

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060116\  
 Data File : BF087636.D  
 Acq On : 2 Jun 2016 2:03  
 Operator : UM/SJ  
 Sample : H3349-12  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-22

Quant Time: Jun 02 03:52:03 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 02 02:13:57 2016  
 Response via : Initial Calibration

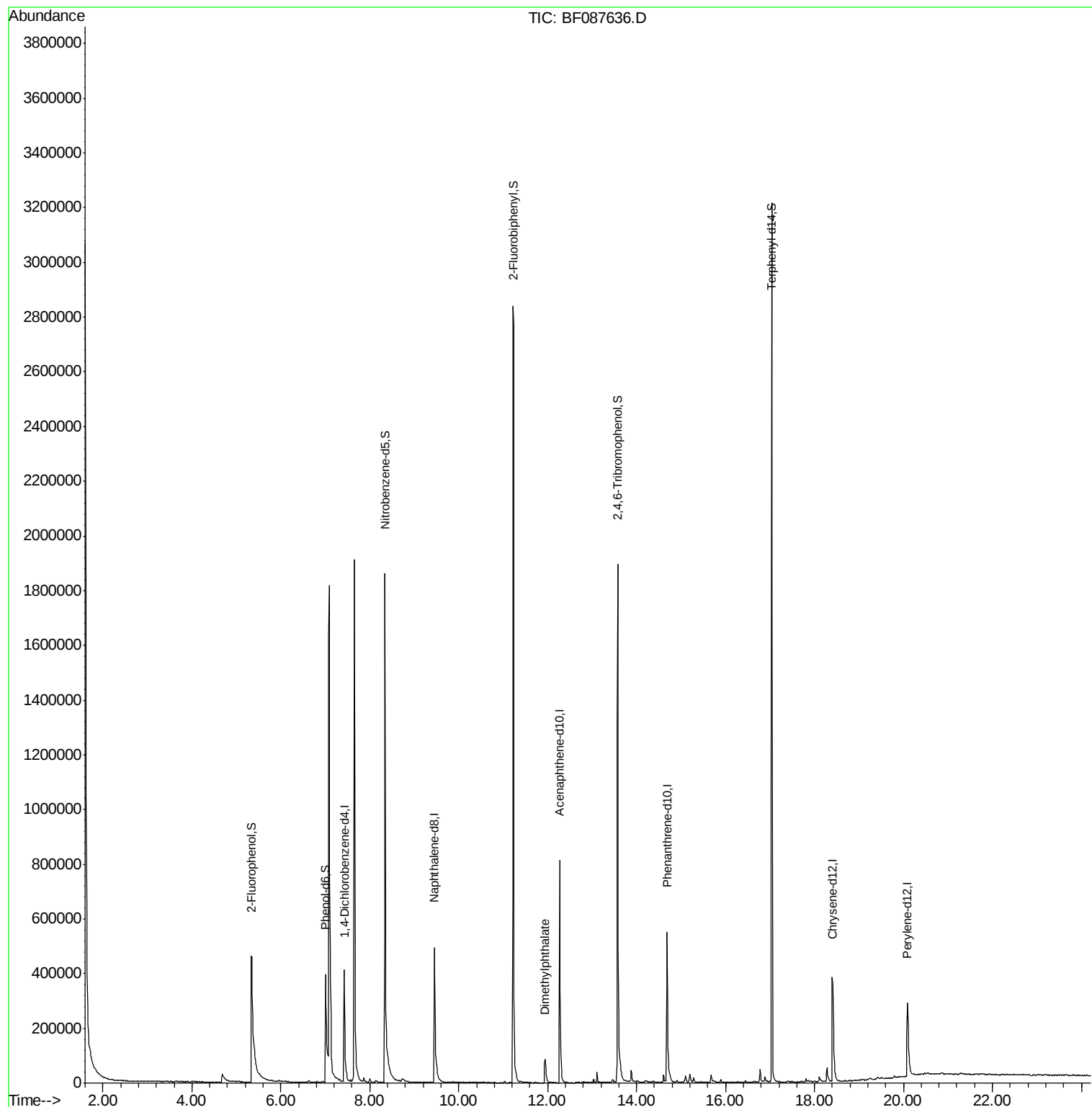
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.43  | 152  | 114808   | 20.00  | ng    | 0.01         |
| 21) Naphthalene-d8          | 9.45  | 136  | 468290   | 20.00  | ng    | -0.01        |
| 38) Acenaphthene-d10        | 12.27 | 164  | 216160   | 20.00  | ng    | -0.01        |
| 63) Phenanthrene-d10        | 14.69 | 188  | 403560   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 18.41 | 240  | 294094   | 20.00  | ng    | 0.01         |
| 86) Perylene-d12            | 20.09 | 264  | 216651   | 20.00  | ng    | 0.01         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.35  | 112  | 409434   | 62.66  | ng    | 0.03         |
| 7) Phenol-d6                | 7.00  | 99   | 349637   | 39.60  | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 8.34  | 82   | 895253   | 96.35  | ng    | -0.02        |
| 41) 2,4,6-Tribromophenol    | 13.58 | 330  | 321140   | 154.60 | ng    | -0.01        |
| 44) 2-Fluorobiphenyl        | 11.23 | 172  | 1490034  | 97.18  | ng    | 0.00         |
| 78) Terphenyl-d14           | 17.04 | 244  | 1342234  | 97.03  | ng    | -0.01        |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 11.94 | 163  | 82819    | 4.78   | ng    | Qvalue<br>98 |

