

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF080516\  
 Data File : BF089652.D  
 Acq On : 6 Aug 2016 5:51  
 Operator : UM/SJ  
 Sample : H4351-02  
 Misc :  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CORE-E

Quant Time: Aug 06 06:24:56 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF080416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 05 01:39:23 2016  
 Response via : Initial Calibration

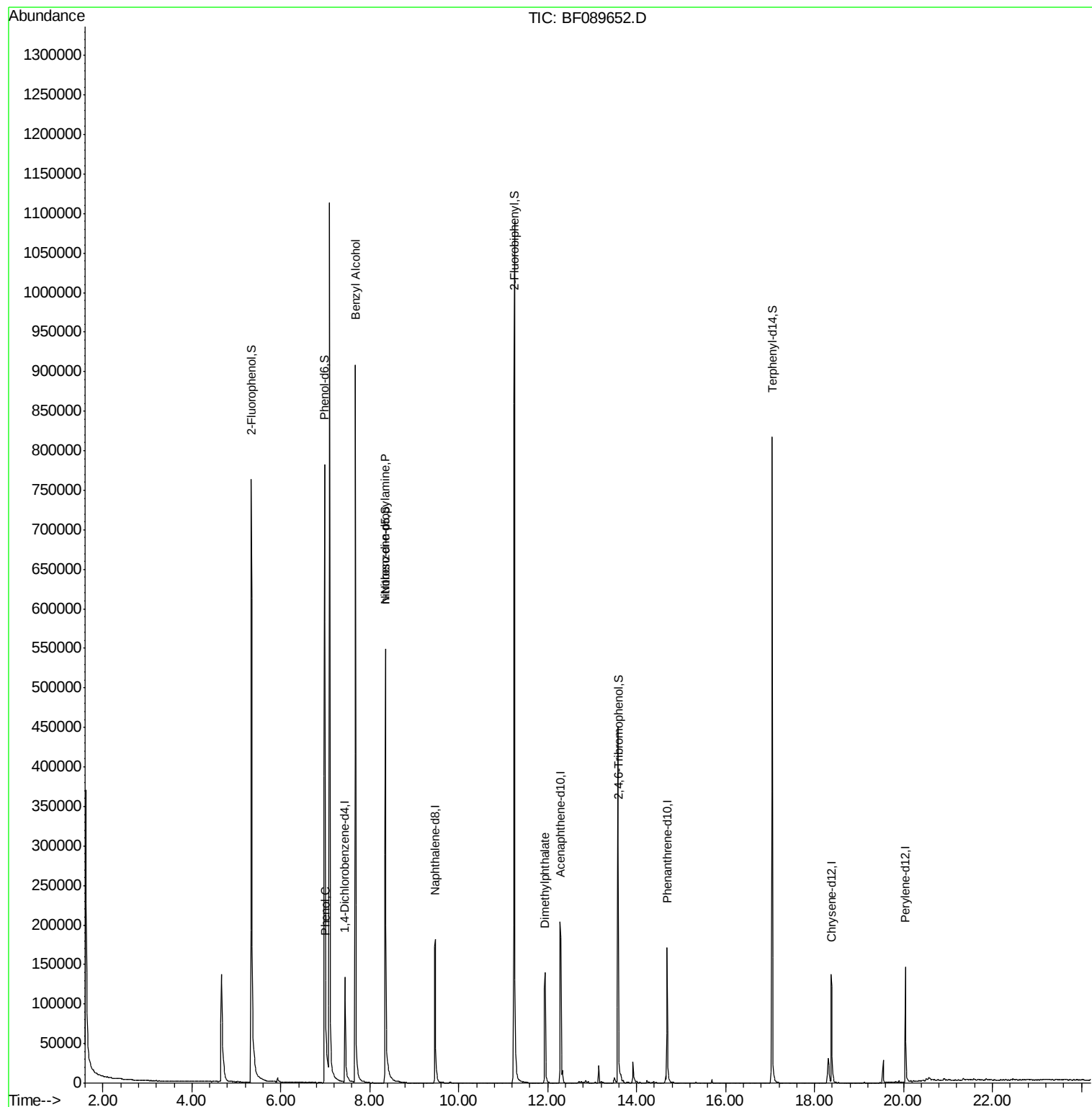
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.44  | 152  | 42354    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 9.47  | 136  | 167348   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 12.29 | 164  | 70344    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 14.69 | 188  | 104720   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 18.39 | 240  | 85194    | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 20.05 | 264  | 71676    | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.34  | 112  | 419465   | 165.99 | ng    | 0.02     |
| 7) Phenol-d6                   | 6.98  | 99   | 556877   | 162.45 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 8.35  | 82   | 328468   | 108.57 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 13.59 | 330  | 75006    | 129.21 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 11.26 | 172  | 575100   | 106.25 | ng    | 0.00     |
| 78) Terphenyl-d14              | 17.05 | 244  | 324050   | 75.09  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.00  | 94   | 7312     | 2.08   | ng    | # 30     |
| 15) Benzyl Alcohol             | 7.68  | 79   | 5518     | 2.45   | ng    | # 49     |
| 19) n-Nitroso-di-n-propylamine | 8.35  | 70   | 39643    | 16.01  | ng    | # 83     |
| 49) Dimethylphthalate          | 11.94 | 163  | 103804   | 18.83  | ng    | 99       |

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.44 min Scan# 512

Delta R.T. -0.01 min

Lab File: BF089652.D

Acq: 6 Aug 2016 5:51

Instrument :

BNA\_F

ClientSampleId :

