

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071117\  
 Data File : BF096671.D  
 Acq On : 12 Jul 2017 4:41  
 Operator : SJ/JU  
 Sample : I4130-07  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-HS1-NSW

Quant Time: Jul 12 05:12:26 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF070117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 07 13:02:33 2017  
 Response via : Initial Calibration

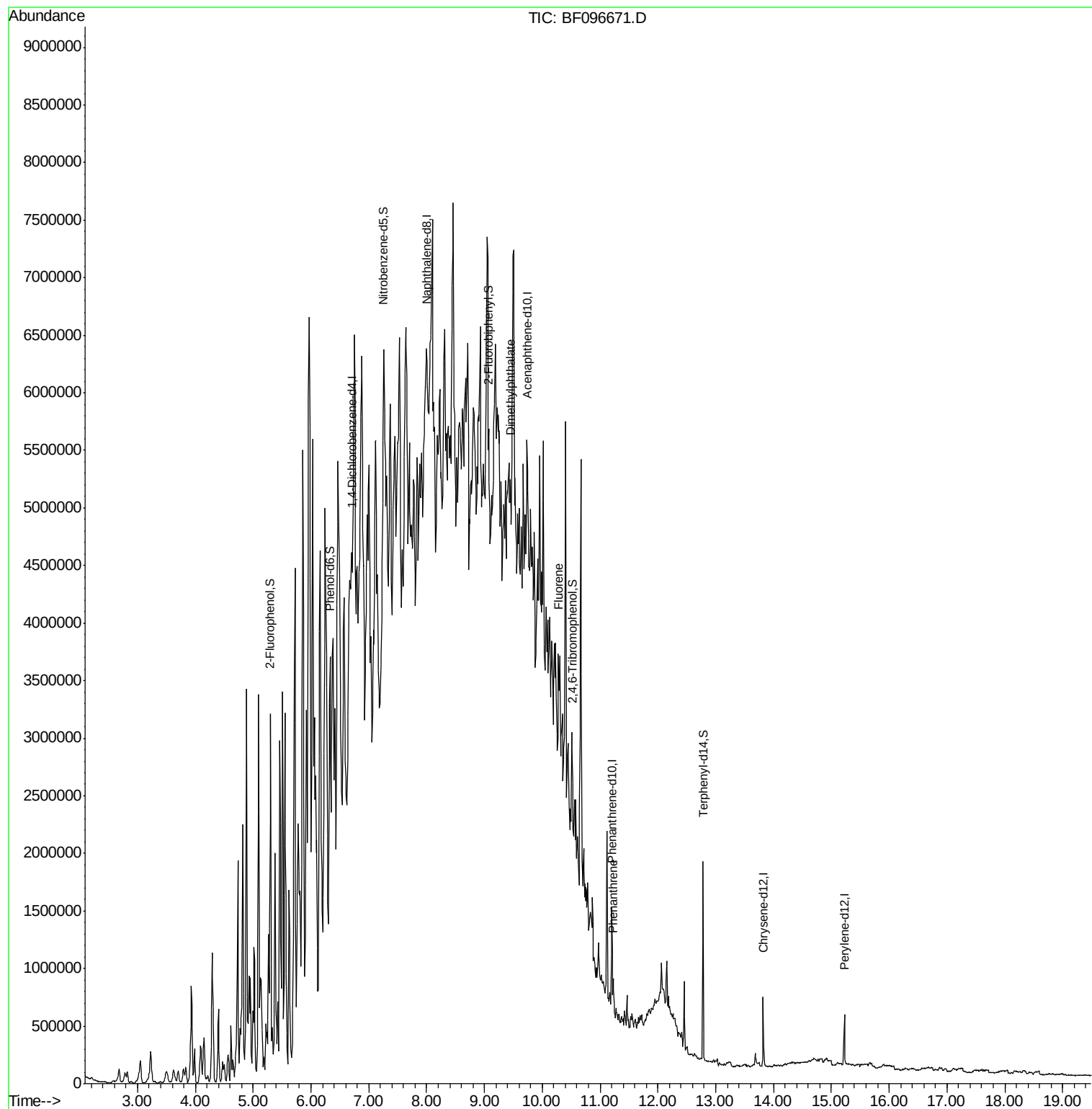
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.70  | 152  | 83396    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.99  | 136  | 204343   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.75  | 164  | 106669   | 20.00  | ng    | 0.01     |
| 63) Phenanthrene-d10        | 11.20 | 188  | 302390   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.83 | 240  | 214003   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.23 | 264  | 193935   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.30  | 112  | 757504   | 134.07 | ng    | 0.00     |
| 7) Phenol-d6                | 6.33  | 99   | 784142   | 112.89 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 323722   | 95.20  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.52 | 330  | 127828   | 153.42 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.07  | 172  | 513054   | 82.24  | ng    | 0.01     |
| 78) Terphenyl-d14           | 12.78 | 244  | 544280   | 54.35  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       |          |
| 49) Dimethylphthalate       | 9.46  | 163  | 132245   | 16.608 | ng    | # 92     |
| 57) Fluorene                | 10.29 | 166  | 65616    | 10.578 | ng    | # 85     |
| 70) Phenanthrene            | 11.23 | 178  | 33244    | 2.034  | ng    | # 95     |

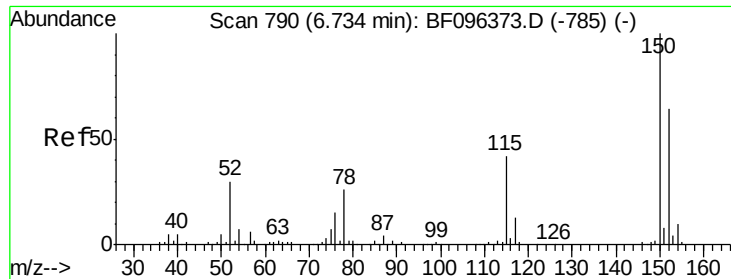
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_F  
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E2-HS1-NSW

