

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF061615\  
 Data File : BF079991.D  
 Acq On : 16 Jun 2015 15:30  
 Operator : TP/IZ  
 Sample : G2638-02  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP15-JMW0991

Quant Time: Jun 17 00:48:09 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 15 15:44:31 2015  
 Response via : Initial Calibration

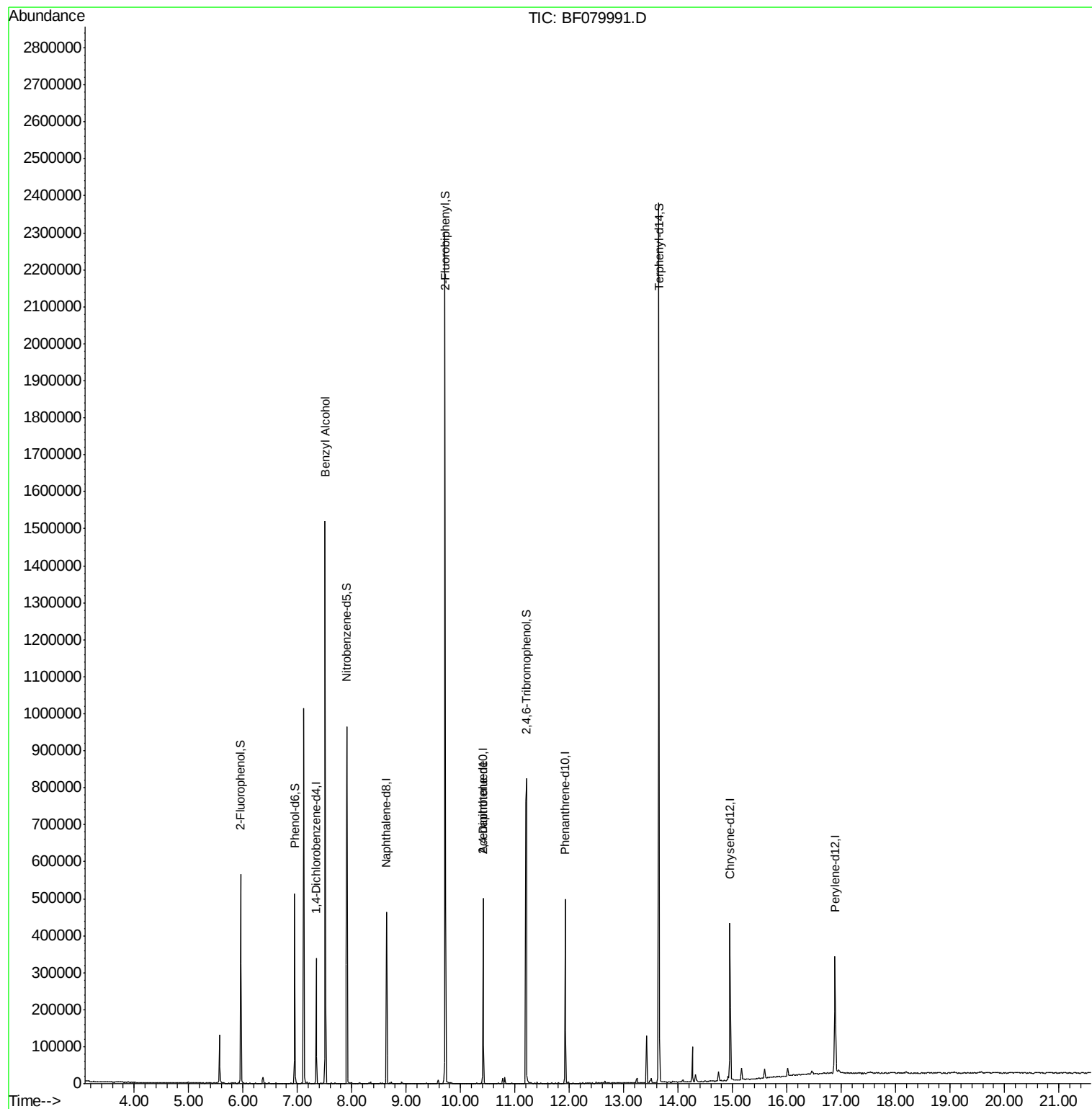
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.35  | 152  | 47517    | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.64  | 136  | 188072   | 20.00     | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.41 | 164  | 91367    | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.92 | 188  | 184926   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12            | 14.95 | 240  | 190162   | 20.00     | ng    | 0.05     |
| 86) Perylene-d12            | 16.88 | 264  | 184605   | 20.00     | ng    | 0.08     |
| System Monitoring Compounds |       |      |          |           |       |          |
| 5) 2-Fluorophenol           | 5.96  | 112  | 176186   | 67.99     | ng    | 0.00     |
| 7) Phenol-d6                | 6.95  | 99   | 152861   | 43.30     | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.91  | 82   | 303588   | 106.50    | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.21 | 330  | 136062   | 147.45    | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.72  | 172  | 661239   | 101.34    | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.65 | 244  | 869043   | 105.36    | ng    | 0.02     |
| Target Compounds            |       |      |          |           |       |          |
| 15) Benzyl Alcohol          | 7.51  | 79   | 6380     | 2.25      | ng    | # 47     |
| 56) 2,4-Dinitrotoluene      | 10.41 | 165  | 11093    | 10.44     | ng    | # 32     |
| 82) Chrysene                | 14.99 | 228  | 283      | Below Cal |       | # 49     |