CORE-E

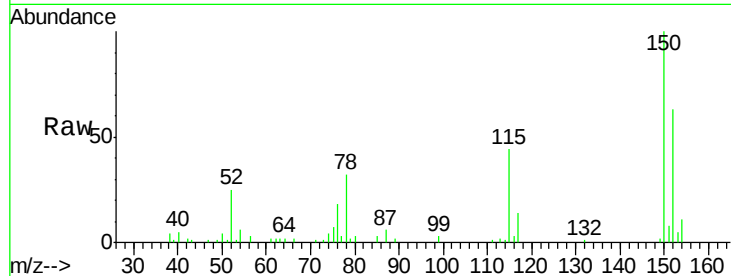
Tgt Ion:152 Resp: 42354

Ion Ratio Lower Upper

152 100

150 158.2 125.5 188.3

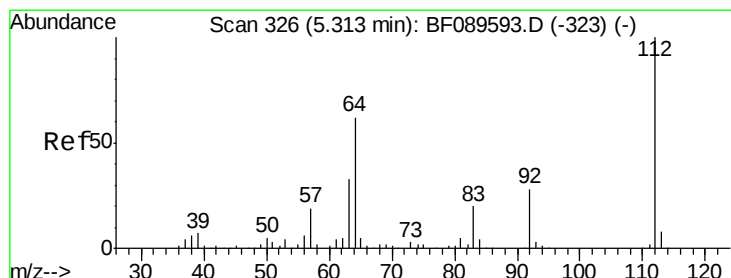
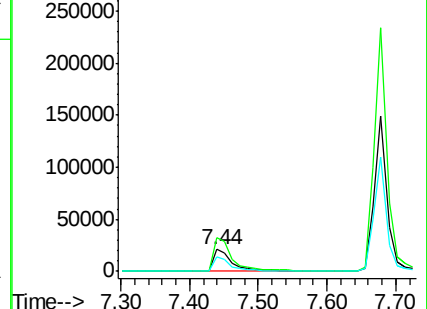
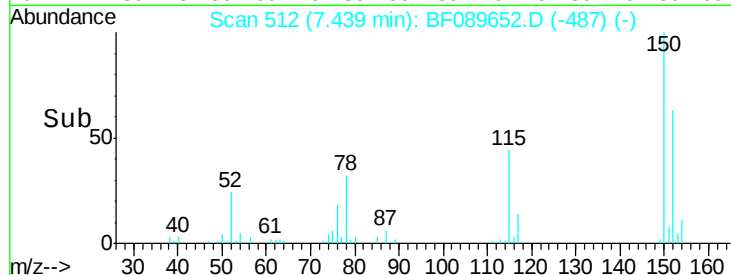
115 69.8 52.0 78.0



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: 165.99 ng

RT: 5.34 min Scan# 328

Delta R.T. 0.02 min

Lab File: BF089652.D

Acq: 6 Aug 2016 5:51

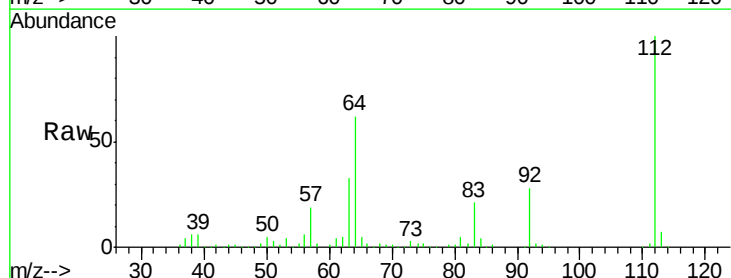
Tgt Ion:112 Resp: 419465

Ion Ratio Lower Upper

112 100

64 61.6 49.9 74.9

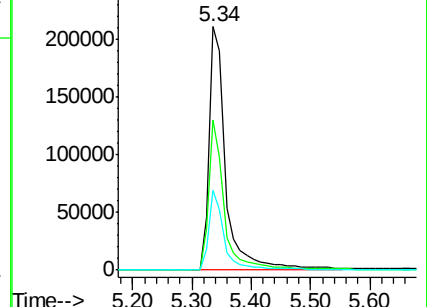
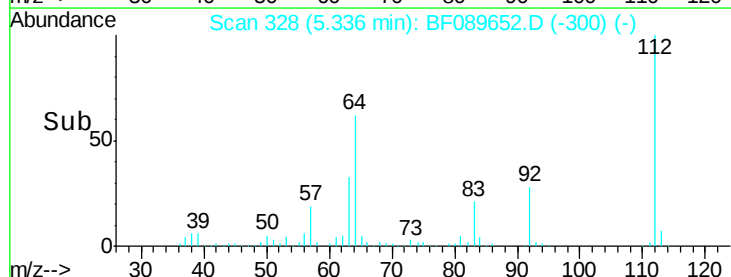
63 32.7 26.1 39.1



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: 162.45 ng

RT: 6.98 min Scan# 472

Delta R.T. 0.00 min

Lab File: BF089652.D

Acq: 6 Aug 2016 5:51

Instrument :

BNA\_F

ClientSampleId :

