

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF033016\  
 Data File : BF085897.D  
 Acq On : 30 Mar 2016 20:21  
 Operator : UM/SJ  
 Sample : H2027-05  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

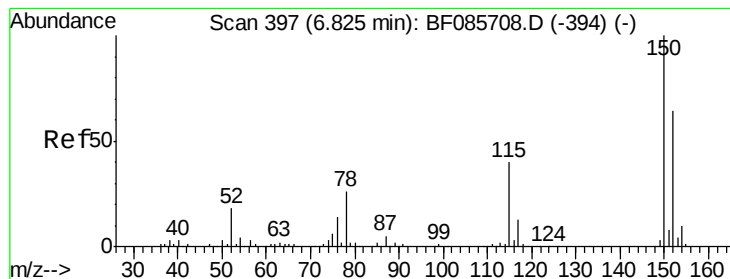
Instrument :  
 BNA\_F  
 ClientSampleId :  
 GRID-18COMP

Quant Time: Mar 30 23:47:31 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 30 12:31:18 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.80  | 152  | 102293   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.08  | 136  | 410540   | 20.00     | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.84  | 164  | 168708   | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.32 | 188  | 283468   | 20.00     | ng    | -0.01    |
| 75) Chrysene-d12               | 13.96 | 240  | 203656   | 20.00     | ng    | -0.01    |
| 86) Perylene-d12               | 15.37 | 264  | 206200   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.40  | 112  | 792807   | 129.08    | ng    | 0.00     |
| 7) Phenol-d6                   | 6.44  | 99   | 1120561  | 143.49    | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.36  | 82   | 633417   | 86.89     | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.63 | 330  | 230215   | 143.62    | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.17  | 172  | 1042806  | 103.27    | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.91 | 244  | 694945   | 70.18     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.36  | 70   | 80188    | 17.15     | ng    | # 81     |
| 25) Isophorone                 | 7.36  | 82   | 586566   | 41.77     | ng    | # 68     |
| 37) 2-Methylnaphthalene        | 8.80  | 142  | 533      | Below Cal |       | # 93     |
| 49) Dimethylphthalate          | 9.56  | 163  | 177727   | 13.89     | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.84  | 165  | 21741    | 6.21      | ng    | # 36     |
| 66) 4-Bromophenyl-phenylether  | 10.63 | 248  | 15731    | 5.42      | ng    | # 1      |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 395

Delta R.T. -0.00 min

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GRID-18COMP

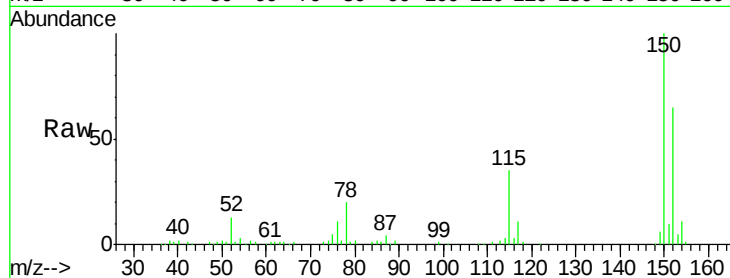
Tgt Ion:152 Resp: 102293

Ion Ratio Lower Upper

152 100

150 154.6 124.2 186.2

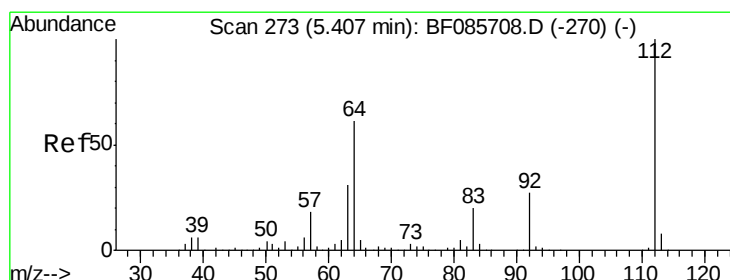
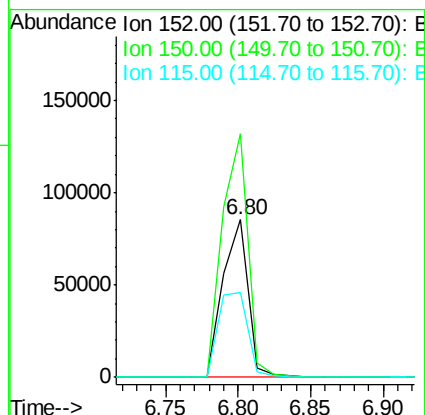
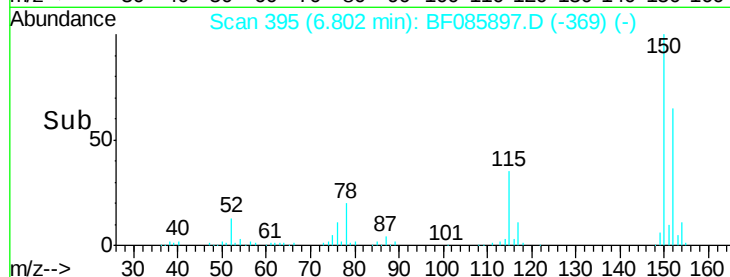
115 53.6 47.0 70.6



