

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\  
 Data File : BF087564.D  
 Acq On : 30 May 2016 23:19  
 Operator : UM/SJ  
 Sample : H3249-01  
 Misc :  
 ALS Vial : 82 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-15

Quant Time: May 31 02:05:41 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 25 16:26:52 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.48  | 152  | 110796   | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 9.52  | 136  | 418220   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 12.34 | 164  | 213590   | 20.00  | ng    | -0.05    |
| 63) Phenanthrene-d10        | 14.75 | 188  | 377770   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 18.49 | 240  | 240695   | 20.00  | ng    | 0.01     |
| 86) Perylene-d12            | 20.18 | 264  | 197497   | 20.00  | ng    | 0.05     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 279496   | 44.33  | ng    | 0.00     |
| 7) Phenol-d6                | 7.10  | 99   | 234309   | 27.50  | ng    | 0.02     |
| 23) Nitrobenzene-d5         | 8.40  | 82   | 760359   | 91.63  | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 13.63 | 330  | 232816   | 113.43 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl        | 11.28 | 172  | 1241885  | 81.97  | ng    | -0.06    |
| 78) Terphenyl-d14           | 17.10 | 244  | 1111839  | 98.21  | ng    | -0.03    |

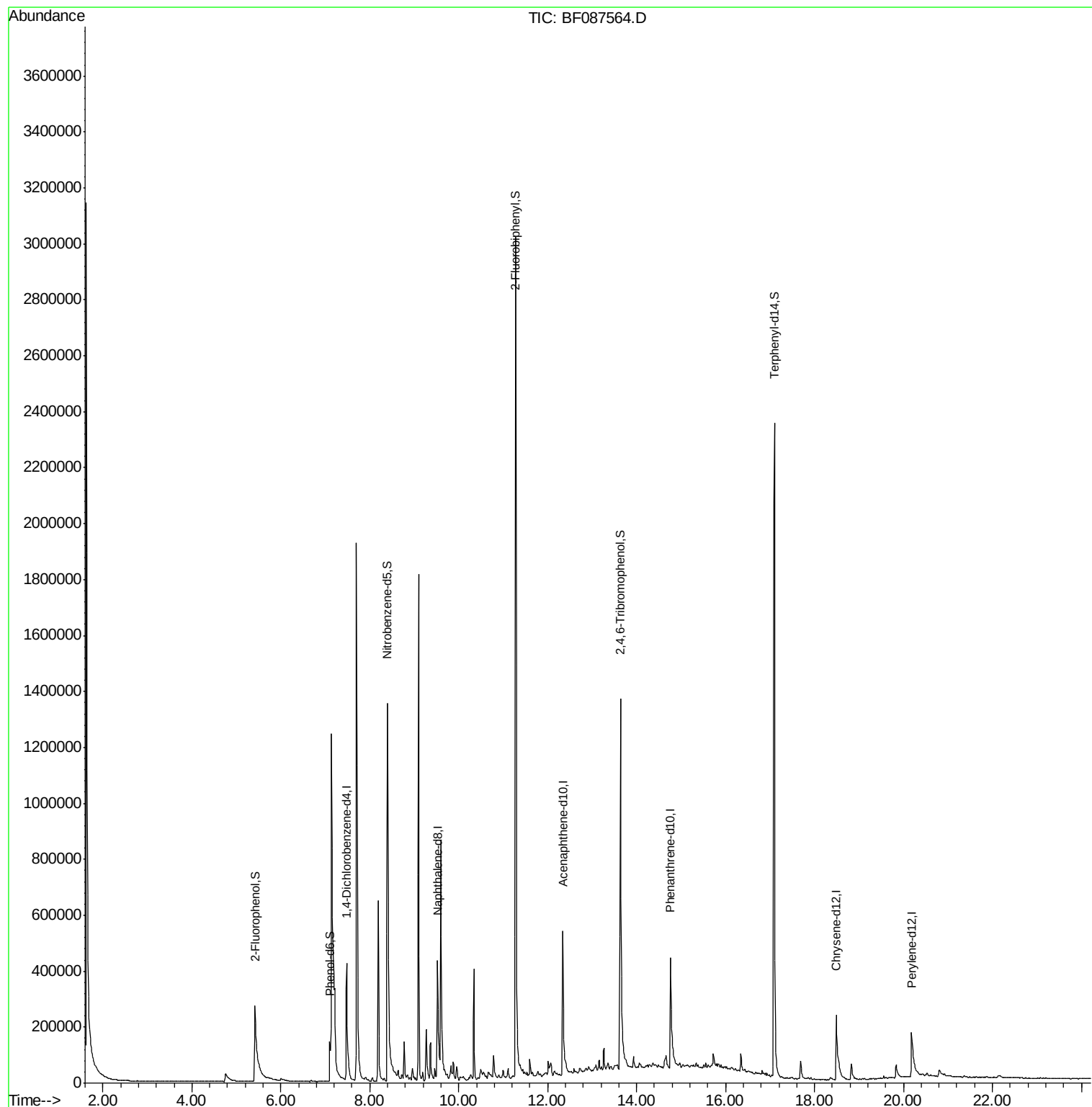
Target Compounds Qvalue

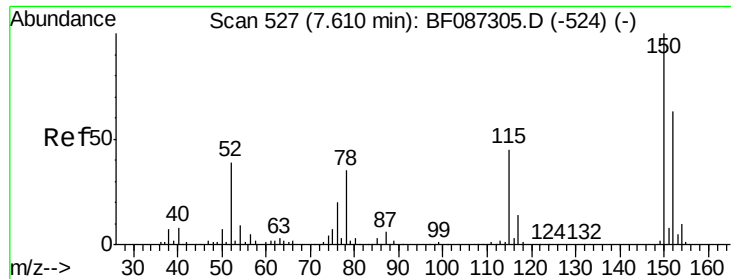
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\  
Data File : BF087564.D  
Acq On : 30 May 2016 23:19  
Operator : UM/SJ  
Sample : H3249-01  
Misc :  
ALS Vial : 82 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-15

Quant Time: May 31 02:05:41 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 25 16:26:52 2016  
Response via : Initial Calibration



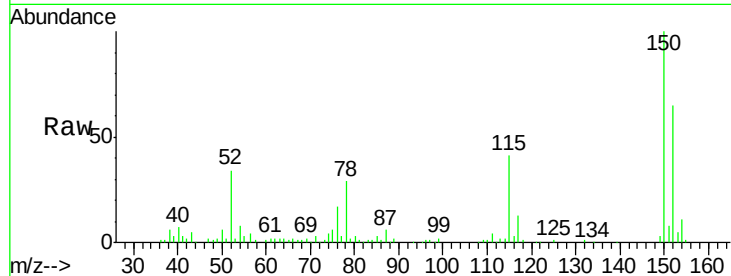


#1

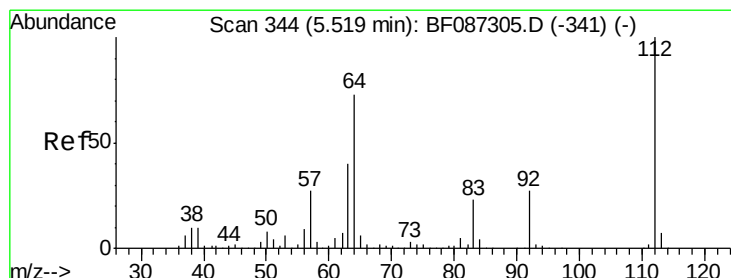
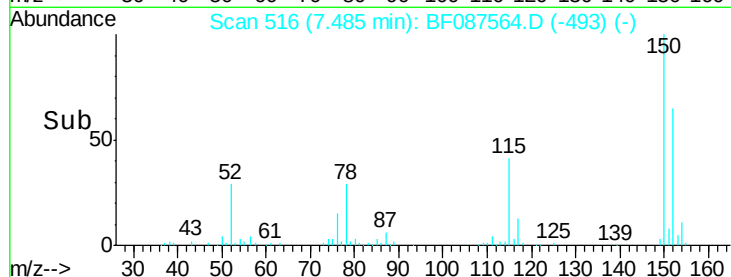
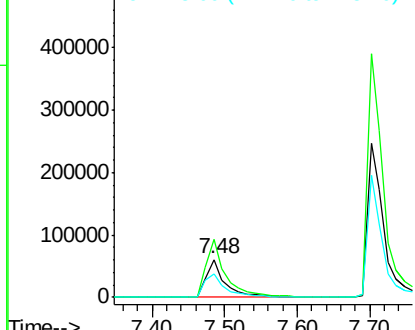
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.48 min Scan# 516  
Delta R.T. -0.03 min  
Lab File: BF087564.D  
Acq: 30 May 2016 23:19

Instrument :  
BNA\_F  
ClientSampleId :  
MW-15

Tot Ion:152 Resp: 110796  
Ion Ratio Lower Upper  
152 100  
150 154.3 125.8 188.6  
115 63.8 51.5 77.3



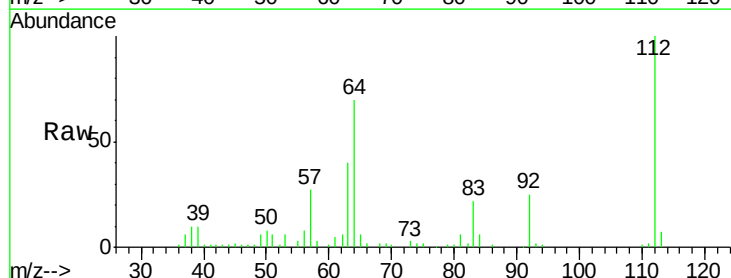
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



