

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032816\  
 Data File : BF085808.D  
 Acq On : 28 Mar 2016 18:22  
 Operator : UM/SJ  
 Sample : PB89183BL  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB89183BL

Quant Time: Mar 29 01:09:08 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 28 15:27:05 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.81  | 152  | 107120   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.10  | 136  | 417076   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.85  | 164  | 188640   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.34 | 188  | 338546   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.97 | 240  | 190879   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.39 | 264  | 173154   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 675583   | 105.03 | ng    | 0.01     |
| 7) Phenol-d6                | 6.45  | 99   | 756299   | 92.48  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 534359   | 72.15  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.64 | 330  | 176548   | 98.50  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.18  | 172  | 869147   | 76.98  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.93 | 244  | 789794   | 85.09  | ng    | 0.00     |

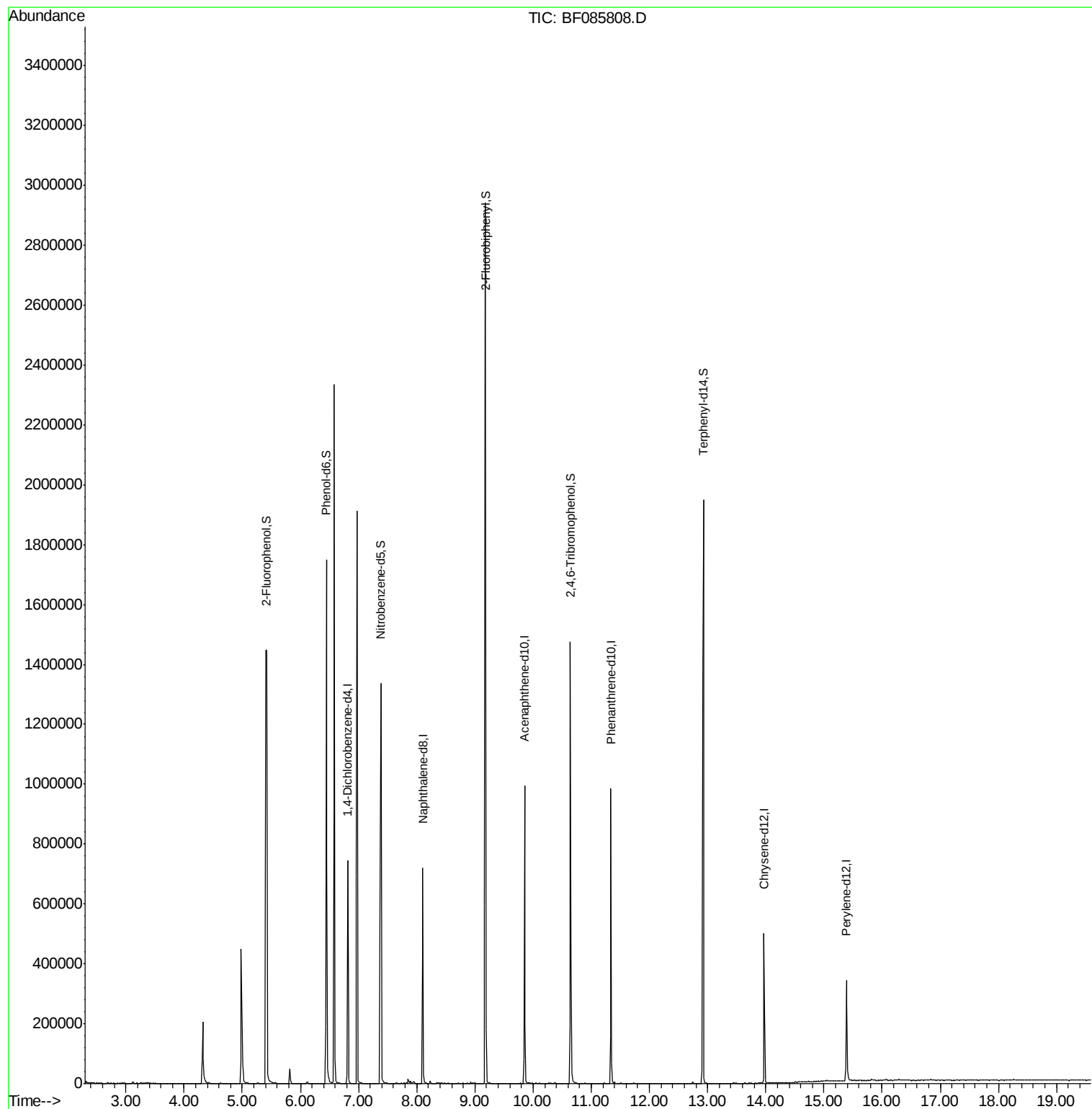
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