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: 129.08 ng

RT: 5.40 min Scan# 272

Delta R.T. -0.00 min

Lab File: BF085897.D

Acq: 30 Mar 2016 20:21

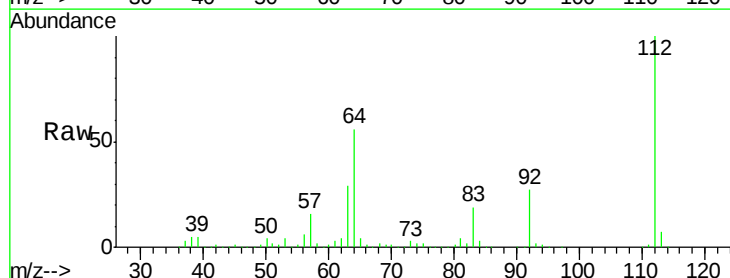
Tgt Ion:112 Resp: 792807

Ion Ratio Lower Upper

112 100

64 56.4 39.9 59.9

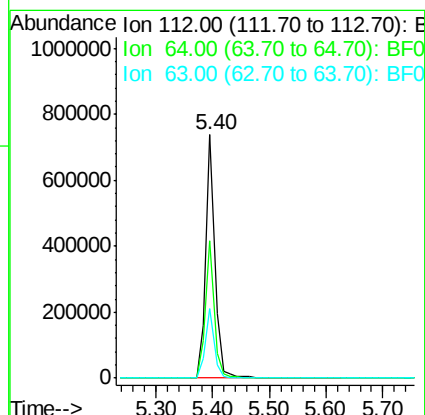
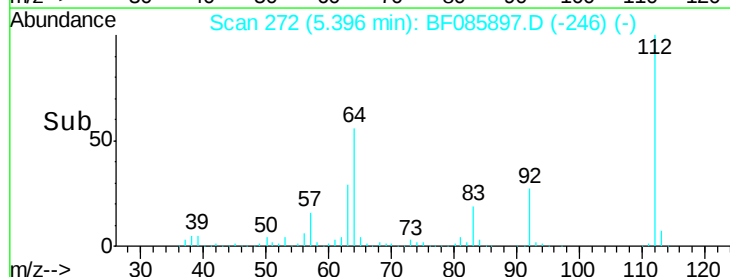
63 28.7 20.2 30.2



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: 143.49 ng

RT: 6.44 min Scan# 363

Delta R.T. -0.01 min

Lab File: BF085897.D

Acq: 30 Mar 2016 20:21

Instrument :

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ClientSampleId :

