

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\  
 Data File : BF097482.D  
 Acq On : 8 Aug 2017 21:40  
 Operator : SJ/JU  
 Sample : I4560-05  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 N-STOCKPILE-COMP

Quant Time: Aug 09 01:43:43 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 07 16:02:51 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.40  | 152  | 112637   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.69  | 136  | 473788   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.43  | 164  | 201456   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 10.90 | 188  | 360954   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.53 | 240  | 315738   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 14.87 | 264  | 140976   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.02  | 112  | 948896   | 127.00 | ng    | 0.01     |
| 7) Phenol-d6                | 6.08  | 99   | 1060719  | 124.35 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 6.98  | 82   | 674005   | 83.45  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.22 | 330  | 211247   | 132.72 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 8.77  | 172  | 1033581  | 87.07  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.49 | 244  | 874680   | 56.48  | ng    | 0.00     |

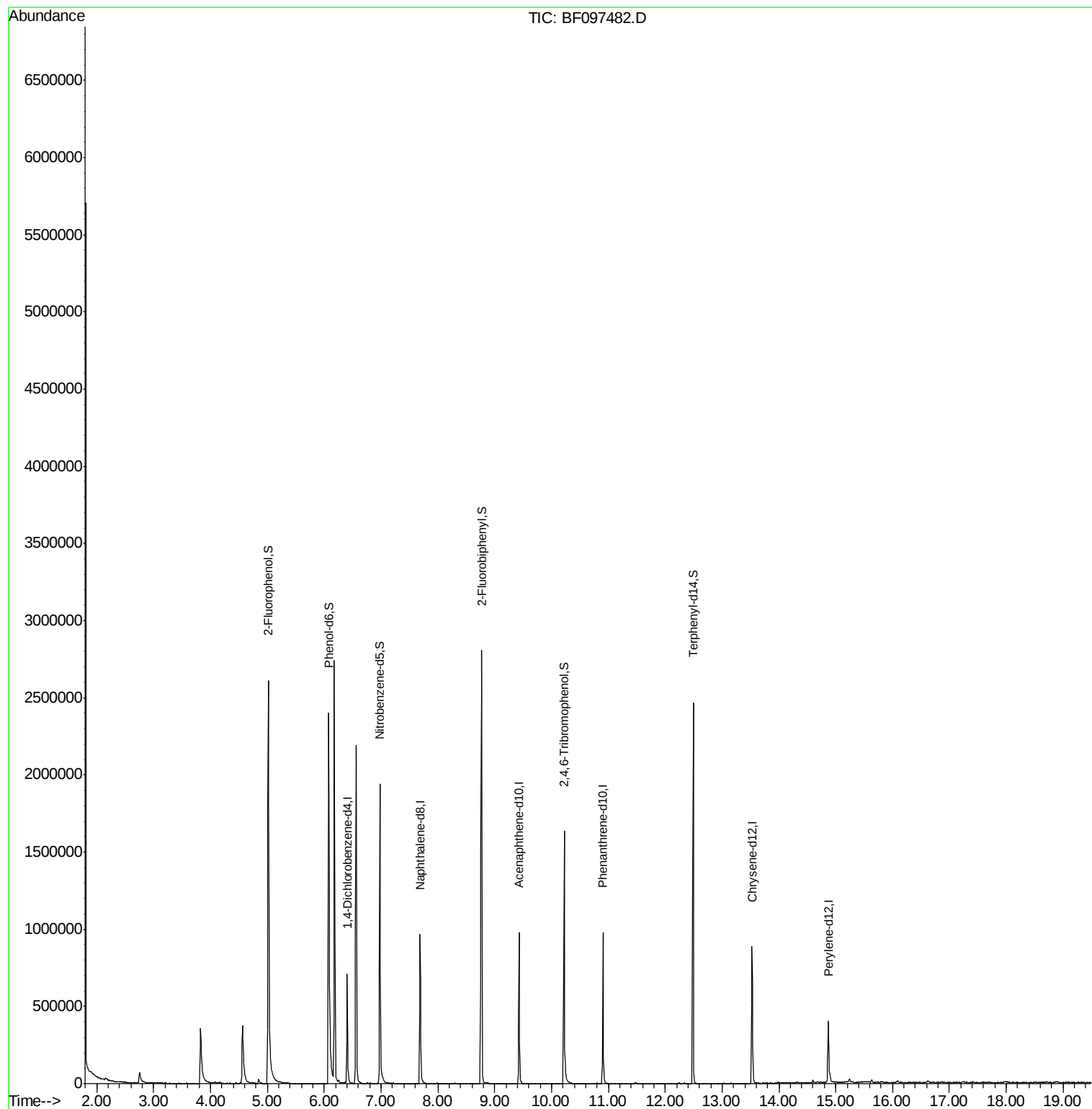
Target Compounds Qvalue

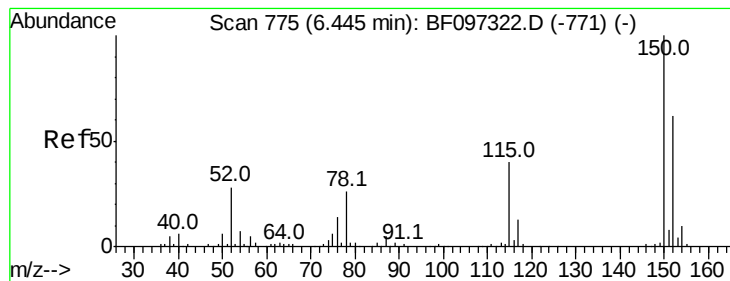
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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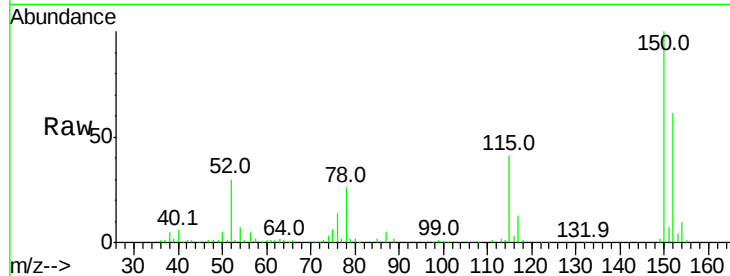


#1

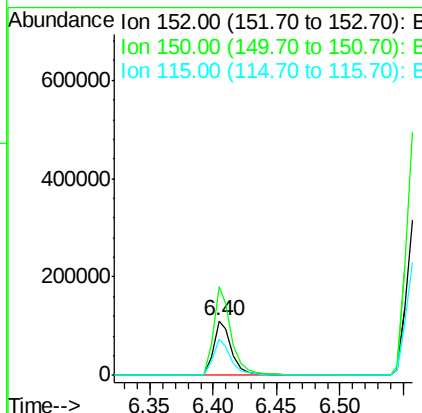
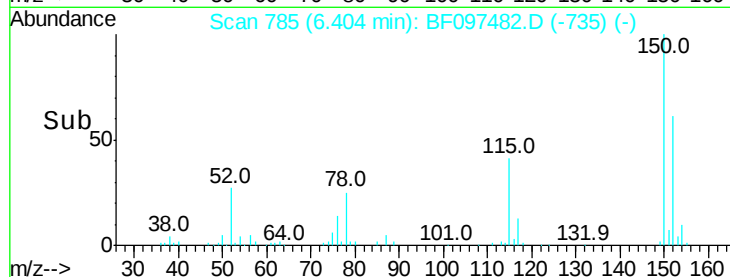
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.40 min Scan# 785  
Delta R.T. -0.01 min  
Lab File: BF097482.D  
Acq: 8 Aug 2017 21:40

Instrument :  
BNA\_F  
ClientSampleId :  
N-STOCKPILE-COMP

Tot Ion:152 Resp: 112637  
Ion Ratio Lower Upper  
152 100  
150 162.7 126.2 189.2  
115 66.8 52.2 78.2



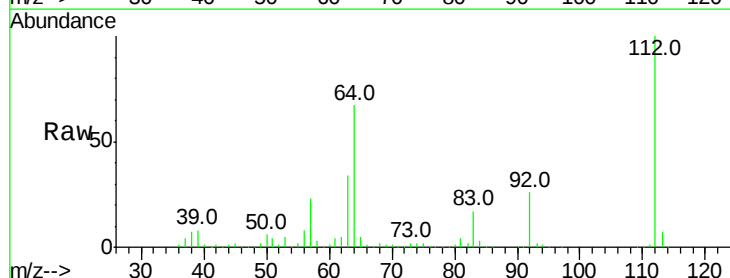
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



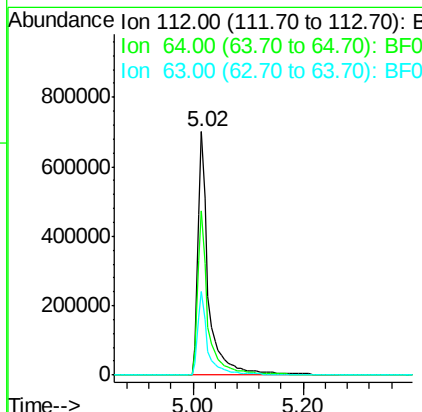
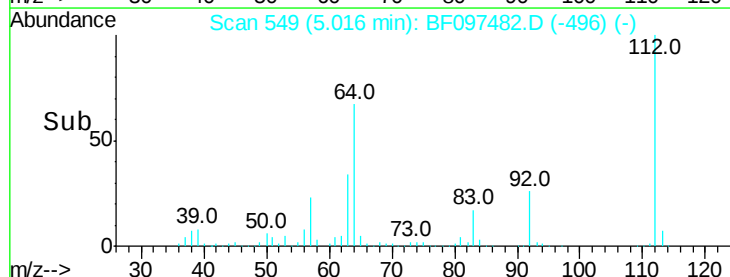
#5

