

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041715\  
 Data File : BF078617.D  
 Acq On : 17 Apr 2015 21:32  
 Operator : TP/IZ  
 Sample : G1871-08  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-46

Quant Time: Apr 17 23:45:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 17 23:28:12 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.67  | 152  | 40669    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.25  | 136  | 168204   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.40 | 164  | 88943    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 12.22 | 188  | 180876   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 15.46 | 240  | 214882   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 17.18 | 264  | 222607   | 20.00  | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 4.90  | 112  | 139914   | 56.72  | ng    | 0.00     |
| 7) Phenol-d6                | 6.27  | 99   | 109017   | 35.27  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 235721   | 84.94  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.38 | 330  | 111430   | 151.06 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.60  | 172  | 472149   | 75.88  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.21 | 244  | 634687   | 66.74  | ng    | 0.00     |

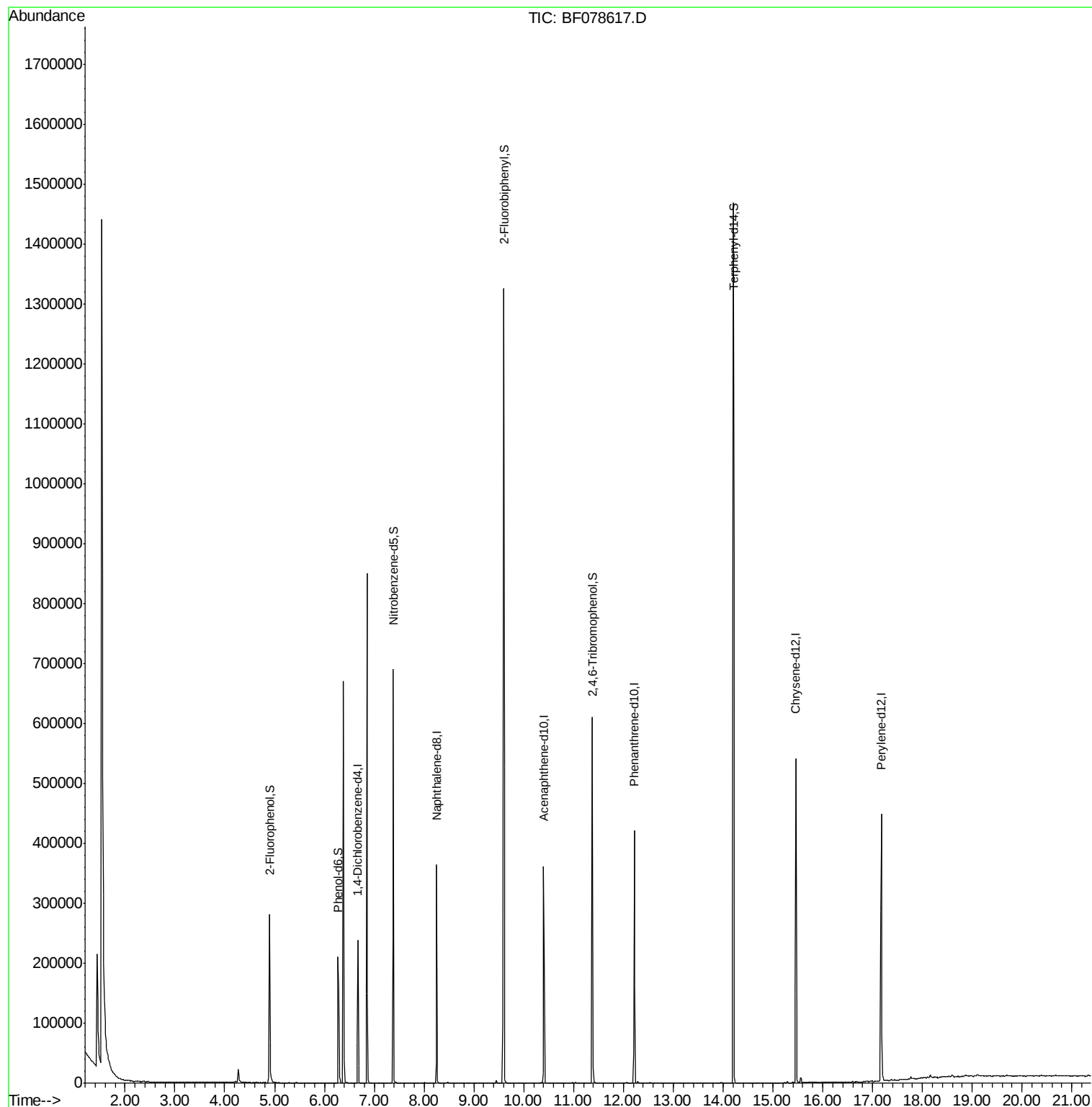
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

