

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\  
 Data File : BF087456.D  
 Acq On : 27 May 2016 22:36  
 Operator : UM/SJ  
 Sample : H3242-02  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E-7GW

Quant Time: May 28 00:32:50 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  | 119973   | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 9.52  | 136  | 497940   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 12.34 | 164  | 245146   | 20.00  | ng    | -0.05    |
| 63) Phenanthrene-d10        | 14.74 | 188  | 463864   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12            | 18.45 | 240  | 391312   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 20.11 | 264  | 282589   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.38  | 112  | 428279   | 62.73  | ng    | -0.03    |
| 7) Phenol-d6                | 7.04  | 99   | 359881   | 39.01  | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 8.40  | 82   | 840398   | 85.06  | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 13.63 | 330  | 312974   | 132.85 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl        | 11.29 | 172  | 1465965  | 84.30  | ng    | -0.05    |
| 78) Terphenyl-d14           | 17.10 | 244  | 1424825  | 77.41  | ng    | -0.03    |

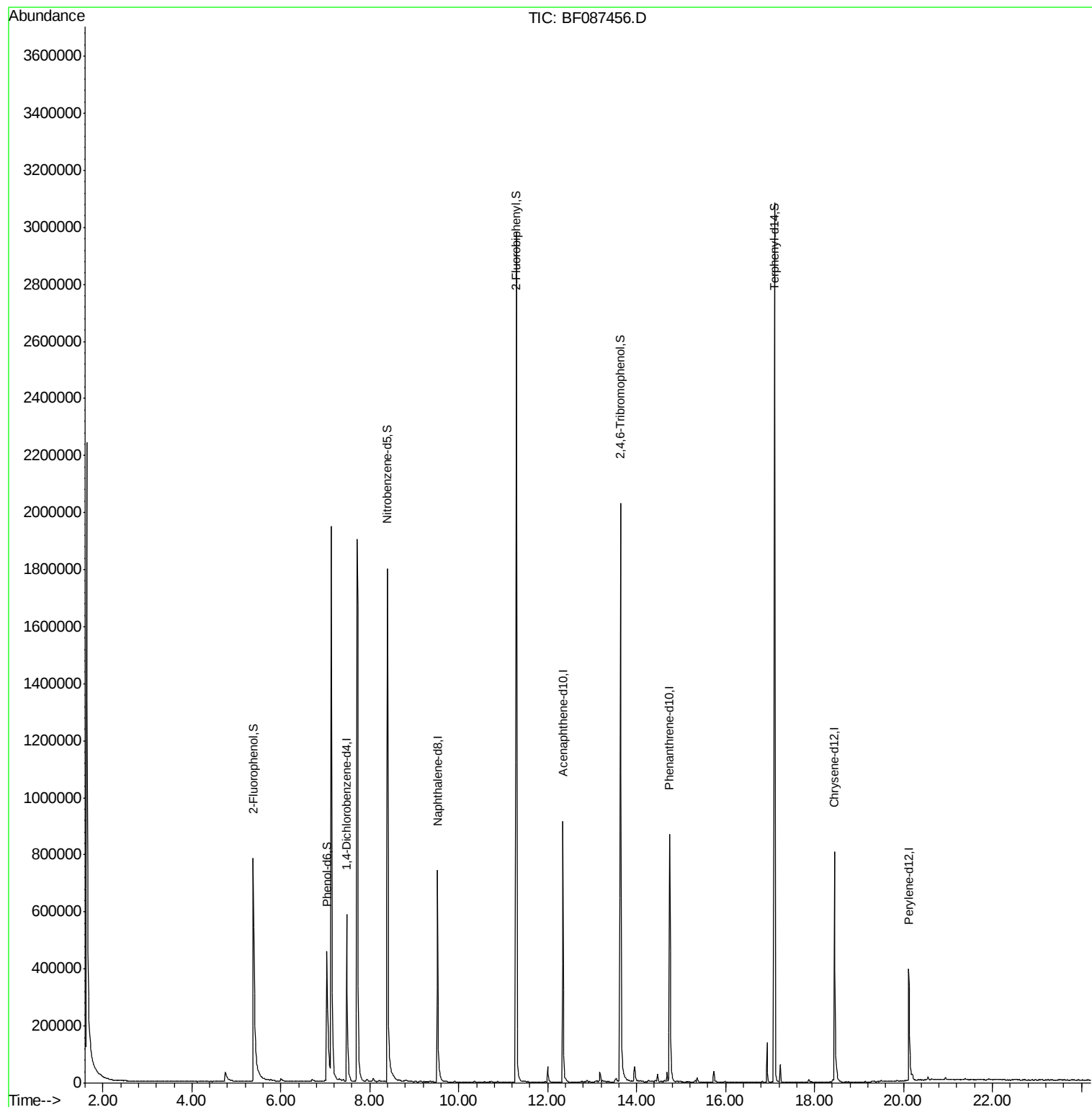
Target Compounds Qvalue

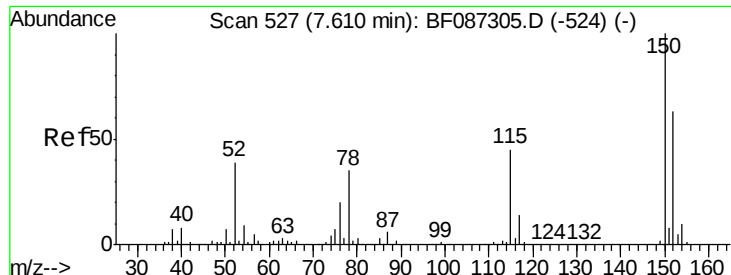
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

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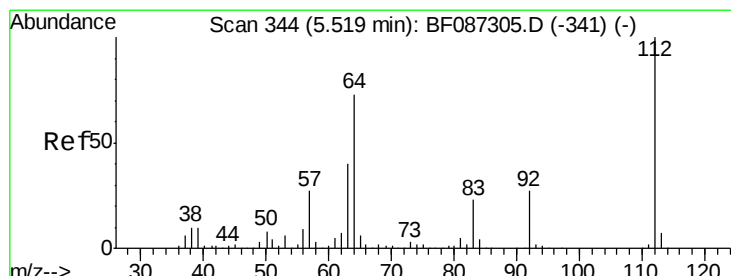
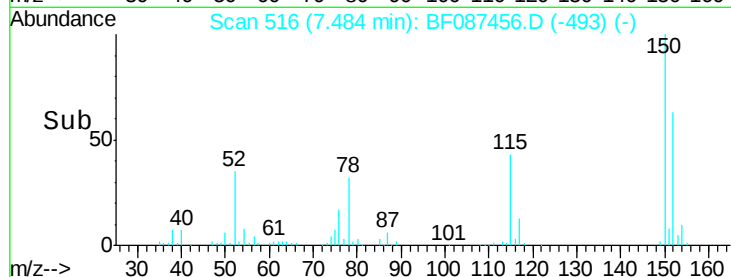
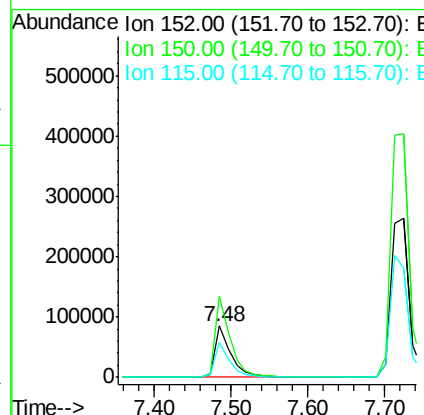
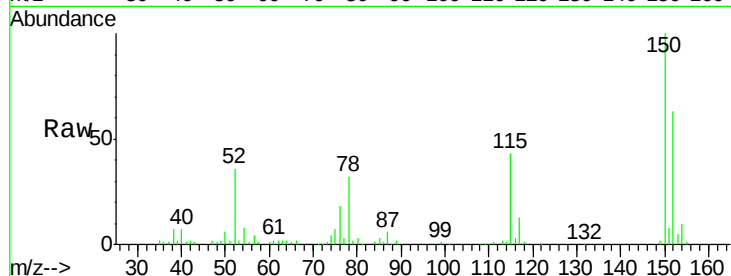




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.48 min Scan# 516  
 Delta R.T. -0.03 min  
 Lab File: BF087456.D  
 Acq: 27 May 2016 22:36

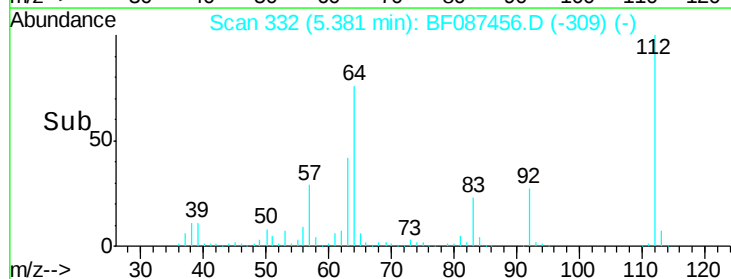
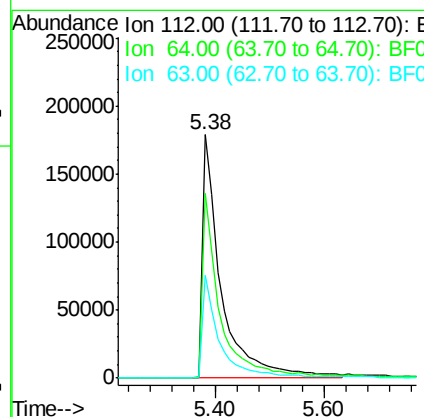
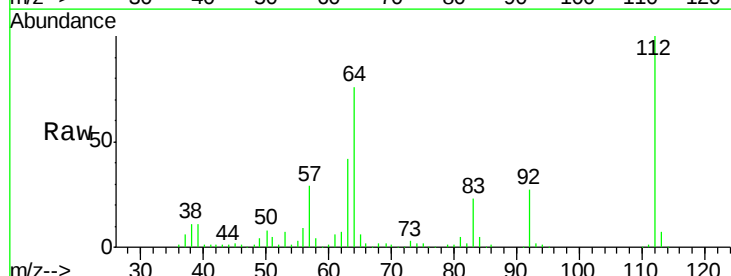
Instrument :  
 BNA\_F  
 ClientSampled :  
 E-7GW