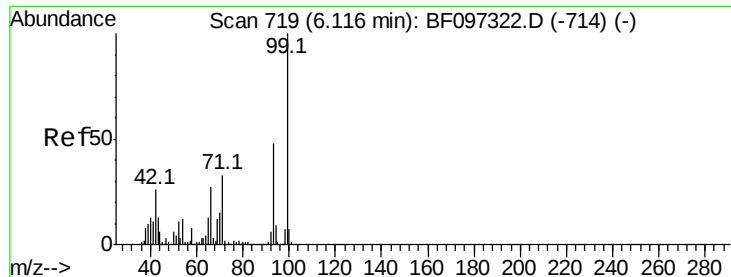
2-Fluorophenol  
Concen: 126.996 ng  
RT: 5.02 min Scan# 549  
Delta R.T. 0.01 min  
Lab File: BF097482.D  
Acq: 8 Aug 2017 21:40

Tgt Ion:112 Resp: 948896  
Ion Ratio Lower Upper  
112 100  
64 67.4 46.0 69.0  
63 34.3 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 124.352 ng

RT: 6.08 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097482.D

Acq: 8 Aug 2017 21:40

Instrument :

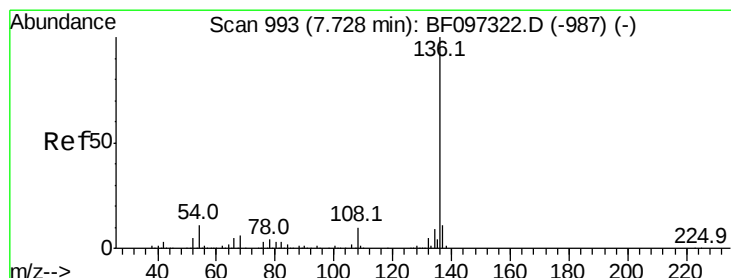
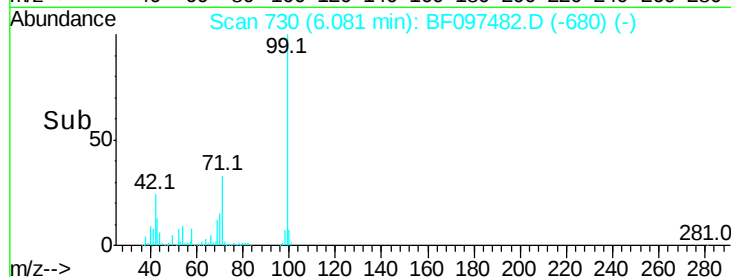
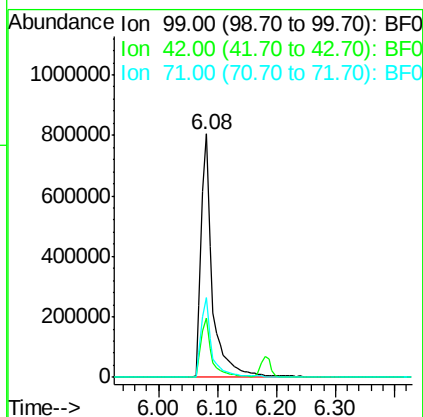
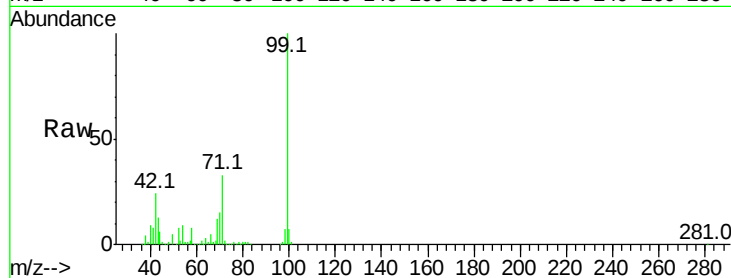
BNA\_F

ClientSampleId :

N-STOCKPILE-COMP

Tot Ion: 99 Resp: 1060719

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 24.2  | 13.5  | 20.3# |
| 71  | 32.6  | 24.5  | 36.7  |