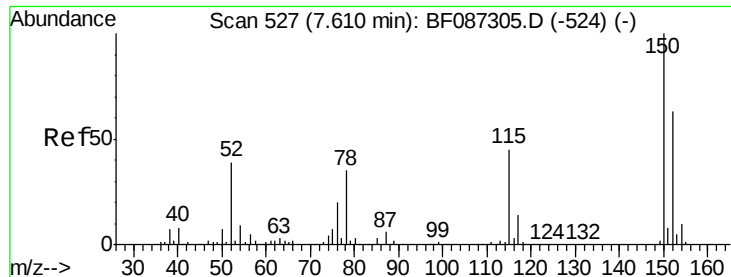
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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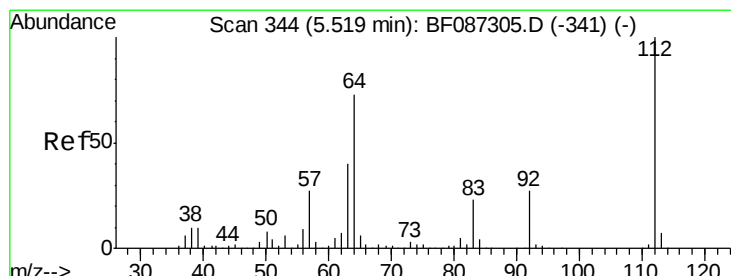
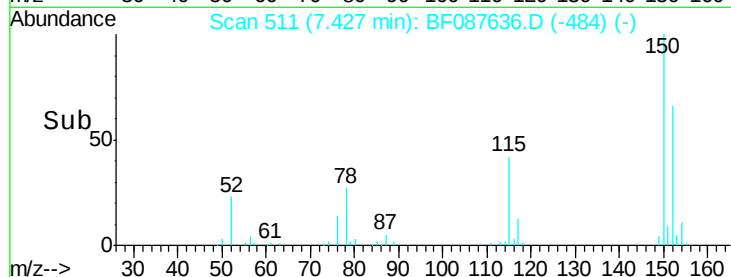
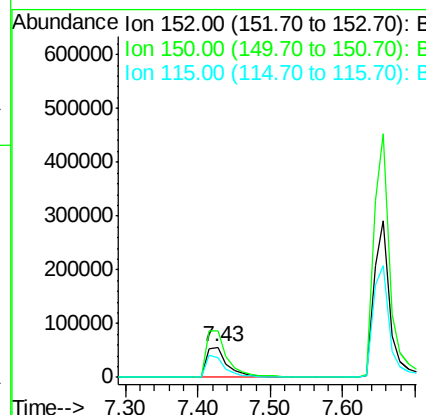
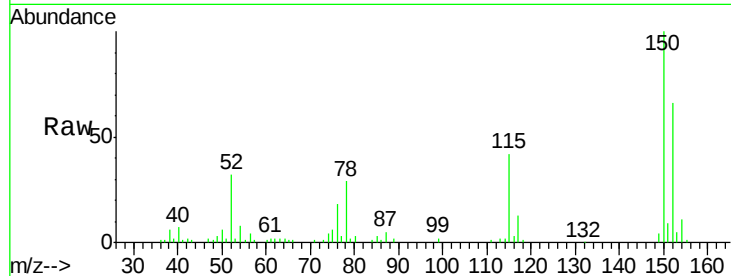




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.43 min Scan# 511  
 Delta R.T. 0.01 min  
 Lab File: BF087636.D  
 Acq: 2 Jun 2016 2:03

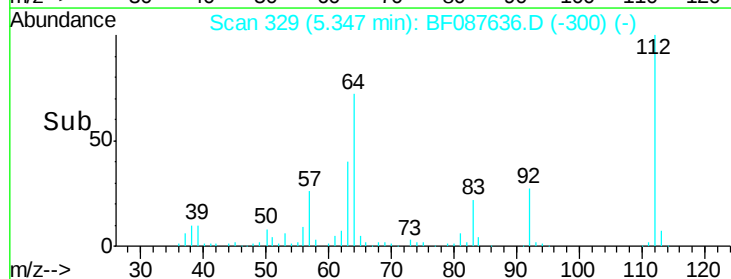
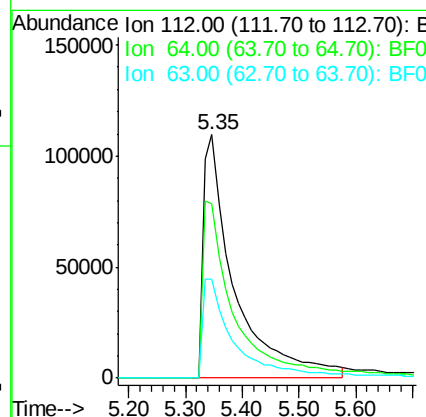
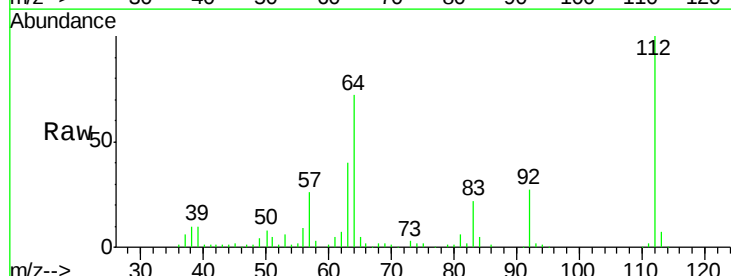
Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-22