GRID-18COMP

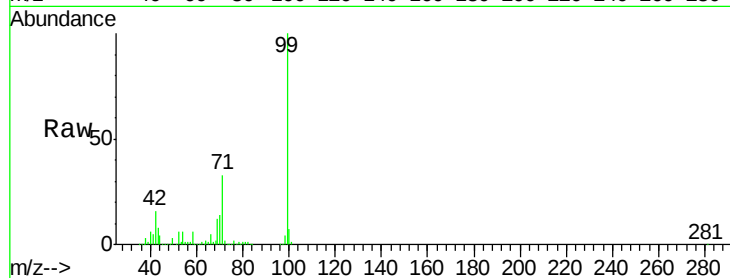
Tgt Ion: 99 Resp: 1120561

Ion Ratio Lower Upper

99 100

42 16.1 11.1 16.7

71 33.1 24.9 37.3



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

6.44

800000

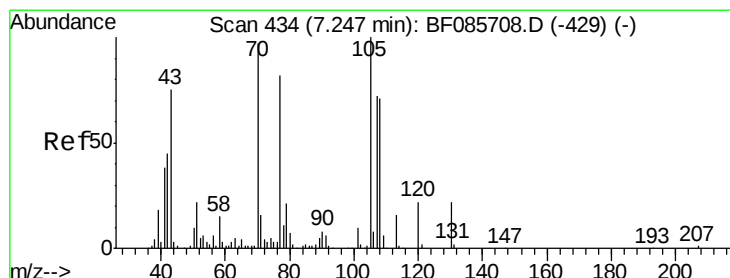
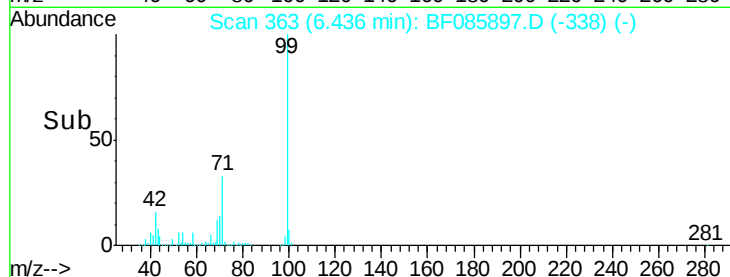
600000

