

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF090915\  
 Data File : BF081562.D  
 Acq On : 9 Sep 2015 20:13  
 Operator : UM/IZ  
 Sample : G3600-02  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-5

Quant Time: Sep 10 05:01:24 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 10 04:43:26 2015  
 Response via : Initial Calibration

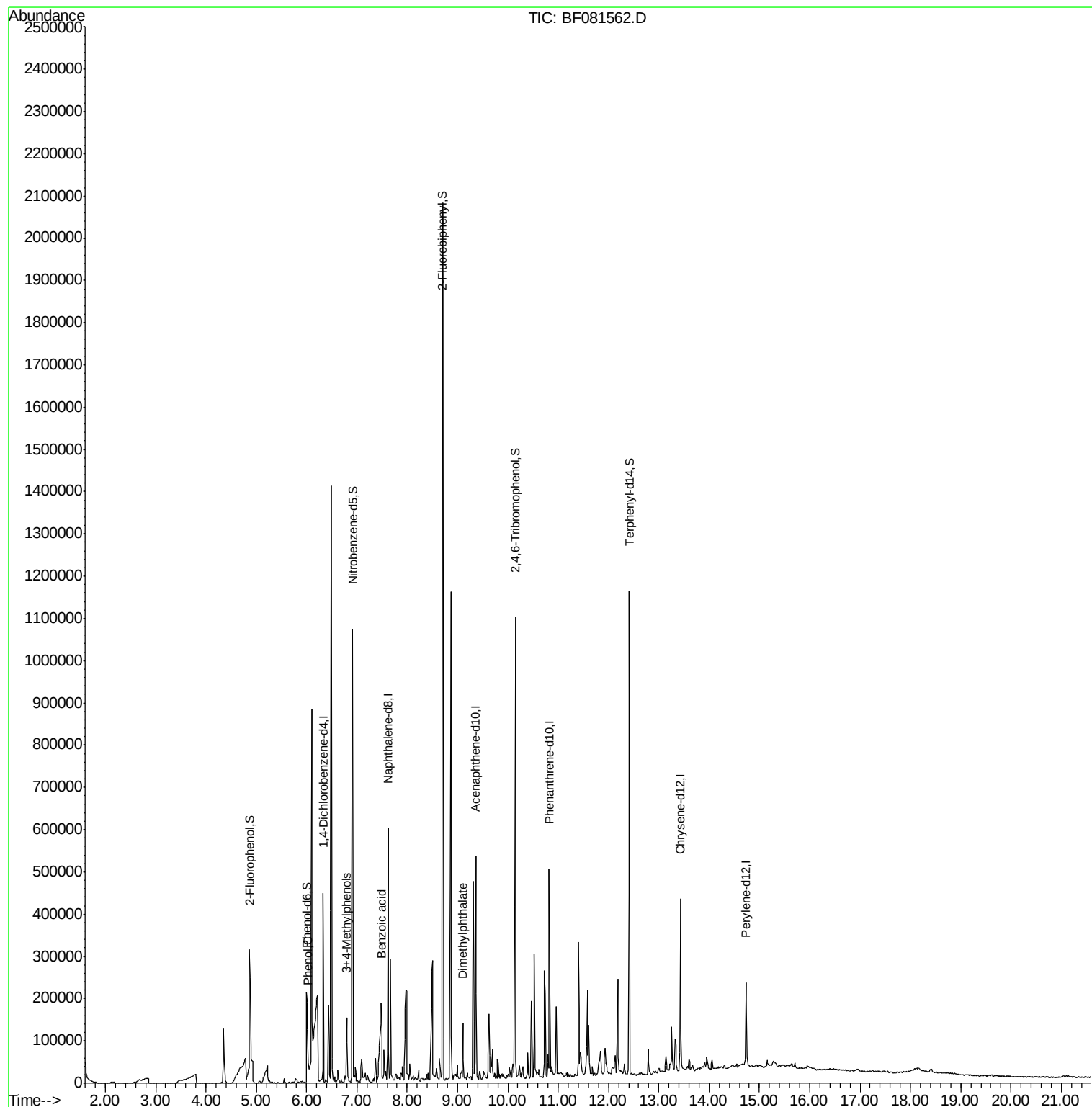
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.33  | 152  | 58072    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.62  | 136  | 220085   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.36  | 164  | 106268   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 10.82 | 188  | 193563   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 13.43 | 240  | 128074   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 14.73 | 264  | 92638    | 20.00 | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 4.87  | 112  | 93620    | 25.01 | ng    | 0.00     |
| 7) Phenol-d6                | 6.00  | 99   | 76309    | 15.40 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 6.91  | 82   | 319431   | 70.03 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.15 | 330  | 69940    | 73.92 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 8.71  | 172  | 551440   | 66.50 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.41 | 244  | 349945   | 63.61 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 10) Phenol                  | 6.02  | 94   | 46989    | 8.18  | ng    | # 57     |
| 20) 3+4-Methylphenols       | 6.80  | 107  | 27223    | 6.14  | ng    | 87       |
| 32) Benzoic acid            | 7.48  | 122  | 47719    | 20.29 | ng    | # 58     |
| 49) Dimethylphthalate       | 9.11  | 163  | 33106    | 4.01  | ng    | # 97     |

