

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032416\  
 Data File : BF085723.D  
 Acq On : 24 Mar 2016 19:42  
 Operator : UM/SJ  
 Sample : H1881-22  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FIELD-BLANK-3-18-16

Quant Time: Mar 25 01:53:29 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 24 14:15:39 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.82  | 152  | 103129   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.10  | 136  | 411771   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.86  | 164  | 192364   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.34 | 188  | 370172   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.98 | 240  | 269601   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.40 | 264  | 179286   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 384031   | 62.02  | ng    | 0.01     |
| 7) Phenol-d6                | 6.45  | 99   | 289539   | 36.78  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 692658   | 94.73  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.65 | 330  | 303678   | 166.16 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.19  | 172  | 1245701  | 108.19 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.93 | 244  | 1083107  | 82.62  | ng    | 0.00     |

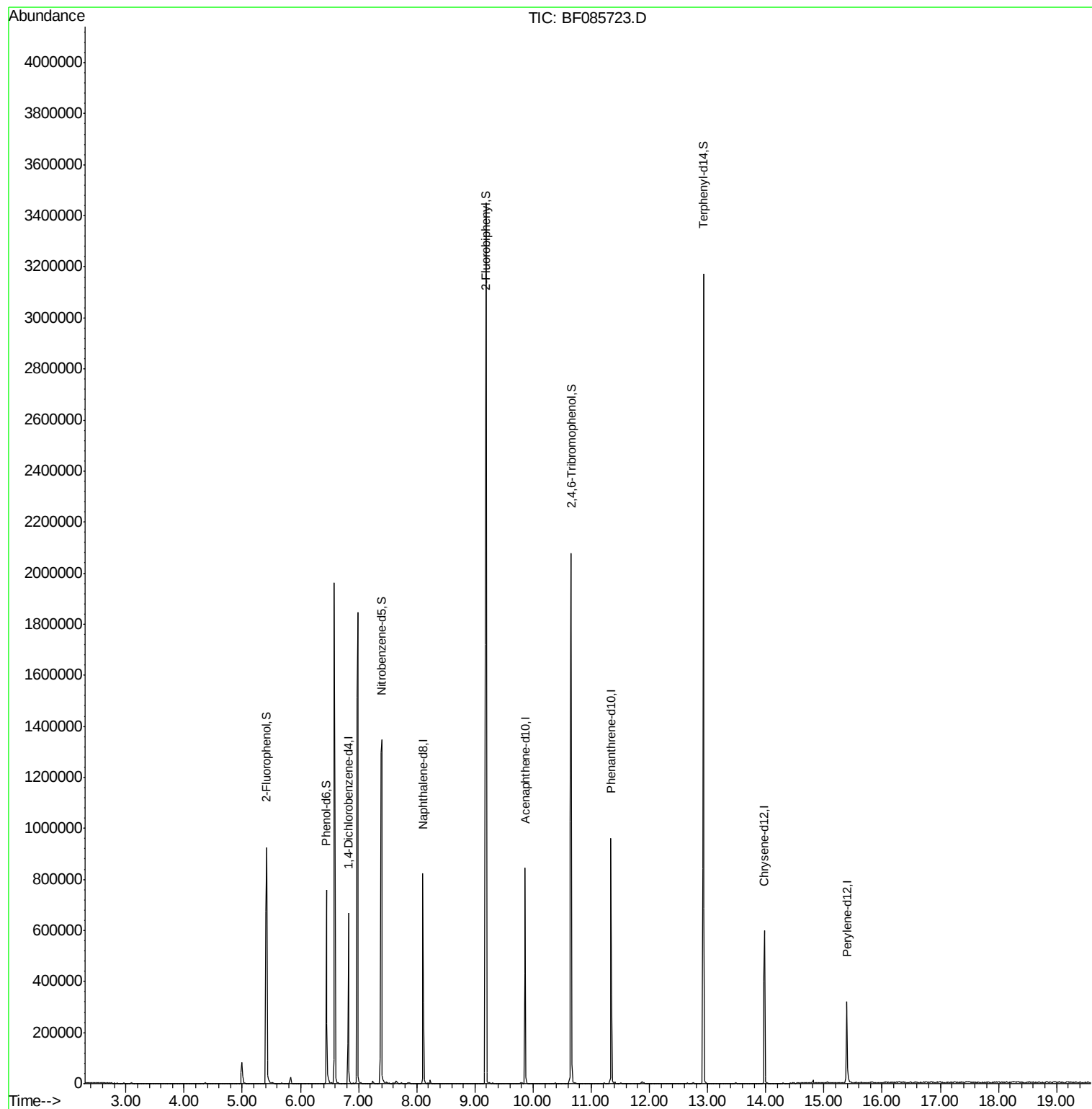
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

