

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111715\  
 Data File : BF082991.D  
 Acq On : 18 Nov 2015 3:24  
 Operator : UM/IZ  
 Sample : G4407-10  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 18 06:40:06 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 17 04:41:30 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.75  | 152  | 193980   | 20.00 | ng    | -0.10    |
| 21) Naphthalene-d8          | 8.04  | 136  | 789855   | 20.00 | ng    | -0.10    |
| 38) Acenaphthene-d10        | 9.79  | 164  | 514992   | 20.00 | ng    | -0.10    |
| 63) Phenanthrene-d10        | 11.27 | 188  | 904831   | 20.00 | ng    | -0.11    |
| 75) Chrysene-d12            | 13.91 | 240  | 886155   | 20.00 | ng    | -0.11    |
| 86) Perylene-d12            | 15.30 | 264  | 668364   | 20.00 | ng    | -0.16    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.36  | 112  | 516177   | 41.40 | ng    | -0.09    |
| 7) Phenol-d6                | 6.40  | 99   | 449578   | 27.13 | ng    | -0.09    |
| 23) Nitrobenzene-d5         | 7.32  | 82   | 1139504  | 62.77 | ng    | -0.09    |
| 41) 2,4,6-Tribromophenol    | 10.58 | 330  | 439038   | 74.35 | ng    | -0.10    |
| 44) 2-Fluorobiphenyl        | 9.12  | 172  | 1985486  | 55.26 | ng    | -0.10    |
| 78) Terphenyl-d14           | 12.87 | 244  | 2322222  | 62.15 | ng    | -0.10    |

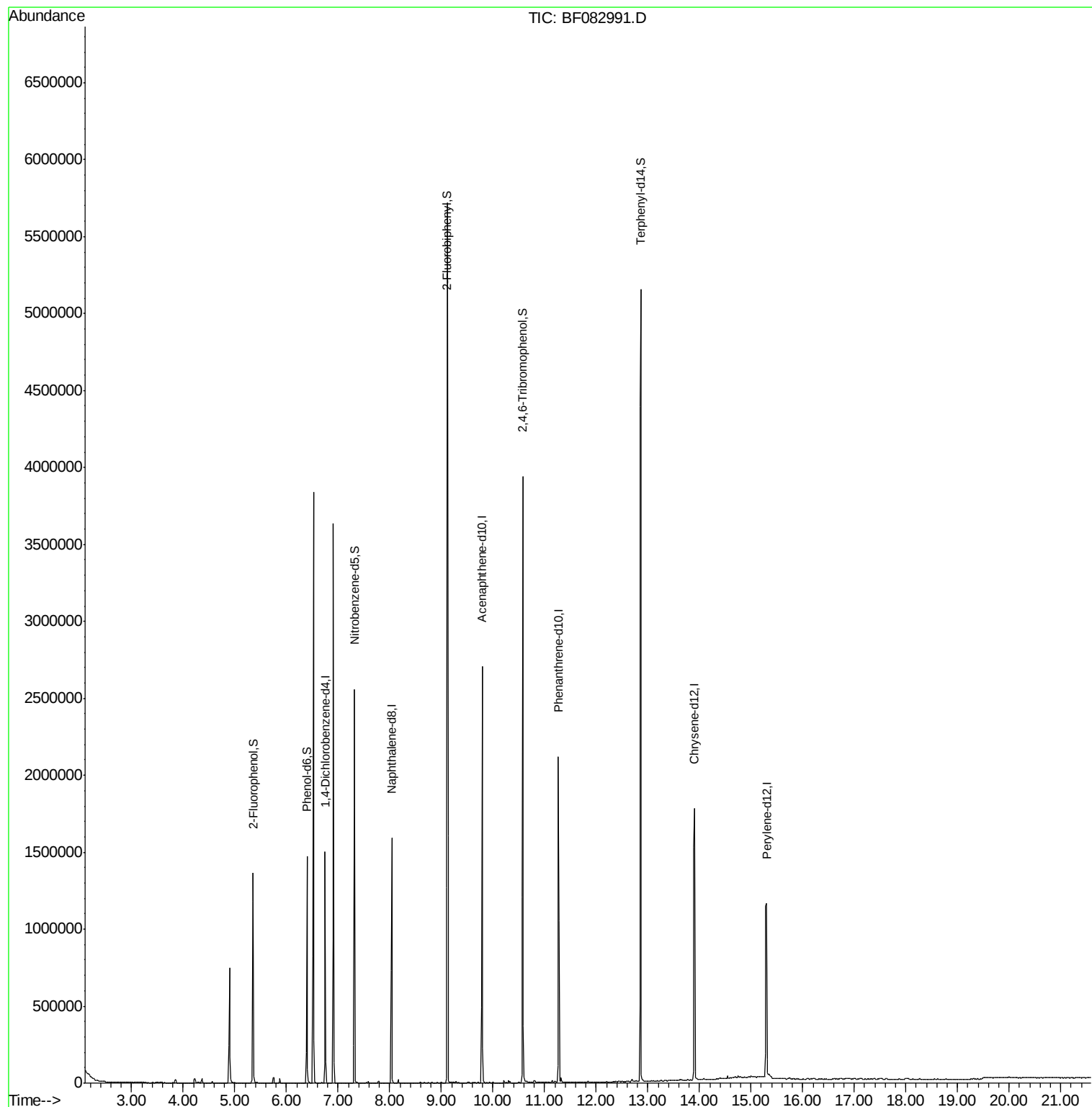
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