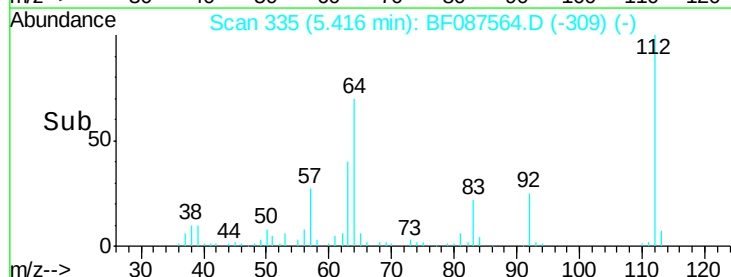
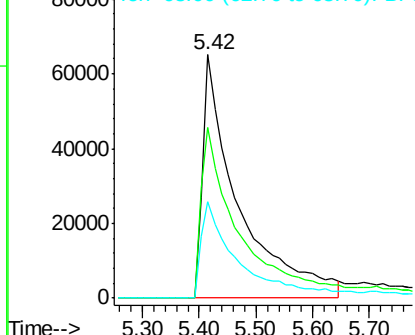
#5

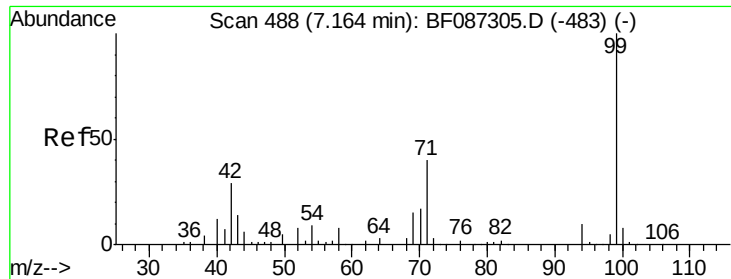
2-Fluorophenol  
Concen: 44.33 ng  
RT: 5.42 min Scan# 335  
Delta R.T. 0.00 min  
Lab File: BF087564.D  
Acq: 30 May 2016 23:19

Tgt Ion:112 Resp: 279496  
Ion Ratio Lower Upper  
112 100  
64 70.0 52.1 78.1  
63 39.8 25.7 38.5



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: 27.50 ng

RT: 7.10 min Scan# 482

Delta R.T. 0.02 min

Lab File: BF087564.D

Acq: 30 May 2016 23:19

Instrument :

BNA\_F

ClientSampled :

MW-15

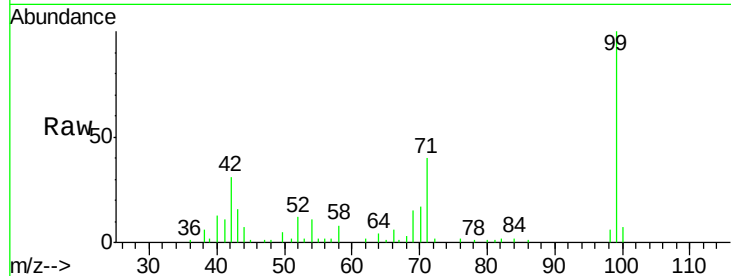
Tot Ion: 99 Resp: 234309

Ion Ratio Lower Upper

99 100

42 30.7 13.6 20.4#

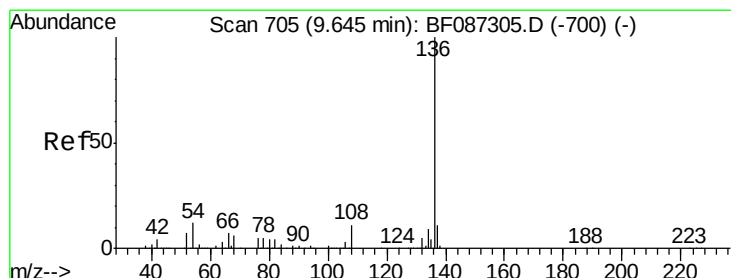
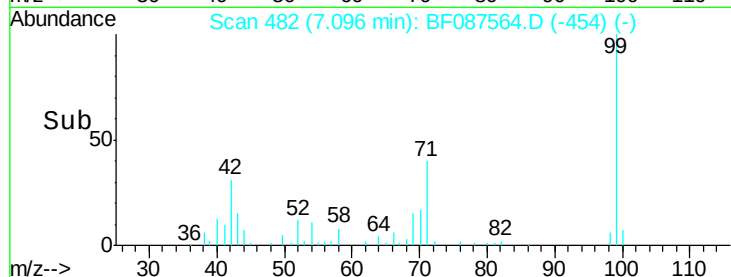
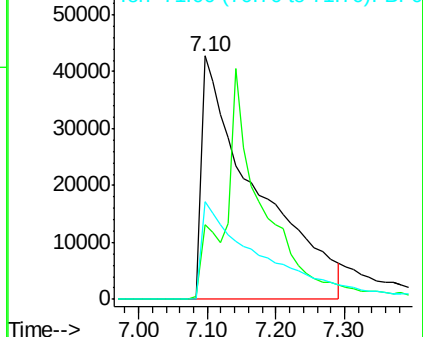
71 40.2 24.6 36.8#