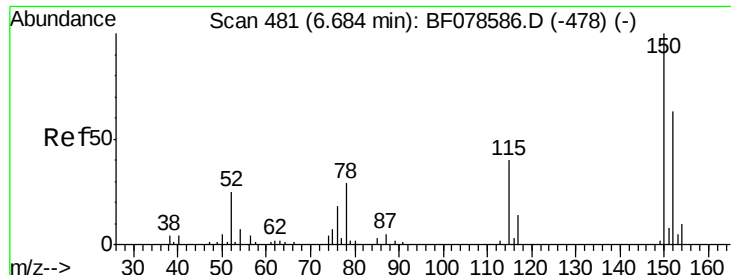
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
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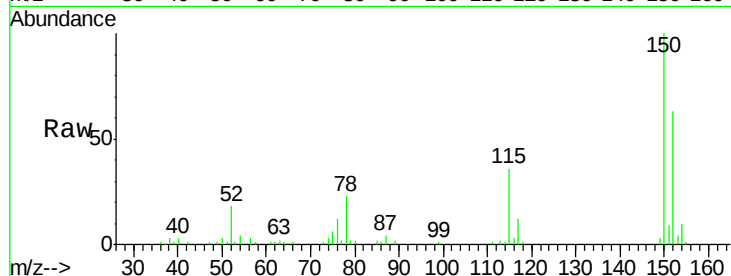




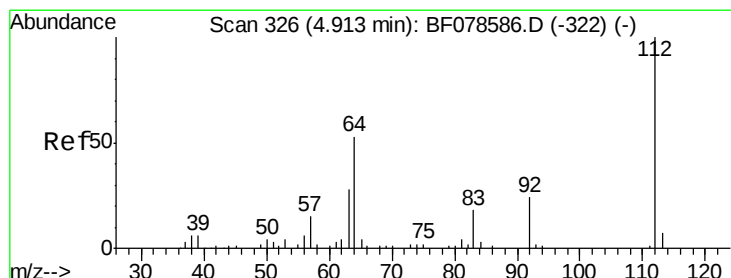
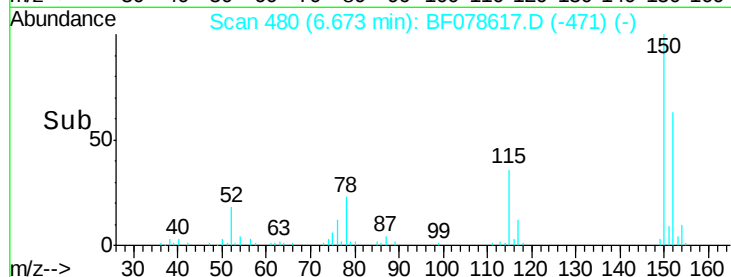
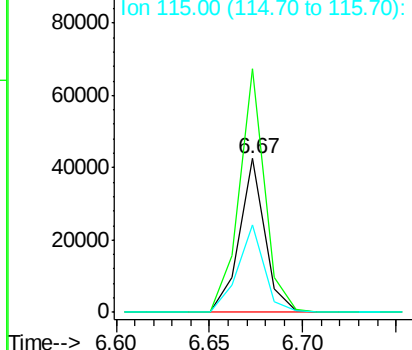
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.67 min Scan# 480  
 Delta R.T. 0.00 min  
 Lab File: BF078617.D  
 Acq: 17 Apr 2015 21:32

Instrument :  
 BNA\_F  
 ClientSampled :  
 MW-46

Tgt Ion:152 Resp: 40669  
 Ion Ratio Lower Upper  
 152 100  
 150 158.5 125.9 188.9  
 115 56.9 52.7 79.1