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.69 min Scan# 1003

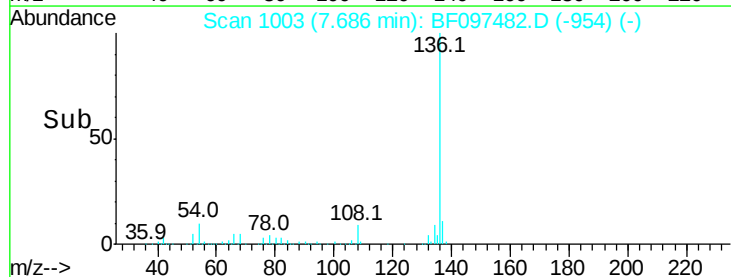
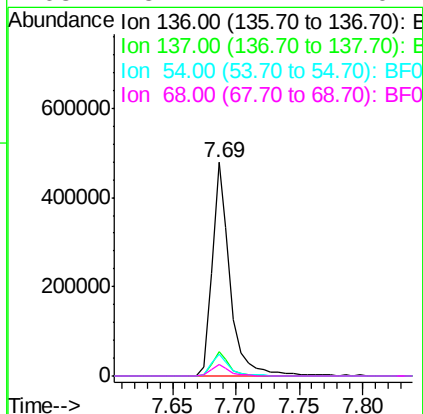
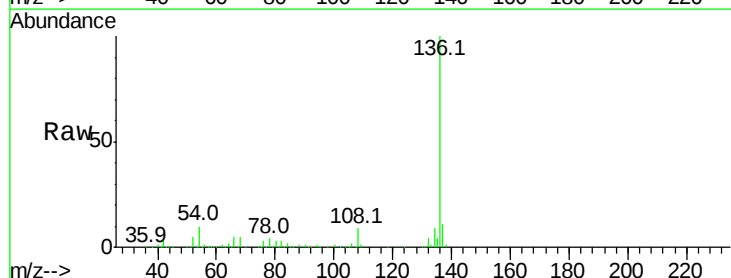
Delta R.T. -0.01 min

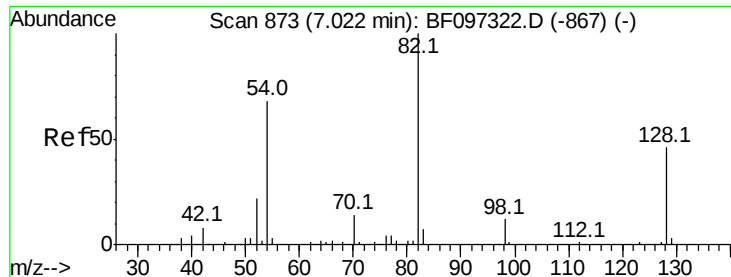
Lab File: BF097482.D

Acq: 8 Aug 2017 21:40

Tgt Ion: 136 Resp: 473788

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.4  | 8.5   | 12.7  |
| 54  | 10.5  | 4.9   | 7.3#  |
| 68  | 5.4   | 4.1   | 6.1   |

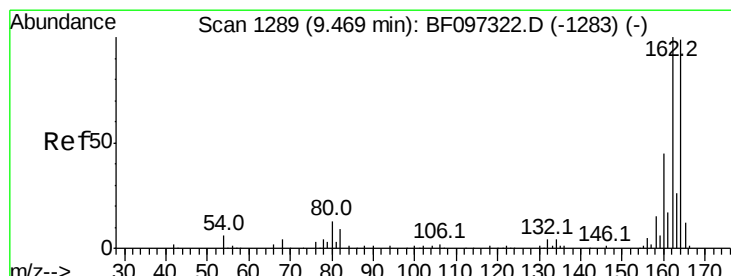
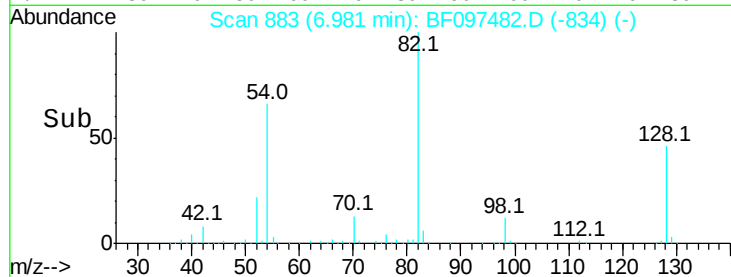
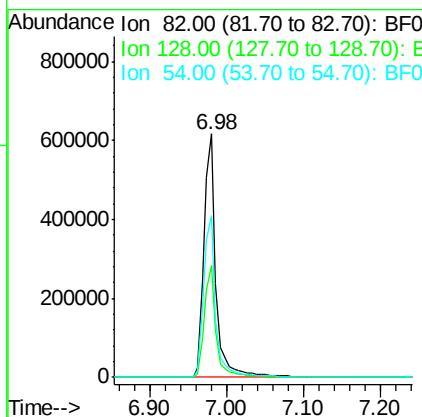
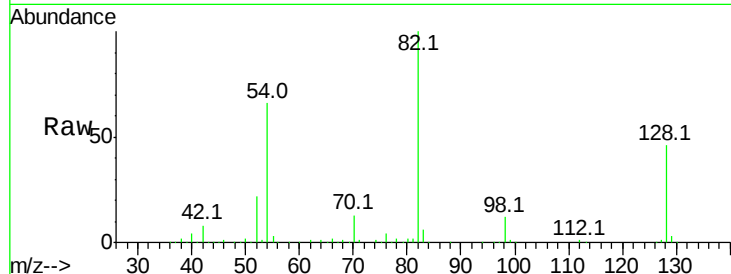




