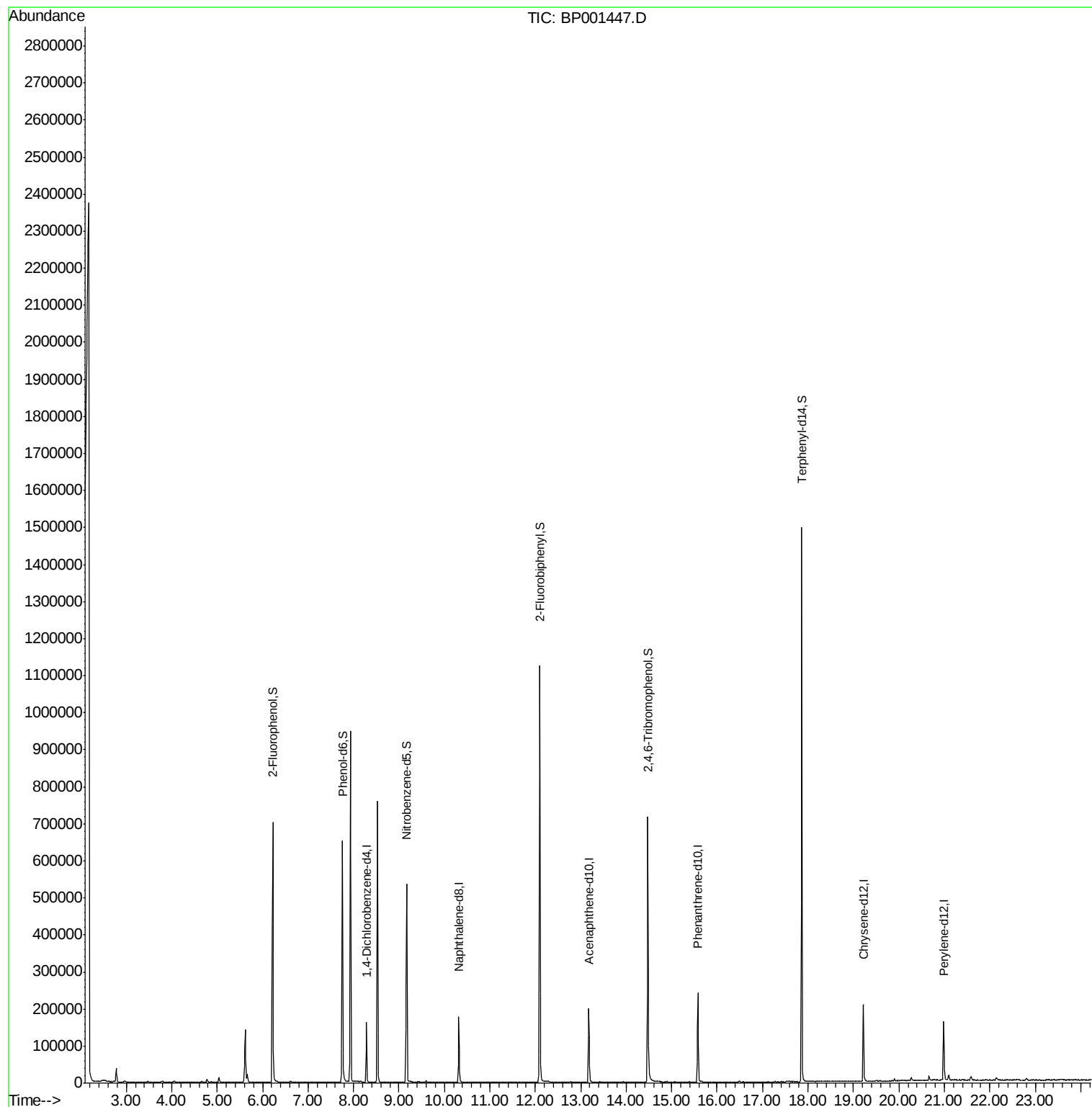
Target Compounds Qvalue

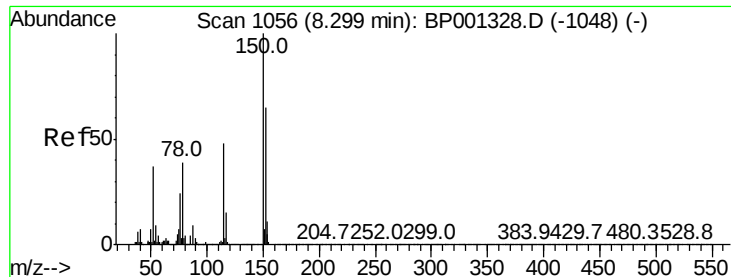
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 24 16:04:49 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.29 min Scan# 1054