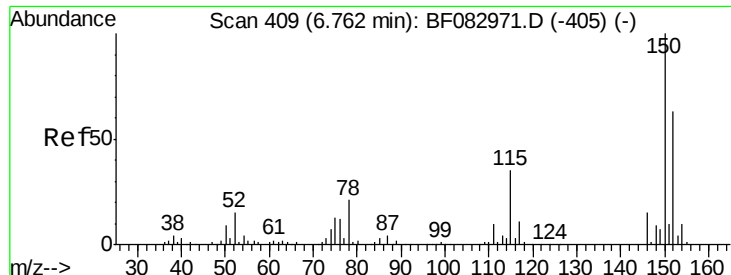
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 17 04:41:30 2015  
Response via : Initial Calibration



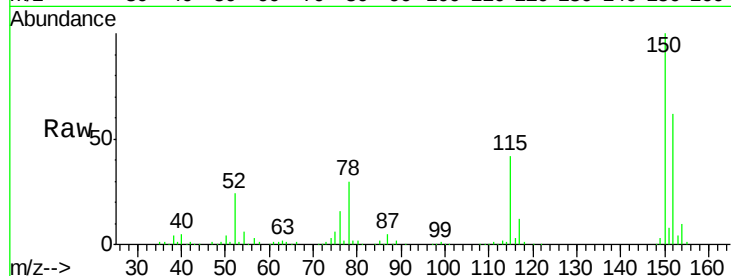


#1

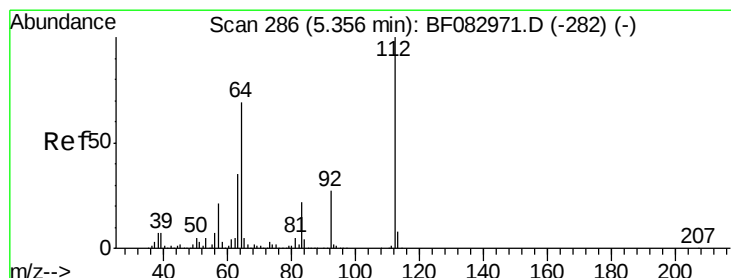
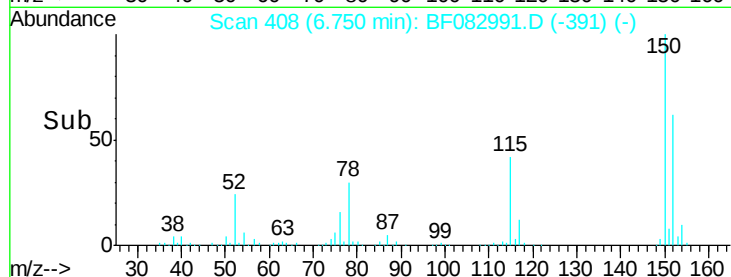
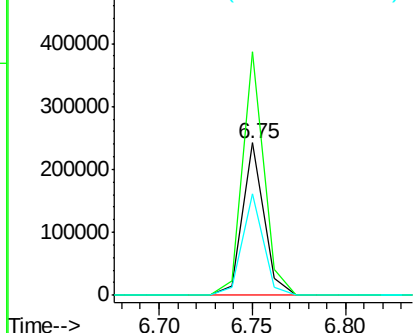
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.75 min Scan# 408  
 Delta R.T. -0.10 min  
 Lab File: BF082991.D  
 Acq: 18 Nov 2015 3:24

Instrument :  
 BNA\_F  
 ClientSampleId :

Tgt Ion:152 Resp: 193980  
 Ion Ratio Lower Upper  
 152 100  
 150 160.0 127.0 190.4  
 115 66.9 47.0 70.6



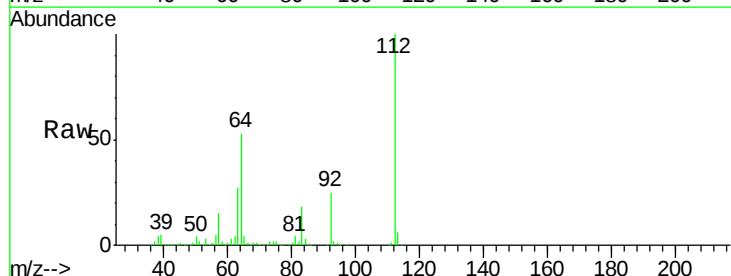
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