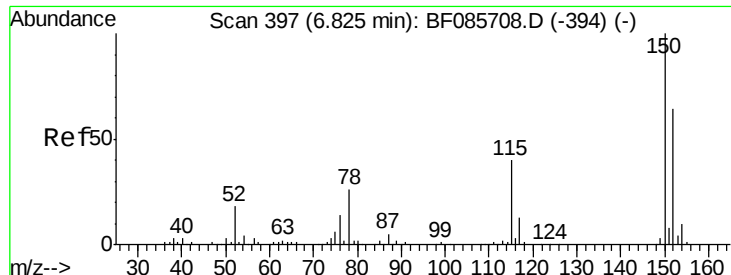
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 397

Delta R.T. -0.00 min

Lab File: BF085723.D

Acq: 24 Mar 2016 19:42

Instrument :

BNA\_F

ClientSampleId :

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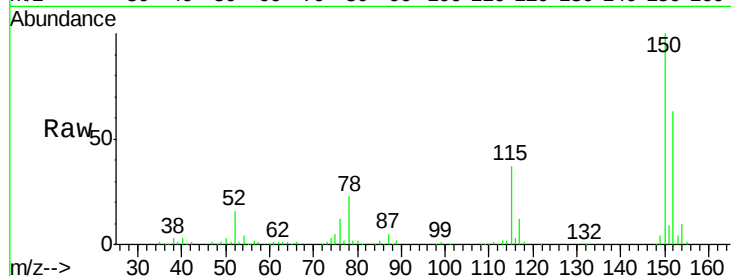
Tgt Ion:152 Resp: 103129

Ion Ratio Lower Upper

152 100

150 157.5 124.2 186.2

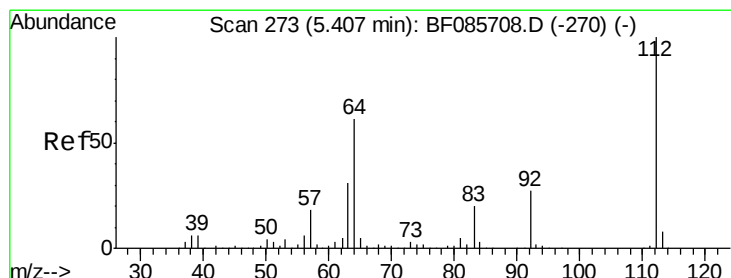
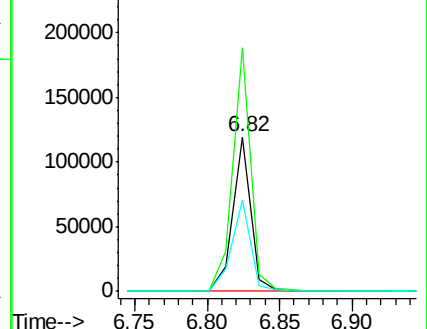
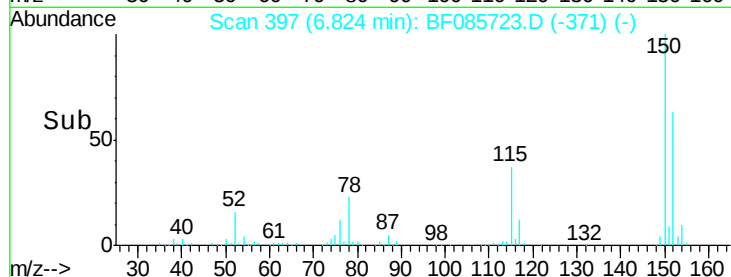
115 58.8 47.0 70.6



