

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF040615\  
 Data File : BF078264.D  
 Acq On : 6 Apr 2015 18:42  
 Operator : TP/IZ  
 Sample : G1755-02  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-14

Quant Time: Apr 07 01:26:46 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 07 02:08:45 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.98  | 152  | 39708    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.56  | 136  | 159337   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.72 | 164  | 79557    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.55 | 188  | 158251   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 15.81 | 240  | 159941   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 17.54 | 264  | 156878   | 20.00  | ng    | -0.10    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.26  | 112  | 142542   | 59.19  | ng    | 0.00     |
| 7) Phenol-d6                | 6.58  | 99   | 117467   | 38.92  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.68  | 82   | 237483   | 90.34  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.70 | 330  | 102417   | 155.22 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.90  | 172  | 532172   | 95.62  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.55 | 244  | 585296   | 82.69  | ng    | 0.00     |

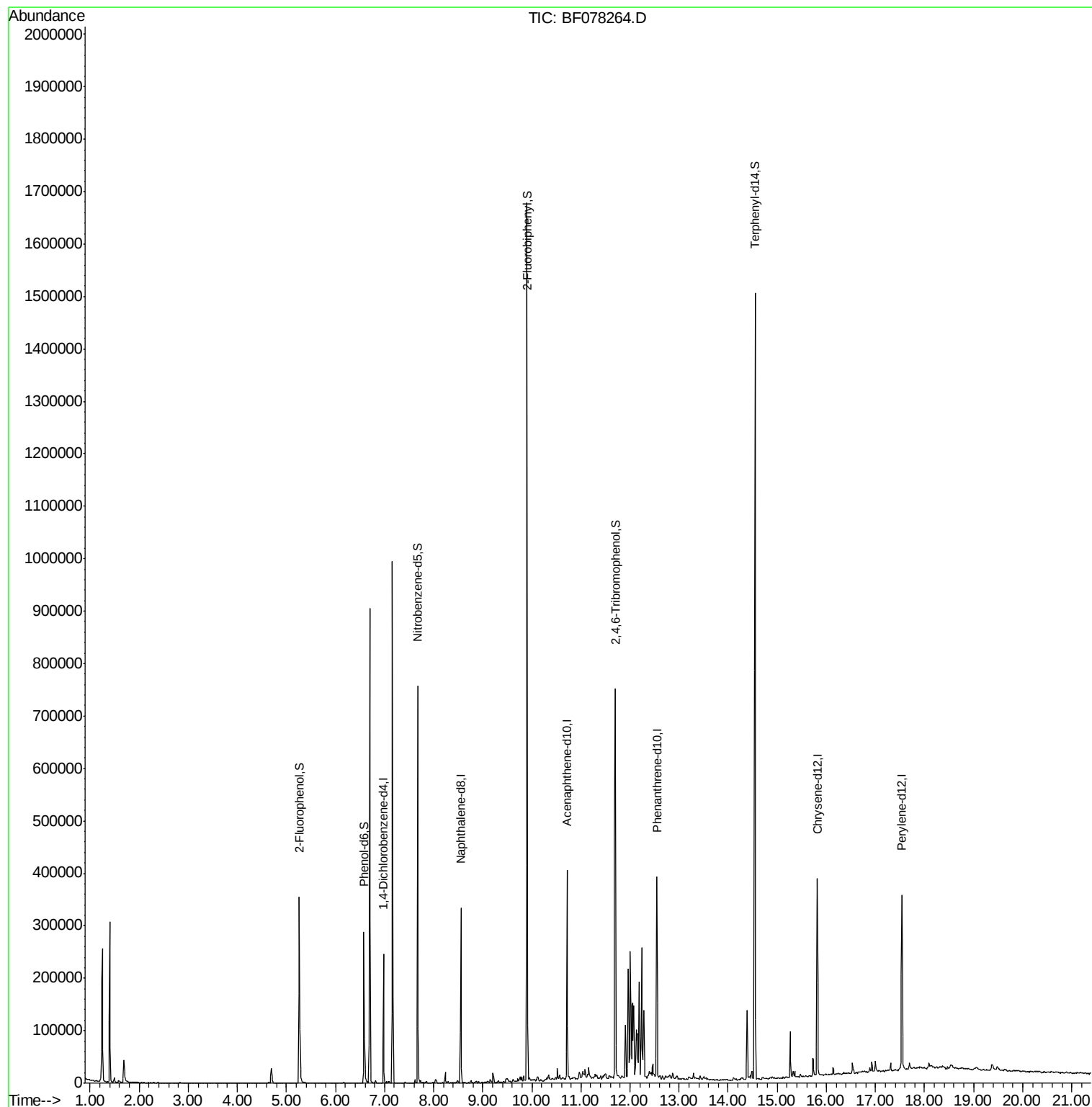
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

