

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070617\  
 Data File : BF096528.D  
 Acq On : 6 Jul 2017 12:59  
 Operator : SJ/MA  
 Sample : I4053-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-070317-A

Quant Time: Jul 06 18:46:33 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF070117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 05 13:27:10 2017  
 Response via : Initial Calibration

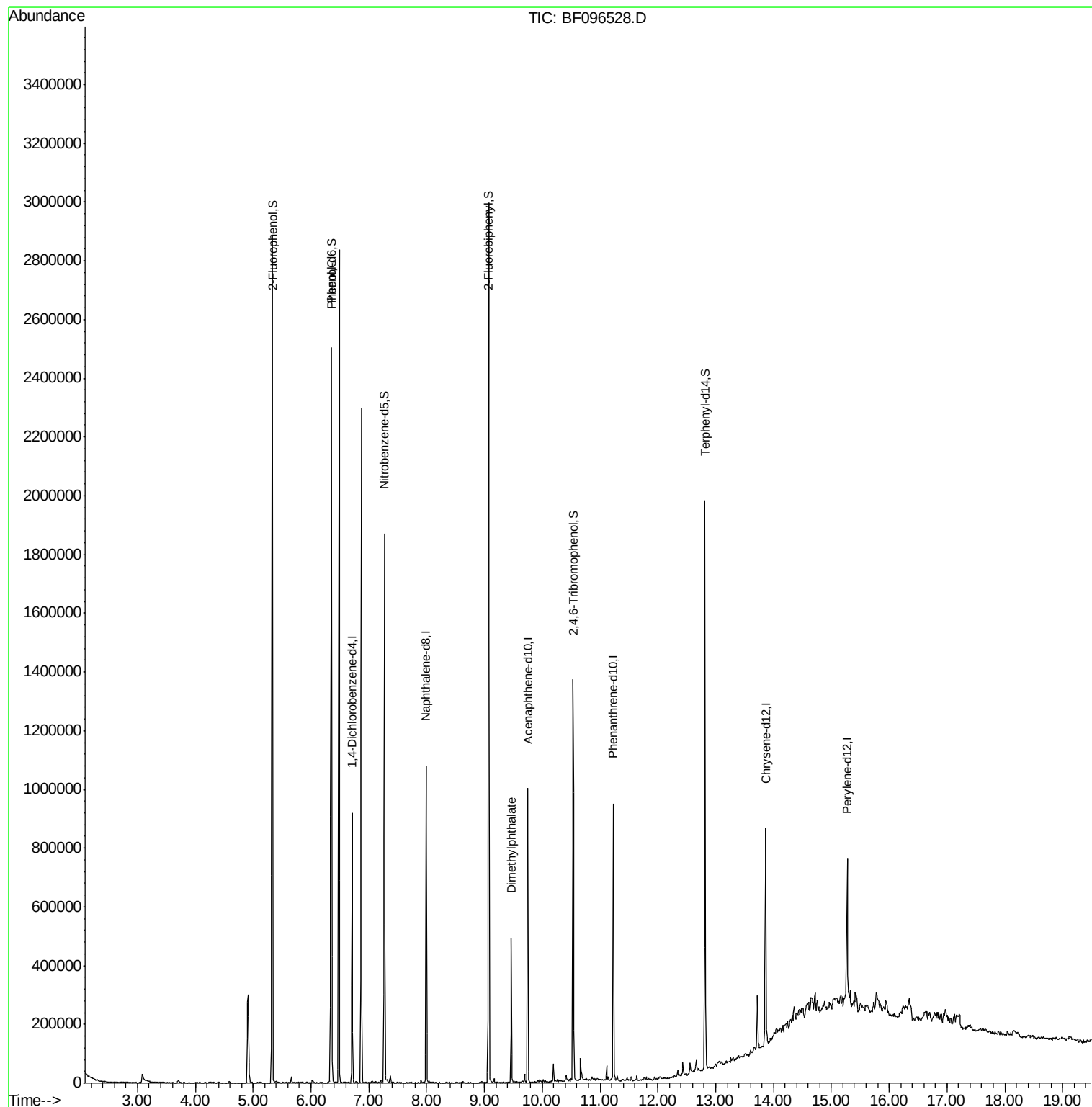
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.71  | 152  | 131123   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.99  | 136  | 492176   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.75  | 164  | 210739   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.23 | 188  | 326416   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.86 | 240  | 249897   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.27 | 264  | 223889   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.33  | 112  | 873593   | 98.33  | ng    | 0.01     |
| 7) Phenol-d6                | 6.35  | 99   | 987127   | 90.38  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.27  | 82   | 582343   | 71.10  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.53 | 330  | 148360   | 90.13  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.07  | 172  | 951529   | 77.20  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.82 | 244  | 617906   | 52.84  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.36  | 94   | 38081    | 3.061  | ng    | 94       |
| 49) Dimethylphthalate       | 9.47  | 163  | 213386   | 13.564 | ng    | 97       |

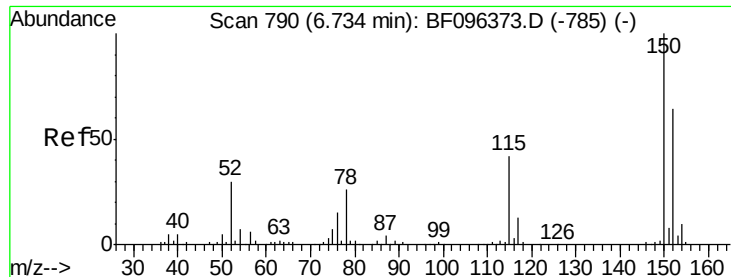
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070617\  
Data File : BF096528.D  
Acq On : 6 Jul 2017 12:59  
Operator : SJ/MA  
Sample : I4053-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-070317-A