400000

200000

0

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 17.15 ng

RT: 7.36 min Scan# 444

Delta R.T. 0.14 min

Lab File: BF085897.D

Acq: 30 Mar 2016 20:21

Tgt Ion: 70 Resp: 80188

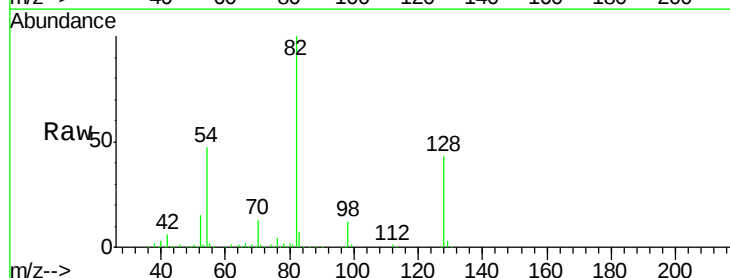
Ion Ratio Lower Upper

70 100

42 43.7 37.1 55.7

101 0.0 8.6 12.8#

130 2.3 19.6 29.4#



Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

7.36

100000

80000

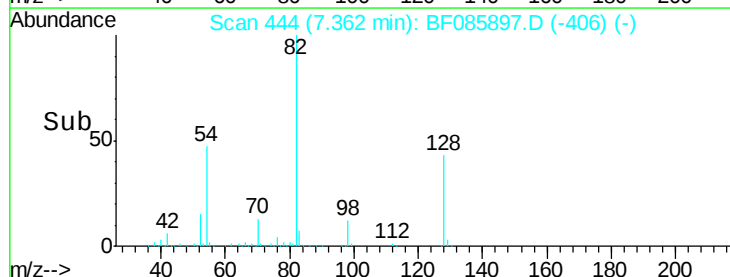
60000

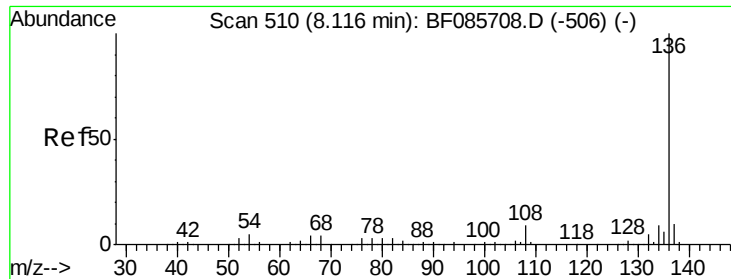
40000

20000

0

Time-->

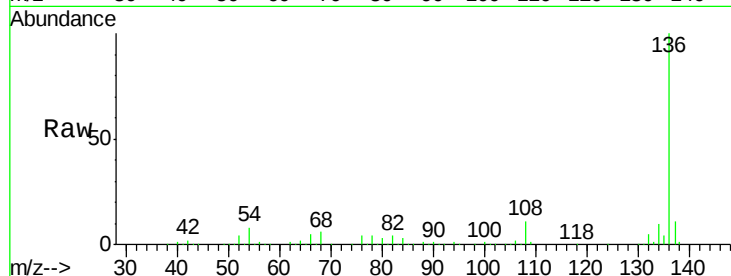




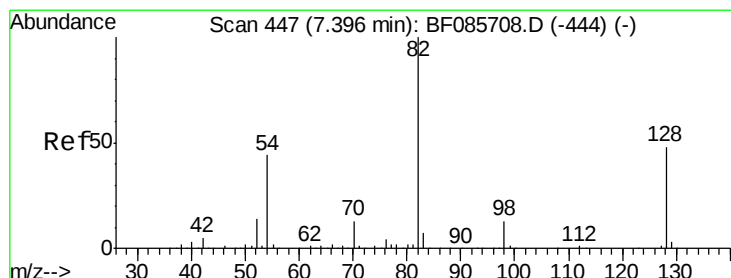
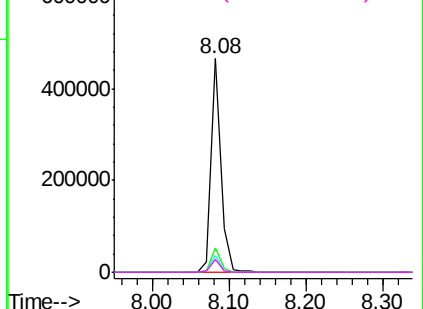
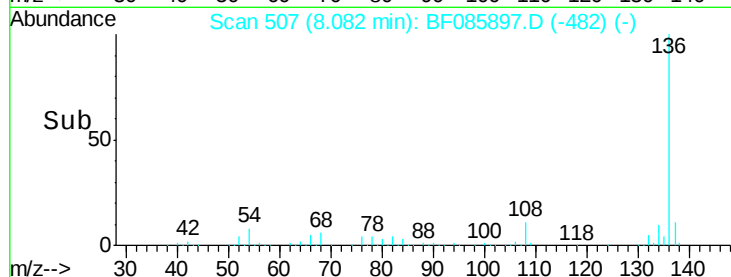
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.08 min Scan# 507  
Delta R.T. -0.01 min  
Lab File: BF085897.D  
Acq: 30 Mar 2016 20:21

Instrument :  
BNA\_F  
ClientSampleId :  
GRID-18COMP

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 410540 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 9.1   | 13.7   |
| 54       | 7.8   | 7.4   | 11.0   |
| 68       | 6.2   | 5.8   | 8.8    |

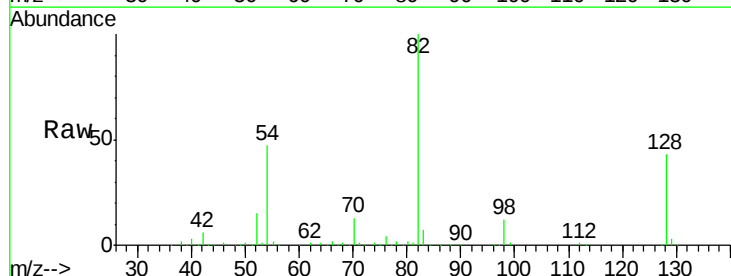


Abundance Ion 136.00 (135.70 to 136.70): B  
Ion 137.00 (136.70 to 137.70): B  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

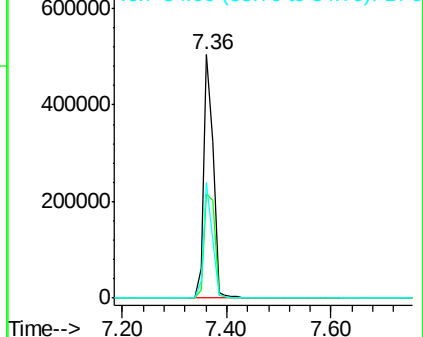
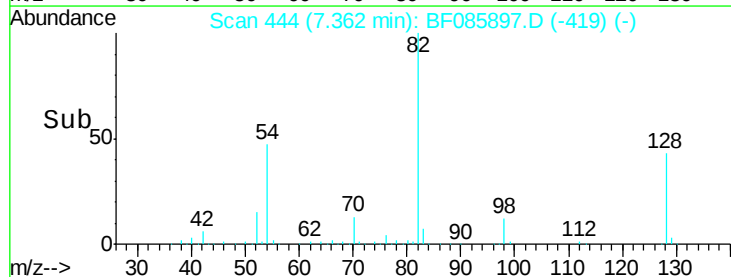


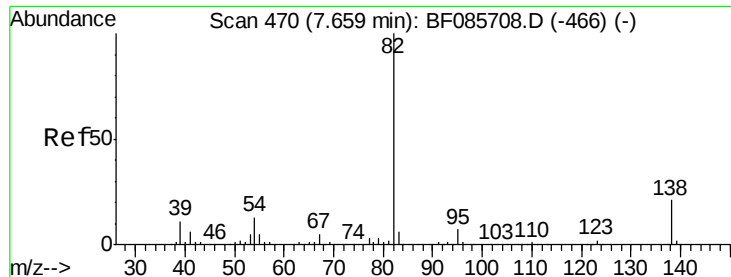
#23  
Nitrobenzene-d5  
Concen: 86.89 ng  
RT: 7.36 min Scan# 444  
Delta R.T. -0.01 min  
Lab File: BF085897.D  
Acq: 30 Mar 2016 20:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 633417 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 42.8  | 41.8  | 62.8   |
| 54       | 47.3  | 33.4  | 50.0   |



