

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF020615\  
 Data File : BF077219.D  
 Acq On : 7 Feb 2015 00:56  
 Operator : TP/IZ  
 Sample : G1245-01  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SWD-1

Quant Time: Feb 07 02:28:11 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Feb 07 00:59:13 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.64  | 152  | 28505    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.56 | 136  | 117535   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.67 | 164  | 60411    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.54 | 188  | 110972   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.05 | 240  | 108782   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 22.68 | 264  | 104693   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 4.67  | 112  | 61880    | 35.69  | ng    | 0.01     |
| 7) Phenol-d6                | 7.07  | 99   | 46257    | 21.15  | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 8.96  | 82   | 194859   | 91.85  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.42 | 330  | 49111    | 100.15 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.21 | 172  | 409460   | 103.15 | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.79 | 244  | 398304   | 84.29  | ng    | 0.00     |

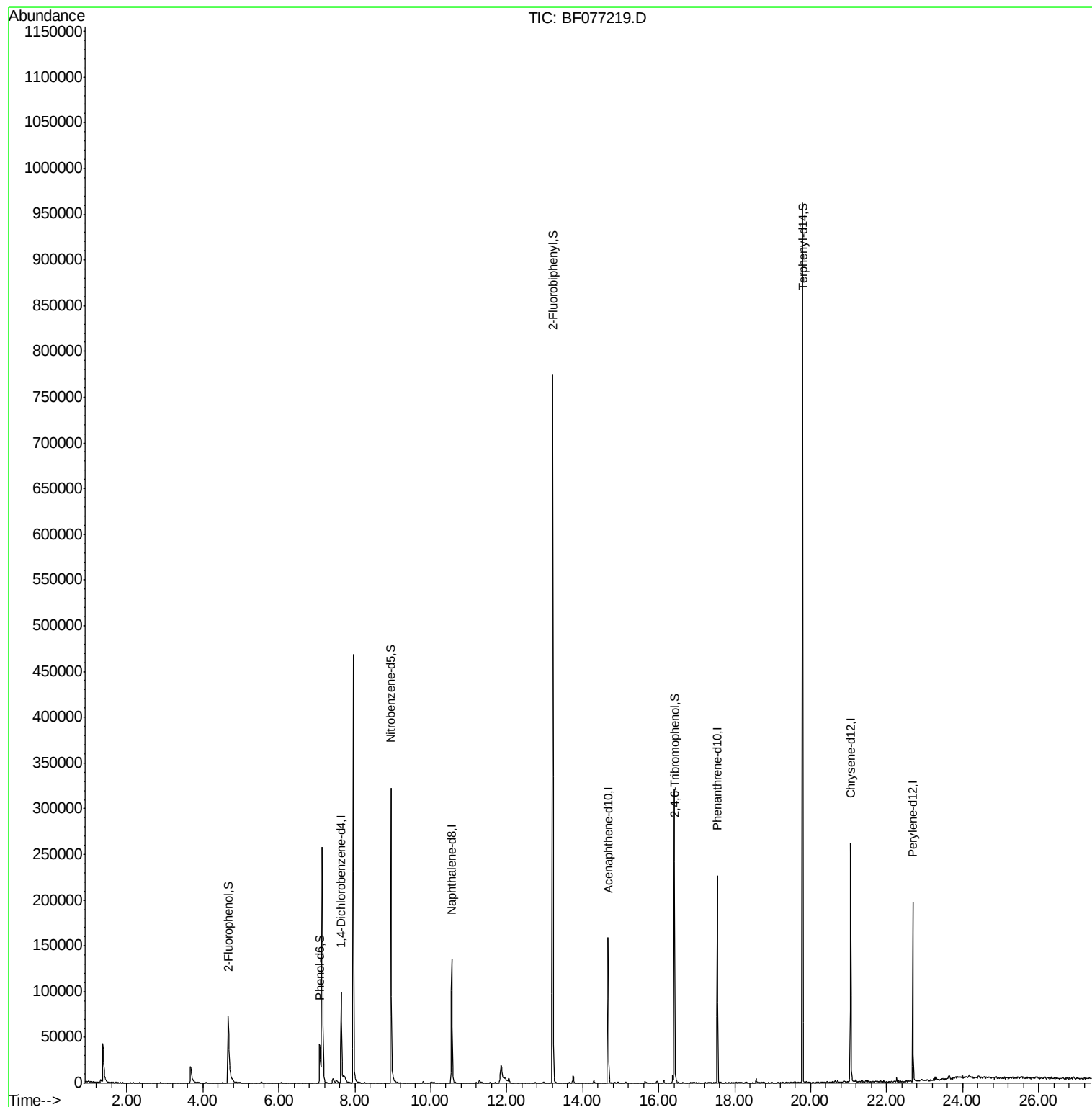
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