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

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Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
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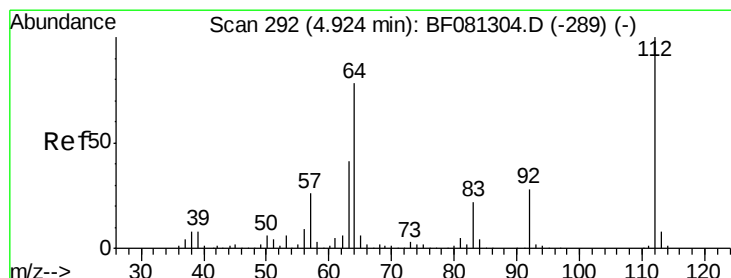
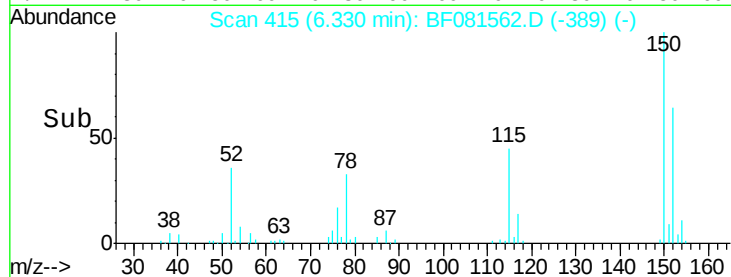
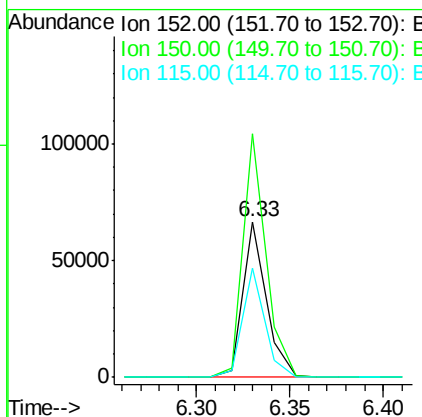
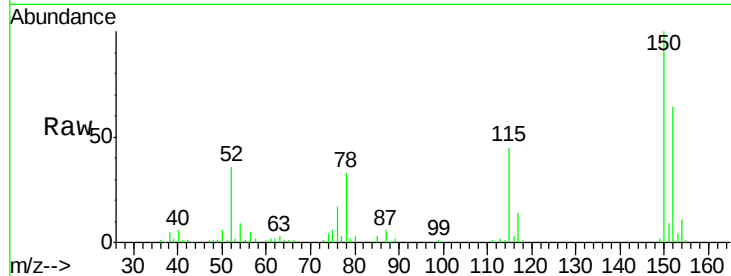




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.33 min Scan# 415  
 Delta R.T. -0.00 min  
 Lab File: BF081562.D  
 Acq: 9 Sep 2015 20:13

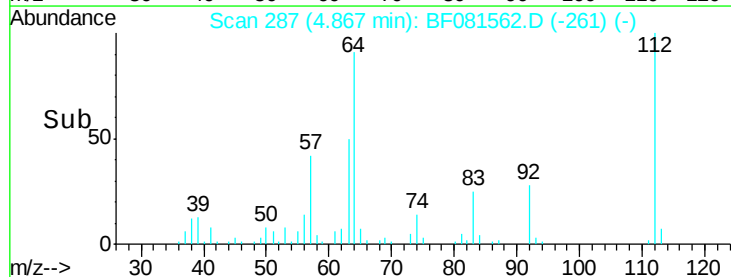
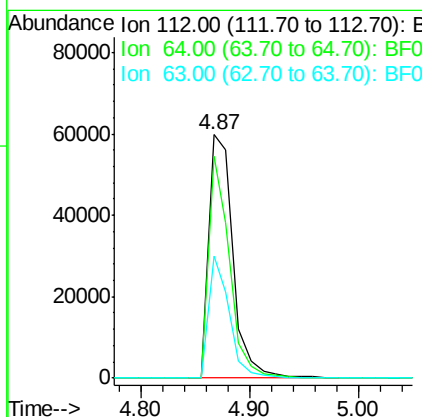
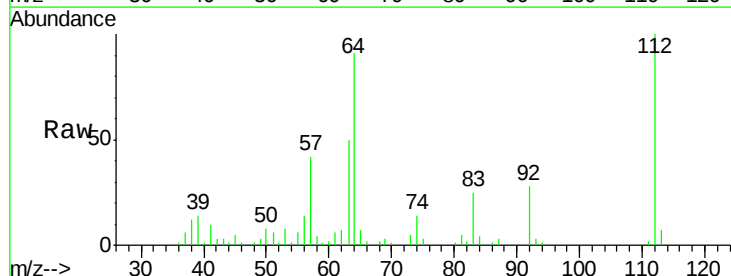
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-5

Tgt Ion:152 Resp: 58072  
 Ion Ratio Lower Upper  
 152 100  
 150 156.6 124.7 187.1  
 115 69.9 39.0 58.4#



#5  
 2-Fluorophenol  
 Concen: 25.01 ng  
 RT: 4.87 min Scan# 287  
 Delta R.T. -0.00 min  
 Lab File: BF081562.D  
 Acq: 9 Sep 2015 20:13

Tgt Ion:112 Resp: 93620  
 Ion Ratio Lower Upper  
 112 100  
 64 91.1 39.7 59.5#  
 63 49.9 17.4 26.0#





#7

Phenol-d6

Concen: 15.40 ng

RT: 6.00 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF081562.D

Acq: 9 Sep 2015 20:13

Instrument :

BNA\_F

ClientSampleId :