CORE-E

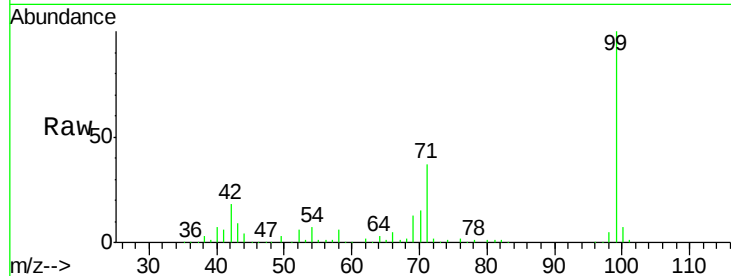
Tgt Ion: 99 Resp: 556877

Ion Ratio Lower Upper

99 100

42 17.8 13.7 20.5

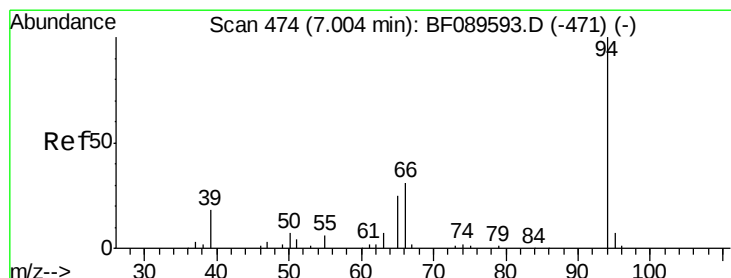
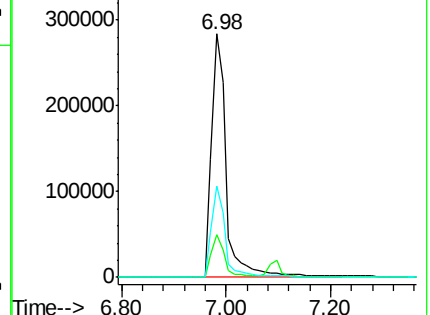
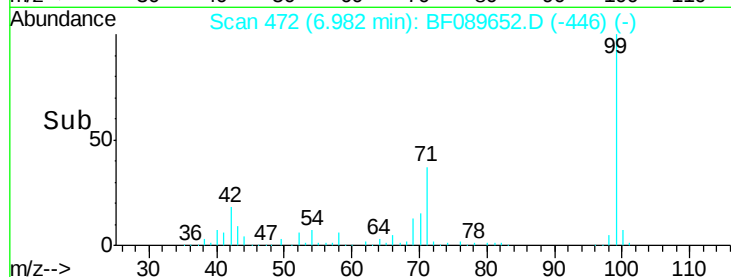
71 37.4 29.0 43.4



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



#10

Phenol

Concen: 2.08 ng

RT: 7.00 min Scan# 474

Delta R.T. 0.00 min

Lab File: BF089652.D

Acq: 6 Aug 2016 5:51

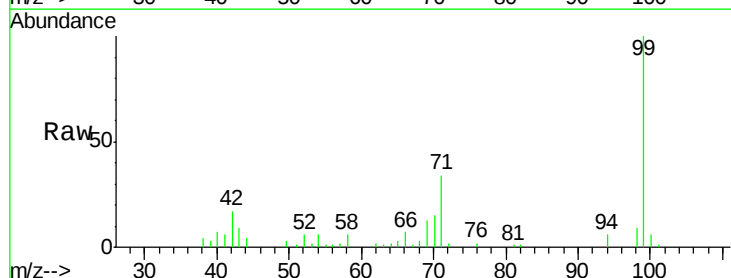
Tgt Ion: 94 Resp: 7312

Ion Ratio Lower Upper

94 100

65 41.1 11.0 51.0

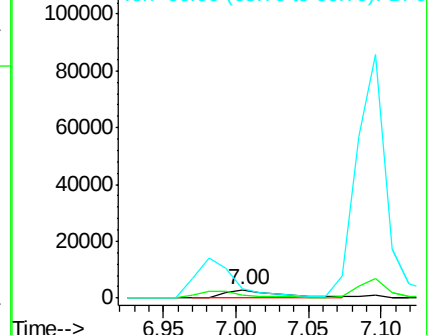
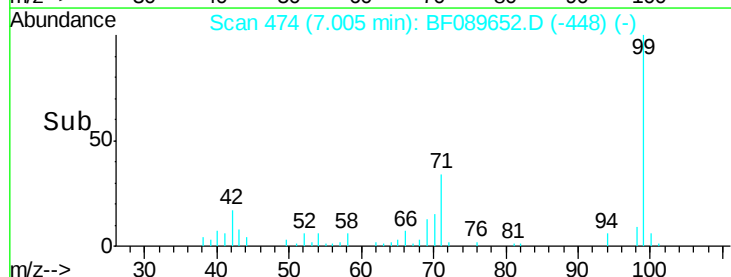
66 117.1 27.4 67.4#

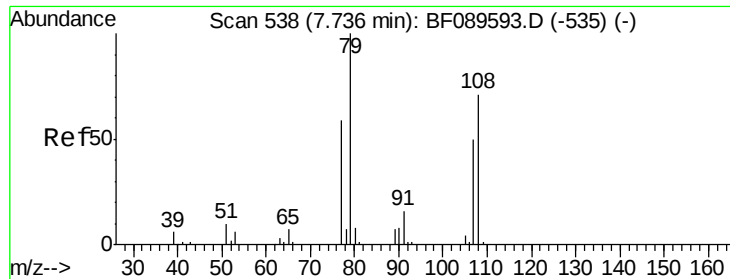


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.45 ng

RT: 7.68 min Scan# 533

Delta R.T. -0.06 min

Lab File: BF089652.D

Acq: 6 Aug 2016 5:51

Instrument :

BNA\_F

ClientSampleId :

CORE-E

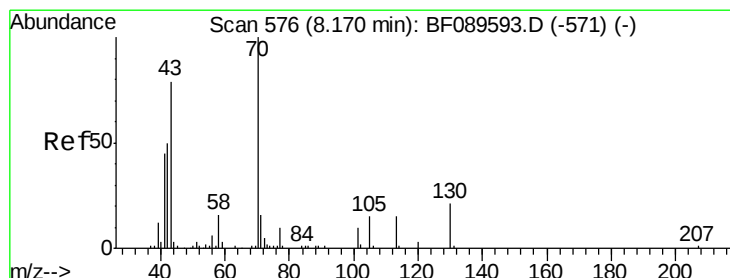
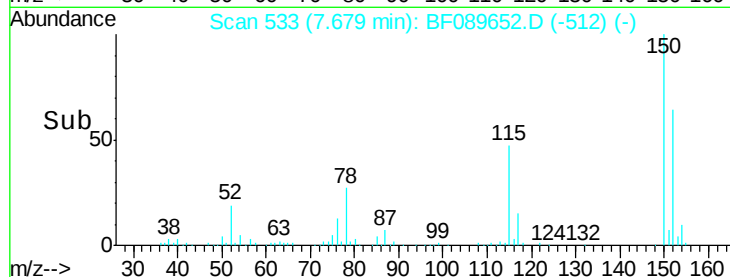
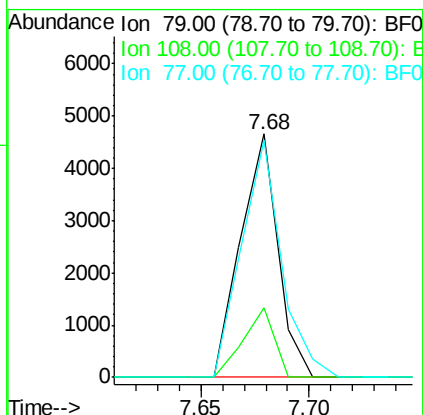
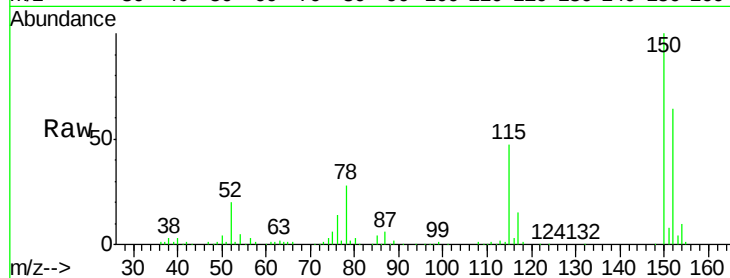
Tgt Ion: 79 Resp: 5518

