

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032216\  
 Data File : BF085696.D  
 Acq On : 23 Mar 2016 9:55  
 Operator : UM/SJ  
 Sample : H1857-12  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-02(13-15)

Quant Time: Mar 23 14:39:00 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 18 23:31:39 2016  
 Response via : Initial Calibration

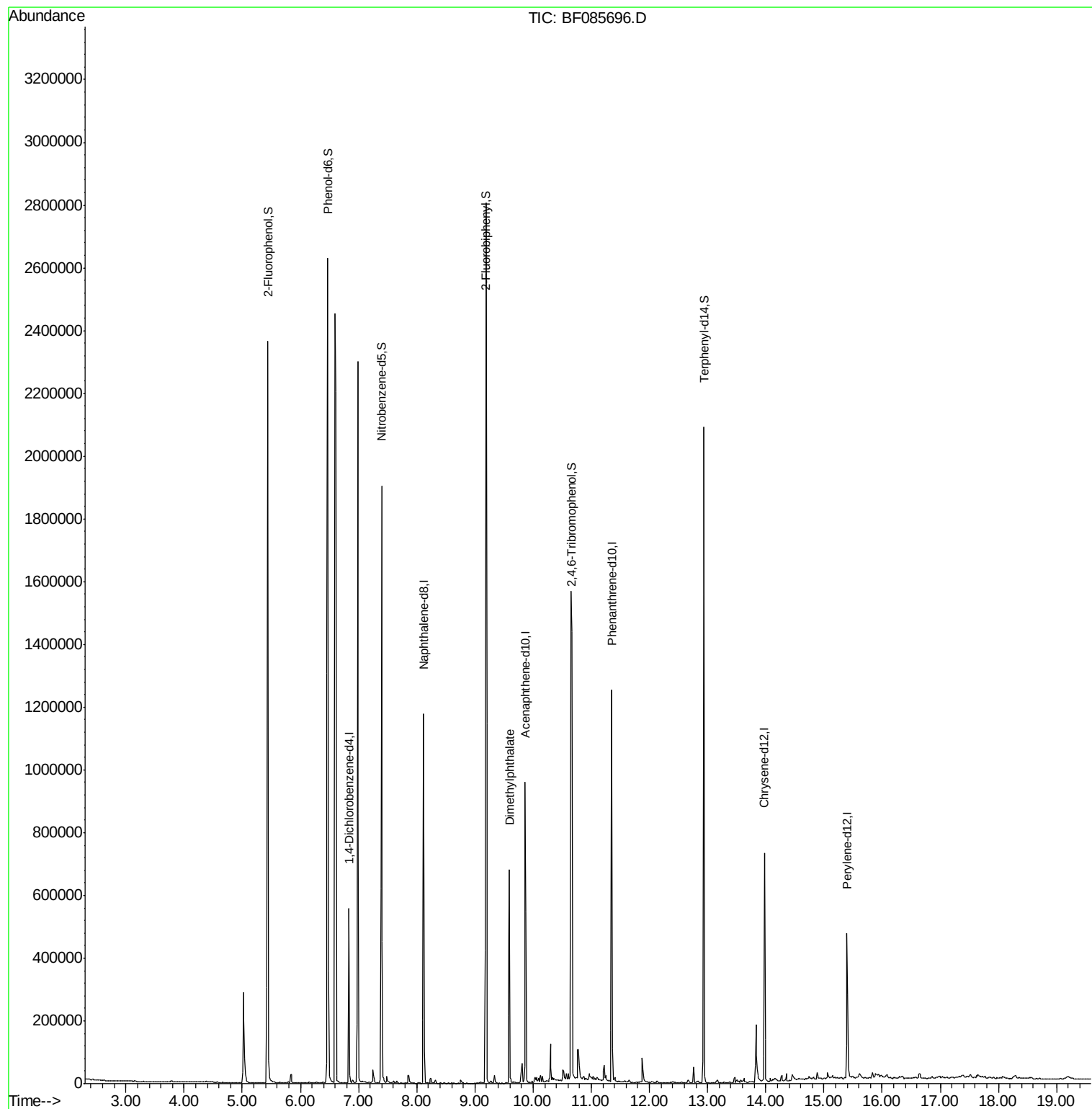
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.84  | 152  | 120354   | 20.00  | ng    | -0.02        |
| 21) Naphthalene-d8          | 8.12  | 136  | 513515   | 20.00  | ng    | -0.02        |
| 38) Acenaphthene-d10        | 9.86  | 164  | 225928   | 20.00  | ng    | -0.03        |
| 63) Phenanthrene-d10        | 11.35 | 188  | 412001   | 20.00  | ng    | -0.03        |
| 75) Chrysene-d12            | 13.98 | 240  | 233211   | 20.00  | ng    | -0.03        |
| 86) Perylene-d12            | 15.40 | 264  | 213906   | 20.00  | ng    | -0.05        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.44  | 112  | 1059858  | 147.91 | ng    | -0.01        |
| 7) Phenol-d6                | 6.47  | 99   | 1150315  | 125.17 | ng    | -0.02        |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 740918   | 83.75  | ng    | -0.03        |
| 41) 2,4,6-Tribromophenol    | 10.66 | 330  | 317422   | 143.43 | ng    | -0.02        |
| 44) 2-Fluorobiphenyl        | 9.19  | 172  | 1045790  | 77.14  | ng    | -0.03        |
| 78) Terphenyl-d14           | 12.94 | 244  | 866300   | 89.39  | ng    | -0.02        |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 9.59  | 163  | 292725   | 17.17  | ng    | Qvalue<br>99 |