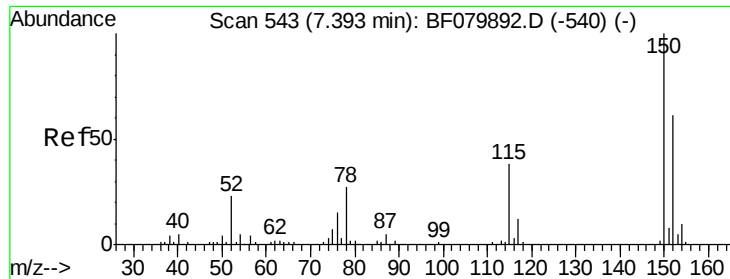
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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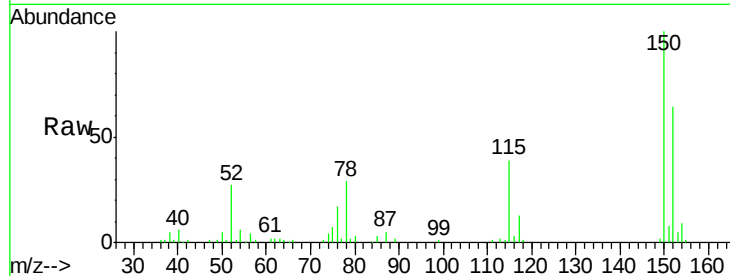


#1

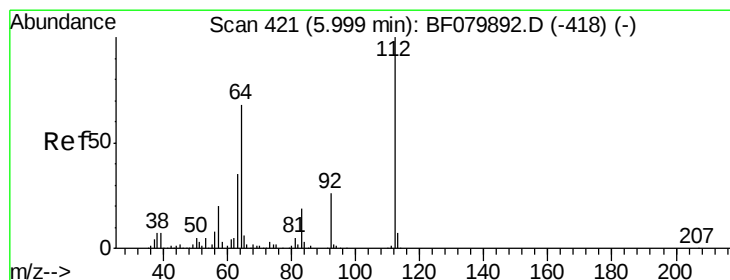
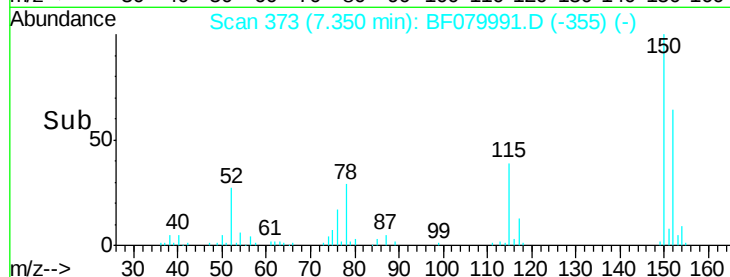
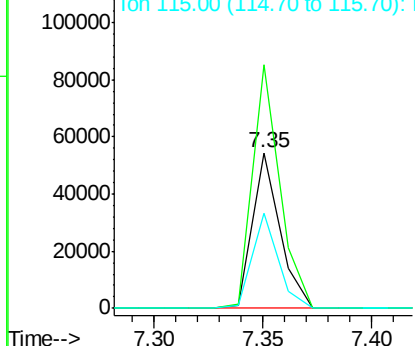
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.35 min Scan# 373  
Delta R.T. 0.00 min  
Lab File: BF079991.D  
Acq: 16 Jun 2015 15:30

Instrument :  
BNA\_F  
ClientSampleId :  
SP15-JMW0991

Tgt Ion:152 Resp: 47517  
Ion Ratio Lower Upper  
152 100  
150 156.4 131.0 196.4  
115 60.7 49.8 74.6



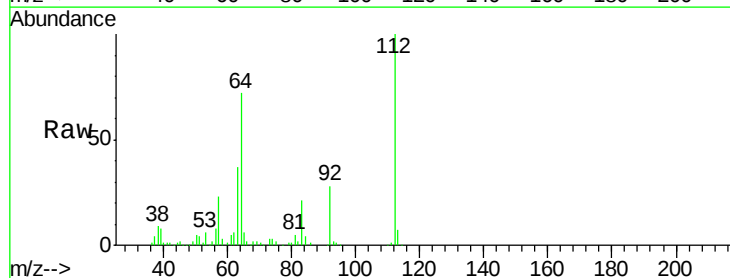
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



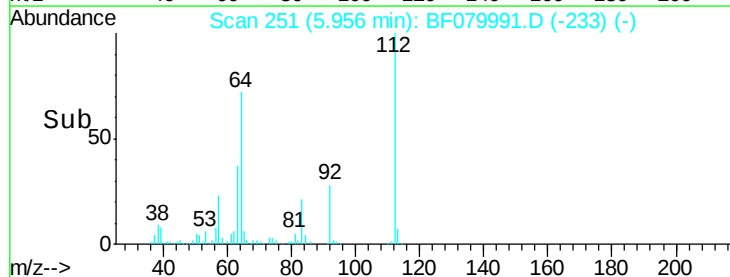
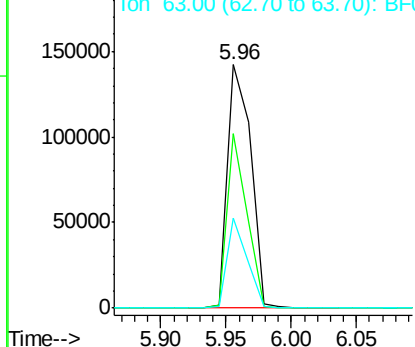
#5