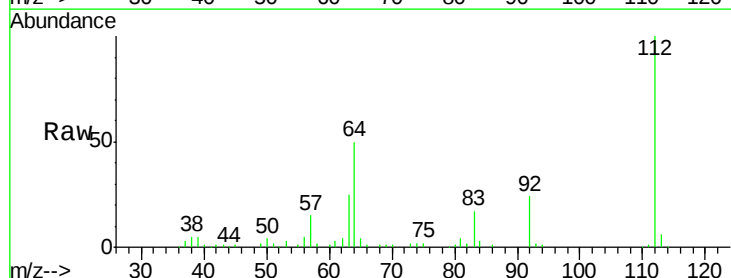


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

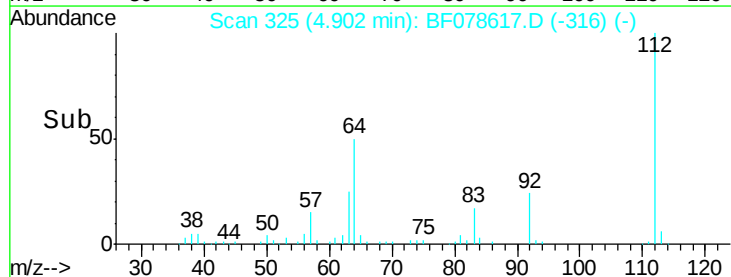
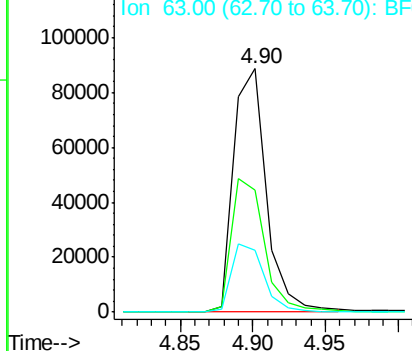


#5  
 2-Fluorophenol  
 Concen: 56.72 ng  
 RT: 4.90 min Scan# 325  
 Delta R.T. 0.00 min  
 Lab File: BF078617.D  
 Acq: 17 Apr 2015 21:32

Tgt Ion:112 Resp: 139914  
 Ion Ratio Lower Upper  
 112 100  
 64 50.0 39.9 59.9  
 63 25.3 20.2 30.4



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: 35.27 ng

RT: 6.27 min Scan# 445

Delta R.T. -0.01 min

Lab File: BF078617.D

Acq: 17 Apr 2015 21:32

Instrument :

BNA\_F

ClientSampleId :

MW-46

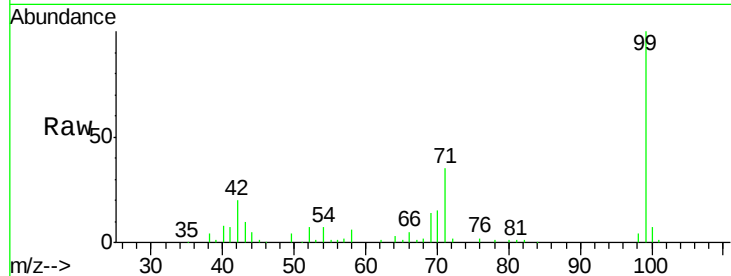
Tgt Ion: 99 Resp: 109017

Ion Ratio Lower Upper

99 100

42 20.0 14.8 22.2

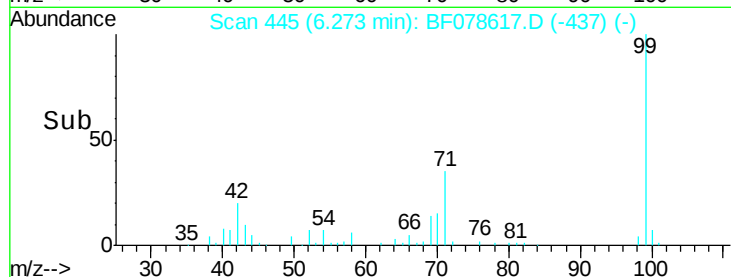
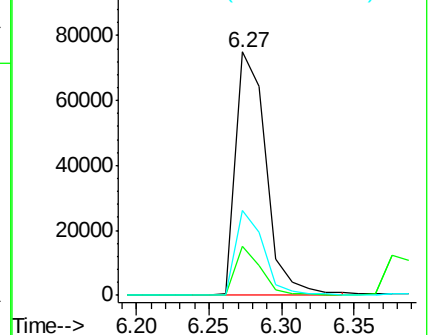
71 34.9 26.6 39.8



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: 8.25 min Scan# 618

Delta R.T. 0.00 min

Lab File: BF078617.D

Acq: 17 Apr 2015 21:32

Tgt Ion: 136 Resp: 168204

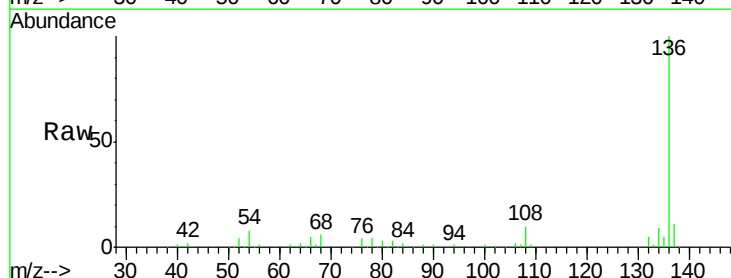
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 7.5 7.0 10.6