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: 62.02 ng

RT: 5.42 min Scan# 274

Delta R.T. 0.01 min

Lab File: BF085723.D

Acq: 24 Mar 2016 19:42

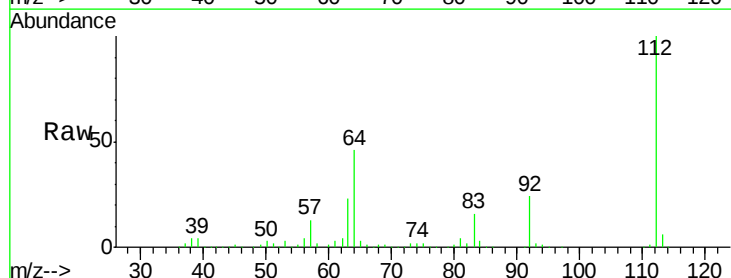
Tgt Ion:112 Resp: 384031

Ion Ratio Lower Upper

112 100

64 45.6 39.9 59.9

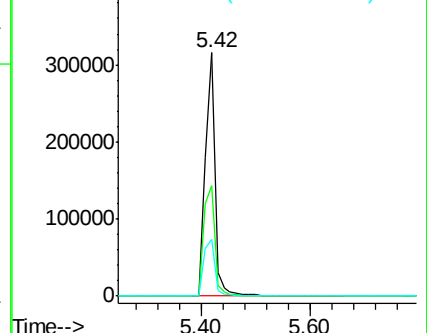
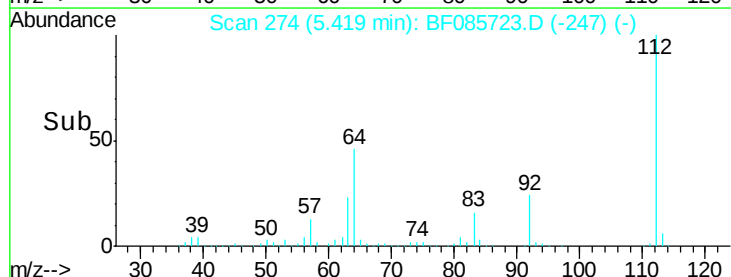
63 23.3 20.2 30.2

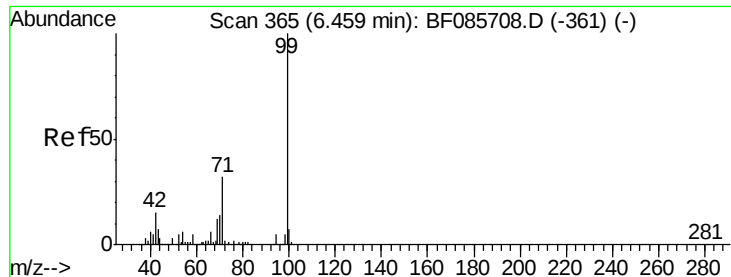


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.78 ng

RT: 6.45 min Scan# 364

Delta R.T. -0.01 min

Lab File: BF085723.D

Acq: 24 Mar 2016 19:42

Instrument :

BNA\_F

ClientSampleId :

FIELD-BLANK-3-18-16

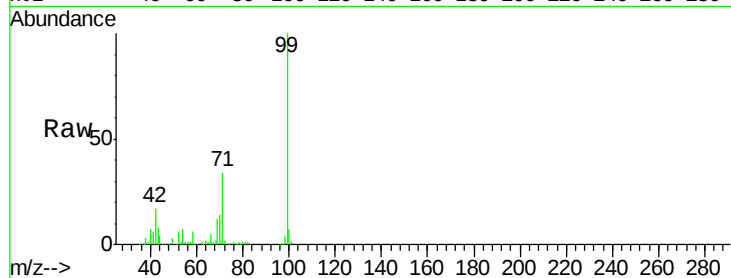
Tgt Ion: 99 Resp: 289539

Ion Ratio Lower Upper

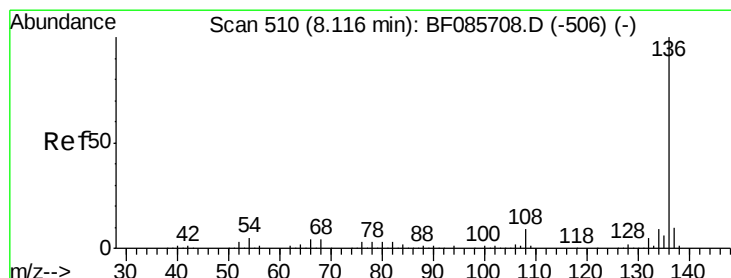
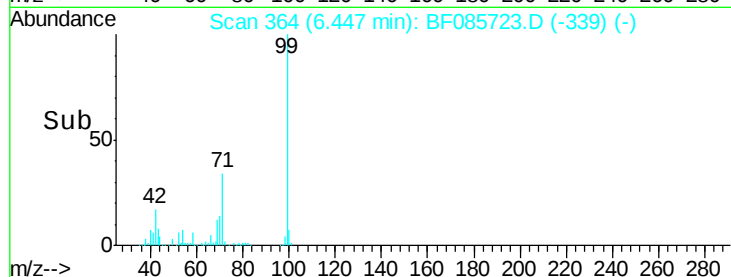
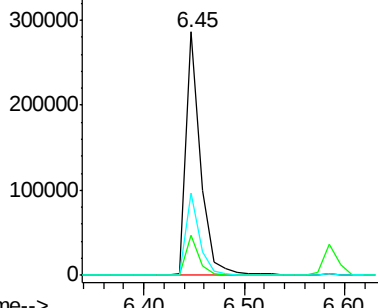
99 100

42 16.5 11.1 16.7

71 33.6 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: 8.10 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF085723.D