2-Fluorophenol  
Concen: 67.99 ng  
RT: 5.96 min Scan# 251  
Delta R.T. 0.00 min  
Lab File: BF079991.D  
Acq: 16 Jun 2015 15:30

Tgt Ion:112 Resp: 176186  
Ion Ratio Lower Upper  
112 100  
64 71.8 54.5 81.7  
63 36.9 27.9 41.9



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: 43.30 ng

RT: 6.95 min Scan# 338

Delta R.T. 0.00 min

Lab File: BF079991.D

Acq: 16 Jun 2015 15:30

Instrument :

BNA\_F

ClientSampleId :

SP15-JMW0991

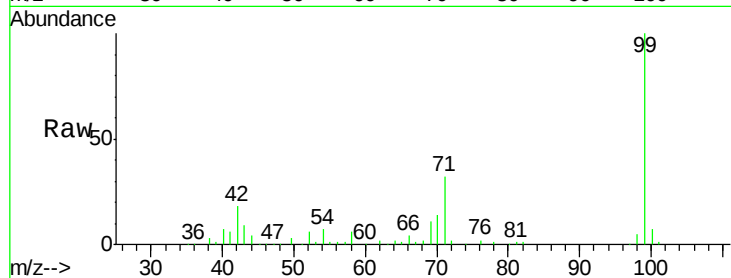
Tgt Ion: 99 Resp: 152861

Ion Ratio Lower Upper

99 100

42 17.6 12.9 19.3

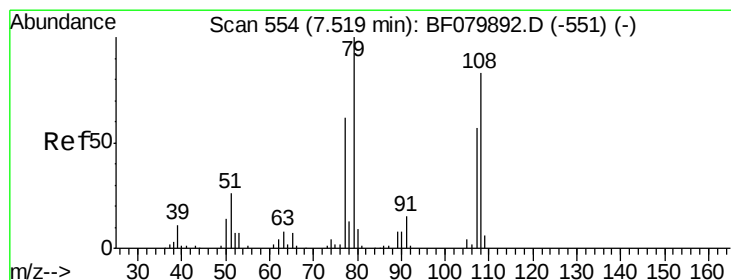
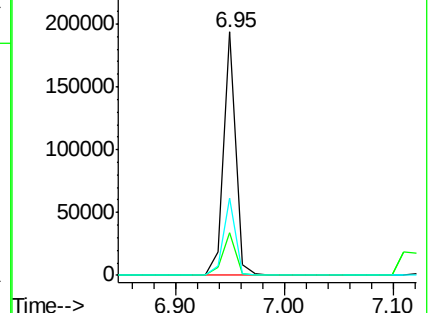
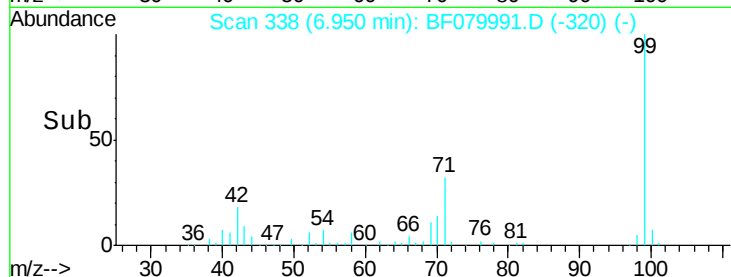
71 31.8 23.4 35.2



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



#15

Benzyl Alcohol

Concen: 2.25 ng

RT: 7.51 min Scan# 387

Delta R.T. 0.03 min

Lab File: BF079991.D

Acq: 16 Jun 2015 15:30

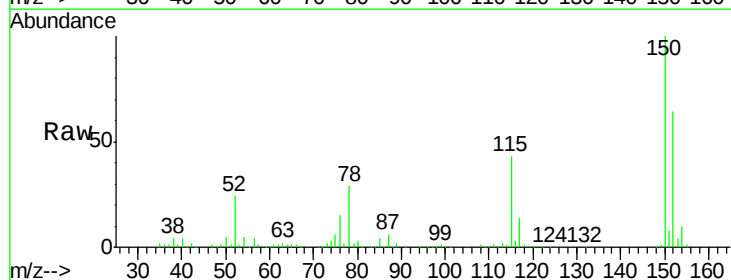
Tgt Ion: 79 Resp: 6380

Ion Ratio Lower Upper

79 100

108 32.0 66.4 99.6#

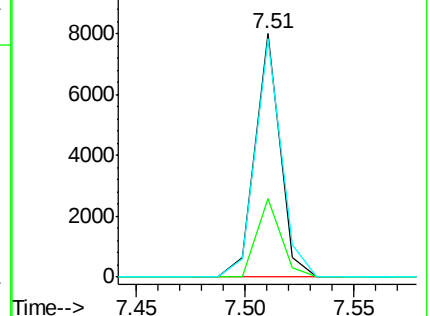
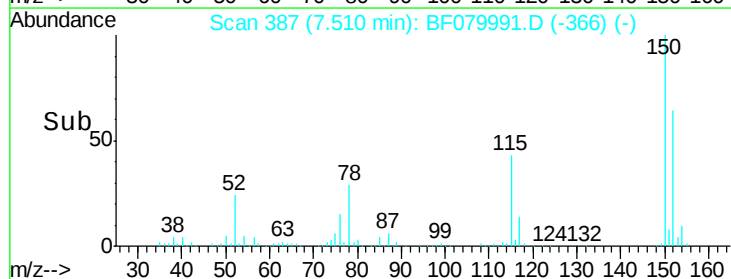
77 97.9 49.4 74.0#