Delta R.T. -0.00 min

Lab File: BP001447.D

Acq: 27 Dec 2019 06:23

Instrument :

BNA\_P

ClientSampleId :

K009-WC-1

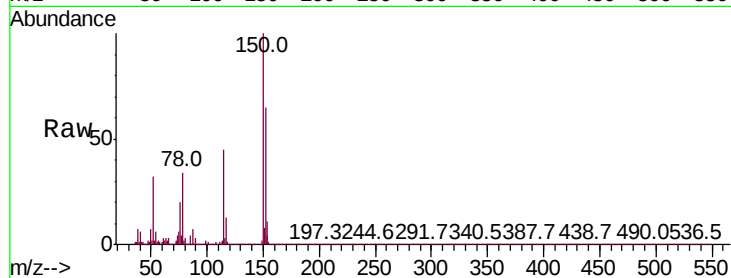
Tot Ion:152 Resp: 28230

Ion Ratio Lower Upper

152 100

150 154.6 127.0 190.6

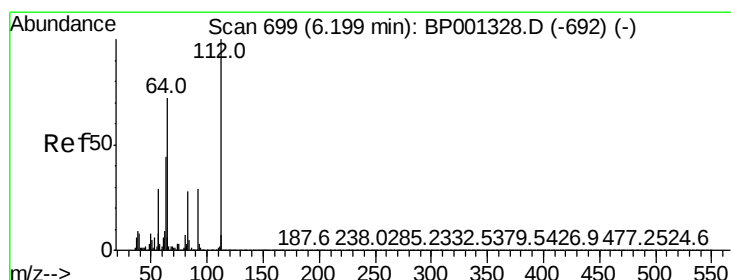
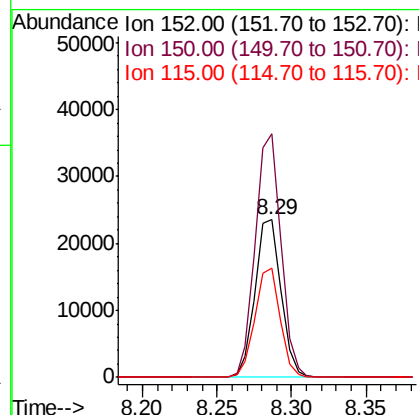
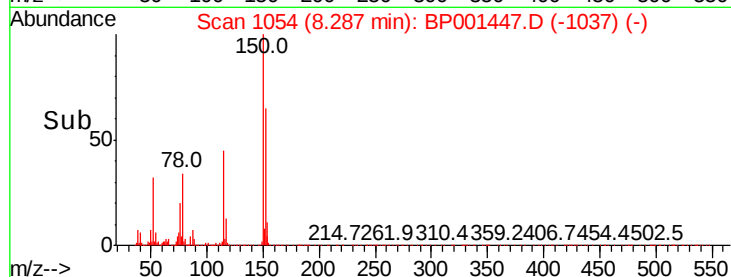
115 69.2 56.1 84.1



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: 123.851 ng

RT: 6.22 min Scan# 703

Delta R.T. 0.02 min

Lab File: BP001447.D

Acq: 27 Dec 2019 06:23

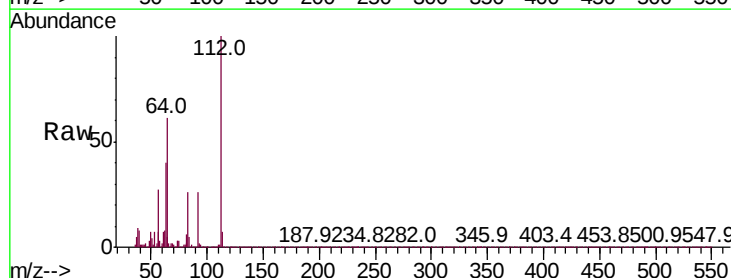
Tgt Ion:112 Resp: 216330

Ion Ratio Lower Upper

112 100

64 61.2 53.9 80.9

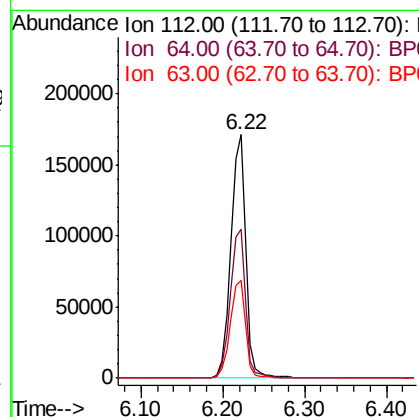
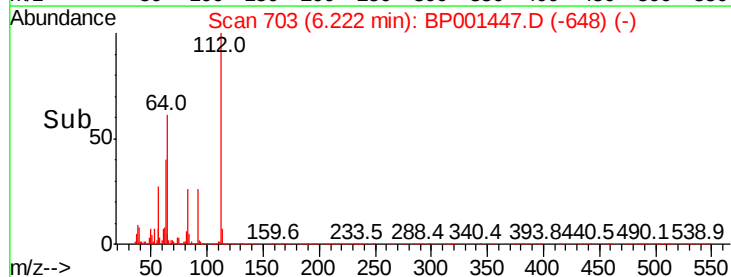
63 40.0 33.4 50.0