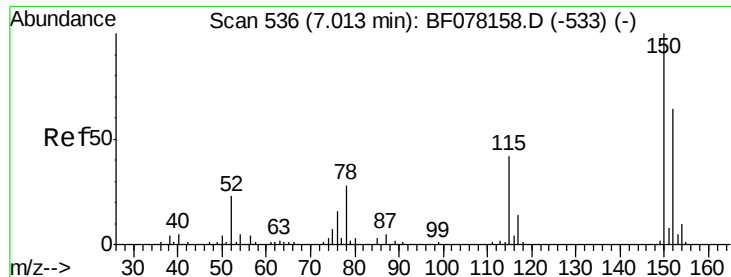
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF040615\  
Data File : BF078264.D  
Acq On : 6 Apr 2015 18:42  
Operator : TP/IZ  
Sample : G1755-02  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-14

Quant Time: Apr 07 01:26:46 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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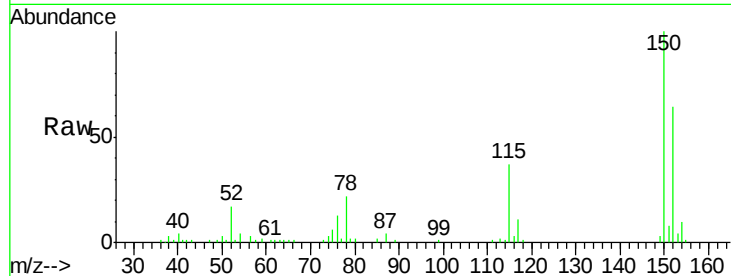


#1

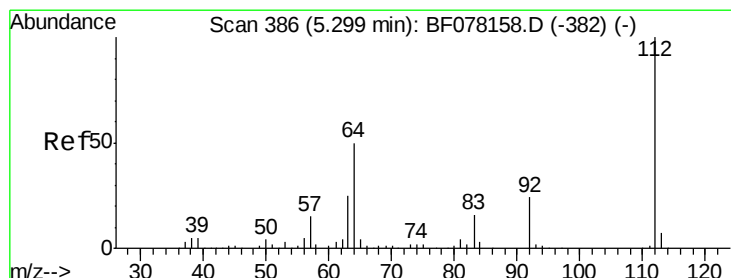
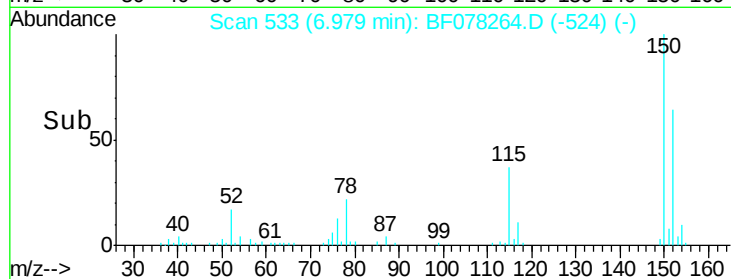
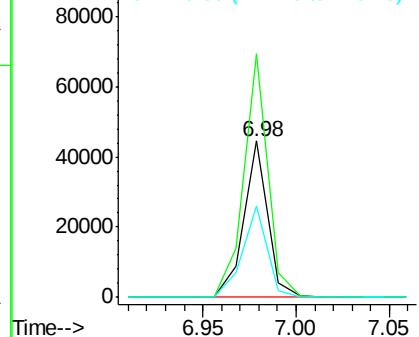
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.98 min Scan# 533  
Delta R.T. 0.00 min  
Lab File: BF078264.D  
Acq: 6 Apr 2015 18:42

Instrument :  
BNA\_F  
ClientSampled :  
MW-14

Tgt Ion:152 Resp: 39708  
Ion Ratio Lower Upper  
152 100  
150 155.7 125.9 188.9  
115 58.1 52.7 79.1



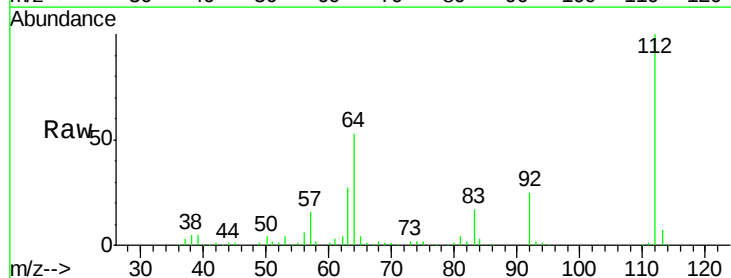
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