Acq: 24 Mar 2016 19:42

Tgt Ion: 136 Resp: 411771

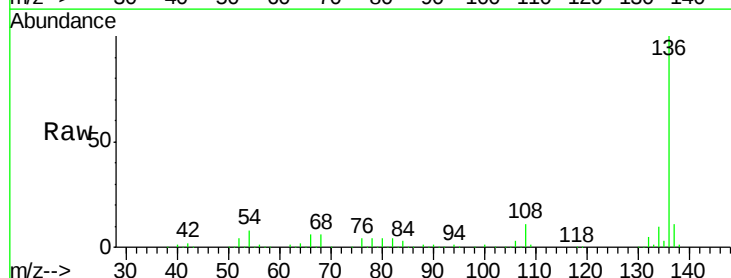
Ion Ratio Lower Upper

136 100

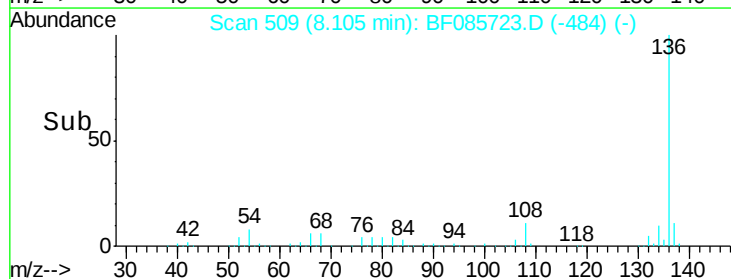
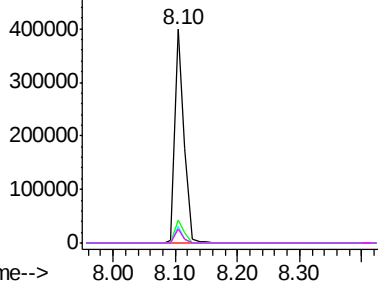
137 11.0 9.1 13.7

54 8.1 7.4 11.0

68 6.4 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

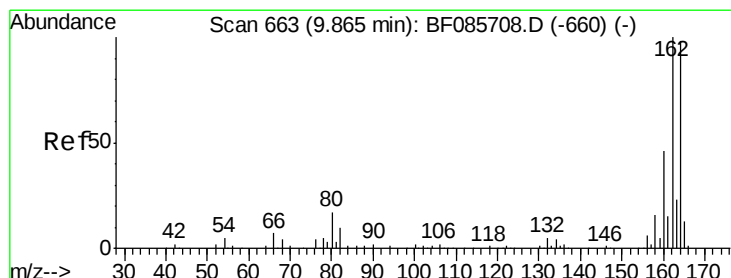
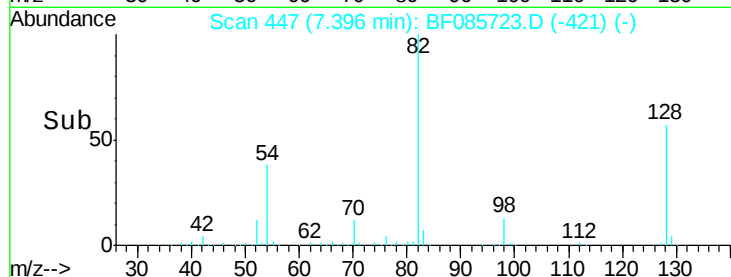
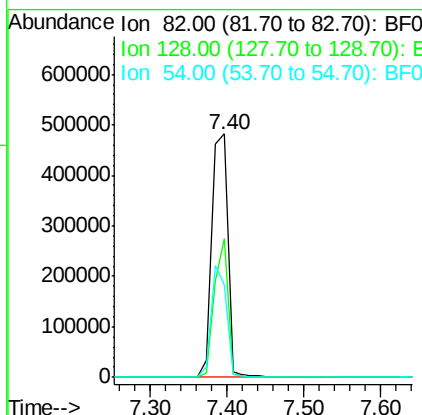
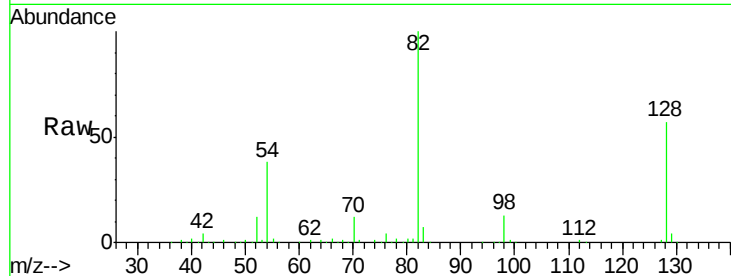