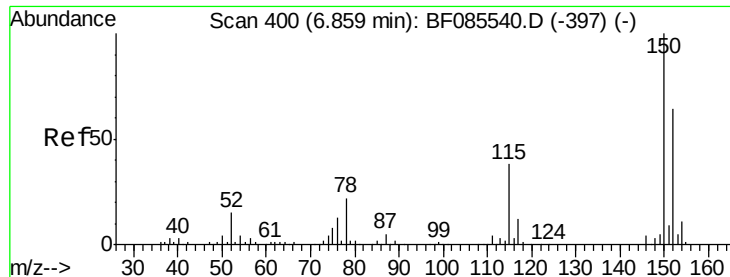
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-02(13-15)

Quant Time: Mar 23 14:39:00 2016  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031816.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Mar 18 23:31:39 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 398

Delta R.T. -0.02 min

Lab File: BF085696.D

Acq: 23 Mar 2016 9:55

Instrument :

BNA\_F

ClientSampleId :

SB-02(13-15)

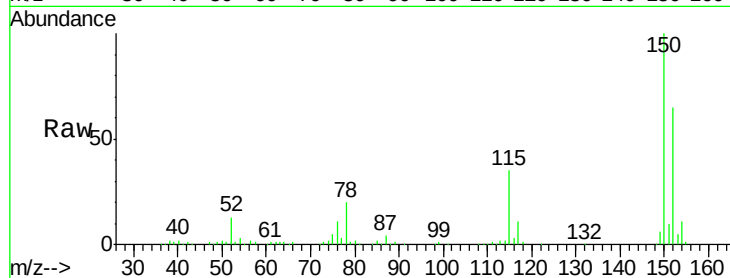
Tgt Ion:152 Resp: 120354

Ion Ratio Lower Upper

152 100

150 153.4 124.2 186.2

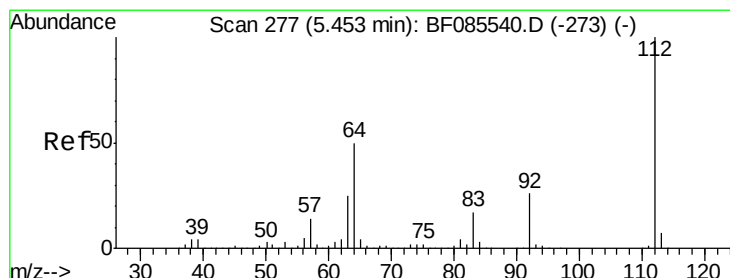
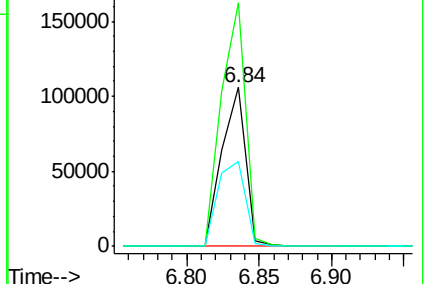
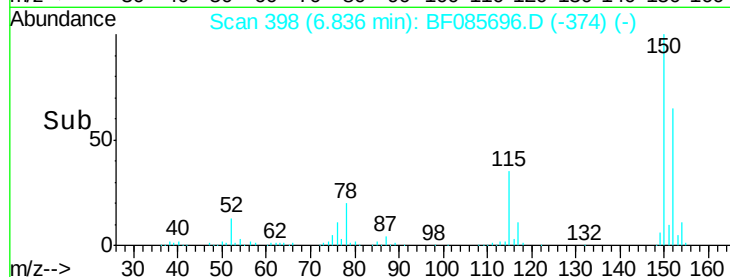
115 53.3 47.0 70.6