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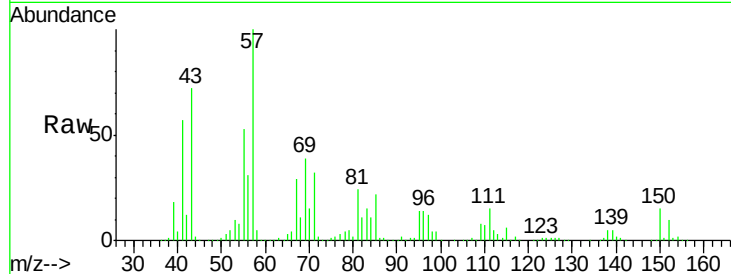


#1

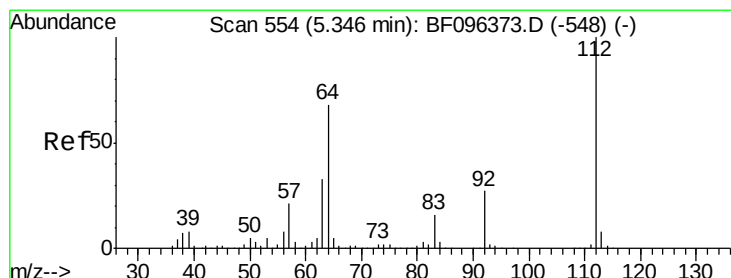
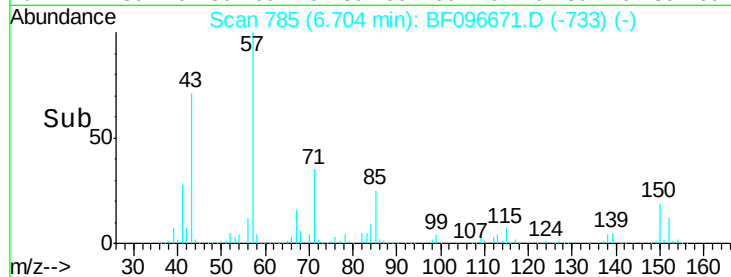
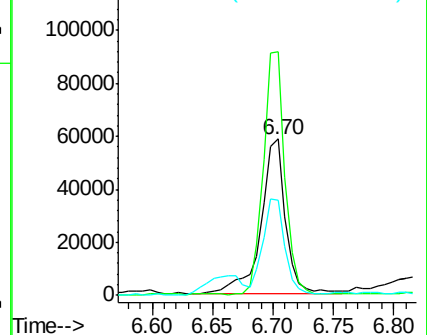
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.70 min Scan# 785  
Delta R.T. 0.01 min  
Lab File: BF096671.D  
Acq: 12 Jul 2017 4:41

Instrument :  
BNA\_F  
ClientSampleId :  
E2-HS1-NSW

Tgt Ion:152 Resp: 83396  
Ion Ratio Lower Upper  
152 100  
150 156.0 126.2 189.2  
115 61.3 52.2 78.2



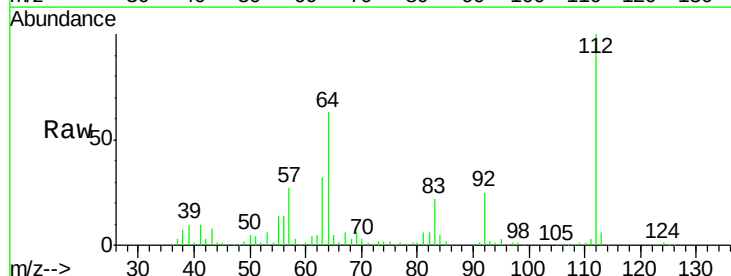
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



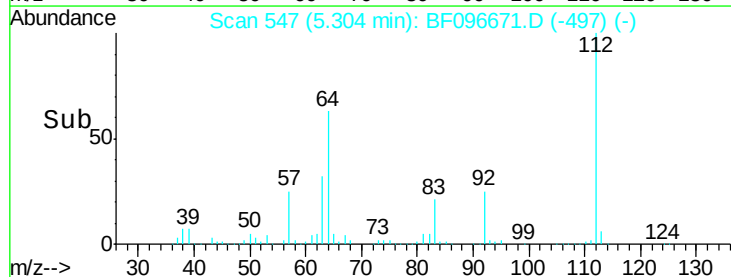
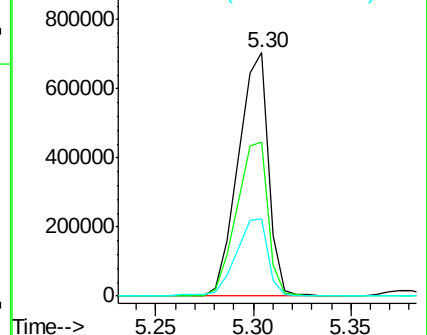
#5

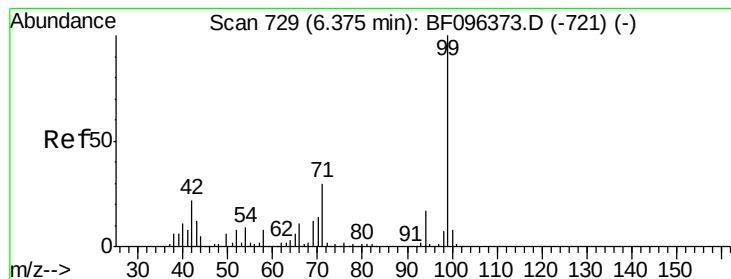
2-Fluorophenol  
Concen: 134.066 ng  
RT: 5.30 min Scan# 547  
Delta R.T. -0.01 min  
Lab File: BF096671.D  
Acq: 12 Jul 2017 4:41

Tgt Ion:112 Resp: 757504  
Ion Ratio Lower Upper  
112 100  
64 63.3 46.0 69.0  
63 31.9 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: 112.887 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF096671.D

Acq: 12 Jul 2017 4:41

Instrument :