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





#25

Isophorone

Concen: 41.77 ng

RT: 7.36 min Scan# 444

Delta R.T. -0.27 min

Lab File: BF085897.D

Acq: 30 Mar 2016 20:21

Instrument :

BNA\_F

ClientSampleId :

GRID-18COMP

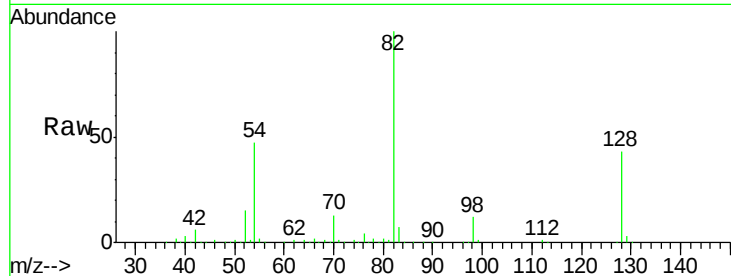
Tgt Ion: 82 Resp: 586566

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

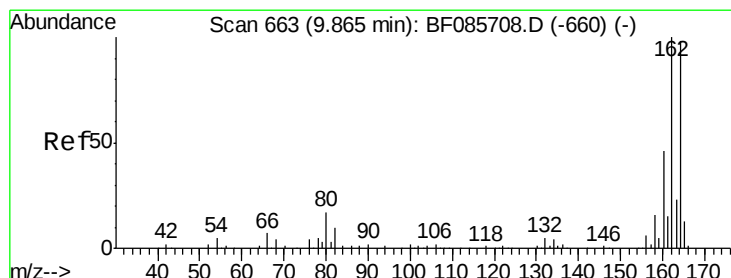
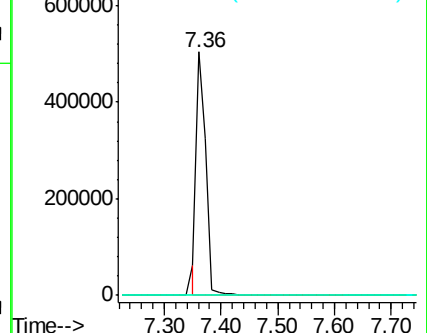
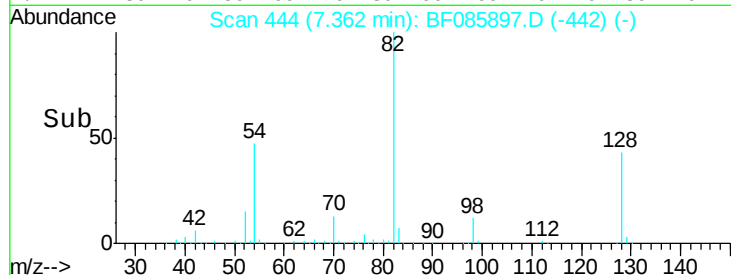
138 0.0 12.9 19.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 661