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: 147.91 ng

RT: 5.44 min Scan# 276

Delta R.T. -0.01 min

Lab File: BF085696.D

Acq: 23 Mar 2016 9:55

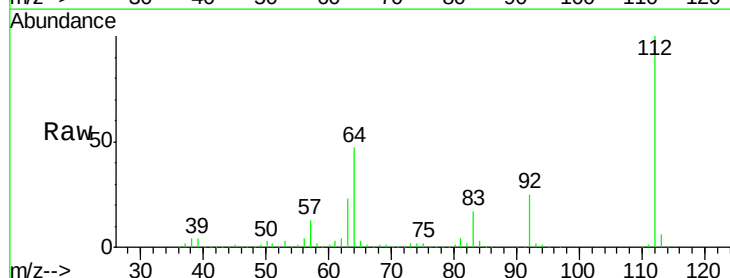
Tgt Ion:112 Resp: 1059858

Ion Ratio Lower Upper

112 100

64 46.6 39.9 59.9

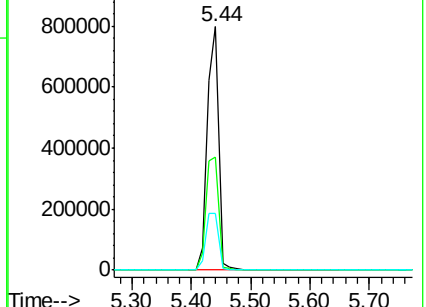
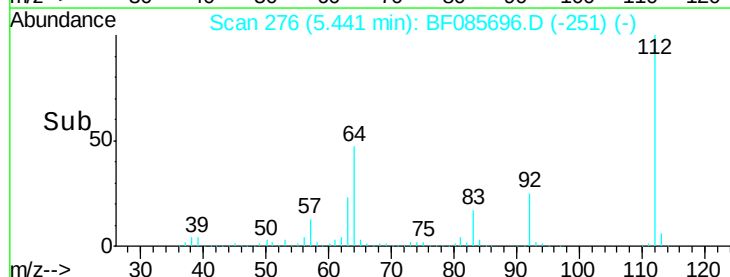
63 23.4 20.2 30.2

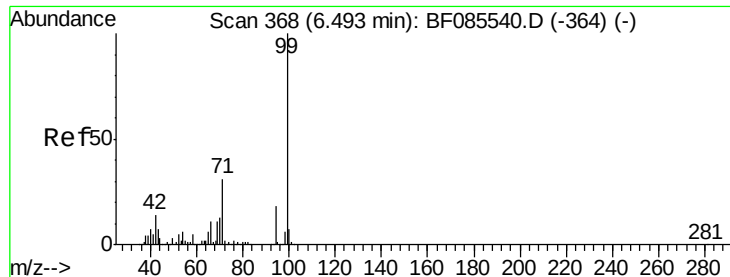


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 125.17 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF085696.D

Acq: 23 Mar 2016 9:55

Instrument :

BNA\_F

ClientSampleId :

SB-02(13-15)

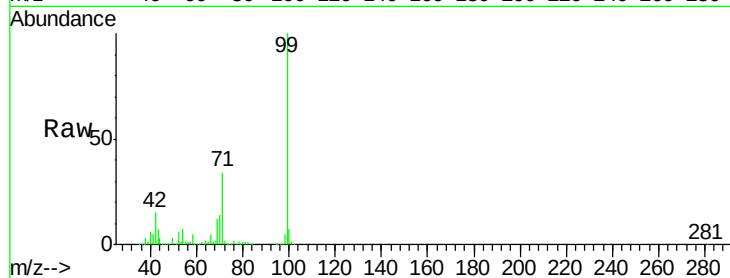
Tgt Ion: 99 Resp: 1150315

Ion Ratio Lower Upper

99 100

42 15.4 11.1 16.7

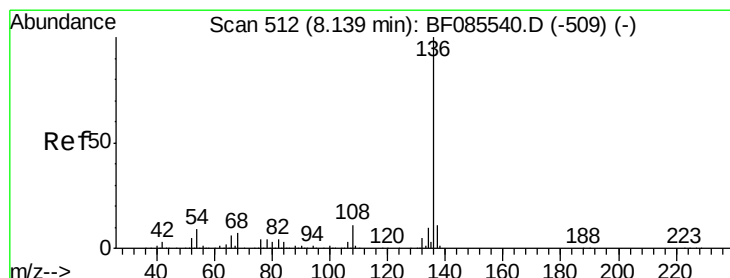
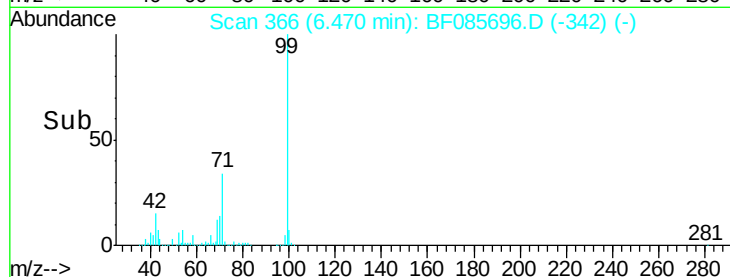
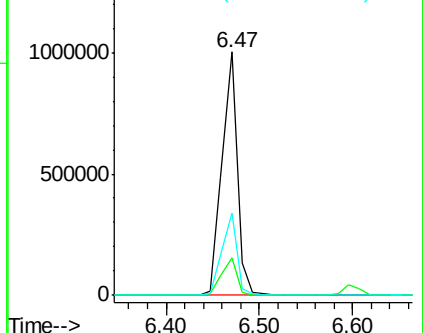
71 33.8 24.9 37.3



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: 8.12 min Scan# 510

Delta R.T. -0.02 min

Lab File: BF085696.D

Acq: 23 Mar 2016 9:55

Tgt Ion: 136 Resp: 513515

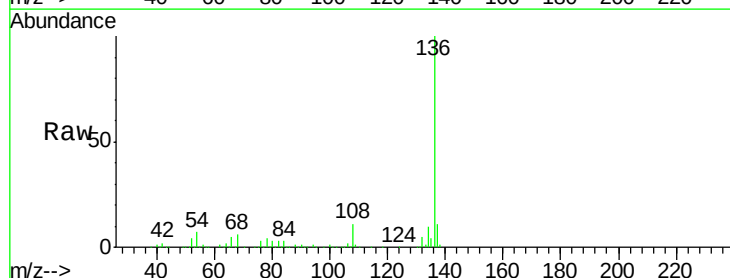
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 6.8 7.4 11.0#