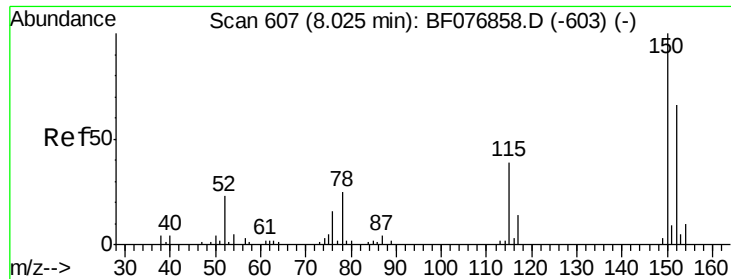
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 19 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Feb 07 00:59:13 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.64 min Scan# 591

Delta R.T. -0.00 min

Lab File: BF077219.D

Acq: 7 Feb 2015 00:56

Instrument :

BNA\_F

ClientSampleId :

SWD-1

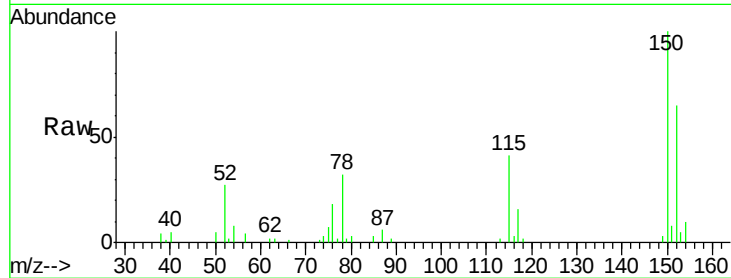
Tgt Ion:152 Resp: 28505

Ion Ratio Lower Upper

152 100

150 153.4 121.7 182.5

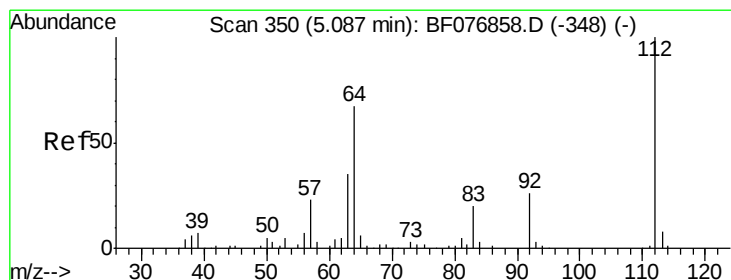
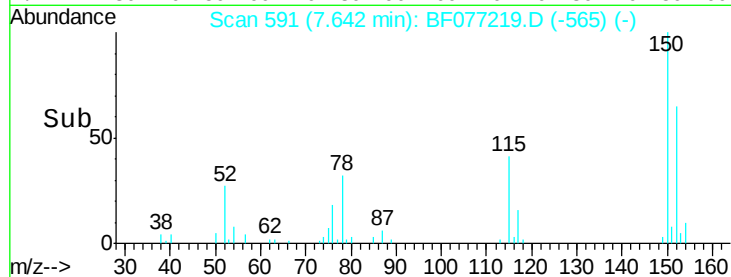
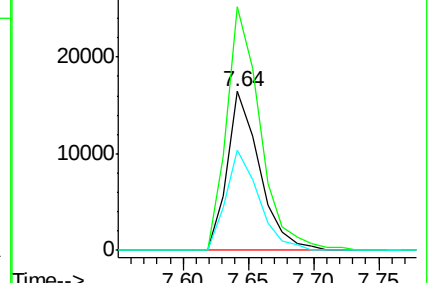
115 63.2 47.0 70.6