#23  
 Nitrobenzene-d5  
 Concen: 83.455 ng  
 RT: 6.98 min Scan# 883  
 Delta R.T. -0.01 min  
 Lab File: BF097482.D  
 Acq: 8 Aug 2017 21:40

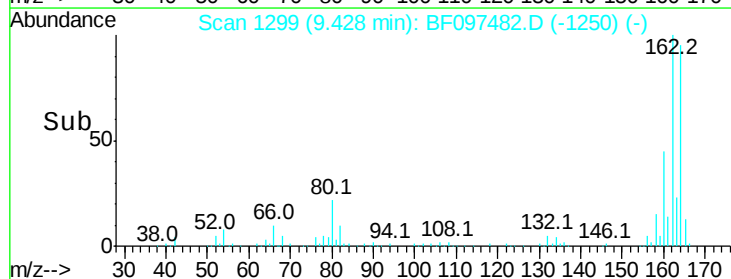
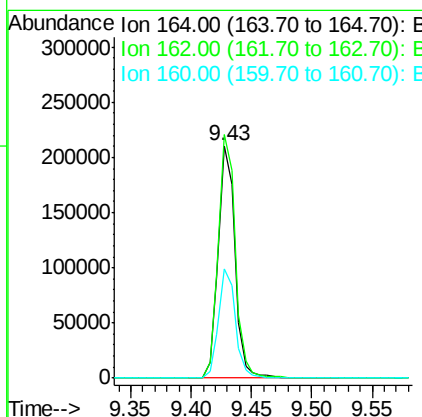
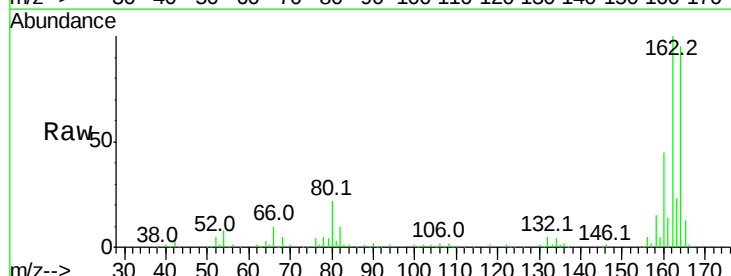
Instrument :  
 BNA\_F  
 ClientSampleId :  
 N-STOCKPILE-COMP

Tot Ion: 82 Resp: 674005  
 Ion Ratio Lower Upper  
 82 100  
 128 45.9 34.0 51.0  
 54 66.4 42.2 63.2#



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.43 min Scan# 1299  
 Delta R.T. -0.01 min  
 Lab File: BF097482.D  
 Acq: 8 Aug 2017 21:40

Tgt Ion:164 Resp: 201456  
 Ion Ratio Lower Upper  
 164 100  
 162 104.9 82.6 123.8  
 160 46.9 36.2 54.2