Quant Time: Jul 06 18:46:33 2017  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF070117.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 05 13:27:10 2017  
Response via : Initial Calibration

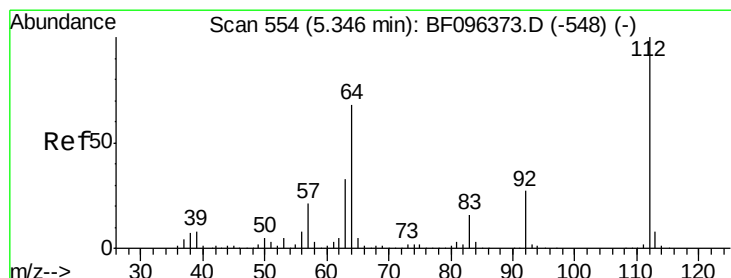
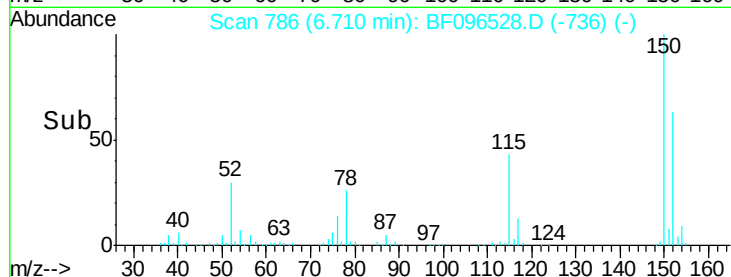
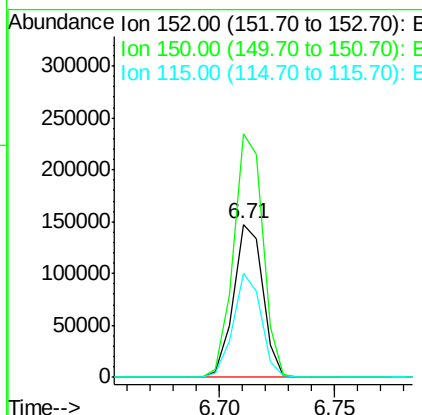
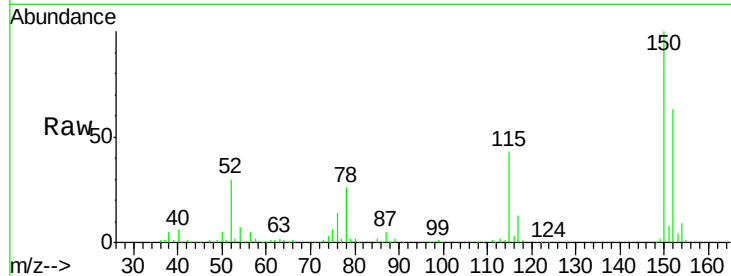




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.71 min Scan# 786  
 Delta R.T. -0.01 min  
 Lab File: BF096528.D  
 Acq: 6 Jul 2017 12:59

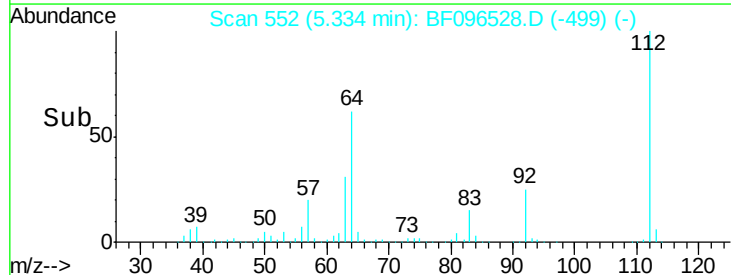
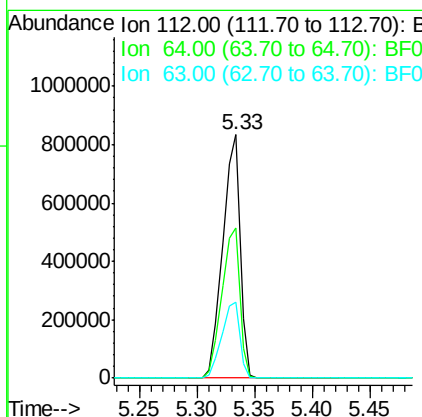
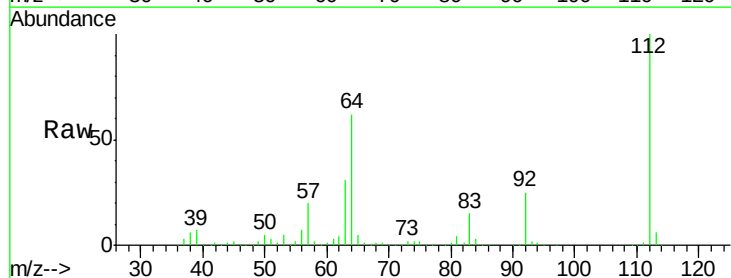
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-070317-A

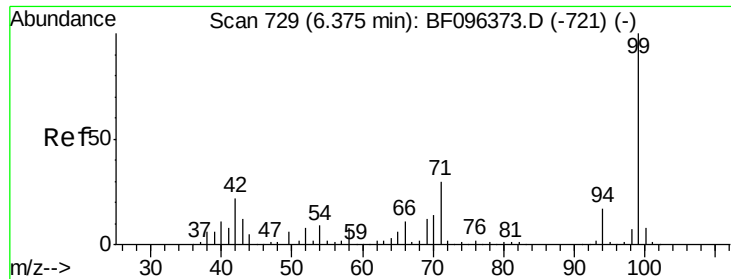
Tgt Ion:152 Resp: 131123  
 Ion Ratio Lower Upper  
 152 100  
 150 159.2 126.2 189.2  
 115 67.7 52.2 78.2



