

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\  
 Data File : BF090589.D  
 Acq On : 15 Oct 2016 6:14  
 Operator : UM/SJ  
 Sample : H5263-07  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-BPM-02-001-D

Quant Time: Oct 15 06:42:13 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 14 12:44:45 2016  
 Response via : Initial Calibration

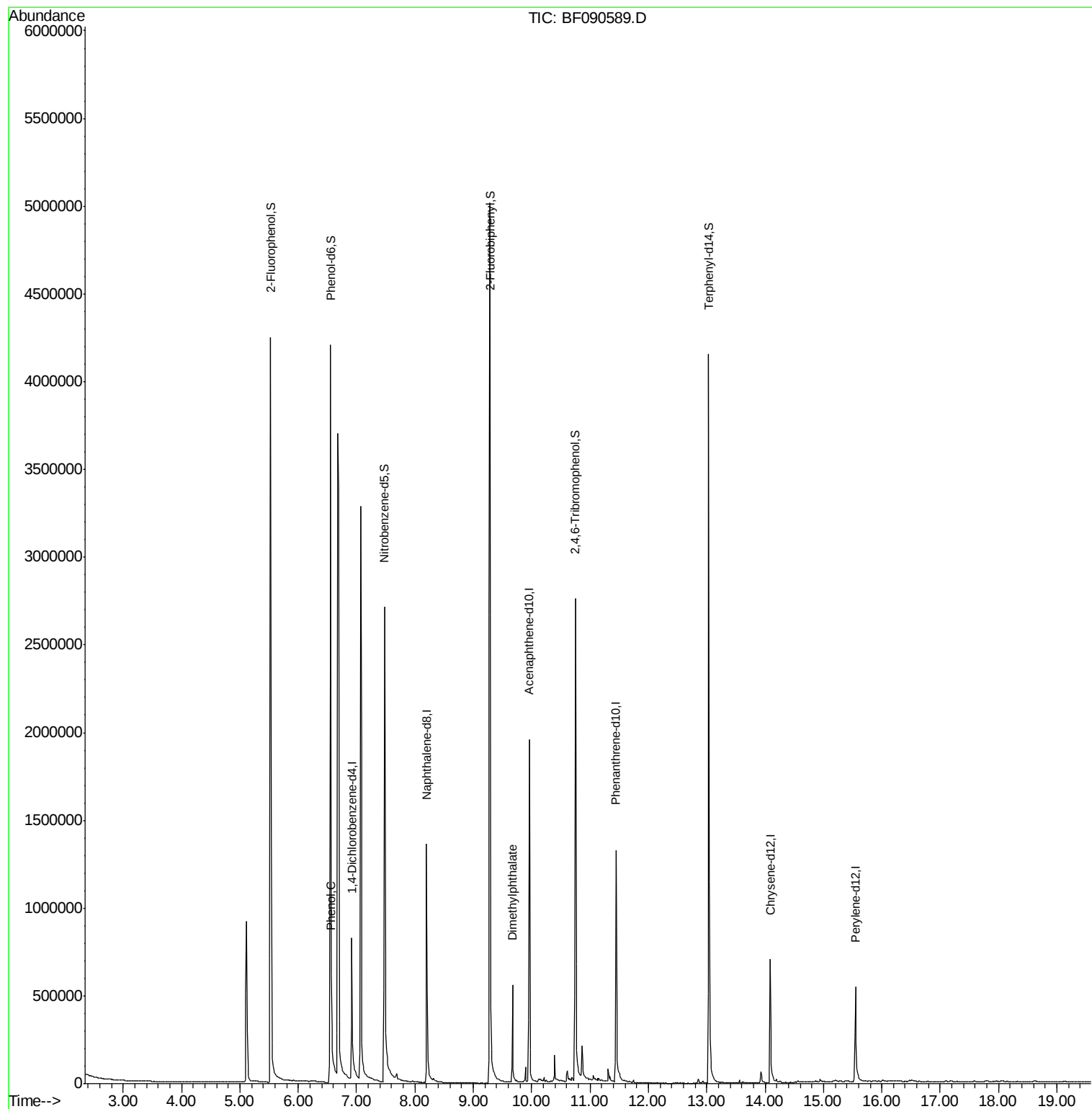
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.92  | 152  | 178893   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.20  | 136  | 768541   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.96  | 164  | 408004   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.45 | 188  | 566381   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.09 | 240  | 315565   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.55 | 264  | 291617   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.53  | 112  | 1341917  | 137.52 | ng    | 0.00     |
| 7) Phenol-d6                | 6.55  | 99   | 2048376  | 141.27 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.48  | 82   | 1254379  | 90.67  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.75 | 330  | 326264   | 89.69  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.29  | 172  | 2027482  | 81.88  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.03 | 244  | 1423418  | 105.03 | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.57  | 94   | 40122    | 2.42   | ng    | 85       |
| 49) Dimethylphthalate       | 9.67  | 163  | 228451   | 8.63   | ng    | 98       |

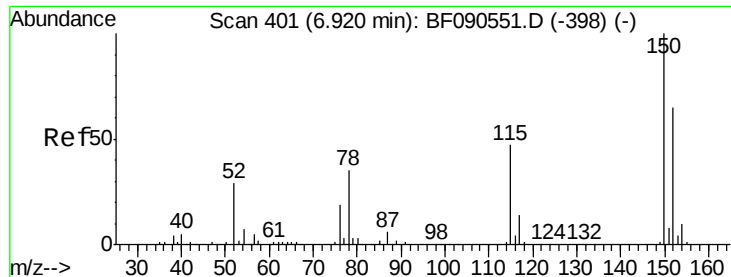
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 29 Sample Multiplier: 1