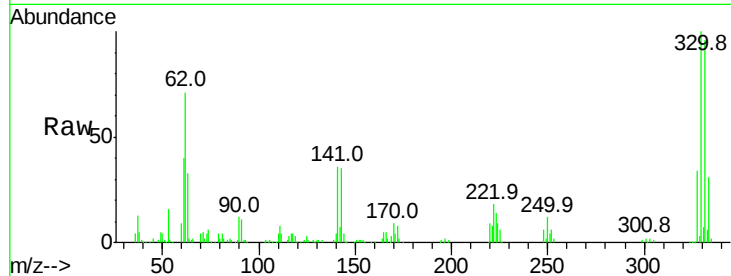




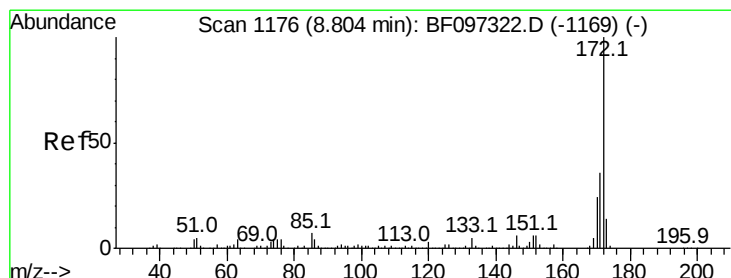
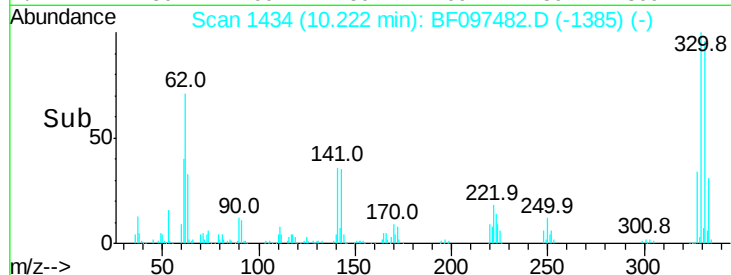
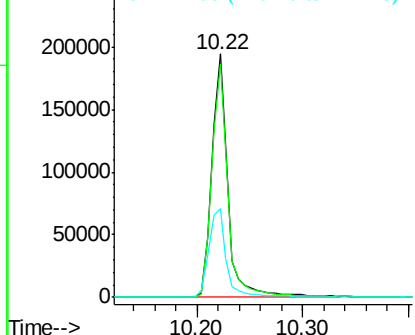
#41  
 2,4,6-Tribromophenol  
 Concen: 132.718 ng  
 RT: 10.22 min Scan# 1434  
 Delta R.T. -0.01 min  
 Lab File: BF097482.D  
 Acq: 8 Aug 2017 21:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 N-STOCKPILE-COMP

Tot Ion:330 Resp: 211247  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 76.6 115.0  
 141 40.4 31.4 47.2

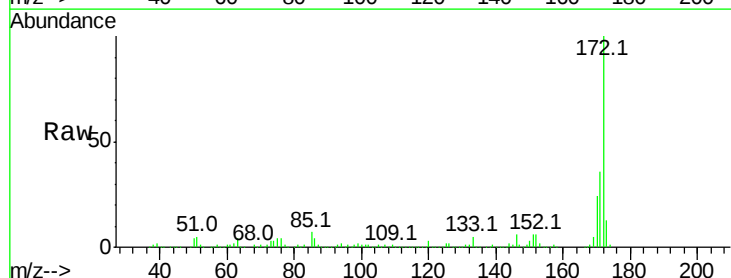


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

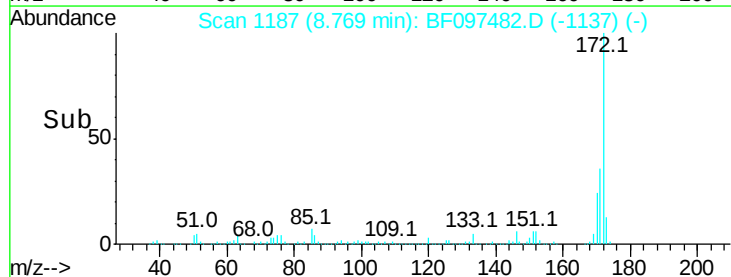
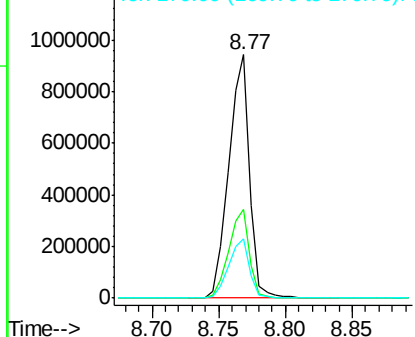


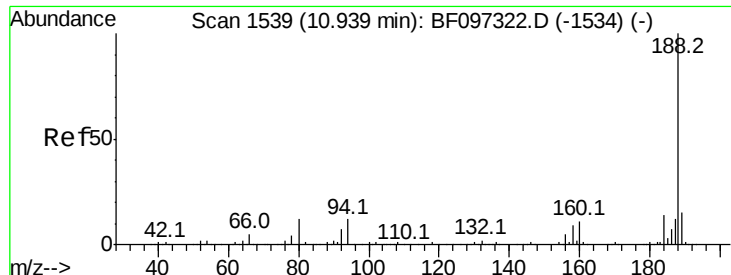
#44  
 2-Fluorobiphenyl  
 Concen: 87.070 ng  
 RT: 8.77 min Scan# 1187  
 Delta R.T. -0.01 min  
 Lab File: BF097482.D  
 Acq: 8 Aug 2017 21:40

Tgt Ion:172 Resp: 1033581  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.6 44.4  
 170 24.5 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

