

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF030916\  
 Data File : BF085301.D  
 Acq On : 9 Mar 2016 16:15  
 Operator : UM/SJ  
 Sample : H1623-01  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HSR-WC-28-022516

Quant Time: Mar 10 00:16:22 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 04 00:54:58 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.95  | 152  | 206400   | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 8.23  | 136  | 709921   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 9.99  | 164  | 351573   | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10        | 11.48 | 188  | 694064   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12            | 14.12 | 240  | 466552   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 15.57 | 264  | 301452   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.58  | 112  | 1498257  | 121.76 | ng    | 0.00     |
| 7) Phenol-d6                | 6.58  | 99   | 1642352  | 101.88 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.51  | 82   | 1075776  | 81.09  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 10.78 | 330  | 487452   | 162.04 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 9.32  | 172  | 2094573  | 90.61  | ng    | -0.03    |
| 78) Terphenyl-d14           | 13.07 | 244  | 1908490  | 94.96  | ng    | -0.02    |

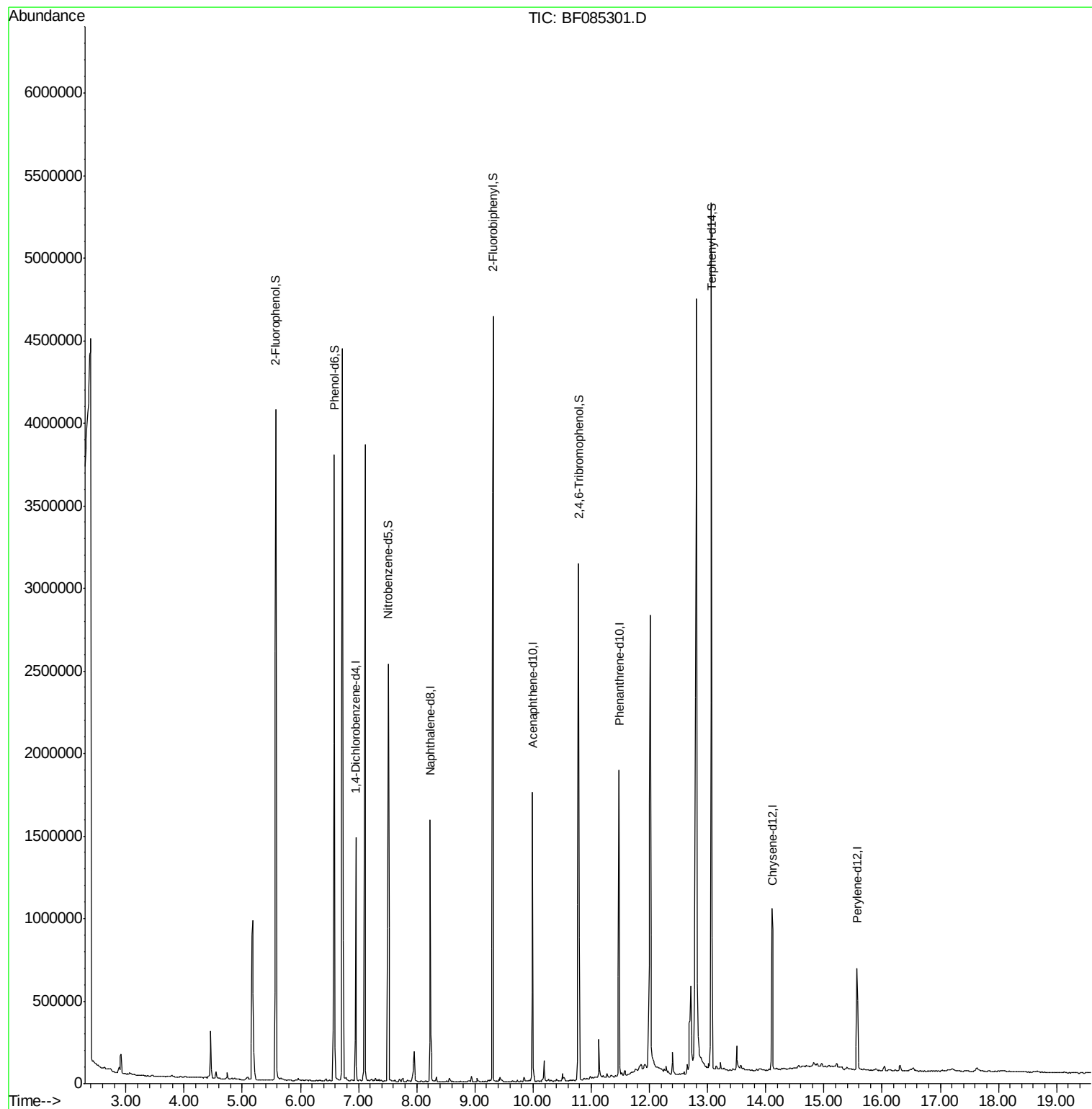
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