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: 20.00 ng

RT: 9.52 min Scan# 694

Delta R.T. -0.03 min

Lab File: BF087564.D

Acq: 30 May 2016 23:19

Tgt Ion: 136 Resp: 418220

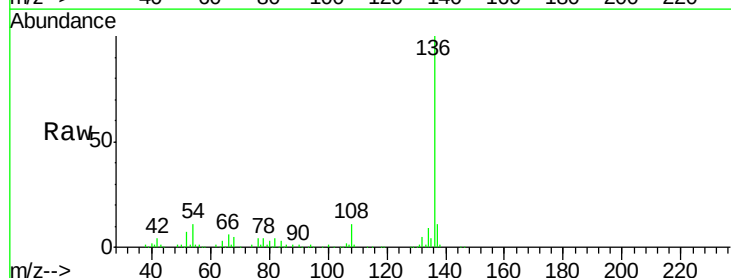
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 10.9 5.0 7.4#

68 5.2 4.4 6.6

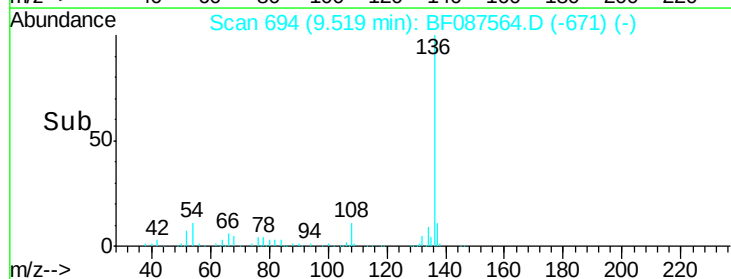
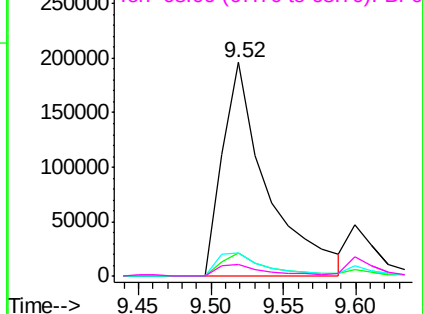


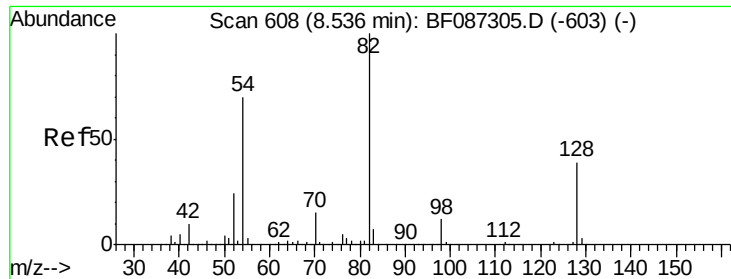
Abundance Ion 136.00 (135.70 to 136.70): E

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

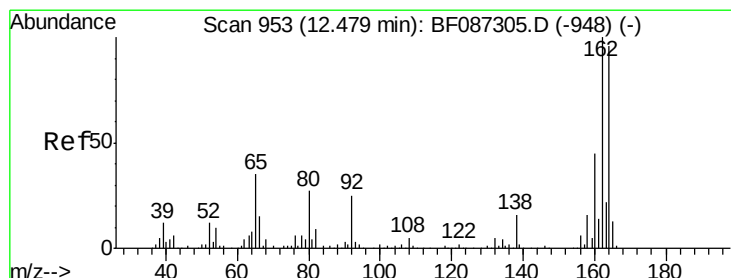
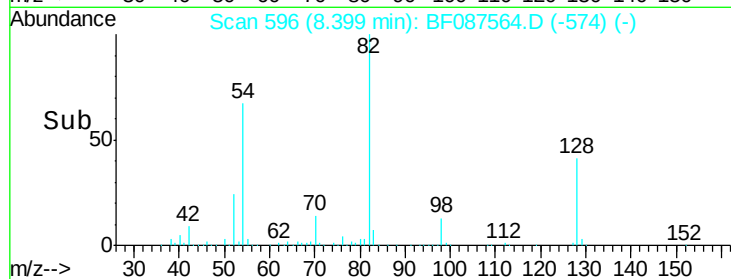
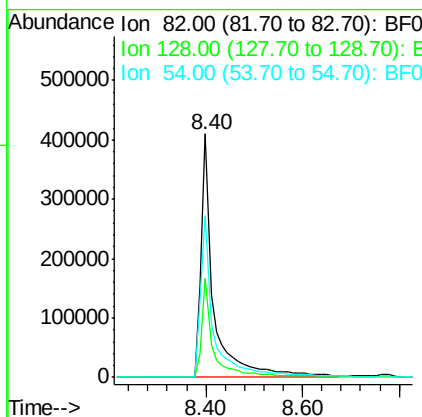
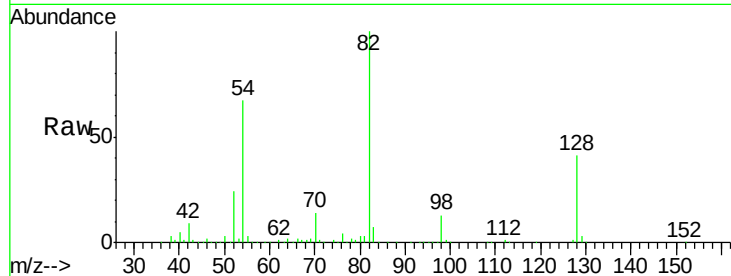