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: 35.69 ng

RT: 4.67 min Scan# 331

Delta R.T. 0.01 min

Lab File: BF077219.D

Acq: 7 Feb 2015 00:56

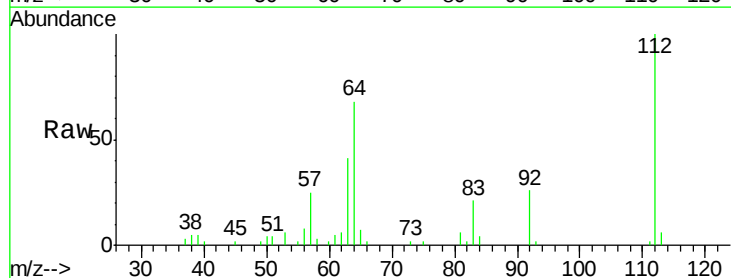
Tgt Ion:112 Resp: 61880

Ion Ratio Lower Upper

112 100

64 68.5 54.2 81.4

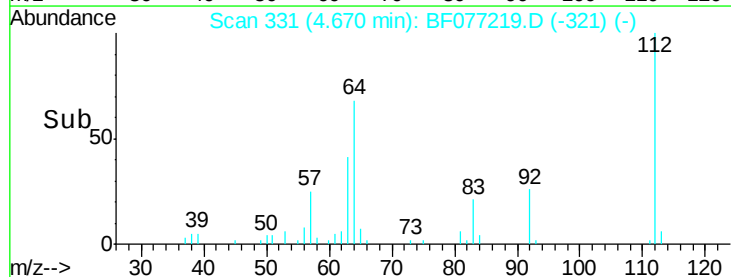
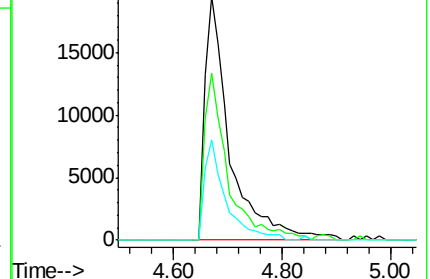
63 41.3 28.4 42.6

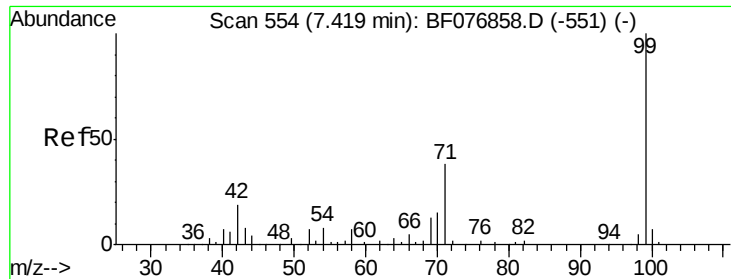


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.15 ng

RT: 7.07 min Scan# 541

Delta R.T. 0.01 min

Lab File: BF077219.D

Acq: 7 Feb 2015 00:56

Instrument :

BNA\_F

ClientSampleId :

SWD-1

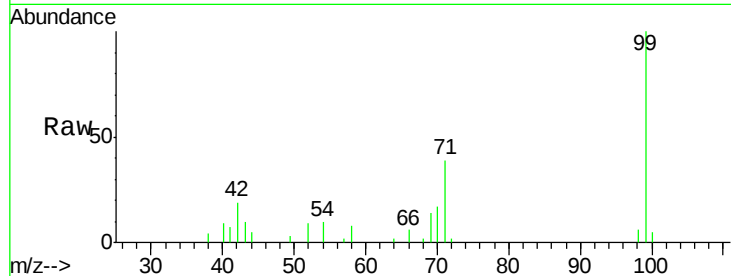
Tgt Ion: 99 Resp: 46257

Ion Ratio Lower Upper

99 100

42 19.1 15.0 22.4

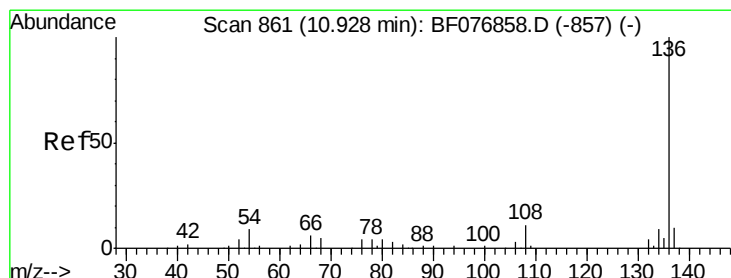
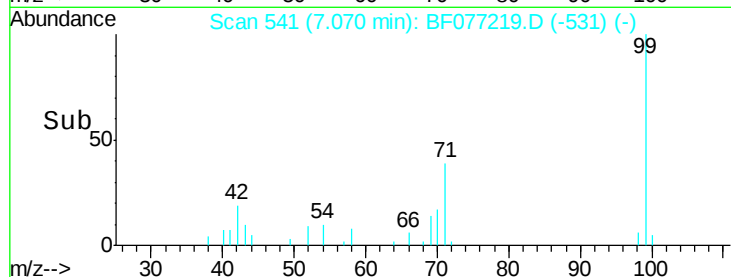
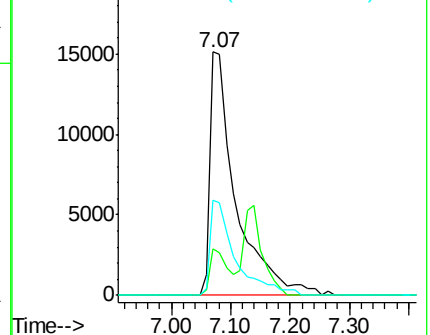
71 38.8 30.5 45.7