Ion Ratio Lower Upper

79 100

108 28.6 58.3 87.5#

77 97.4 48.7 73.1#



#19

n-Nitroso-di-n-propylamine

Concen: 16.01 ng

RT: 8.35 min Scan# 592

Delta R.T. 0.18 min

Lab File: BF089652.D

Acq: 6 Aug 2016 5:51

Tgt Ion: 70 Resp: 39643

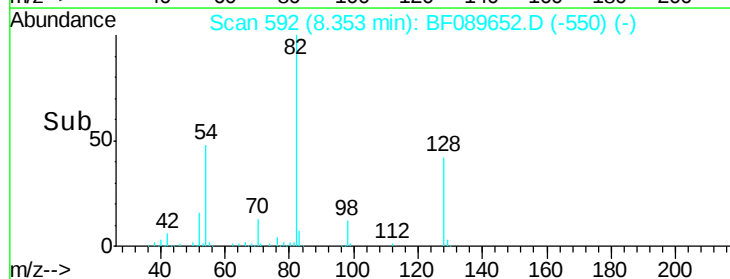
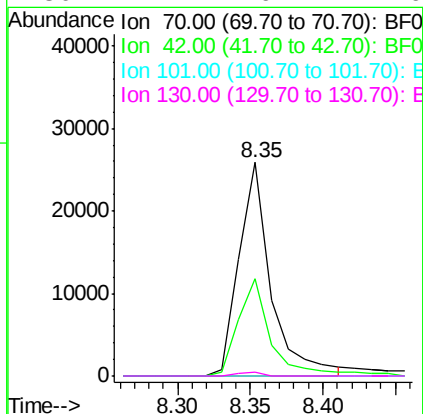
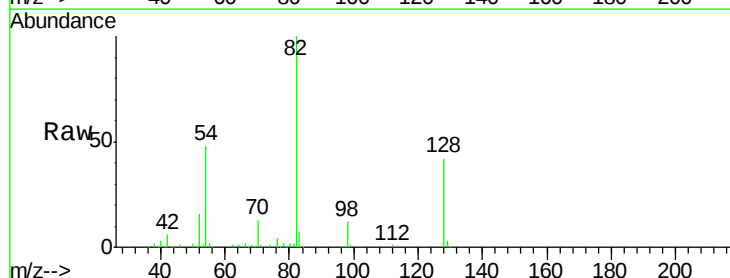
Ion Ratio Lower Upper

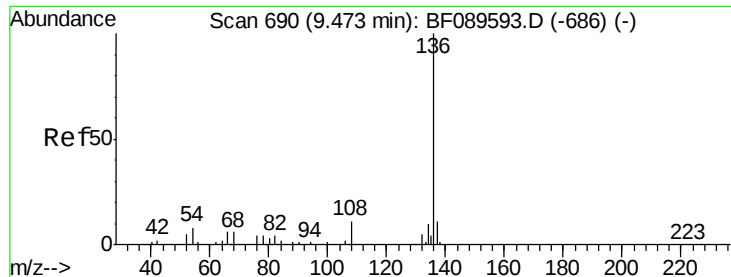
70 100

42 45.8 40.2 60.2

101 0.0 7.8 11.6#

130 2.1 16.4 24.6#

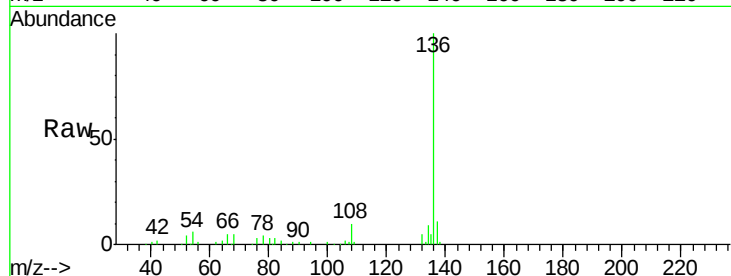




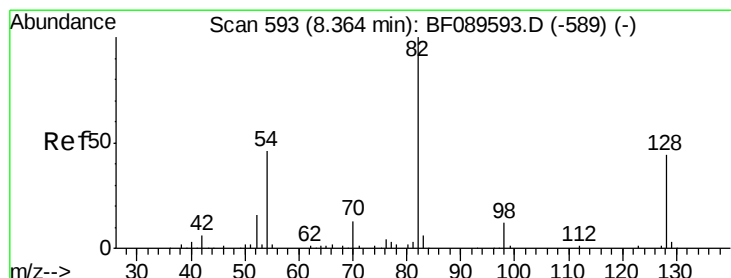
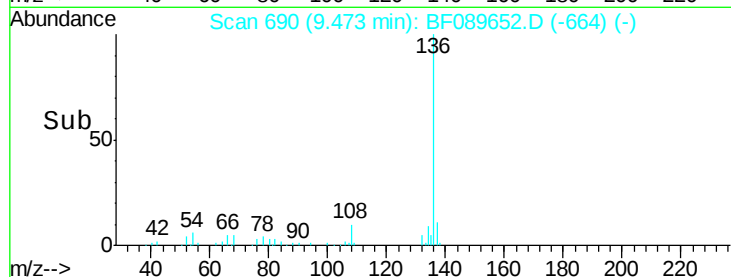
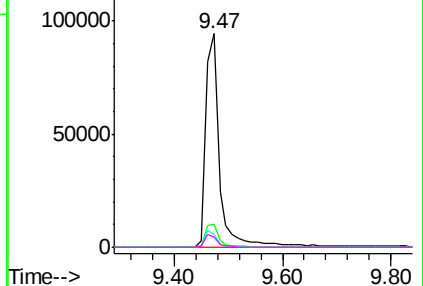
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 9.47 min Scan# 690  
Delta R.T. 0.00 min  
Lab File: BF089652.D  
Acq: 6 Aug 2016 5:51