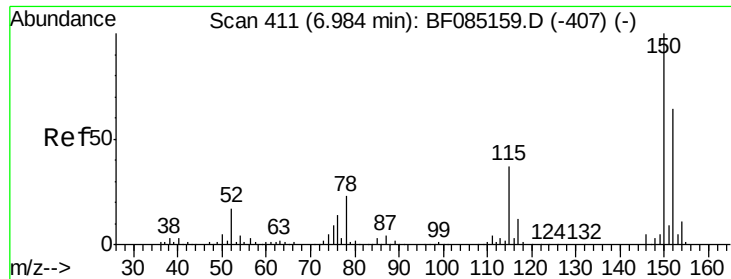
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Mar 04 00:54:58 2016  
Response via : Initial Calibration

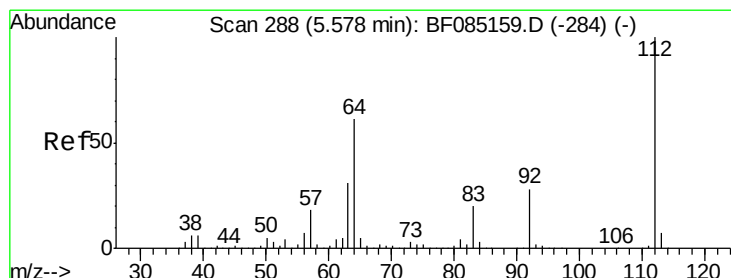
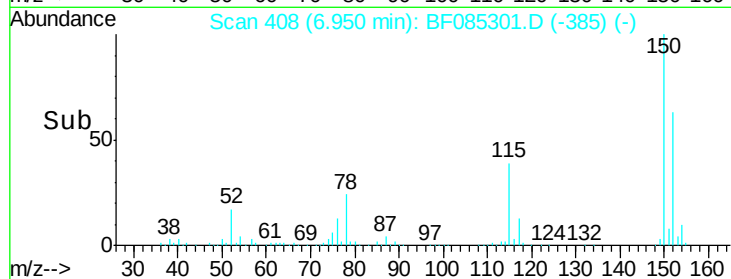
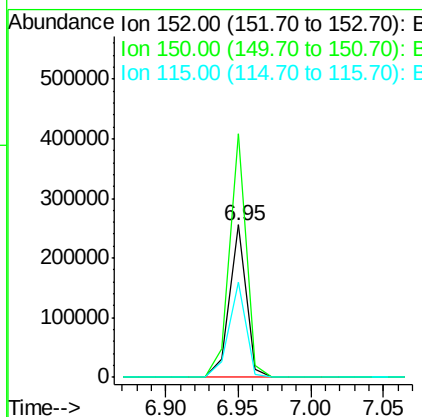
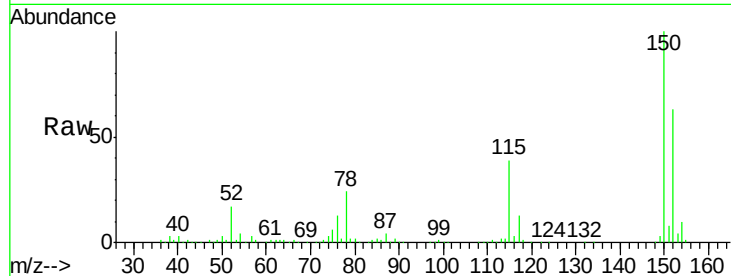




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.95 min Scan# 408  
 Delta R.T. -0.03 min  
 Lab File: BF085301.D  
 Acq: 9 Mar 2016 16:15

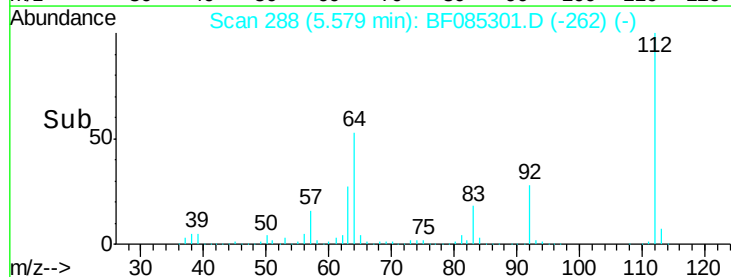
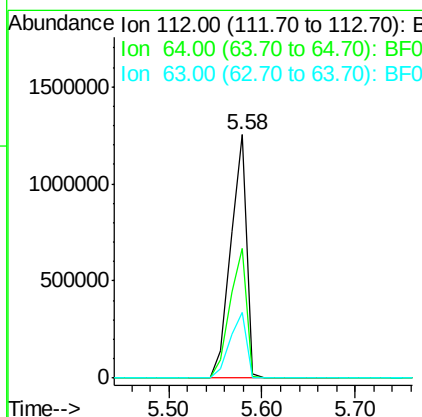
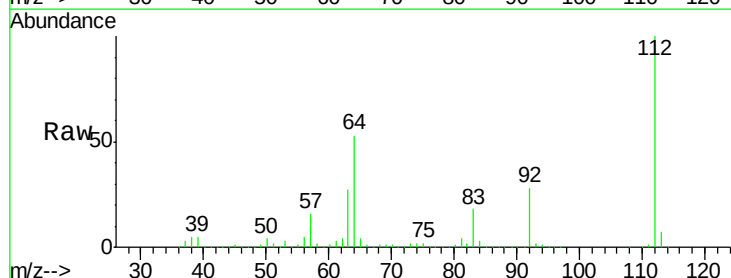
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HSR-WC-28-022516