TEC-5

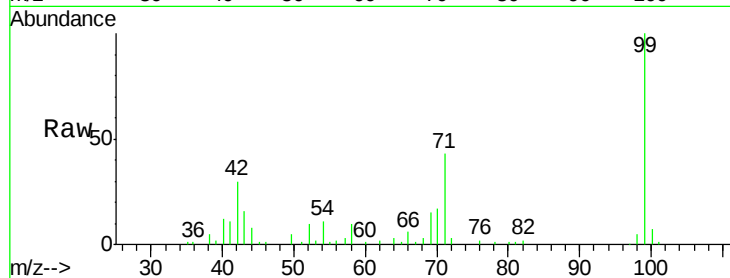
Tgt Ion: 99 Resp: 76309

Ion Ratio Lower Upper

99 100

42 30.0 13.7 20.5#

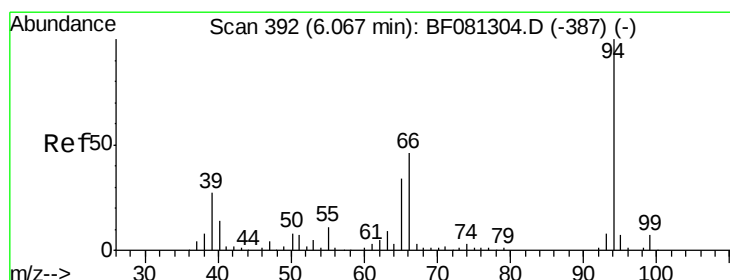
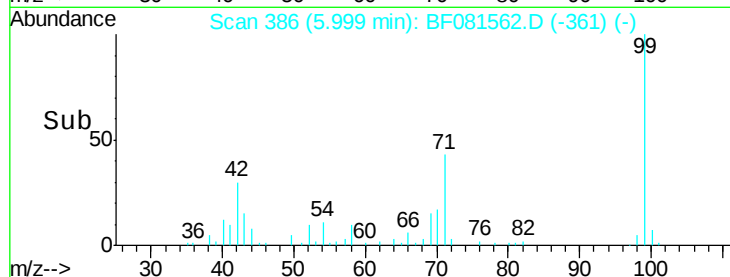
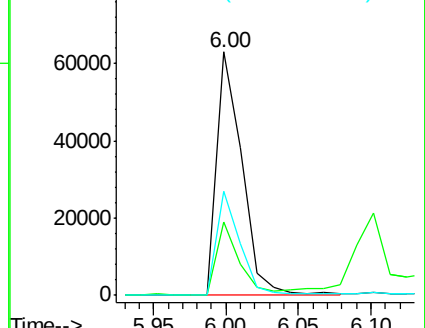
71 42.6 14.2 21.2#



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



#10

Phenol

Concen: 8.18 ng

RT: 6.02 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF081562.D

Acq: 9 Sep 2015 20:13

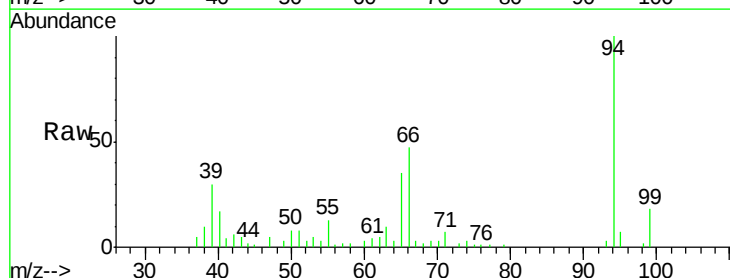
Tgt Ion: 94 Resp: 46989

Ion Ratio Lower Upper

94 100

65 34.9 0.7 40.7

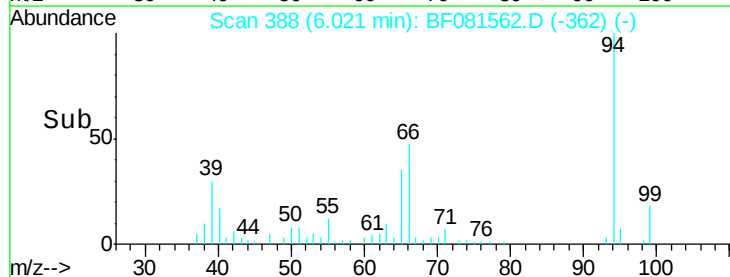
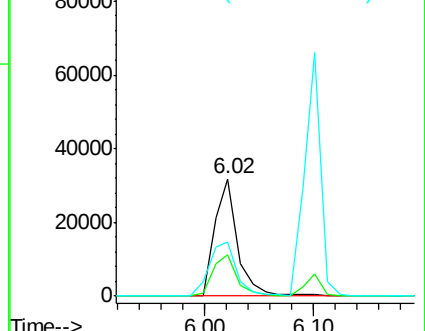
66 46.6 0.8 40.8#

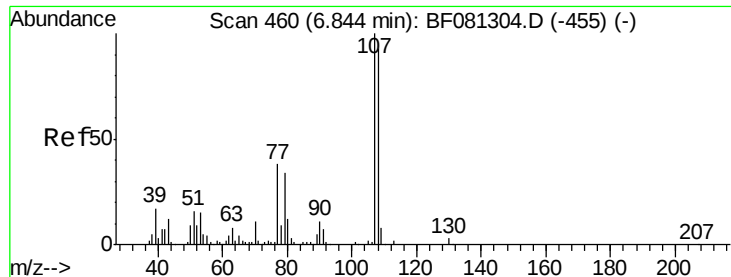


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#20

3+4-Methylphenols

Concen: 6.14 ng

RT: 6.80 min Scan# 456

Delta R.T. -0.00 min

Lab File: BF081562.D

Acq: 9 Sep 2015 20:13

Instrument :

BNA\_F

ClientSampleId :

TEC-5

Tgt Ion:107 Resp: 27223

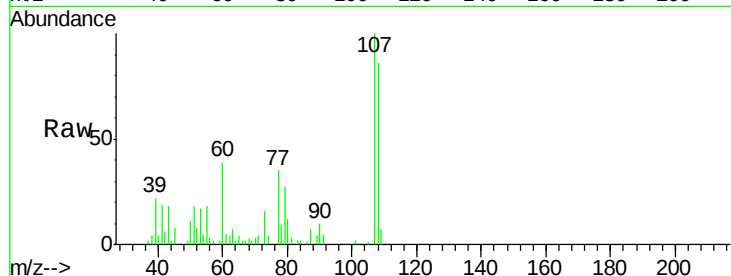
Ion Ratio Lower Upper

107 100

108 86.2 74.6 114.6

77 34.7 0.7 40.7

79 27.4 0.0 38.9

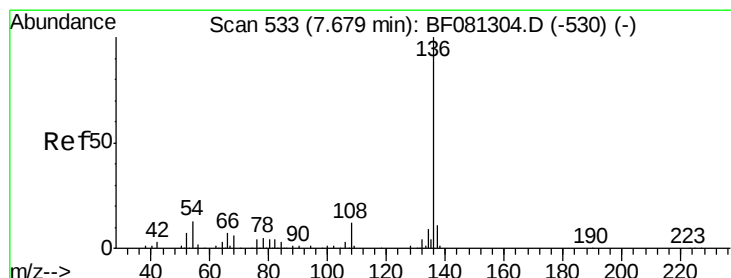
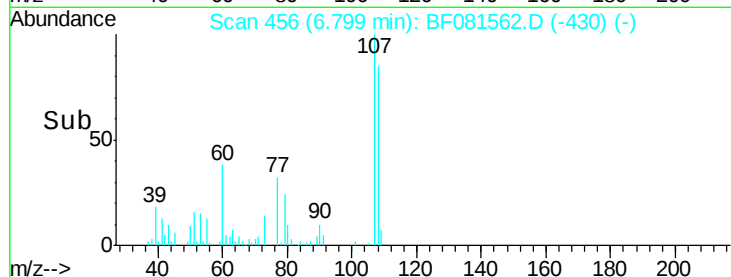
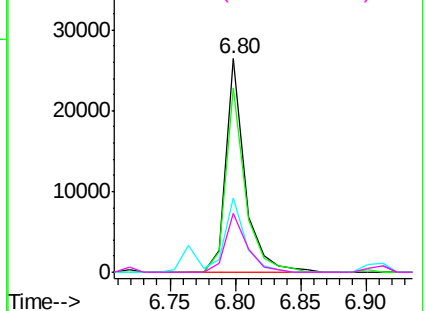