Tot Ion:152 Resp: 114808  
 Ion Ratio Lower Upper  
 152 100  
 150 151.9 125.8 188.6  
 115 64.0 51.5 77.3



#5  
 2-Fluorophenol  
 Concen: 62.66 ng  
 RT: 5.35 min Scan# 329  
 Delta R.T. 0.03 min  
 Lab File: BF087636.D  
 Acq: 2 Jun 2016 2:03

Tgt Ion:112 Resp: 409434  
 Ion Ratio Lower Upper  
 112 100  
 64 71.6 52.1 78.1  
 63 40.4 25.7 38.5#





#7

Phenol-d6

Concen: 39.60 ng

RT: 7.00 min Scan# 474

Delta R.T. 0.00 min

Lab File: BF087636.D

Acq: 2 Jun 2016 2:03

Instrument :

BNA\_F

ClientSampleId :

W-22

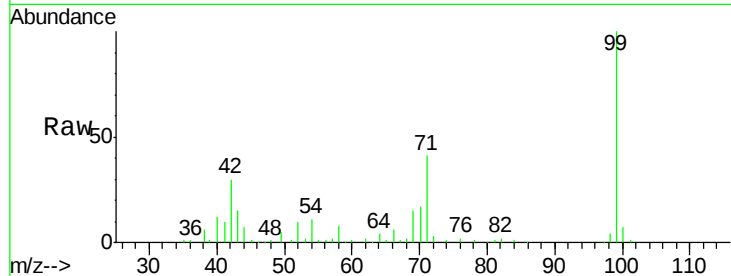
Tot Ion: 99 Resp: 349637

Ion Ratio Lower Upper

99 100

42 30.2 13.6 20.4#

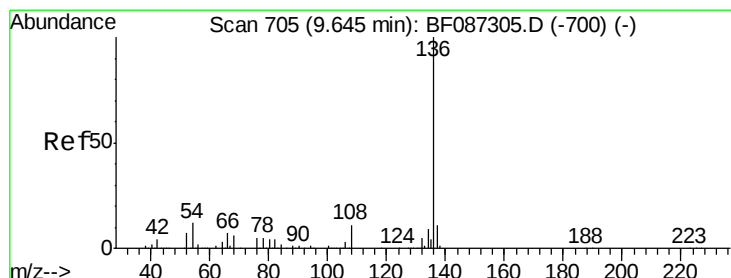
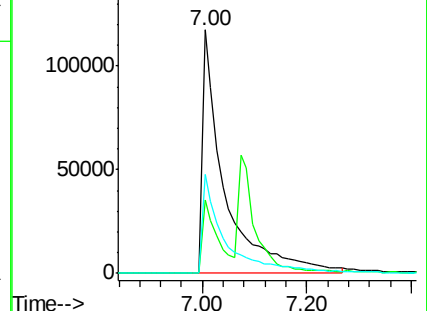
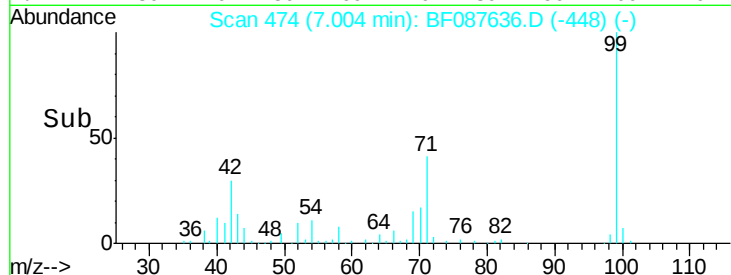
71 40.7 24.6 36.8#



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: 9.45 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF087636.D

Acq: 2 Jun 2016 2:03

Tgt Ion: 136 Resp: 468290

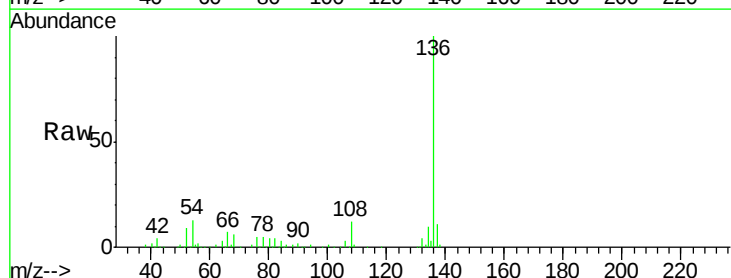
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 13.2 5.0 7.4#