68 5.9 5.8 8.8

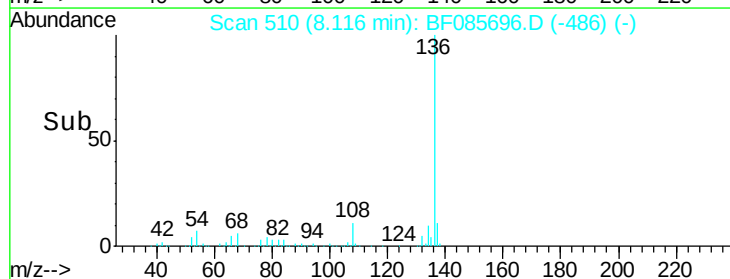
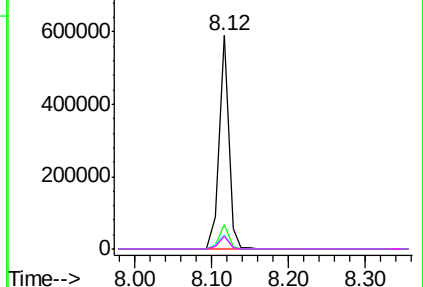


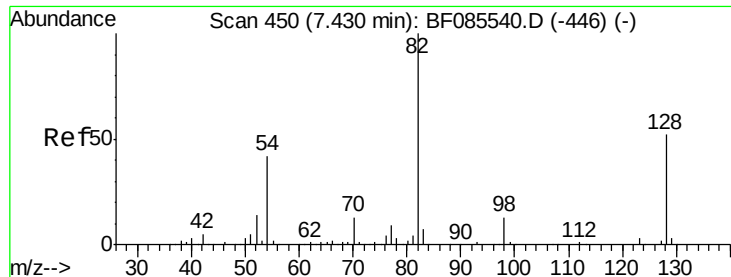
Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.75 ng

RT: 7.40 min Scan# 447

Delta R.T. -0.03 min

Lab File: BF085696.D

Acq: 23 Mar 2016 9:55

Instrument :

BNA\_F

ClientSampleId :

SB-02(13-15)

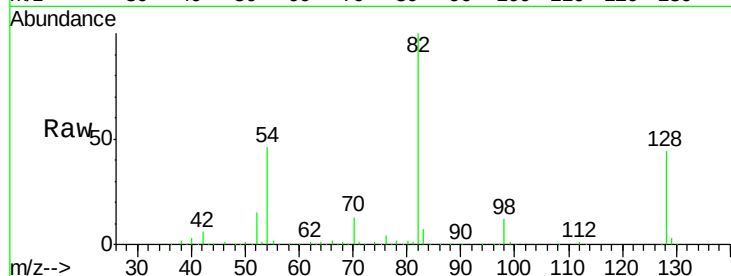
Tgt Ion: 82 Resp: 740918

Ion Ratio Lower Upper

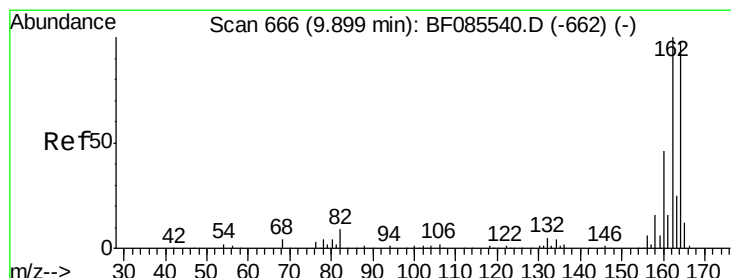
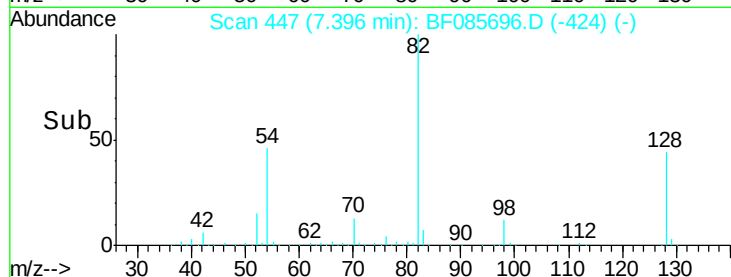
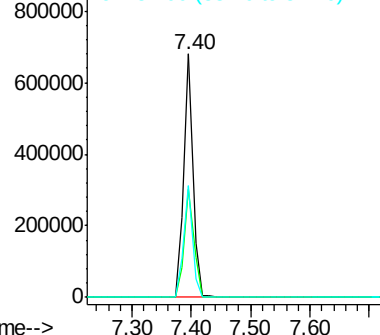
82 100