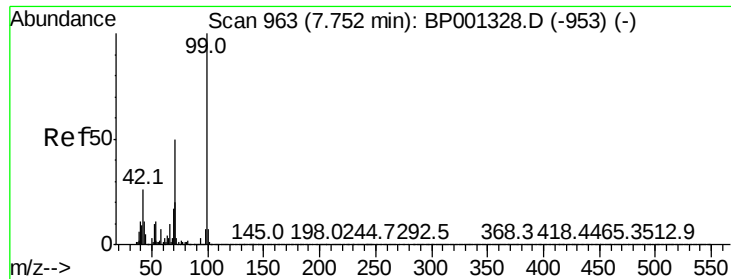


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 113.563 ng

RT: 7.76 min Scan# 964

Delta R.T. 0.01 min

Lab File: BP001447.D

Acq: 27 Dec 2019 06:23

Instrument :

BNA\_P

ClientSampleId :

K009-WC-1

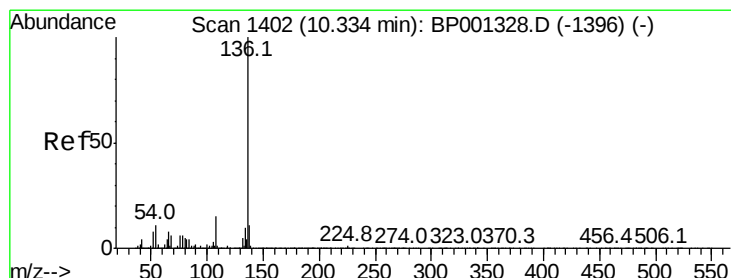
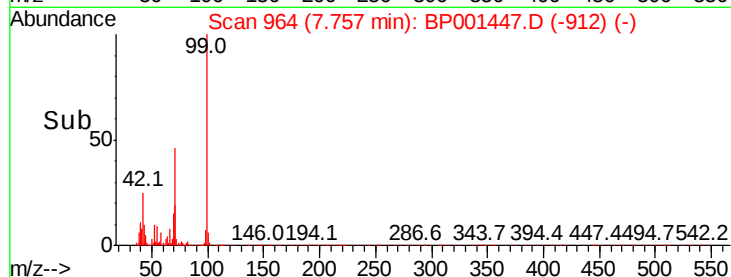
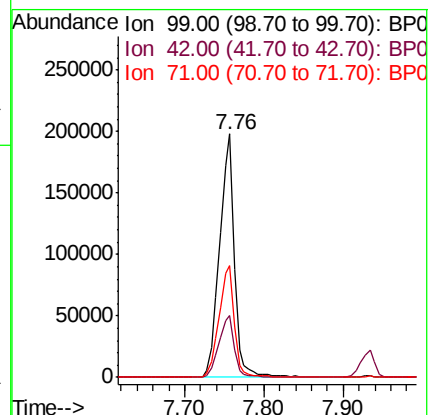
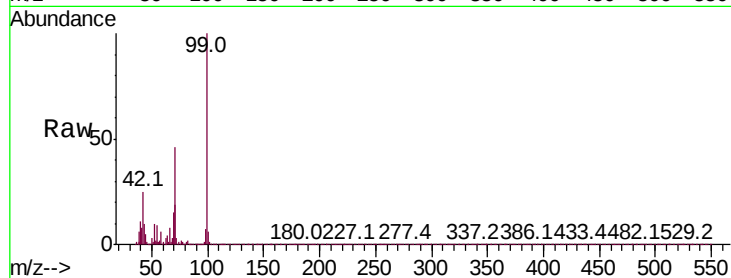
Tot Ion: 99 Resp: 258835

Ion Ratio Lower Upper

99 100

42 25.3 20.8 31.2

71 45.7 38.2 57.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.32 min Scan# 1399