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.62 min Scan# 528

Delta R.T. -0.00 min

Lab File: BF081562.D

Acq: 9 Sep 2015 20:13

Tgt Ion:136 Resp: 220085

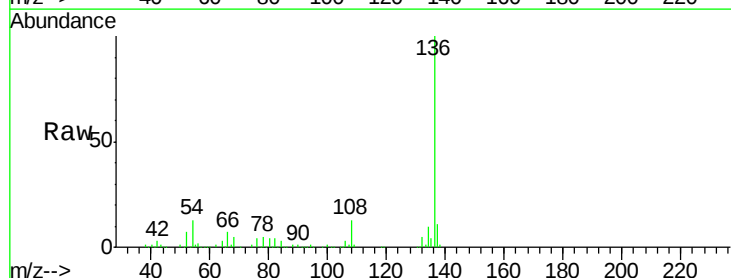
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 12.8 8.2 12.2#

68 5.3 5.8 8.6#

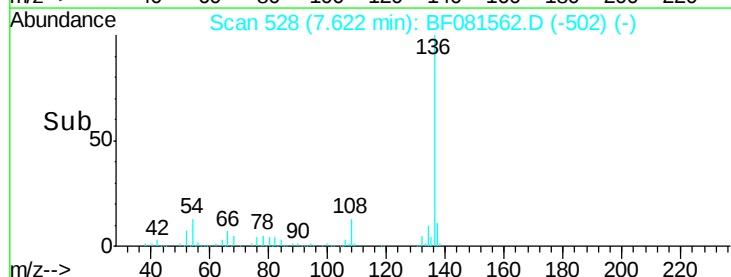
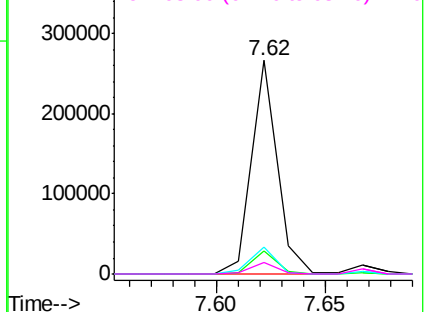


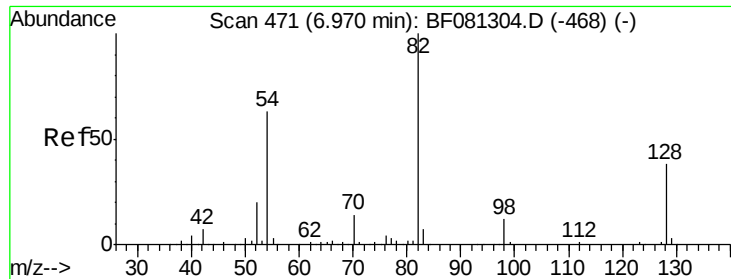
Abundance Ion 136.00 (135.70 to 136.70): E

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

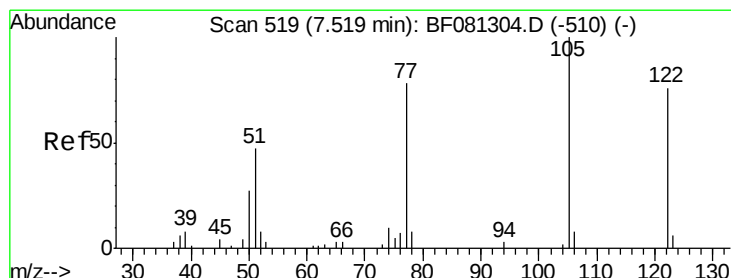
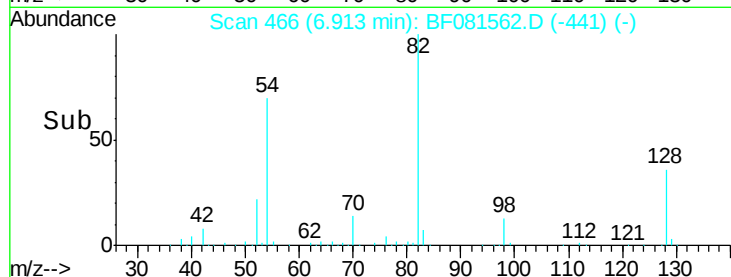
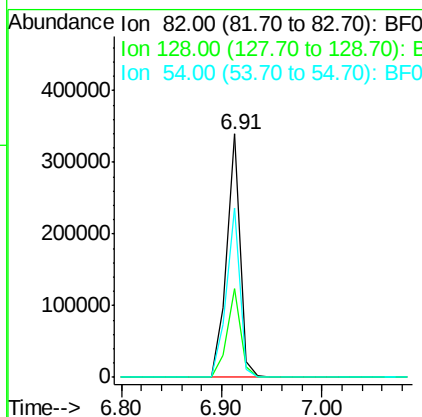
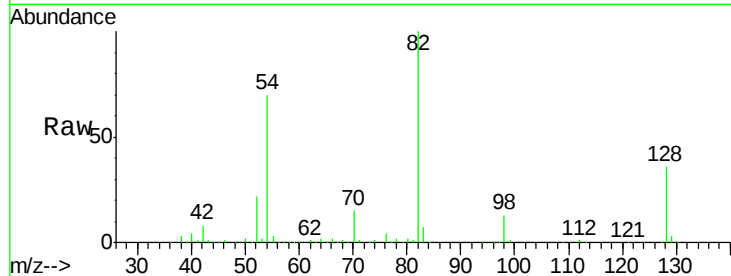