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: 10.56 min Scan# 846

Delta R.T. -0.00 min

Lab File: BF077219.D

Acq: 7 Feb 2015 00:56

Tgt Ion: 136 Resp: 117535

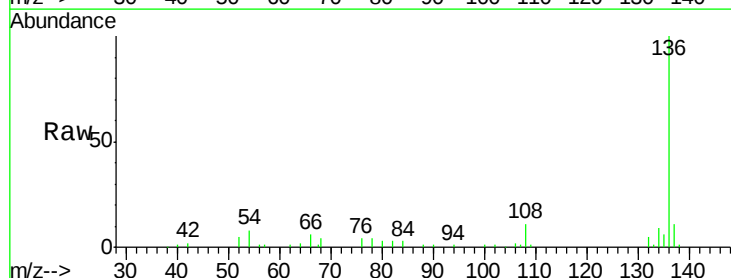
Ion Ratio Lower Upper

136 100

137 10.7 8.1 12.1

54 8.4 7.0 10.4

68 4.4 3.7 5.5

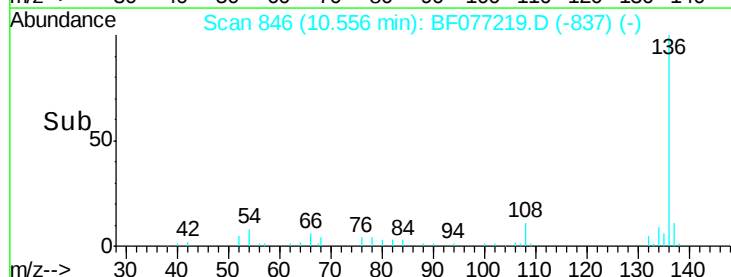
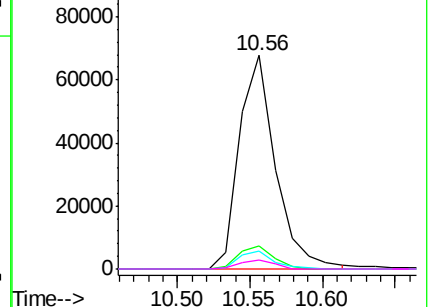


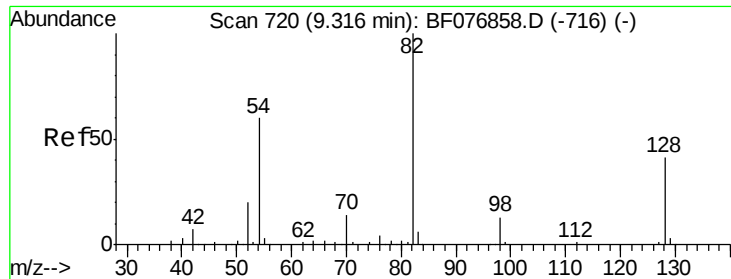
Abundance Ion 136.00 (135.70 to 136.70): E

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

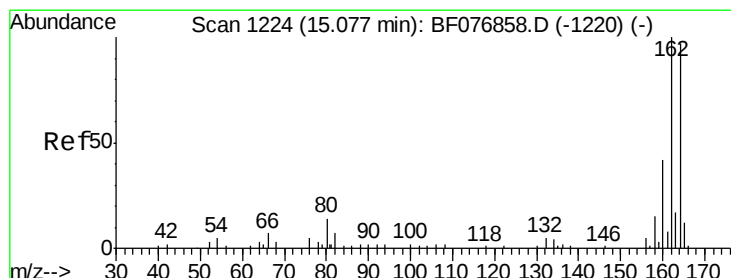
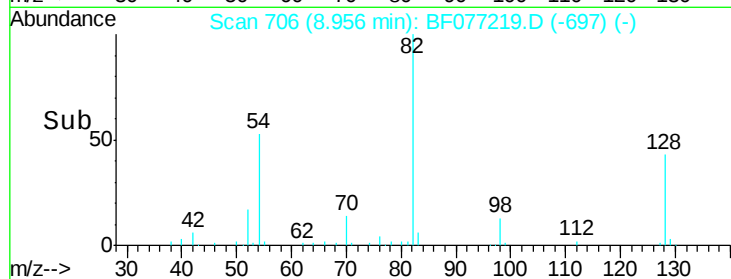
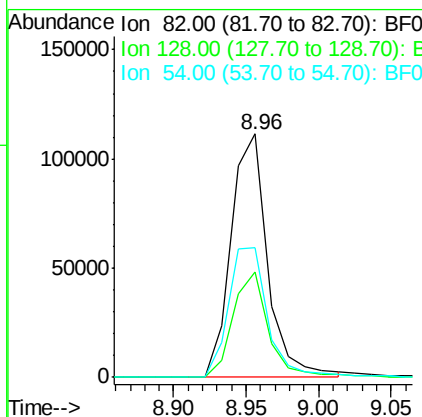
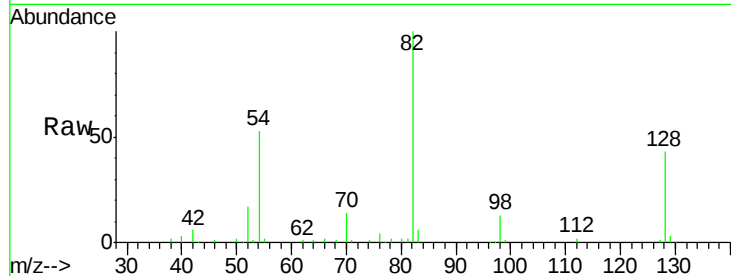




