

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF033016\  
 Data File : BF085900.D  
 Acq On : 30 Mar 2016 21:46  
 Operator : UM/SJ  
 Sample : H2023-06  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-6

Quant Time: Mar 31 04:32:30 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 30 12:31:18 2016  
 Response via : Initial Calibration

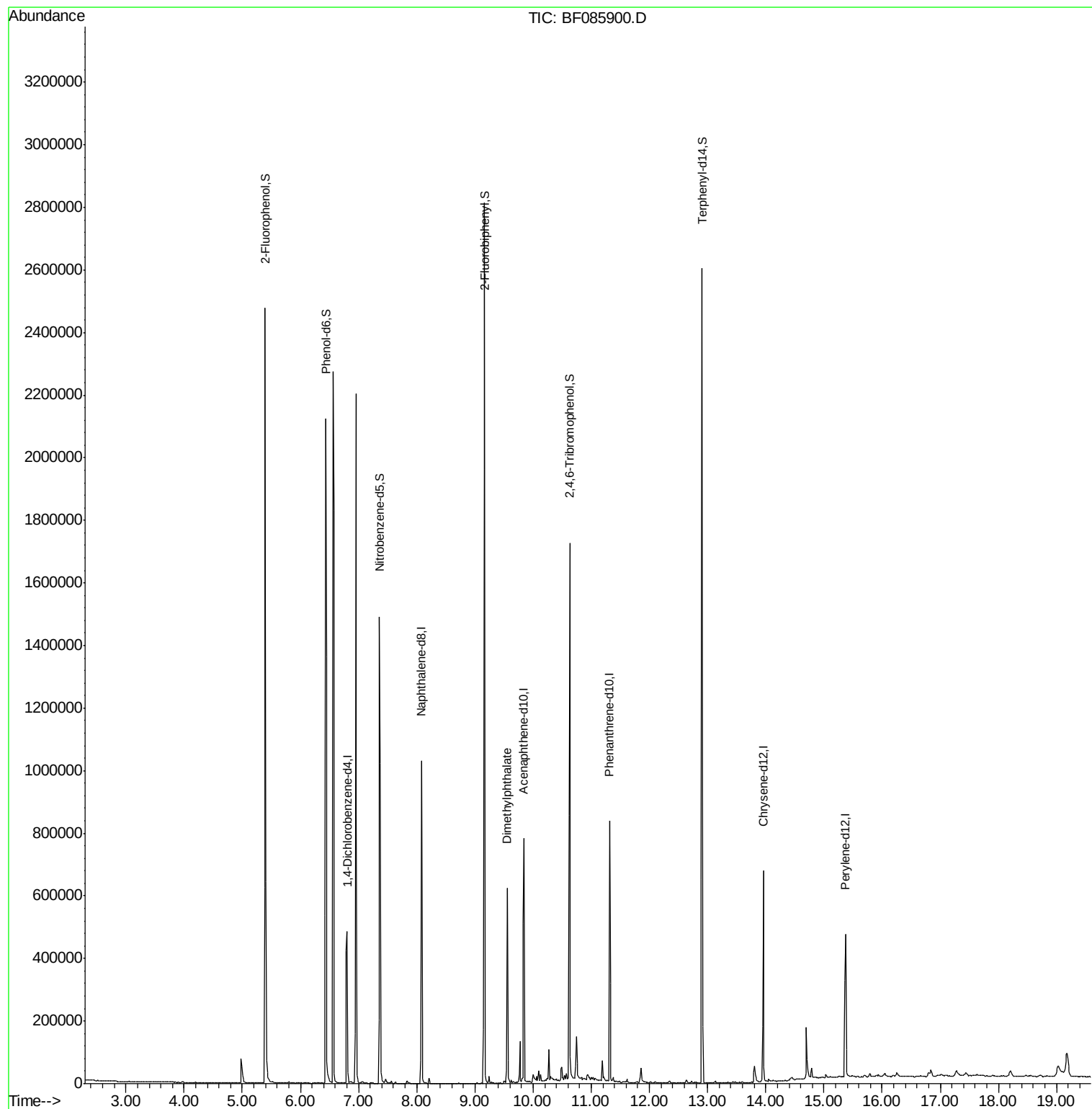
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.80  | 152  | 108172   | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 8.08  | 136  | 450793   | 20.00  | ng    | -0.01        |
| 38) Acenaphthene-d10        | 9.84  | 164  | 192765   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 11.32 | 188  | 322778   | 20.00  | ng    | -0.01        |
| 75) Chrysene-d12            | 13.96 | 240  | 225411   | 20.00  | ng    | -0.01        |
| 86) Perylene-d12            | 15.37 | 264  | 226067   | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.40  | 112  | 828114   | 127.50 | ng    | 0.00         |
| 7) Phenol-d6                | 6.44  | 99   | 1135108  | 137.45 | ng    | -0.01        |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 685799   | 85.67  | ng    | -0.01        |
| 41) 2,4,6-Tribromophenol    | 10.63 | 330  | 245289   | 133.93 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 9.17  | 172  | 1187097  | 102.89 | ng    | 0.00         |
| 78) Terphenyl-d14           | 12.91 | 244  | 774936   | 70.70  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 9.56  | 163  | 223041   | 15.25  | ng    | Qvalue<br>99 |