#5  
 2-Fluorophenol  
 Concen: 98.335 ng  
 RT: 5.33 min Scan# 552  
 Delta R.T. 0.01 min  
 Lab File: BF096528.D  
 Acq: 6 Jul 2017 12:59

Tgt Ion:112 Resp: 873593  
 Ion Ratio Lower Upper  
 112 100  
 64 61.6 46.0 69.0  
 63 31.2 23.4 35.0





#7

Phenol-d6

Concen: 90.384 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF096528.D

Acq: 6 Jul 2017 12:59

Instrument :

BNA\_F

ClientSampleId :

CL-02-070317-A

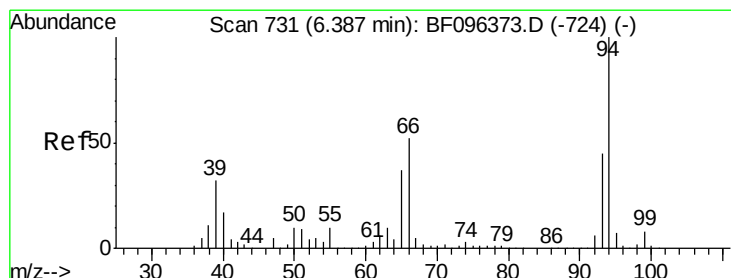
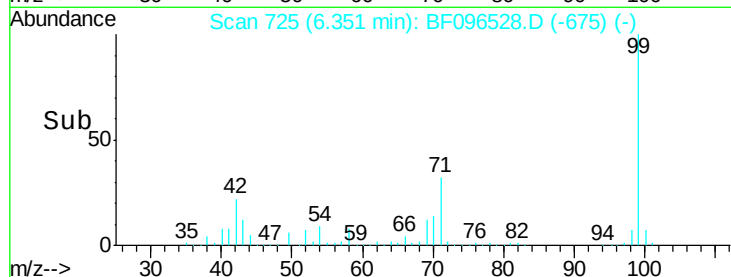
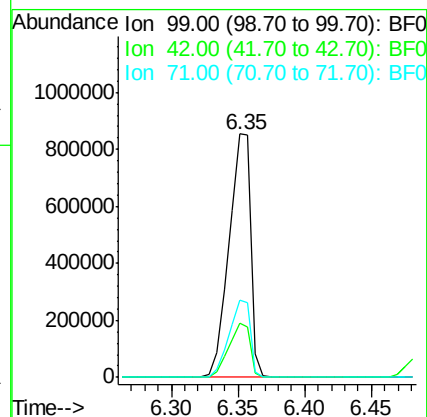
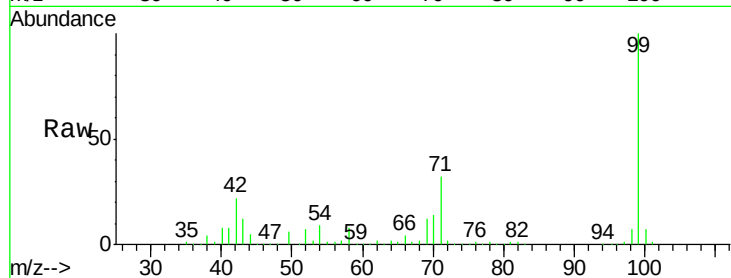
Tgt Ion: 99 Resp: 987127

Ion Ratio Lower Upper

99 100

42 22.4 13.5 20.3#

71 31.7 24.5 36.7



#10

Phenol

Concen: 3.061 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF096528.D

Acq: 6 Jul 2017 12:59

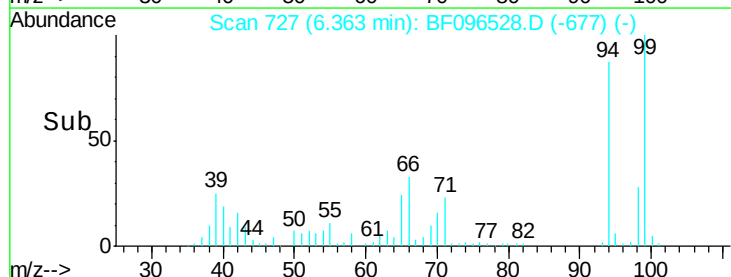
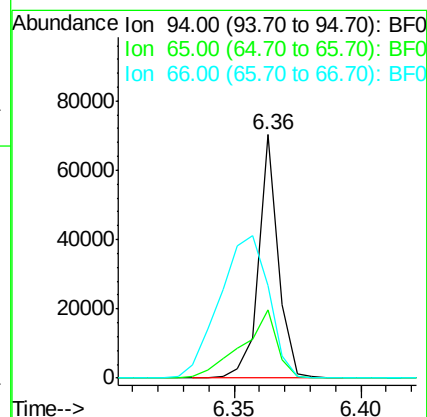
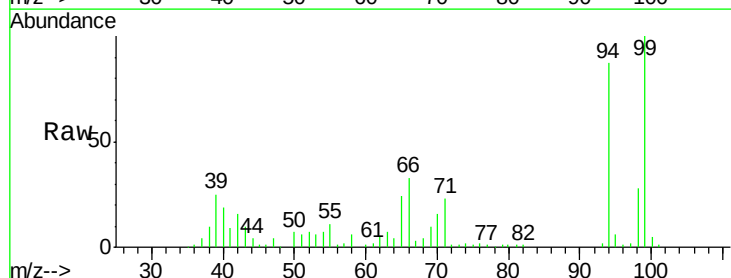
Tgt Ion: 94 Resp: 38081