Delta R.T. -0.01 min

Lab File: BP001447.D

Acq: 27 Dec 2019 06:23

Tgt Ion: 136 Resp: 99086

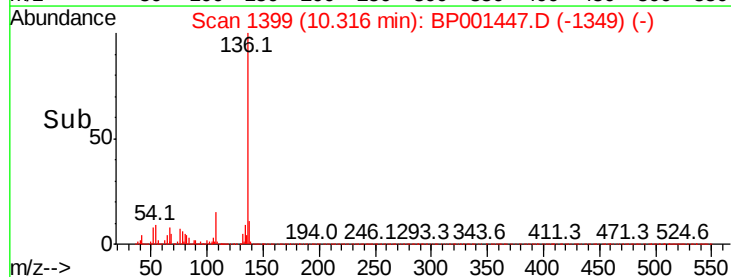
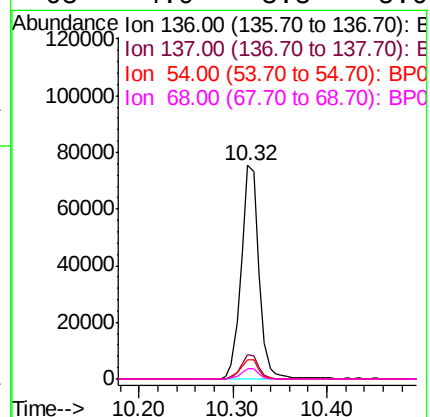
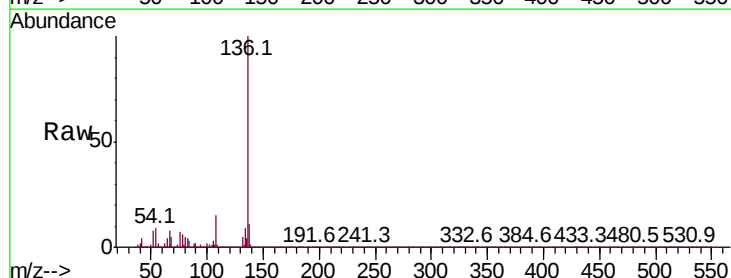
Ion Ratio Lower Upper

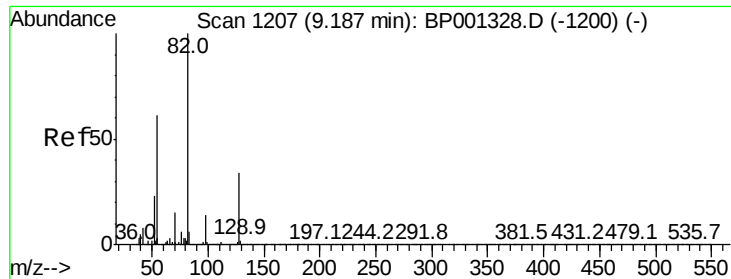
136 100

137 11.5 9.0 13.4

54 9.2 7.3 10.9

68 4.9 3.8 5.6

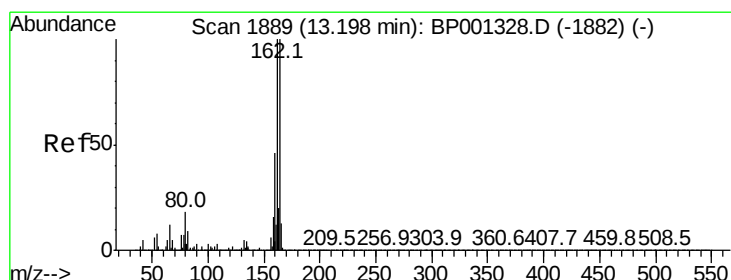
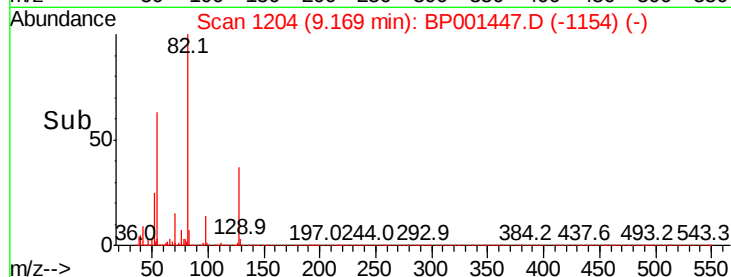
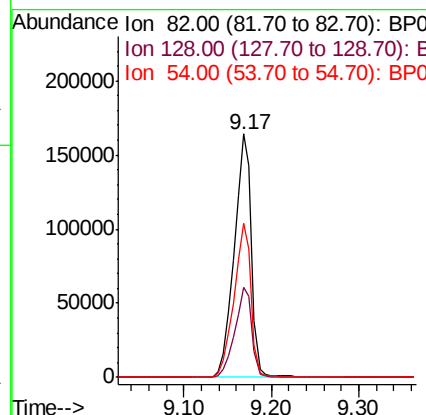
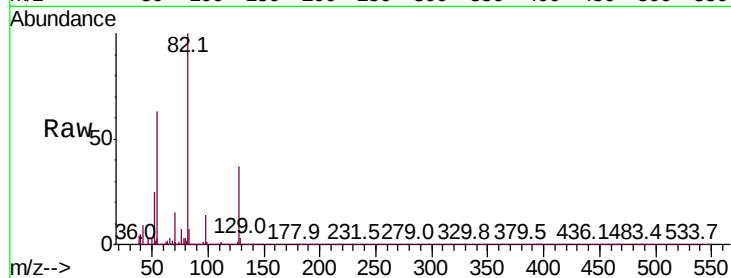