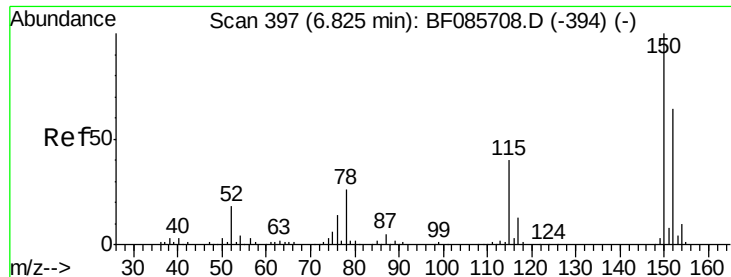
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 395

Delta R.T. -0.00 min

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ClientSampleId :

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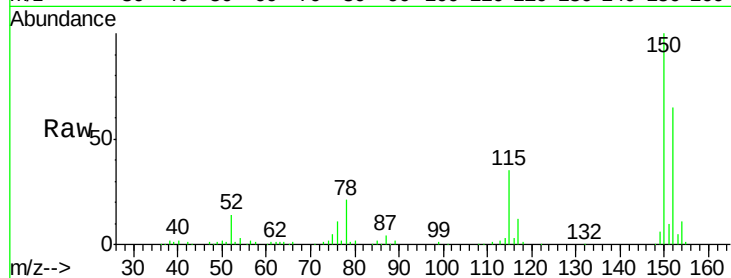
Tgt Ion:152 Resp: 108172

Ion Ratio Lower Upper

152 100

150 154.0 124.2 186.2

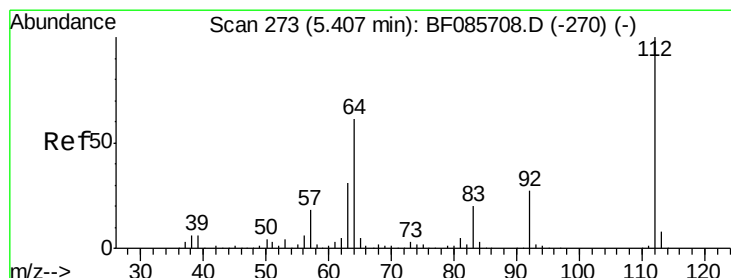
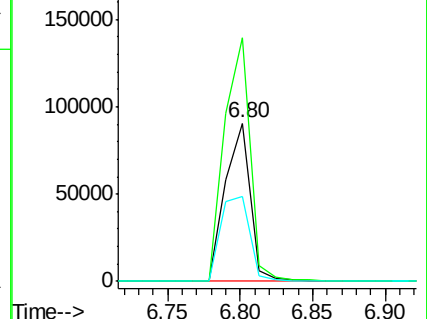
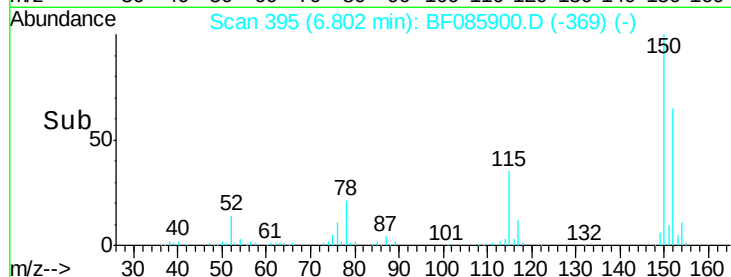
115 53.9 47.0 70.6



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: 127.50 ng

RT: 5.40 min Scan# 272

Delta R.T. -0.00 min

Lab File: BF085900.D

Acq: 30 Mar 2016 21:46

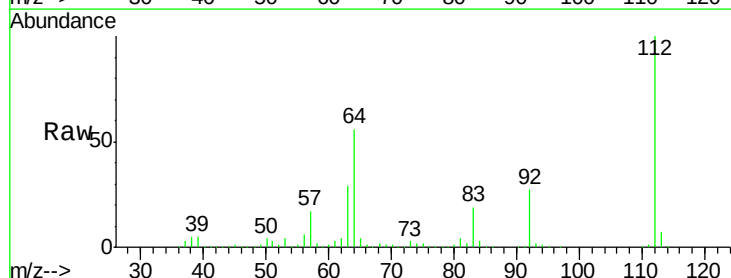
Tgt Ion:112 Resp: 828114

Ion Ratio Lower Upper

112 100

64 56.0 39.9 59.9

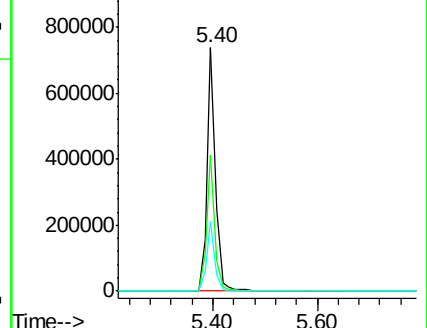
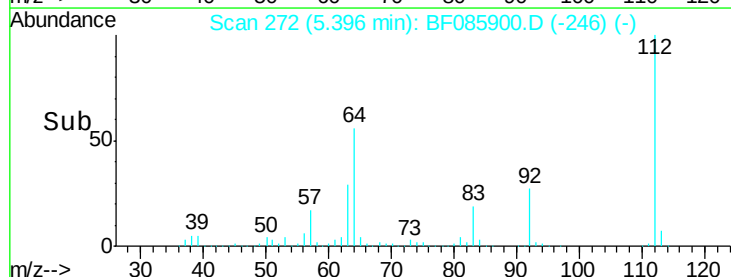
63 28.7 20.2 30.2