68 5.8 5.4 8.2

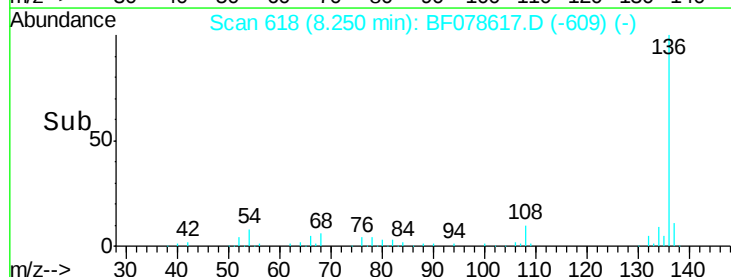
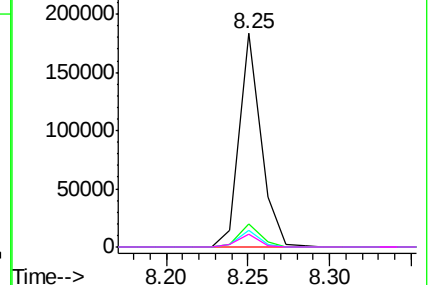


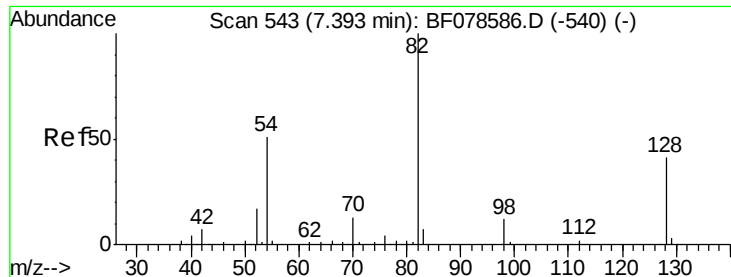
Abundance Ion 136.00 (135.70 to 136.70): E

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

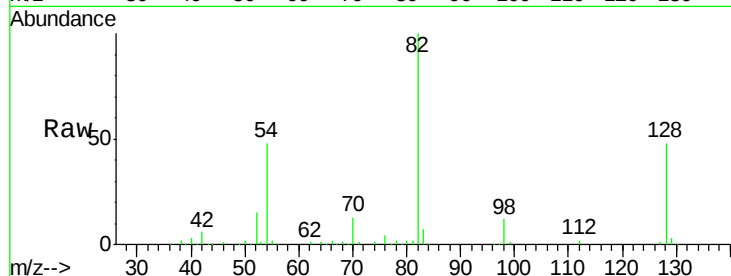




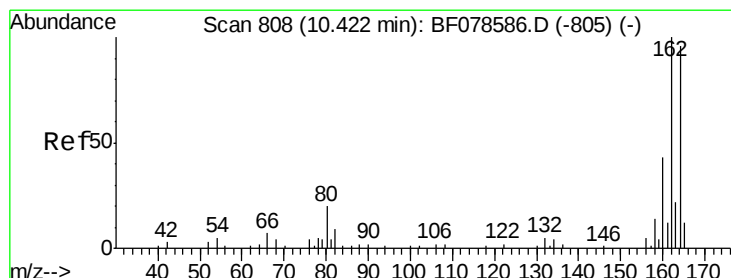
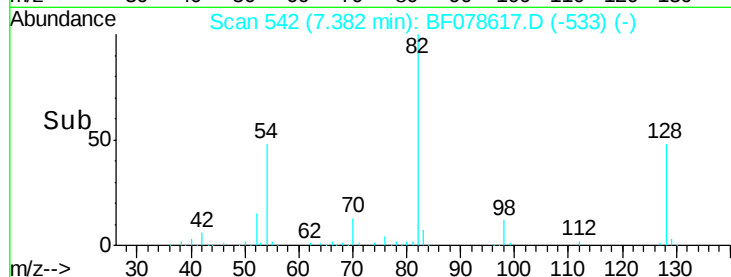
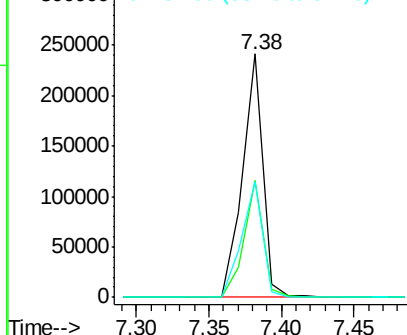
#23  
 Nitrobenzene-d5  
 Concen: 84.94 ng  
 RT: 7.38 min Scan# 542  
 Delta R.T. 0.00 min  
 Lab File: BF078617.D  
 Acq: 17 Apr 2015 21:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-46