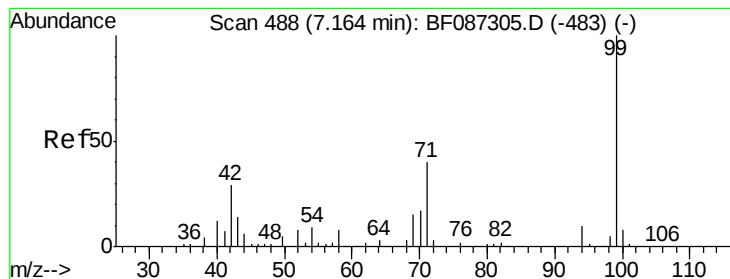
Tot Ion:152 Resp: 119973  
 Ion Ratio Lower Upper  
 152 100  
 150 159.2 125.8 188.6  
 115 67.8 51.5 77.3



#5  
 2-Fluorophenol  
 Concen: 62.73 ng  
 RT: 5.38 min Scan# 332  
 Delta R.T. -0.03 min  
 Lab File: BF087456.D  
 Acq: 27 May 2016 22:36

Tgt Ion:112 Resp: 428279  
 Ion Ratio Lower Upper  
 112 100  
 64 75.9 52.1 78.1  
 63 42.4 25.7 38.5#





#7

Phenol-d6

Concen: 39.01 ng

RT: 7.04 min Scan# 477

Delta R.T. -0.03 min

Lab File: BF087456.D

Acq: 27 May 2016 22:36

Instrument :

BNA\_F

ClientSampleId :

E-7GW

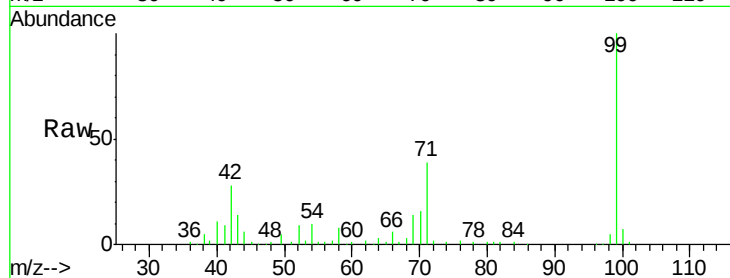
Tot Ion: 99 Resp: 359881

Ion Ratio Lower Upper

99 100

42 28.1 13.6 20.4#

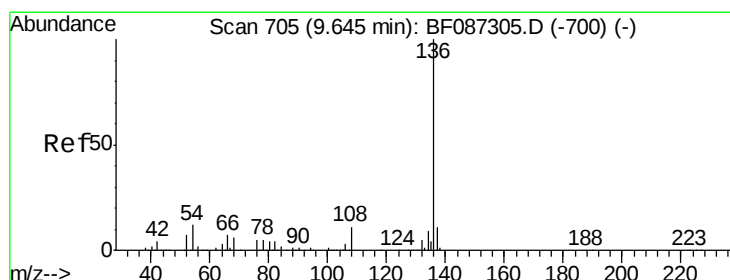
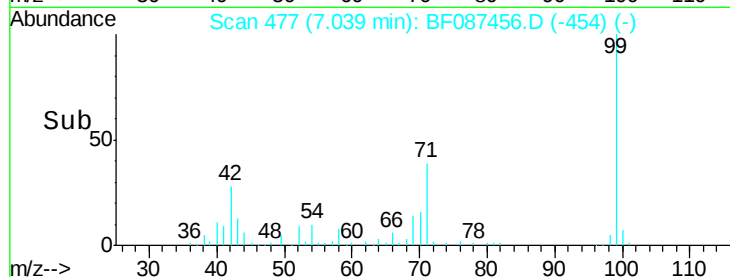
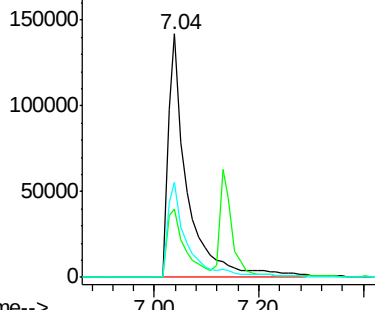
71 38.9 24.6 36.8#