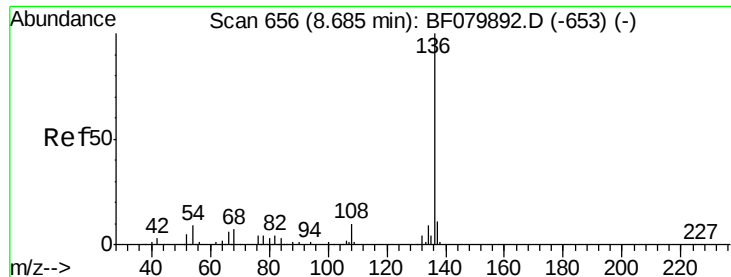


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

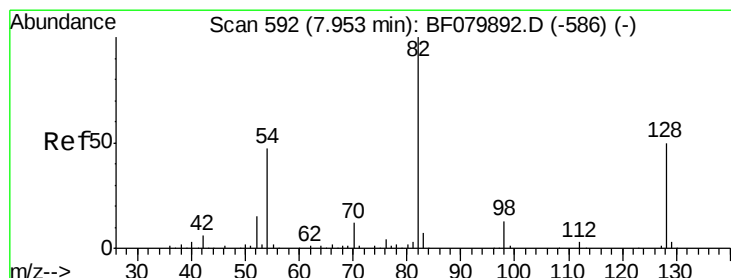
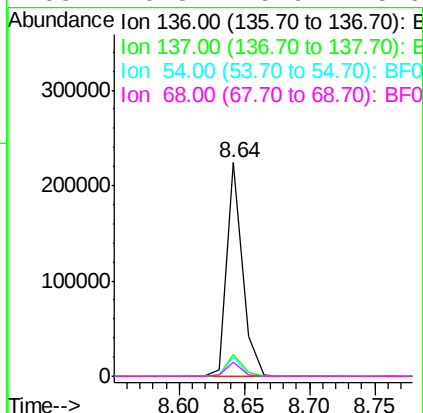
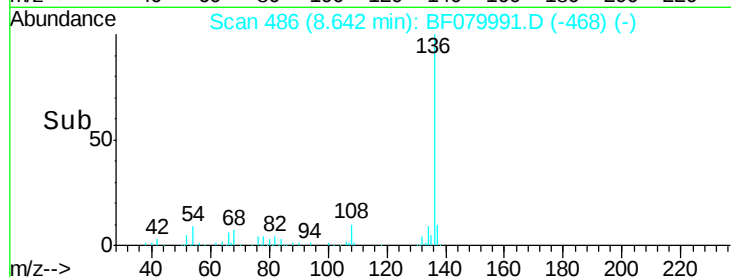
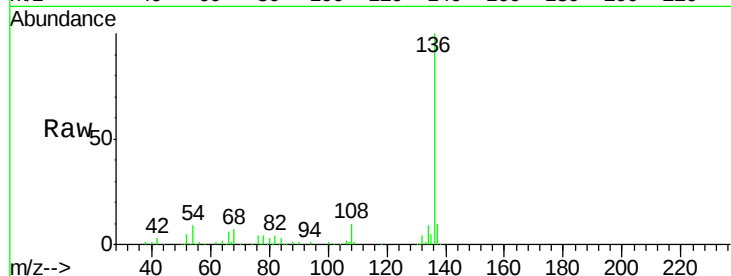




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.64 min Scan# 486  
Delta R.T. 0.00 min  
Lab File: BF079991.D  
Acq: 16 Jun 2015 15:30

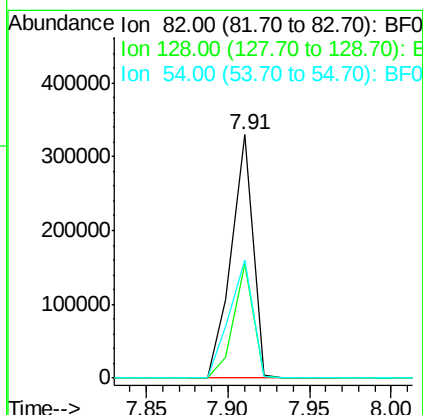
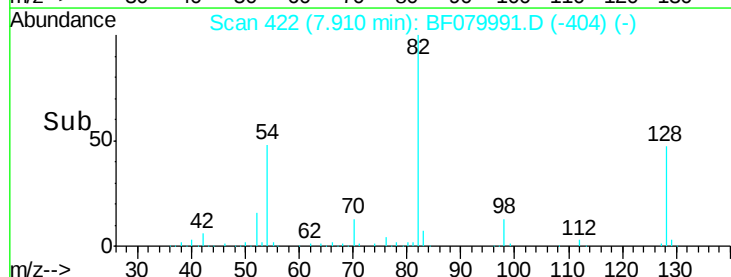
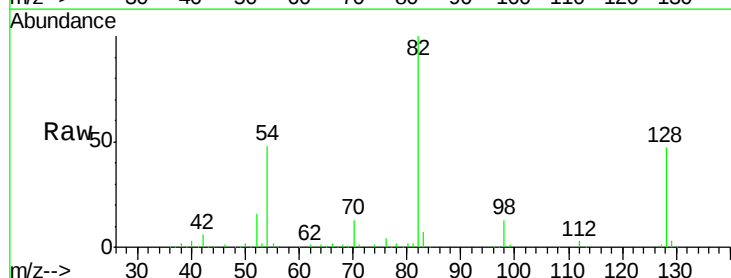
Instrument :  
BNA\_F  
ClientSampleId :  
SP15-JMW0991