Tgt Ion: 82 Resp: 235721  
 Ion Ratio Lower Upper  
 82 100  
 128 48.0 31.8 47.8#  
 54 47.6 41.5 62.3

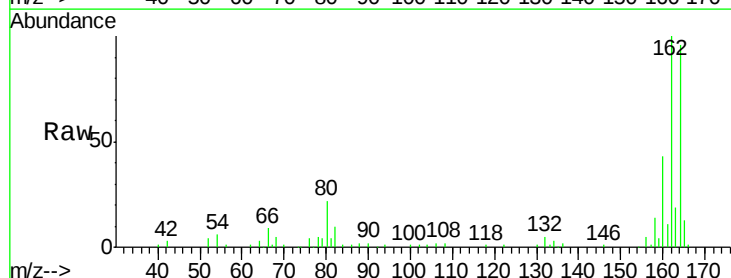


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

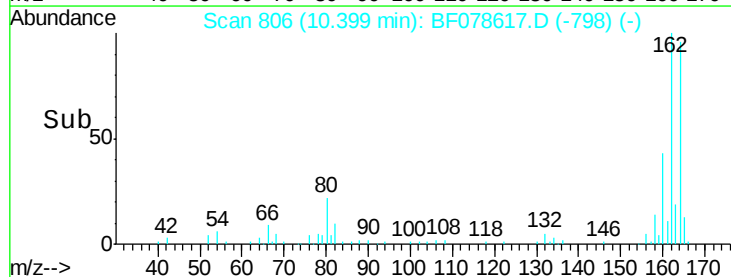
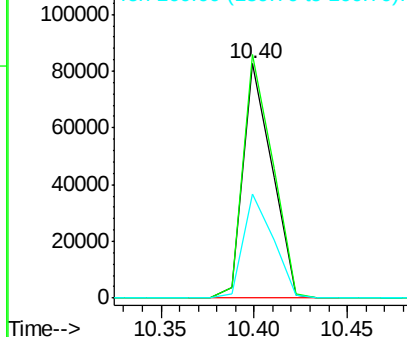


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.40 min Scan# 806  
 Delta R.T. -0.01 min  
 Lab File: BF078617.D  
 Acq: 17 Apr 2015 21:32

Tgt Ion: 164 Resp: 88943  
 Ion Ratio Lower Upper  
 164 100  
 162 103.9 82.2 123.2  
 160 44.2 34.7 52.1