Delta R.T. -0.00 min

Lab File: BF085897.D

Acq: 30 Mar 2016 20:21

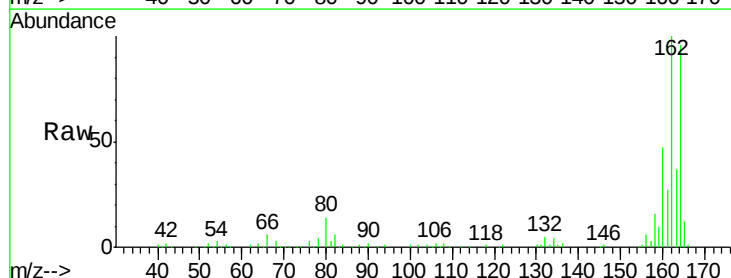
Tgt Ion: 164 Resp: 168708

Ion Ratio Lower Upper

164 100

162 104.6 82.1 123.1

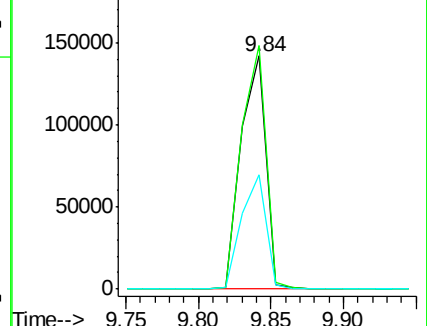
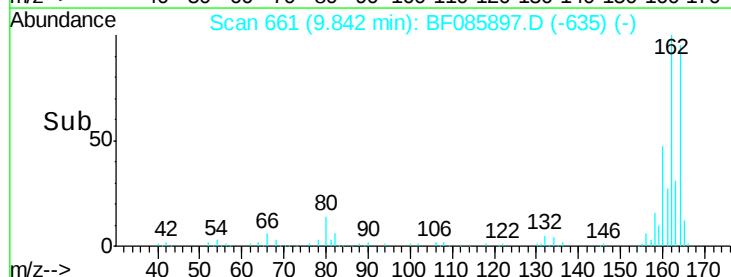
160 49.1 37.4 56.2

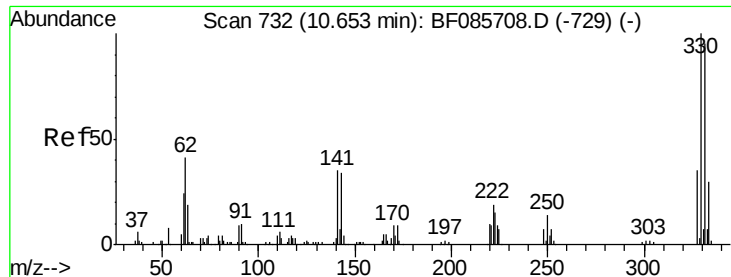


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

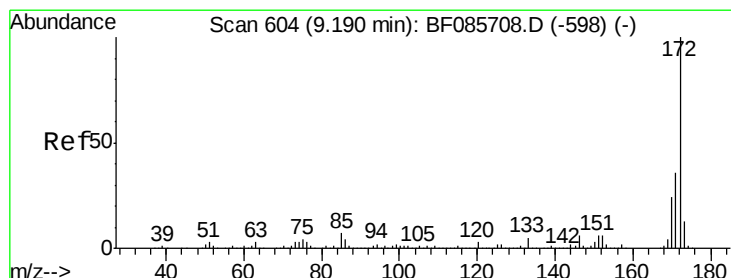
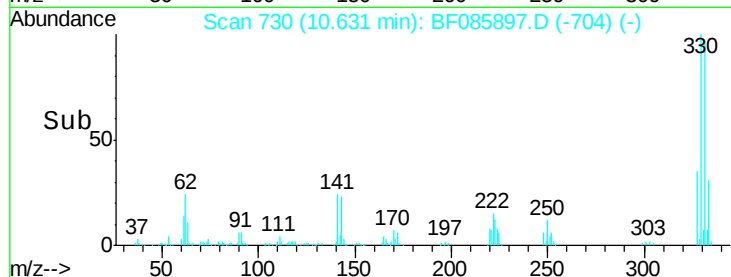
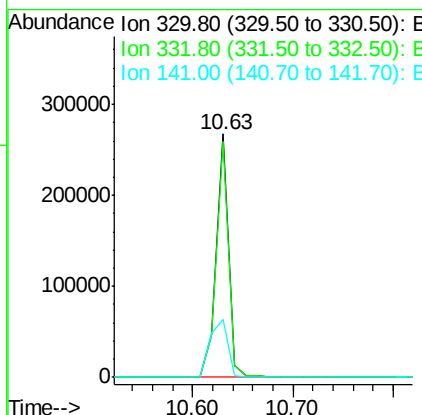
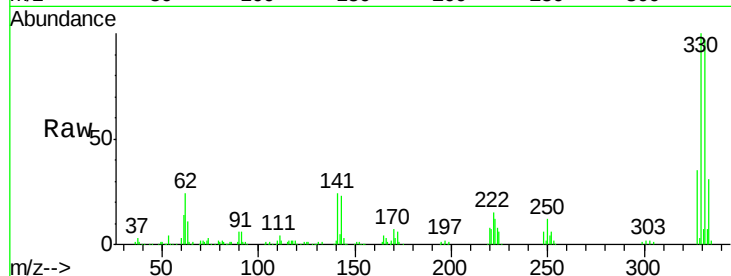




#41  
 2,4,6-Tribromophenol  
 Concen: 143.62 ng  
 RT: 10.63 min Scan# 730  
 Delta R.T. -0.00 min  
 Lab File: BF085897.D  
 Acq: 30 Mar 2016 20:21

