

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032816\  
 Data File : BF085833.D  
 Acq On : 29 Mar 2016 6:09  
 Operator : UM/SJ  
 Sample : H1942-11  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-929(0.3N)COMP

Quant Time: Mar 29 07:07:08 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  | 115164   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.10  | 136  | 444141   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.85  | 164  | 192521   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.34 | 188  | 338582   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.97 | 240  | 200478   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.39 | 264  | 184879   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.43  | 112  | 818536   | 118.37 | ng    | 0.02     |
| 7) Phenol-d6                | 6.46  | 99   | 996114   | 113.30 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 712964   | 90.40  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.64 | 330  | 226314   | 123.73 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.18  | 172  | 1059096  | 91.91  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.93 | 244  | 922873   | 94.67  | ng    | 0.00     |

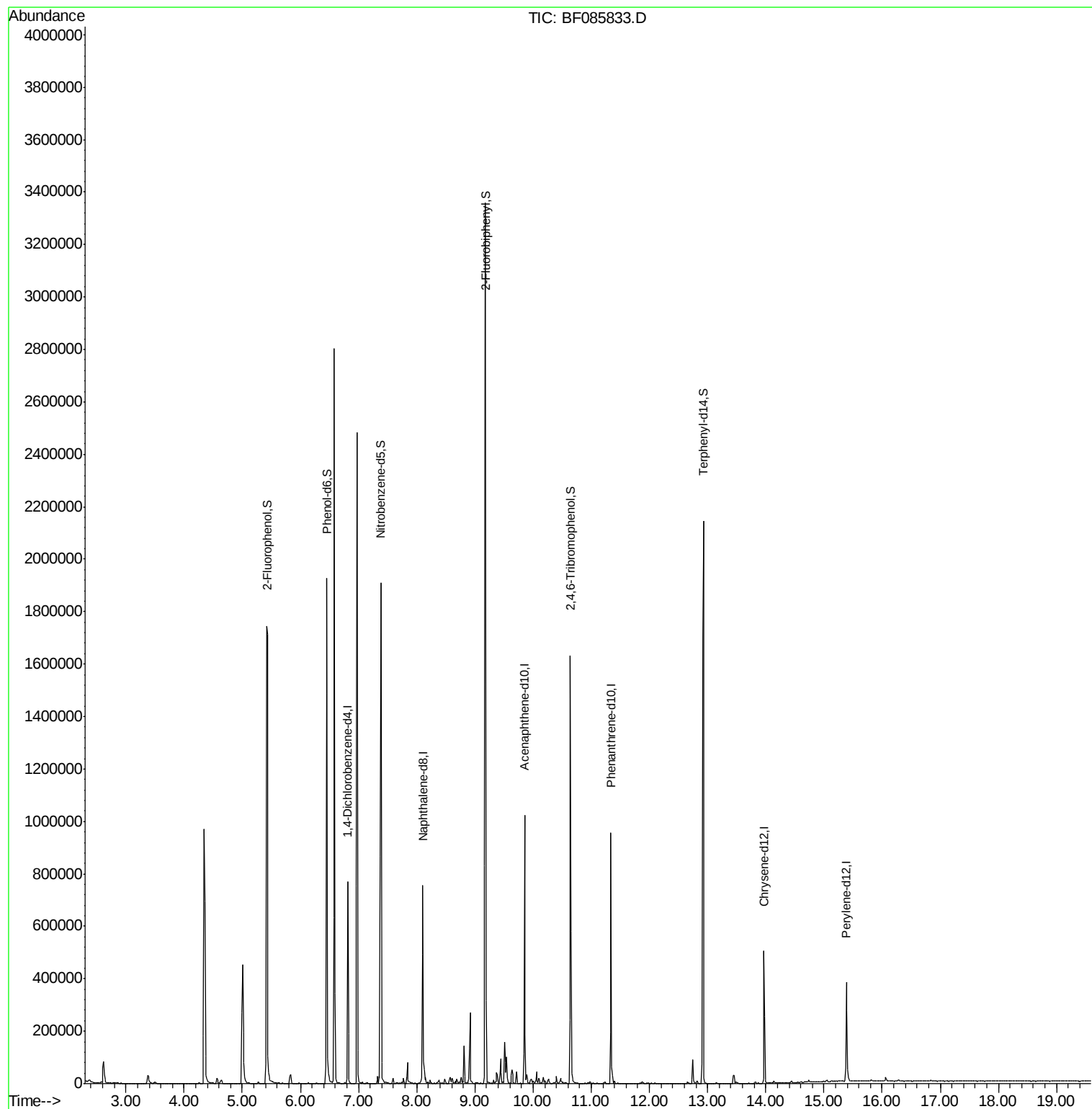
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