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: BF087456.D

Acq: 27 May 2016 22:36

Tgt Ion: 136 Resp: 497940

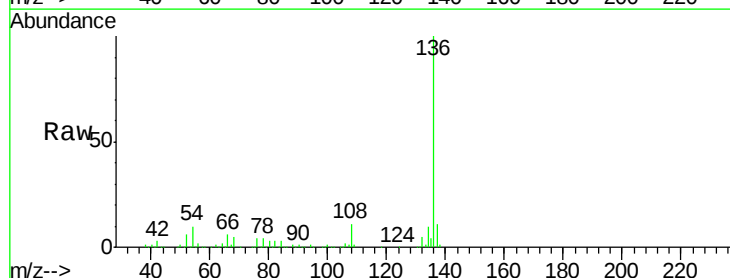
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 10.1 5.0 7.4#

68 5.2 4.4 6.6

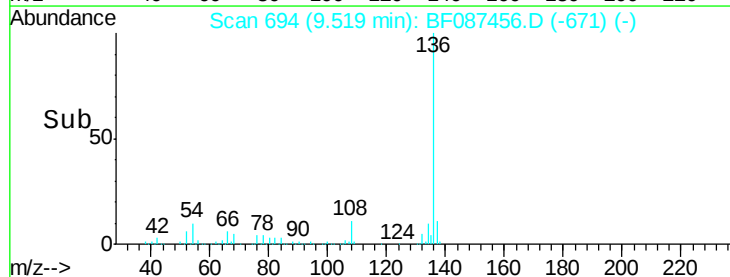
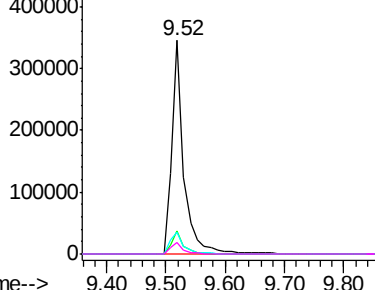


Abundance Ion 136.00 (135.70 to 136.70): E

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

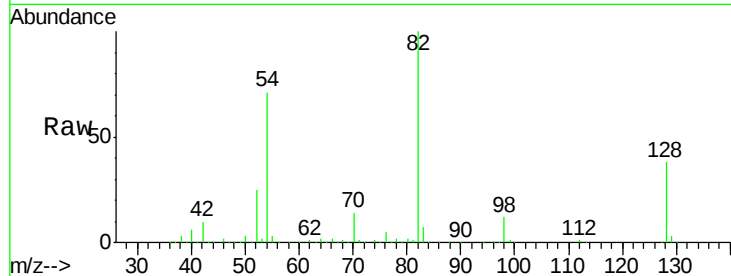




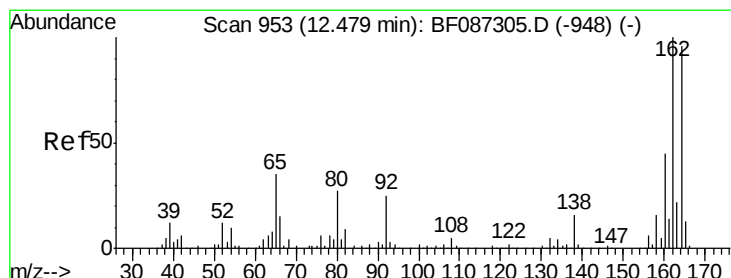
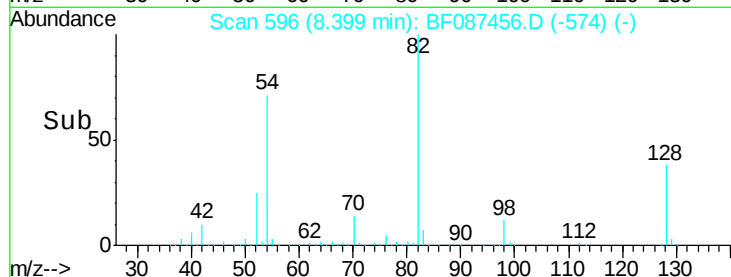
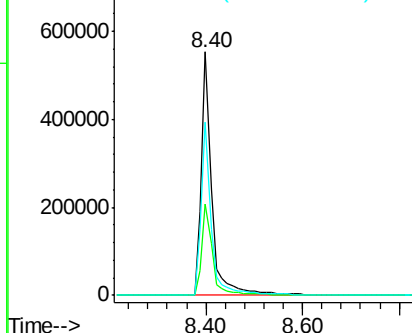
#23  
 Nitrobenzene-d5  
 Concen: 85.06 ng  
 RT: 8.40 min Scan# 596  
 Delta R.T. -0.05 min  
 Lab File: BF087456.D  
 Acq: 27 May 2016 22:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E-7GW