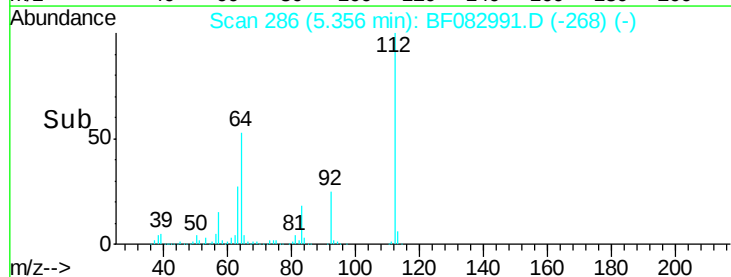
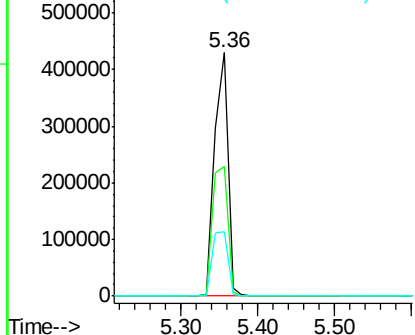
#5

2-Fluorophenol  
 Concen: 41.40 ng  
 RT: 5.36 min Scan# 286  
 Delta R.T. -0.09 min  
 Lab File: BF082991.D  
 Acq: 18 Nov 2015 3:24

Tgt Ion:112 Resp: 516177  
 Ion Ratio Lower Upper  
 112 100  
 64 53.4 48.9 73.3  
 63 26.7 28.1 42.1#



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: 27.13 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.09 min

Lab File: BF082991.D

Acq: 18 Nov 2015 3:24

Instrument :

BNA\_F

ClientSampleId :

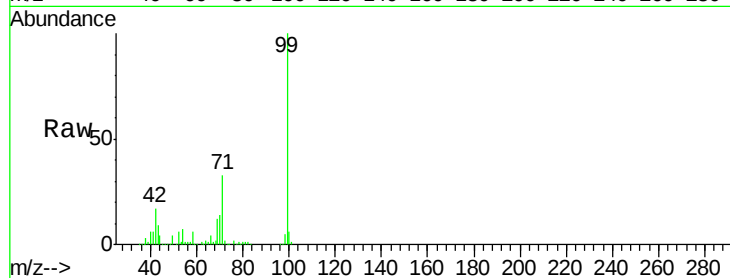
Tgt Ion: 99 Resp: 449578

Ion Ratio Lower Upper

99 100

42 17.3 19.2 28.8#

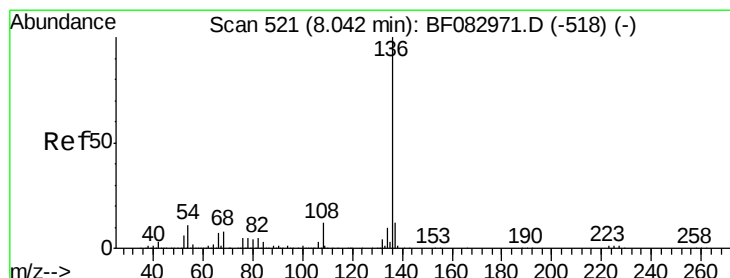
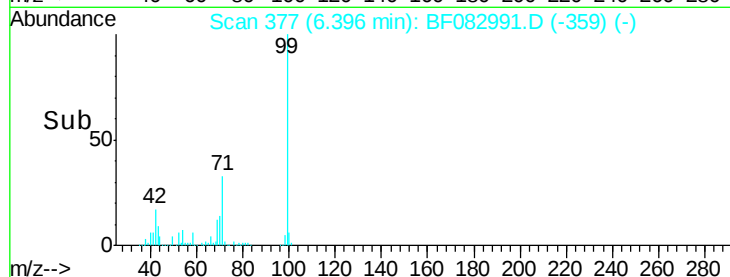
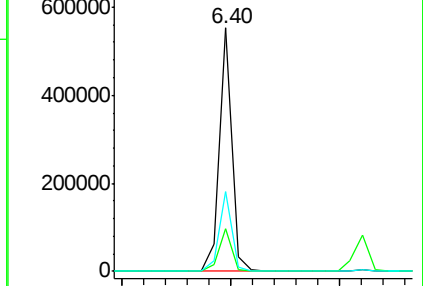
71 33.0 35.0 52.4#