BNA\_F

ClientSampleId :

E2-HS1-NSW

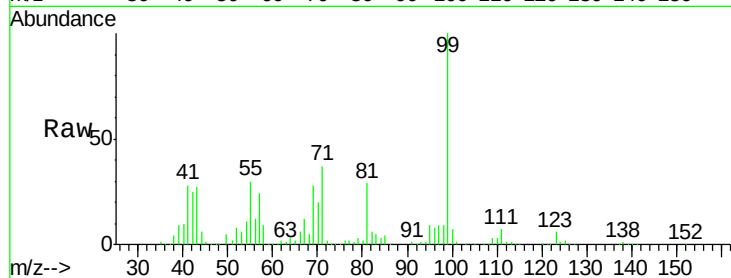
Tgt Ion: 99 Resp: 784142

Ion Ratio Lower Upper

99 100

42 25.0 13.5 20.3#

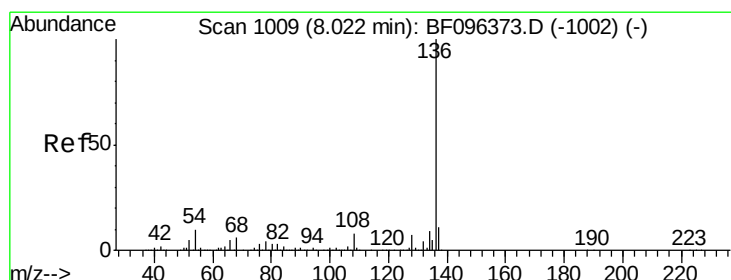
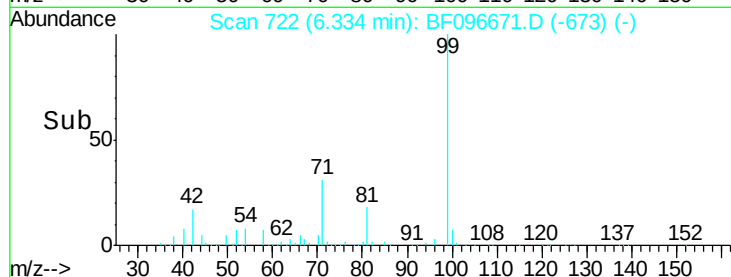
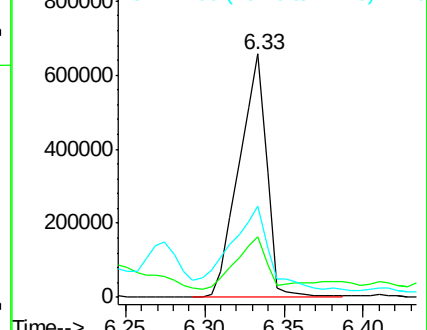
71 37.4 24.5 36.7#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. 0.01 min

Lab File: BF096671.D

Acq: 12 Jul 2017 4:41

Tgt Ion: 136 Resp: 204343

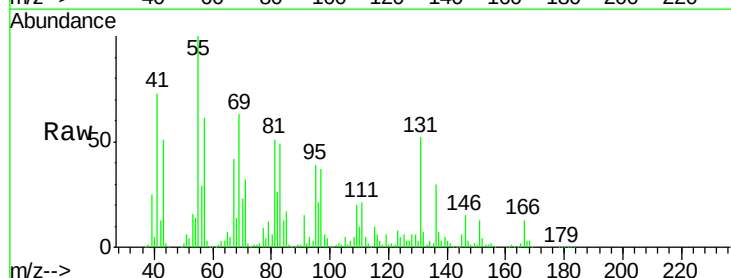
Ion Ratio Lower Upper

136 100

137 22.2 8.5 12.7#

54 46.0 4.9 7.3#

68 45.8 4.1 6.1#

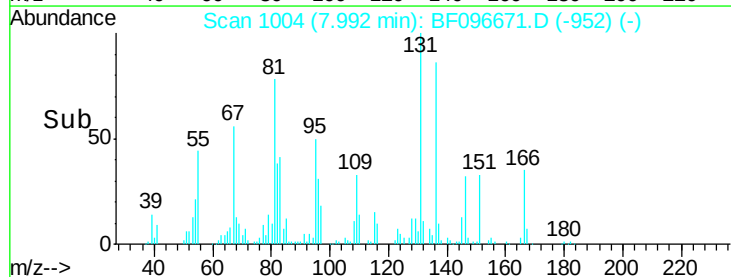
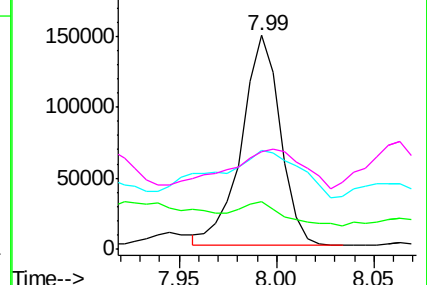


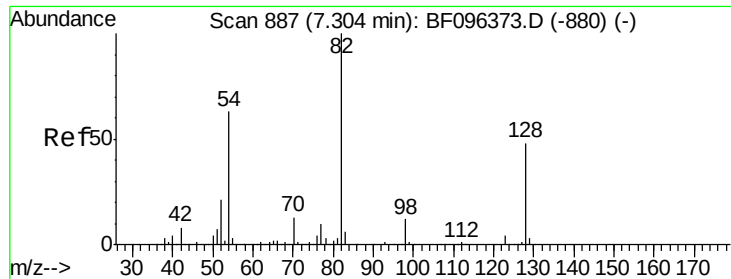
Abundance Ion 136.00 (135.70 to 136.70): E