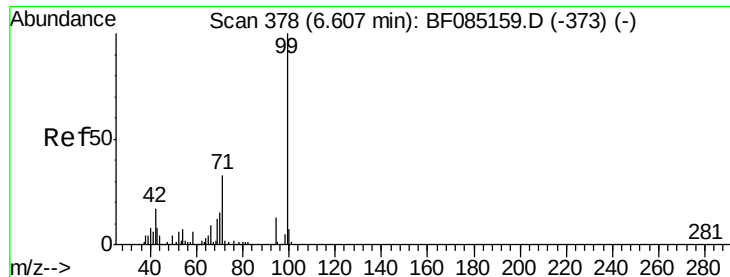
Tgt Ion:152 Resp: 206400  
 Ion Ratio Lower Upper  
 152 100  
 150 159.5 124.6 186.8  
 115 62.3 46.6 70.0



#5  
 2-Fluorophenol  
 Concen: 121.76 ng  
 RT: 5.58 min Scan# 288  
 Delta R.T. 0.00 min  
 Lab File: BF085301.D  
 Acq: 9 Mar 2016 16:15

Tgt Ion:112 Resp: 1498257  
 Ion Ratio Lower Upper  
 112 100  
 64 53.2 49.0 73.4  
 63 27.2 24.8 37.2





#7

Phenol-d6

Concen: 101.88 ng

RT: 6.58 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF085301.D

Acq: 9 Mar 2016 16:15

Instrument :

BNA\_F

ClientSampleId :

HSR-WC-28-022516

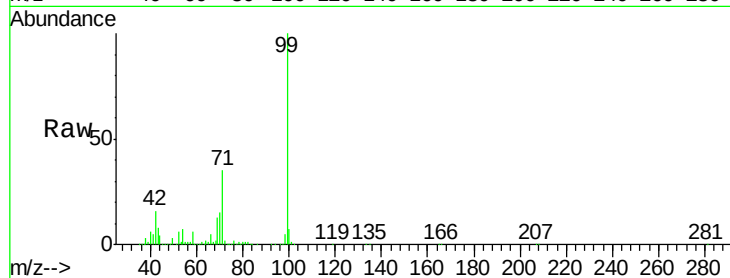
Tgt Ion: 99 Resp: 1642352

Ion Ratio Lower Upper

99 100

42 16.4 13.6 20.4

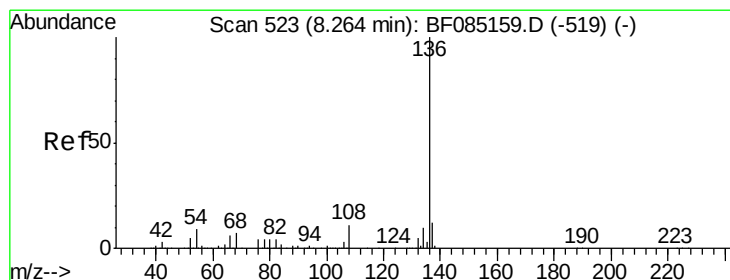
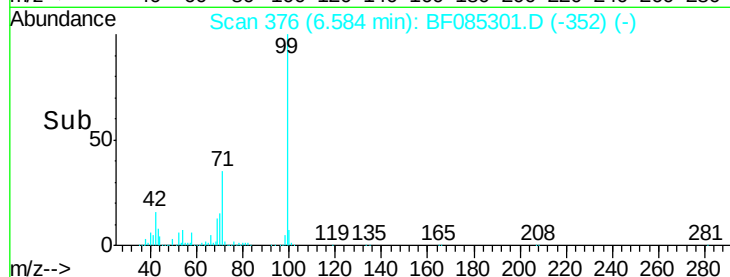
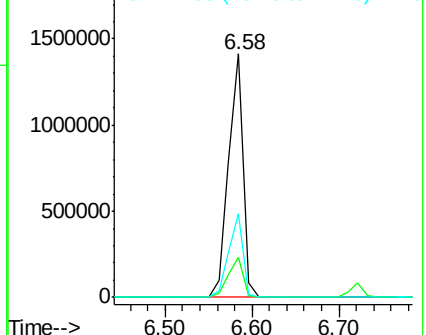
71 34.6 26.7 40.1