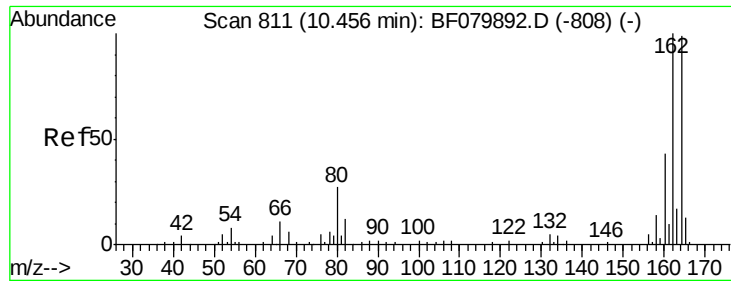
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 188072 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.2  | 8.7   | 13.1   |
| 54       | 9.0   | 7.3   | 10.9   |
| 68       | 6.8   | 5.9   | 8.9    |



#23  
Nitrobenzene-d5  
Concen: 106.50 ng  
RT: 7.91 min Scan# 422  
Delta R.T. 0.00 min  
Lab File: BF079991.D  
Acq: 16 Jun 2015 15:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 303588 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 47.1  | 40.3  | 60.5   |
| 54       | 48.4  | 38.0  | 57.0   |

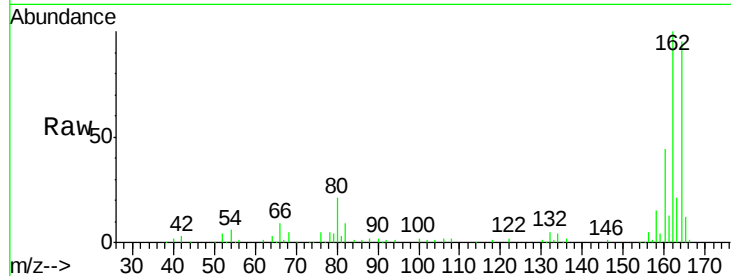




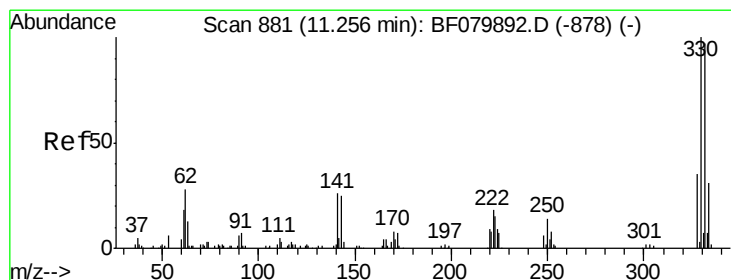
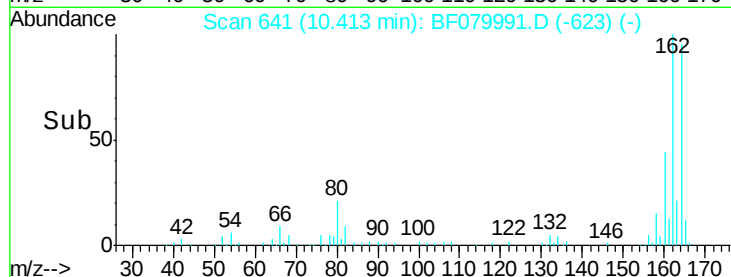
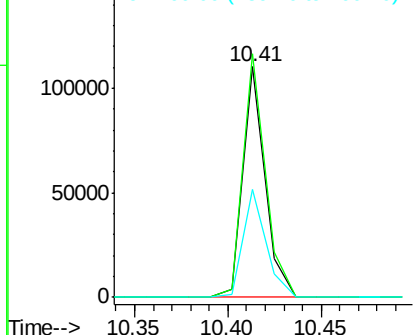
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.41 min Scan# 641  
 Delta R.T. 0.00 min  
 Lab File: BF079991.D  
 Acq: 16 Jun 2015 15:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP15-JMW0991

Tgt Ion:164 Resp: 91367  
 Ion Ratio Lower Upper  
 164 100  
 162 105.6 80.7 121.1  
 160 46.8 34.6 51.8

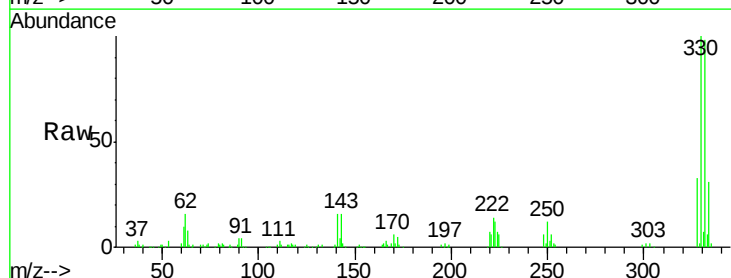


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

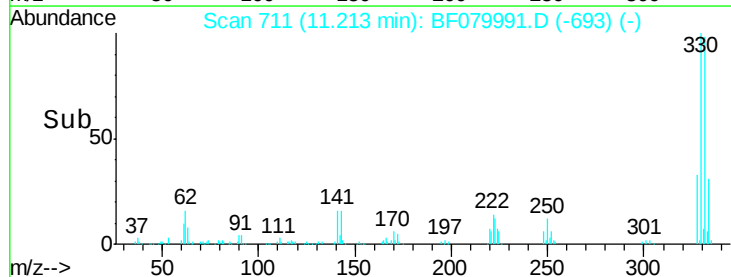
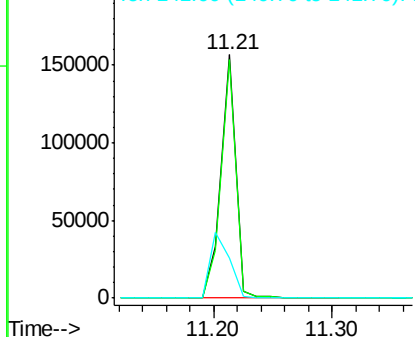