#23  
 Nitrobenzene-d5  
 Concen: 70.03 ng  
 RT: 6.91 min Scan# 466  
 Delta R.T. -0.01 min  
 Lab File: BF081562.D  
 Acq: 9 Sep 2015 20:13

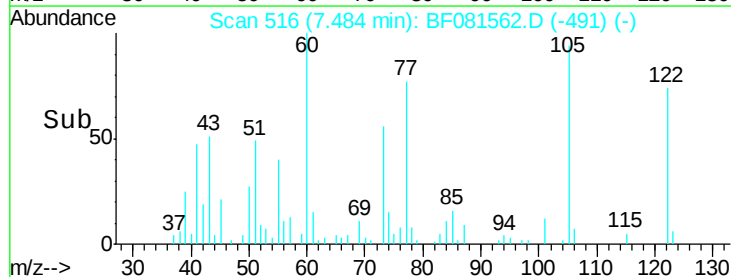
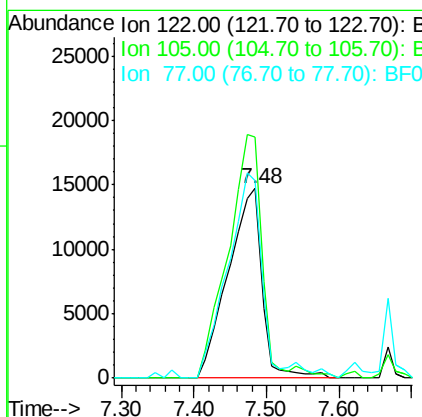
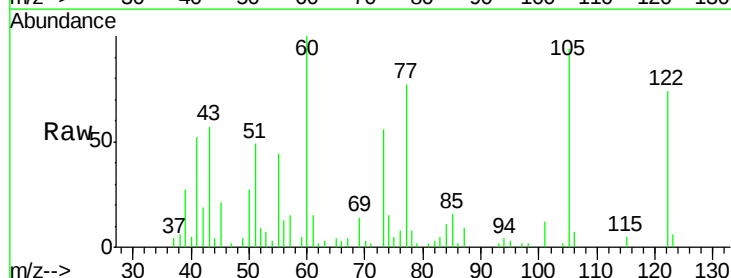
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-5

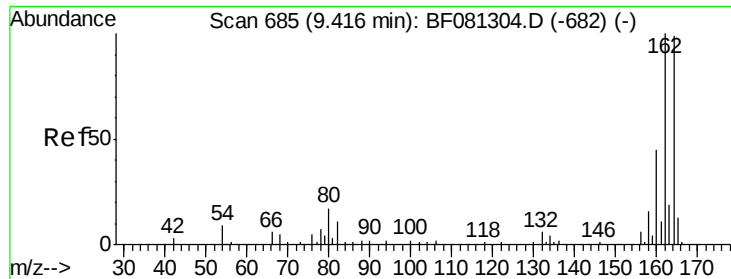
Tgt Ion: 82 Resp: 319431  
 Ion Ratio Lower Upper  
 82 100  
 128 36.4 51.0 76.6#  
 54 69.7 47.5 71.3



#32  
 Benzoic acid  
 Concen: 20.29 ng  
 RT: 7.48 min Scan# 516  
 Delta R.T. -0.01 min  
 Lab File: BF081562.D  
 Acq: 9 Sep 2015 20:13

Tgt Ion: 122 Resp: 47719  
 Ion Ratio Lower Upper  
 122 100  
 105 127.3 76.1 116.1#  
 77 104.0 40.5 80.5#

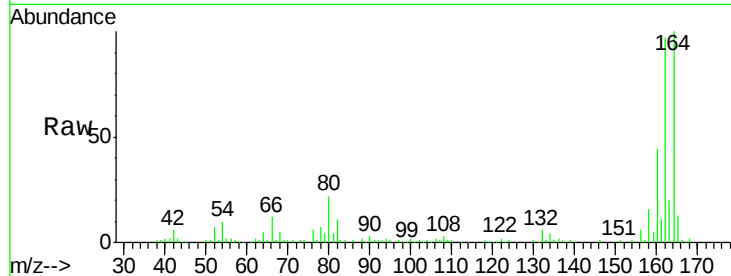




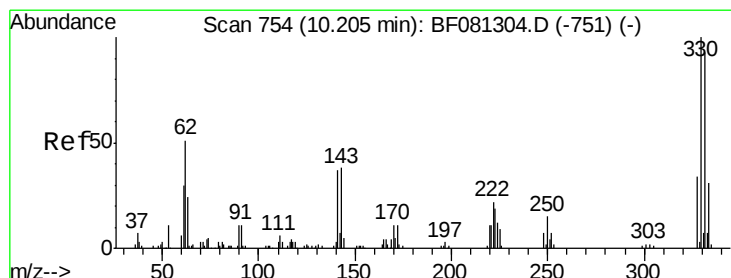
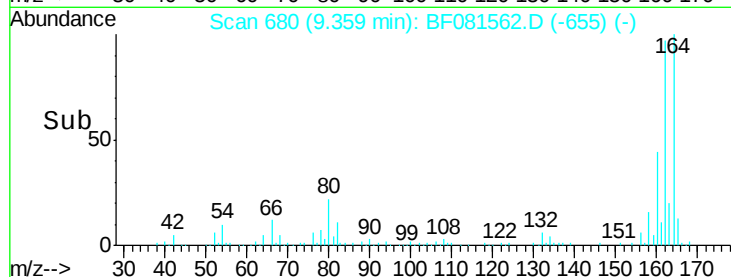
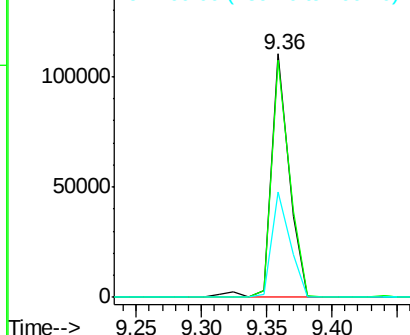
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.36 min Scan# 680  
Delta R.T. -0.01 min  
Lab File: BF081562.D  
Acq: 9 Sep 2015 20:13