Tot Ion: 82 Resp: 840398  
 Ion Ratio Lower Upper  
 82 100  
 128 37.7 40.6 61.0#  
 54 71.2 38.1 57.1#

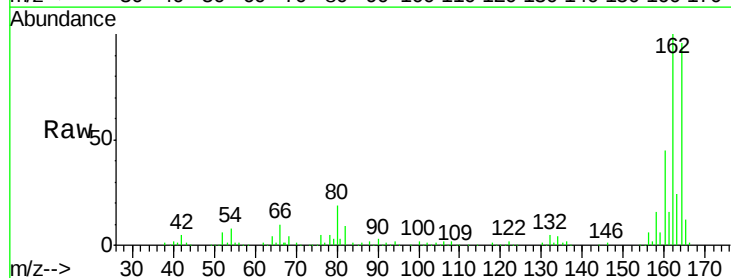


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

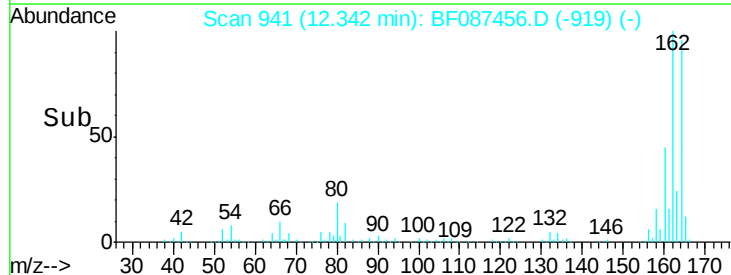
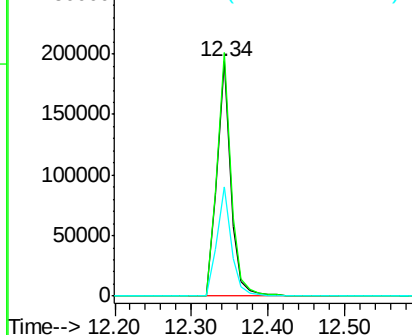


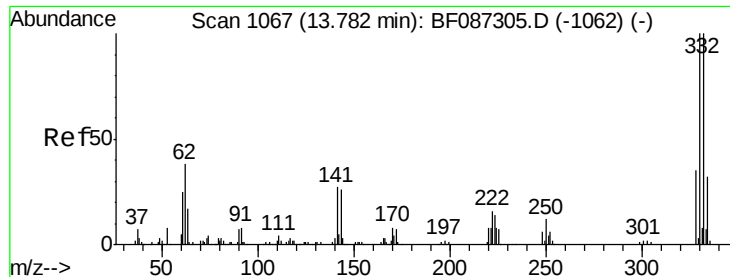
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 12.34 min Scan# 941  
 Delta R.T. -0.05 min  
 Lab File: BF087456.D  
 Acq: 27 May 2016 22:36

Tgt Ion: 164 Resp: 245146  
 Ion Ratio Lower Upper  
 164 100  
 162 104.0 82.8 124.2  
 160 46.9 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