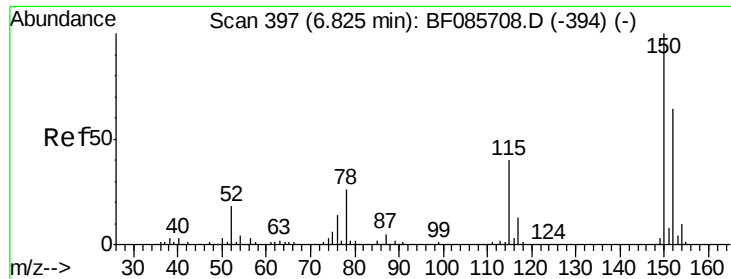
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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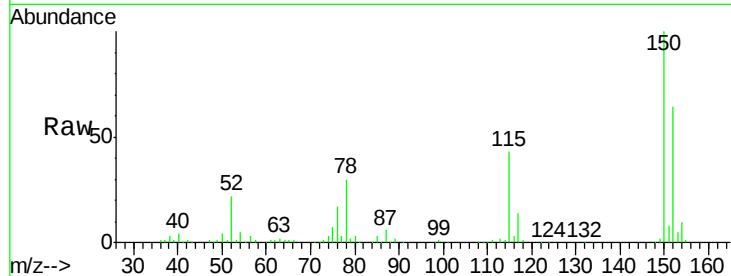




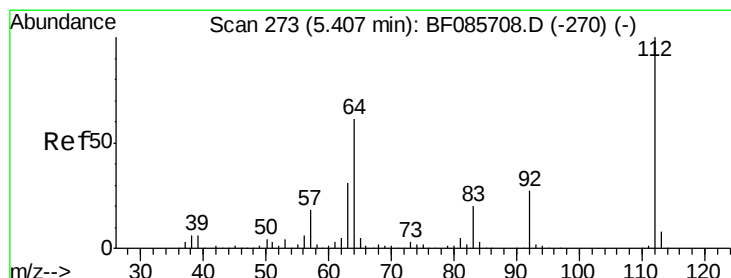
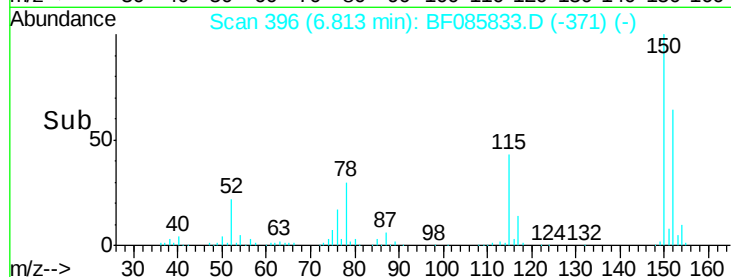
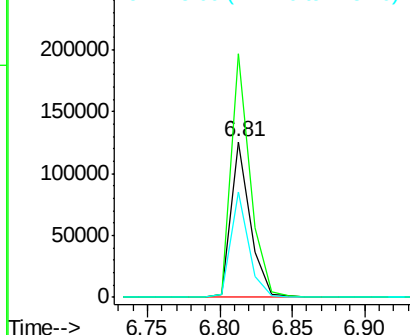
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.81 min Scan# 396  
 Delta R.T. -0.01 min  
 Lab File: BF085833.D  
 Acq: 29 Mar 2016 6:09

Instrument :  
 BNA\_F  
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 B-929(0.3N)COMP

Tgt Ion:152 Resp: 115164  
 Ion Ratio Lower Upper  
 152 100  
 150 156.5 124.2 186.2  
 115 67.7 47.0 70.6

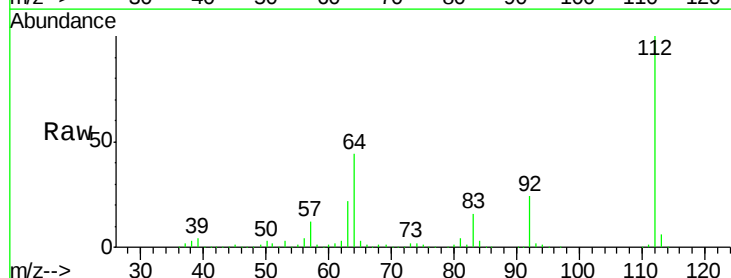


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

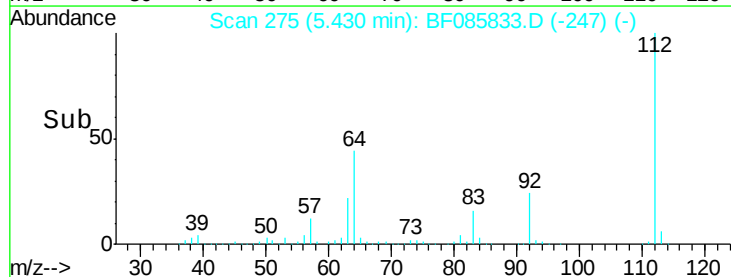
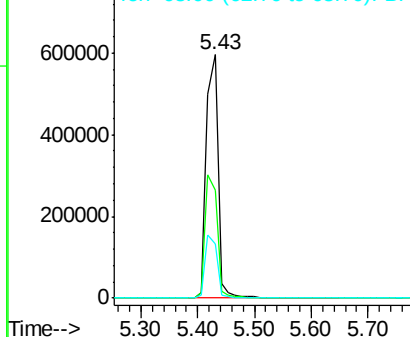