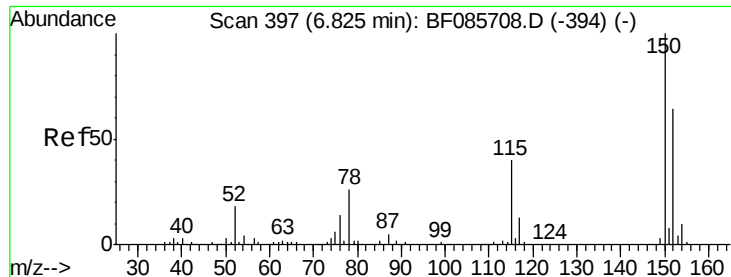
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 28 15:27:05 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 396

Delta R.T. -0.01 min

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PB89183BL

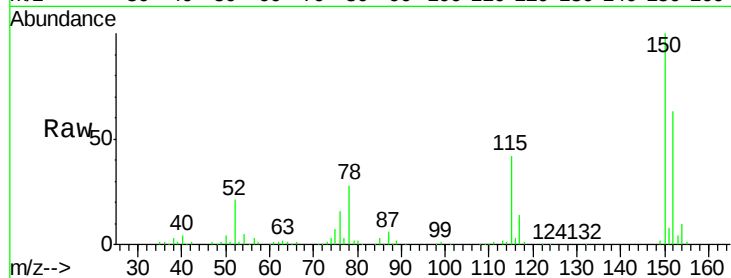
Tgt Ion:152 Resp: 107120

Ion Ratio Lower Upper

152 100

150 157.9 124.2 186.2

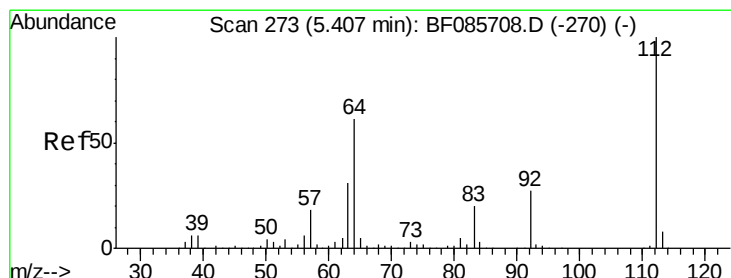
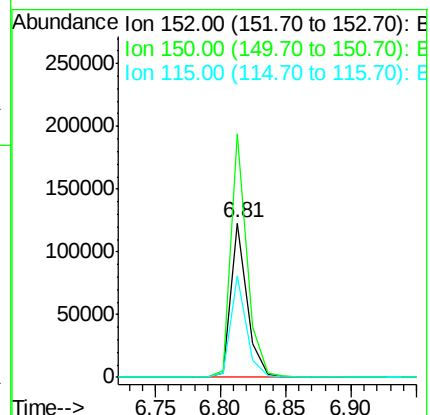
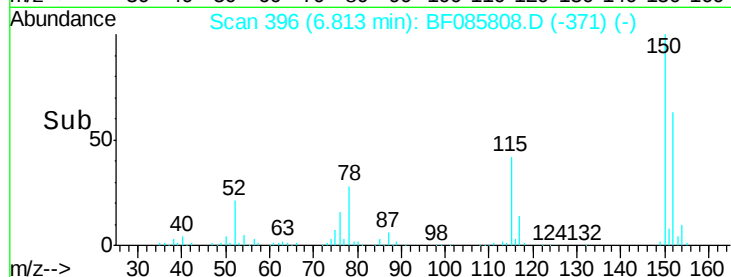
115 65.5 47.0 70.6