#23  
Nitrobenzene-d5  
Concen: 85.652 ng  
RT: 9.17 min Scan# 1204  
Delta R.T. -0.01 min  
Lab File: BP001447.D  
Acq: 27 Dec 2019 06:23

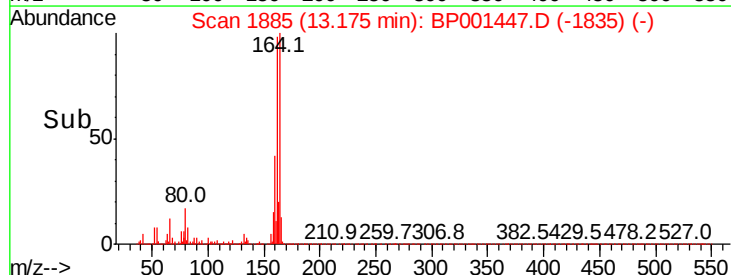
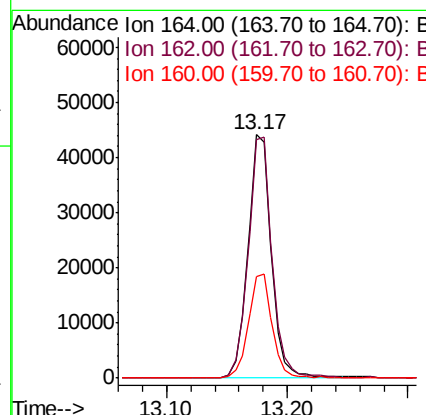
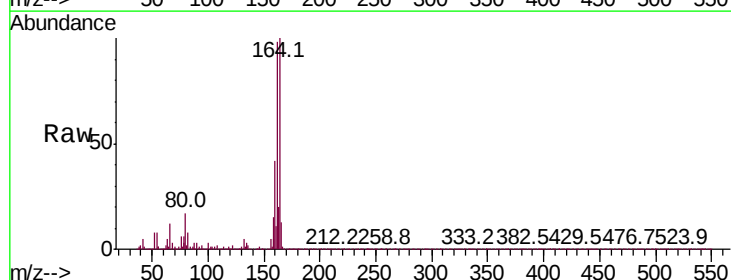
Instrument :  
BNA\_P  
ClientSampleId :  
K009-WC-1

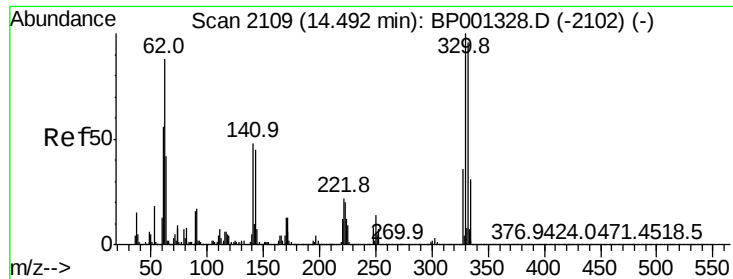
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 36.9  | 27.4  | 41.0  |
| 54      | 63.4  | 47.5  | 71.3  |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 13.17 min Scan# 1885  
Delta R.T. -0.01 min  
Lab File: BP001447.D  
Acq: 27 Dec 2019 06:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 98.0  | 78.2  | 117.4 |
| 160     | 41.9  | 35.1  | 52.7  |