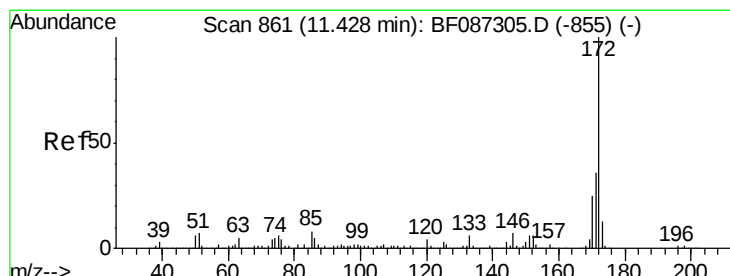
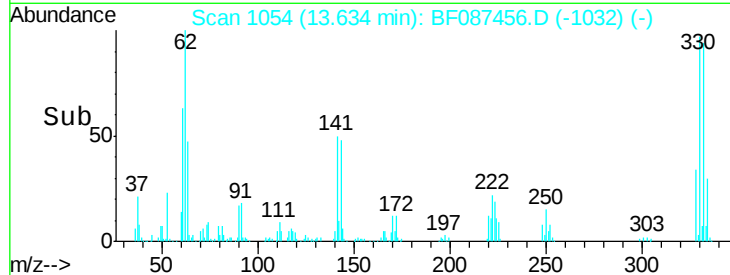
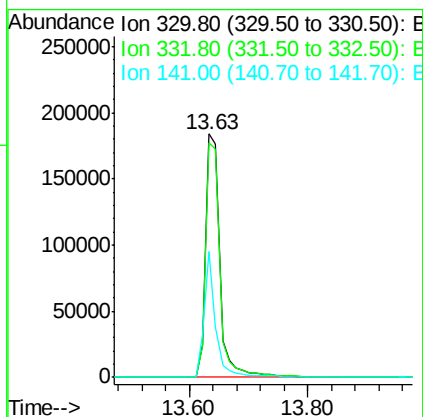
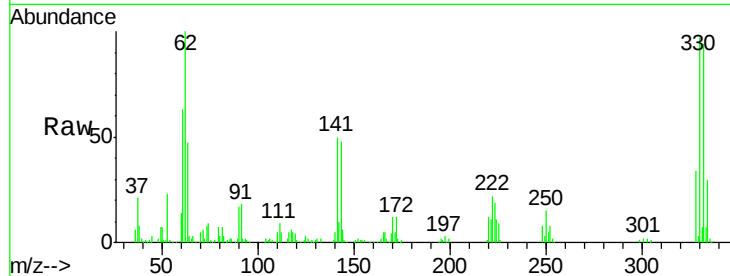




#41  
 2,4,6-Tribromophenol  
 Concen: 132.85 ng  
 RT: 13.63 min Scan# 1054  
 Delta R.T. -0.05 min  
 Lab File: BF087456.D  
 Acq: 27 May 2016 22:36

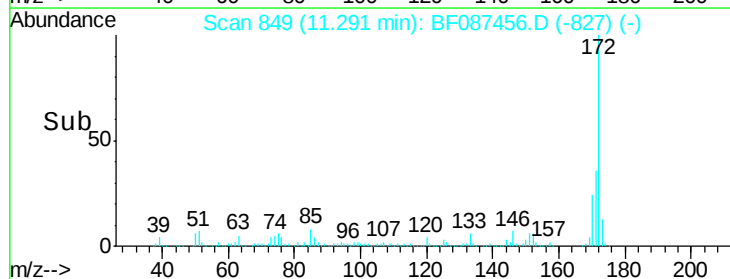
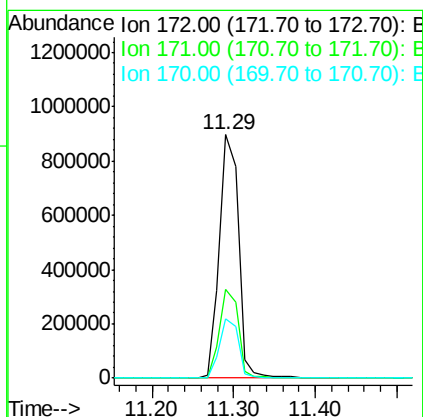
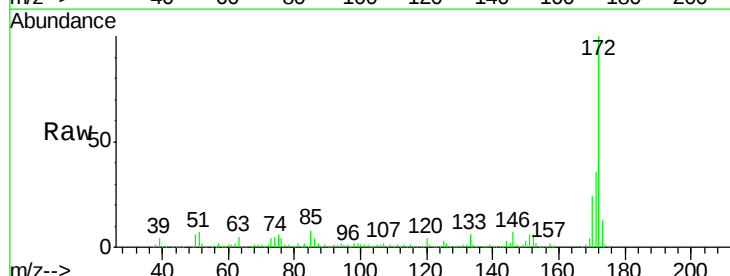
Instrument :  
 BNA\_F  
 ClientSampled :  
 E-7GW

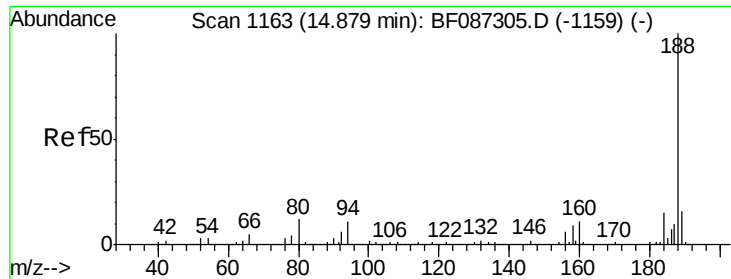
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.4  | 79.0  | 118.4 |
| 141     | 42.9  | 31.2  | 46.8  |



#44  
 2-Fluorobiphenyl  
 Concen: 84.30 ng  
 RT: 11.29 min Scan# 849  
 Delta R.T. -0.05 min  
 Lab File: BF087456.D  
 Acq: 27 May 2016 22:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 29.0  | 43.6  |
| 170     | 24.4  | 19.8  | 29.8  |