Instrument :  
BNA\_F  
ClientSampleId :  
CORE-E

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 167348 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 8.6   | 12.8   |
| 54       | 6.3   | 6.0   | 9.0    |
| 68       | 5.0   | 4.6   | 6.8    |

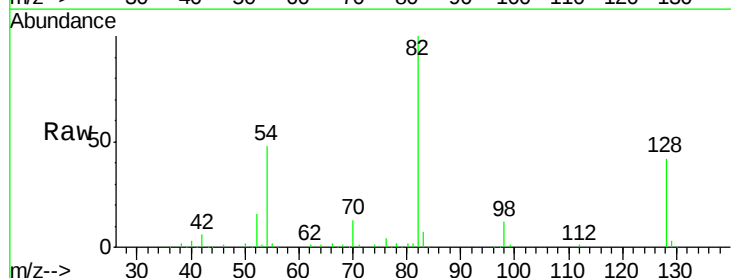


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

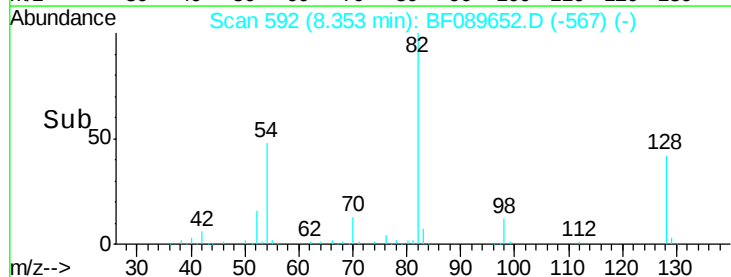
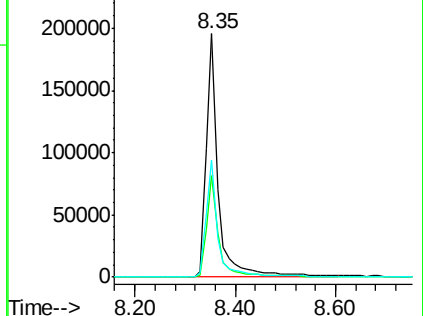


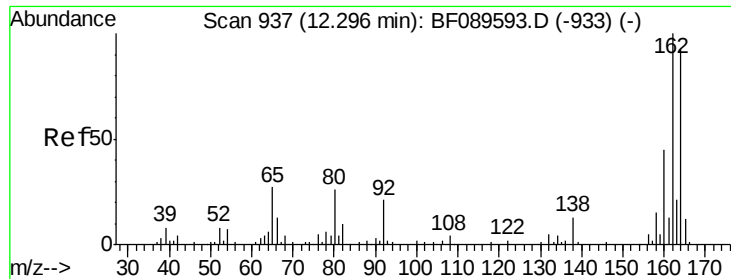
#23  
Nitrobenzene-d5  
Concen: 108.57 ng  
RT: 8.35 min Scan# 592  
Delta R.T. -0.01 min  
Lab File: BF089652.D  
Acq: 6 Aug 2016 5:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 328468 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 41.9  | 35.4  | 53.0   |
| 54       | 47.9  | 36.4  | 54.6   |



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

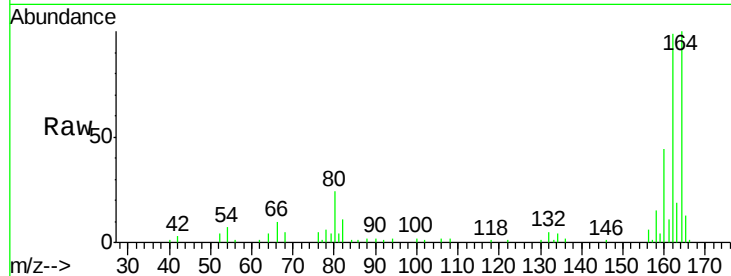




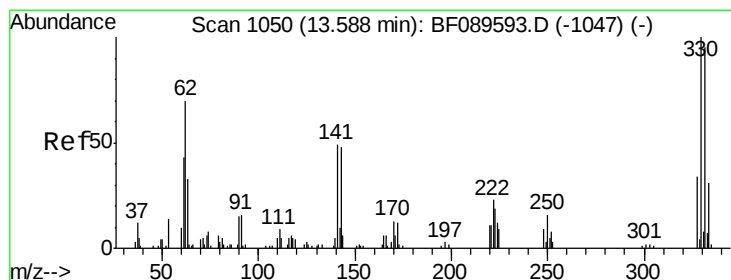
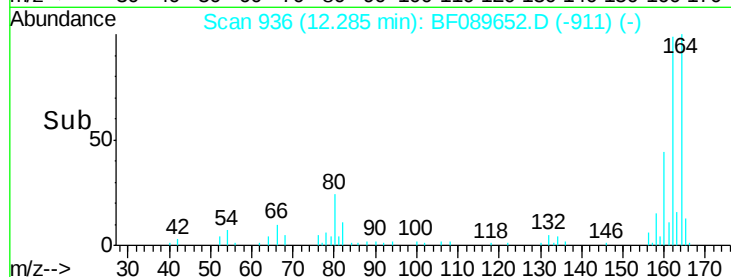
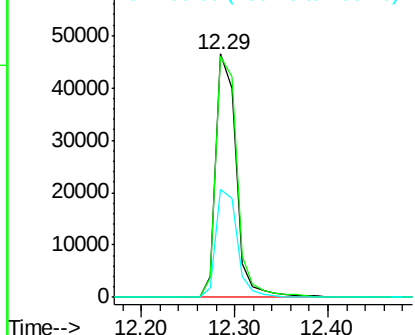
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 12.29 min Scan# 936  
 Delta R.T. -0.01 min  
 Lab File: BF089652.D  
 Acq: 6 Aug 2016 5:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CORE-E