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: 8.23 min Scan# 520

Delta R.T. -0.03 min

Lab File: BF085301.D

Acq: 9 Mar 2016 16:15

Tgt Ion: 136 Resp: 709921

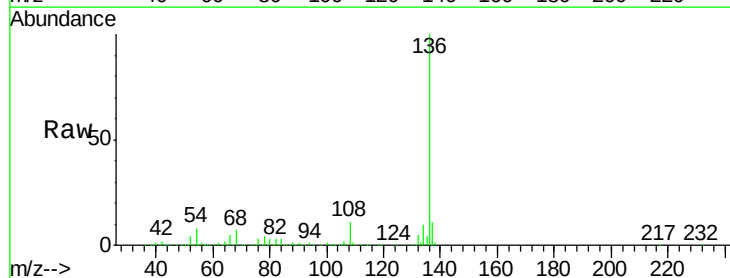
Ion Ratio Lower Upper

136 100

137 11.1 9.3 13.9

54 7.6 7.4 11.2

68 6.6 6.0 9.0

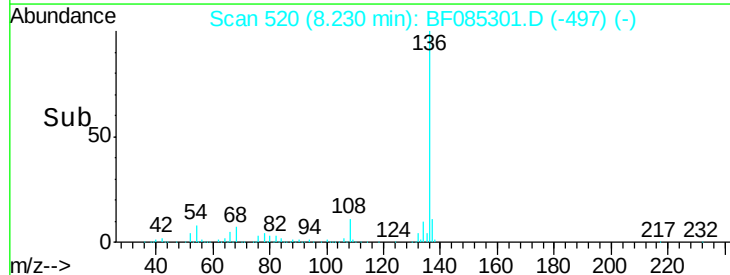
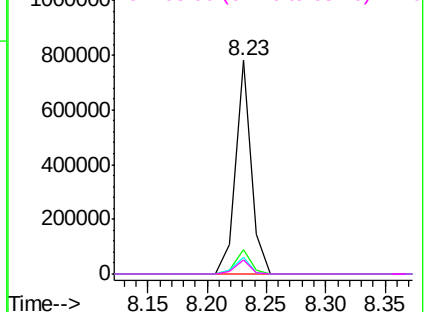


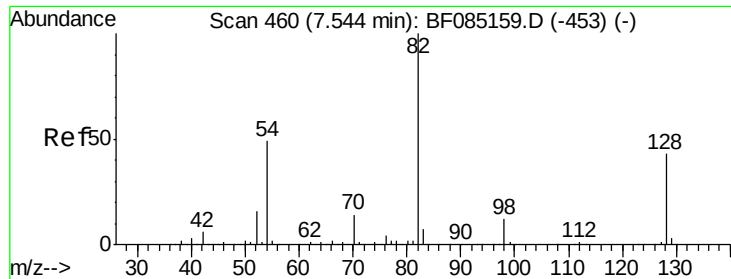
Abundance Ion 136.00 (135.70 to 136.70): E

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

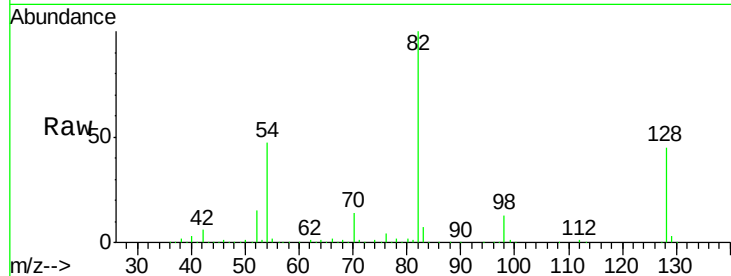




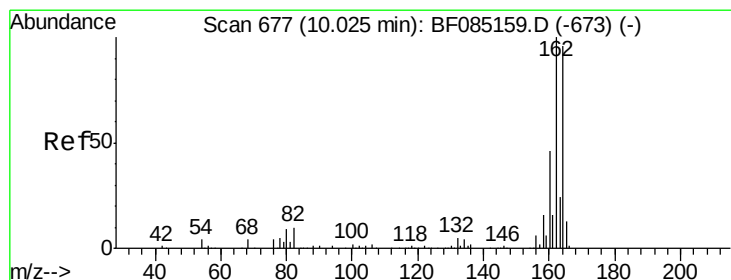
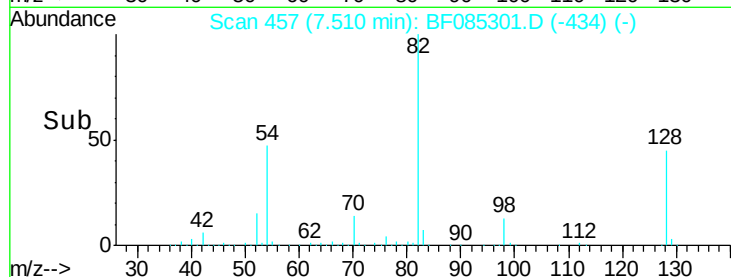
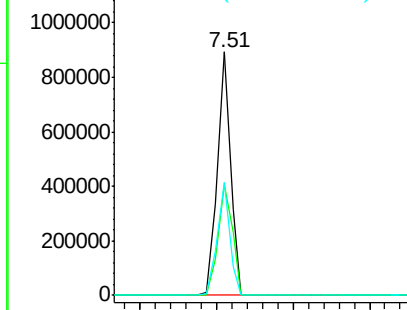
#23  
 Nitrobenzene-d5  
 Concen: 81.09 ng  
 RT: 7.51 min Scan# 457  
 Delta R.T. -0.03 min  
 Lab File: BF085301.D  
 Acq: 9 Mar 2016 16:15