#23  
 Nitrobenzene-d5  
 Concen: 91.63 ng  
 RT: 8.40 min Scan# 596  
 Delta R.T. -0.05 min  
 Lab File: BF087564.D  
 Acq: 30 May 2016 23:19

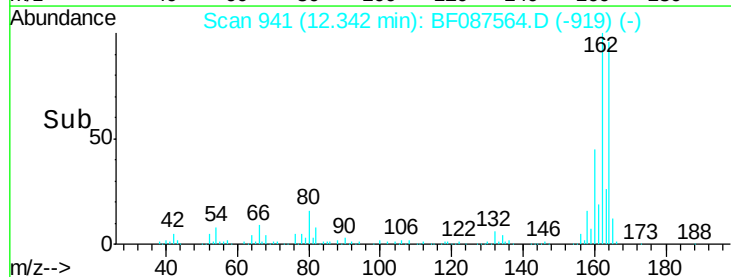
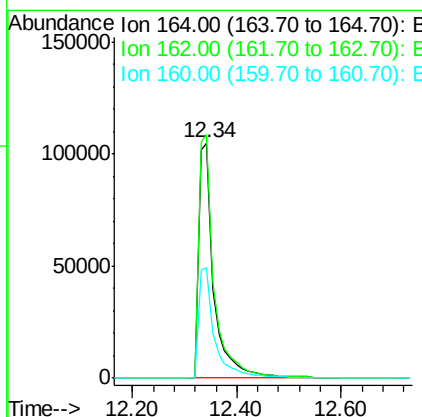
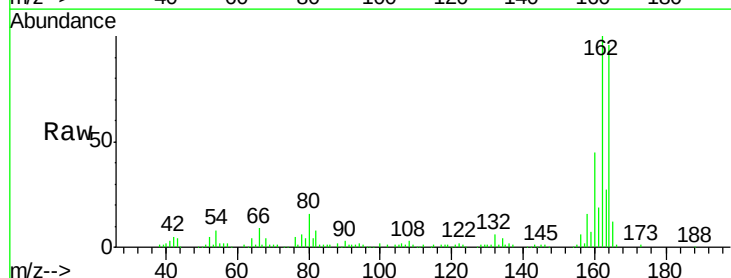
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-15

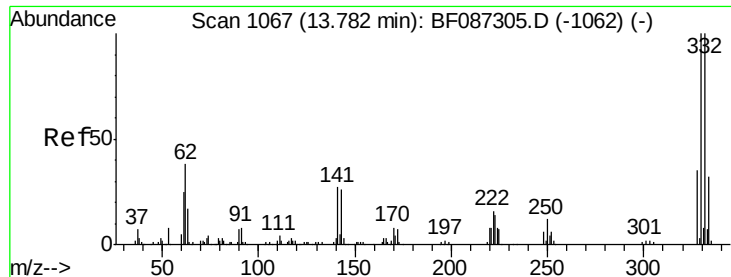
| Tot Ion   | 82    | Resp  | 760359 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 40.8  | 40.6  | 61.0   |
| 54        | 66.6  | 38.1  | 57.1#  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 12.34 min Scan# 941  
 Delta R.T. -0.05 min  
 Lab File: BF087564.D  
 Acq: 30 May 2016 23:19

| Tgt Ion   | 164   | Resp  | 213590 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 103.7 | 82.8  | 124.2  |
| 160       | 46.9  | 36.9  | 55.3   |





#41

2,4,6-Tribromophenol

Concen: 113.43 ng

RT: 13.63 min Scan# 1054

Delta R.T. -0.05 min

Lab File: BF087564.D

Acq: 30 May 2016 23:19

Instrument :

BNA\_F

ClientSampled :