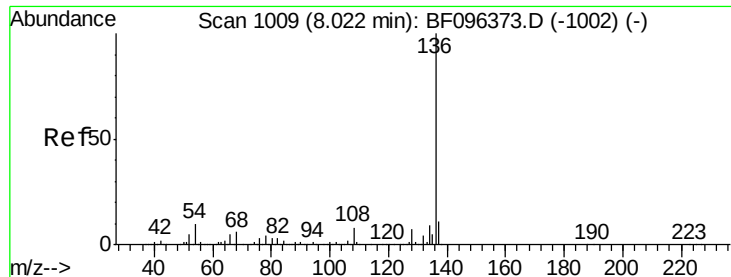
Ion Ratio Lower Upper

94 100

65 27.8 9.9 49.9

66 38.2 23.1 63.1

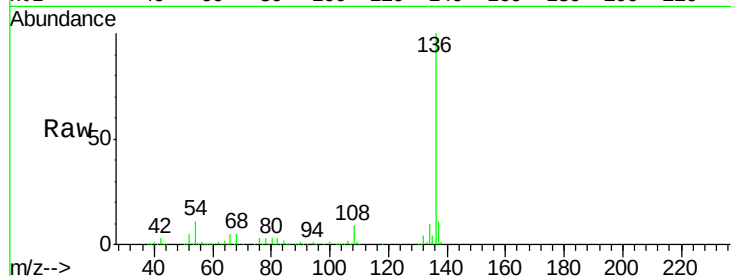




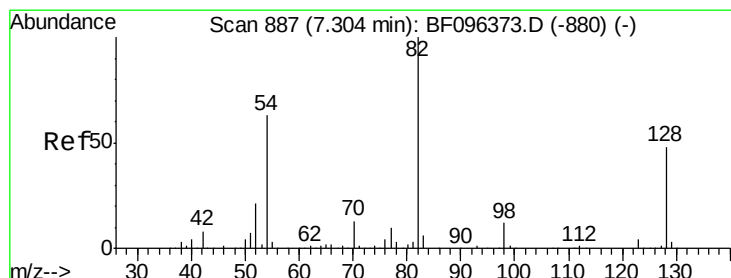
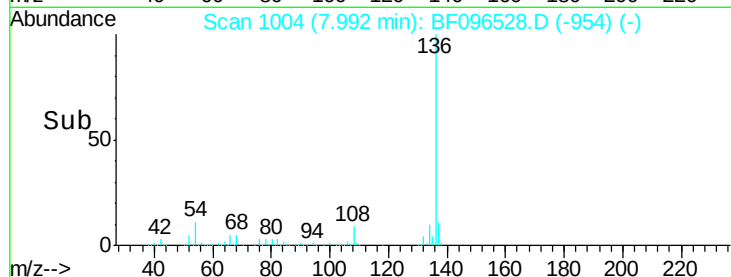
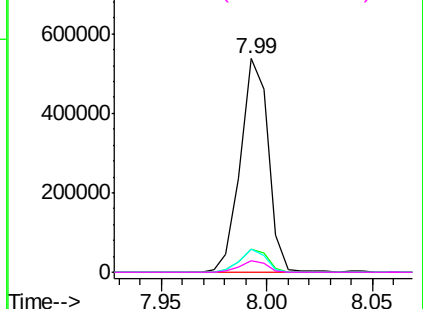
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.99 min Scan# 1004  
Delta R.T. -0.01 min  
Lab File: BF096528.D  
Acq: 6 Jul 2017 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-070317-A

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 492176 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.5   | 12.7   |
| 54       | 10.6  | 4.9   | 7.3#   |
| 68       | 5.3   | 4.1   | 6.1    |

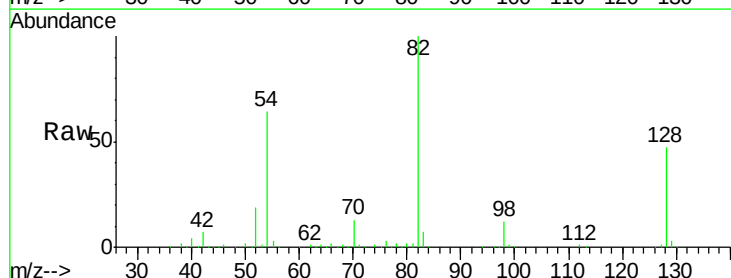


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

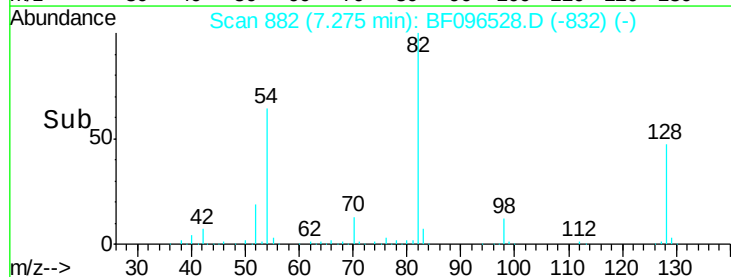
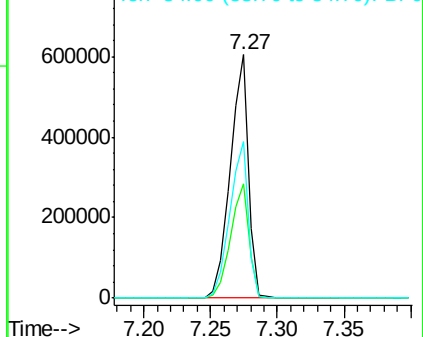