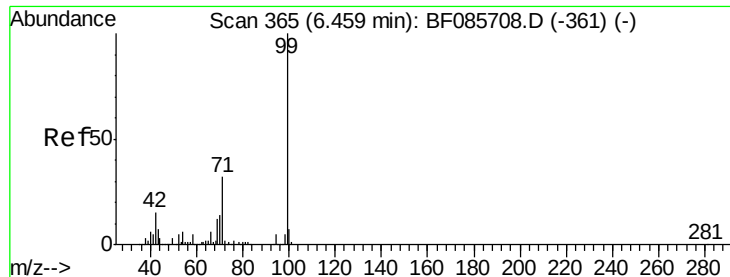


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 137.45 ng

RT: 6.44 min Scan# 363

Delta R.T. -0.01 min

Lab File: BF085900.D

Acq: 30 Mar 2016 21:46

Instrument :

BNA\_F

ClientSampled :

B-6

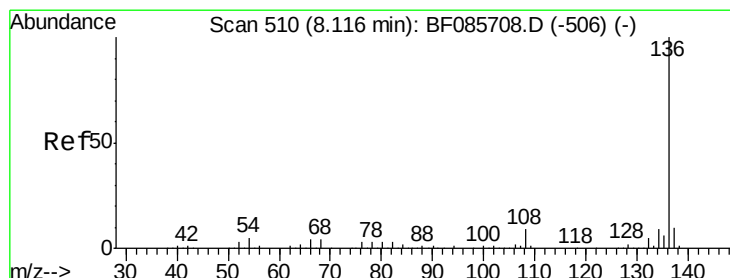
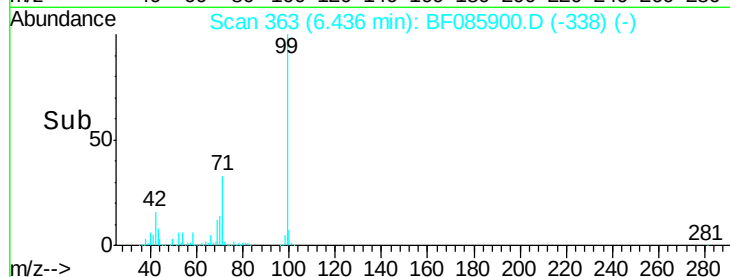
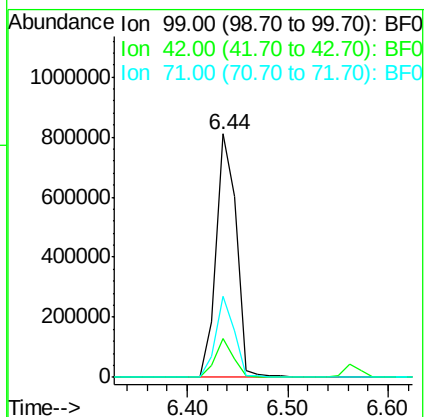
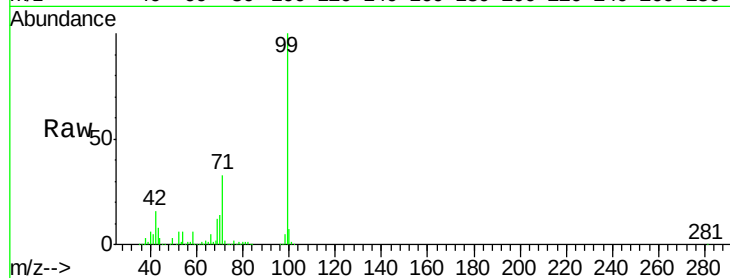
Tgt Ion: 99 Resp: 1135108