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: 8.04 min Scan# 521

Delta R.T. -0.10 min

Lab File: BF082991.D

Acq: 18 Nov 2015 3:24

Tgt Ion: 136 Resp: 789855

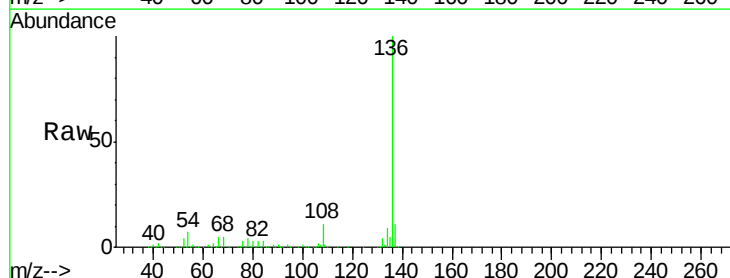
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 7.1 9.1 13.7#

68 5.3 4.8 7.2

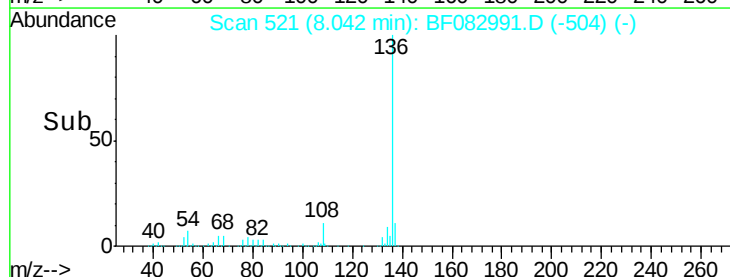
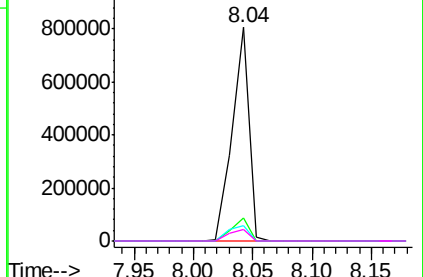


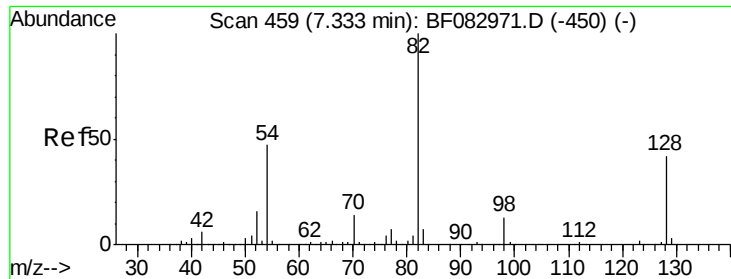
Abundance Ion 136.00 (135.70 to 136.70): E

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

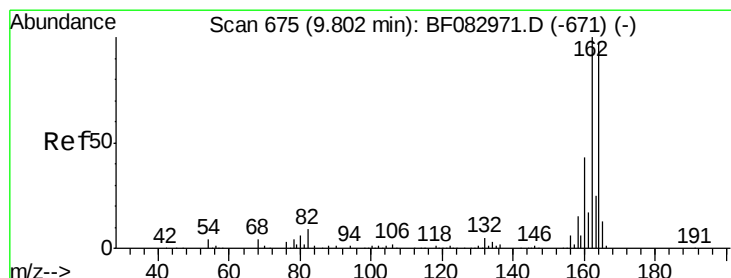
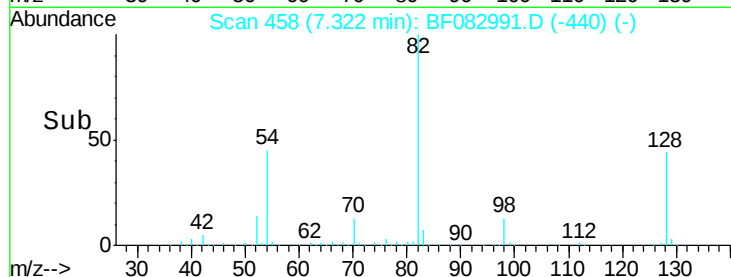
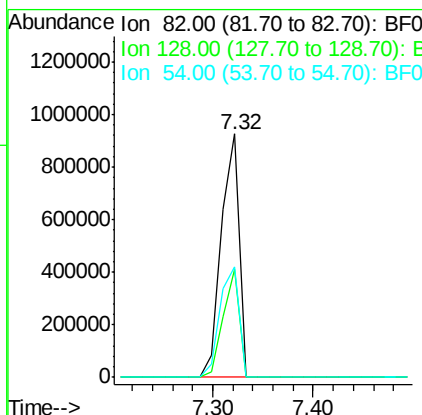
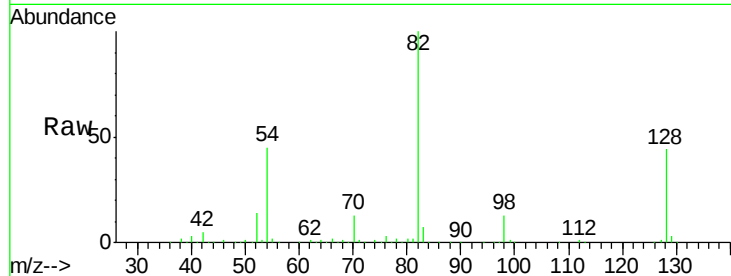