128 44.2 41.8 62.8

54 46.1 33.4 50.0



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.03 min

Lab File: BF085696.D

Acq: 23 Mar 2016 9:55

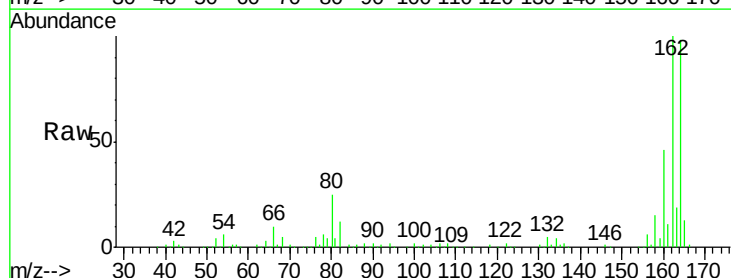
Tgt Ion: 164 Resp: 225928

Ion Ratio Lower Upper

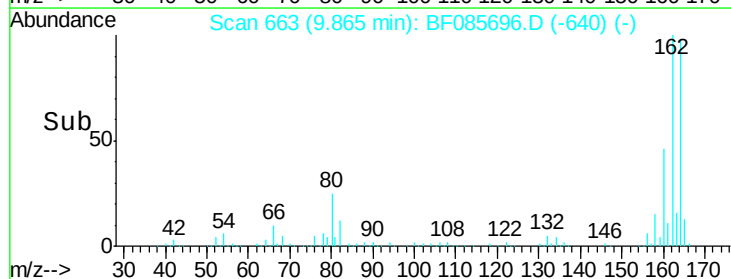
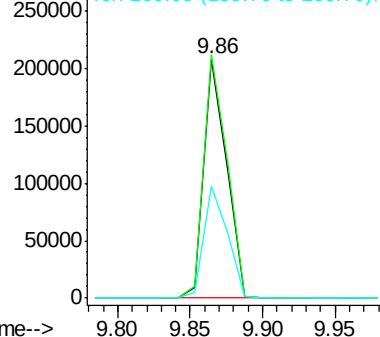
164 100

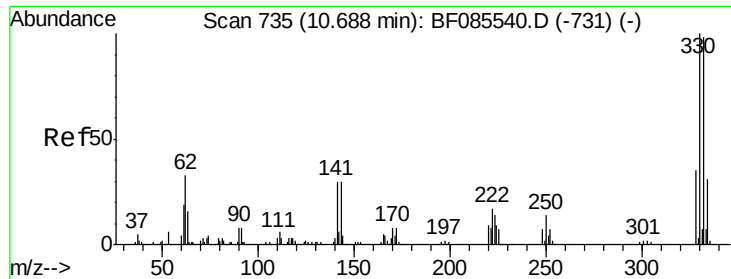
162 101.8 82.1 123.1

160 47.0 37.4 56.2



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

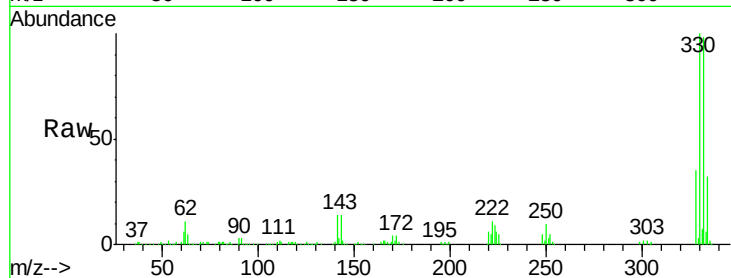




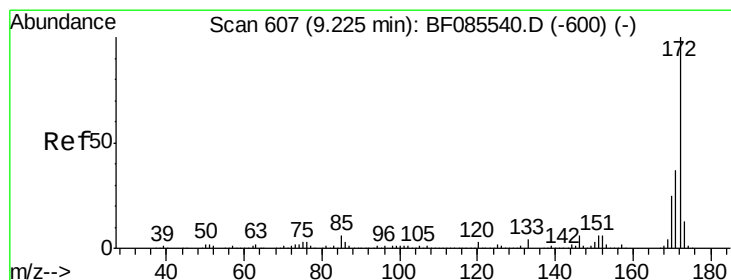
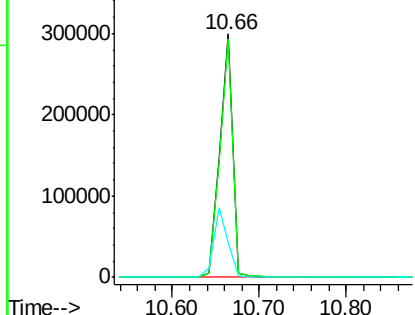
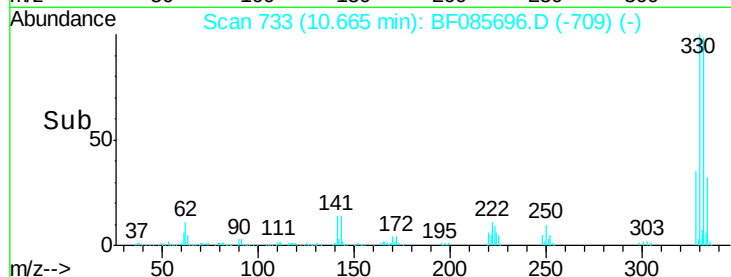
#41  
 2,4,6-Tribromophenol  
 Concen: 143.43 ng  
 RT: 10.66 min Scan# 733  
 Delta R.T. -0.02 min  
 Lab File: BF085696.D  
 Acq: 23 Mar 2016 9:55