MW-15

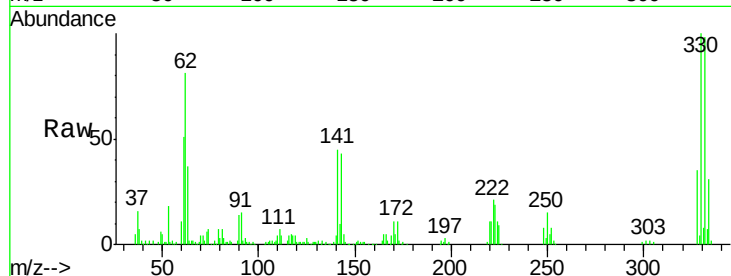
Tot Ion:330 Resp: 232816

Ion Ratio Lower Upper

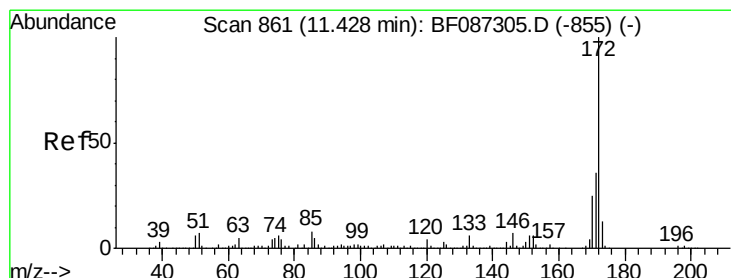
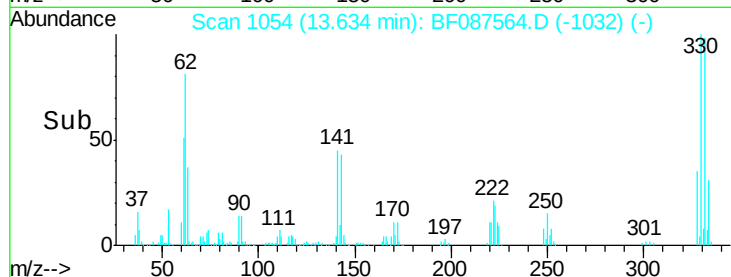
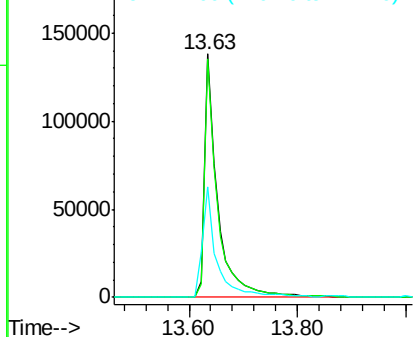
330 100

332 97.4 79.0 118.4

141 46.4 31.2 46.8



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: 81.97 ng

RT: 11.28 min Scan# 848

Delta R.T. -0.06 min

Lab File: BF087564.D

Acq: 30 May 2016 23:19

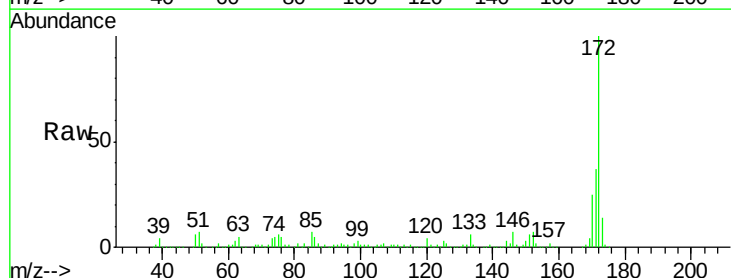
Tgt Ion:172 Resp: 1241885

Ion Ratio Lower Upper

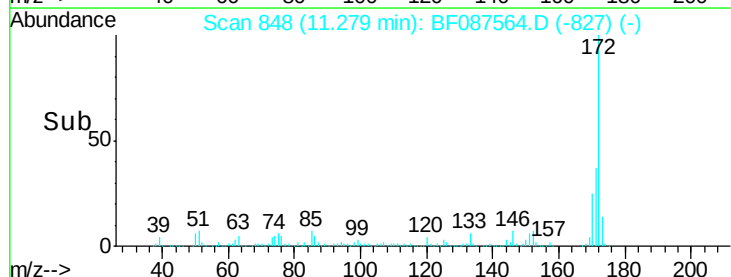
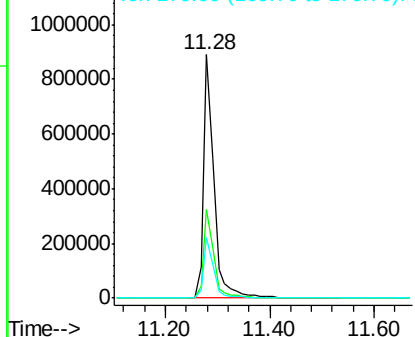
172 100