#23  
 Nitrobenzene-d5  
 Concen: 94.73 ng  
 RT: 7.40 min Scan# 447  
 Delta R.T. -0.00 min  
 Lab File: BF085723.D  
 Acq: 24 Mar 2016 19:42

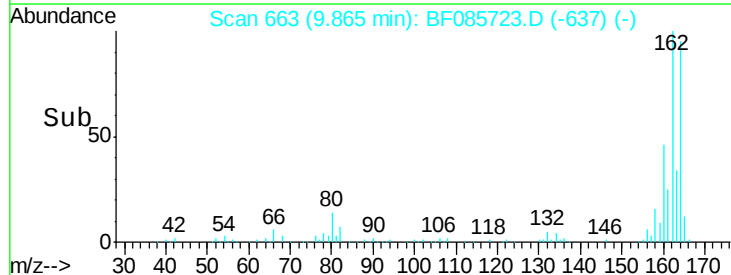
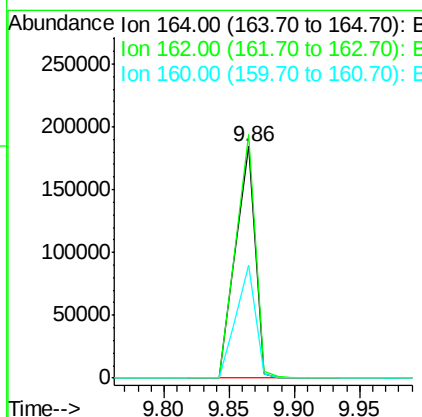
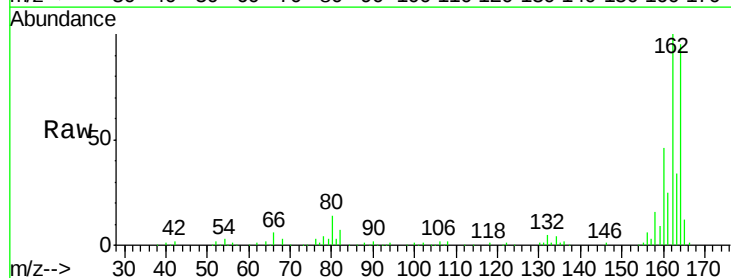
Instrument :  
 BNA\_F  
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 FIELD-BLANK-3-18-16

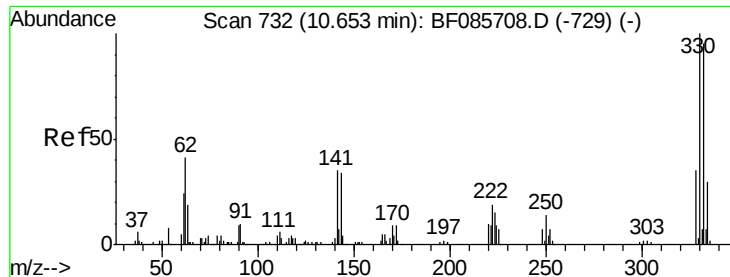
Tgt Ion: 82 Resp: 692658  
 Ion Ratio Lower Upper  
 82 100  
 128 57.1 41.8 62.8  
 54 37.8 33.4 50.0



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.86 min Scan# 663  
 Delta R.T. -0.00 min  
 Lab File: BF085723.D  
 Acq: 24 Mar 2016 19:42

Tgt Ion: 164 Resp: 192364  
 Ion Ratio Lower Upper  
 164 100  
 162 105.0 82.1 123.1  
 160 48.8 37.4 56.2