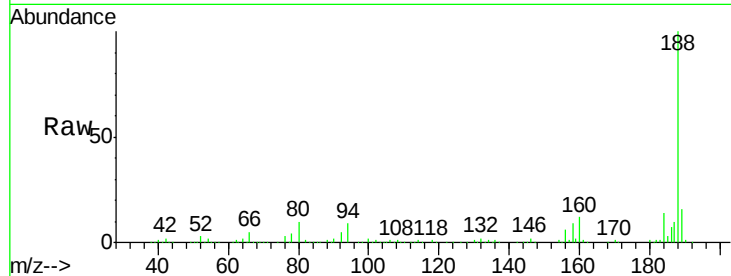




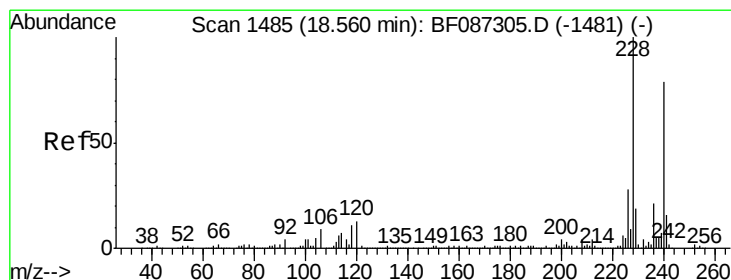
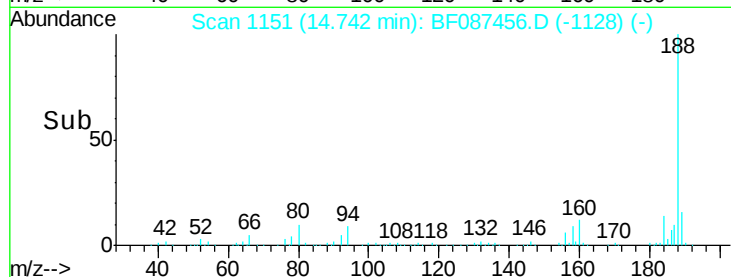
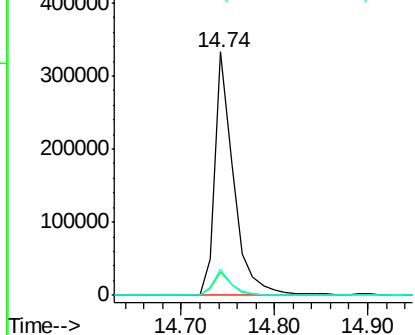
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 14.74 min Scan# 1151  
Delta R.T. -0.03 min  
Lab File: BF087456.D  
Acq: 27 May 2016 22:36

Instrument :  
BNA\_F  
ClientSampleId :  
E-7GW

Tot Ion:188 Resp: 463864  
Ion Ratio Lower Upper  
188 100  
94 9.5 6.8 10.2  
80 10.5 7.1 10.7

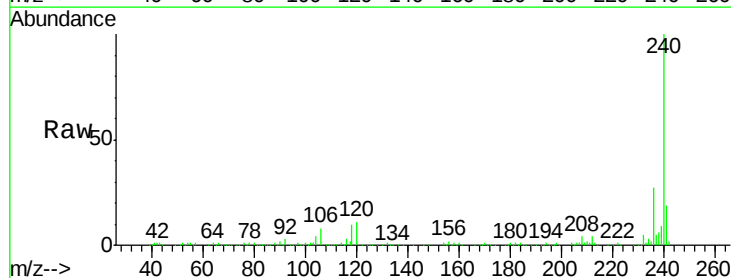


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

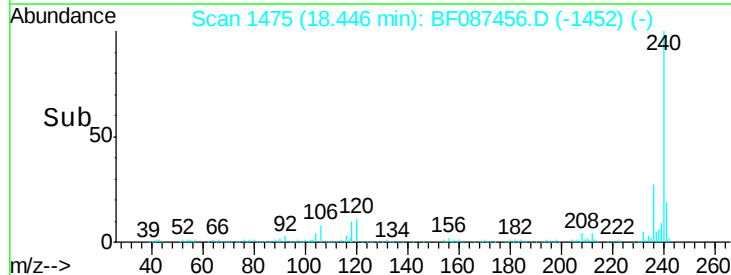
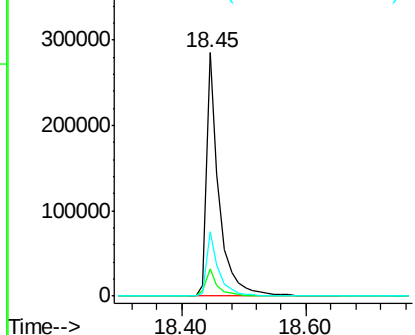