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BNA\_F  
ClientSampleId :  
FK-BPM-02-001-D

Quant Time: Oct 15 06:42:13 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 14 12:44:45 2016  
Response via : Initial Calibration



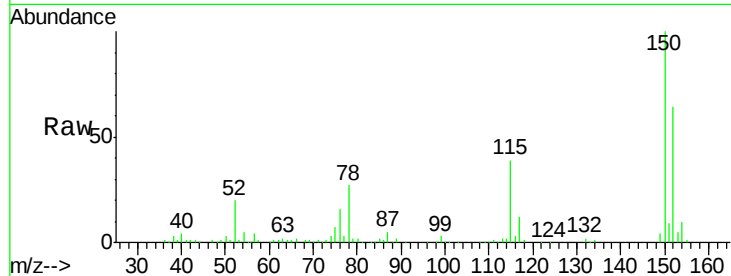


#1

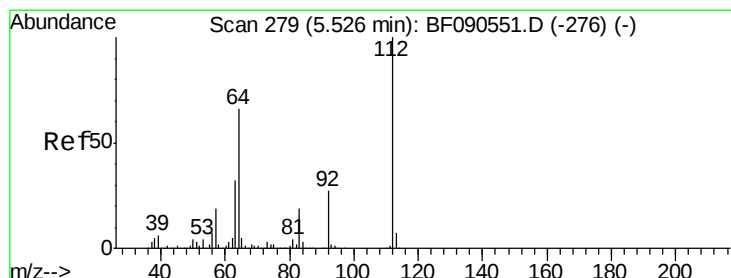
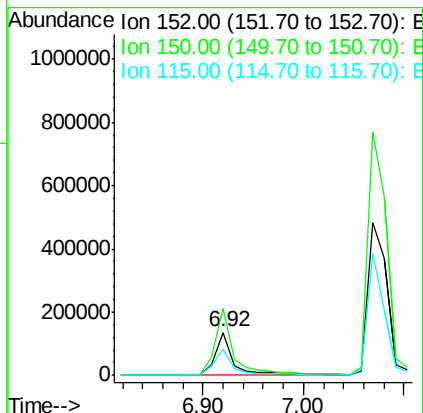
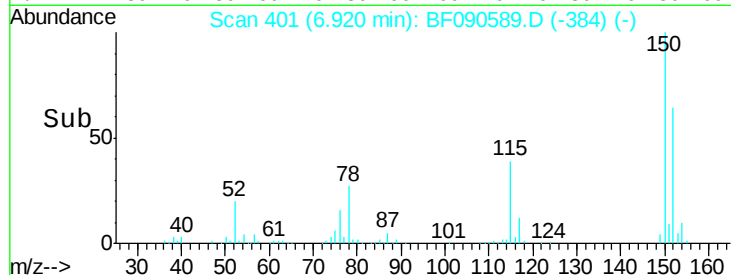
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.92 min Scan# 401  
Delta R.T. -0.00 min  
Lab File: BF090589.D  
Acq: 15 Oct 2016 6:14

Instrument :  
BNA\_F  
ClientSampleId :  
FK-BPM-02-001-D

Tot Ion:152 Resp: 178893  
Ion Ratio Lower Upper  
152 100  
150 155.4 127.2 190.8  
115 61.3 58.6 88.0



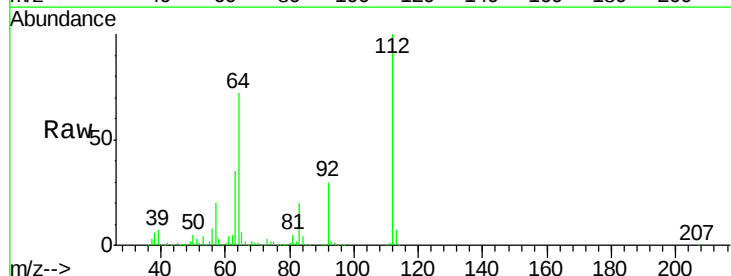
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



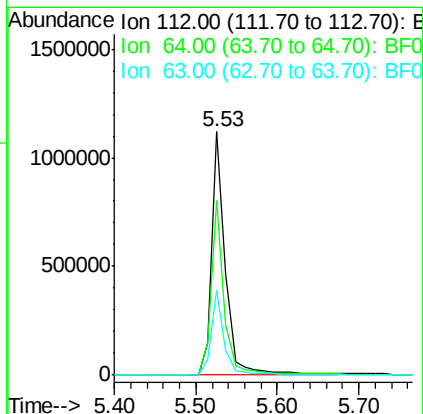
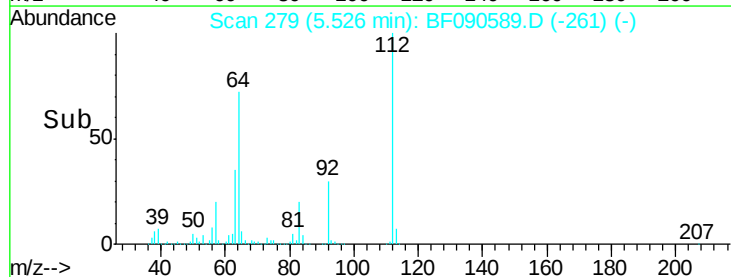
#5