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

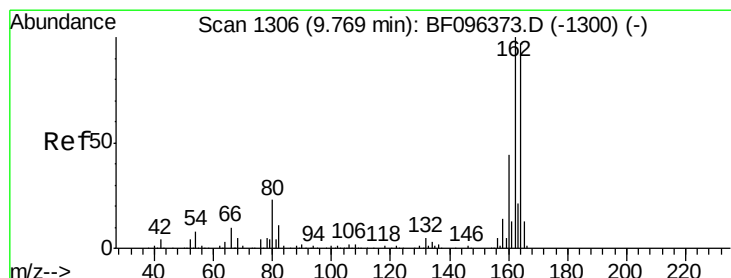
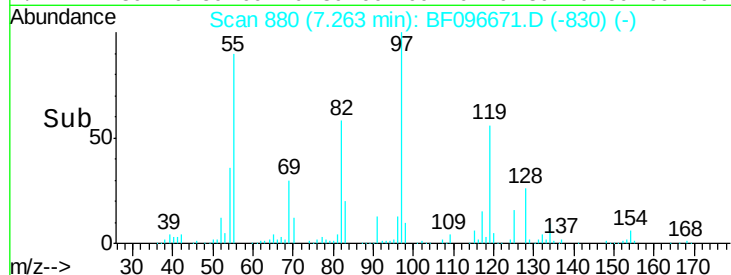
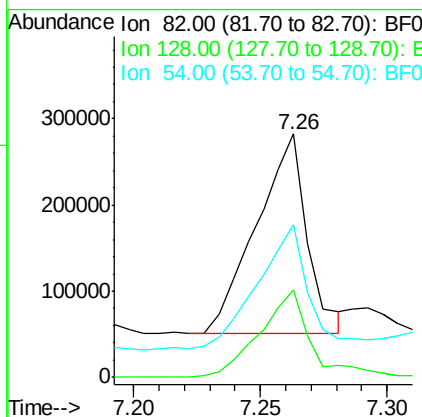
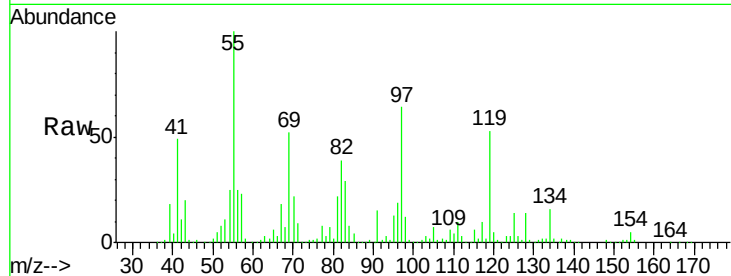




#23  
 Nitrobenzene-d5  
 Concen: 95.196 ng  
 RT: 7.26 min Scan# 880  
 Delta R.T. -0.01 min  
 Lab File: BF096671.D  
 Acq: 12 Jul 2017 4:41

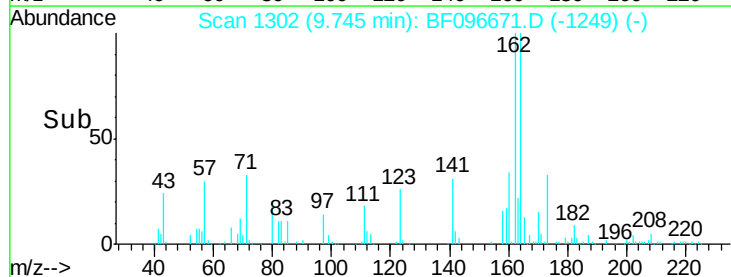
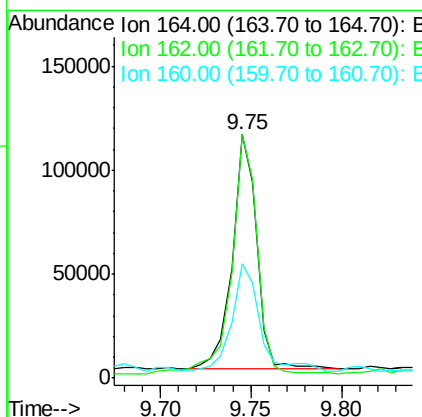
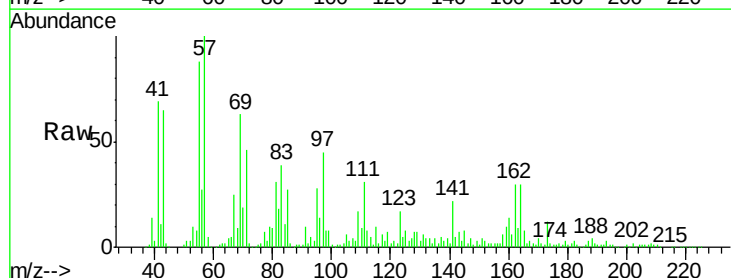
Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-HS1-NSW

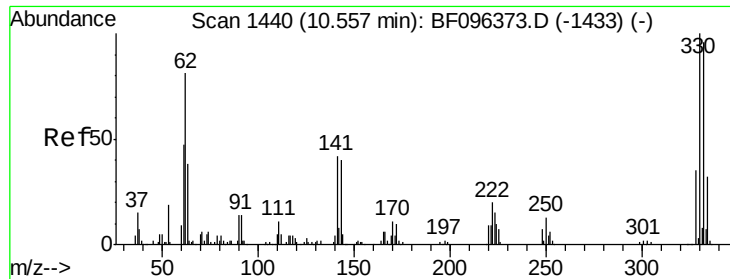
Tgt Ion: 82 Resp: 323722  
 Ion Ratio Lower Upper  
 82 100  
 128 35.9 34.0 51.0  
 54 62.6 42.2 63.2



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.75 min Scan# 1302  
 Delta R.T. 0.01 min  
 Lab File: BF096671.D  
 Acq: 12 Jul 2017 4:41

Tgt Ion: 164 Resp: 106669  
 Ion Ratio Lower Upper  
 164 100  
 162 100.0 82.6 123.8  
 160 47.2 36.2 54.2