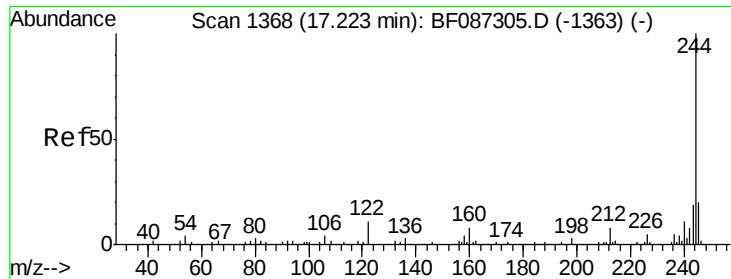
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 18.45 min Scan# 1475  
Delta R.T. -0.03 min  
Lab File: BF087456.D  
Acq: 27 May 2016 22:36

Tgt Ion:240 Resp: 391312  
Ion Ratio Lower Upper  
240 100  
120 11.4 11.2 16.8  
236 26.5 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: 77.41 ng

RT: 17.10 min Scan# 1357

Delta R.T. -0.03 min

Lab File: BF087456.D

Acq: 27 May 2016 22:36

Instrument :

BNA\_F

ClientSampleId :

E-7GW

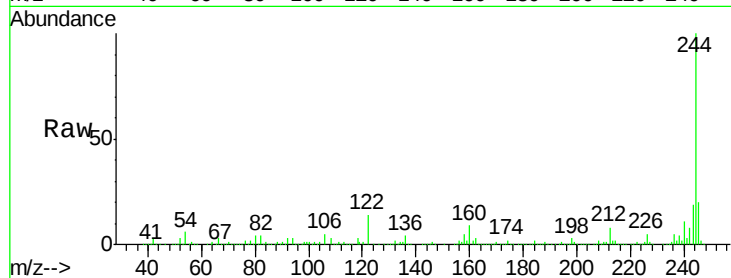
Tot Ion:244 Resp: 1424825

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

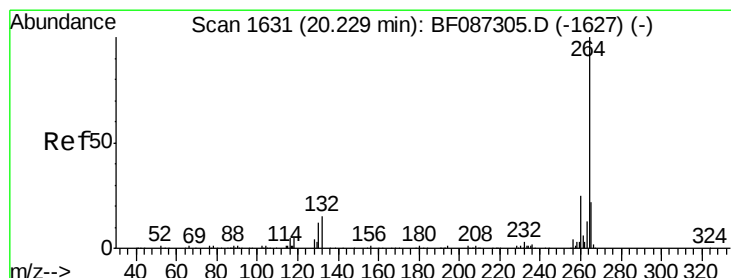
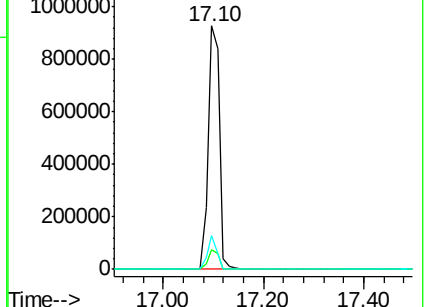
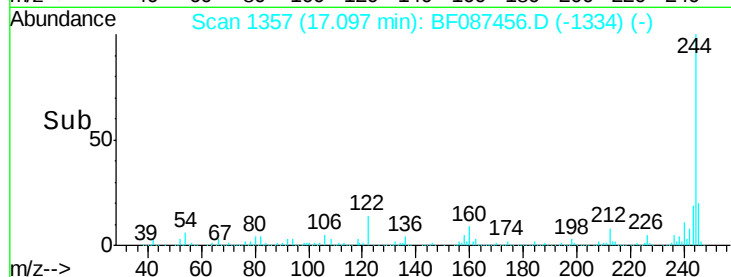
122 14.0 12.0 18.0



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: 20.11 min Scan# 1621

Delta R.T. -0.02 min

Lab File: BF087456.D

Acq: 27 May 2016 22:36

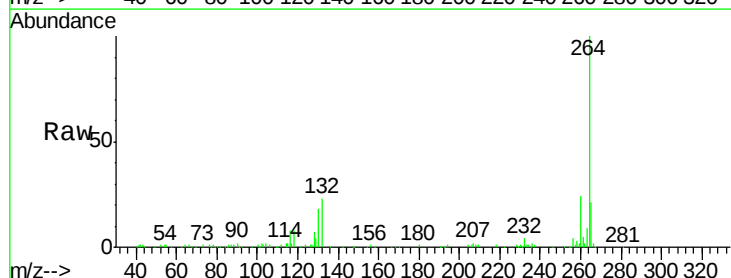
Tgt Ion:264 Resp: 282589

Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

265 21.4 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