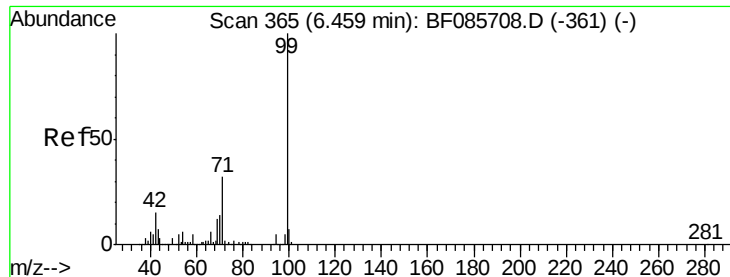
#5  
 2-Fluorophenol  
 Concen: 118.37 ng  
 RT: 5.43 min Scan# 275  
 Delta R.T. 0.02 min  
 Lab File: BF085833.D  
 Acq: 29 Mar 2016 6:09

Tgt Ion:112 Resp: 818536  
 Ion Ratio Lower Upper  
 112 100  
 64 44.2 39.9 59.9  
 63 22.4 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: 113.30 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085833.D

Acq: 29 Mar 2016 6:09

Instrument :

BNA\_F

ClientSampleId :

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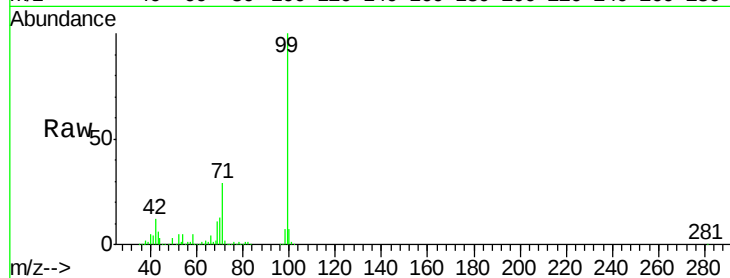
Tgt Ion: 99 Resp: 996114

Ion Ratio Lower Upper

99 100

42 12.4 11.1 16.7

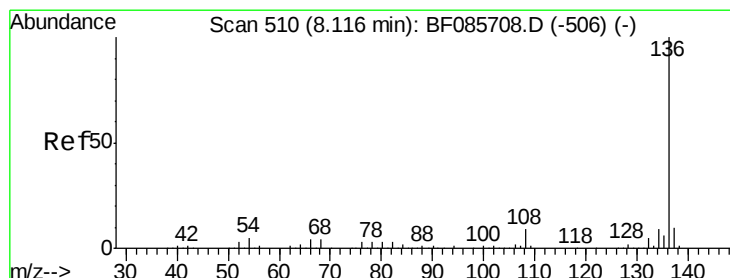
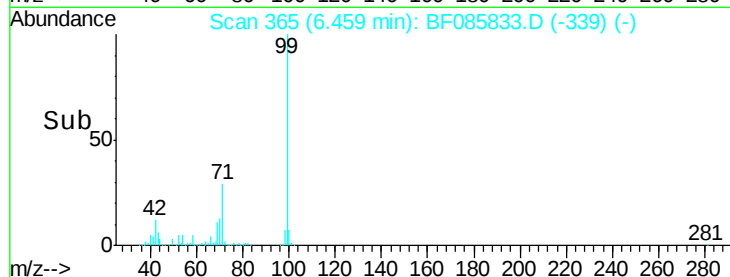
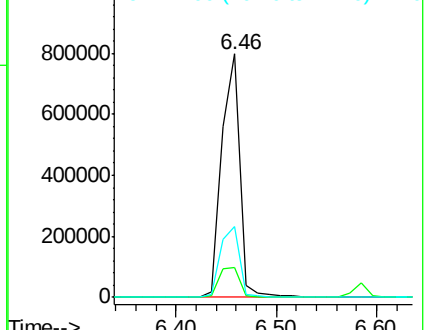
71 29.2 24.9 37.3