#23  
 Nitrobenzene-d5  
 Concen: 62.77 ng  
 RT: 7.32 min Scan# 458  
 Delta R.T. -0.09 min  
 Lab File: BF082991.D  
 Acq: 18 Nov 2015 3:24

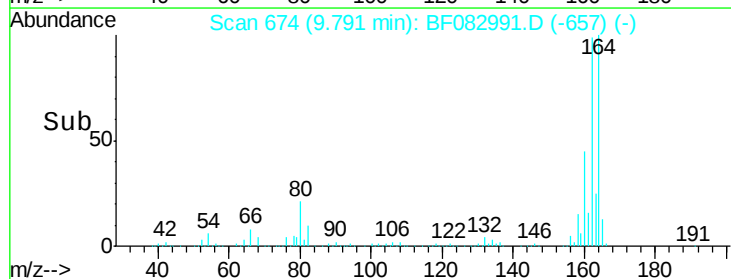
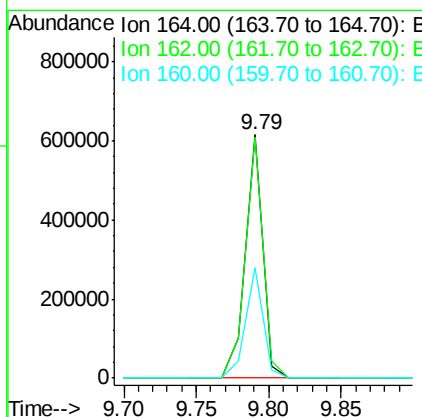
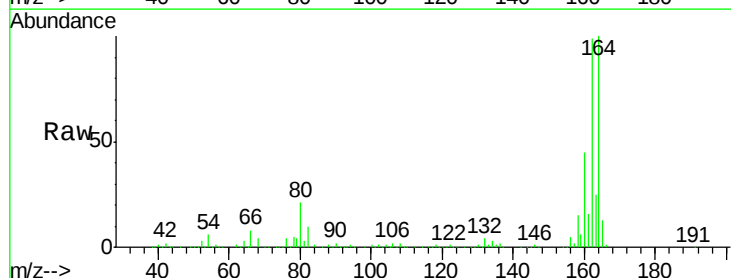
Instrument :  
 BNA\_F  
 ClientSampleId :

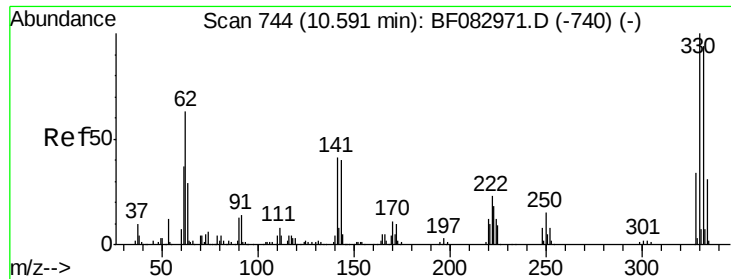
Tgt Ion: 82 Resp: 1139504  
 Ion Ratio Lower Upper  
 82 100  
 128 44.1 26.8 40.2#  
 54 45.2 45.7 68.5#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.79 min Scan# 674  
 Delta R.T. -0.10 min  
 Lab File: BF082991.D  
 Acq: 18 Nov 2015 3:24

Tgt Ion: 164 Resp: 514992  
 Ion Ratio Lower Upper  
 164 100  
 162 99.1 84.9 127.3  
 160 45.1 37.5 56.3