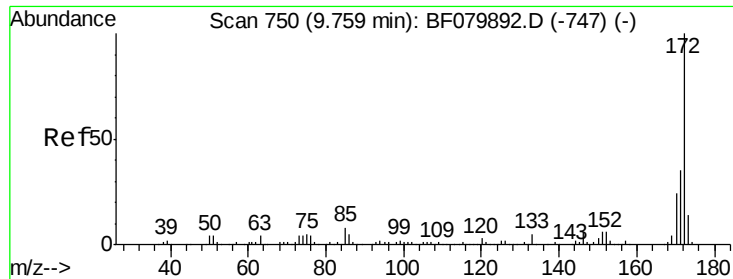
#41  
 2,4,6-Tribromophenol  
 Concen: 147.45 ng  
 RT: 11.21 min Scan# 711  
 Delta R.T. 0.00 min  
 Lab File: BF079991.D  
 Acq: 16 Jun 2015 15:30

Tgt Ion:330 Resp: 136062  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 77.3 115.9  
 141 35.3 26.8 40.2



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

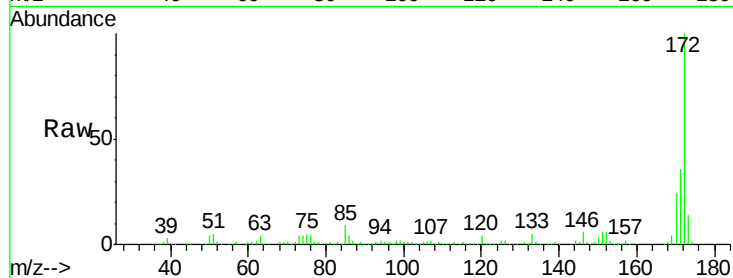




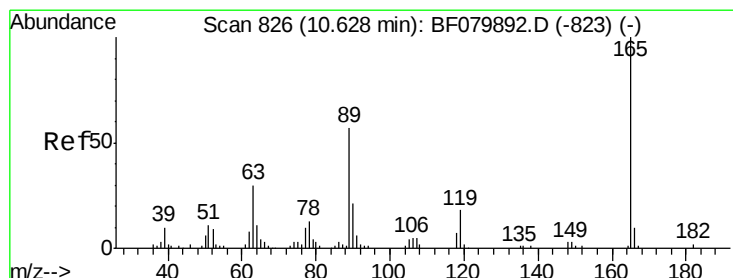
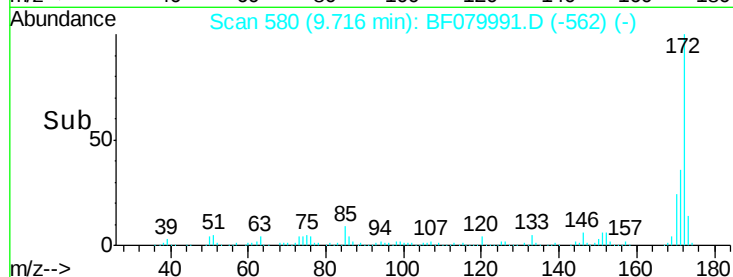
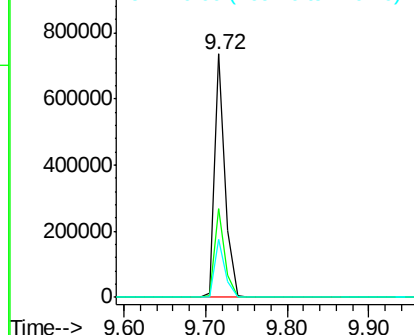
#44  
 2-Fluorobiphenyl  
 Concen: 101.34 ng  
 RT: 9.72 min Scan# 580  
 Delta R.T. 0.00 min  
 Lab File: BF079991.D  
 Acq: 16 Jun 2015 15:30

Instrument :  
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Tgt Ion:172 Resp: 661239  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 28.3 42.5  
 170 24.0 19.0 28.4

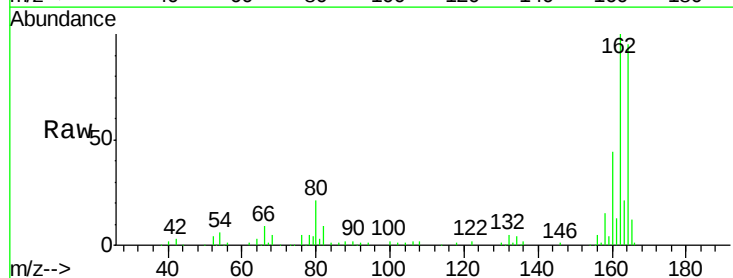


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

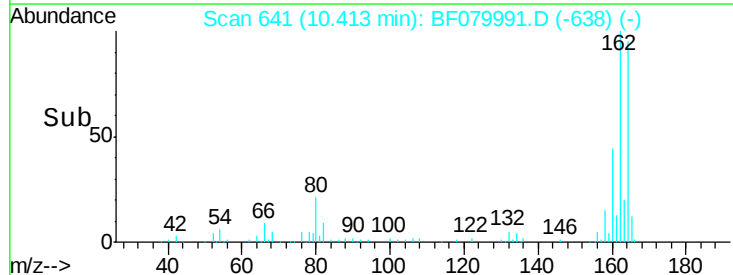
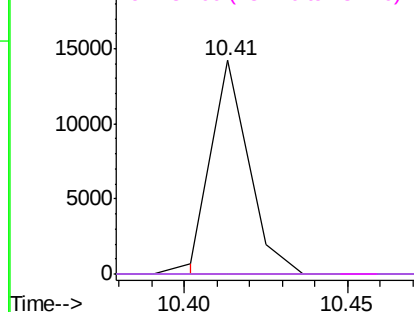