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: 105.03 ng

RT: 5.42 min Scan# 274

Delta R.T. 0.01 min

Lab File: BF085808.D

Acq: 28 Mar 2016 18:22

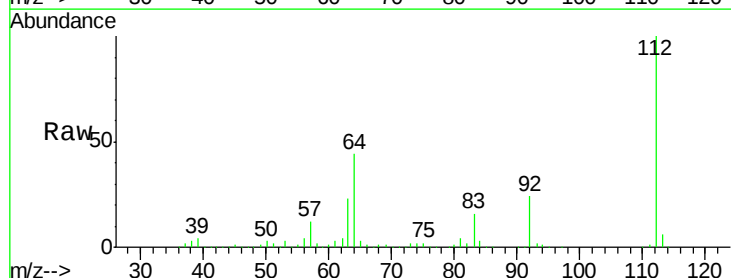
Tgt Ion:112 Resp: 675583

Ion Ratio Lower Upper

112 100

64 44.3 39.9 59.9

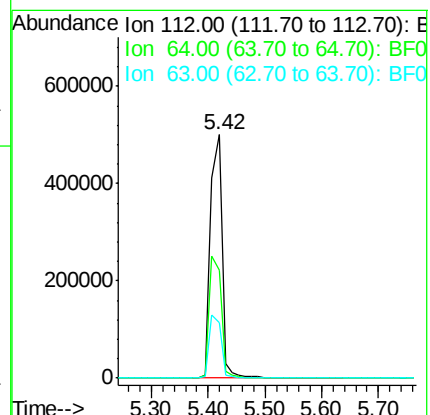
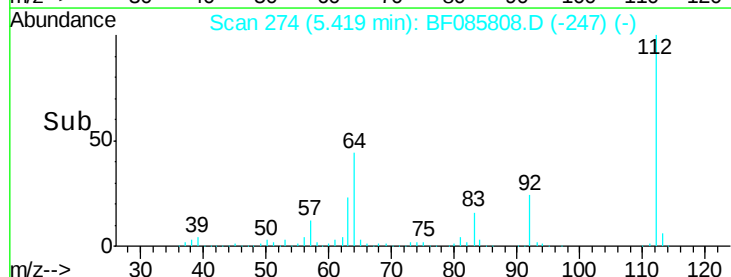
63 22.7 20.2 30.2



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: 92.48 ng

RT: 6.45 min Scan# 364

Delta R.T. -0.01 min

Lab File: BF085808.D

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PB89183BL

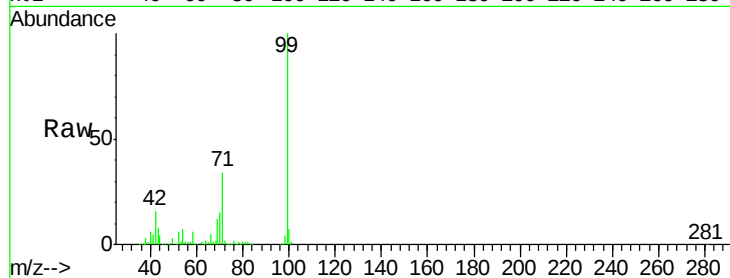
Tgt Ion: 99 Resp: 756299

Ion Ratio Lower Upper

99 100

42 16.2 11.1 16.7

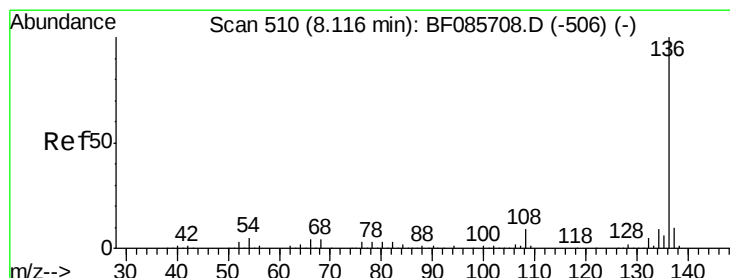
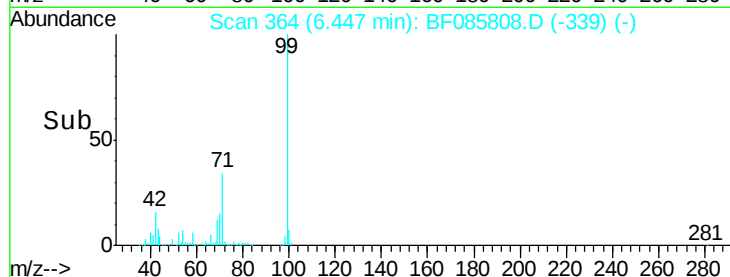
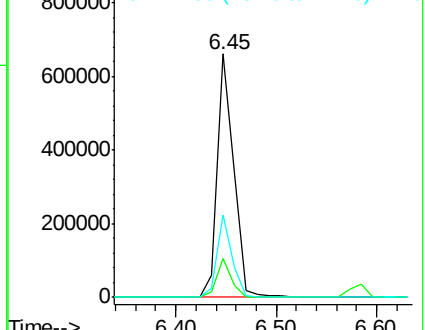
71 33.8 24.9 37.3



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: 8.10 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF085808.D