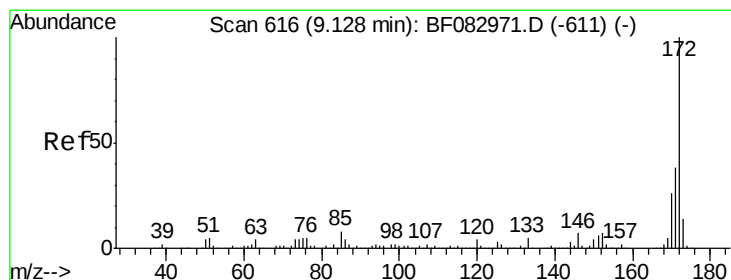
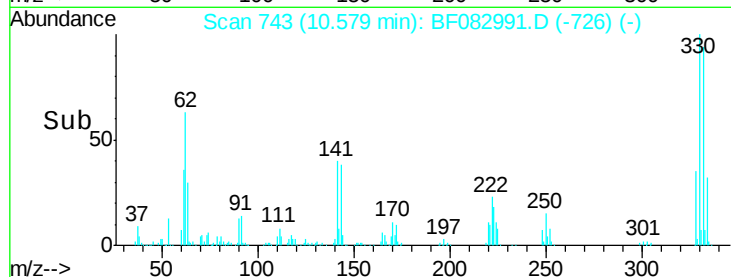
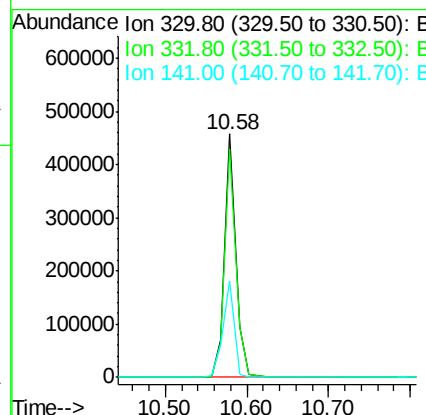
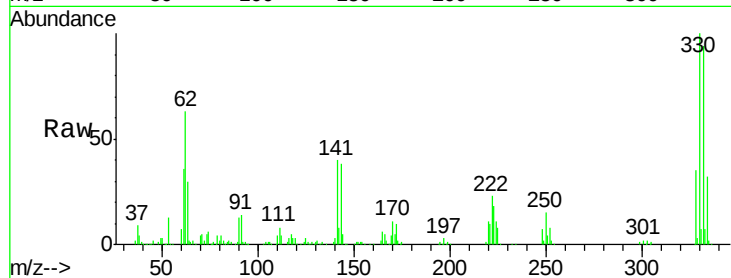




#41  
 2,4,6-Tribromophenol  
 Concen: 74.35 ng  
 RT: 10.58 min Scan# 743  
 Delta R.T. -0.10 min  
 Lab File: BF082991.D  
 Acq: 18 Nov 2015 3:24

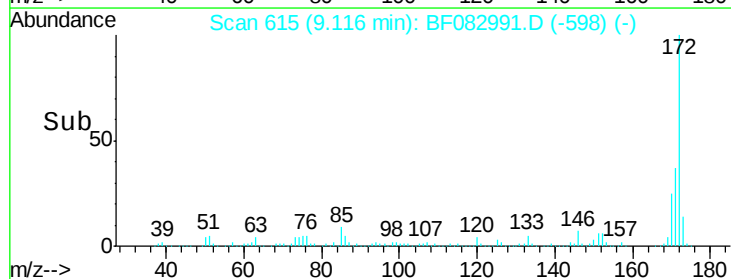
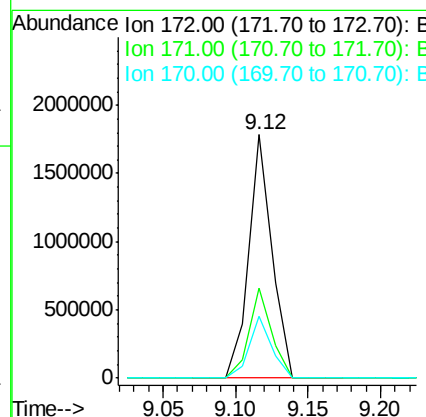
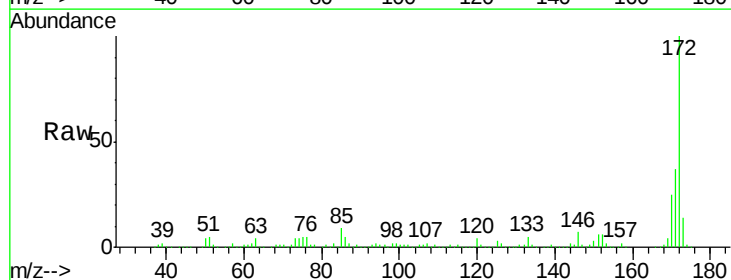
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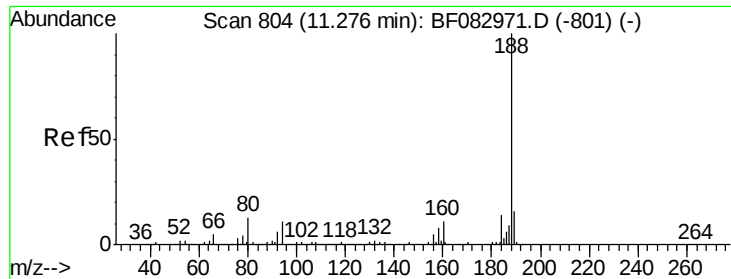
Tgt Ion:330 Resp: 439038  
 Ion Ratio Lower Upper  
 330 100  
 332 95.0 76.6 114.8  
 141 39.8 41.2 61.8#