#23  
 Nitrobenzene-d5  
 Concen: 91.85 ng  
 RT: 8.96 min Scan# 706  
 Delta R.T. -0.00 min  
 Lab File: BF077219.D  
 Acq: 7 Feb 2015 00:56

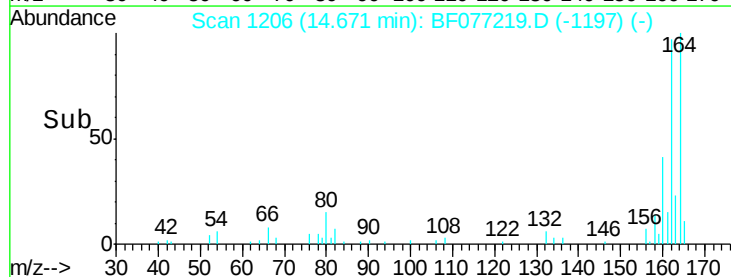
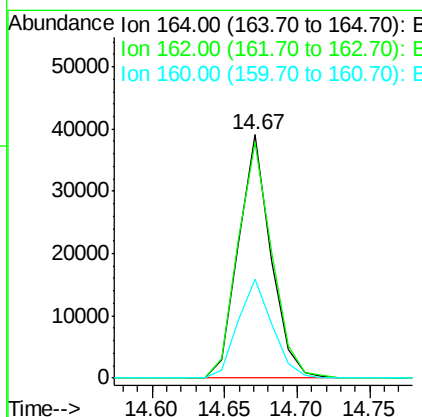
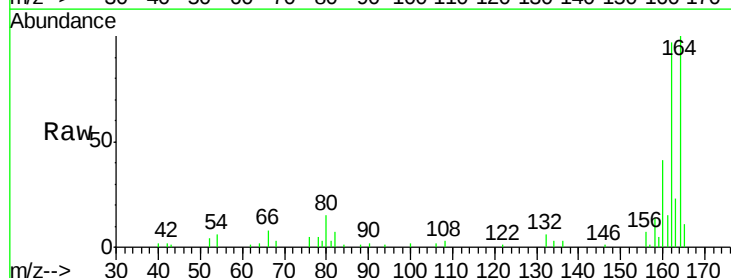
Instrument :  
 BNA\_F  
 ClientSampleID :  
 SWD-1

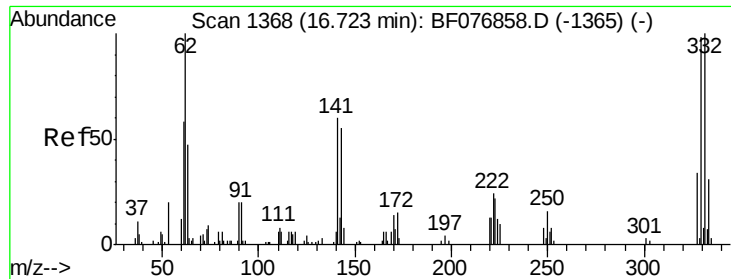
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 43.0  | 33.1  | 49.7  |
| 54      | 53.5  | 48.3  | 72.5  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.67 min Scan# 1206  
 Delta R.T. -0.00 min  
 Lab File: BF077219.D  
 Acq: 7 Feb 2015 00:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 97.0  | 82.4  | 123.6 |
| 160     | 40.7  | 34.8  | 52.2  |