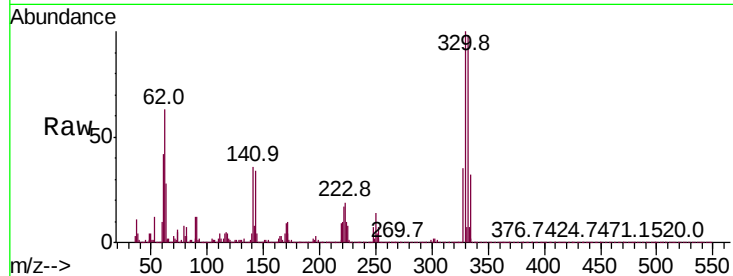




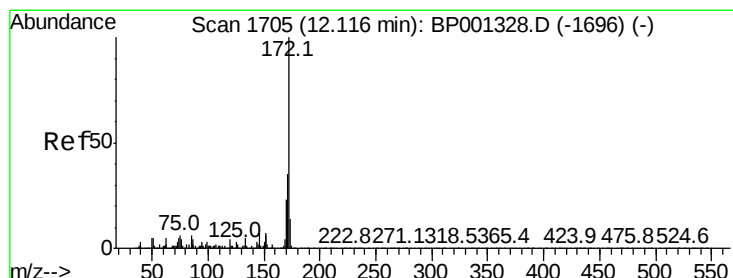
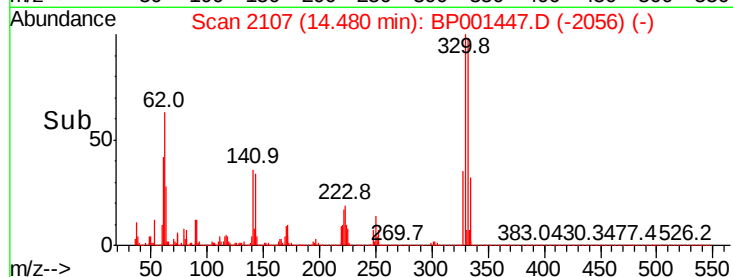
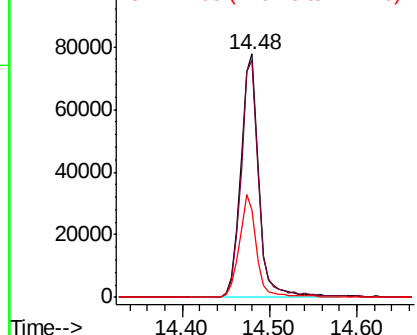
#42  
2,4,6-Tribromophenol  
Concen: 142.433 ng  
RT: 14.48 min Scan# 2107  
Delta R.T. -0.00 min  
Lab File: BP001447.D  
Acq: 27 Dec 2019 06:23

Instrument :  
BNA\_P  
ClientSampled :  
K009-WC-1

Tot Ion:330 Resp: 106454  
Ion Ratio Lower Upper  
330 100  
332 97.5 78.3 117.5  
141 40.6 26.8 40.2#

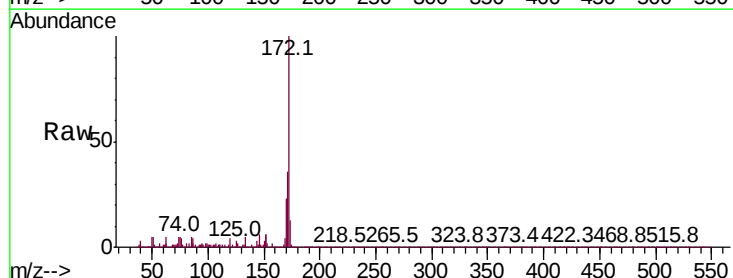


Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

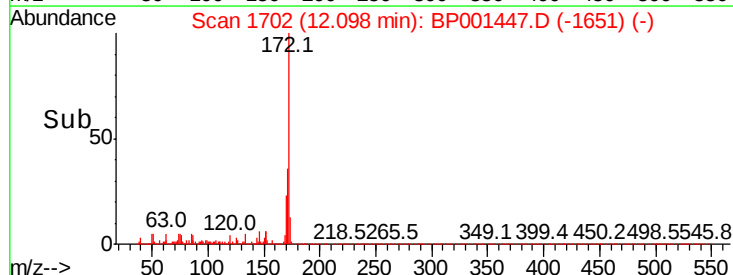
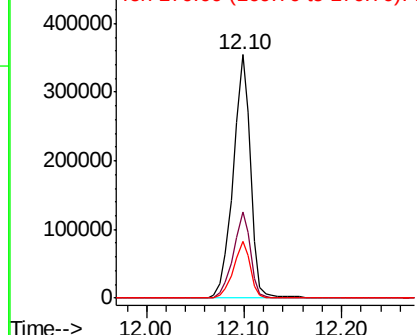


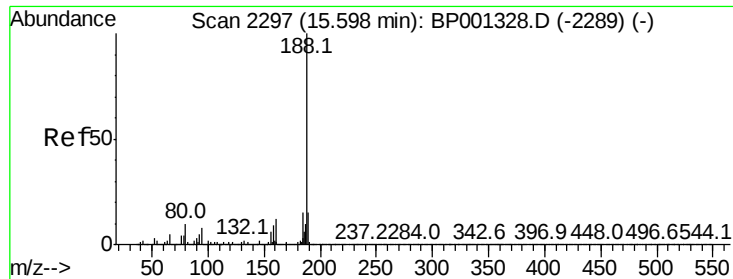
#45  
2-Fluorobiphenyl  
Concen: 92.754 ng  
RT: 12.10 min Scan# 1702  
Delta R.T. -0.00 min  
Lab File: BP001447.D  
Acq: 27 Dec 2019 06:23