Acq: 28 Mar 2016 18:22

Tgt Ion: 136 Resp: 417076

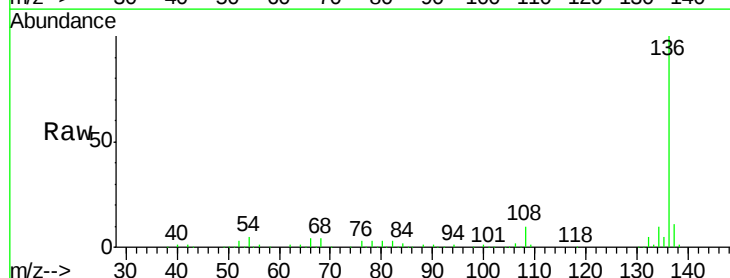
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 5.1 7.4 11.0#

68 4.4 5.8 8.8#

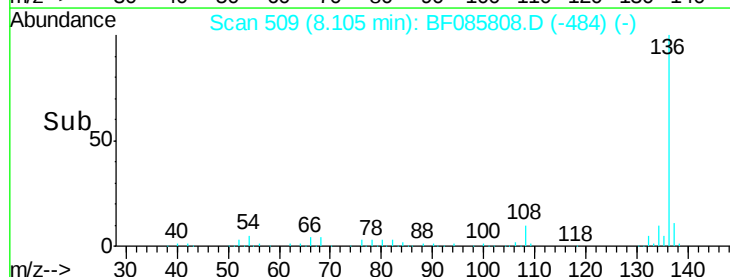
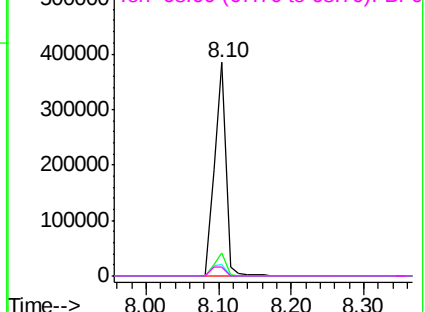


Abundance Ion 136.00 (135.70 to 136.70): E

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

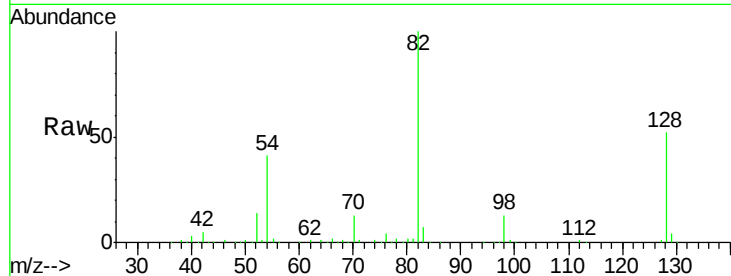




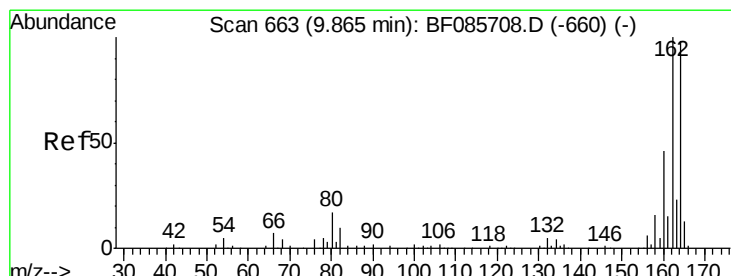
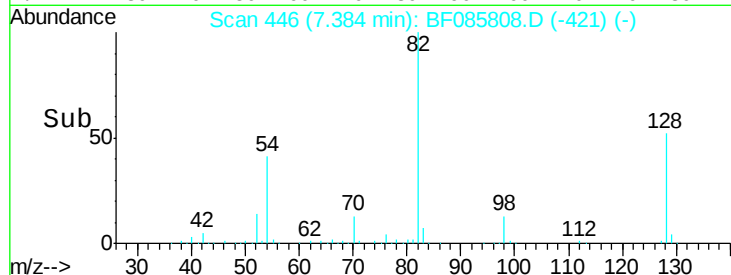
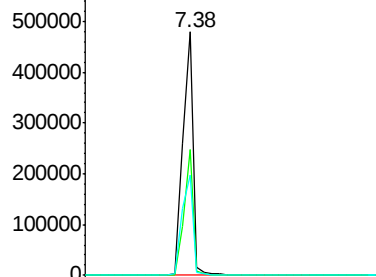
#23  
 Nitrobenzene-d5  
 Concen: 72.15 ng  
 RT: 7.38 min Scan# 446  
 Delta R.T. -0.01 min  
 Lab File: BF085808.D  
 Acq: 28 Mar 2016 18:22

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Tgt Ion: 82 Resp: 534359  
 Ion Ratio Lower Upper  
 82 100  
 128 51.6 41.8 62.8  
 54 41.3 33.4 50.0