Ion Ratio Lower Upper

99 100

42 15.8 11.1 16.7

71 33.5 24.9 37.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 507

Delta R.T. -0.01 min

Lab File: BF085900.D

Acq: 30 Mar 2016 21:46

Tgt Ion: 136 Resp: 450793

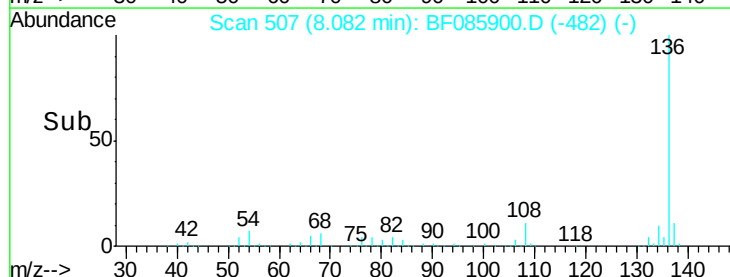
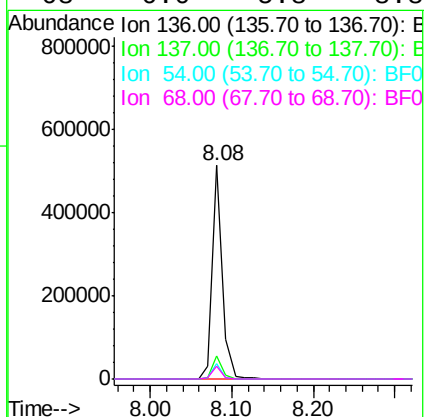
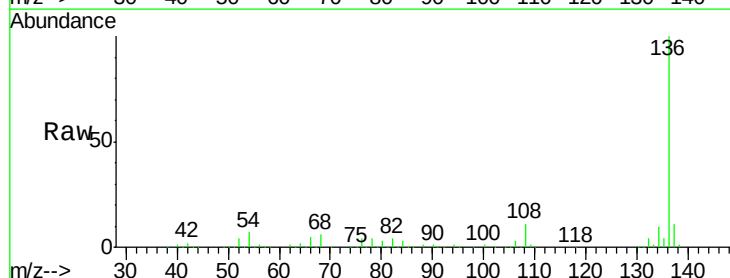
Ion Ratio Lower Upper

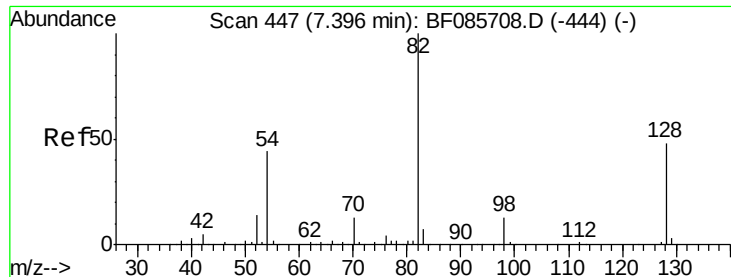
136 100

137 10.7 9.1 13.7

54 7.5 7.4 11.0

68 6.0 5.8 8.8

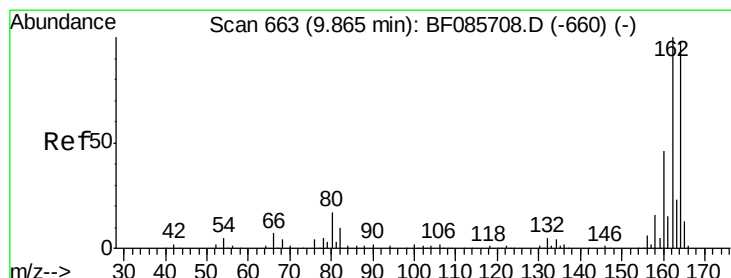
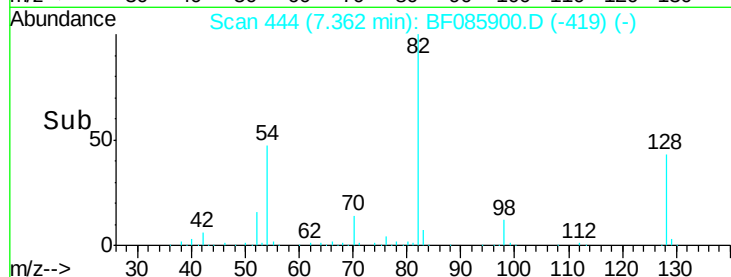
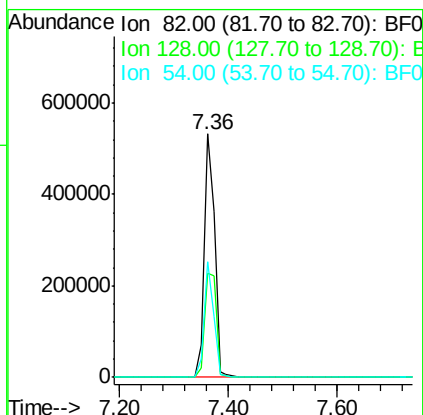
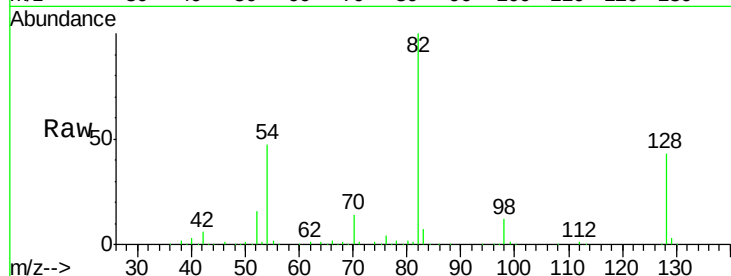




#23  
 Nitrobenzene-d5  
 Concen: 85.67 ng  
 RT: 7.36 min Scan# 444  
 Delta R.T. -0.01 min  
 Lab File: BF085900.D  
 Acq: 30 Mar 2016 21:46