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-02(13-15)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.8  | 78.2  | 117.2 |
| 141     | 31.0  | 31.5  | 47.3# |

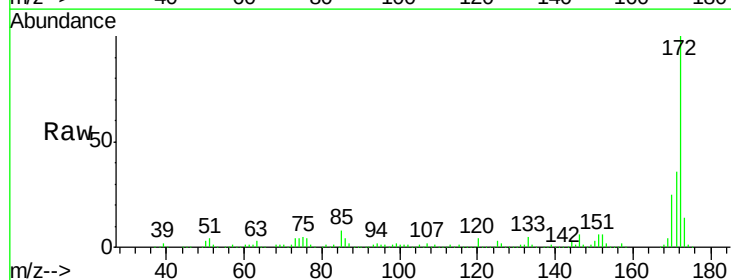


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

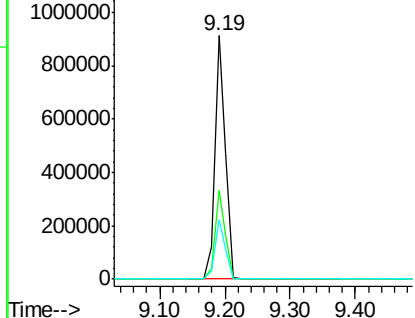
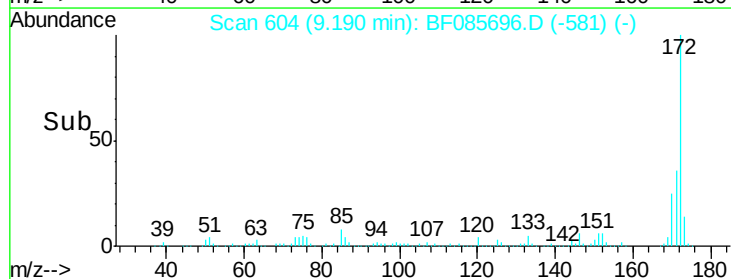


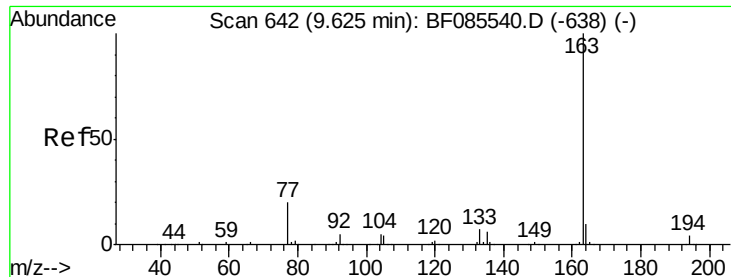
#44  
 2-Fluorobiphenyl  
 Concen: 77.14 ng  
 RT: 9.19 min Scan# 604  
 Delta R.T. -0.03 min  
 Lab File: BF085696.D  
 Acq: 23 Mar 2016 9:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 29.4  | 44.2  |
| 170     | 24.5  | 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: 17.17 ng

RT: 9.59 min Scan# 639

Delta R.T. -0.03 min

Lab File: BF085696.D

Acq: 23 Mar 2016 9:55

Instrument :

BNA\_F

ClientSampleId :

SB-02(13-15)

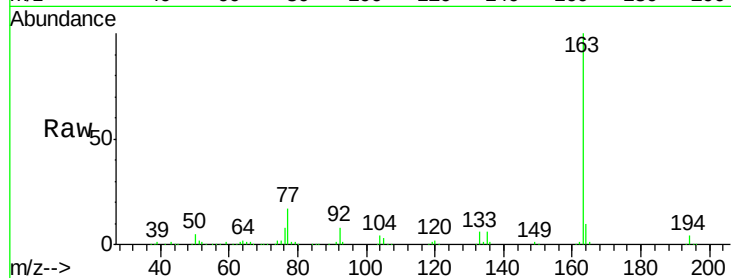
Tgt Ion:163 Resp: 292725

Ion Ratio Lower Upper

163 100

194 3.7 2.9 4.3

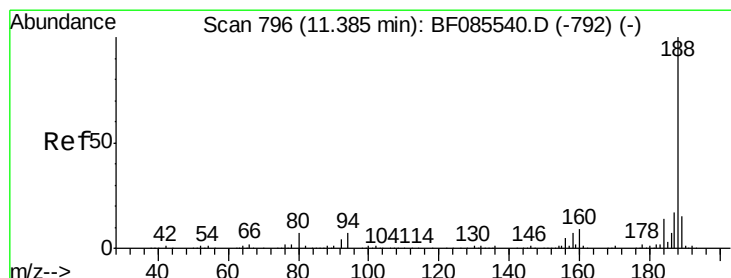
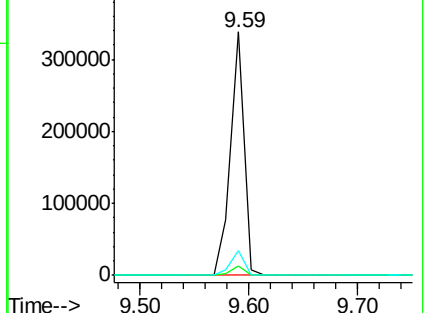
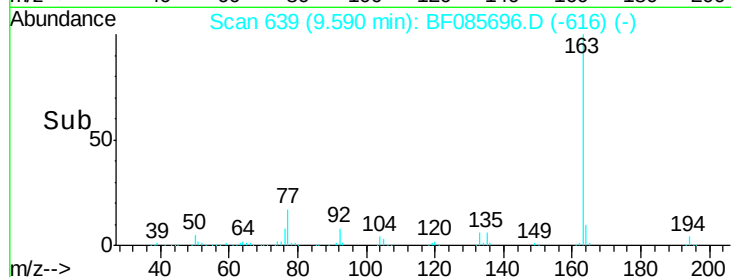
164 9.9 8.3 12.5