Tgt Ion:172 Resp: 438512  
Ion Ratio Lower Upper  
172 100  
171 35.6 27.4 41.0  
170 23.2 18.2 27.4



Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 15.57 min Scan# 2293

Delta R.T. -0.01 min

Lab File: BP001447.D

Acq: 27 Dec 2019 06:23

Instrument :

BNA\_P

ClientSampleId :

K009-WC-1

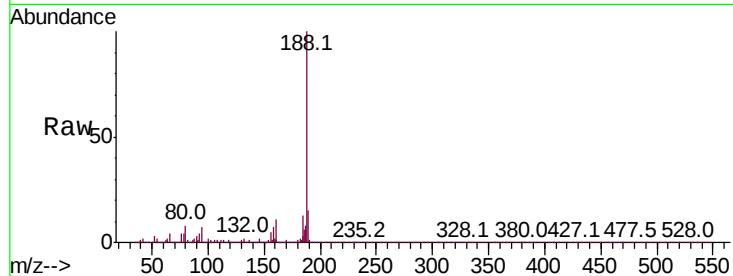
Tot Ion:188 Resp: 118982

Ion Ratio Lower Upper

188 100

94 6.6 5.8 8.8

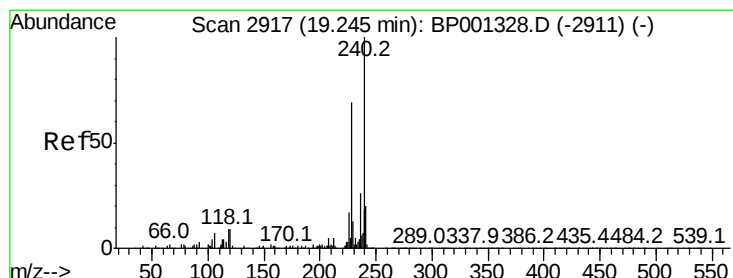
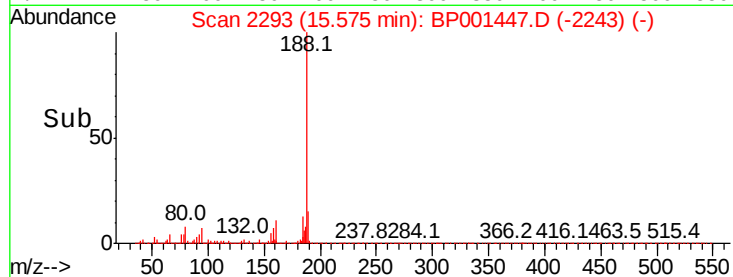
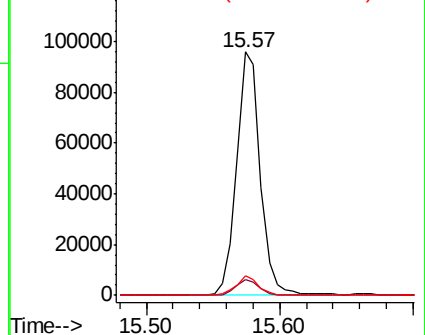
80 8.0 5.7 8.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 19.22 min Scan# 2912

Delta R.T. -0.01 min

Lab File: BP001447.D

Acq: 27 Dec 2019 06:23

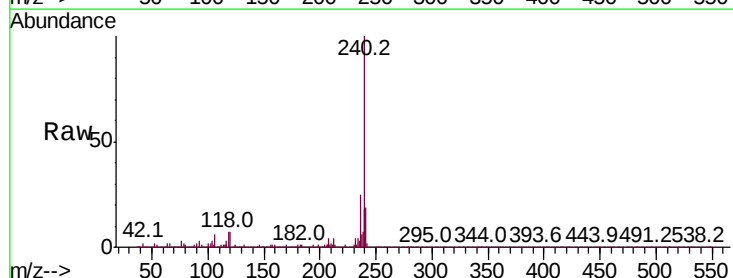
Tgt Ion:240 Resp: 89233

Ion Ratio Lower Upper

240 100

120 7.1 6.2 9.2

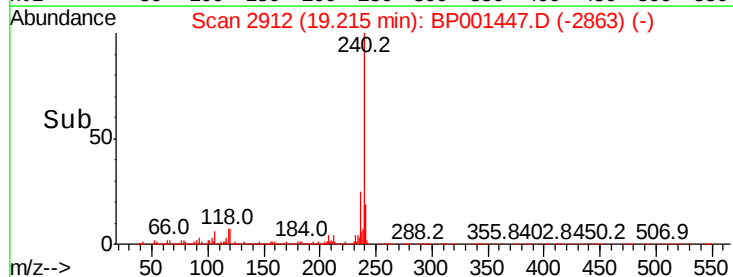
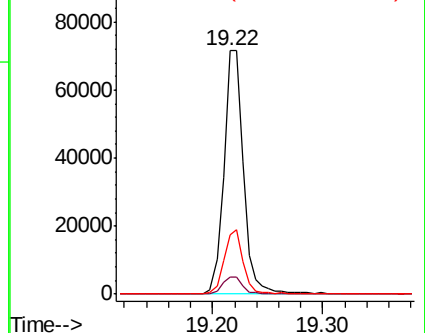
236 24.6 20.2 30.2