68 6.0 4.4 6.6

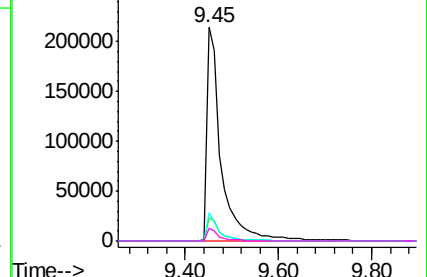
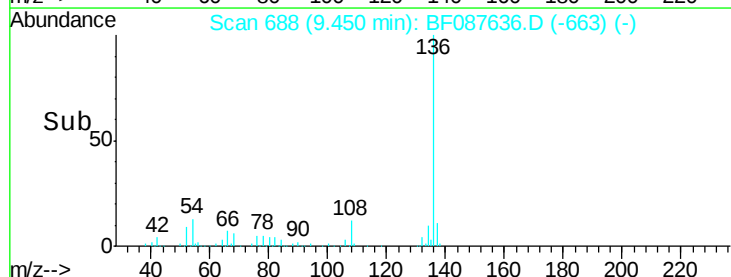


Abundance Ion 136.00 (135.70 to 136.70): E

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

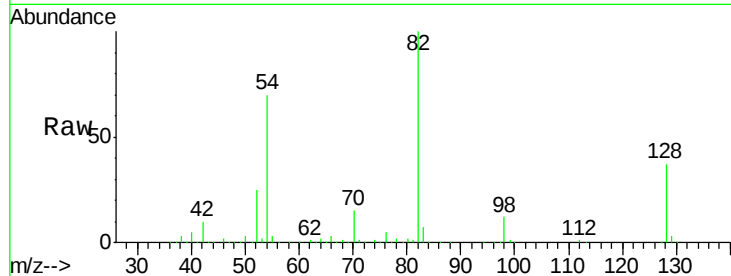




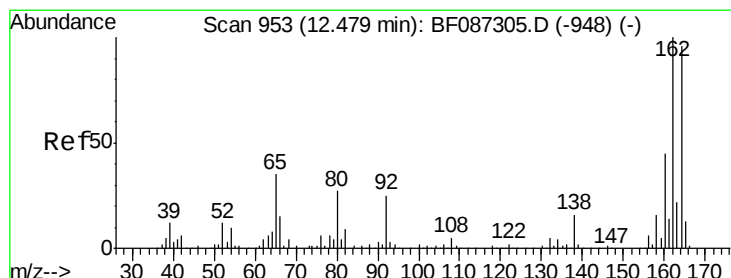
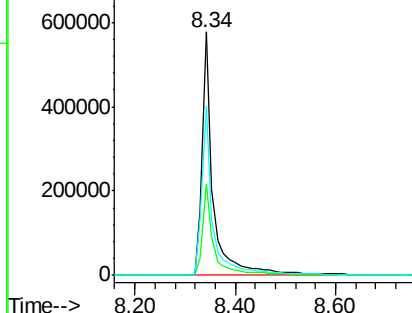
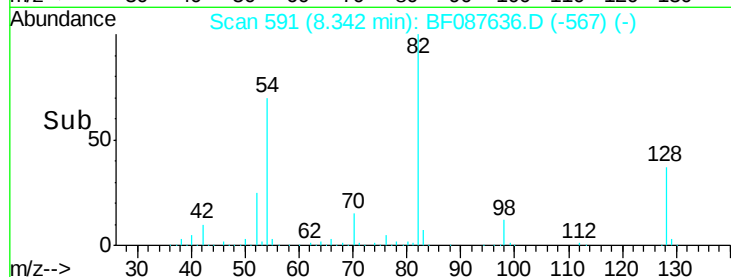
#23  
Nitrobenzene-d5  
Concen: 96.35 ng  
RT: 8.34 min Scan# 591  
Delta R.T. -0.02 min  
Lab File: BF087636.D  
Acq: 2 Jun 2016 2:03

Instrument :  
BNA\_F  
ClientSampleId :  
W-22

Tot Ion: 82 Resp: 895253  
Ion Ratio Lower Upper  
82 100  
128 37.4 40.6 61.0#  
54 69.6 38.1 57.1#

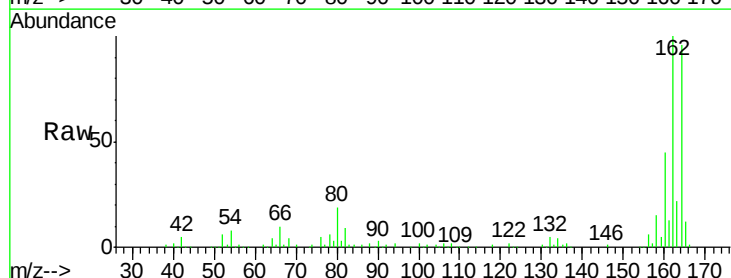


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): BF0  
Ion 54.00 (53.70 to 54.70): BF0