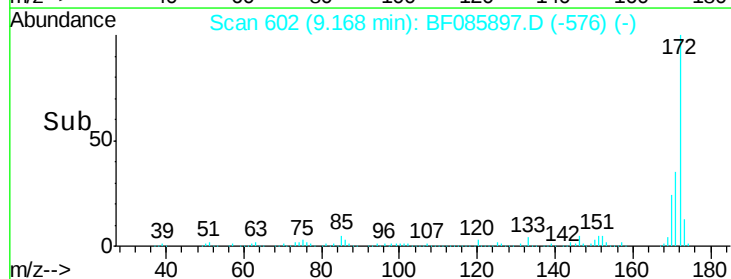
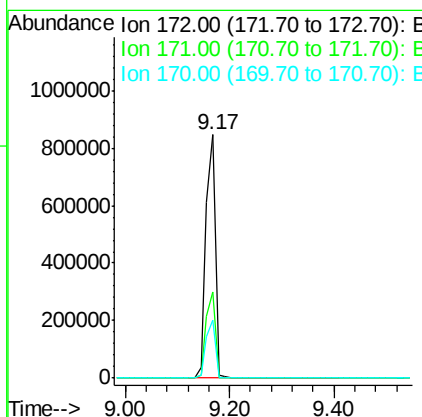
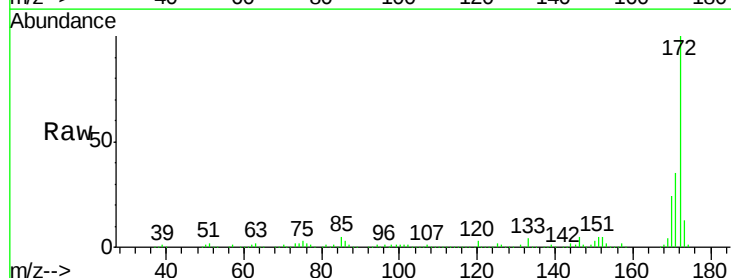
Instrument :  
 BNA\_F  
 ClientSampleId :  
 GRID-18COMP

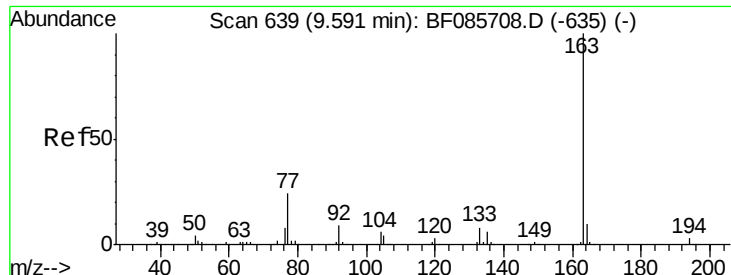
Tgt Ion:330 Resp: 230215  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 78.2 117.2  
 141 35.3 31.5 47.3



#44  
 2-Fluorobiphenyl  
 Concen: 103.27 ng  
 RT: 9.17 min Scan# 602  
 Delta R.T. -0.00 min  
 Lab File: BF085897.D  
 Acq: 30 Mar 2016 20:21

Tgt Ion:172 Resp: 1042806  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 29.4 44.2  
 170 24.0 19.8 29.6