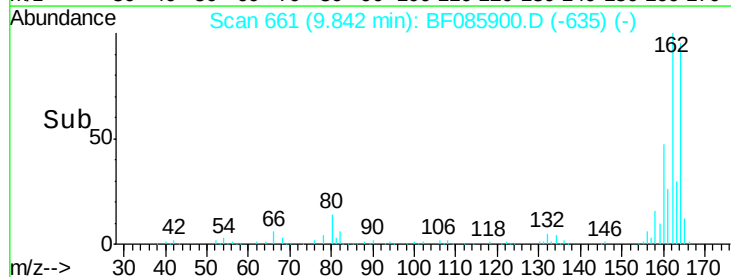
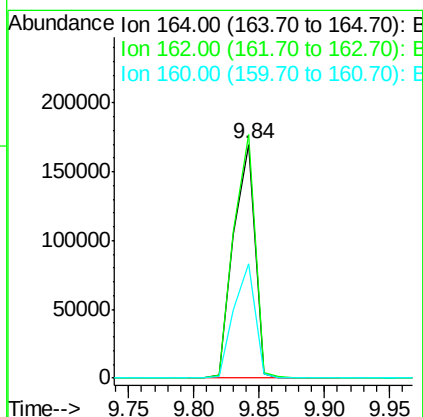
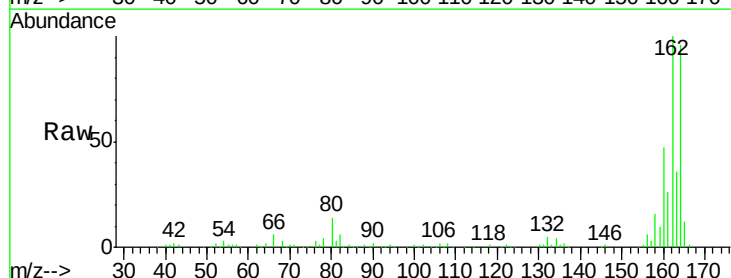
Instrument :  
 BNA\_F  
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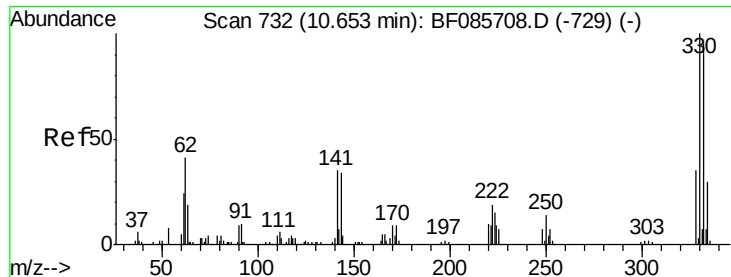
Tgt Ion: 82 Resp: 685799  
 Ion Ratio Lower Upper  
 82 100  
 128 42.6 41.8 62.8  
 54 47.4 33.4 50.0



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.84 min Scan# 661  
 Delta R.T. -0.00 min  
 Lab File: BF085900.D  
 Acq: 30 Mar 2016 21:46

Tgt Ion: 164 Resp: 192765  
 Ion Ratio Lower Upper  
 164 100  
 162 104.2 82.1 123.1  
 160 48.9 37.4 56.2

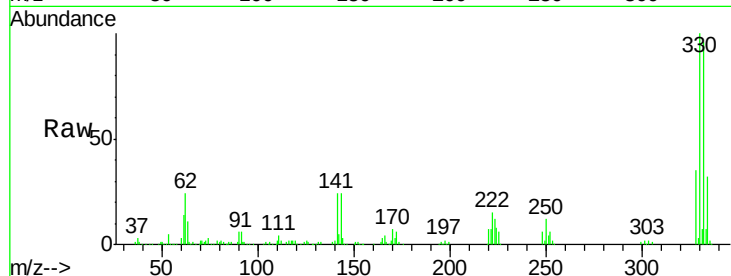




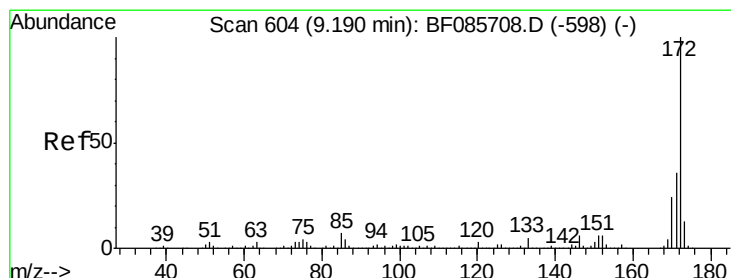
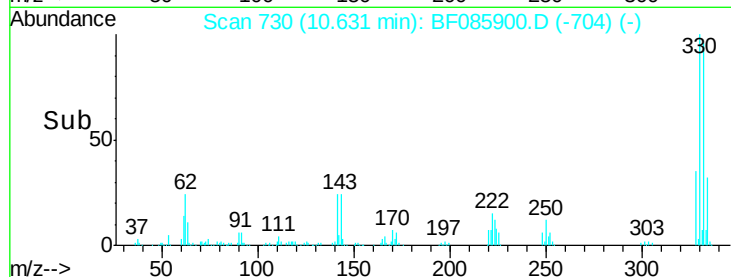
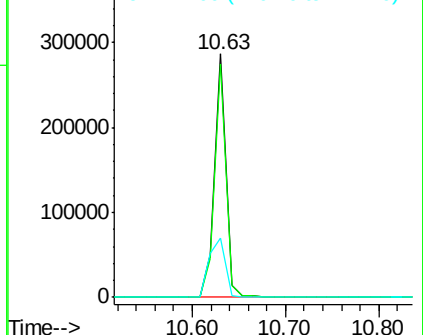
#41  
 2,4,6-Tribromophenol  
 Concen: 133.93 ng  
 RT: 10.63 min Scan# 730  
 Delta R.T. -0.00 min  
 Lab File: BF085900.D  
 Acq: 30 Mar 2016 21:46