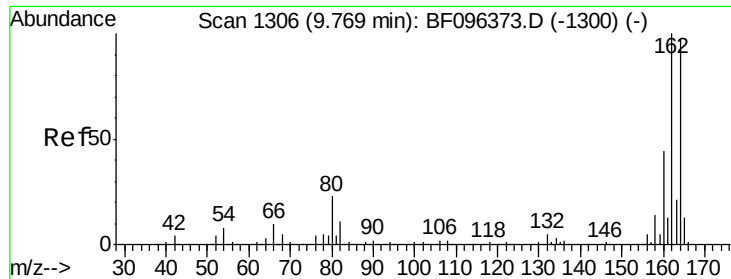
#23  
Nitrobenzene-d5  
Concen: 71.099 ng  
RT: 7.27 min Scan# 882  
Delta R.T. -0.01 min  
Lab File: BF096528.D  
Acq: 6 Jul 2017 12:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 582343 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 47.0  | 34.0  | 51.0   |
| 54       | 64.3  | 42.2  | 63.2#  |



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0

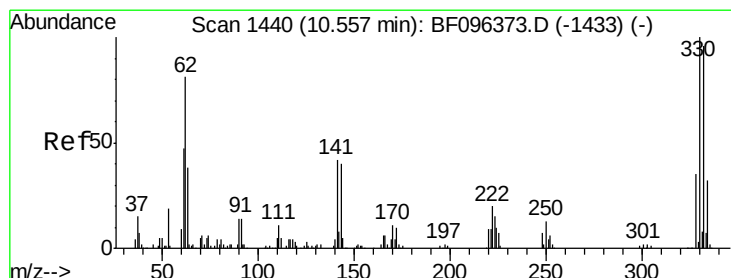
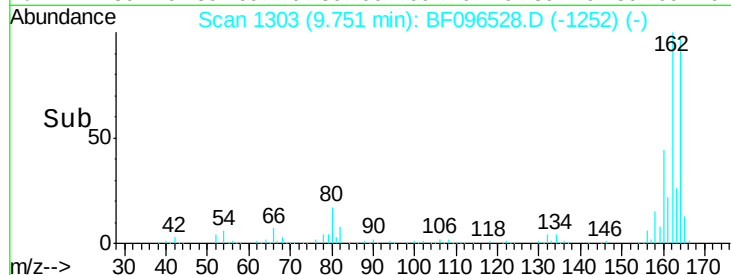
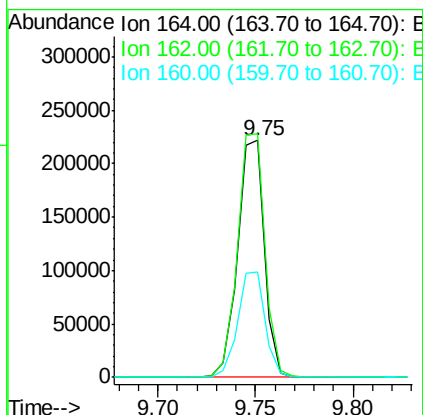
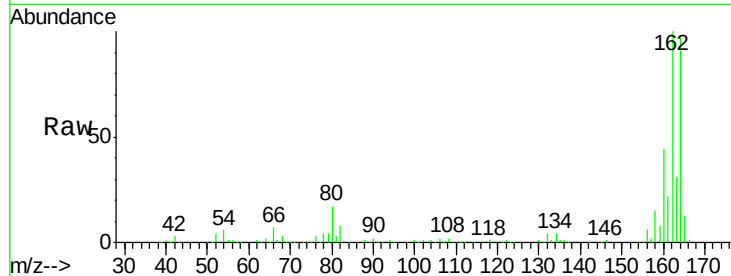




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.75 min Scan# 1303  
 Delta R.T. 0.00 min  
 Lab File: BF096528.D  
 Acq: 6 Jul 2017 12:59

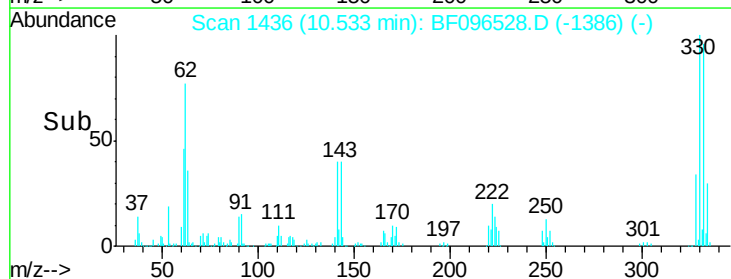
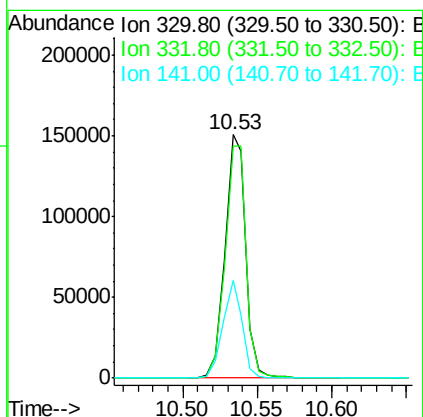
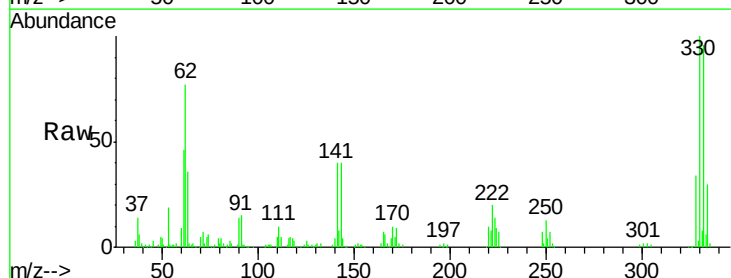
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-070317-A