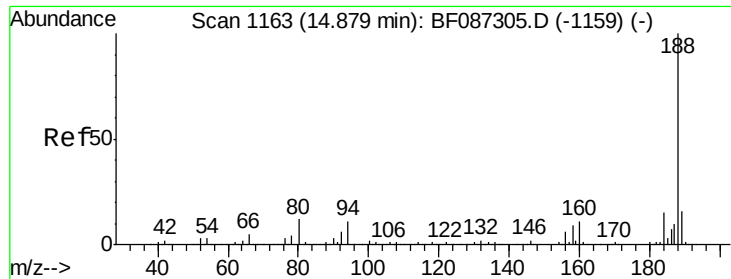
171 36.6 29.0 43.6

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

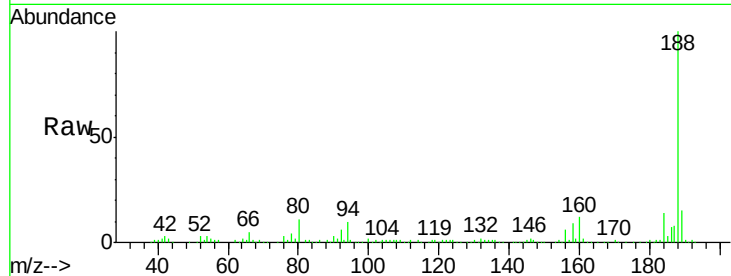




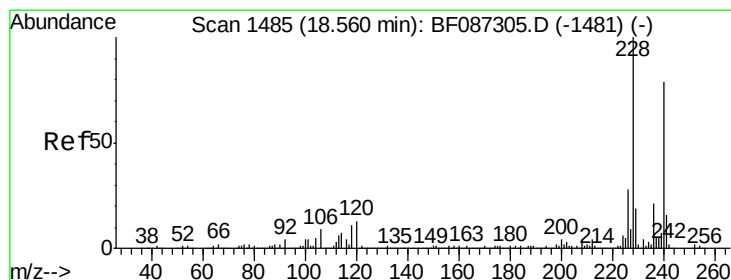
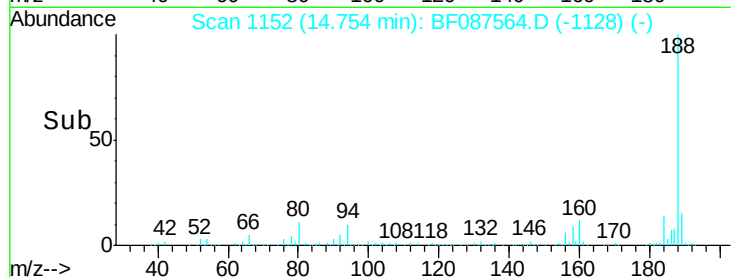
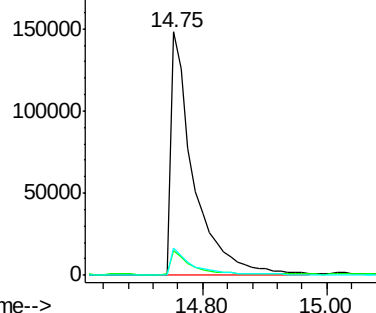
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 14.75 min Scan# 1152  
Delta R.T. -0.02 min  
Lab File: BF087564.D  
Acq: 30 May 2016 23:19

Instrument :  
BNA\_F  
ClientSampleId :  
MW-15

Tot Ion:188 Resp: 377770  
Ion Ratio Lower Upper  
188 100  
94 10.1 6.8 10.2  
80 11.0 7.1 10.7#

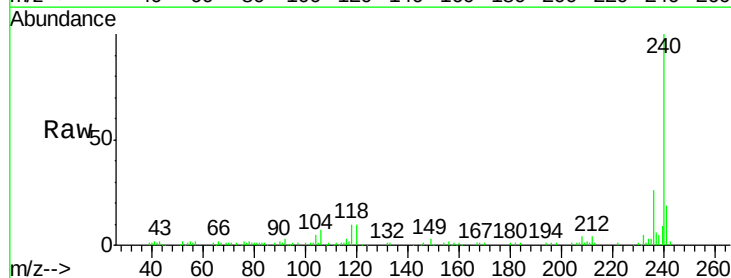


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

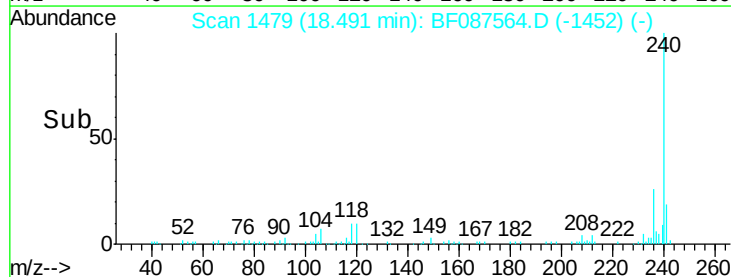
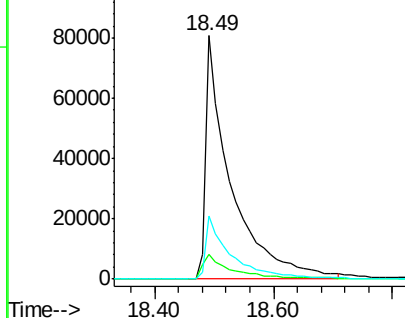