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: 11.35 min Scan# 793

Delta R.T. -0.03 min

Lab File: BF085696.D

Acq: 23 Mar 2016 9:55

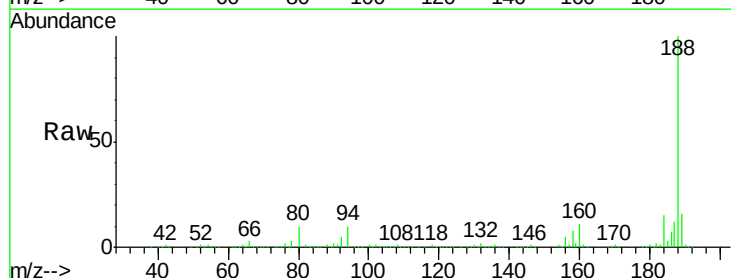
Tgt Ion:188 Resp: 412001

Ion Ratio Lower Upper

188 100

94 9.8 5.4 8.0#

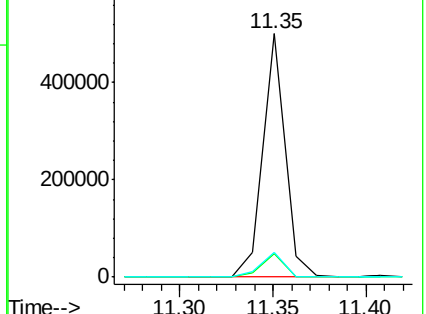
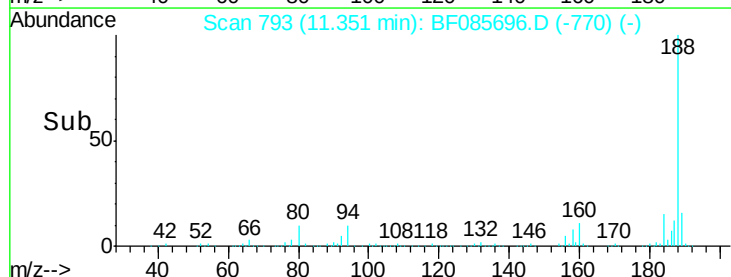
80 10.4 5.5 8.3#

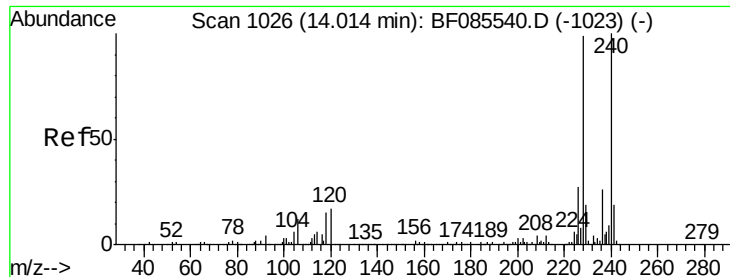


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.98 min Scan# 1023

Delta R.T. -0.03 min

Lab File: BF085696.D

Acq: 23 Mar 2016 9:55

Instrument :

BNA\_F

ClientSampleId :

SB-02(13-15)