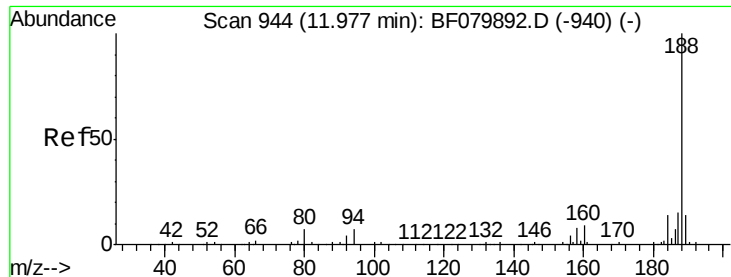
#56  
 2,4-Dinitrotoluene  
 Concen: 10.44 ng  
 RT: 10.41 min Scan# 641  
 Delta R.T. -0.17 min  
 Lab File: BF079991.D  
 Acq: 16 Jun 2015 15:30

Tgt Ion:165 Resp: 11093  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 24.3 36.5#  
 89 0.0 45.4 68.2#  
 182 0.0 1.8 2.8#



Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0  
 Ion 182.00 (181.70 to 182.70): E

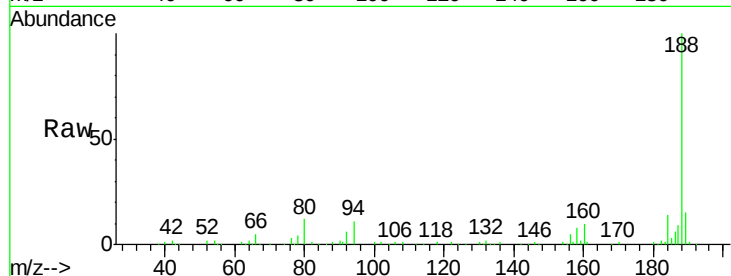




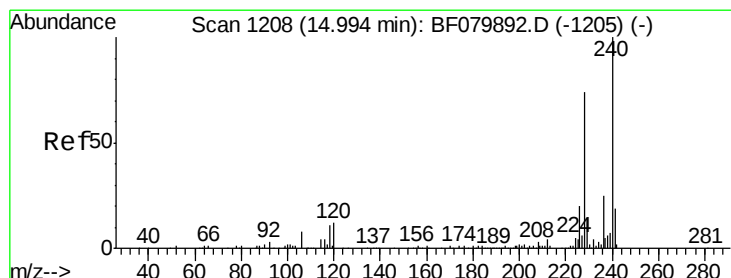
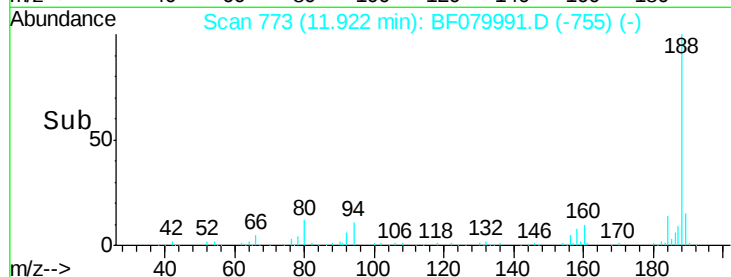
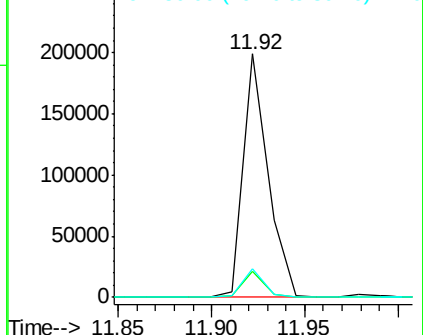
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.92 min Scan# 773  
Delta R.T. 0.00 min  
Lab File: BF079991.D  
Acq: 16 Jun 2015 15:30

Instrument :  
BNA\_F  
ClientSampleId :  
SP15-JMW0991

Tgt Ion:188 Resp: 184926  
Ion Ratio Lower Upper  
188 100  
94 10.9 5.8 8.8#  
80 12.0 5.9 8.9#