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-6

Tgt Ion:330 Resp: 245289  
 Ion Ratio Lower Upper  
 330 100  
 332 95.6 78.2 117.2  
 141 36.0 31.5 47.3

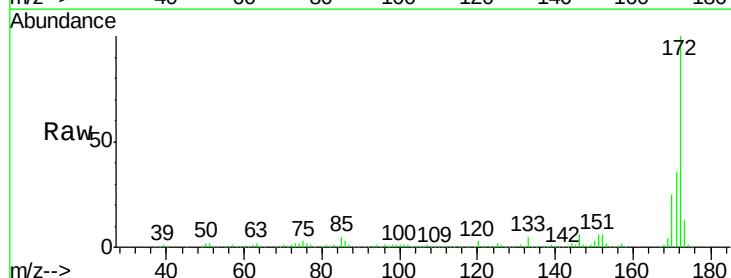


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

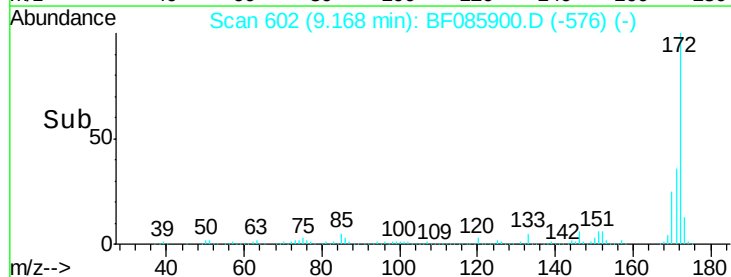
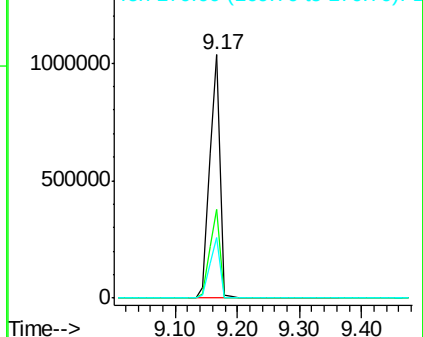


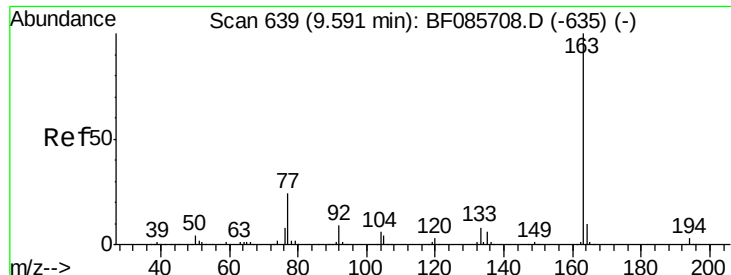
#44  
 2-Fluorobiphenyl  
 Concen: 102.89 ng  
 RT: 9.17 min Scan# 602  
 Delta R.T. -0.00 min  
 Lab File: BF085900.D  
 Acq: 30 Mar 2016 21:46

Tgt Ion:172 Resp: 1187097  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 29.4 44.2  
 170 24.6 19.8 29.6



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: 15.25 ng

RT: 9.56 min Scan# 636

Delta R.T. -0.01 min

Lab File: BF085900.D

Acq: 30 Mar 2016 21:46

Instrument :

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ClientSampleId :

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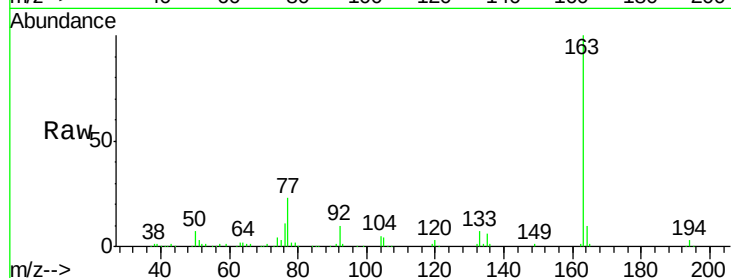
Tgt Ion:163 Resp: 223041