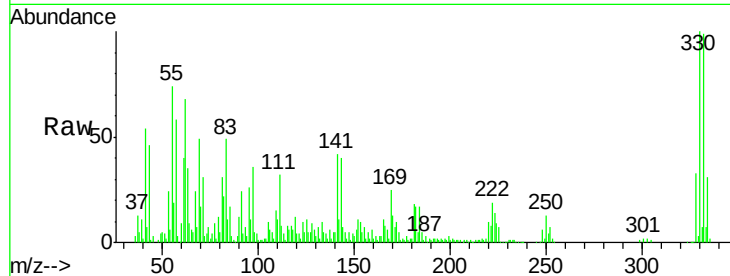




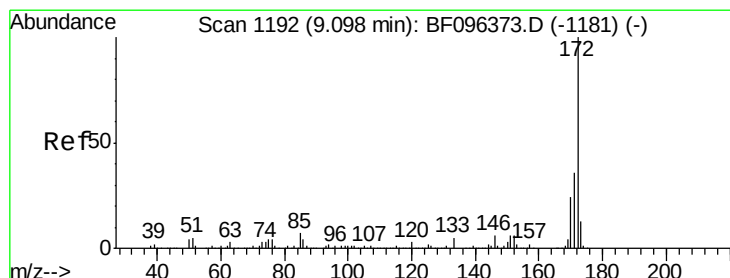
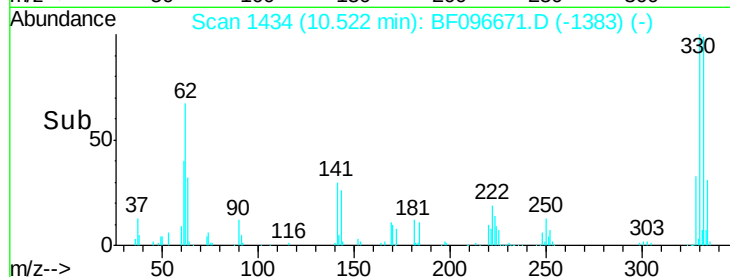
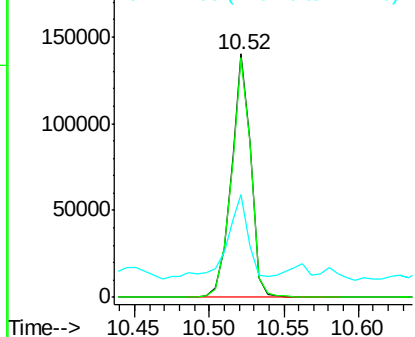
#41  
 2,4,6-Tribromophenol  
 Concen: 153.415 ng  
 RT: 10.52 min Scan# 1434  
 Delta R.T. -0.00 min  
 Lab File: BF096671.D  
 Acq: 12 Jul 2017 4:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-HS1-NSW

Tgt Ion: 330 Resp: 127828  
 Ion Ratio Lower Upper  
 330 100  
 332 99.0 76.6 115.0  
 141 39.3 31.4 47.2

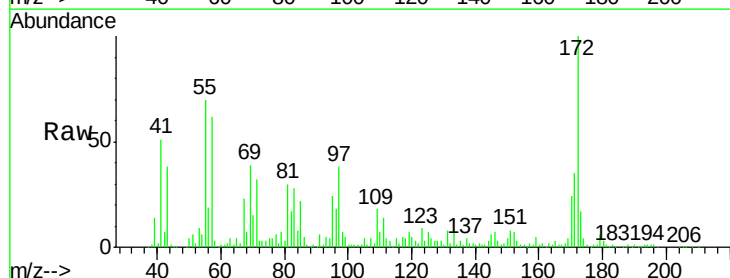


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

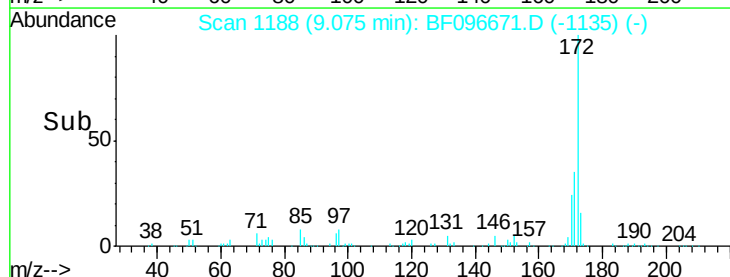
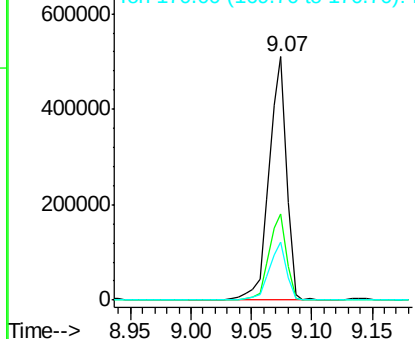


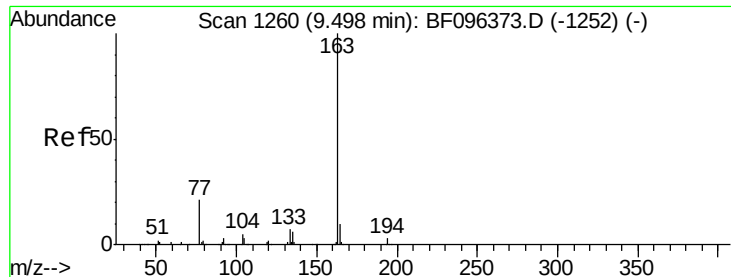
#44  
 2-Fluorobiphenyl  
 Concen: 82.236 ng  
 RT: 9.07 min Scan# 1188  
 Delta R.T. 0.01 min  
 Lab File: BF096671.D  
 Acq: 12 Jul 2017 4:41

Tgt Ion: 172 Resp: 513054  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 29.6 44.4  
 170 23.6 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