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: BF085833.D

Acq: 29 Mar 2016 6:09

Tgt Ion: 136 Resp: 444141

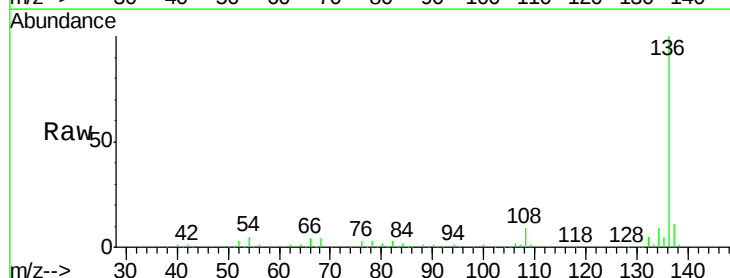
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 5.1 7.4 11.0#

68 4.2 5.8 8.8#

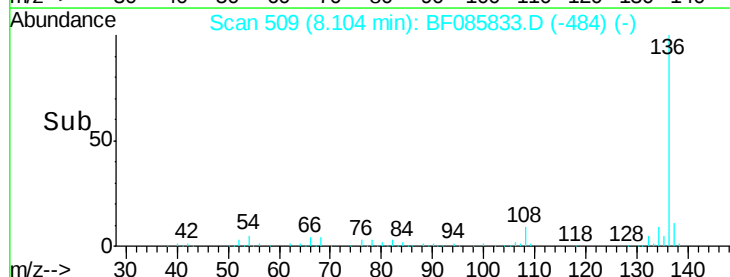
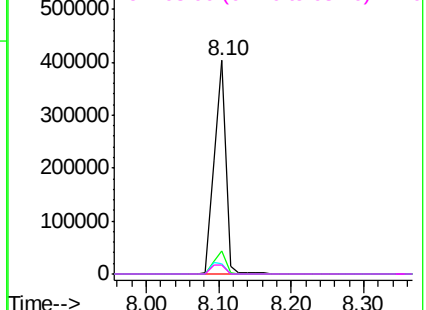


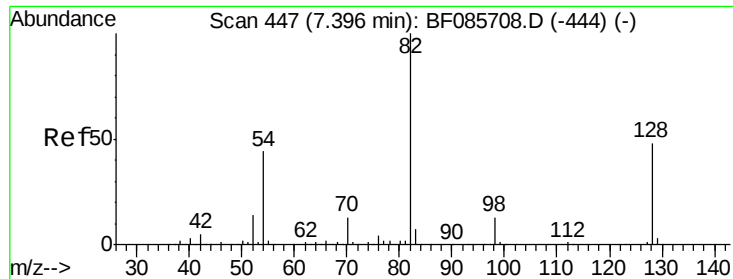
Abundance Ion 136.00 (135.70 to 136.70): E

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

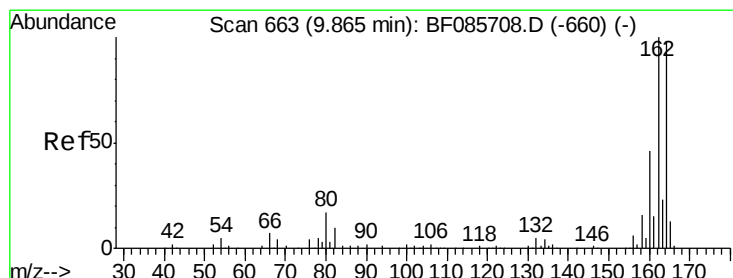
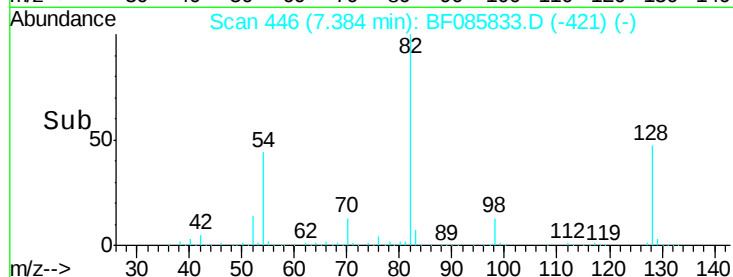
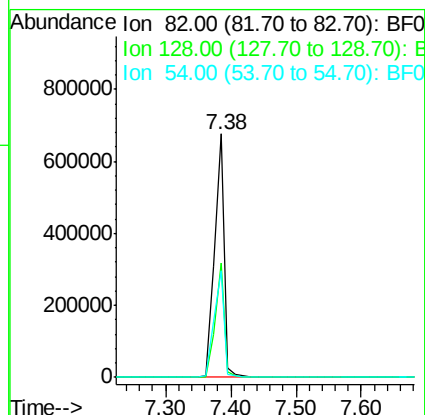
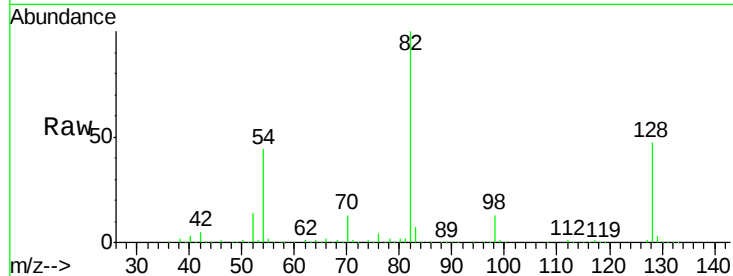