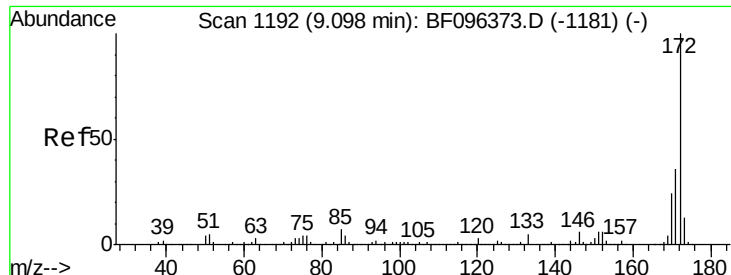
Tgt Ion:164 Resp: 210739  
 Ion Ratio Lower Upper  
 164 100  
 162 102.7 82.6 123.8  
 160 44.7 36.2 54.2



#41  
 2,4,6-Tribromophenol  
 Concen: 90.127 ng  
 RT: 10.53 min Scan# 1436  
 Delta R.T. -0.01 min  
 Lab File: BF096528.D  
 Acq: 6 Jul 2017 12:59

Tgt Ion:330 Resp: 148360  
 Ion Ratio Lower Upper  
 330 100  
 332 97.7 76.6 115.0  
 141 37.3 31.4 47.2

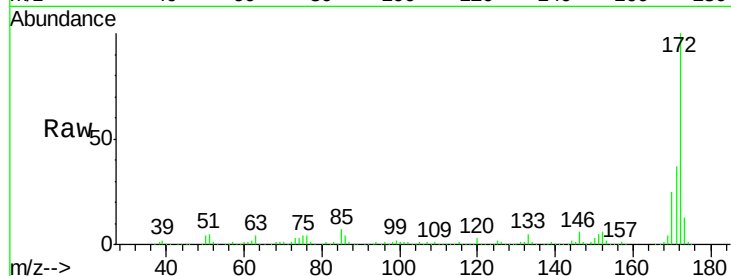




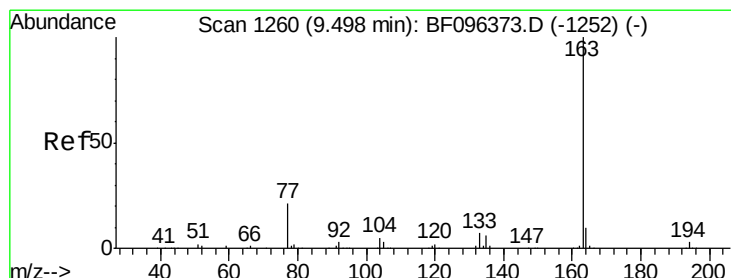
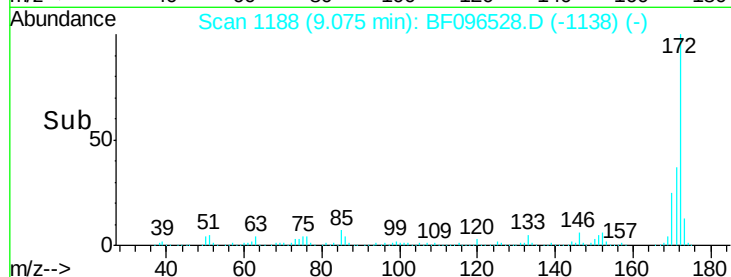
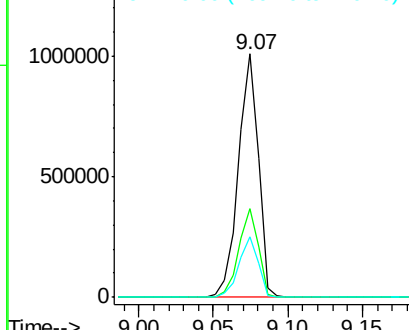
#44  
 2-Fluorobiphenyl  
 Concen: 77.200 ng  
 RT: 9.07 min Scan# 1188  
 Delta R.T. -0.01 min  
 Lab File: BF096528.D  
 Acq: 6 Jul 2017 12:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-070317-A

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 29.6  | 44.4  |
| 170     | 24.7  | 19.8  | 29.8  |

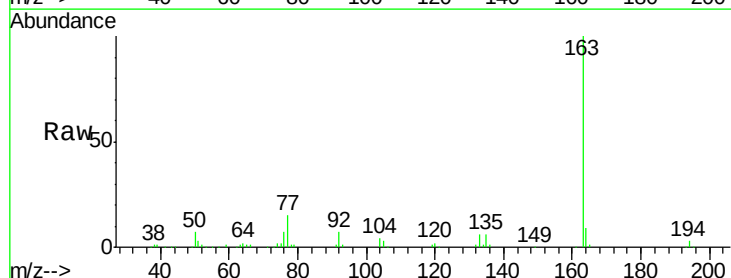


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

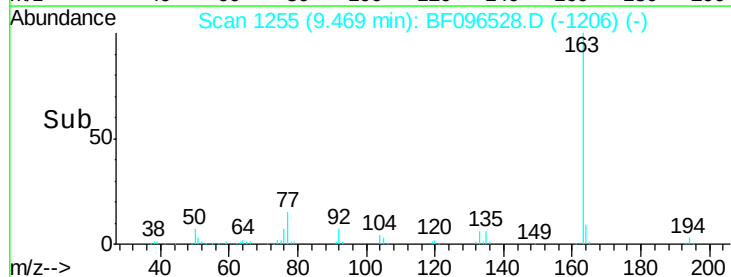
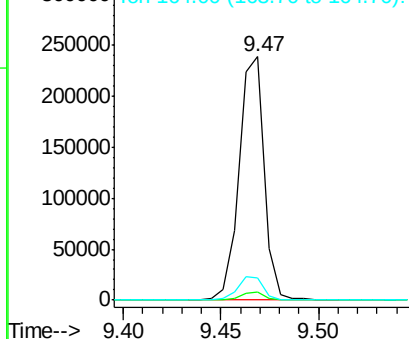