Tgt Ion:164 Resp: 70344  
 Ion Ratio Lower Upper  
 164 100  
 162 99.1 85.7 128.5  
 160 44.2 38.2 57.4

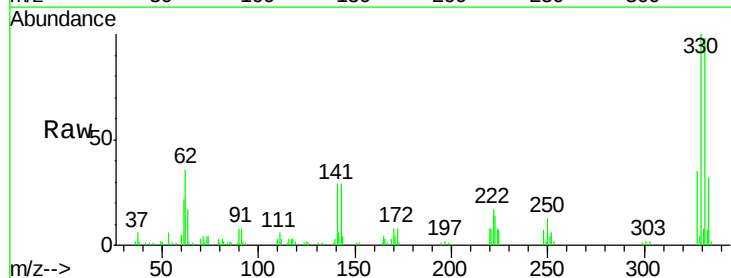


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

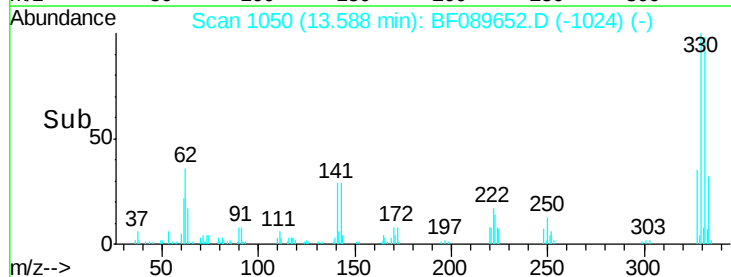
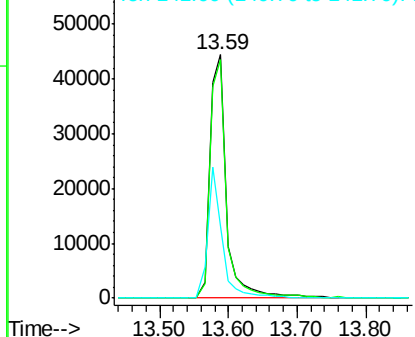


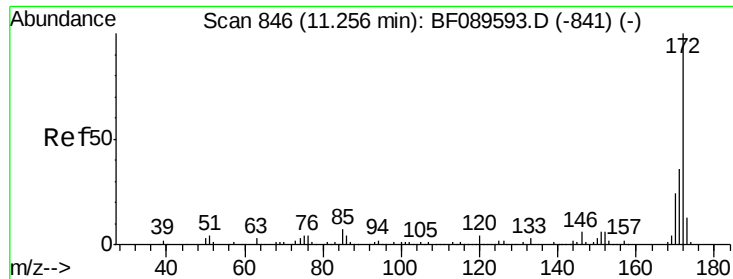
#41  
 2,4,6-Tribromophenol  
 Concen: 129.21 ng  
 RT: 13.59 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: BF089652.D  
 Acq: 6 Aug 2016 5:51

Tgt Ion:330 Resp: 75006  
 Ion Ratio Lower Upper  
 330 100  
 332 97.6 77.0 115.6  
 141 46.3 38.6 57.8



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

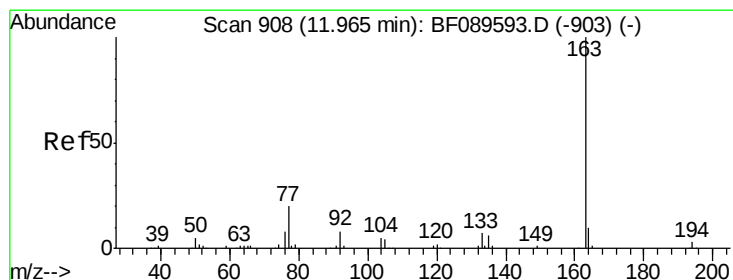
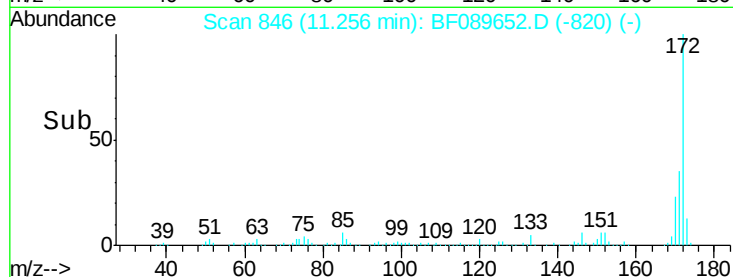
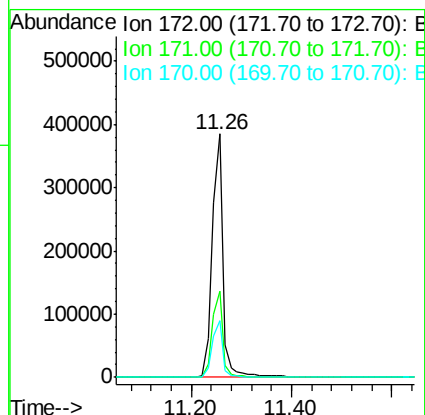
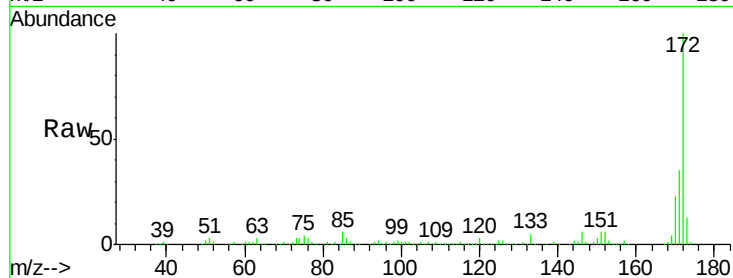




#44  
 2-Fluorobiphenyl  
 Concen: 106.25 ng  
 RT: 11.26 min Scan# 846  
 Delta R.T. 0.00 min  
 Lab File: BF089652.D  
 Acq: 6 Aug 2016 5:51