#23  
 Nitrobenzene-d5  
 Concen: 90.40 ng  
 RT: 7.38 min Scan# 446  
 Delta R.T. -0.01 min  
 Lab File: BF085833.D  
 Acq: 29 Mar 2016 6:09

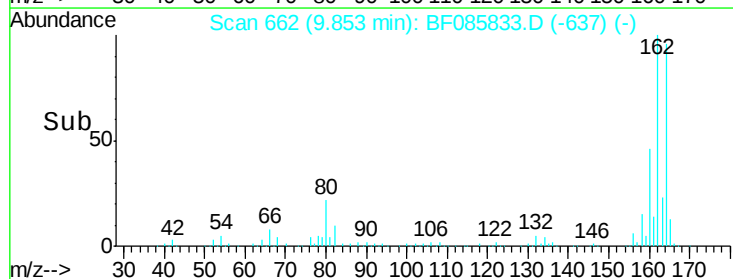
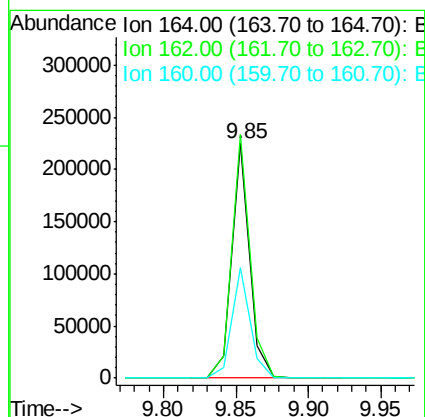
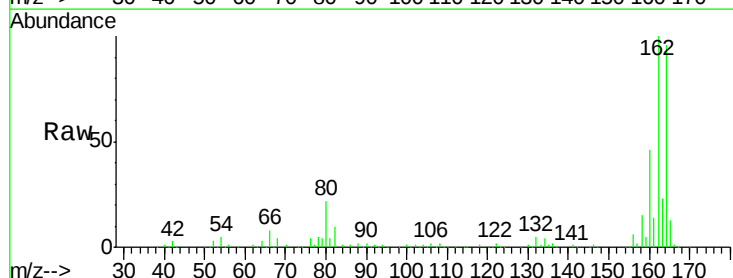
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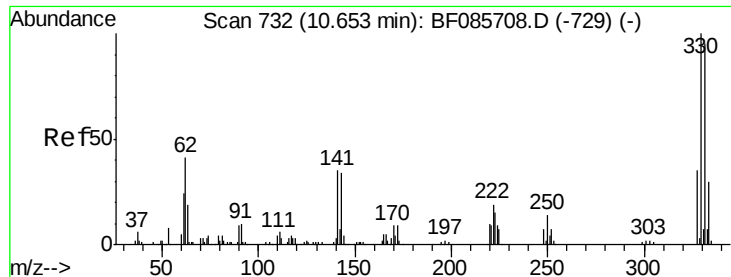
Tgt Ion: 82 Resp: 712964  
 Ion Ratio Lower Upper  
 82 100  
 128 46.9 41.8 62.8  
 54 43.6 33.4 50.0



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.85 min Scan# 662  
 Delta R.T. -0.01 min  
 Lab File: BF085833.D  
 Acq: 29 Mar 2016 6:09

Tgt Ion: 164 Resp: 192521  
 Ion Ratio Lower Upper  
 164 100  
 162 103.8 82.1 123.1  
 160 47.3 37.4 56.2