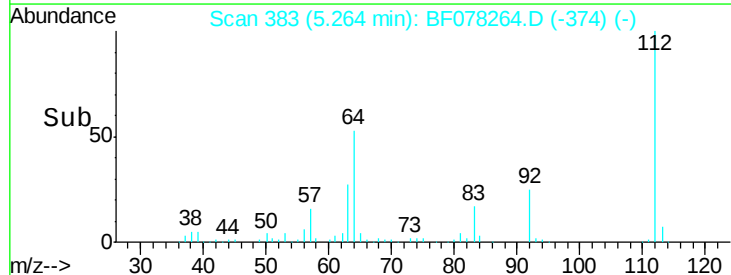
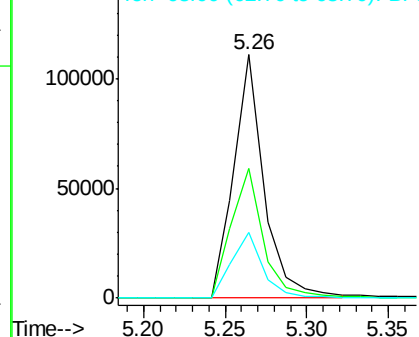
#5

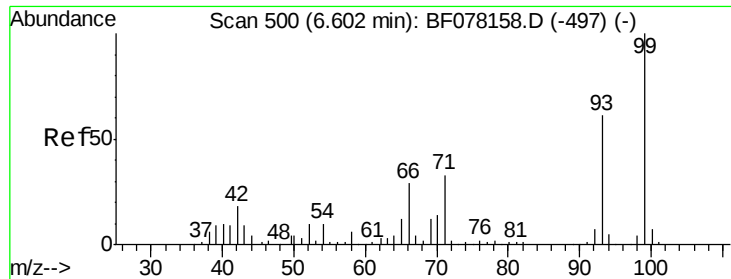
2-Fluorophenol  
Concen: 59.19 ng  
RT: 5.26 min Scan# 383  
Delta R.T. 0.00 min  
Lab File: BF078264.D  
Acq: 6 Apr 2015 18:42

Tgt Ion:112 Resp: 142542  
Ion Ratio Lower Upper  
112 100  
64 53.1 39.9 59.9  
63 27.2 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: 38.92 ng

RT: 6.58 min Scan# 498

Delta R.T. 0.00 min

Lab File: BF078264.D

Acq: 6 Apr 2015 18:42

Instrument :

BNA\_F

ClientSampled :

MW-14

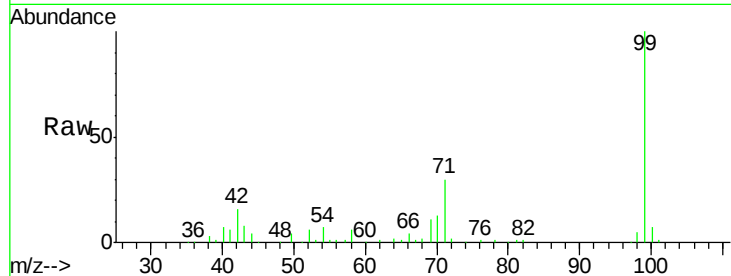
Tgt Ion: 99 Resp: 117467

Ion Ratio Lower Upper

99 100

42 16.3 14.8 22.2

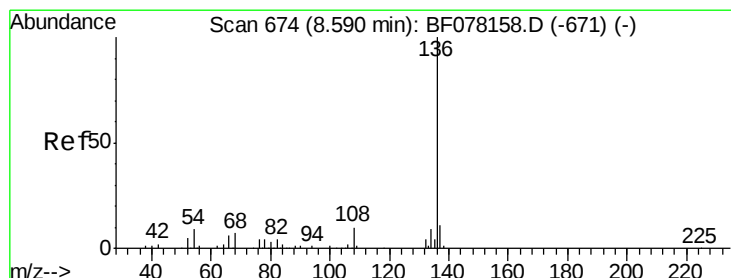
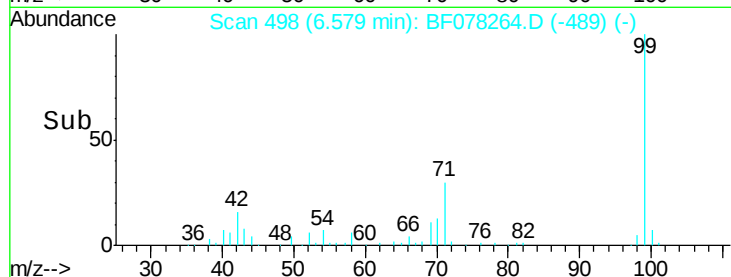
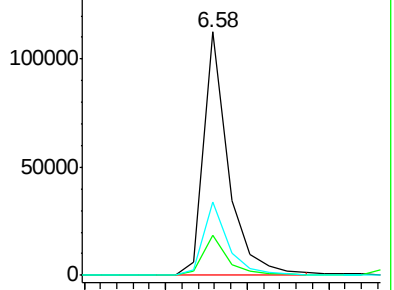
71 30.3 26.6 39.8



Abundance Ion 99.00 (98.70 to 99.70): BF078158.D (-497) (-)

Ion 42.00 (41.70 to 42.70): BF078158.D (-497) (-)

Ion 71.00 (70.70 to 71.70): BF078158.D (-497) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.56 min Scan# 671