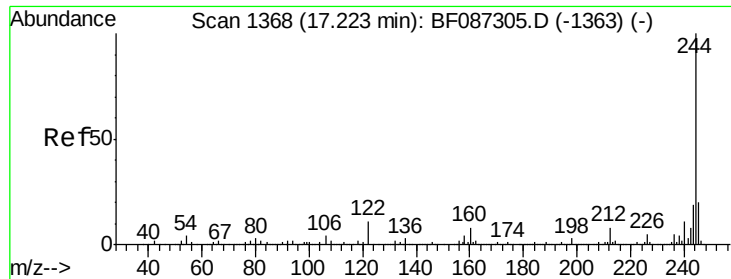
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 18.49 min Scan# 1479  
Delta R.T. 0.01 min  
Lab File: BF087564.D  
Acq: 30 May 2016 23:19

Tgt Ion:240 Resp: 240695  
Ion Ratio Lower Upper  
240 100  
120 10.4 11.2 16.8#  
236 25.9 21.2 31.8



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: 98.21 ng

RT: 17.10 min Scan# 1357

Delta R.T. -0.03 min

Lab File: BF087564.D

Acq: 30 May 2016 23:19

Instrument :

BNA\_F

ClientSampled :

MW-15

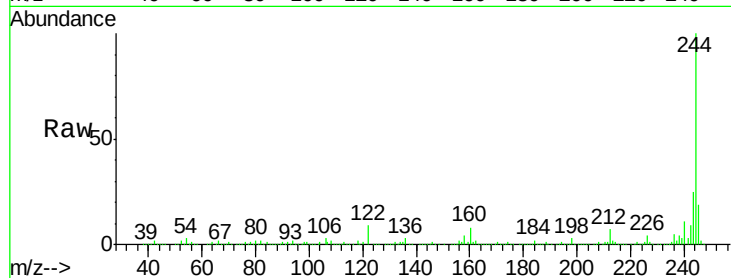
Tot Ion:244 Resp: 1111839

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

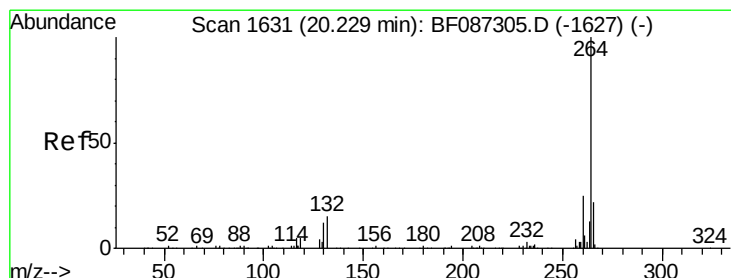
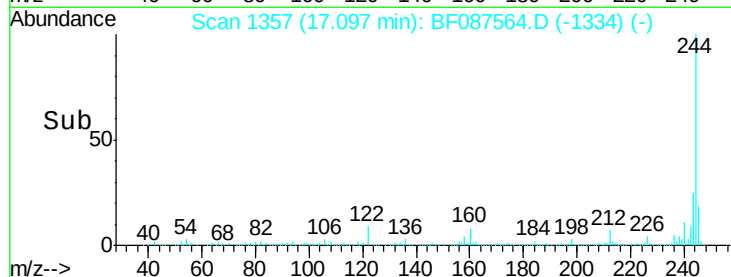
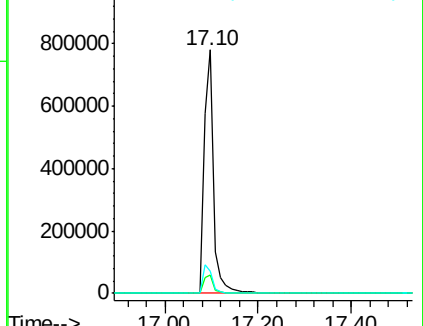
122 8.9 12.0 18.0#



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: 20.00 ng

RT: 20.18 min Scan# 1627

Delta R.T. 0.05 min

Lab File: BF087564.D

Acq: 30 May 2016 23:19

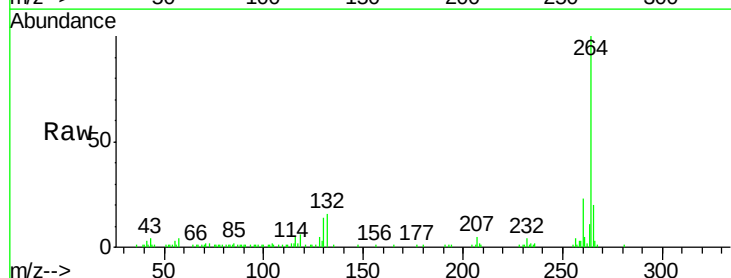
Tgt Ion:264 Resp: 197497

Ion Ratio Lower Upper

264 100

260 22.5 19.5 29.3

265 20.1 17.3 25.9



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