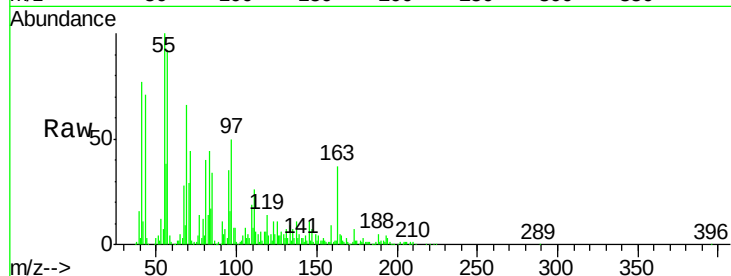




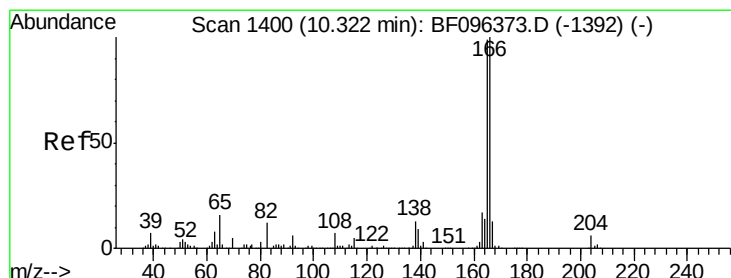
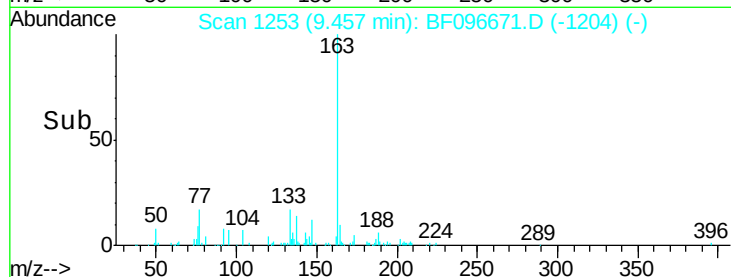
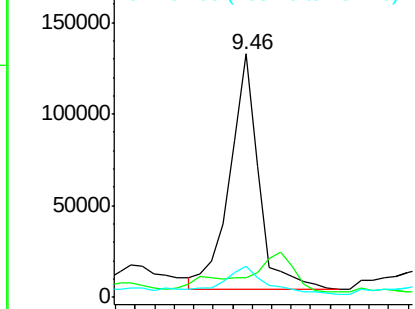
#49  
Dimethylphthalate  
Concen: 16.608 ng  
RT: 9.46 min Scan# 1253  
Delta R.T. -0.01 min  
Lab File: BF096671.D  
Acq: 12 Jul 2017 4:41

Instrument :  
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E2-HS1-NSW

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 8.1   | 2.6   | 4.0#  |
| 164     | 12.5  | 8.4   | 12.6  |

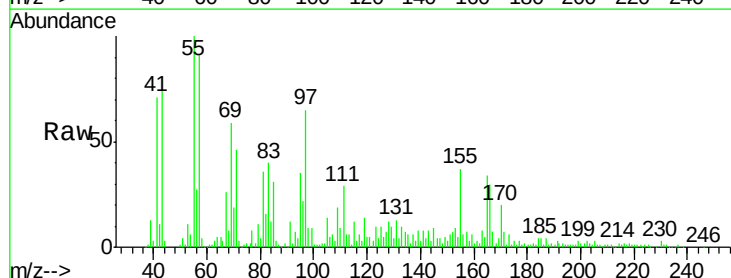


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

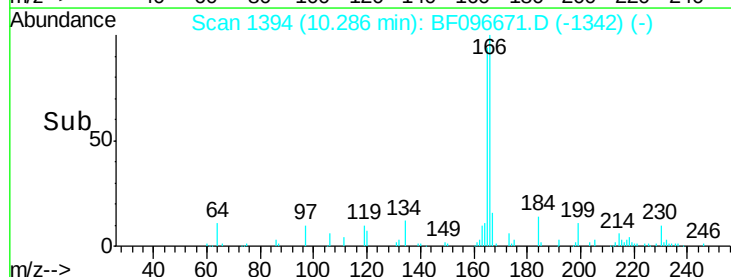
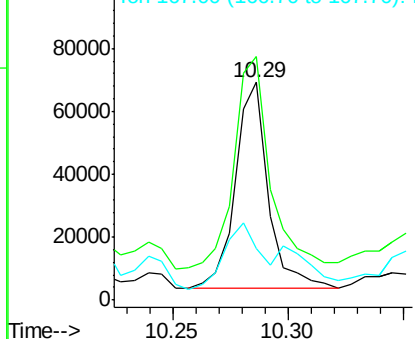


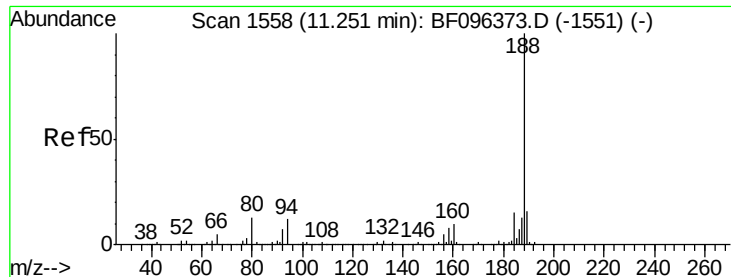
#57  
Fluorene  
Concen: 10.578 ng  
RT: 10.29 min Scan# 1394  
Delta R.T. 0.01 min  
Lab File: BF096671.D  
Acq: 12 Jul 2017 4:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 112.0 | 78.8  | 118.2 |
| 167     | 23.8  | 10.6  | 16.0# |