Delta R.T. 0.00 min

Lab File: BF078264.D

Acq: 6 Apr 2015 18:42

Tgt Ion: 136 Resp: 159337

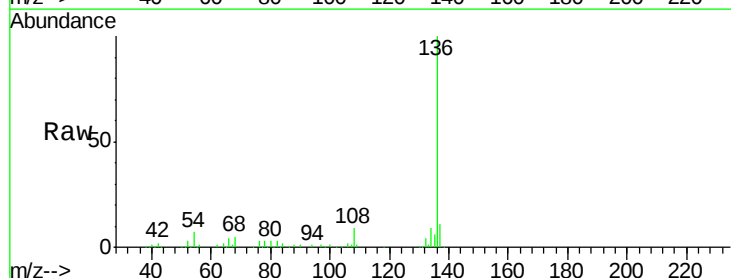
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.4

54 6.5 7.0 10.6#

68 5.4 5.4 8.2#

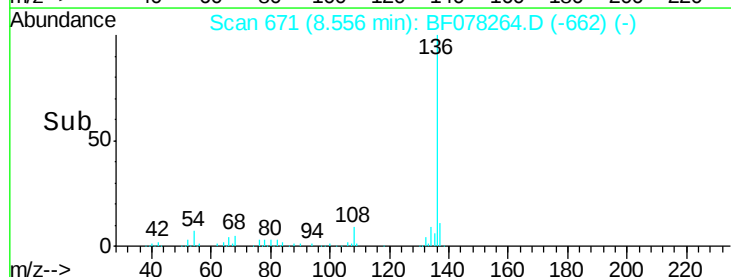
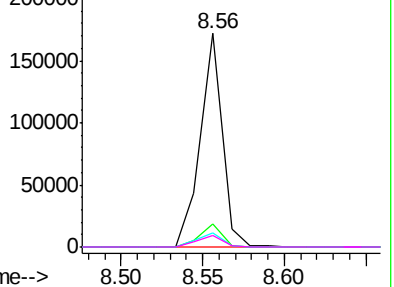


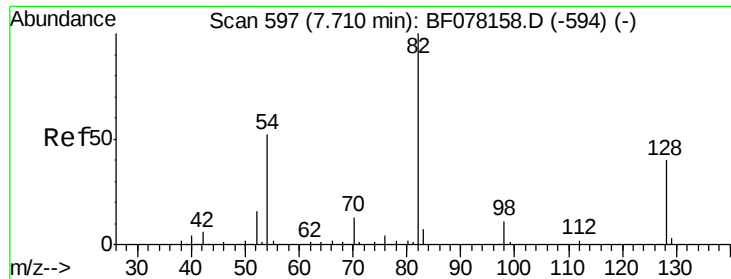
Abundance Ion 136.00 (135.70 to 136.70): BF078158.D (-671) (-)

Ion 137.00 (136.70 to 137.70): BF078158.D (-671) (-)

Ion 54.00 (53.70 to 54.70): BF078158.D (-671) (-)

Ion 68.00 (67.70 to 68.70): BF078158.D (-671) (-)

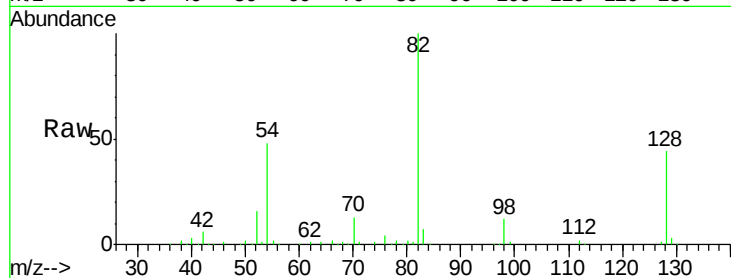




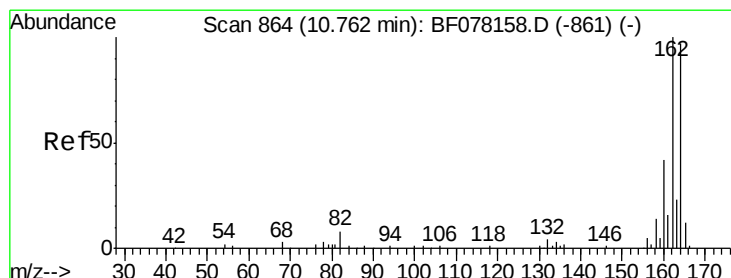
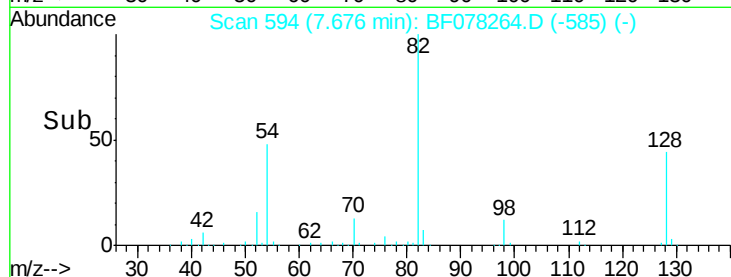
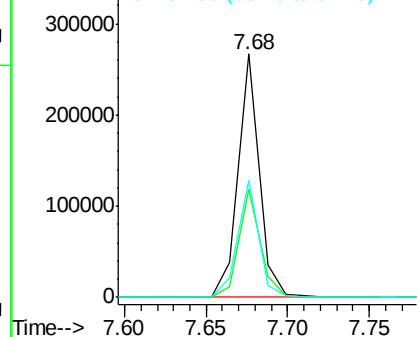
#23  
 Nitrobenzene-d5  
 Concen: 90.34 ng  
 RT: 7.68 min Scan# 594  
 Delta R.T. 0.00 min  
 Lab File: BF078264.D  
 Acq: 6 Apr 2015 18:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-14