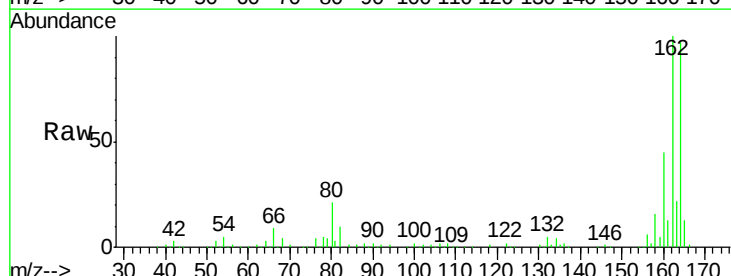


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

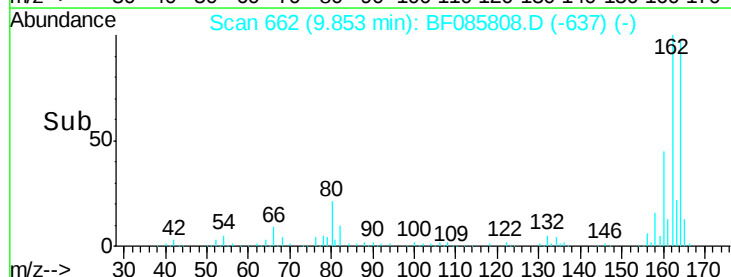
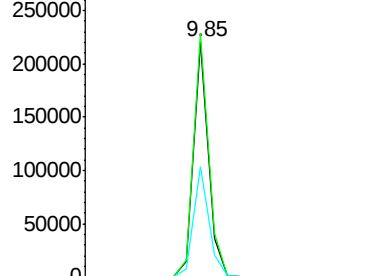


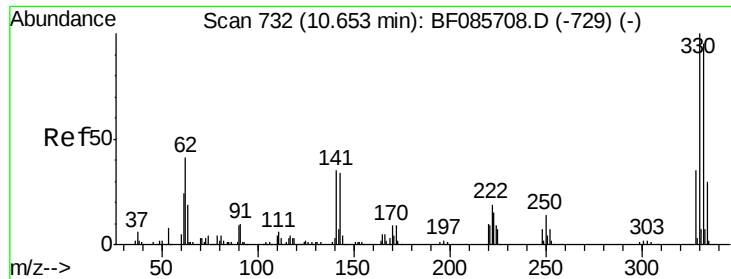
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.85 min Scan# 662  
 Delta R.T. -0.01 min  
 Lab File: BF085808.D  
 Acq: 28 Mar 2016 18:22

Tgt Ion: 164 Resp: 188640  
 Ion Ratio Lower Upper  
 164 100  
 162 103.5 82.1 123.1  
 160 46.9 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

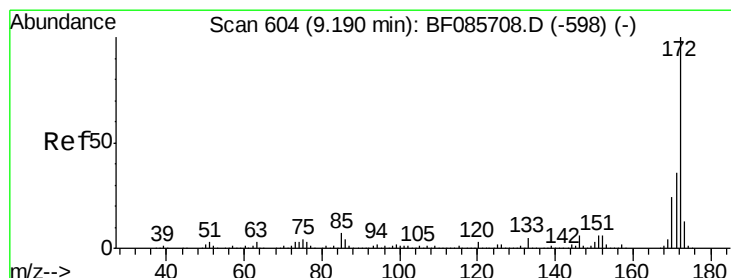
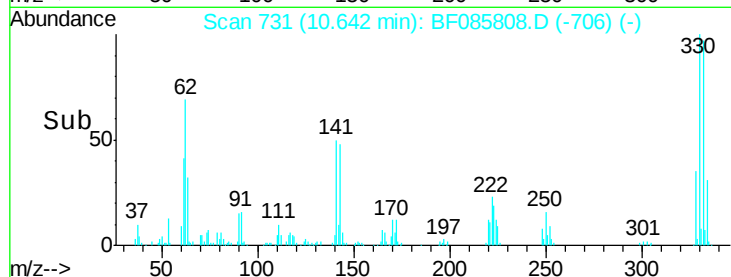
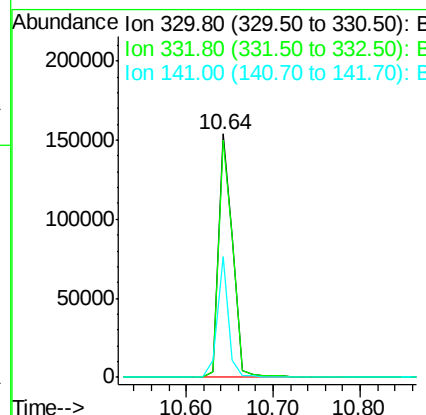
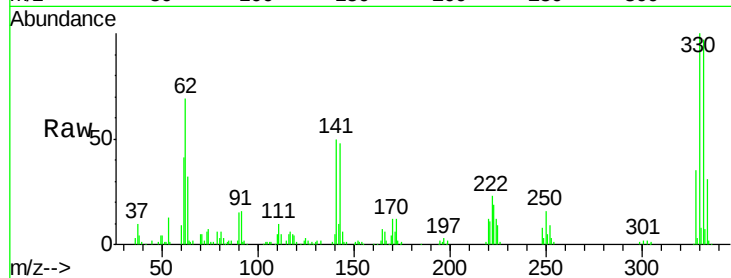