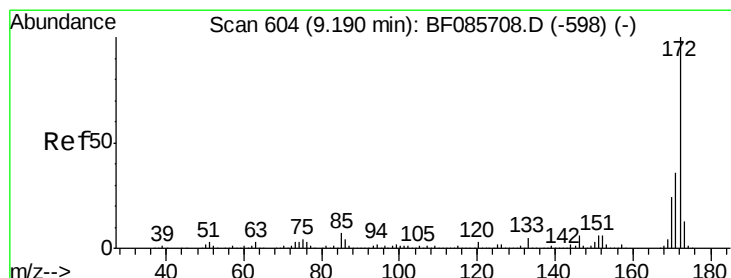
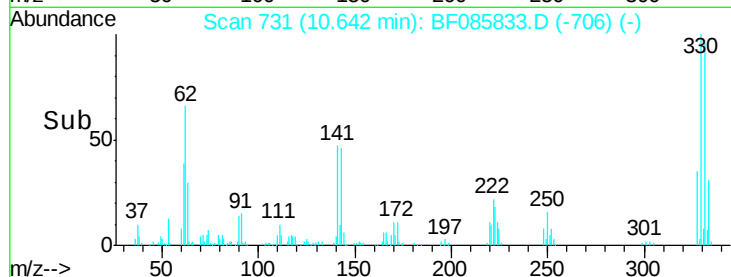
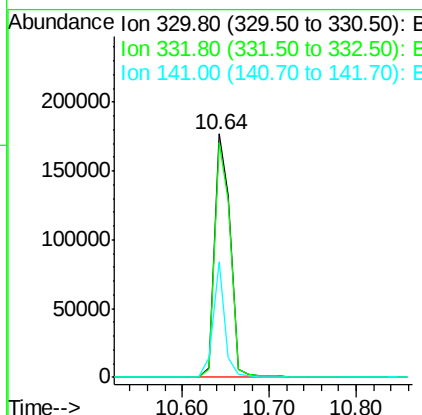
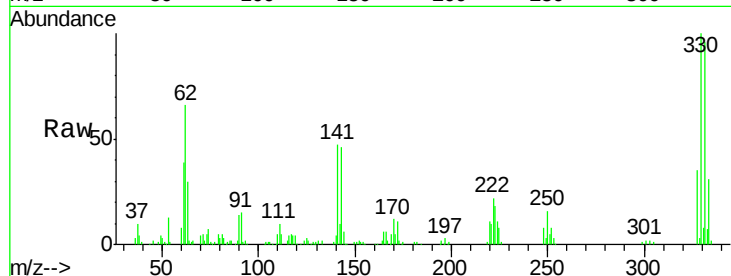




#41  
 2,4,6-Tribromophenol  
 Concen: 123.73 ng  
 RT: 10.64 min Scan# 731  
 Delta R.T. -0.01 min  
 Lab File: BF085833.D  
 Acq: 29 Mar 2016 6:09

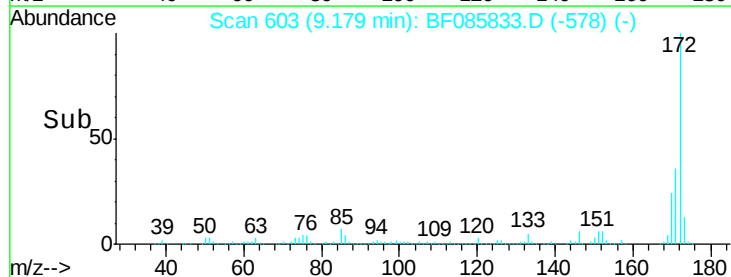
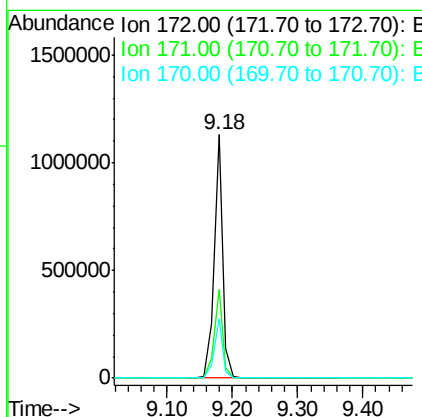
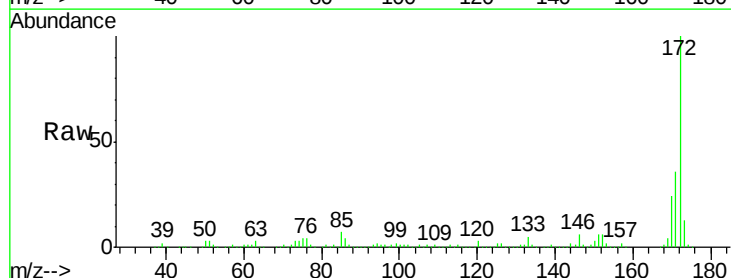
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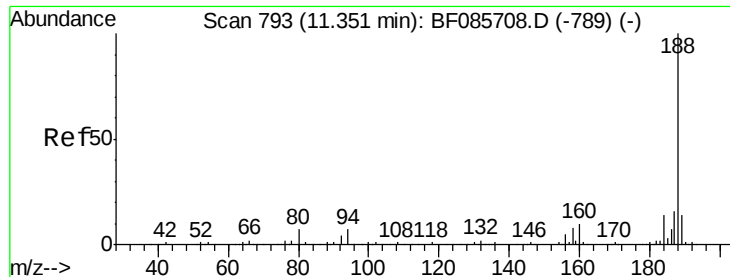
Tgt Ion:330 Resp: 226314  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 78.2 117.2  
 141 35.7 31.5 47.3