Tgt Ion: 82 Resp: 237483  
 Ion Ratio Lower Upper  
 82 100  
 128 44.2 31.8 47.8  
 54 48.2 41.5 62.3

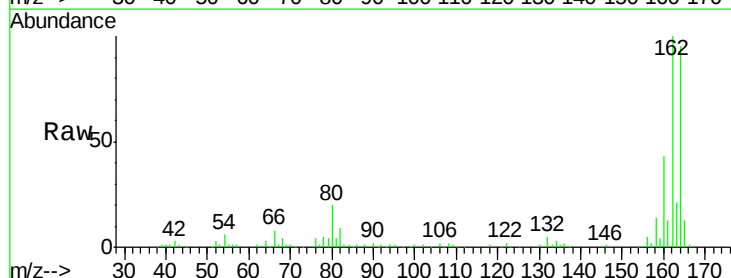


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

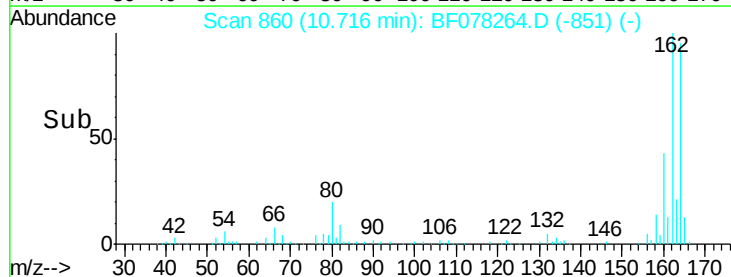
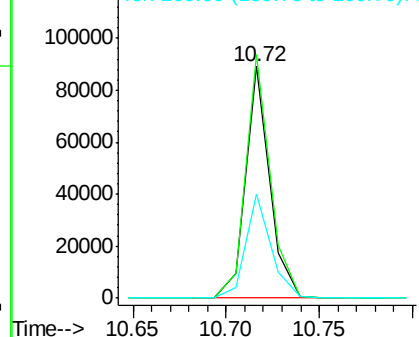


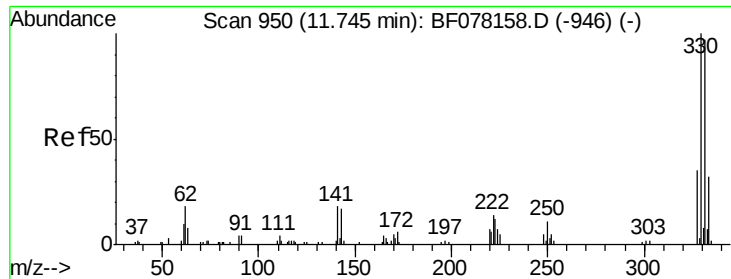
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.72 min Scan# 860  
 Delta R.T. 0.00 min  
 Lab File: BF078264.D  
 Acq: 6 Apr 2015 18:42

Tgt Ion: 164 Resp: 79557  
 Ion Ratio Lower Upper  
 164 100  
 162 105.2 82.2 123.2  
 160 45.0 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