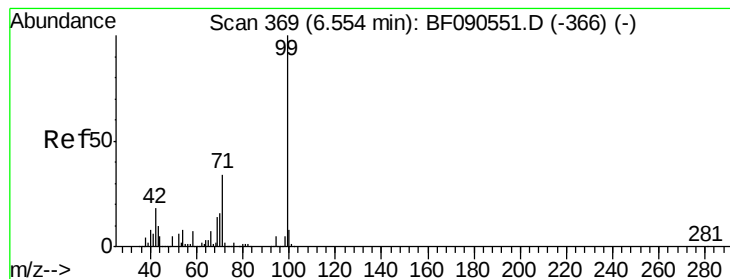
2-Fluorophenol  
Concen: 137.52 ng  
RT: 5.53 min Scan# 279  
Delta R.T. 0.00 min  
Lab File: BF090589.D  
Acq: 15 Oct 2016 6:14

Tgt Ion:112 Resp: 1341917  
Ion Ratio Lower Upper  
112 100  
64 71.7 52.6 78.8  
63 34.9 26.0 39.0



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: 141.27 ng

RT: 6.55 min Scan# 369

Delta R.T. -0.00 min

Lab File: BF090589.D

Acq: 15 Oct 2016 6:14

Instrument :

BNA\_F

ClientSampleId :

FK-BPM-02-001-D

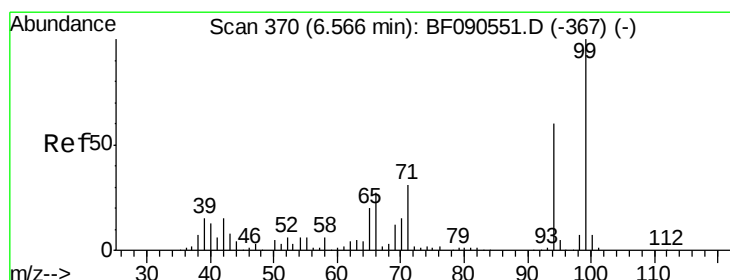
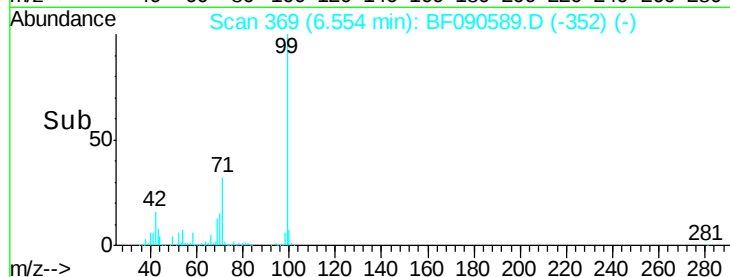
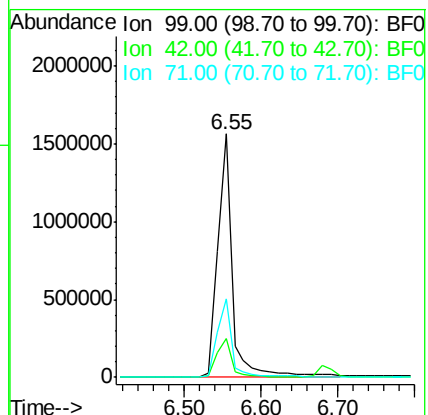
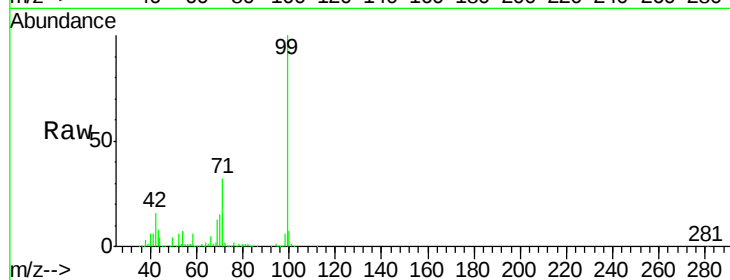
Tot Ion: 99 Resp: 2048376

Ion Ratio Lower Upper

99 100

42 15.9 14.7 22.1

71 32.4 27.6 41.4



#10

Phenol

Concen: 2.42 ng

RT: 6.57 min Scan# 370

Delta R.T. -0.00 min

Lab File: BF090589.D

Acq: 15 Oct 2016 6:14

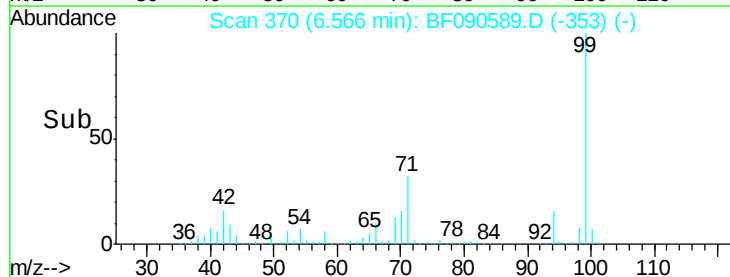
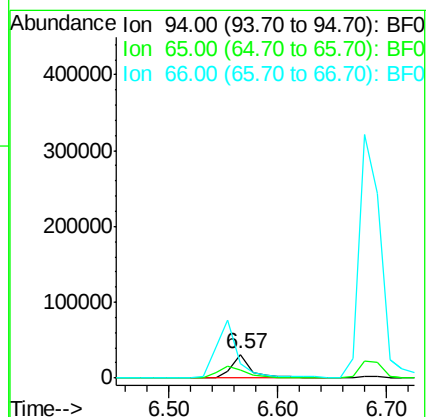
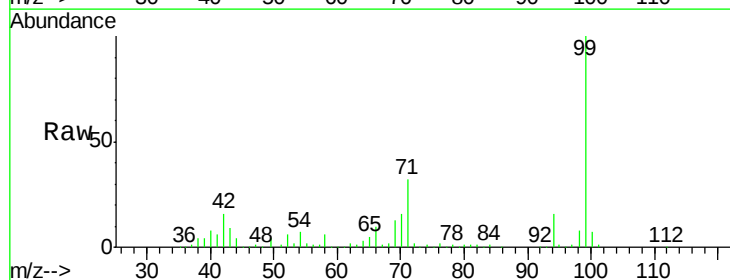
Tgt Ion: 94 Resp: 40122