#44  
 2-Fluorobiphenyl  
 Concen: 91.91 ng  
 RT: 9.18 min Scan# 603  
 Delta R.T. -0.01 min  
 Lab File: BF085833.D  
 Acq: 29 Mar 2016 6:09

Tgt Ion:172 Resp: 1059096  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 29.4 44.2  
 170 24.2 19.8 29.6

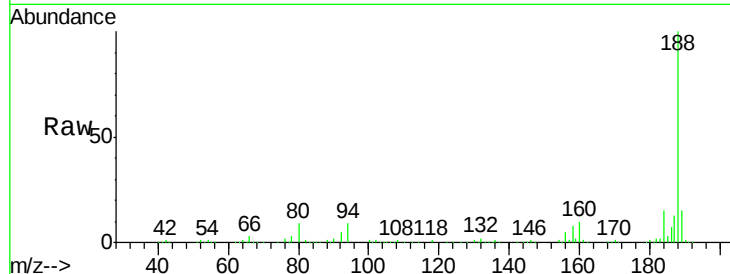




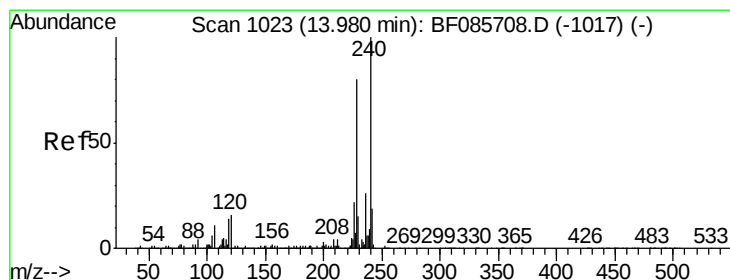
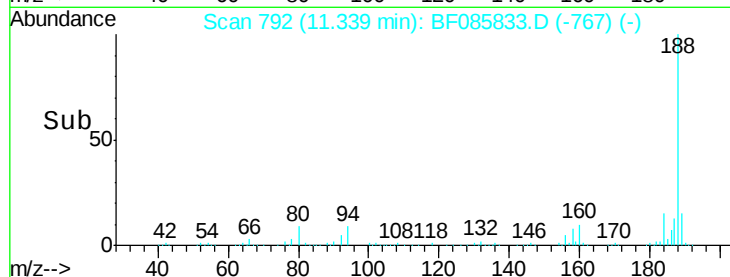
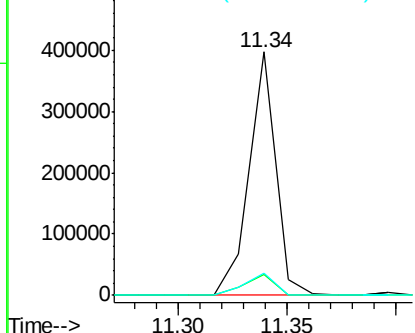
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.34 min Scan# 792  
Delta R.T. -0.01 min  
Lab File: BF085833.D  
Acq: 29 Mar 2016 6:09

Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:188 Resp: 338582  
Ion Ratio Lower Upper  
188 100  
94 8.6 5.4 8.0#  
80 8.9 5.5 8.3#

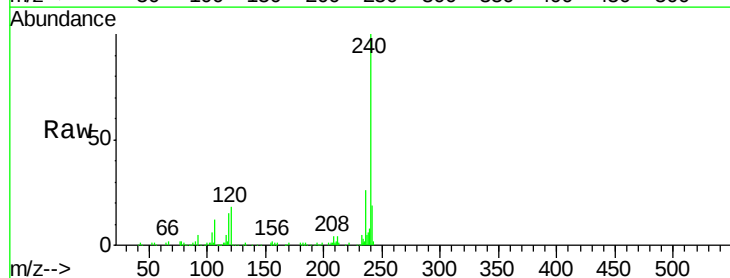


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

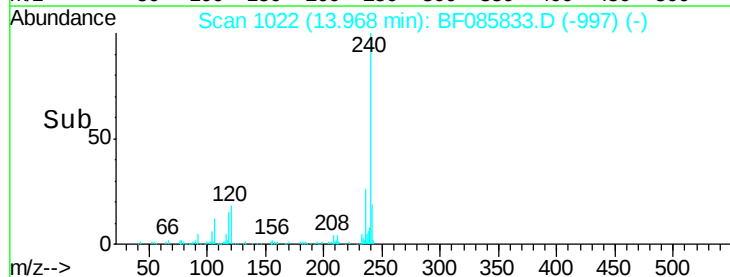
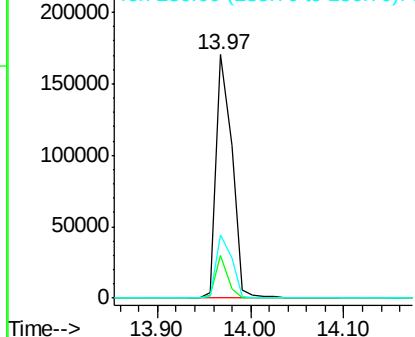