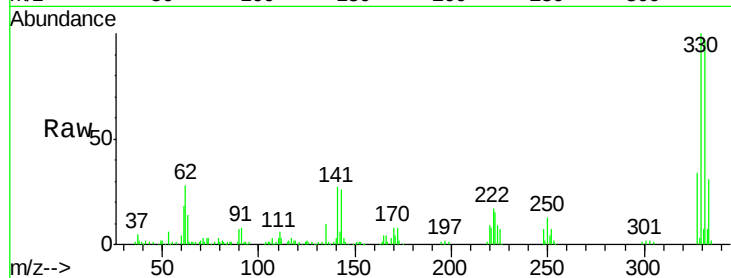




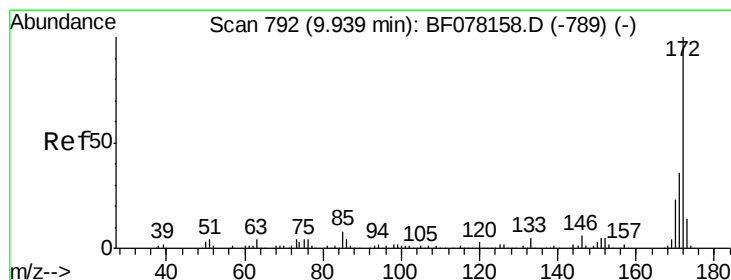
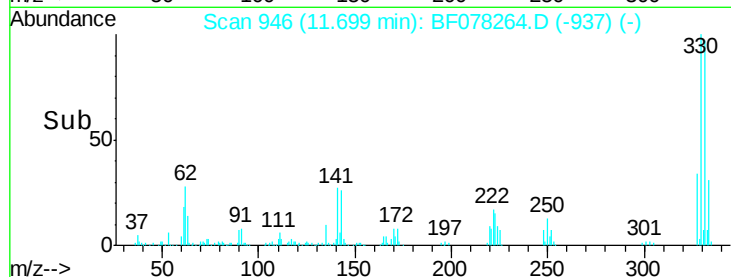
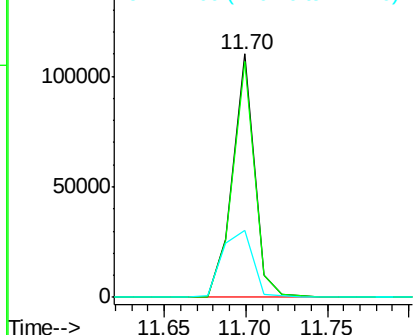
#41  
 2,4,6-Tribromophenol  
 Concen: 155.22 ng  
 RT: 11.70 min Scan# 946  
 Delta R.T. 0.00 min  
 Lab File: BF078264.D  
 Acq: 6 Apr 2015 18:42

Instrument :  
 BNA\_F  
 ClientSampled :  
 MW-14

Tgt Ion:330 Resp: 102417  
 Ion Ratio Lower Upper  
 330 100  
 332 97.5 78.6 117.8  
 141 38.7 31.2 46.8

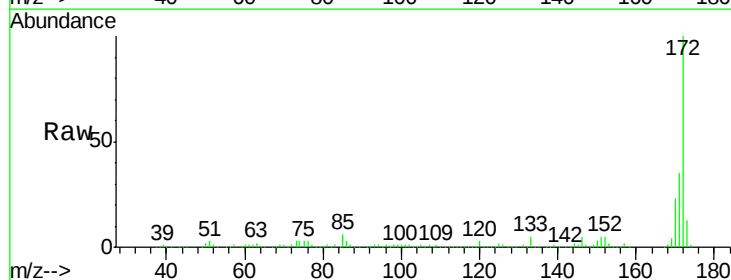


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

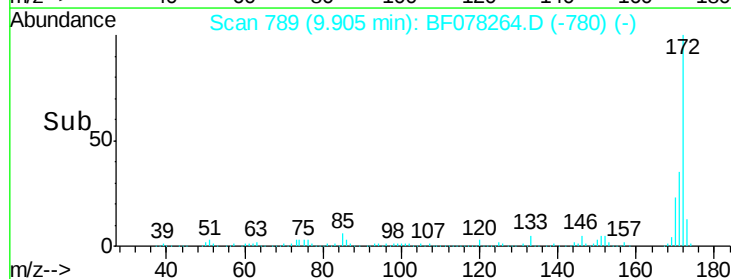
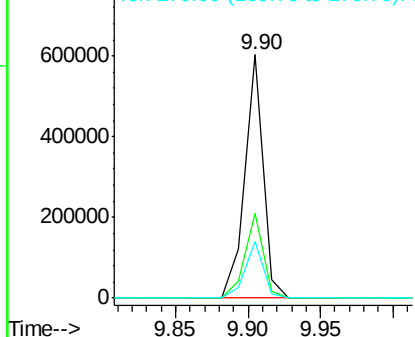


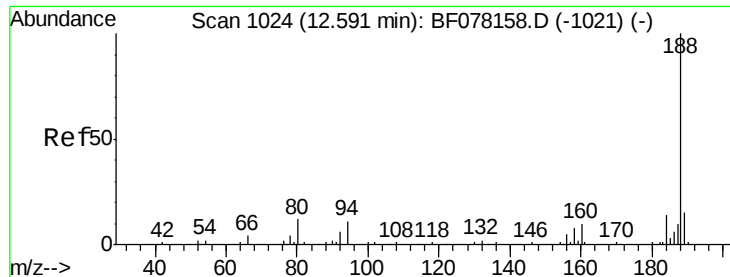
#44  
 2-Fluorobiphenyl  
 Concen: 95.62 ng  
 RT: 9.90 min Scan# 789  
 Delta R.T. 0.00 min  
 Lab File: BF078264.D  
 Acq: 6 Apr 2015 18:42