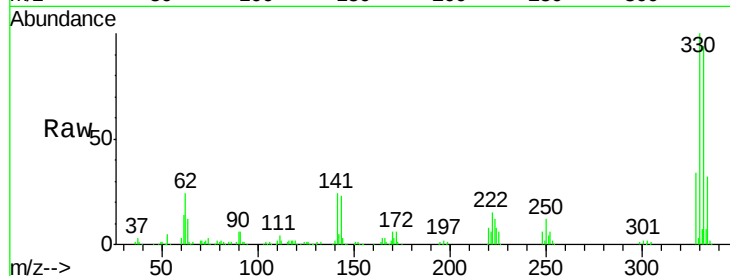




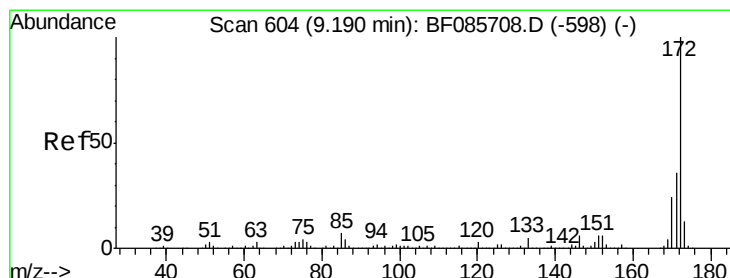
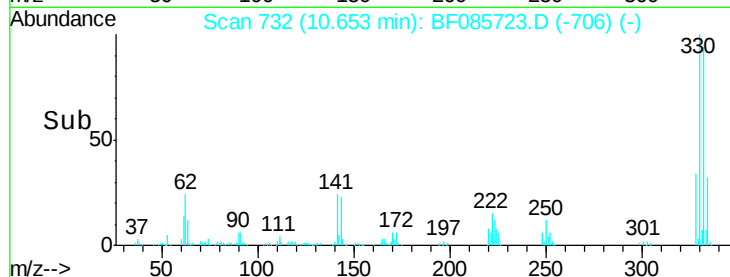
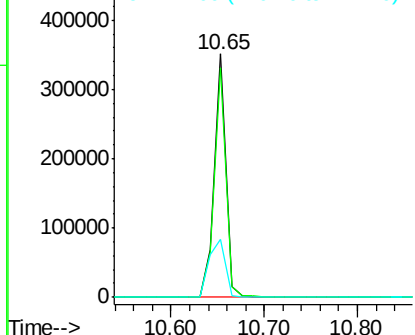
#41  
 2,4,6-Tribromophenol  
 Concen: 166.16 ng  
 RT: 10.65 min Scan# 732  
 Delta R.T. -0.00 min  
 Lab File: BF085723.D  
 Acq: 24 Mar 2016 19:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FIELD-BLANK-3-18-16

Tgt Ion:330 Resp: 303678  
 Ion Ratio Lower Upper  
 330 100  
 332 94.6 78.2 117.2  
 141 34.1 31.5 47.3

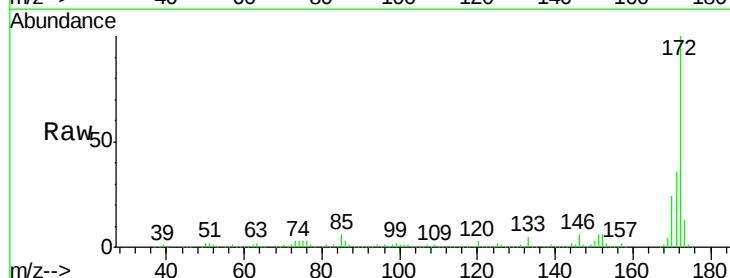


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

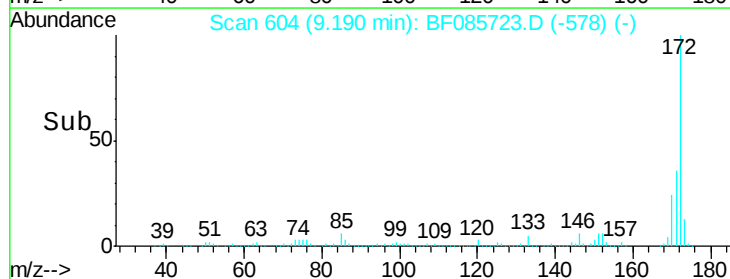
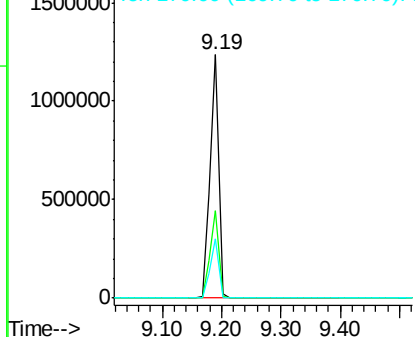


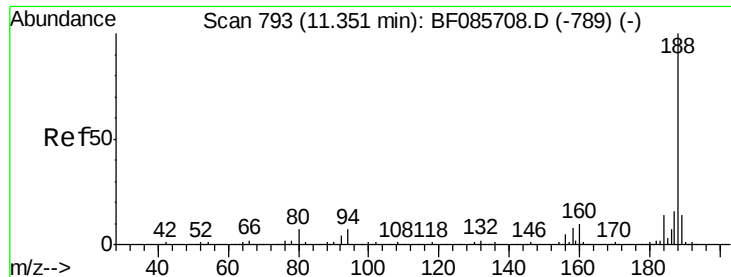
#44  
 2-Fluorobiphenyl  
 Concen: 108.19 ng  
 RT: 9.19 min Scan# 604  
 Delta R.T. -0.00 min  
 Lab File: BF085723.D  
 Acq: 24 Mar 2016 19:42

Tgt Ion:172 Resp: 1245701  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.4 44.2  
 170 24.4 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