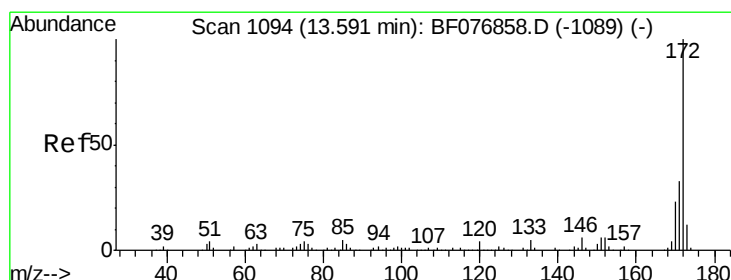
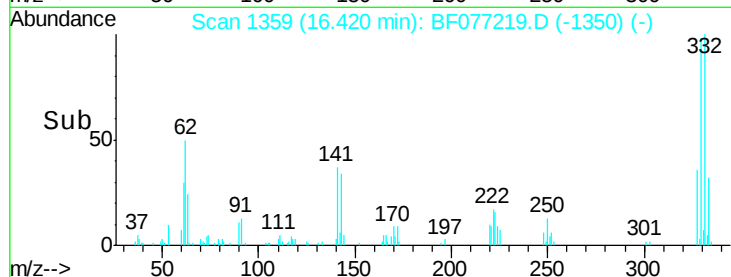
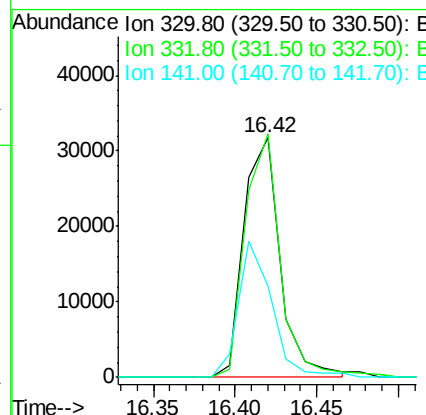
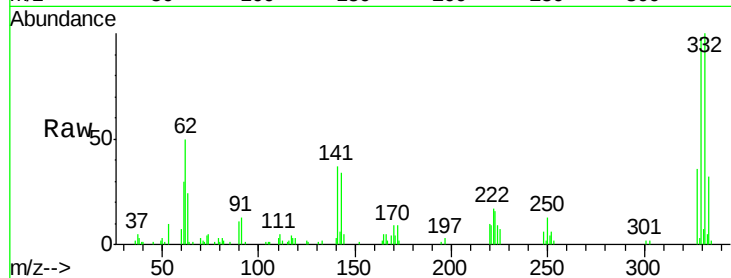




#41  
 2,4,6-Tribromophenol  
 Concen: 100.15 ng  
 RT: 16.42 min Scan# 1359  
 Delta R.T. -0.00 min  
 Lab File: BF077219.D  
 Acq: 7 Feb 2015 00:56

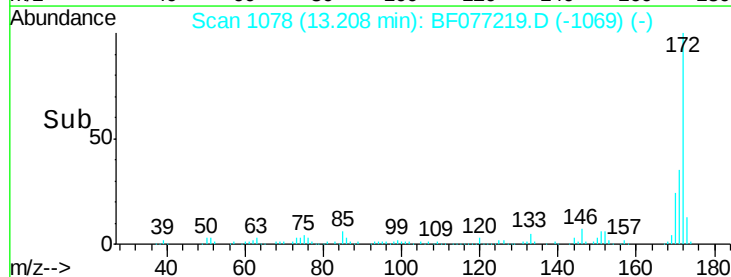
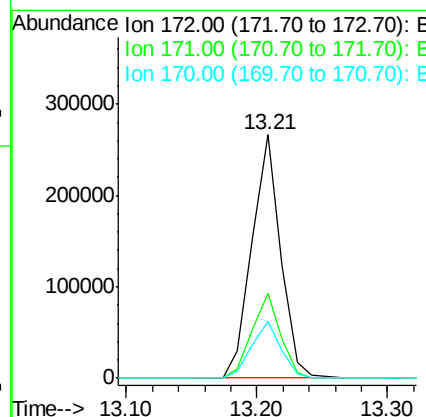
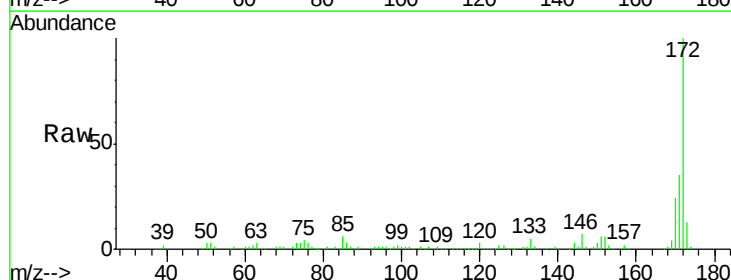
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SWD-1

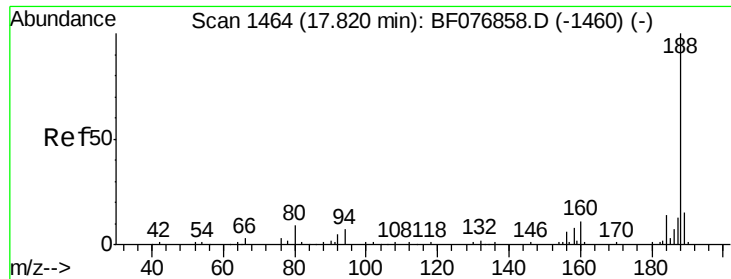
Tgt Ion:330 Resp: 49111  
 Ion Ratio Lower Upper  
 330 100  
 332 98.2 77.8 116.6  
 141 52.2 38.5 57.7