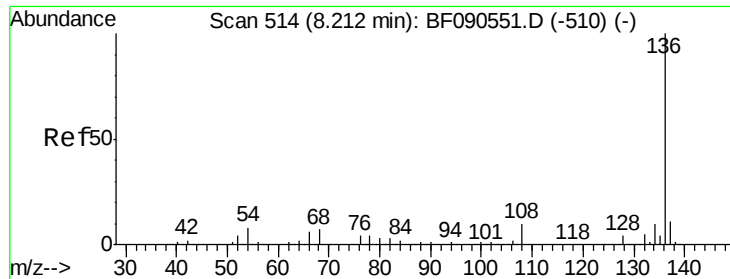
Ion Ratio Lower Upper

94 100

65 32.7 12.5 52.5

66 62.8 25.5 65.5

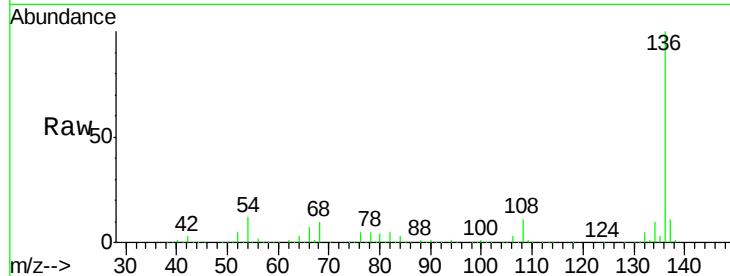




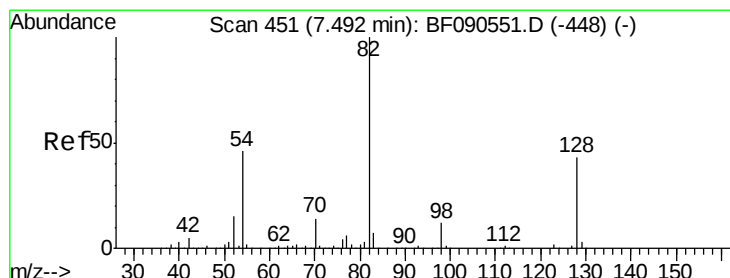
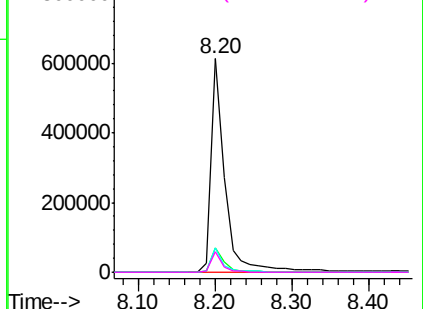
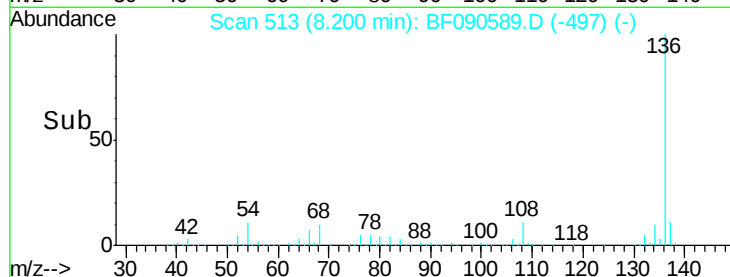
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.20 min Scan# 513  
Delta R.T. -0.01 min  
Lab File: BF090589.D  
Acq: 15 Oct 2016 6:14

Instrument :  
BNA\_F  
ClientSampleId :  
FK-BPM-02-001-D

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 768541 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.5  | 8.8   | 13.2   |
| 54       | 11.6  | 6.8   | 10.2#  |
| 68       | 9.5   | 6.0   | 9.0#   |

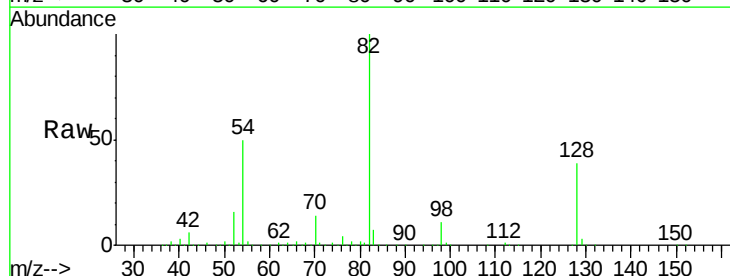


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

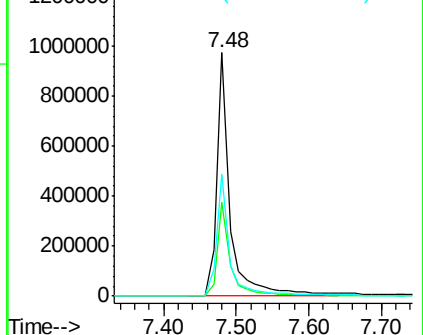
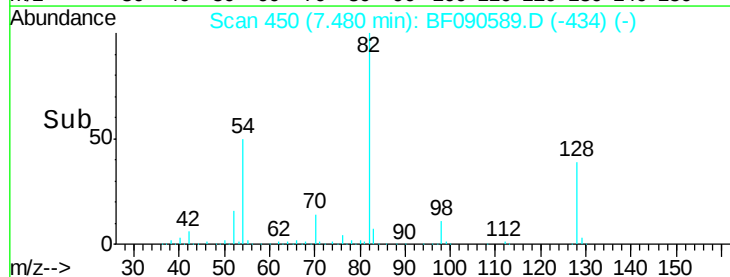