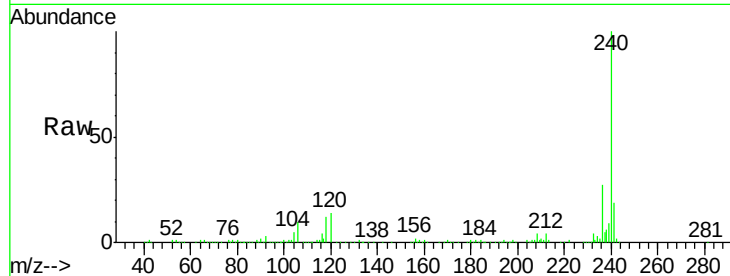
Tgt Ion:240 Resp: 233211

Ion Ratio Lower Upper

240 100

120 14.0 13.8 20.8

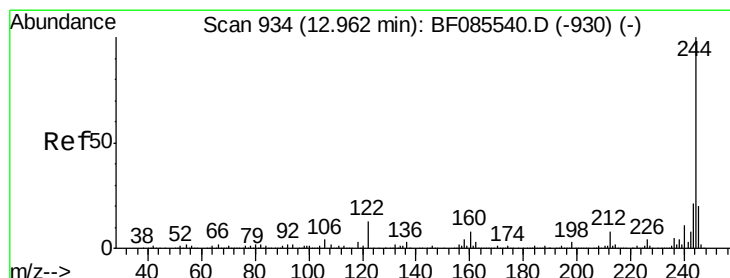
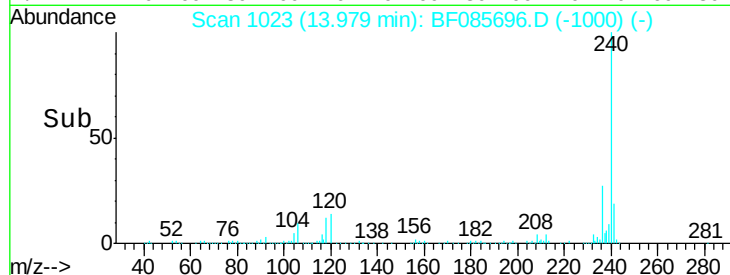
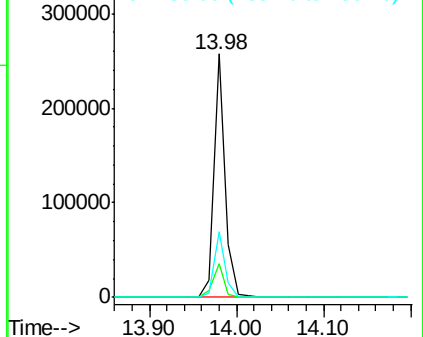
236 26.8 20.6 30.8



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: 89.39 ng

RT: 12.94 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF085696.D

Acq: 23 Mar 2016 9:55

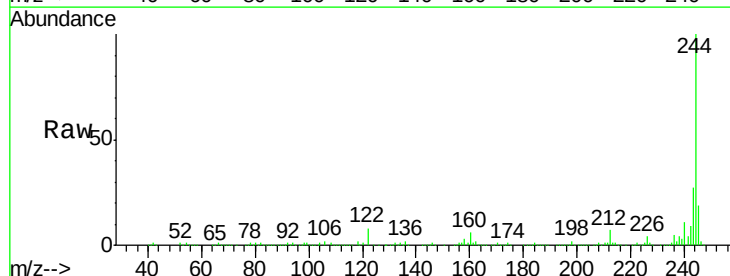
Tgt Ion:244 Resp: 866300

Ion Ratio Lower Upper

244 100

212 6.7 6.1 9.1

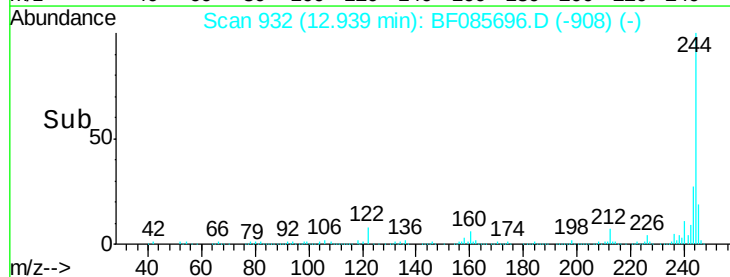
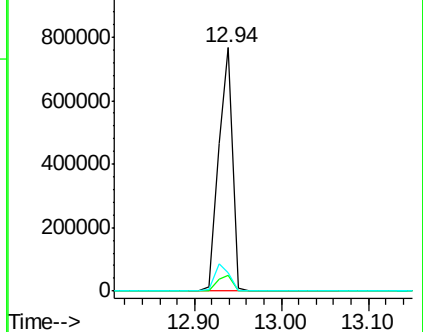
122 7.8 10.2 15.4#



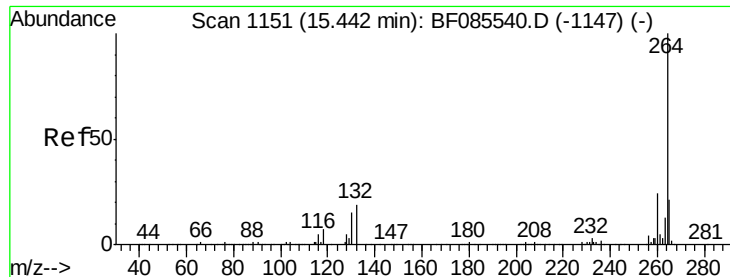
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



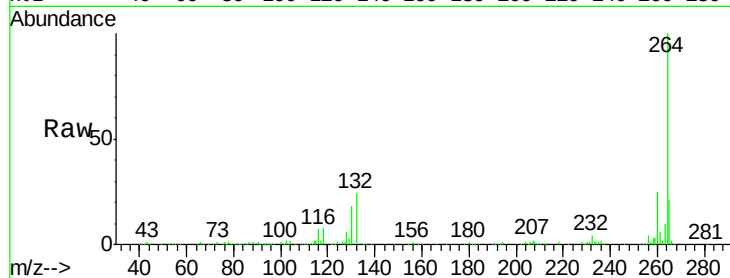




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.40 min Scan# 1147  
Delta R.T. -0.05 min  
Lab File: BF085696.D  
Acq: 23 Mar 2016 9:55

Instrument :  
BNA\_F  
ClientSampleId :  
SB-02(13-15)

Tgt Ion: 264 Resp: 213906  
Ion Ratio Lower Upper  
264 100  
260 24.8 19.4 29.2  
265 21.5 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