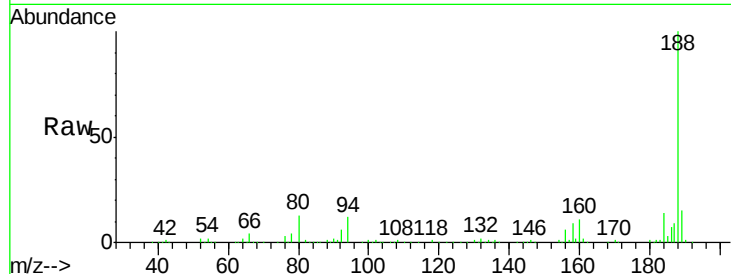




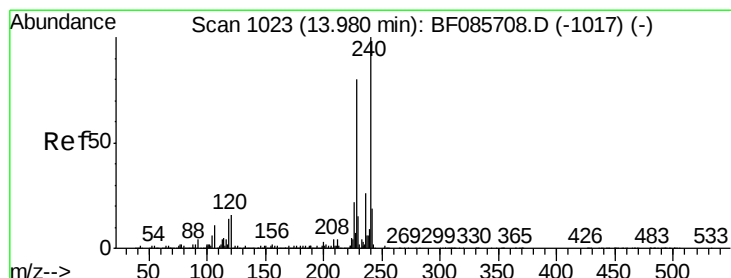
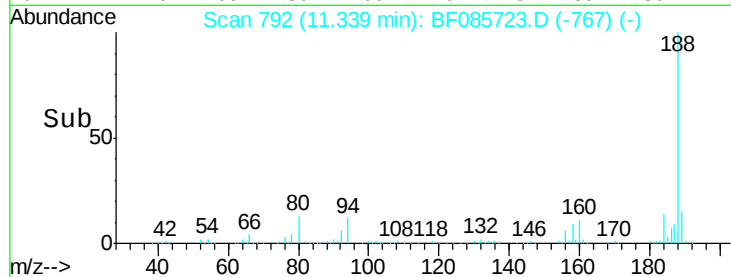
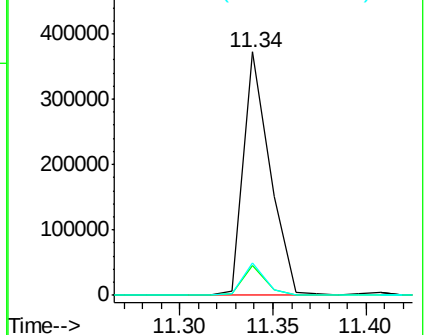
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.34 min Scan# 792  
Delta R.T. -0.01 min  
Lab File: BF085723.D  
Acq: 24 Mar 2016 19:42

Instrument :  
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Tgt Ion:188 Resp: 370172  
Ion Ratio Lower Upper  
188 100  
94 12.4 5.4 8.0#  
80 13.3 5.5 8.3#

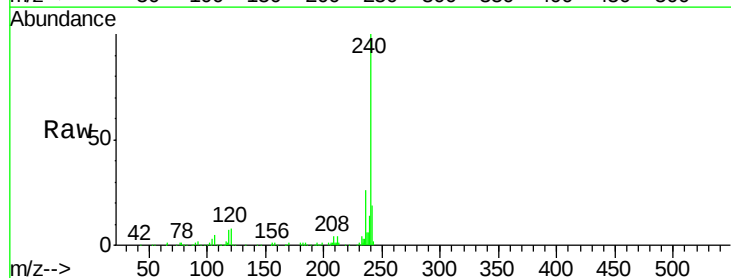


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

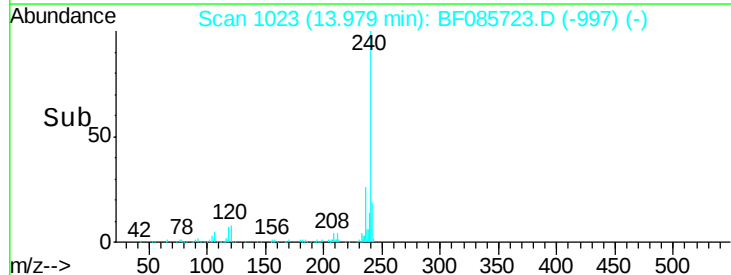
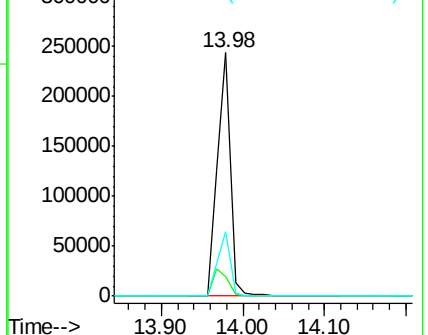