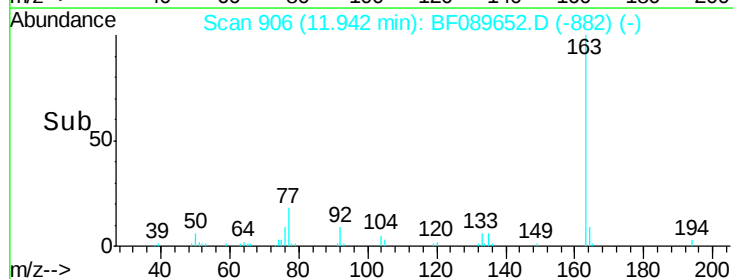
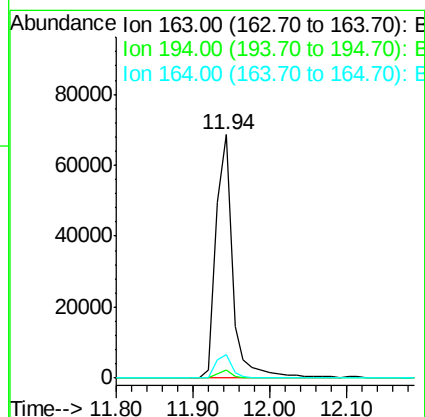
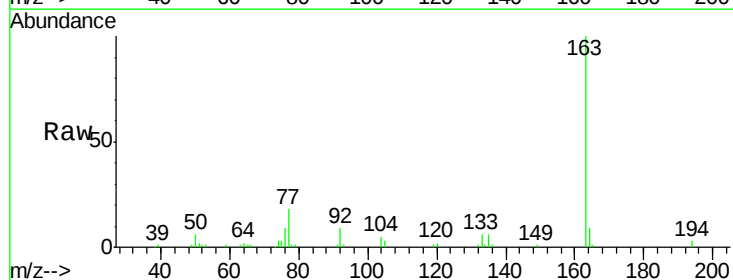
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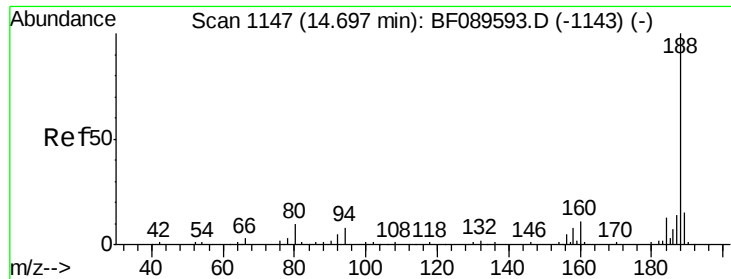
Tgt Ion:172 Resp: 575100  
 Ion Ratio Lower Upper  
 172 100  
 171 35.3 28.9 43.3  
 170 23.4 19.0 28.6



#49  
 Dimethylphthalate  
 Concen: 18.83 ng  
 RT: 11.94 min Scan# 906  
 Delta R.T. -0.02 min  
 Lab File: BF089652.D  
 Acq: 6 Aug 2016 5:51

Tgt Ion:163 Resp: 103804  
 Ion Ratio Lower Upper  
 163 100  
 194 3.3 2.7 4.1  
 164 9.5 7.8 11.6

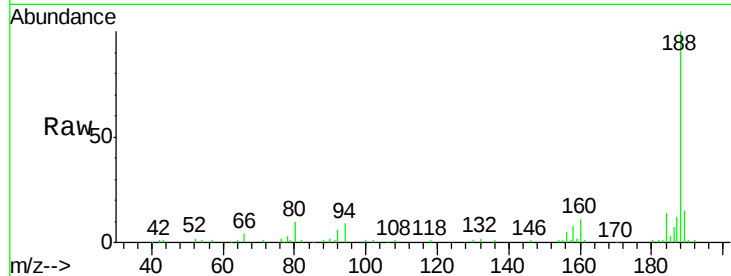




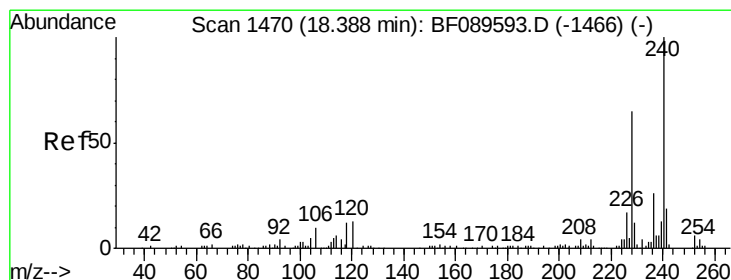
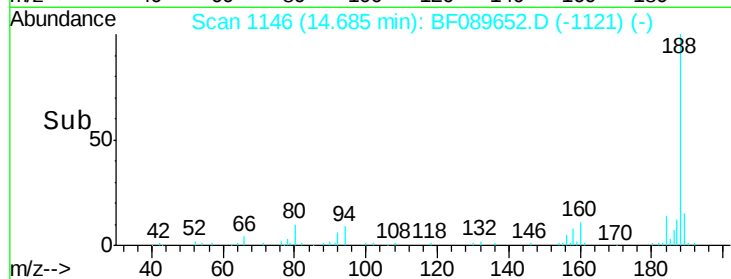
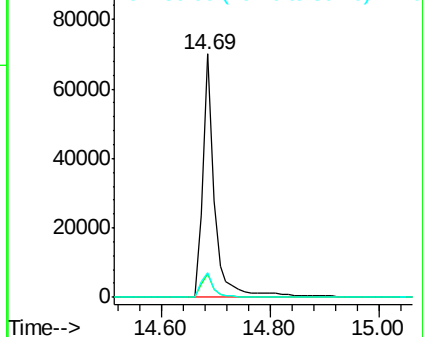
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 14.69 min Scan# 1146  
 Delta R.T. -0.01 min  
 Lab File: BF089652.D  
 Acq: 6 Aug 2016 5:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CORE-E

Tgt Ion:188 Resp: 104720  
 Ion Ratio Lower Upper  
 188 100  
 94 9.4 6.5 9.7  
 80 10.4 8.0 12.0