#44  
 2-Fluorobiphenyl  
 Concen: 55.26 ng  
 RT: 9.12 min Scan# 615  
 Delta R.T. -0.10 min  
 Lab File: BF082991.D  
 Acq: 18 Nov 2015 3:24

Tgt Ion:172 Resp: 1985486  
 Ion Ratio Lower Upper  
 172 100  
 171 36.9 30.8 46.2  
 170 25.4 21.2 31.8

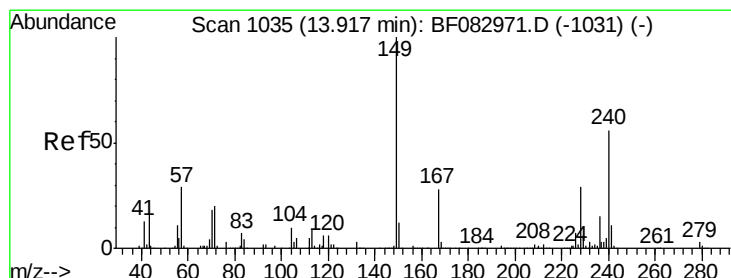
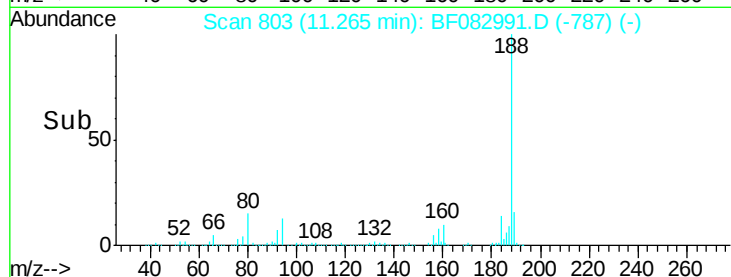
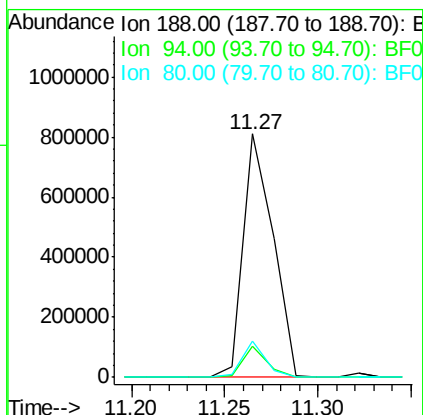
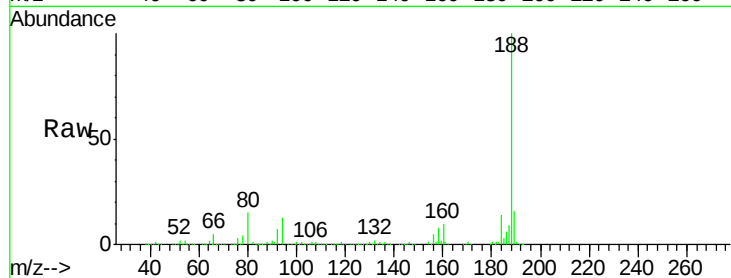




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.27 min Scan# 803  
Delta R.T. -0.11 min  
Lab File: BF082991.D  
Acq: 18 Nov 2015 3:24

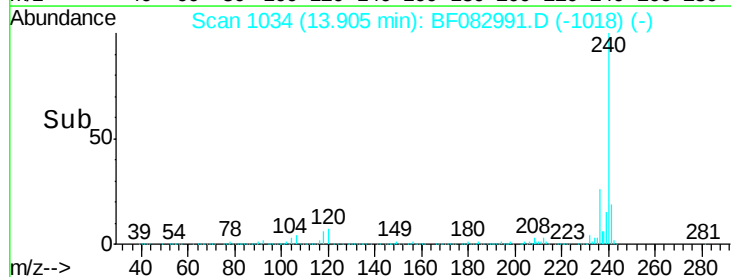
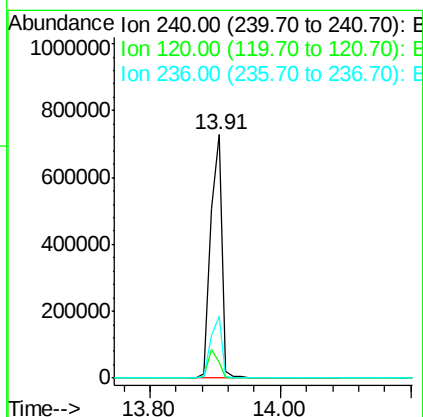
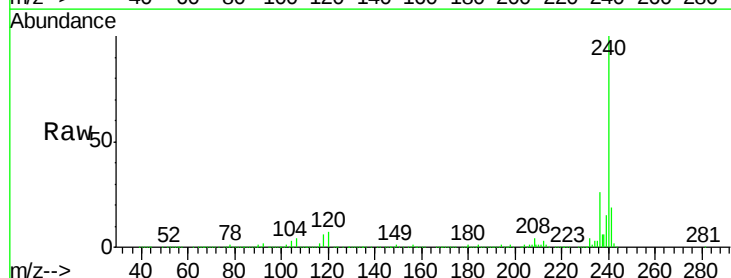
Instrument :  
BNA\_F  
ClientSampleId :