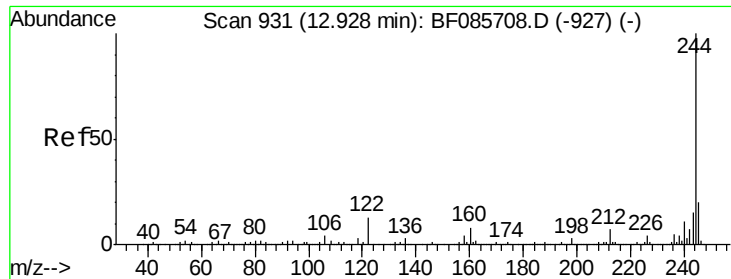
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.98 min Scan# 1023  
Delta R.T. -0.00 min  
Lab File: BF085723.D  
Acq: 24 Mar 2016 19:42

Tgt Ion:240 Resp: 269601  
Ion Ratio Lower Upper  
240 100  
120 8.2 13.8 20.8#  
236 26.4 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

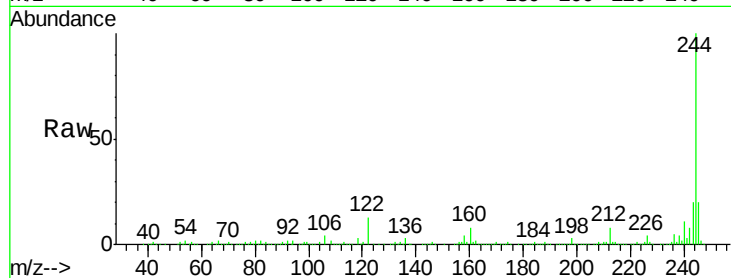




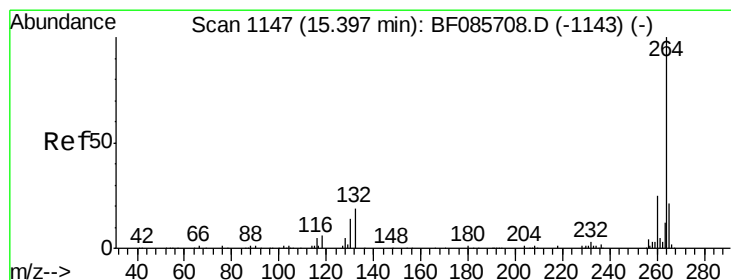
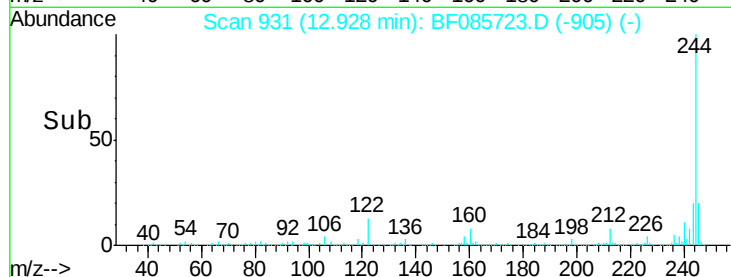
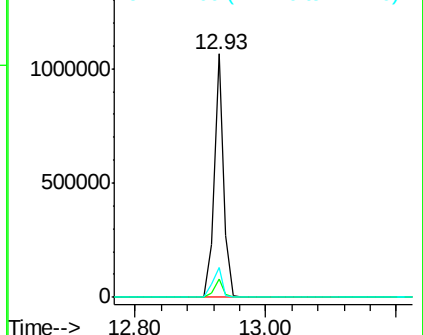
#78  
 Terphenyl-d14  
 Concen: 82.62 ng  
 RT: 12.93 min Scan# 931  
 Delta R.T. -0.00 min  
 Lab File: BF085723.D  
 Acq: 24 Mar 2016 19:42

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Tgt Ion:244 Resp: 1083107  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 6.1 9.1  
 122 12.5 10.2 15.4

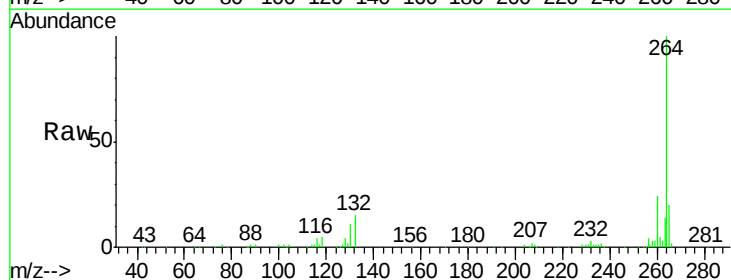


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.40 min Scan# 1147  
 Delta R.T. -0.00 min  
 Lab File: BF085723.D  
 Acq: 24 Mar 2016 19:42

Tgt Ion:264 Resp: 179286  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.4 29.2  
 265 20.5 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