Instrument :  
 BNA\_F  
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 HSR-WC-28-022516

Tgt Ion: 82 Resp: 1075776  
 Ion Ratio Lower Upper  
 82 100  
 128 45.4 34.5 51.7  
 54 46.7 39.3 58.9

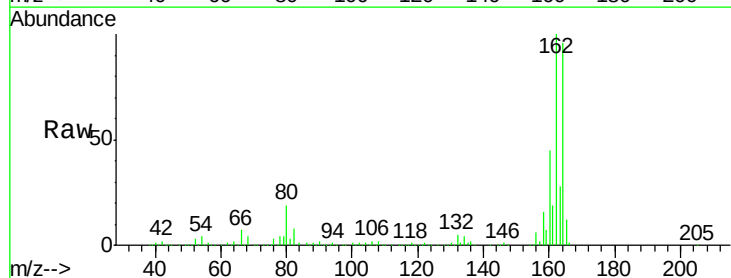


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

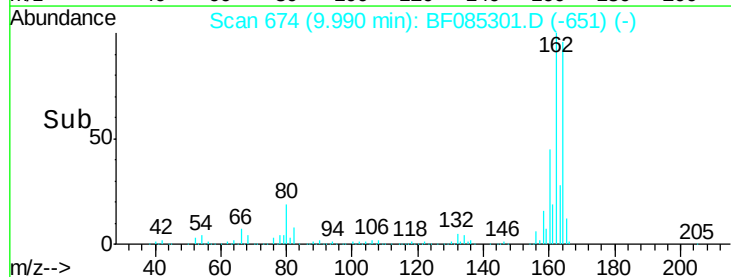
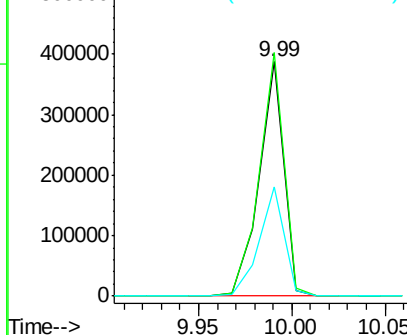


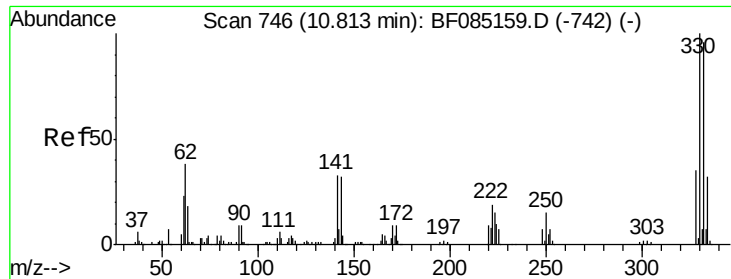
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.99 min Scan# 674  
 Delta R.T. -0.03 min  
 Lab File: BF085301.D  
 Acq: 9 Mar 2016 16:15

Tgt Ion: 164 Resp: 351573  
 Ion Ratio Lower Upper  
 164 100  
 162 104.0 83.3 124.9  
 160 46.6 37.9 56.9