Instrument :  
BNA\_F  
ClientSampled :  
TEC-5

Tgt Ion:164 Resp: 106268  
Ion Ratio Lower Upper  
164 100  
162 97.5 75.2 112.8  
160 43.5 31.5 47.3

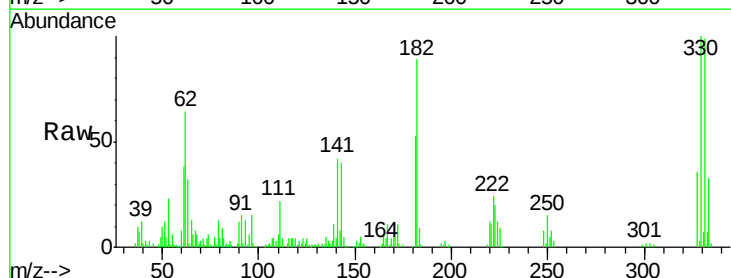


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

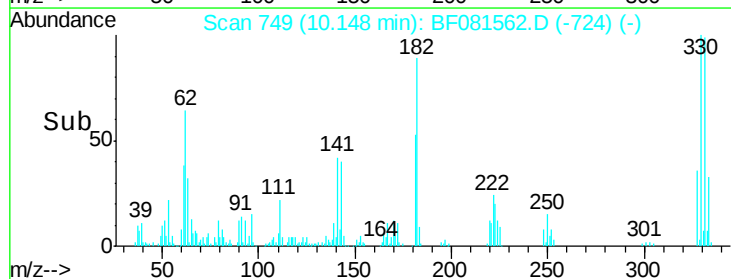
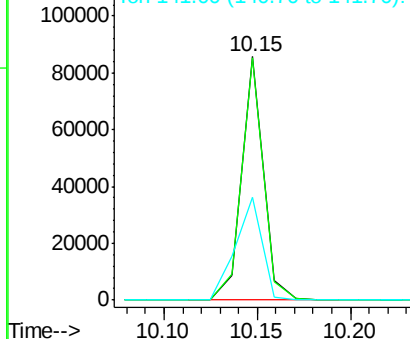


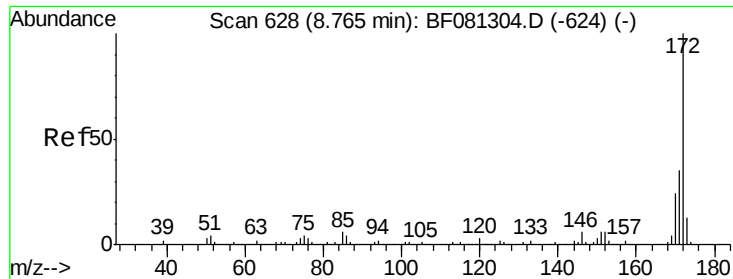
#41  
2,4,6-Tribromophenol  
Concen: 73.92 ng  
RT: 10.15 min Scan# 749  
Delta R.T. -0.01 min  
Lab File: BF081562.D  
Acq: 9 Sep 2015 20:13

Tgt Ion:330 Resp: 69940  
Ion Ratio Lower Upper  
330 100  
332 99.2 76.6 114.8  
141 51.8 29.7 44.5#



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

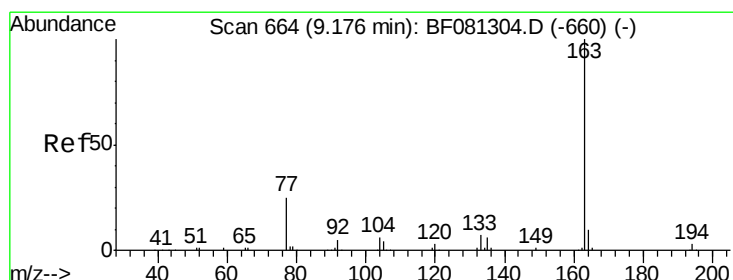
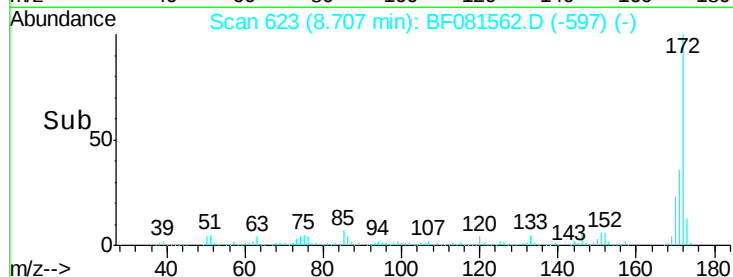
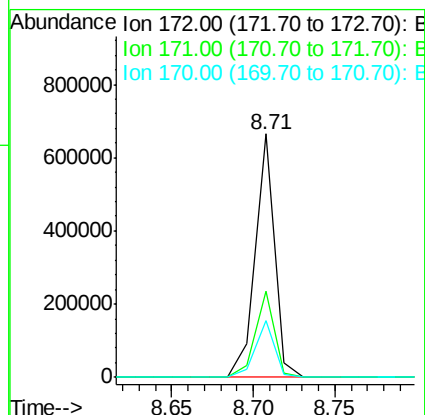
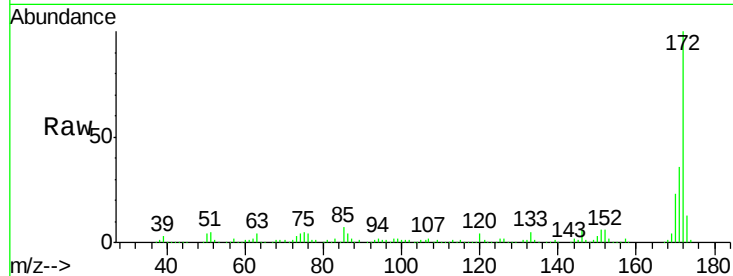




#44  
2-Fluorobiphenyl  
Concen: 66.50 ng  
RT: 8.71 min Scan# 623  
Delta R.T. -0.00 min  
Lab File: BF081562.D  
Acq: 9 Sep 2015 20:13