#41  
 2,4,6-Tribromophenol  
 Concen: 98.50 ng  
 RT: 10.64 min Scan# 731  
 Delta R.T. -0.01 min  
 Lab File: BF085808.D  
 Acq: 28 Mar 2016 18:22

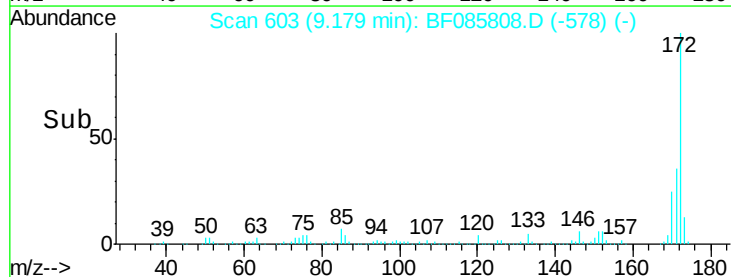
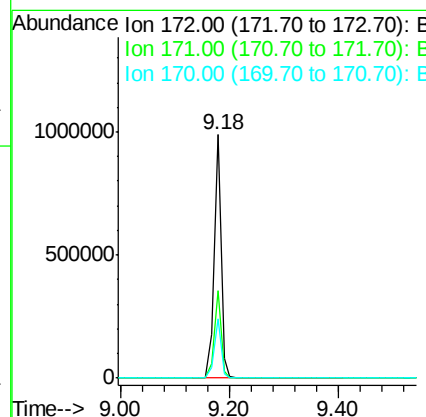
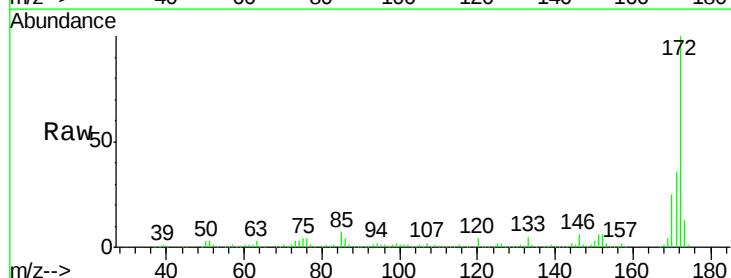
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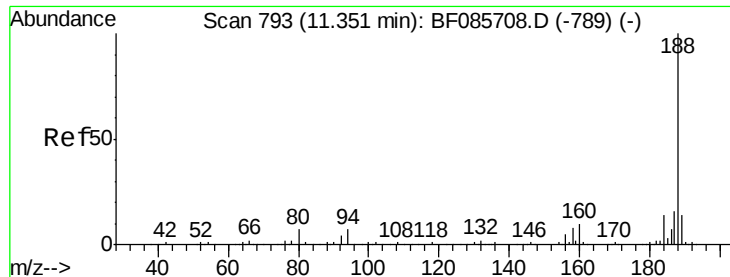
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.0  | 78.2  | 117.2 |
| 141     | 39.6  | 31.5  | 47.3  |



#44  
 2-Fluorobiphenyl  
 Concen: 76.98 ng  
 RT: 9.18 min Scan# 603  
 Delta R.T. -0.01 min  
 Lab File: BF085808.D  
 Acq: 28 Mar 2016 18:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 29.4  | 44.2  |
| 170     | 24.5  | 19.8  | 29.6  |