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

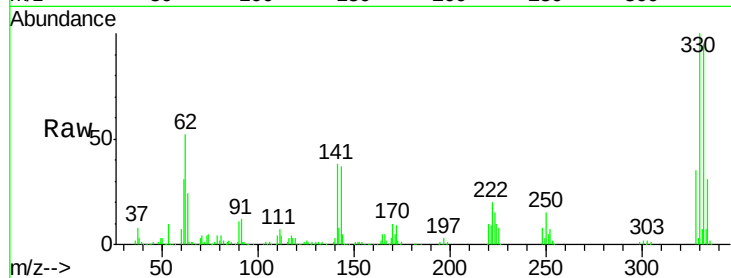




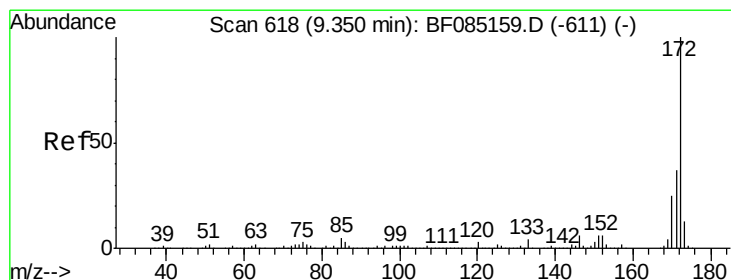
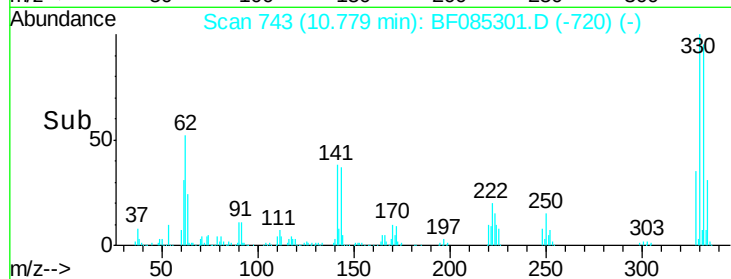
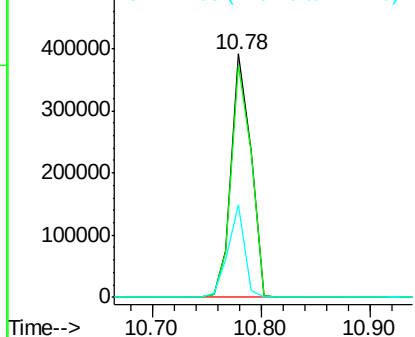
#41  
 2,4,6-Tribromophenol  
 Concen: 162.04 ng  
 RT: 10.78 min Scan# 743  
 Delta R.T. -0.03 min  
 Lab File: BF085301.D  
 Acq: 9 Mar 2016 16:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
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Tgt Ion:330 Resp: 487452  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 77.1 115.7  
 141 32.2 35.0 52.6#

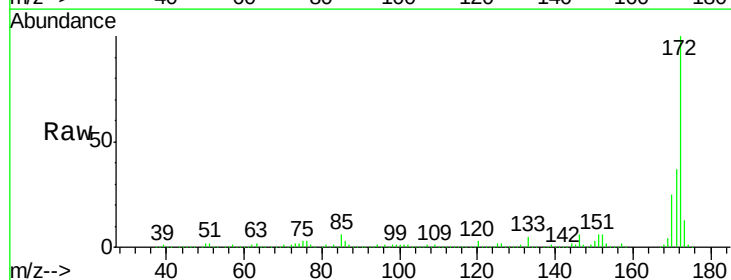


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

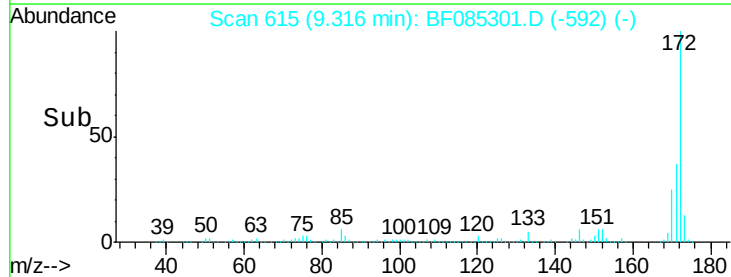
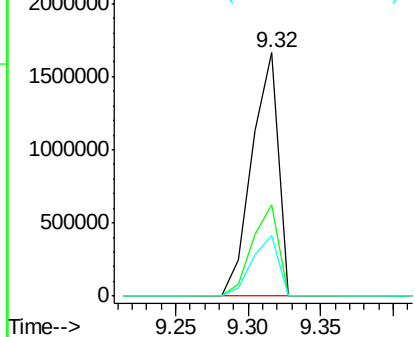


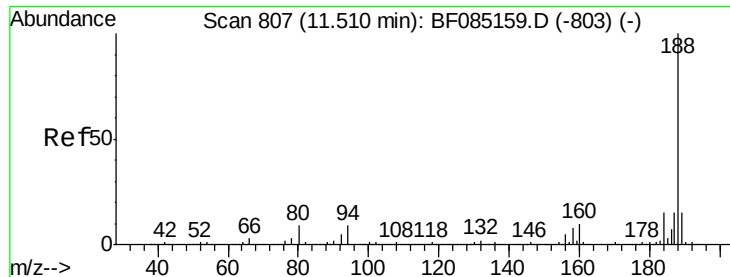
#44  
 2-Fluorobiphenyl  
 Concen: 90.61 ng  
 RT: 9.32 min Scan# 615  
 Delta R.T. -0.03 min  
 Lab File: BF085301.D  
 Acq: 9 Mar 2016 16:15