#44  
 2-Fluorobiphenyl  
 Concen: 103.15 ng  
 RT: 13.21 min Scan# 1078  
 Delta R.T. -0.00 min  
 Lab File: BF077219.D  
 Acq: 7 Feb 2015 00:56

Tgt Ion:172 Resp: 409460  
 Ion Ratio Lower Upper  
 172 100  
 171 34.8 26.6 40.0  
 170 23.5 18.0 27.0

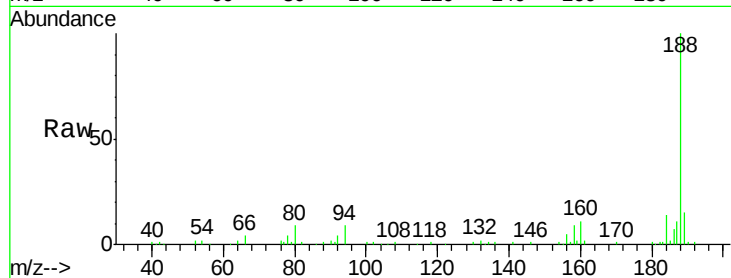




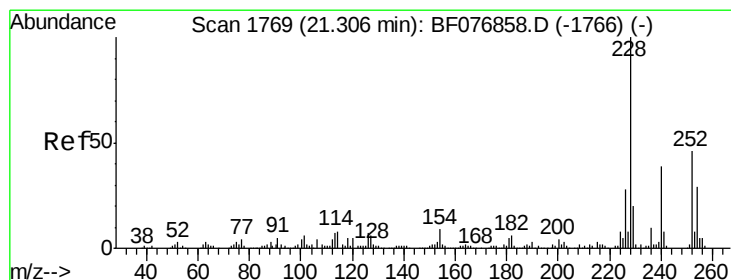
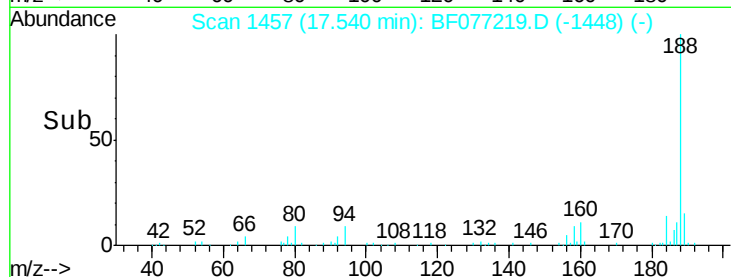
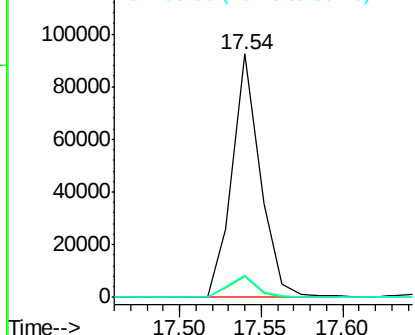
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.54 min Scan# 1457  
Delta R.T. -0.00 min  
Lab File: BF077219.D  
Acq: 7 Feb 2015 00:56

Instrument :  
BNA\_F  
ClientSampleId :  
SWD-1

Tgt Ion:188 Resp: 110972  
Ion Ratio Lower Upper  
188 100  
94 8.6 6.0 9.0  
80 9.0 6.9 10.3

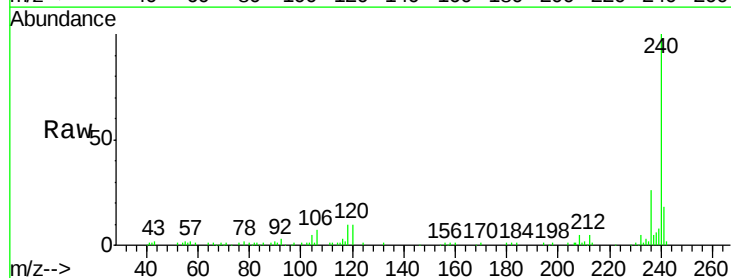


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

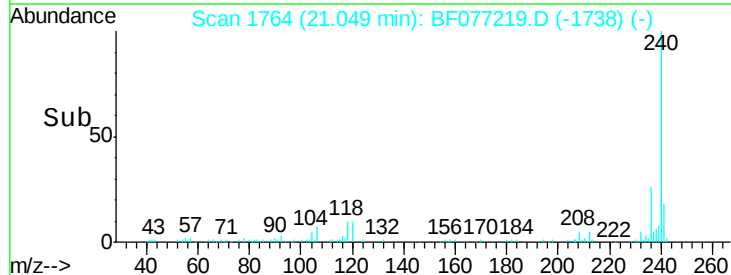
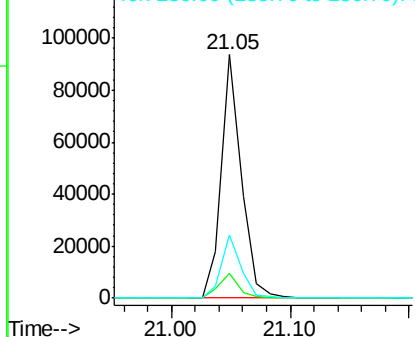