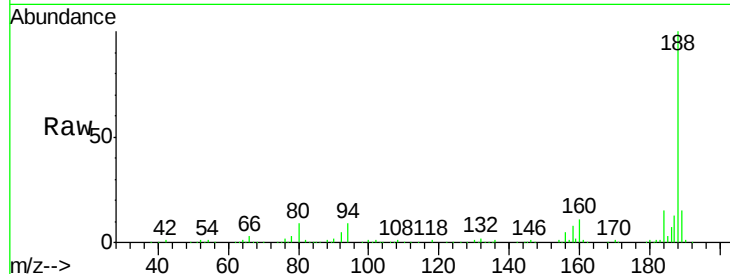




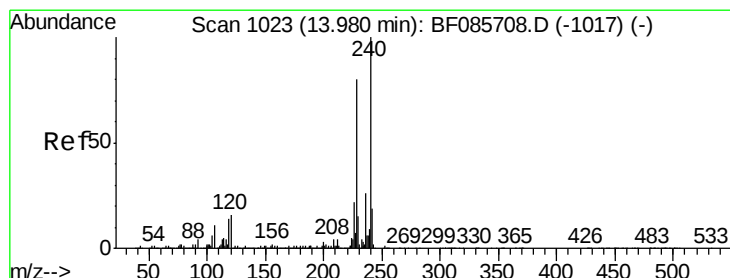
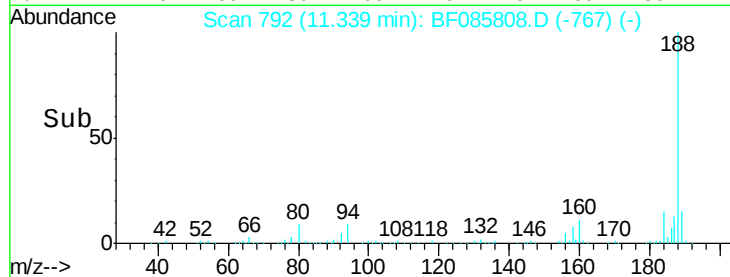
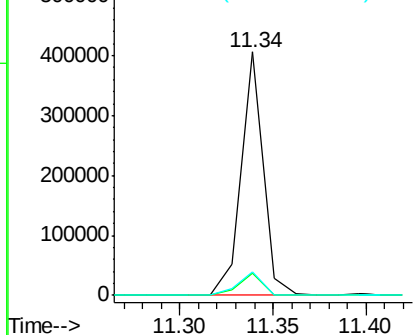
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.34 min Scan# 792  
Delta R.T. -0.01 min  
Lab File: BF085808.D  
Acq: 28 Mar 2016 18:22

Instrument :  
BNA\_F  
ClientSampleId :  
PB89183BL

Tgt Ion:188 Resp: 338546  
Ion Ratio Lower Upper  
188 100  
94 9.1 5.4 8.0#  
80 9.4 5.5 8.3#

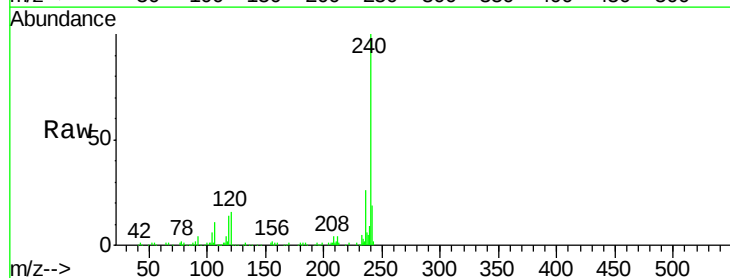


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

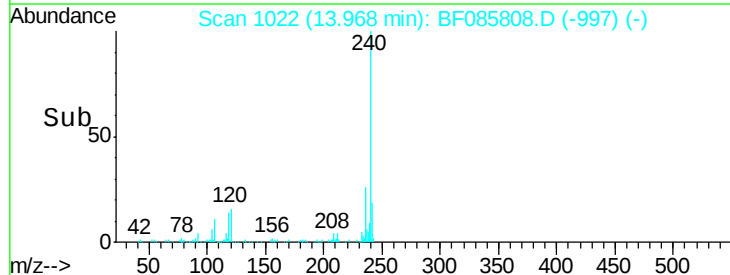
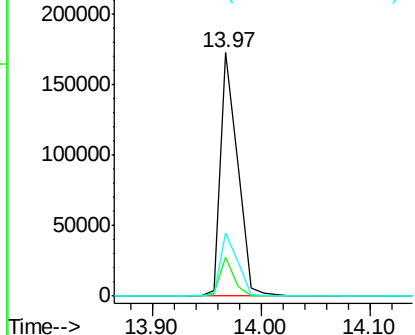