Tgt Ion:172 Resp: 2094573  
 Ion Ratio Lower Upper  
 172 100  
 171 37.3 29.3 43.9  
 170 24.9 20.0 30.0



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

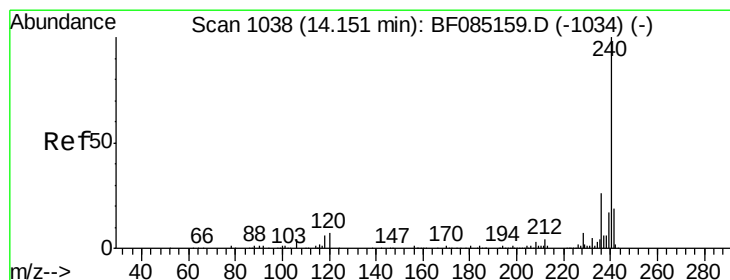
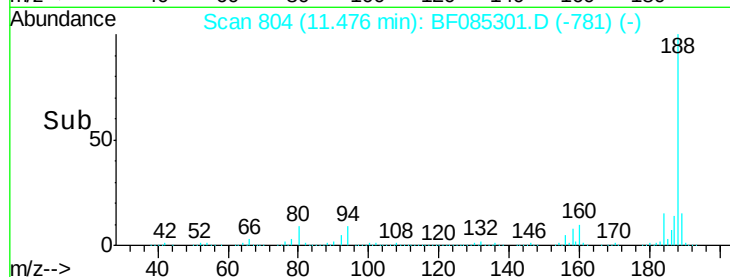
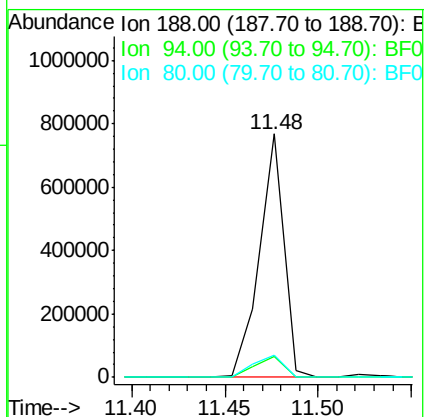
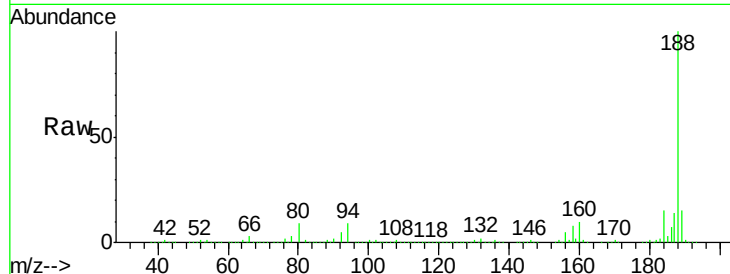




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.48 min Scan# 804  
Delta R.T. -0.03 min  
Lab File: BF085301.D  
Acq: 9 Mar 2016 16:15

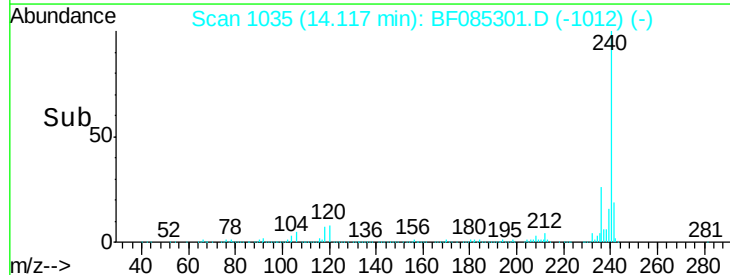
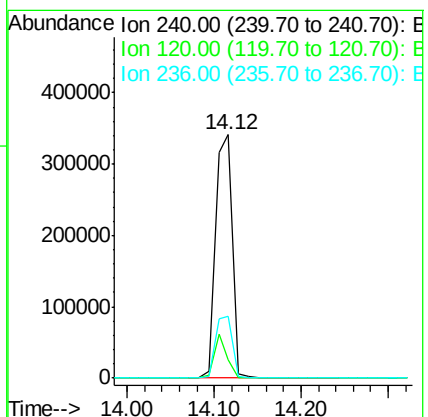
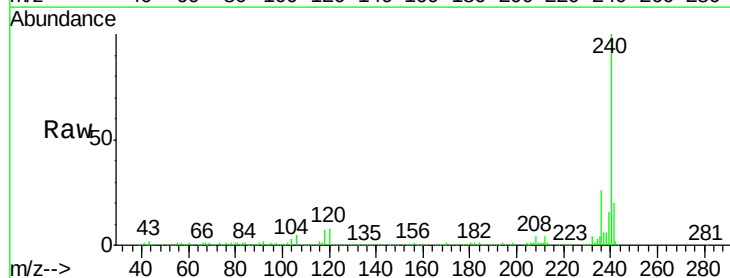
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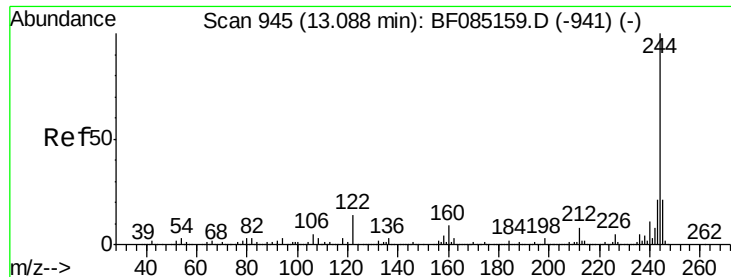
Tgt Ion:188 Resp: 694064  
Ion Ratio Lower Upper  
188 100  
94 8.8 7.0 10.6  
80 9.4 7.4 11.0