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E

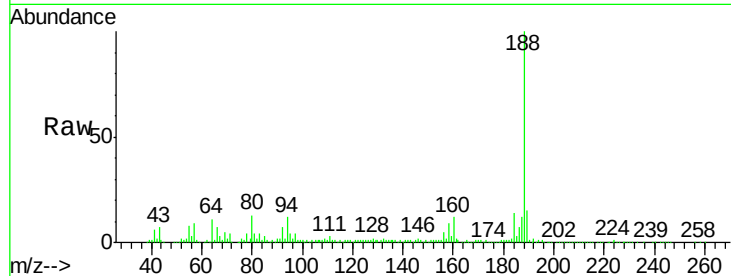




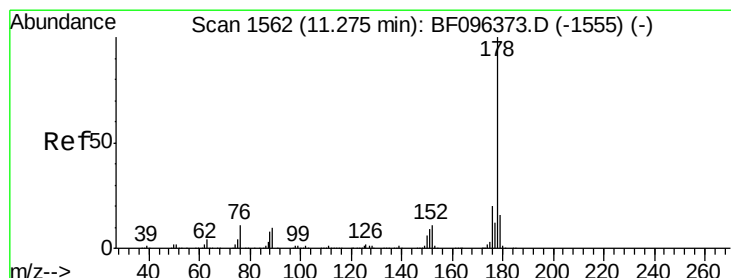
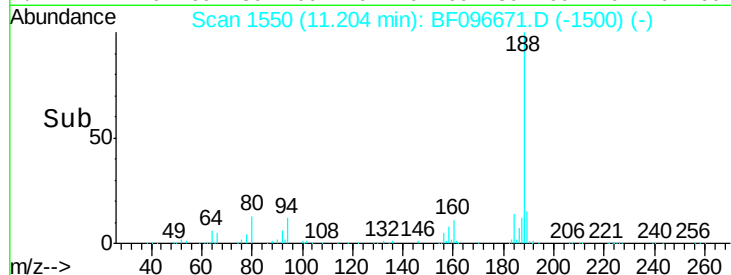
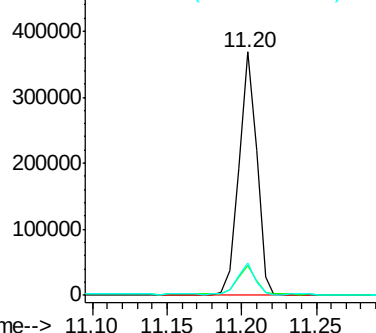
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.20 min Scan# 1550  
Delta R.T. -0.01 min  
Lab File: BF096671.D  
Acq: 12 Jul 2017 4:41

Instrument :  
BNA\_F  
ClientSampleId :  
E2-HS1-NSW

Tgt Ion:188 Resp: 302390  
Ion Ratio Lower Upper  
188 100  
94 12.5 9.4 14.2  
80 13.2 10.2 15.2

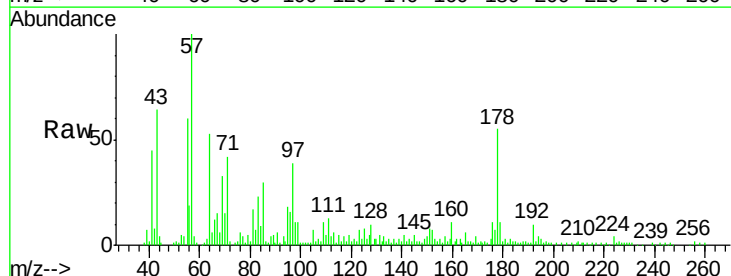


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

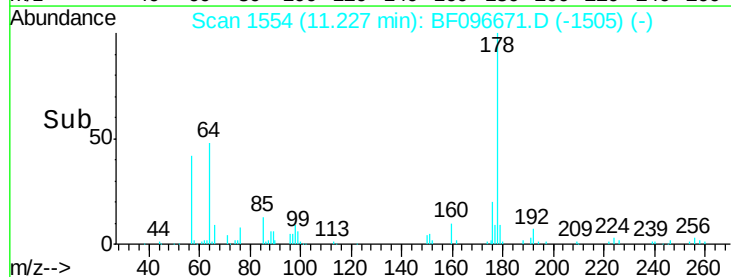
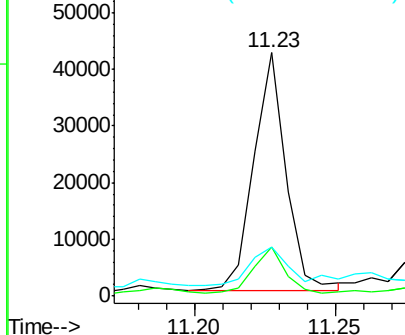


#70  
Phenanthrene  
Concen: 2.034 ng  
RT: 11.23 min Scan# 1554  
Delta R.T. -0.01 min  
Lab File: BF096671.D  
Acq: 12 Jul 2017 4:41

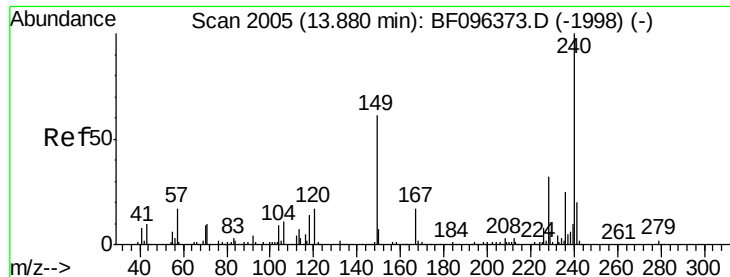
Tgt Ion:178 Resp: 33244  
Ion Ratio Lower Upper  
178 100  
176 19.9 16.2 24.4  
179 20.0 12.6 19.0#



Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E







#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF096671.D

Acq: 12 Jul 2017 4:41

Instrument :

BNA\_F

ClientSampleId :