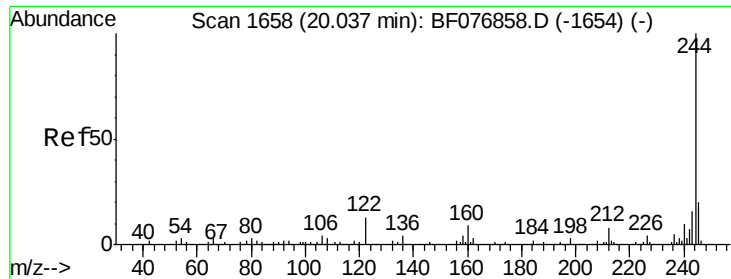
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.05 min Scan# 1764  
Delta R.T. -0.00 min  
Lab File: BF077219.D  
Acq: 7 Feb 2015 00:56

Tgt Ion:240 Resp: 108782  
Ion Ratio Lower Upper  
240 100  
120 10.2 10.4 15.6#  
236 25.7 20.2 30.2



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

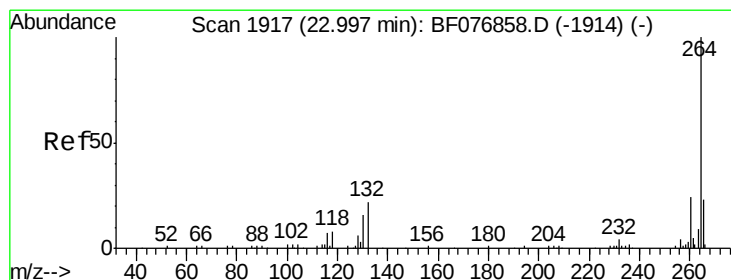
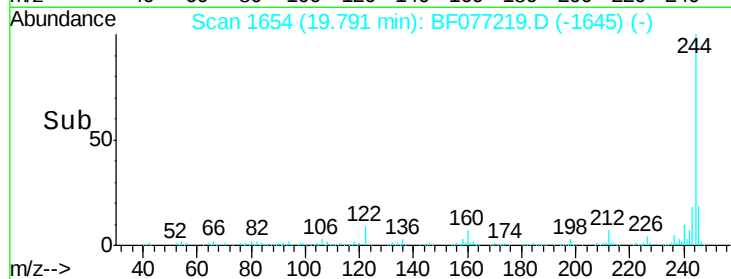
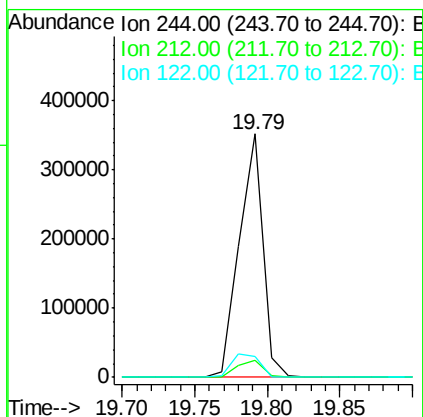
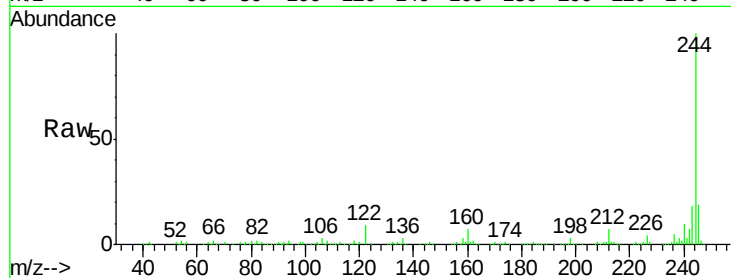




#78  
 Terphenyl-d14  
 Concen: 84.29 ng  
 RT: 19.79 min Scan# 1654  
 Delta R.T. -0.00 min  
 Lab File: BF077219.D  
 Acq: 7 Feb 2015 00:56

Instrument :  
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Tgt Ion:244 Resp: 398304  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 6.3 9.5  
 122 8.8 10.1 15.1#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 22.68 min Scan# 1907  
 Delta R.T. -0.00 min  
 Lab File: BF077219.D  
 Acq: 7 Feb 2015 00:56

Tgt Ion:264 Resp: 104693  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.0 28.4  
 265 21.2 18.1 27.1