Ion Ratio Lower Upper

163 100

194 3.3 2.9 4.3

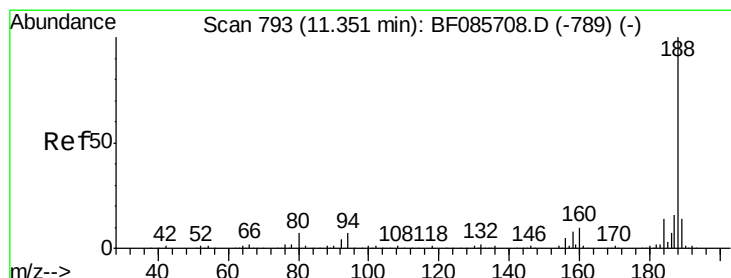
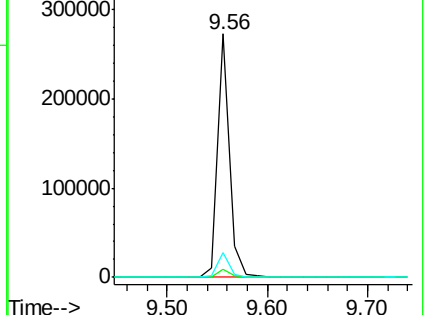
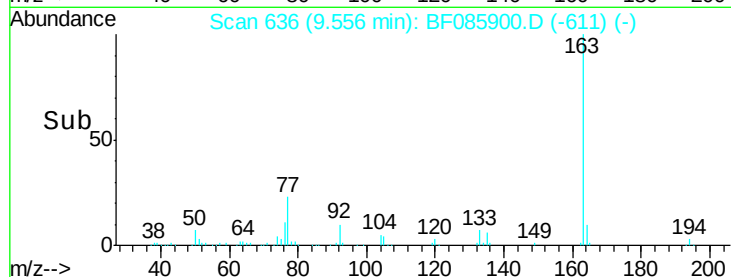
164 10.3 8.3 12.5



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: 11.32 min Scan# 790

Delta R.T. -0.01 min

Lab File: BF085900.D

Acq: 30 Mar 2016 21:46

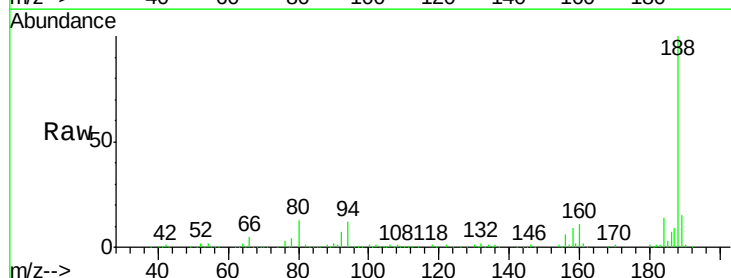
Tgt Ion:188 Resp: 322778

Ion Ratio Lower Upper

188 100

94 12.2 5.4 8.0#

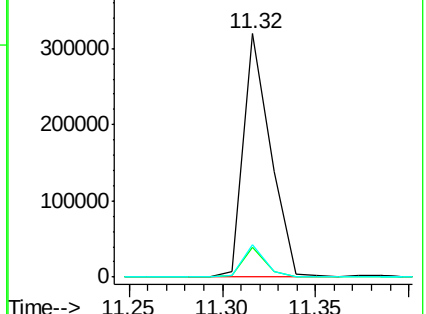
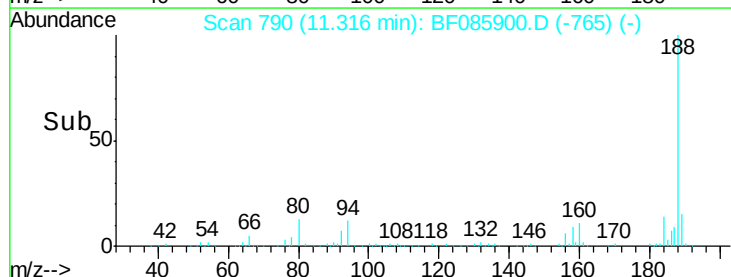
80 13.4 5.5 8.3#

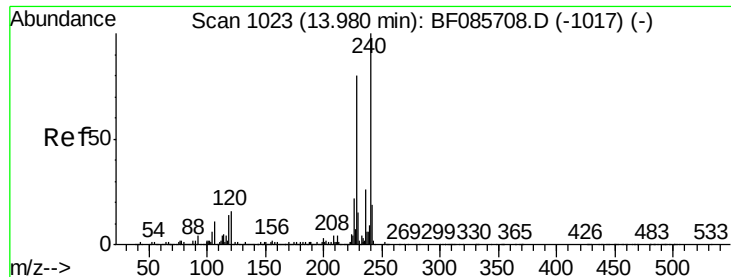


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.96 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF085900.D

Acq: 30 Mar 2016 21:46

Instrument :

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ClientSampleId :

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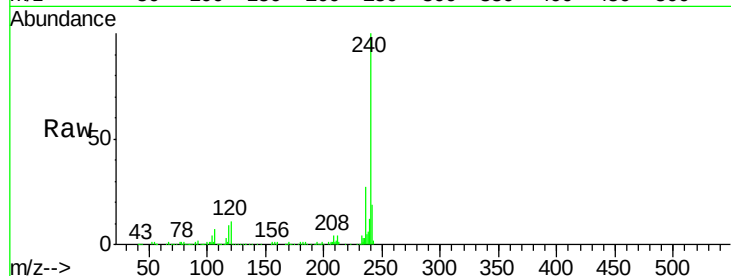
Tgt Ion:240 Resp: 225411