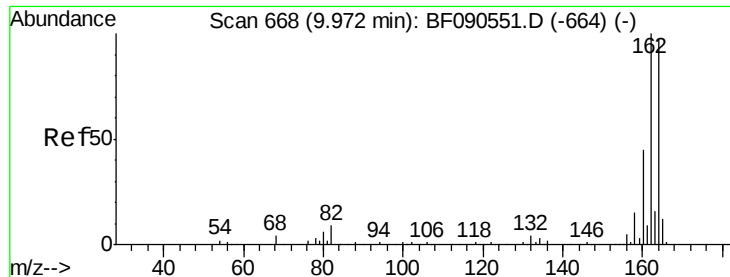
#23  
Nitrobenzene-d5  
Concen: 90.67 ng  
RT: 7.48 min Scan# 450  
Delta R.T. -0.01 min  
Lab File: BF090589.D  
Acq: 15 Oct 2016 6:14

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1254379 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 38.8  | 34.3  | 51.5    |
| 54       | 49.9  | 37.0  | 55.6    |



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

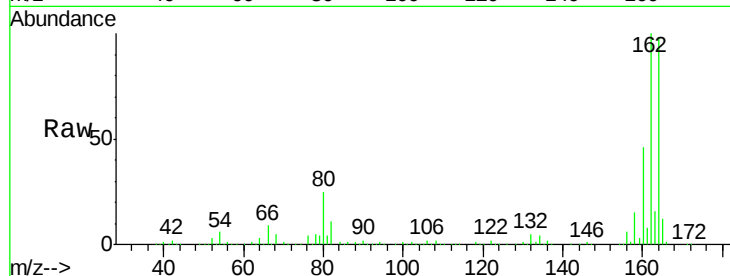




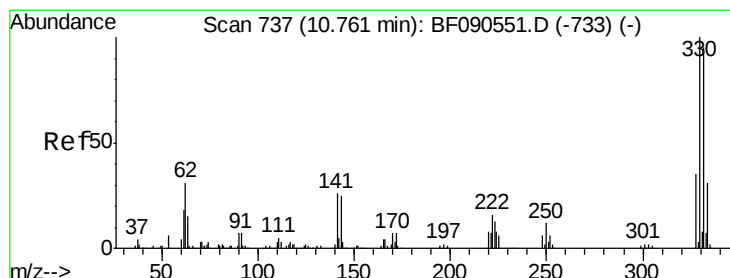
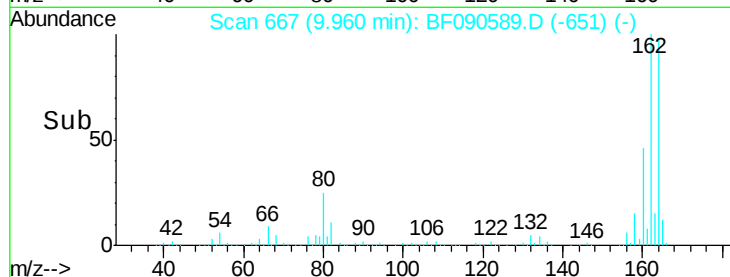
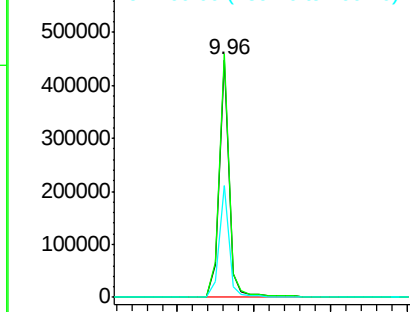
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.96 min Scan# 667  
Delta R.T. -0.01 min  
Lab File: BF090589.D  
Acq: 15 Oct 2016 6:14

Instrument :  
BNA\_F  
ClientSampleId :  
FK-BPM-02-001-D

Tot Ion:164 Resp: 408004  
Ion Ratio Lower Upper  
164 100  
162 102.5 82.2 123.4  
160 47.1 36.6 55.0

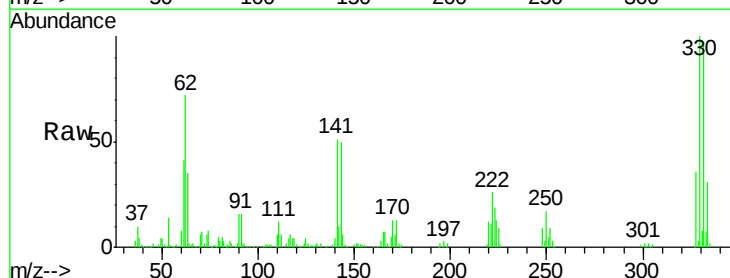


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

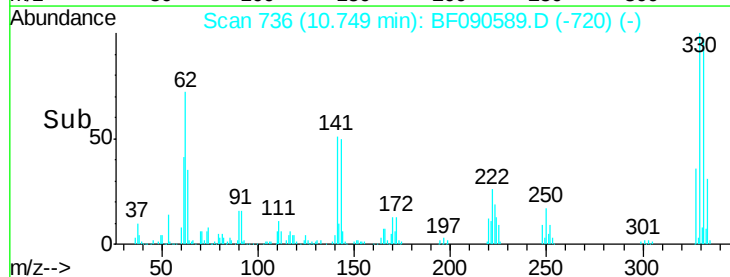
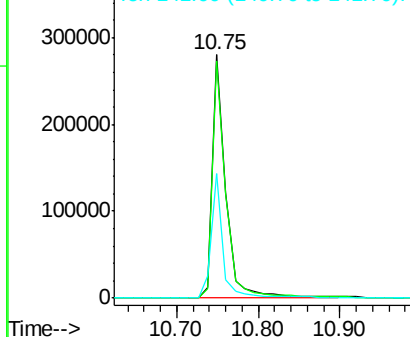