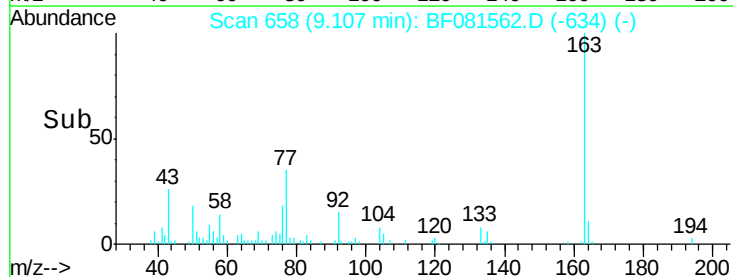
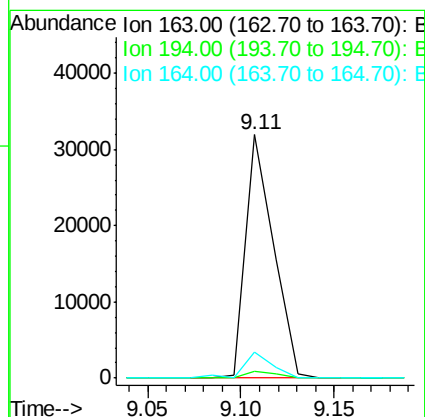
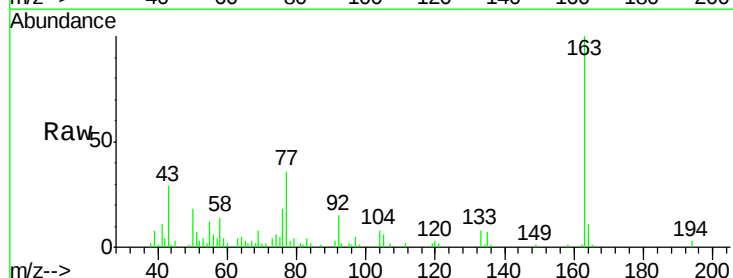
Instrument :  
BNA\_F  
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TEC-5

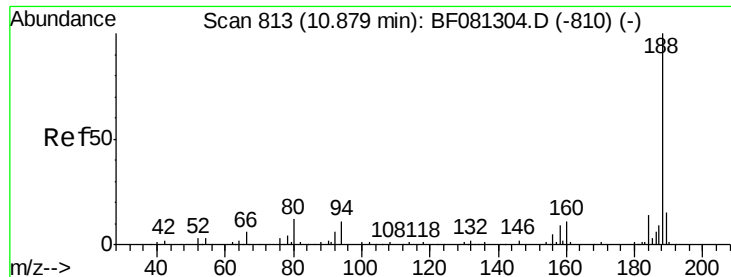
Tgt Ion:172 Resp: 551440  
Ion Ratio Lower Upper  
172 100  
171 35.5 26.1 39.1  
170 23.5 17.4 26.2



#49  
Dimethylphthalate  
Concen: 4.01 ng  
RT: 9.11 min Scan# 658  
Delta R.T. -0.02 min  
Lab File: BF081562.D  
Acq: 9 Sep 2015 20:13

Tgt Ion:163 Resp: 33106  
Ion Ratio Lower Upper  
163 100  
194 2.9 4.4 6.6#  
164 10.8 8.3 12.5

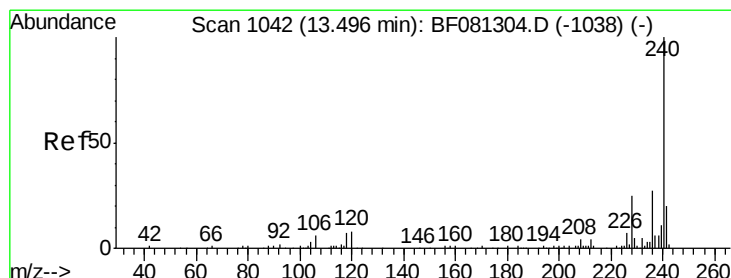
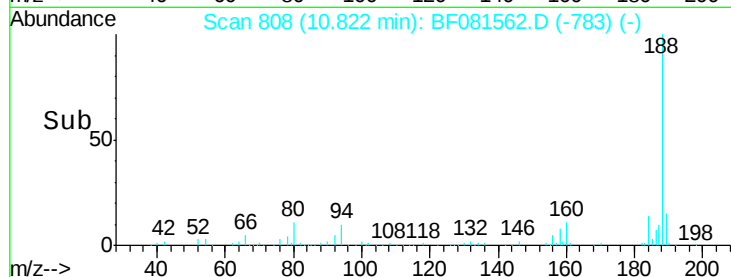
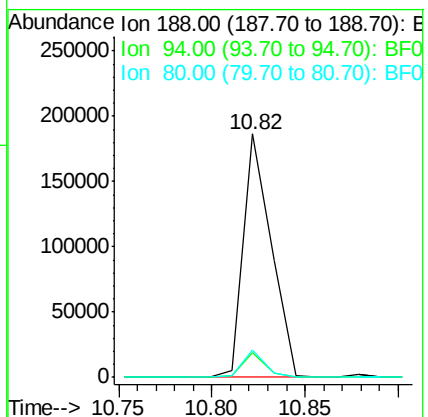
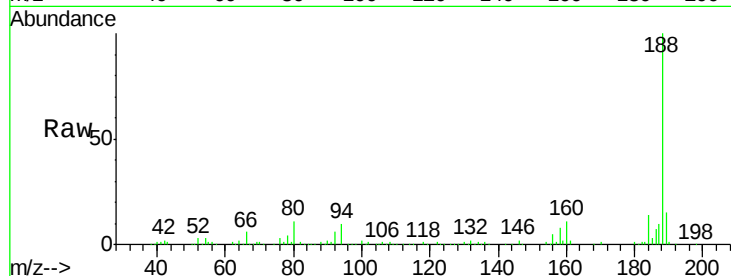




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 10.82 min Scan# 808  
Delta R.T. -0.01 min  
Lab File: BF081562.D  
Acq: 9 Sep 2015 20:13