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

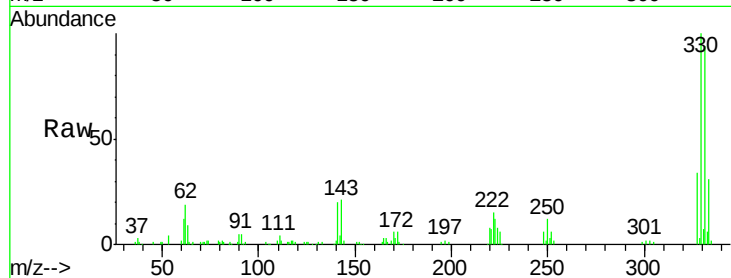




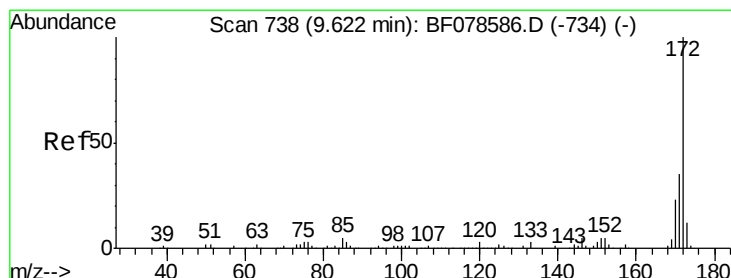
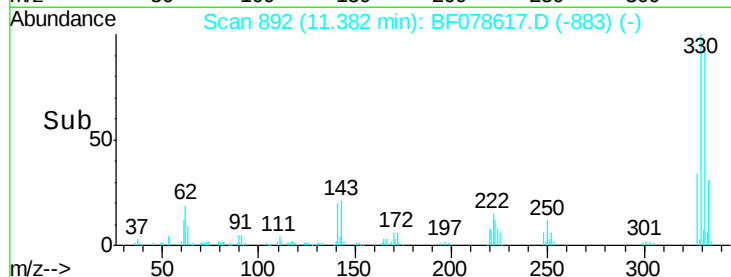
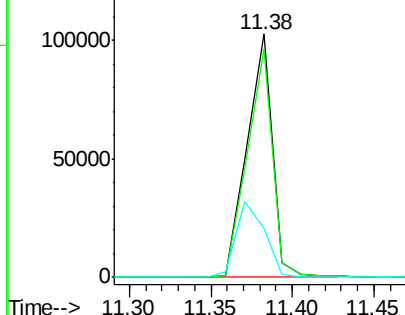
#41  
 2,4,6-Tribromophenol  
 Concen: 151.06 ng  
 RT: 11.38 min Scan# 892  
 Delta R.T. 0.00 min  
 Lab File: BF078617.D  
 Acq: 17 Apr 2015 21:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-46

Tgt Ion:330 Resp: 111430  
 Ion Ratio Lower Upper  
 330 100  
 332 93.4 78.6 117.8  
 141 34.9 31.2 46.8

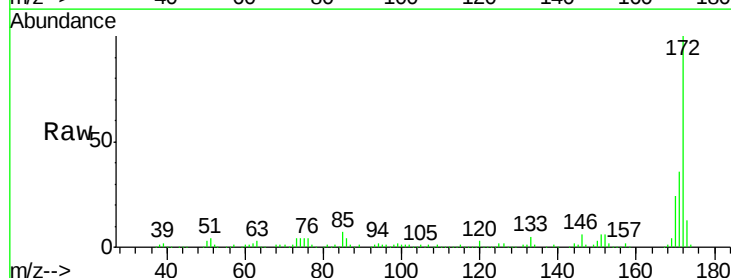


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

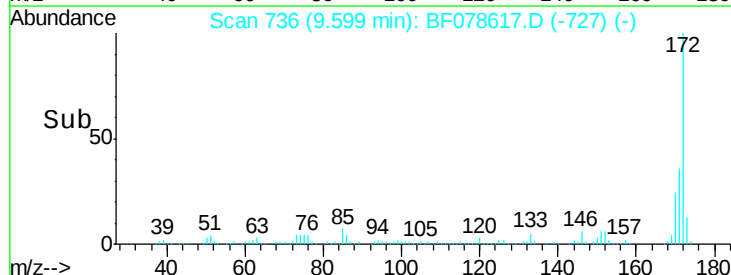
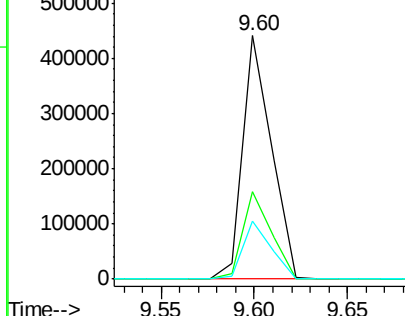


#44  
 2-Fluorobiphenyl  
 Concen: 75.88 ng  
 RT: 9.60 min Scan# 736  
 Delta R.T. 0.00 min  
 Lab File: BF078617.D  
 Acq: 17 Apr 2015 21:32

Tgt Ion:172 Resp: 472149  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 28.6 42.8  
 170 23.7 18.5 27.7