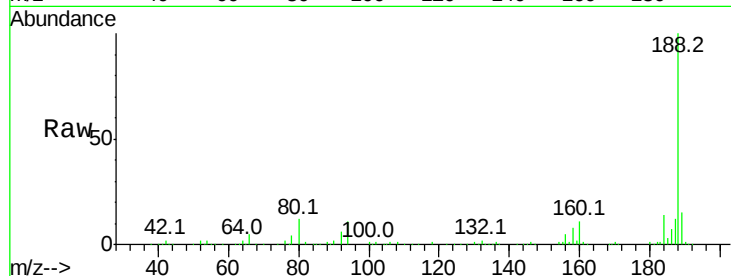




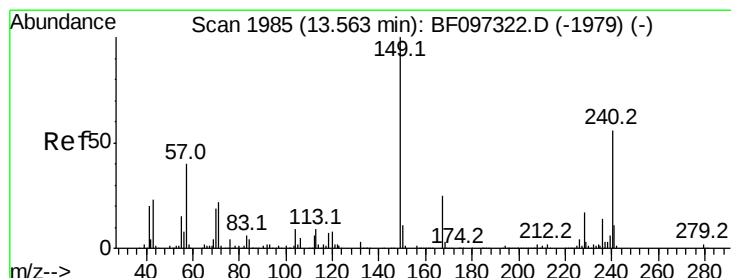
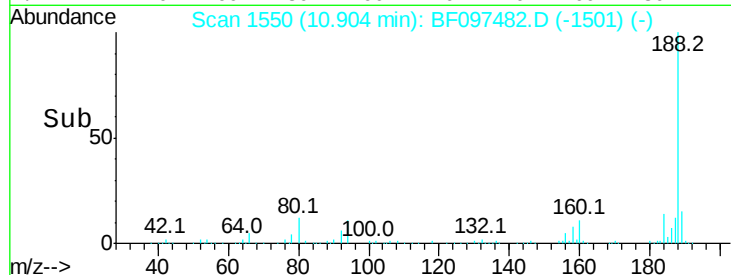
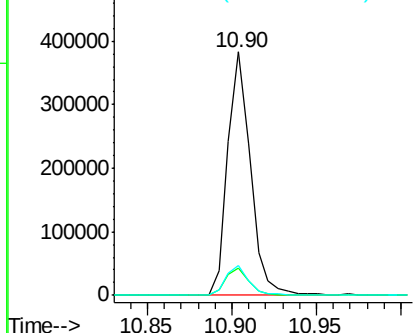
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 10.90 min Scan# 1550  
Delta R.T. -0.01 min  
Lab File: BF097482.D  
Acq: 8 Aug 2017 21:40

Instrument :  
BNA\_F  
ClientSampleId :  
N-STOCKPILE-COMP

Tot Ion:188 Resp: 360954  
Ion Ratio Lower Upper  
188 100  
94 11.0 9.4 14.2  
80 12.5 10.2 15.2

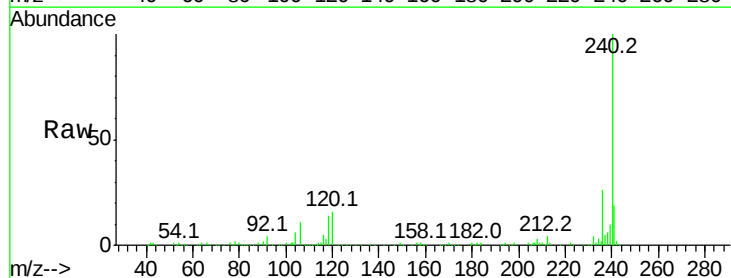


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

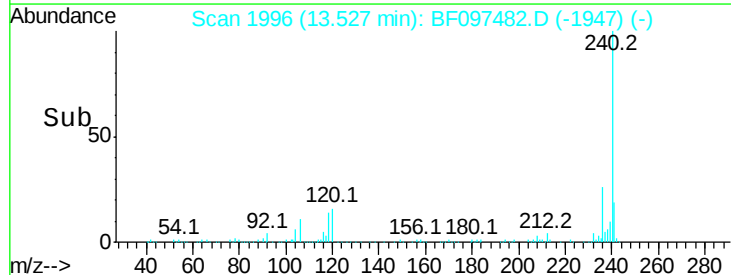
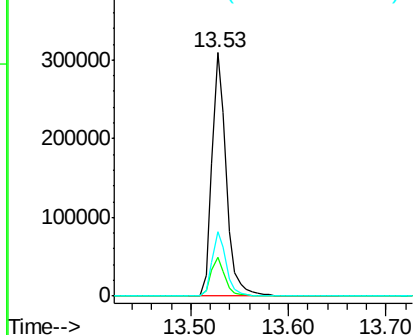