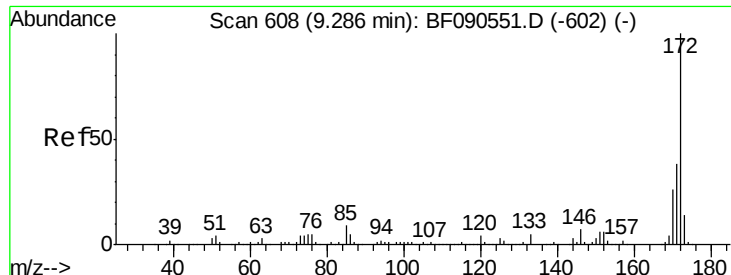
#41  
2,4,6-Tribromophenol  
Concen: 89.69 ng  
RT: 10.75 min Scan# 736  
Delta R.T. -0.01 min  
Lab File: BF090589.D  
Acq: 15 Oct 2016 6:14

Tgt Ion:330 Resp: 326264  
Ion Ratio Lower Upper  
330 100  
332 97.3 76.2 114.2  
141 46.3 31.4 47.2



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

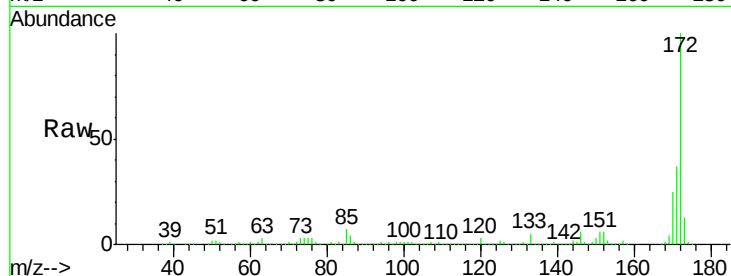




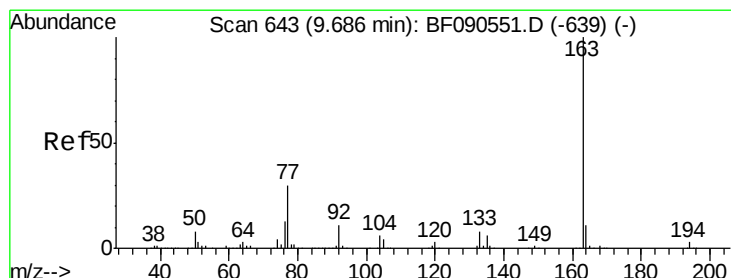
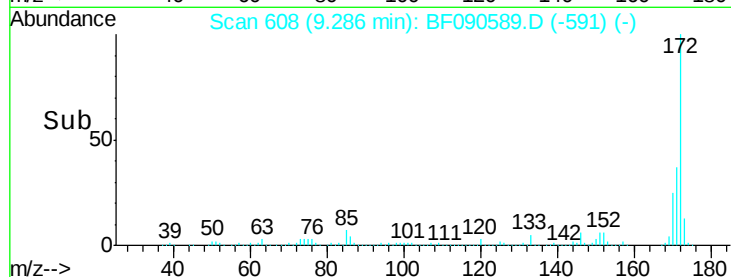
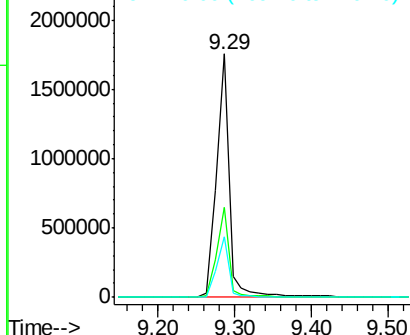
#44  
2-Fluorobiphenyl  
Concen: 81.88 ng  
RT: 9.29 min Scan# 608  
Delta R.T. -0.00 min  
Lab File: BF090589.D  
Acq: 15 Oct 2016 6:14

Instrument :  
BNA\_F  
ClientSampleId :  
FK-BPM-02-001-D

Tot Ion:172 Resp: 2027482  
Ion Ratio Lower Upper  
172 100  
171 36.9 30.1 45.1  
170 25.1 20.6 30.8

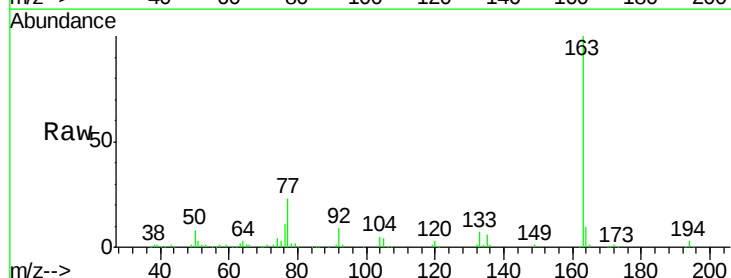


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

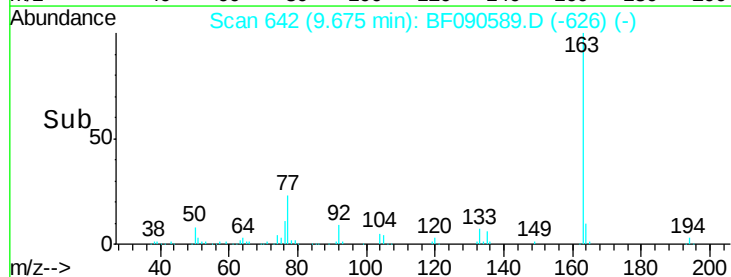
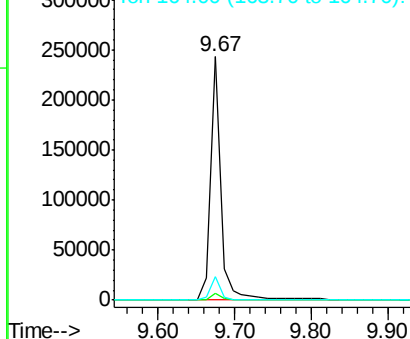