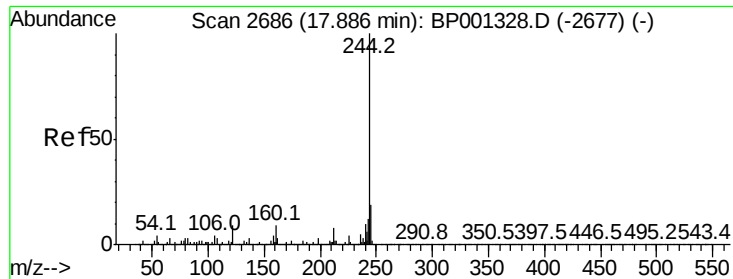


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

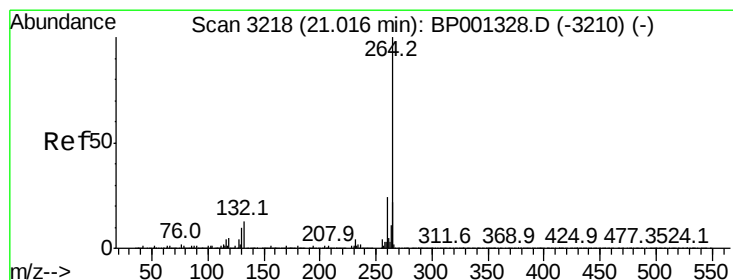
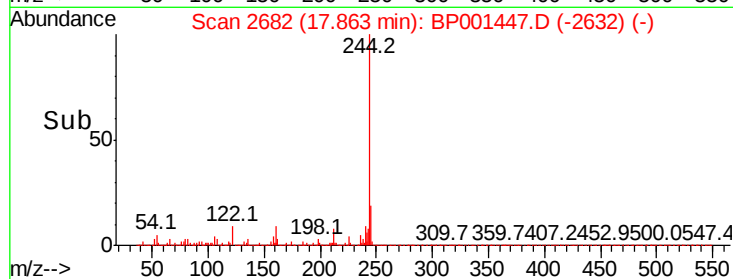
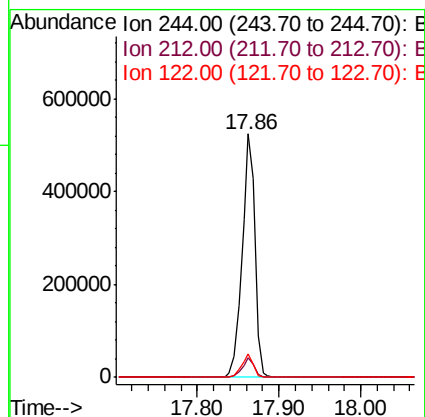
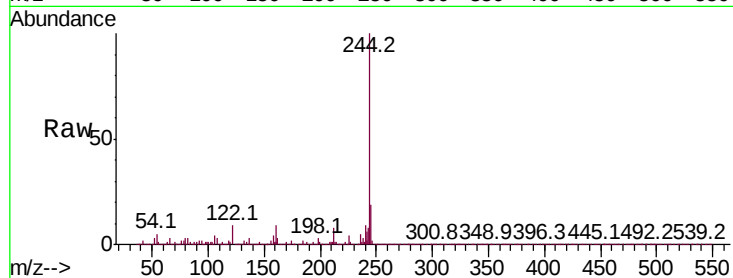




#79  
 Terphenyl-d14  
 Concen: 109.737 ng  
 RT: 17.86 min Scan# 2682  
 Delta R.T. -0.01 min  
 Lab File: BP001447.D  
 Acq: 27 Dec 2019 06:23

Instrument :  
 BNA\_P  
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|             |       |        |
|-------------|-------|--------|
| Tot Ion:244 | Resp: | 571719 |
| Ion Ratio   | Lower | Upper  |
| 244 100     |       |        |
| 212 7.9     | 5.8   | 8.8    |
| 122 9.4     | 6.4   | 9.6    |



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 20.99 min Scan# 3213  
 Delta R.T. -0.01 min  
 Lab File: BP001447.D  
 Acq: 27 Dec 2019 06:23

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:264 | Resp: | 91149 |
| Ion Ratio   | Lower | Upper |
| 264 100     |       |       |
| 260 21.7    | 19.0  | 28.4  |
| 265 21.4    | 17.0  | 25.4  |