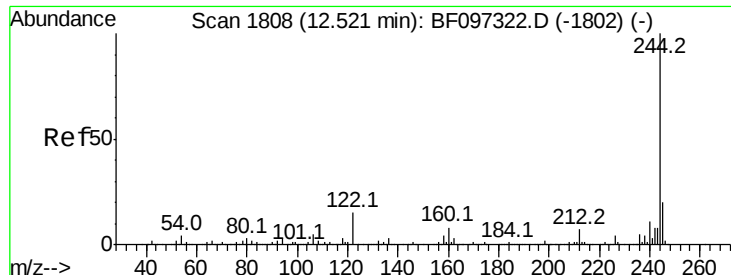
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.53 min Scan# 1996  
Delta R.T. -0.01 min  
Lab File: BF097482.D  
Acq: 8 Aug 2017 21:40

Tgt Ion:240 Resp: 315738  
Ion Ratio Lower Upper  
240 100  
120 15.7 5.8 8.8#  
236 26.3 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: 56.482 ng

RT: 12.49 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF097482.D

Acq: 8 Aug 2017 21:40

Instrument :

BNA\_F

ClientSampleId :

N-STOCKPILE-COMP

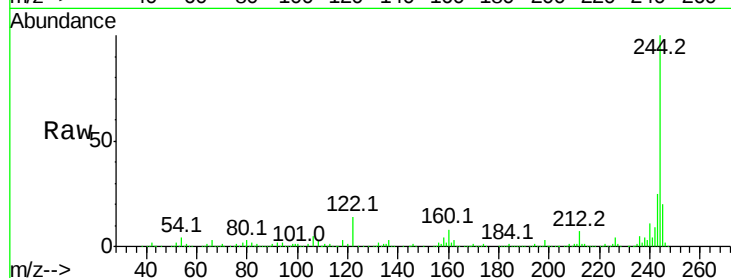
Tot Ion:244 Resp: 874680

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

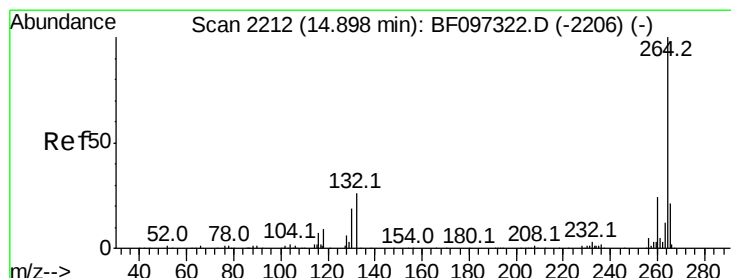
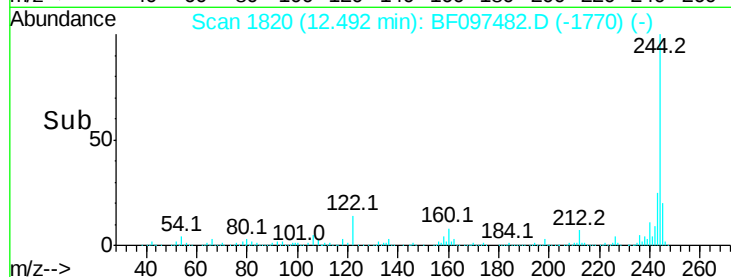
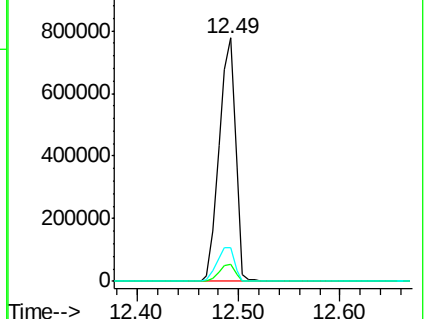
122 13.7 10.3 15.5



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: 14.87 min Scan# 2224

Delta R.T. 0.00 min

Lab File: BF097482.D

Acq: 8 Aug 2017 21:40

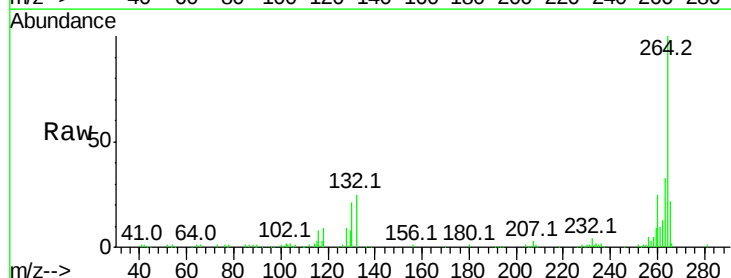
Tgt Ion:264 Resp: 140976

Ion Ratio Lower Upper

264 100

260 25.2 19.5 29.3

265 21.5 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