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

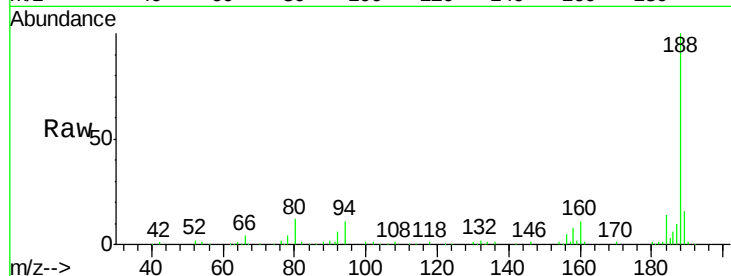




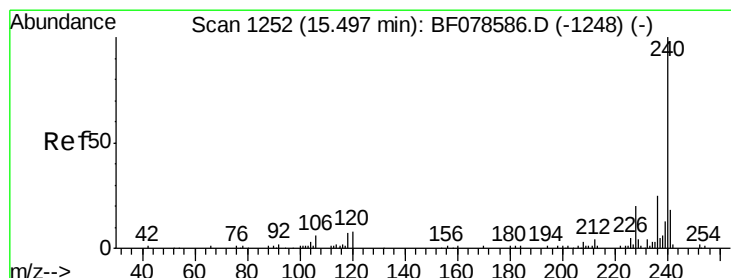
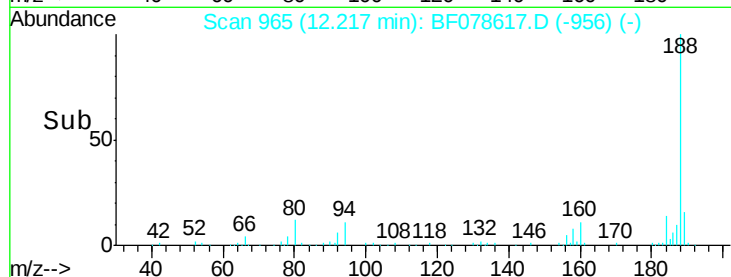
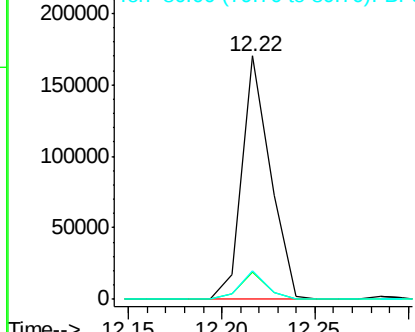
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.22 min Scan# 965  
Delta R.T. 0.00 min  
Lab File: BF078617.D  
Acq: 17 Apr 2015 21:32

Instrument :  
BNA\_F  
ClientSampleId :  
MW-46

Tgt Ion:188 Resp: 180876  
Ion Ratio Lower Upper  
188 100  
94 11.0 9.0 13.4  
80 12.0 9.5 14.3

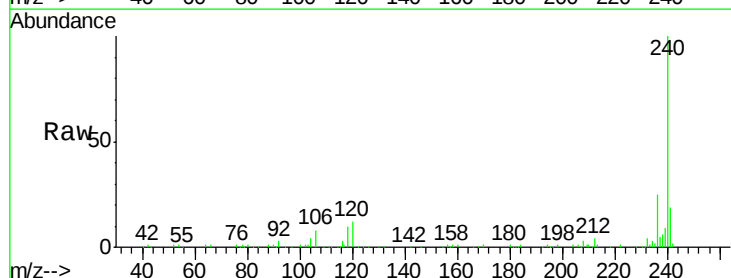


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

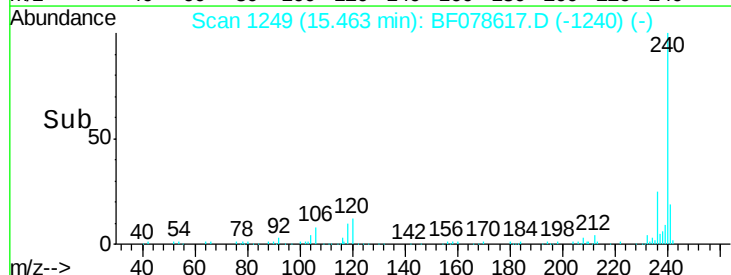
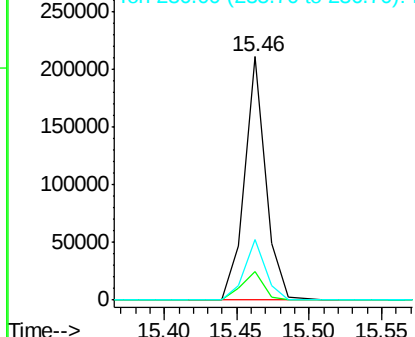


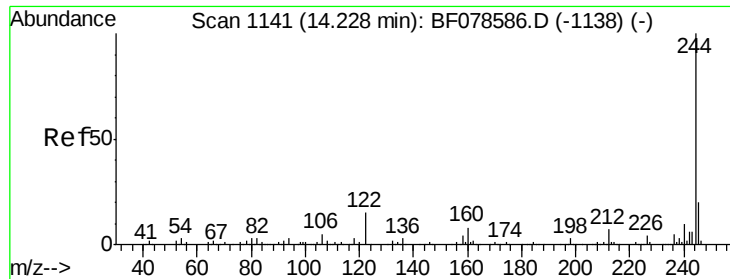
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 15.46 min Scan# 1249  
Delta R.T. 0.00 min  
Lab File: BF078617.D  
Acq: 17 Apr 2015 21:32