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.12 min Scan# 1035  
Delta R.T. -0.03 min  
Lab File: BF085301.D  
Acq: 9 Mar 2016 16:15

Tgt Ion:240 Resp: 466552  
Ion Ratio Lower Upper  
240 100  
120 7.7 5.3 7.9  
236 25.7 20.7 31.1

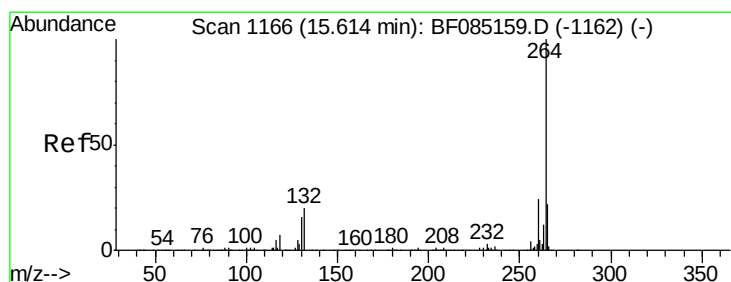
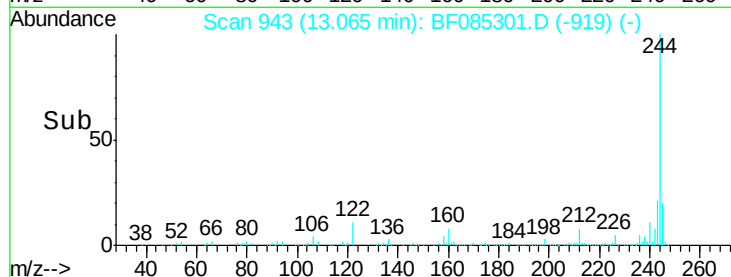
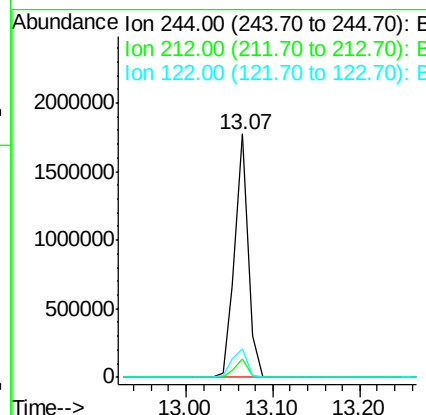
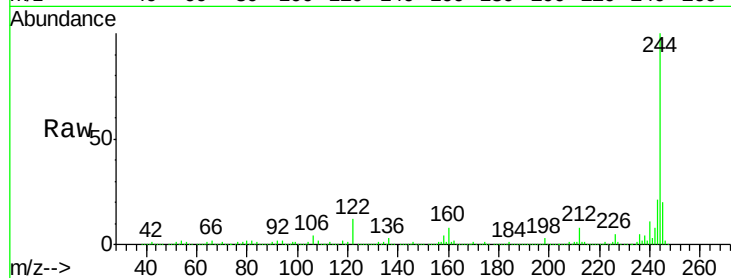




#78  
 Terphenyl-d14  
 Concen: 94.96 ng  
 RT: 13.07 min Scan# 943  
 Delta R.T. -0.02 min  
 Lab File: BF085301.D  
 Acq: 9 Mar 2016 16:15

Instrument :  
 BNA\_F  
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 HSR-WC-28-022516

Tgt Ion:244 Resp: 1908490  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 6.4 9.6  
 122 11.5 11.4 17.2



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.57 min Scan# 1162  
 Delta R.T. -0.05 min  
 Lab File: BF085301.D  
 Acq: 9 Mar 2016 16:15

Tgt Ion:264 Resp: 301452  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.2 28.8  
 265 21.4 17.3 25.9