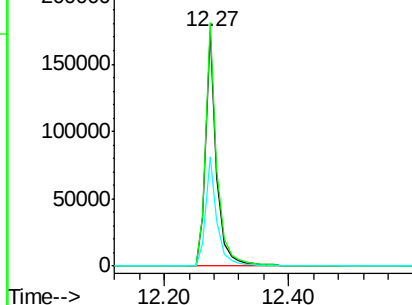
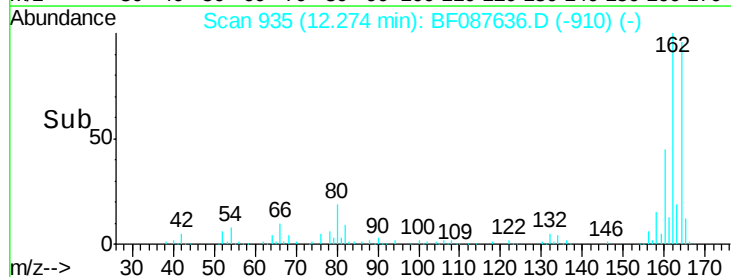


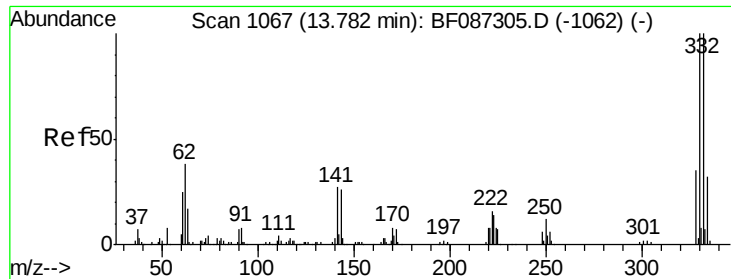
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 12.27 min Scan# 935  
Delta R.T. -0.01 min  
Lab File: BF087636.D  
Acq: 2 Jun 2016 2:03

Tgt Ion:164 Resp: 216160  
Ion Ratio Lower Upper  
164 100  
162 103.9 82.8 124.2  
160 46.8 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

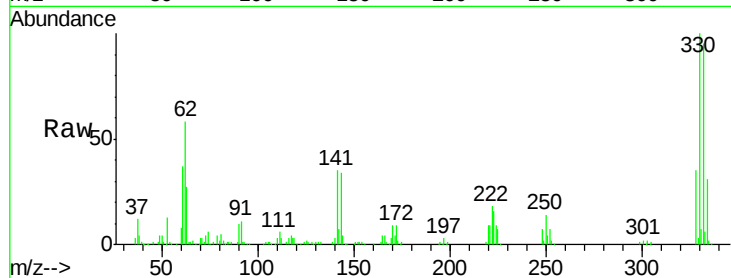




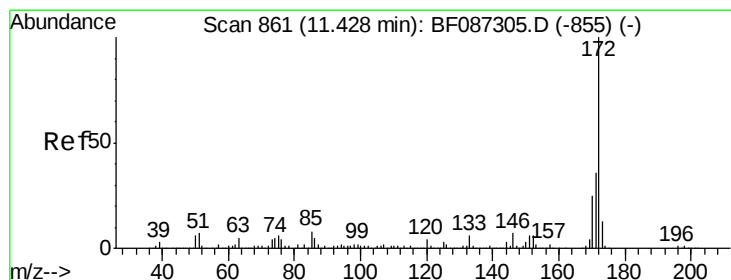
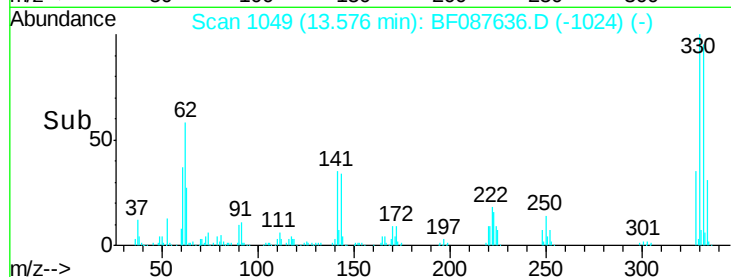
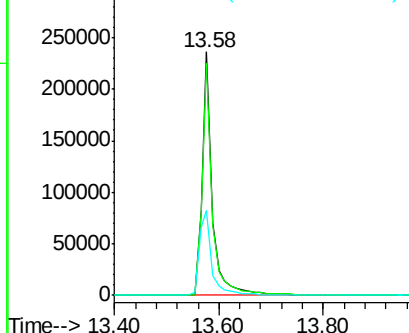
#41  
 2,4,6-Tribromophenol  
 Concen: 154.60 ng  
 RT: 13.58 min Scan# 1049  
 Delta R.T. -0.01 min  
 Lab File: BF087636.D  
 Acq: 2 Jun 2016 2:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-22

Tot Ion:330 Resp: 321140  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 79.0 118.4  
 141 43.0 31.2 46.8