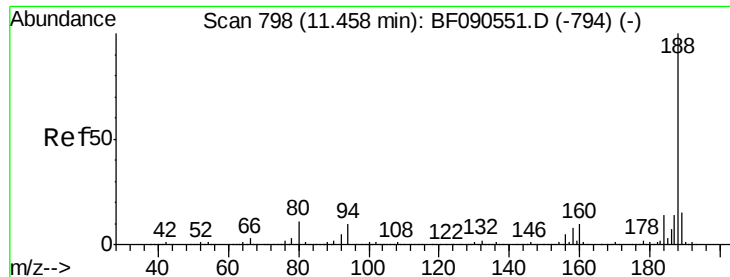
#49  
Dimethylphthalate  
Concen: 8.63 ng  
RT: 9.67 min Scan# 642  
Delta R.T. -0.01 min  
Lab File: BF090589.D  
Acq: 15 Oct 2016 6:14

Tgt Ion:163 Resp: 228451  
Ion Ratio Lower Upper  
163 100  
194 3.0 2.3 3.5  
164 9.9 8.6 13.0



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

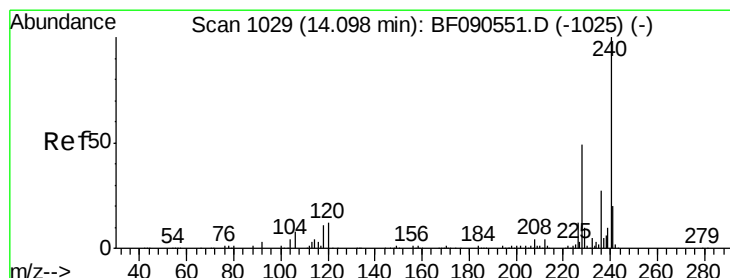
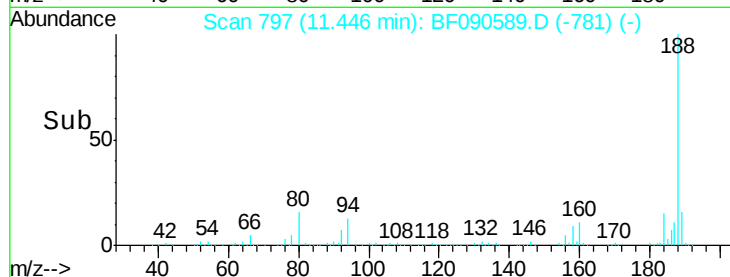
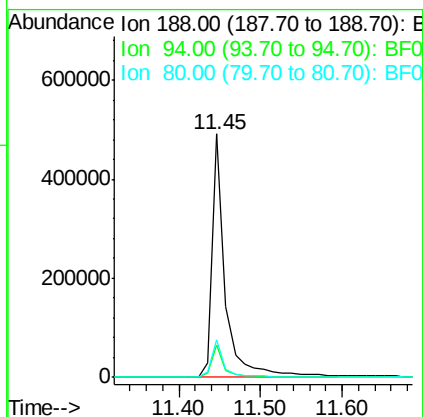
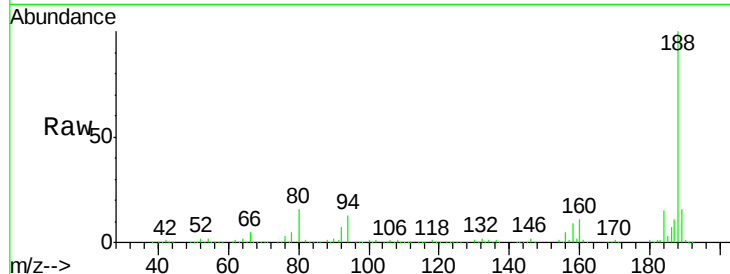




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.45 min Scan# 797  
Delta R.T. -0.01 min  
Lab File: BF090589.D  
Acq: 15 Oct 2016 6:14