E2-HS1-NSW

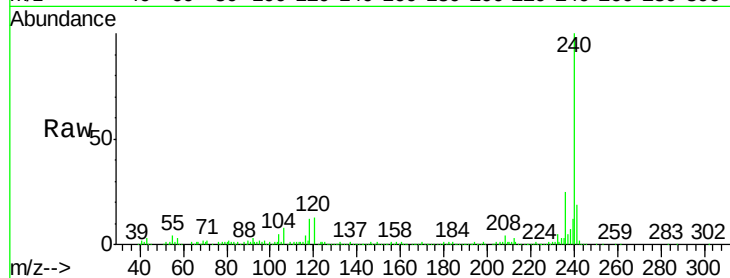
Tgt Ion:240 Resp: 214003

Ion Ratio Lower Upper

240 100

120 12.9 5.8 8.8#

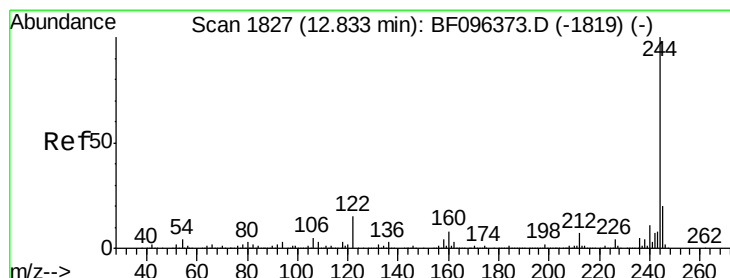
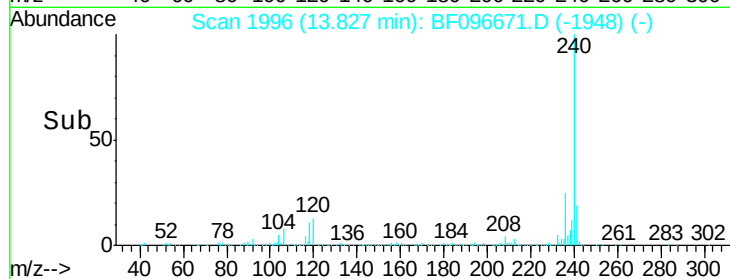
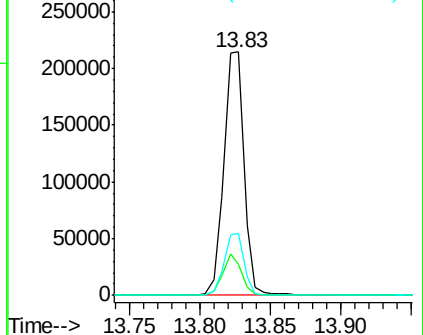
236 25.4 20.5 30.7



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: 54.347 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF096671.D

Acq: 12 Jul 2017 4:41

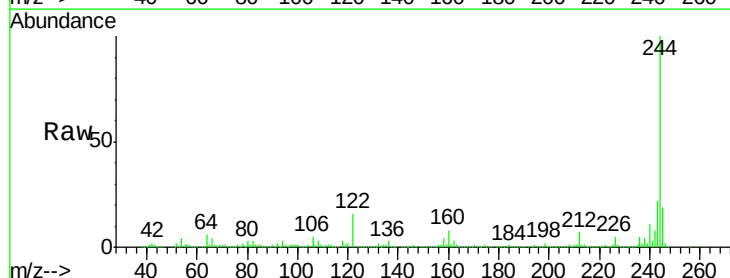
Tgt Ion:244 Resp: 544280

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

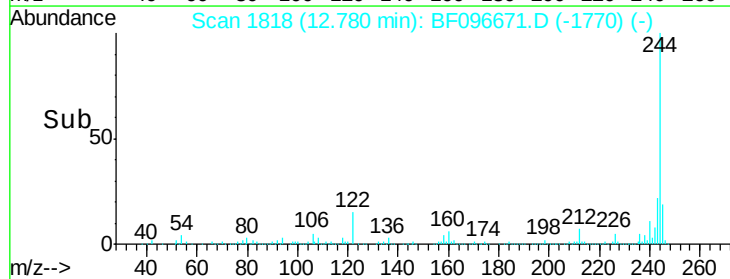
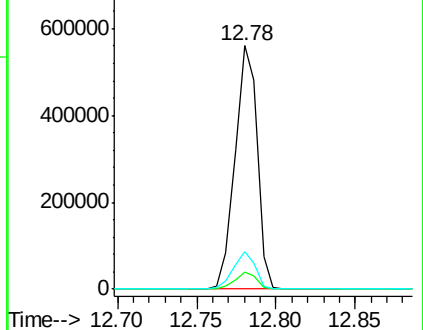
122 15.5 10.3 15.5#

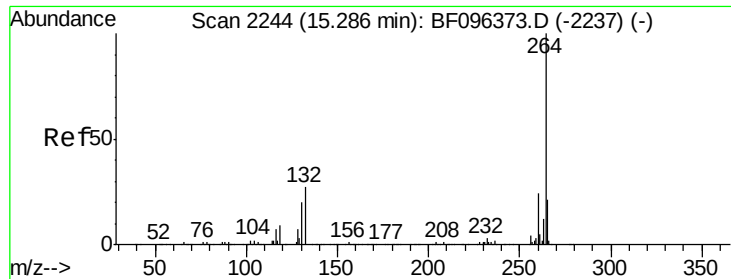


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

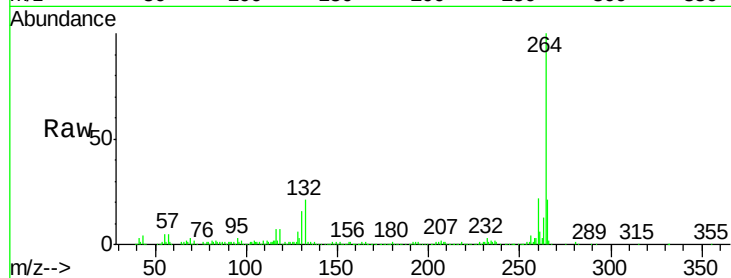




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.23 min Scan# 2234  
Delta R.T. -0.02 min  
Lab File: BF096671.D  
Acq: 12 Jul 2017 4:41

Instrument :  
BNA\_F  
ClientSampleId :  
E2-HS1-NSW

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 21.9  | 19.5  | 29.3  |
| 265     | 21.3  | 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