Tgt Ion:172 Resp: 532172  
 Ion Ratio Lower Upper  
 172 100  
 171 34.6 28.6 42.8  
 170 23.4 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: 12.55 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF078264.D

Acq: 6 Apr 2015 18:42

Instrument :

BNA\_F

ClientSampleId :

MW-14

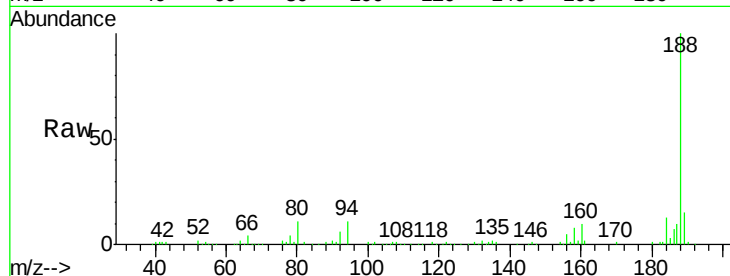
Tgt Ion:188 Resp: 158251

Ion Ratio Lower Upper

188 100

94 11.0 9.0 13.4

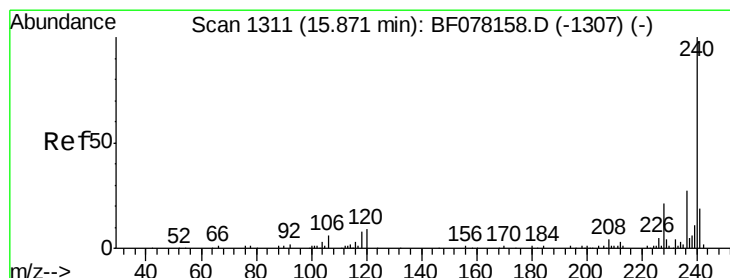
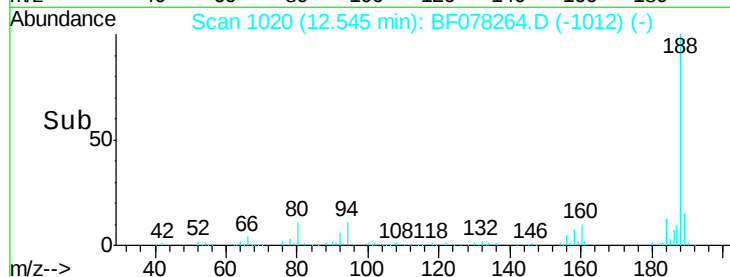
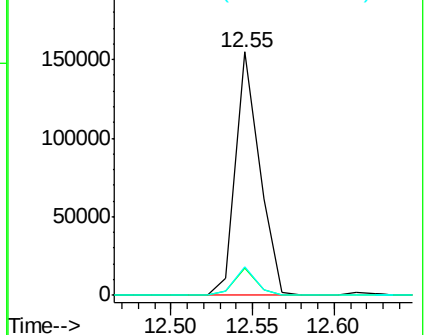
80 11.5 9.5 14.3



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: 15.81 min Scan# 1306

Delta R.T. -0.03 min

Lab File: BF078264.D

Acq: 6 Apr 2015 18:42

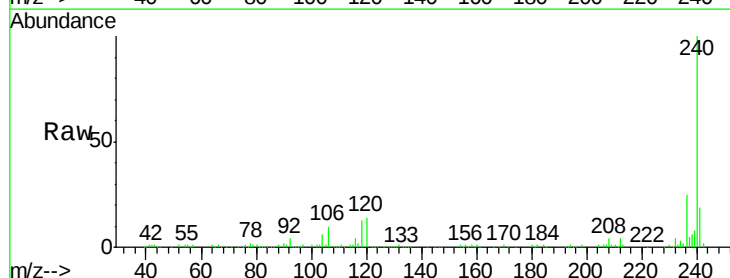
Tgt Ion:240 Resp: 159941

Ion Ratio Lower Upper

240 100

120 14.3 7.1 10.7#

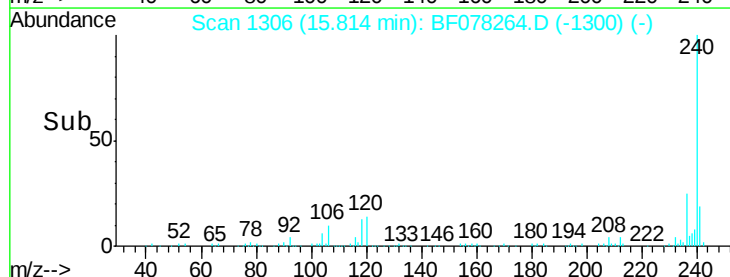
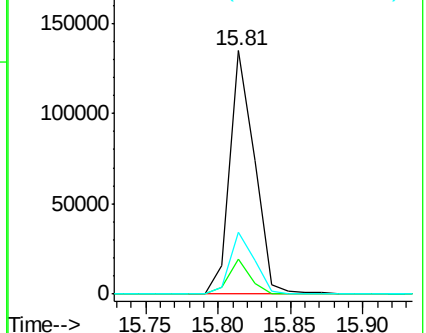
236 25.2 21.4 32.2