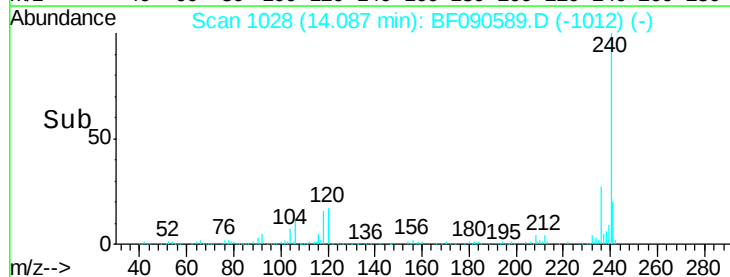
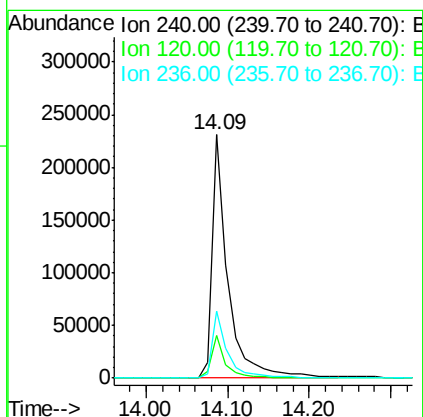
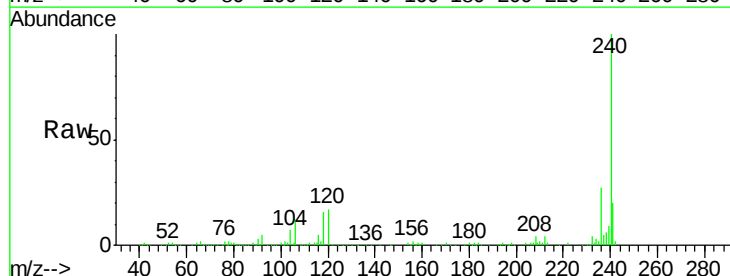
Instrument :  
BNA\_F  
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FK-BPM-02-001-D

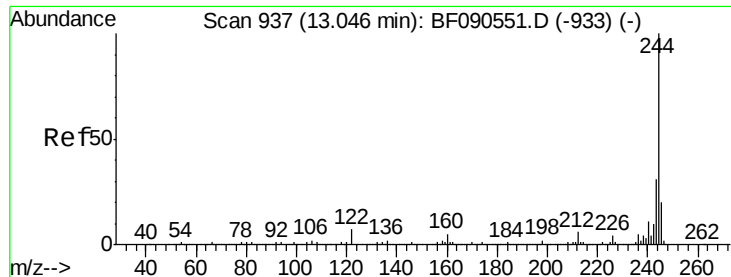
Tot Ion:188 Resp: 566381  
Ion Ratio Lower Upper  
188 100  
94 13.5 7.7 11.5#  
80 15.6 8.6 12.8#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.09 min Scan# 1028  
Delta R.T. -0.01 min  
Lab File: BF090589.D  
Acq: 15 Oct 2016 6:14

Tgt Ion:240 Resp: 315565  
Ion Ratio Lower Upper  
240 100  
120 17.5 9.8 14.8#  
236 27.5 21.7 32.5

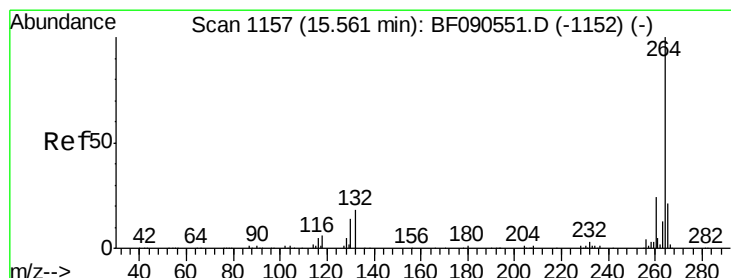
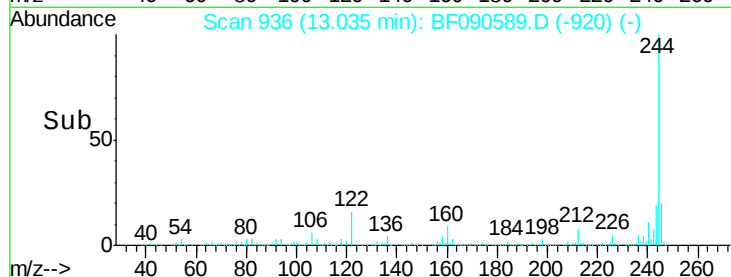
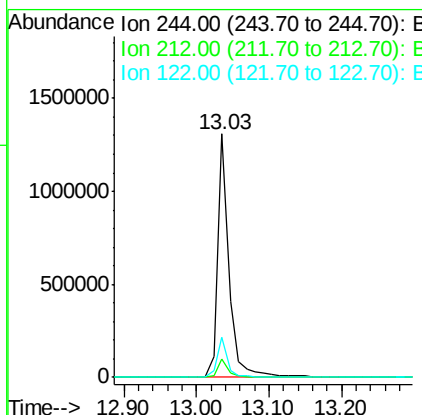
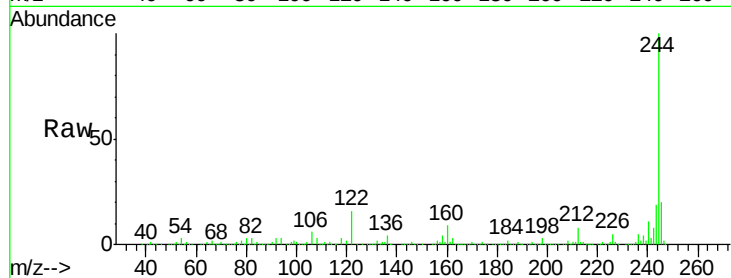




#78  
 Terphenyl-d14  
 Concen: 105.03 ng  
 RT: 13.03 min Scan# 936  
 Delta R.T. -0.01 min  
 Lab File: BF090589.D  
 Acq: 15 Oct 2016 6:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-BPM-02-001-D

Tot Ion:244 Resp: 1423418  
 Ion Ratio Lower Upper  
 244 100  
 212 7.8 5.0 7.4#  
 122 16.4 5.6 8.4#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.55 min Scan# 1156  
 Delta R.T. -0.01 min  
 Lab File: BF090589.D  
 Acq: 15 Oct 2016 6:14

Tgt Ion:264 Resp: 291617  
 Ion Ratio Lower Upper  
 264 100  
 260 24.4 19.3 28.9  
 265 22.0 16.7 25.1