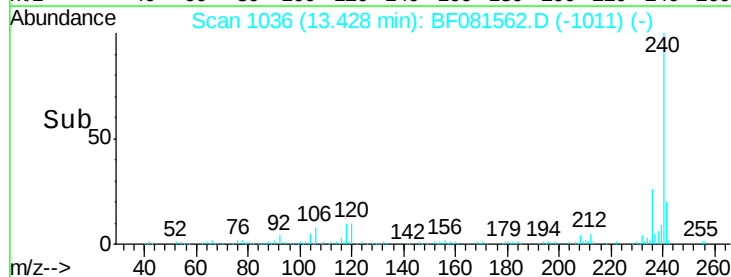
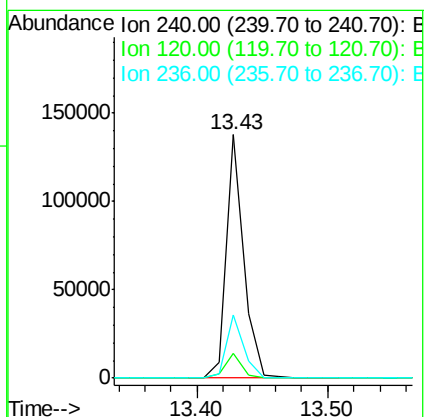
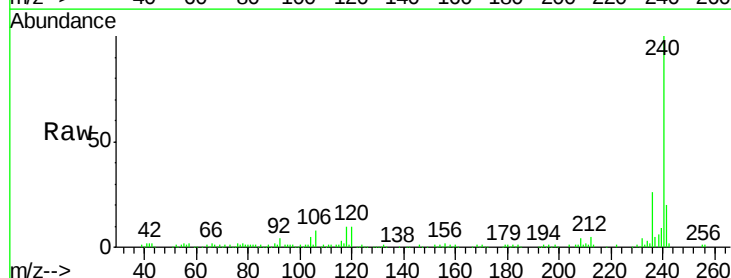
Instrument :  
BNA\_F  
ClientSampleId :  
TEC-5

Tgt Ion:188 Resp: 193563  
Ion Ratio Lower Upper  
188 100  
94 10.0 11.1 16.7#  
80 11.2 11.0 16.4



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.43 min Scan# 1036  
Delta R.T. -0.01 min  
Lab File: BF081562.D  
Acq: 9 Sep 2015 20:13

Tgt Ion:240 Resp: 128074  
Ion Ratio Lower Upper  
240 100  
120 10.3 16.2 24.2#  
236 25.8 18.4 27.6

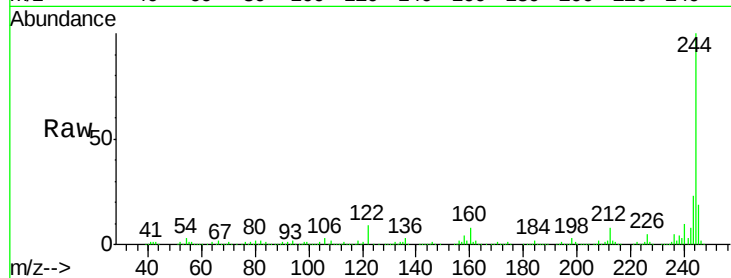




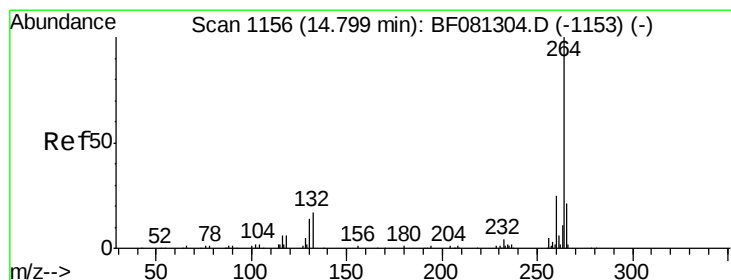
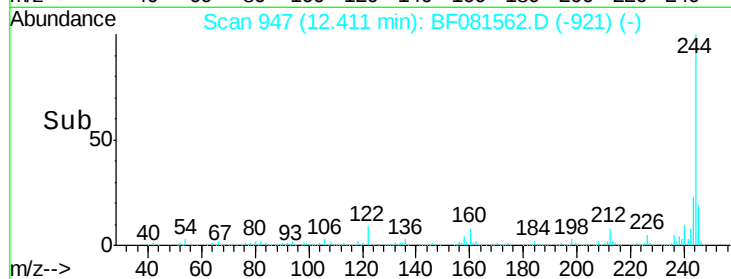
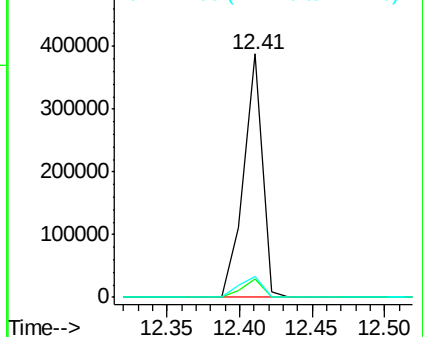
#78  
 Terphenyl-d14  
 Concen: 63.61 ng  
 RT: 12.41 min Scan# 947  
 Delta R.T. -0.00 min  
 Lab File: BF081562.D  
 Acq: 9 Sep 2015 20:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-5

Tgt Ion:244 Resp: 349945  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 4.3 6.5#  
 122 8.6 17.4 26.2#

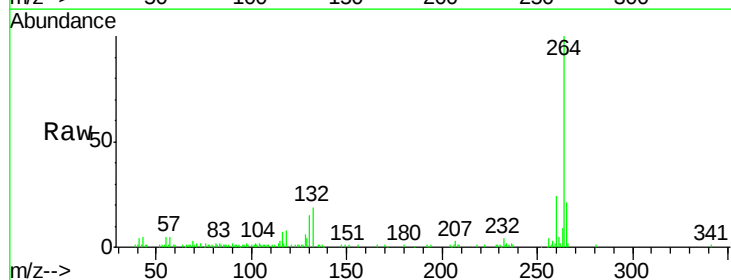


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 14.73 min Scan# 1150  
 Delta R.T. -0.01 min  
 Lab File: BF081562.D  
 Acq: 9 Sep 2015 20:13

Tgt Ion:264 Resp: 92638  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 16.7 25.1  
 265 20.9 17.2 25.8



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