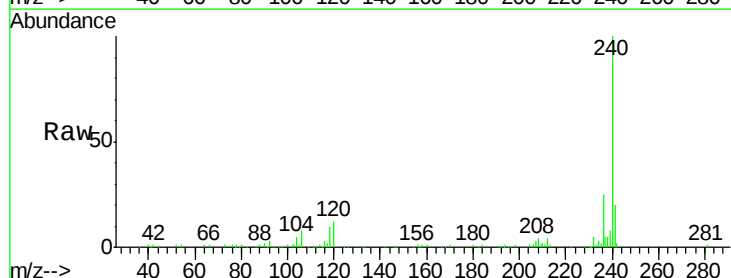


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

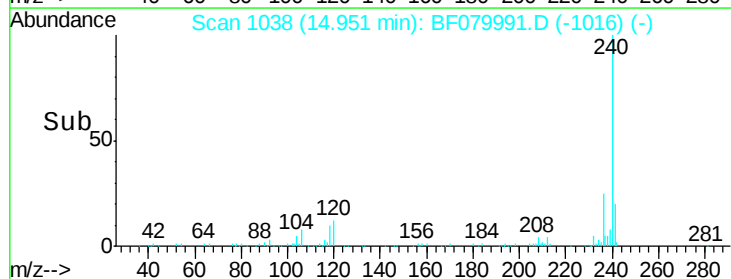
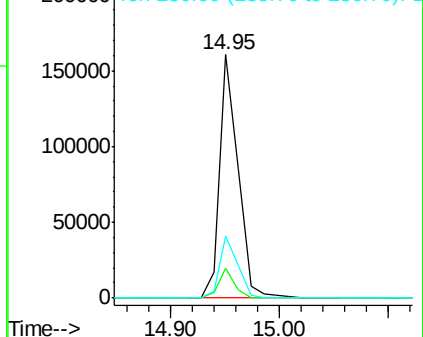


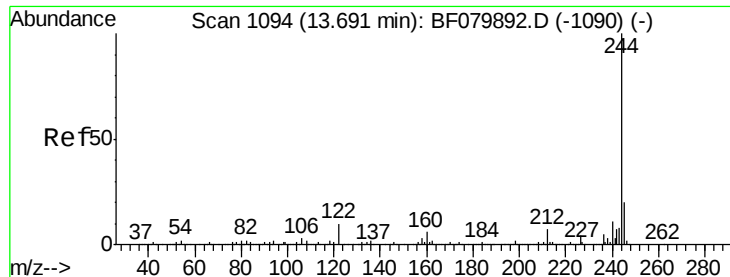
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.95 min Scan# 1038  
Delta R.T. 0.05 min  
Lab File: BF079991.D  
Acq: 16 Jun 2015 15:30

Tgt Ion:240 Resp: 190162  
Ion Ratio Lower Upper  
240 100  
120 12.1 9.4 14.2  
236 25.4 19.6 29.4



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

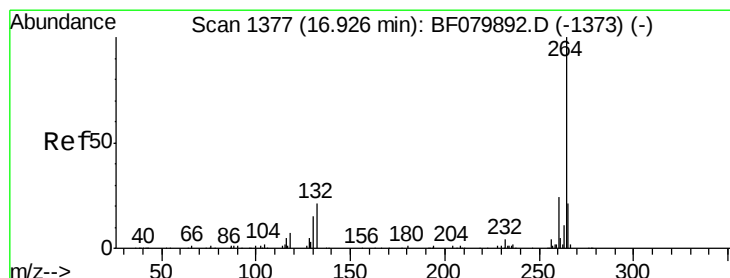
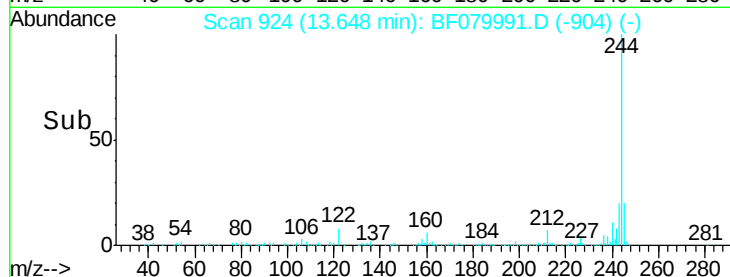
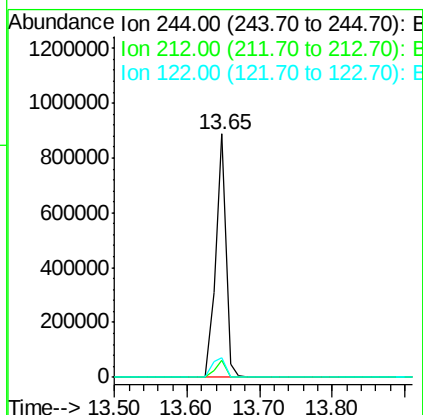
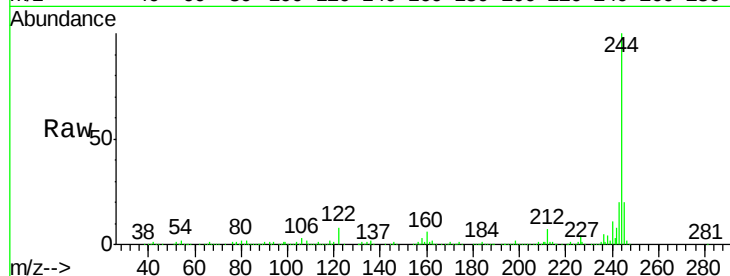




#78  
 Terphenyl-d14  
 Concen: 105.36 ng  
 RT: 13.65 min Scan# 924  
 Delta R.T. 0.02 min  
 Lab File: BF079991.D  
 Acq: 16 Jun 2015 15:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP15-JMW0991

Tgt Ion:244 Resp: 869043  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.4 8.2  
 122 8.2 7.8 11.8



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 16.88 min Scan# 1207  
 Delta R.T. 0.08 min  
 Lab File: BF079991.D  
 Acq: 16 Jun 2015 15:30

Tgt Ion:264 Resp: 184605  
 Ion Ratio Lower Upper  
 264 100  
 260 24.7 19.3 28.9  
 265 21.4 17.0 25.6