Tgt Ion:240 Resp: 214882  
Ion Ratio Lower Upper  
240 100  
120 11.7 7.1 10.7#  
236 24.8 21.4 32.2



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: 66.74 ng

RT: 14.21 min Scan# 1139

Delta R.T. 0.00 min

Lab File: BF078617.D

Acq: 17 Apr 2015 21:32

Instrument :

BNA\_F

ClientSampleId :

MW-46

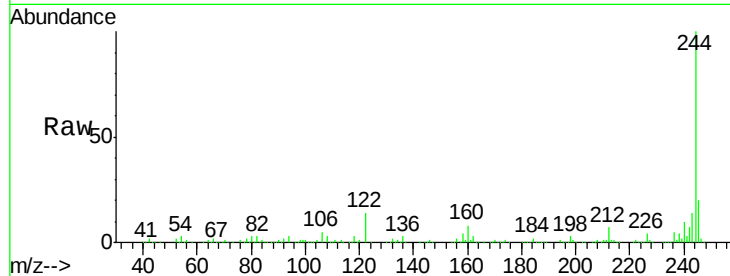
Tgt Ion:244 Resp: 634687

Ion Ratio Lower Upper

244 100

212 7.3 5.0 7.4

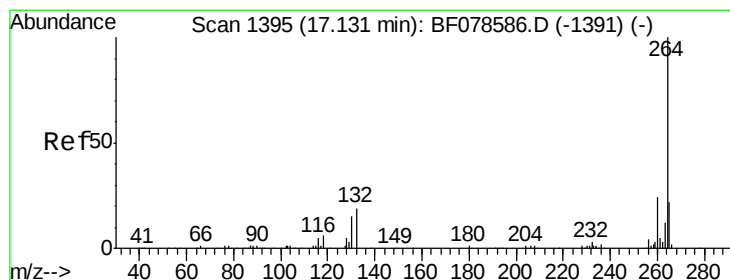
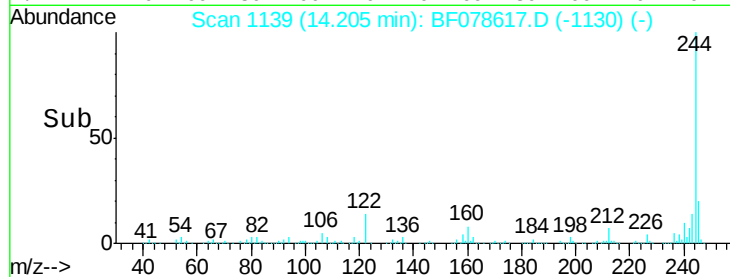
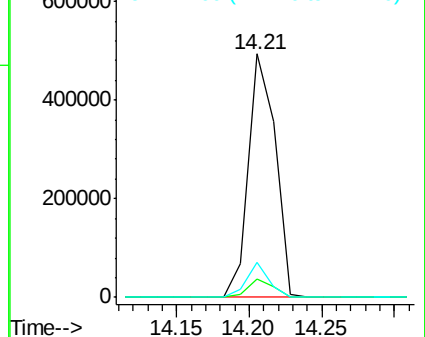
122 14.4 7.1 10.7#



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: 17.18 min Scan# 1399

Delta R.T. 0.02 min

Lab File: BF078617.D

Acq: 17 Apr 2015 21:32

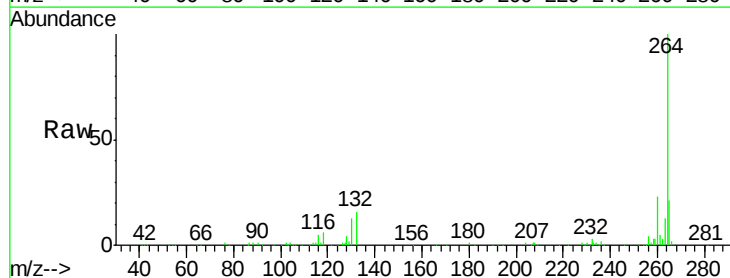
Tgt Ion:264 Resp: 222607

Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

265 21.4 17.0 25.6



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