Ion Ratio Lower Upper

240 100

120 10.8 13.8 20.8#

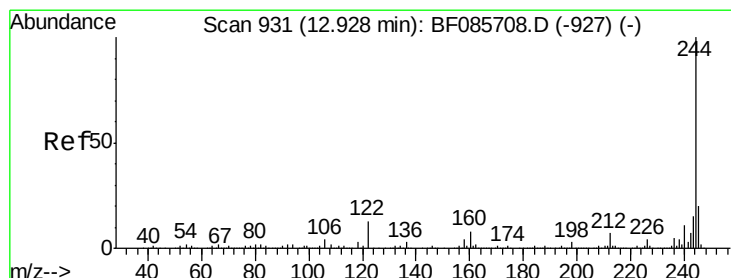
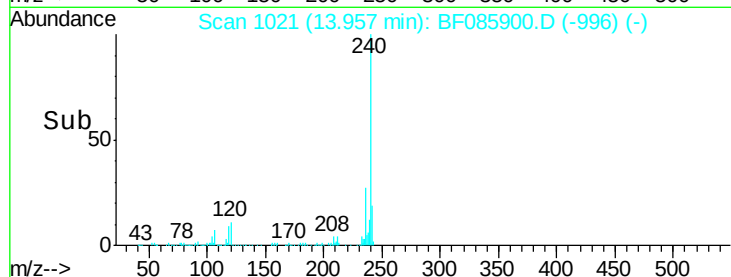
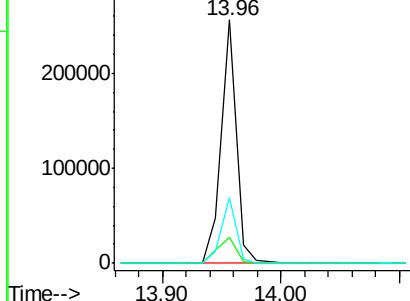
236 26.7 20.6 30.8



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: 70.70 ng

RT: 12.91 min Scan# 929

Delta R.T. -0.00 min

Lab File: BF085900.D

Acq: 30 Mar 2016 21:46

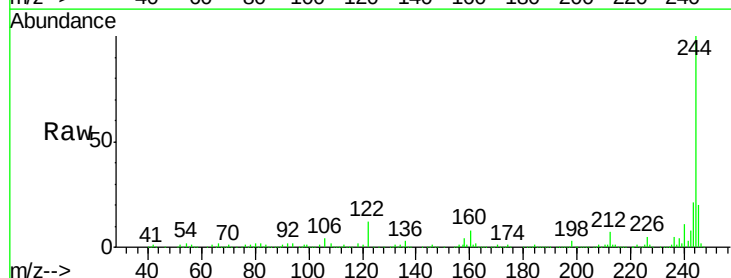
Tgt Ion:244 Resp: 774936

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

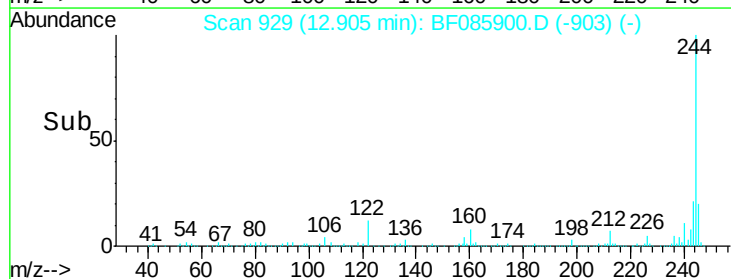
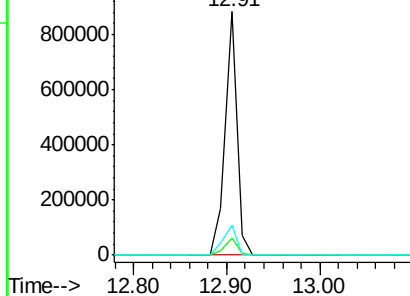
122 12.3 10.2 15.4



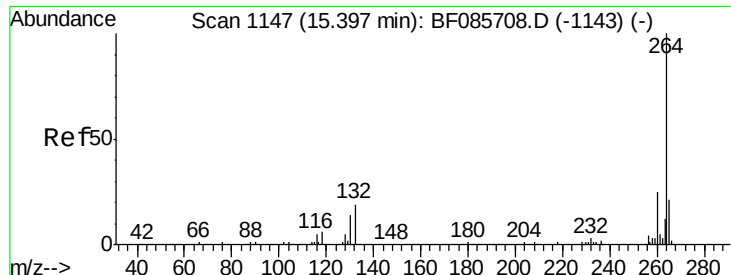
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



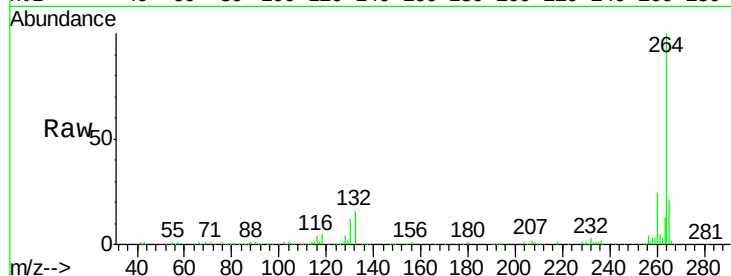




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.37 min Scan# 1145  
Delta R.T. -0.00 min  
Lab File: BF085900.D  
Acq: 30 Mar 2016 21:46

Instrument :  
BNA\_F  
ClientSampleId :  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 226067 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.0  | 19.4  | 29.2   |
| 265      | 21.3  | 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