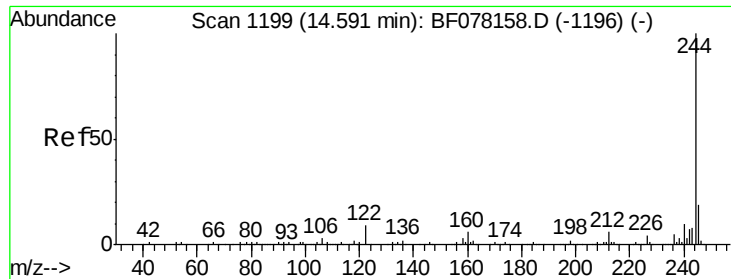


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

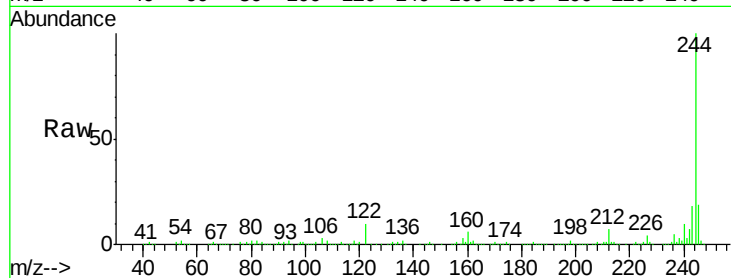




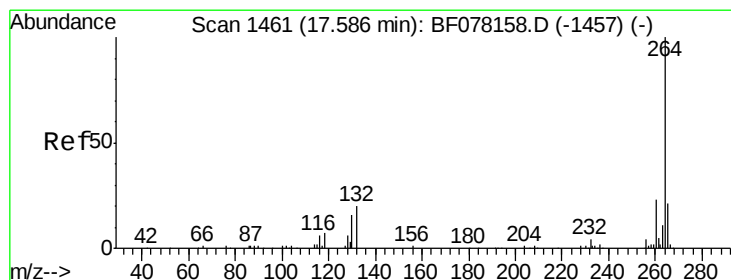
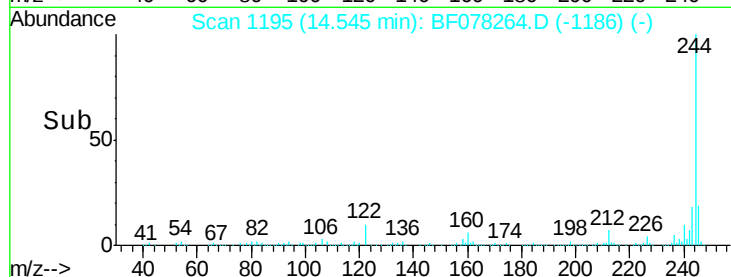
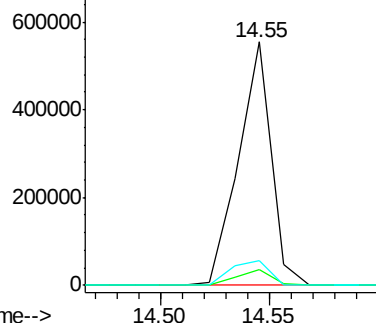
#78  
 Terphenyl-d14  
 Concen: 82.69 ng  
 RT: 14.55 min Scan# 1195  
 Delta R.T. 0.00 min  
 Lab File: BF078264.D  
 Acq: 6 Apr 2015 18:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-14

Tgt Ion:244 Resp: 585296  
 Ion Ratio Lower Upper  
 244 100  
 212 6.5 5.0 7.4  
 122 10.2 7.1 10.7

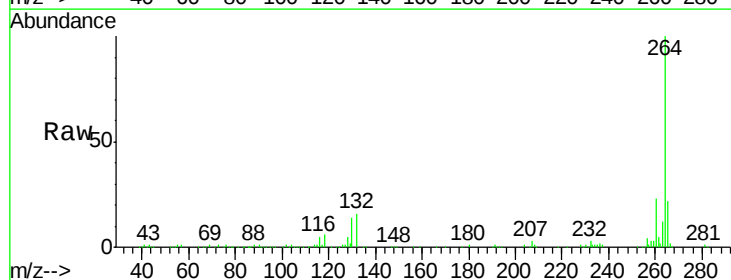


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 17.54 min Scan# 1457  
 Delta R.T. -0.10 min  
 Lab File: BF078264.D  
 Acq: 6 Apr 2015 18:42

Tgt Ion:264 Resp: 156878  
 Ion Ratio Lower Upper  
 264 100  
 260 23.0 18.6 27.8  
 265 21.7 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