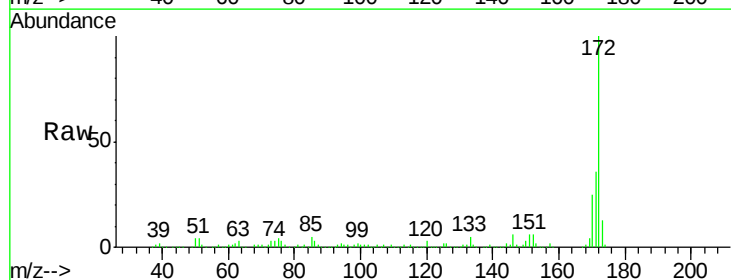


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

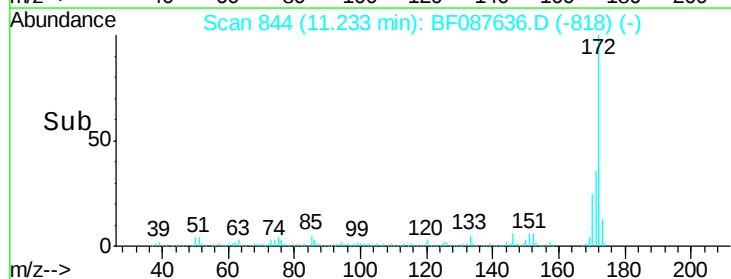
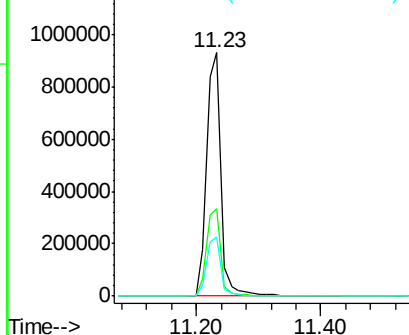


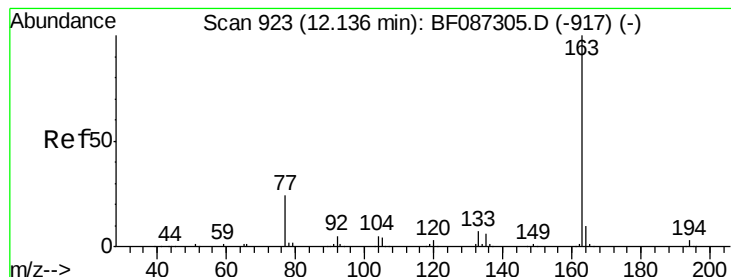
#44  
 2-Fluorobiphenyl  
 Concen: 97.18 ng  
 RT: 11.23 min Scan# 844  
 Delta R.T. 0.00 min  
 Lab File: BF087636.D  
 Acq: 2 Jun 2016 2:03

Tgt Ion:172 Resp: 1490034  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.0 43.6  
 170 24.5 19.8 29.8



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





#49

Dimethylphthalate

Concen: 4.78 ng

RT: 11.94 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF087636.D

Acq: 2 Jun 2016 2:03

Instrument :

BNA\_F

ClientSampleId :

W-22

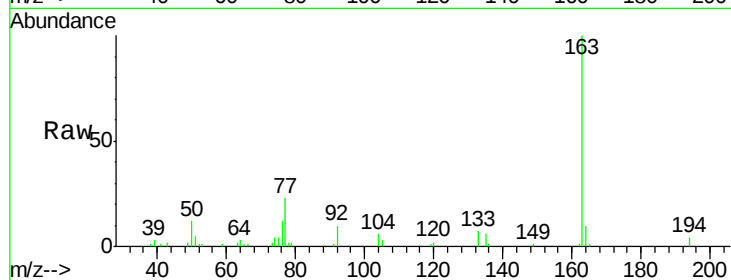
Tot Ion:163 Resp: 82819

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

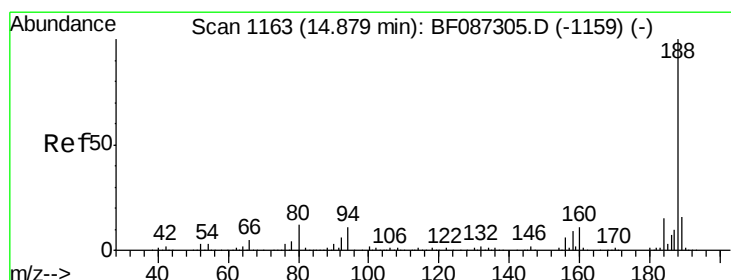
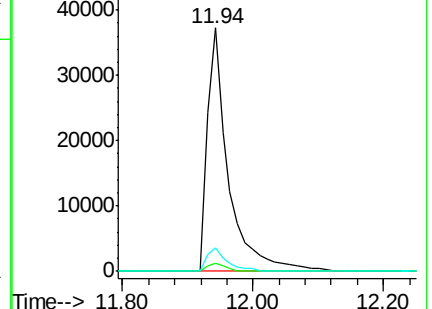
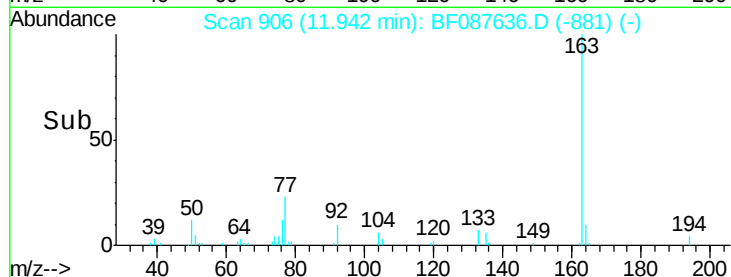
164 9.5 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.69 min Scan# 1146