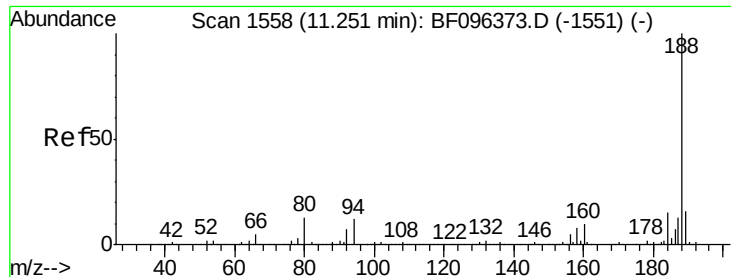
#49  
 Dimethylphthalate  
 Concen: 13.564 ng  
 RT: 9.47 min Scan# 1255  
 Delta R.T. -0.01 min  
 Lab File: BF096528.D  
 Acq: 6 Jul 2017 12:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.4   | 2.6   | 4.0   |
| 164     | 9.1   | 8.4   | 12.6  |



Abundance Ion 163.00 (162.70 to 163.70): E  
 Ion 194.00 (193.70 to 194.70): E  
 Ion 164.00 (163.70 to 164.70): E

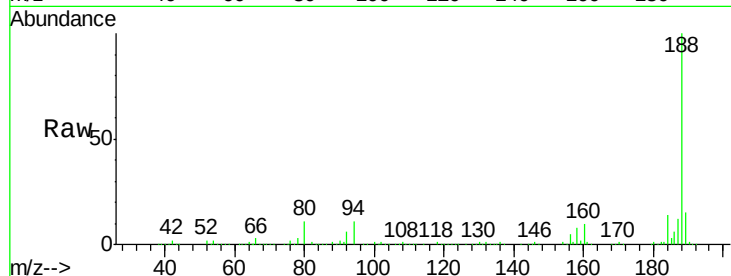




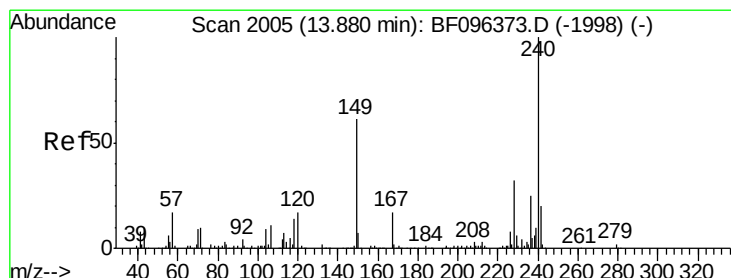
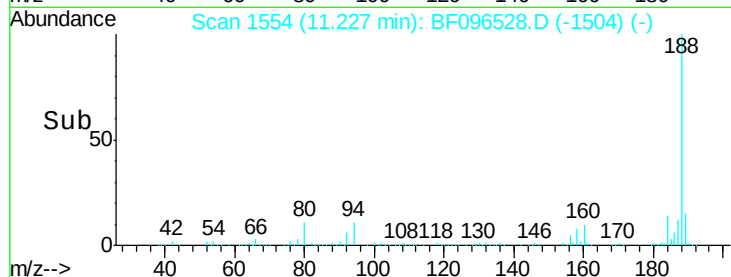
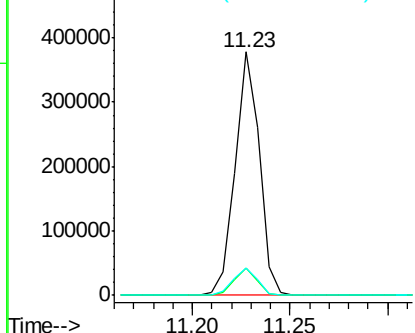
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.23 min Scan# 1554  
Delta R.T. -0.01 min  
Lab File: BF096528.D  
Acq: 6 Jul 2017 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-070317-A

Tgt Ion:188 Resp: 326416  
Ion Ratio Lower Upper  
188 100  
94 11.2 9.4 14.2  
80 11.0 10.2 15.2

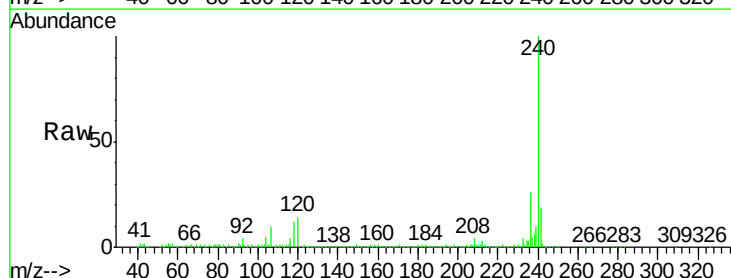


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

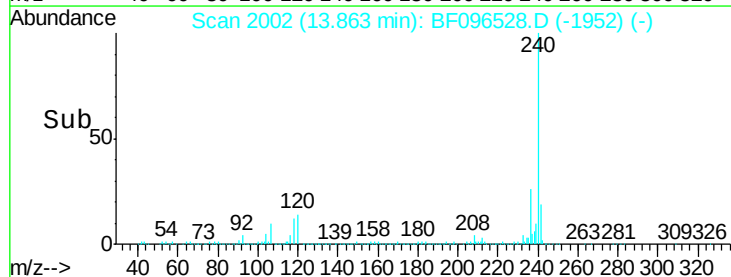
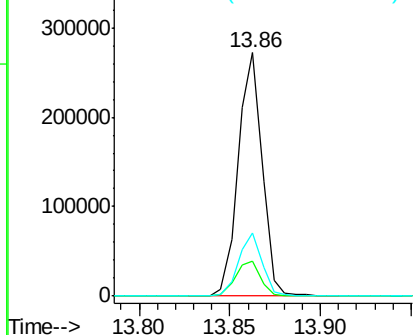