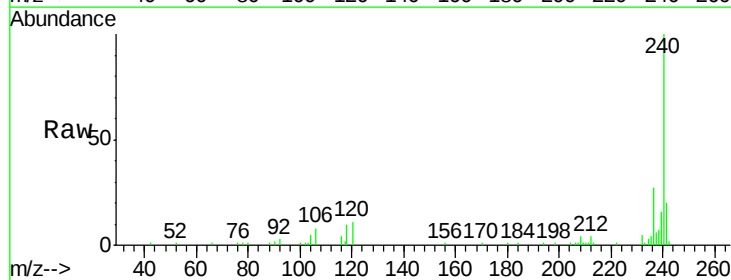


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

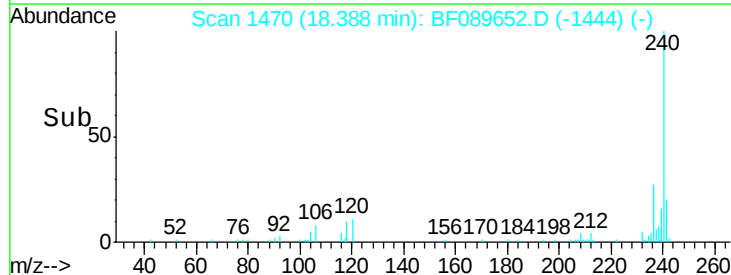
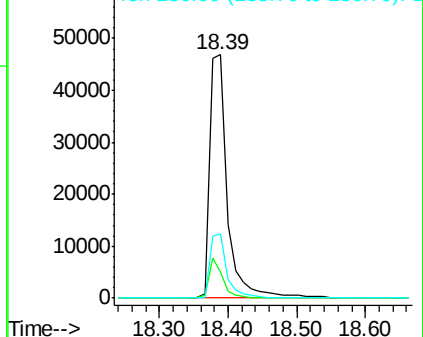


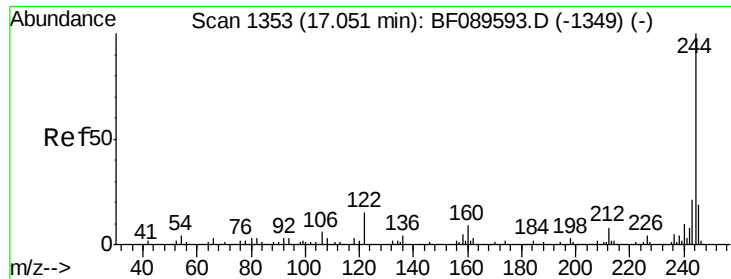
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 18.39 min Scan# 1470  
 Delta R.T. 0.00 min  
 Lab File: BF089652.D  
 Acq: 6 Aug 2016 5:51

Tgt Ion:240 Resp: 85194  
 Ion Ratio Lower Upper  
 240 100  
 120 10.7 10.6 15.8  
 236 26.5 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

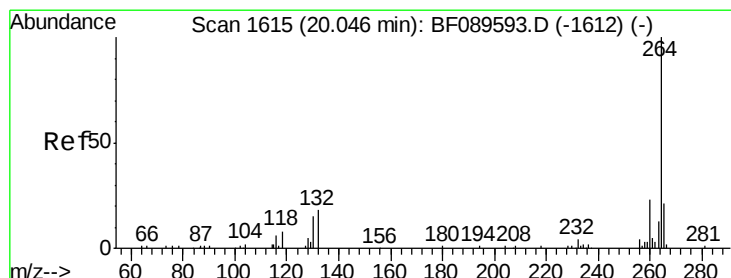
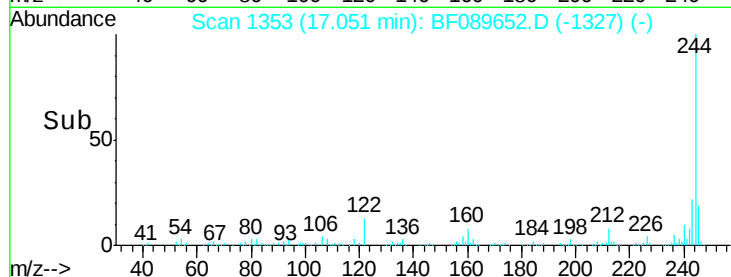
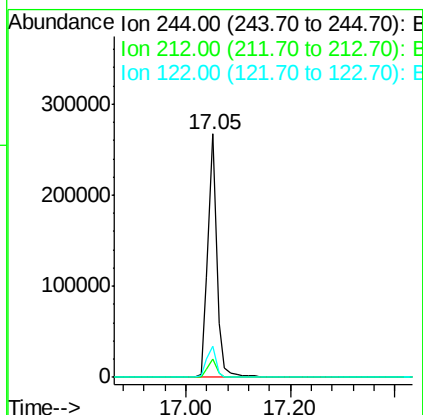
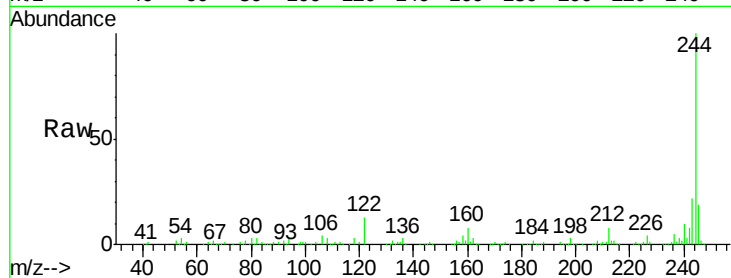




#78  
 Terphenyl-d14  
 Concen: 75.09 ng  
 RT: 17.05 min Scan# 1353  
 Delta R.T. 0.00 min  
 Lab File: BF089652.D  
 Acq: 6 Aug 2016 5:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CORE-E

Tgt Ion:244 Resp: 324050  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 6.4 9.6  
 122 12.7 12.2 18.2



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 20.05 min Scan# 1615  
 Delta R.T. 0.00 min  
 Lab File: BF089652.D  
 Acq: 6 Aug 2016 5:51

Tgt Ion:264 Resp: 71676  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 18.7 28.1  
 265 20.7 16.5 24.7