Delta R.T. 0.00 min

Lab File: BF087636.D

Acq: 2 Jun 2016 2:03

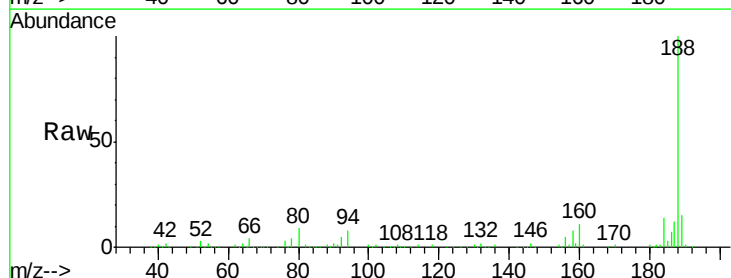
Tgt Ion:188 Resp: 403560

Ion Ratio Lower Upper

188 100

94 8.3 6.8 10.2

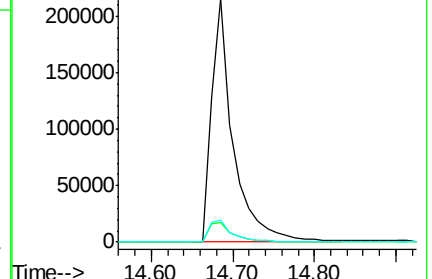
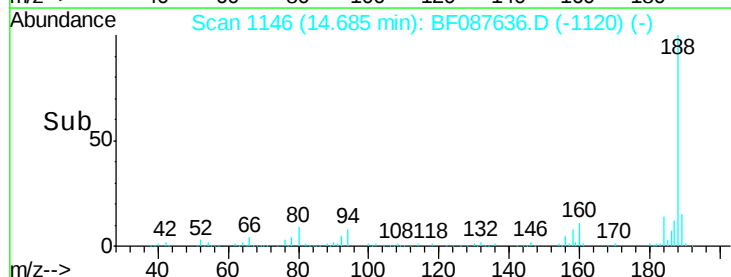
80 8.9 7.1 10.7



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: 18.41 min Scan# 1472

Delta R.T. 0.01 min

Lab File: BF087636.D

Acq: 2 Jun 2016 2:03

Instrument :

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ClientSampleId :

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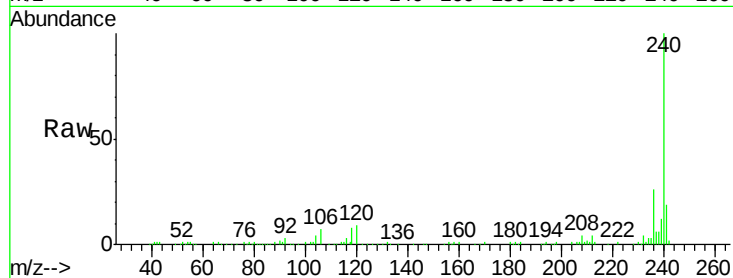
Tot Ion:240 Resp: 294094

Ion Ratio Lower Upper

240 100

120 9.3 11.2 16.8#

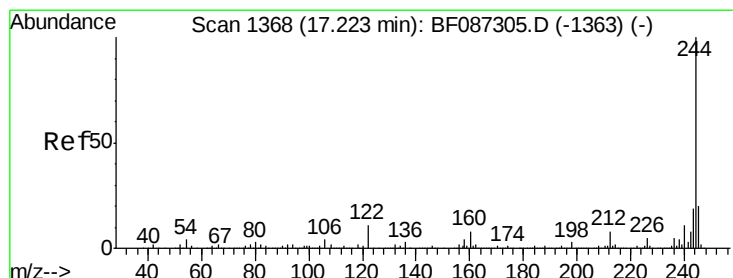
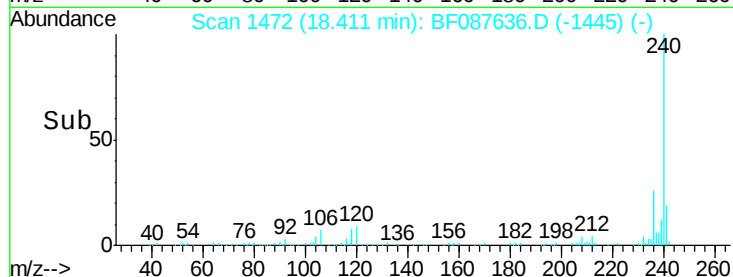
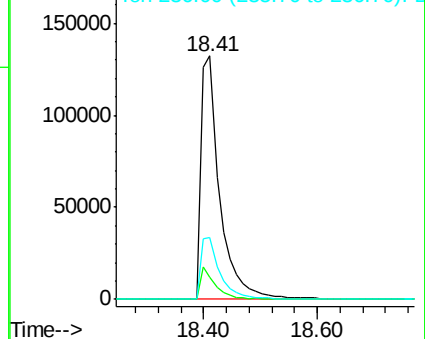
236 25.6 21.2 31.8