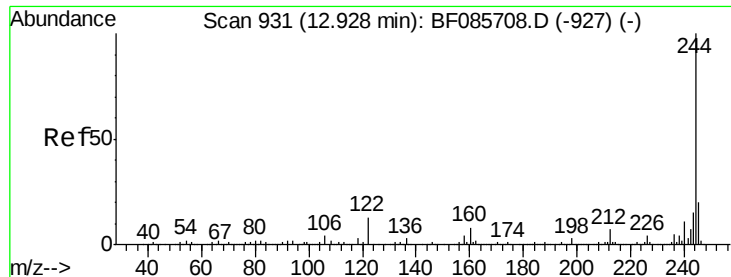
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.97 min Scan# 1022  
Delta R.T. -0.01 min  
Lab File: BF085833.D  
Acq: 29 Mar 2016 6:09

Tgt Ion:240 Resp: 200478  
Ion Ratio Lower Upper  
240 100  
120 17.7 13.8 20.8  
236 26.1 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

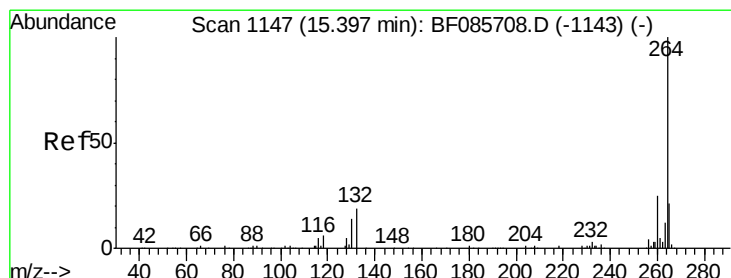
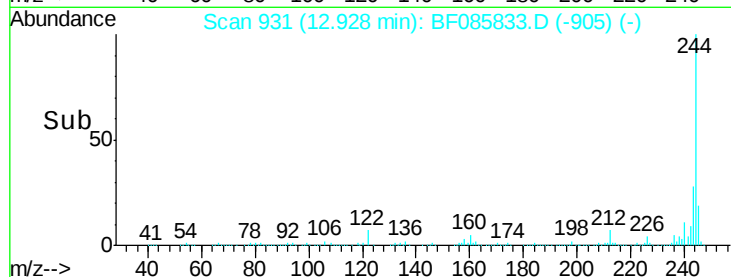
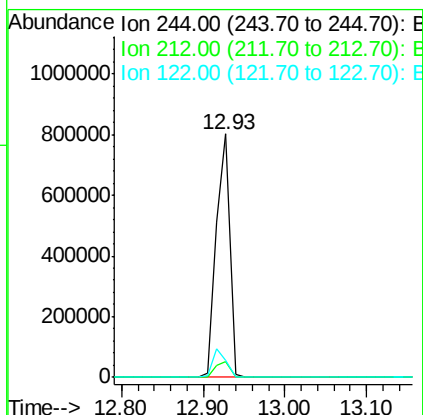
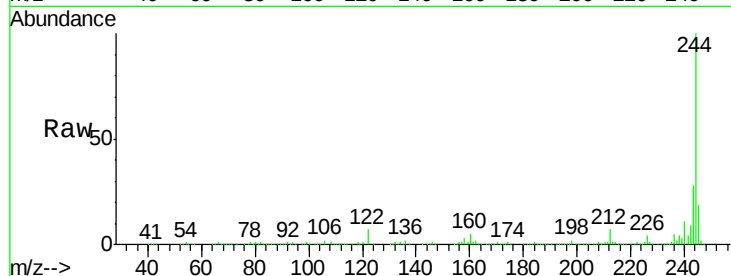




#78  
 Terphenyl-d14  
 Concen: 94.67 ng  
 RT: 12.93 min Scan# 931  
 Delta R.T. -0.00 min  
 Lab File: BF085833.D  
 Acq: 29 Mar 2016 6:09

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Tgt Ion:244 Resp: 922873  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 6.1 9.1  
 122 6.9 10.2 15.4#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.39 min Scan# 1146  
 Delta R.T. -0.01 min  
 Lab File: BF085833.D  
 Acq: 29 Mar 2016 6:09

Tgt Ion:264 Resp: 184879  
 Ion Ratio Lower Upper  
 264 100  
 260 24.7 19.4 29.2  
 265 21.2 17.2 25.8