#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.86 min Scan# 2002  
Delta R.T. -0.01 min  
Lab File: BF096528.D  
Acq: 6 Jul 2017 12:59

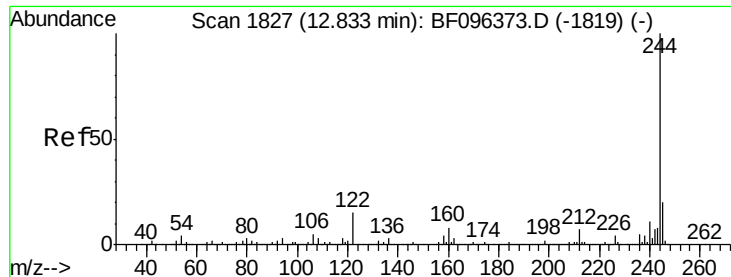
Tgt Ion:240 Resp: 249897  
Ion Ratio Lower Upper  
240 100  
120 14.2 5.8 8.8#  
236 25.8 20.5 30.7



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







#78

Terphenyl-d14

Concen: 52.836 ng

RT: 12.82 min Scan# 1824

Delta R.T. 0.00 min

Lab File: BF096528.D

Acq: 6 Jul 2017 12:59

Instrument :

BNA\_F

ClientSampleId :

CL-02-070317-A

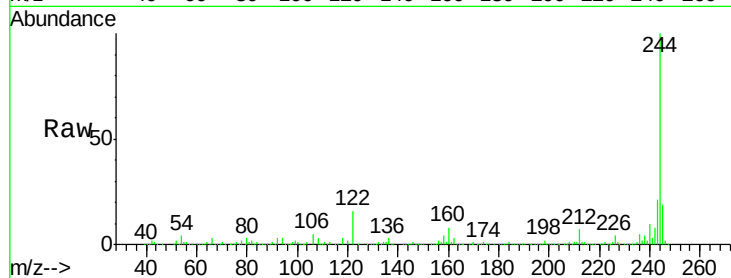
Tgt Ion:244 Resp: 617906

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

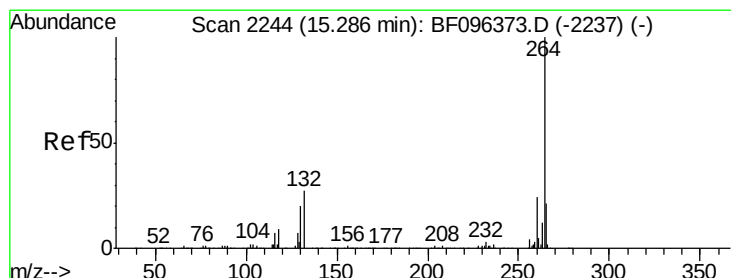
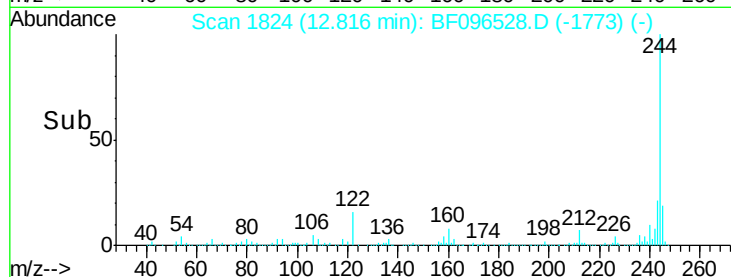
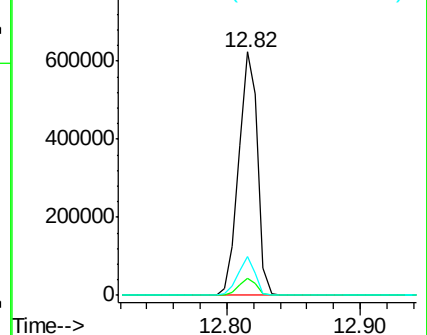
122 16.1 10.3 15.5#



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: 15.27 min Scan# 2242

Delta R.T. 0.00 min

Lab File: BF096528.D

Acq: 6 Jul 2017 12:59

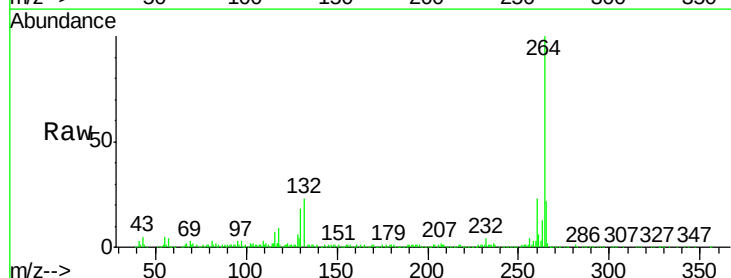
Tgt Ion:264 Resp: 223889

Ion Ratio Lower Upper

264 100

260 23.1 19.5 29.3

265 22.3 17.2 25.8



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