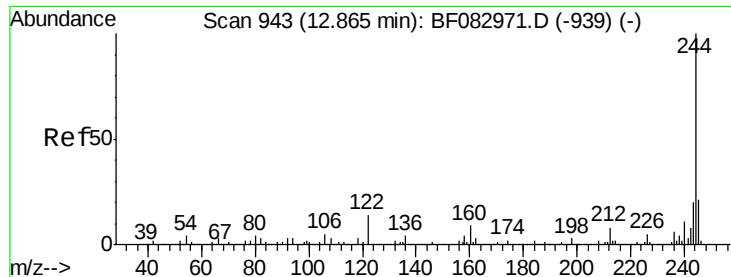
Tgt Ion:188 Resp: 904831  
Ion Ratio Lower Upper  
188 100  
94 12.9 6.1 9.1#  
80 15.1 7.0 10.6#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.91 min Scan# 1034  
Delta R.T. -0.11 min  
Lab File: BF082991.D  
Acq: 18 Nov 2015 3:24

Tgt Ion:240 Resp: 886155  
Ion Ratio Lower Upper  
240 100  
120 6.6 10.9 16.3#  
236 25.6 21.6 32.4

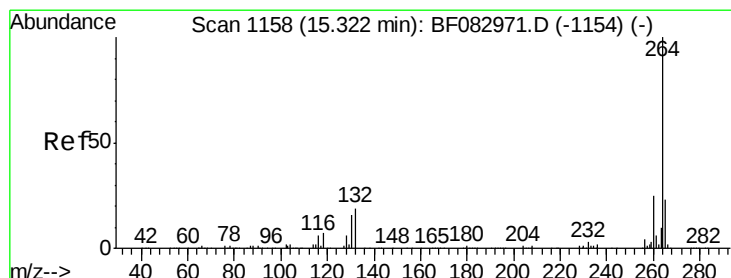
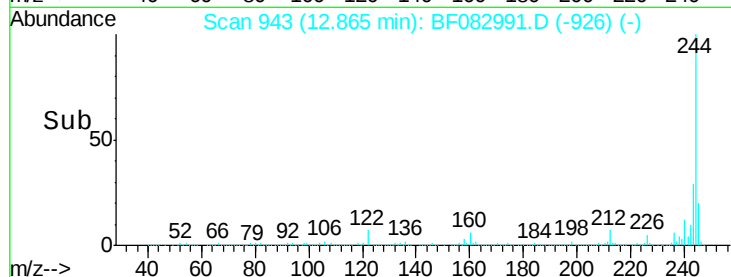
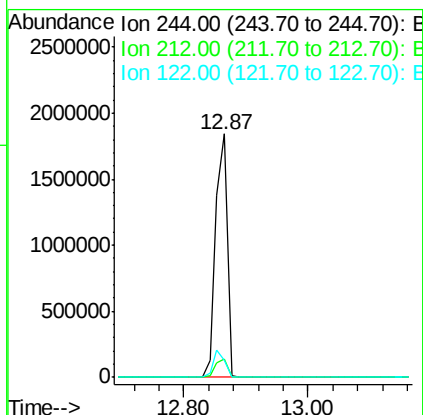
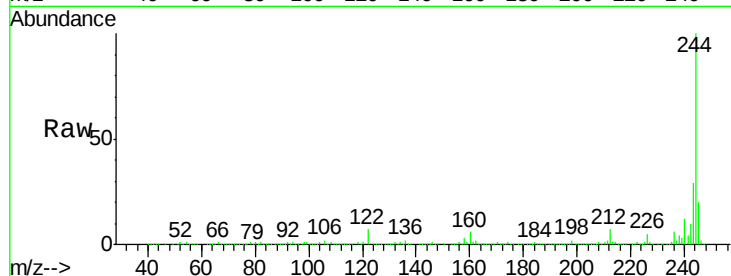




#78  
 Terphenyl-d14  
 Concen: 62.15 ng  
 RT: 12.87 min Scan# 943  
 Delta R.T. -0.10 min  
 Lab File: BF082991.D  
 Acq: 18 Nov 2015 3:24

Instrument :  
 BNA\_F  
 ClientSampleId :

Tgt Ion:244 Resp: 2322222  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 7.6 11.4#  
 122 7.0 11.3 16.9#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.30 min Scan# 1156  
 Delta R.T. -0.16 min  
 Lab File: BF082991.D  
 Acq: 18 Nov 2015 3:24

Tgt Ion:264 Resp: 668364  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 19.8 29.6  
 265 22.3 17.4 26.0