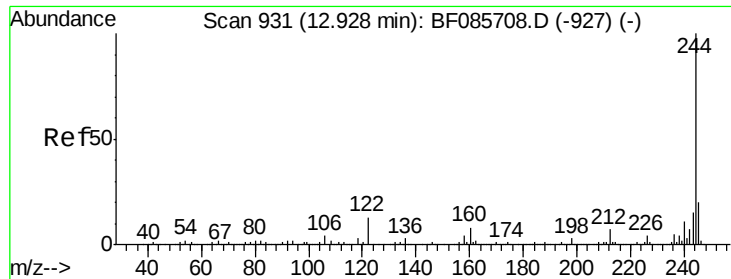
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.97 min Scan# 1022  
Delta R.T. -0.01 min  
Lab File: BF085808.D  
Acq: 28 Mar 2016 18:22

Tgt Ion:240 Resp: 190879  
Ion Ratio Lower Upper  
240 100  
120 16.2 13.8 20.8  
236 25.7 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

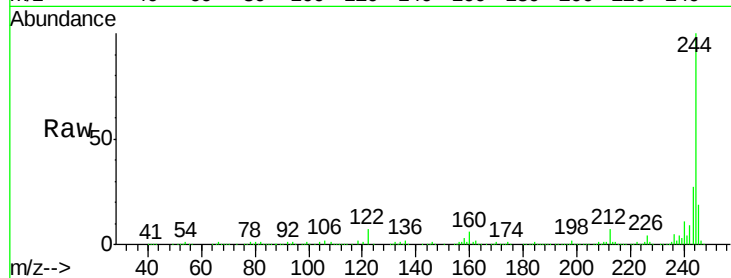




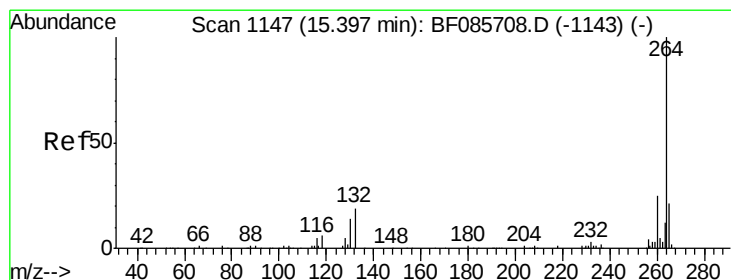
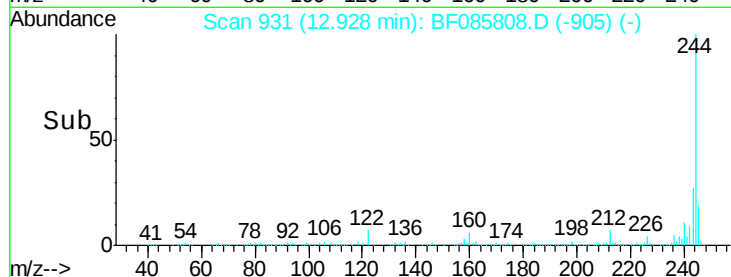
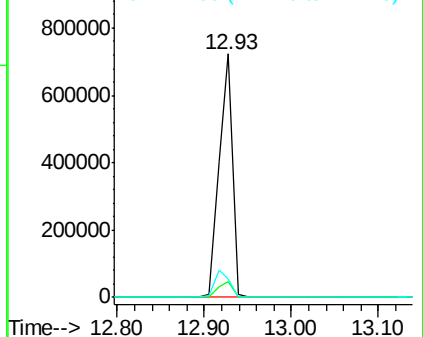
#78  
 Terphenyl-d14  
 Concen: 85.09 ng  
 RT: 12.93 min Scan# 931  
 Delta R.T. -0.00 min  
 Lab File: BF085808.D  
 Acq: 28 Mar 2016 18:22

Instrument :  
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 PB89183BL

Tgt Ion:244 Resp: 789794  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 6.1 9.1  
 122 7.4 10.2 15.4#

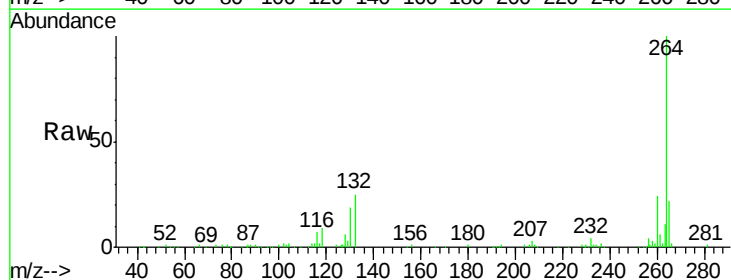


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.39 min Scan# 1146  
 Delta R.T. -0.01 min  
 Lab File: BF085808.D  
 Acq: 28 Mar 2016 18:22

Tgt Ion:264 Resp: 173154  
 Ion Ratio Lower Upper  
 264 100  
 260 24.4 19.4 29.2  
 265 22.2 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