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: 97.03 ng

RT: 17.04 min Scan# 1352

Delta R.T. -0.01 min

Lab File: BF087636.D

Acq: 2 Jun 2016 2:03

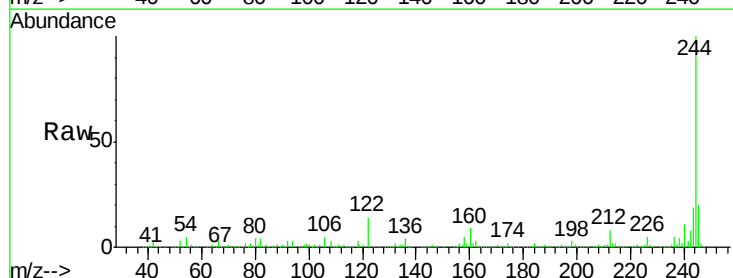
Tgt Ion:244 Resp: 1342234

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

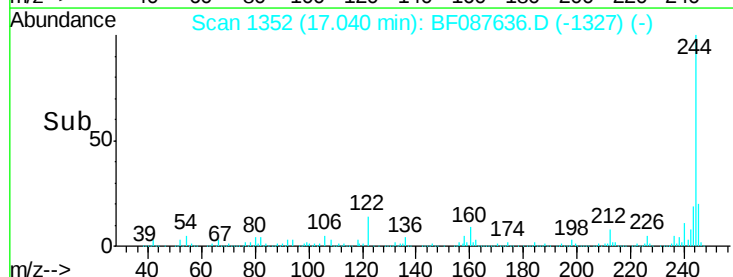
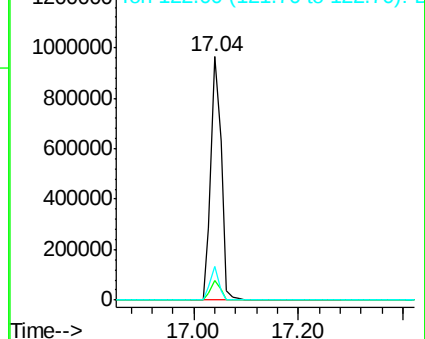
122 13.9 12.0 18.0

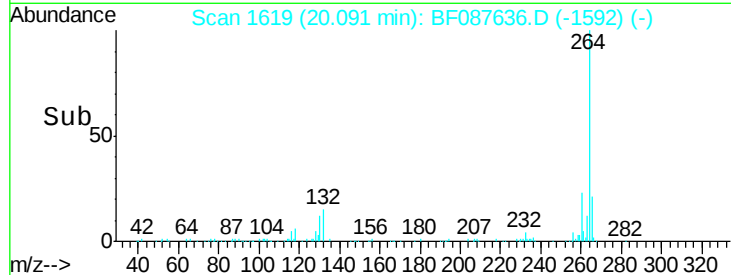
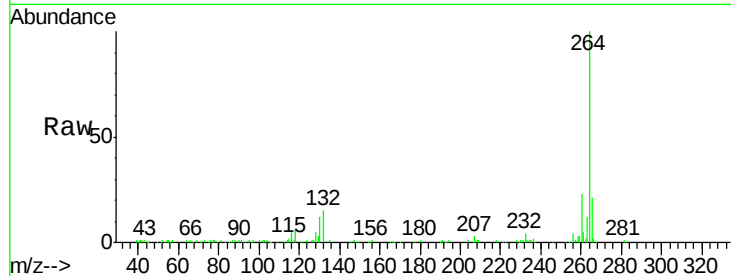
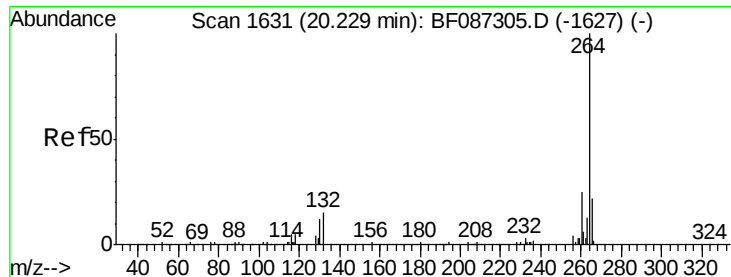


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 20.09 min Scan# 1619  
Delta R.T. 0.01 min  
Lab File: BF087636.D  
Acq: 2 Jun 2016 2:03

Instrument :  
BNA\_F  
ClientSampleId :  
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|             |       |           |
|-------------|-------|-----------|
| Tot Ion:264 | Resp: | 216651    |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 23.1  | 19.5 29.3 |
| 265         | 20.8  | 17.3 25.9 |