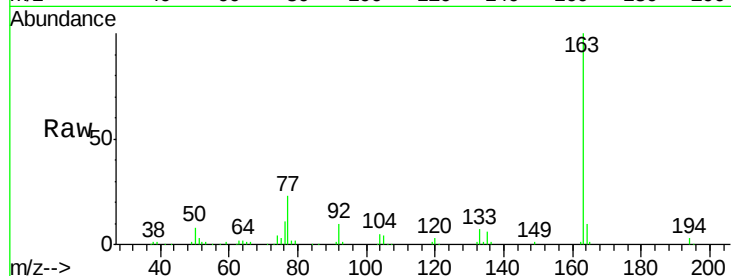




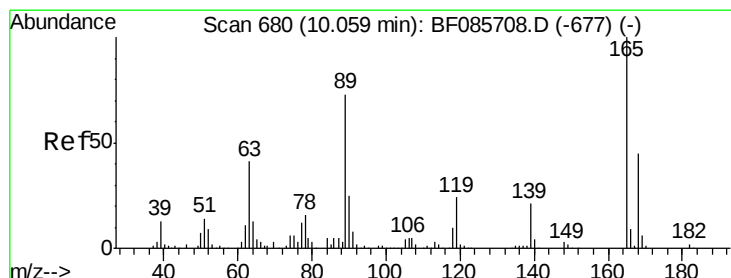
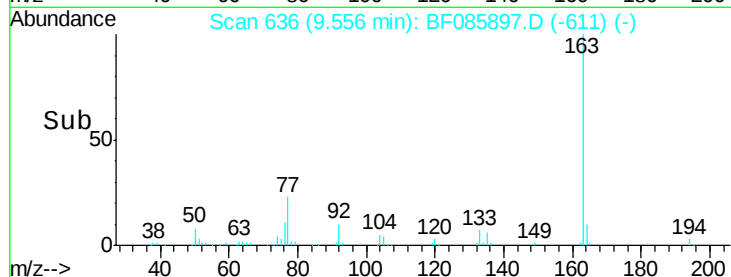
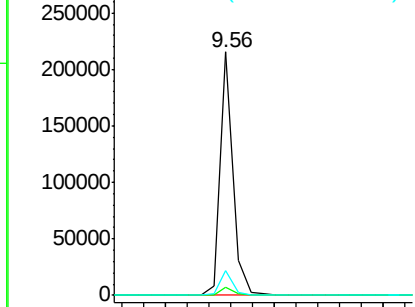
#49  
Dimethylphthalate  
Concen: 13.89 ng  
RT: 9.56 min Scan# 636  
Delta R.T. -0.01 min  
Lab File: BF085897.D  
Acq: 30 Mar 2016 20:21

Instrument :  
BNA\_F  
ClientSampleId :  
GRID-18COMP

Tgt Ion:163 Resp: 177727  
Ion Ratio Lower Upper  
163 100  
194 3.3 2.9 4.3  
164 10.1 8.3 12.5

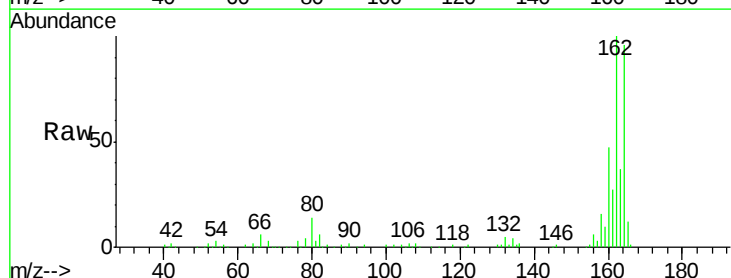


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

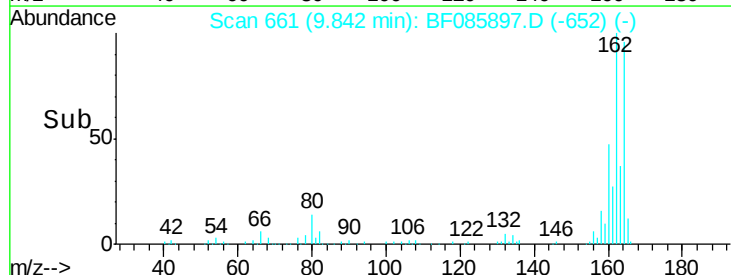
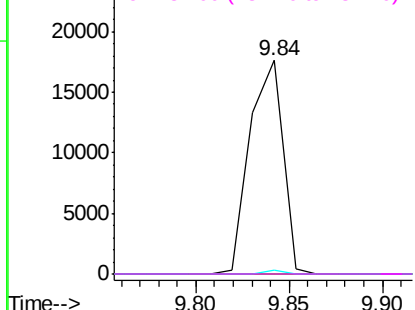


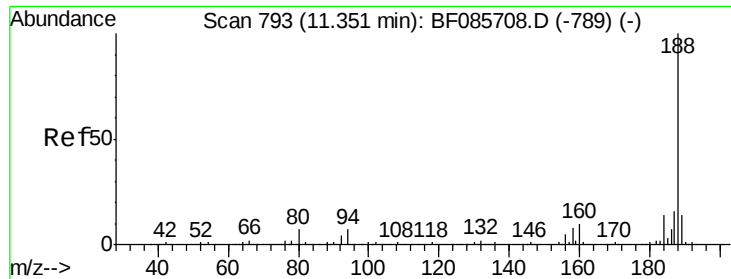
#56  
2,4-Dinitrotoluene  
Concen: 6.21 ng  
RT: 9.84 min Scan# 661  
Delta R.T. -0.19 min  
Lab File: BF085897.D  
Acq: 30 Mar 2016 20:21

Tgt Ion:165 Resp: 21741  
Ion Ratio Lower Upper  
165 100  
63 0.0 24.9 37.3#  
89 1.7 41.0 61.6#  
182 0.0 2.1 3.1#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0  
Ion 182.00 (181.70 to 182.70): E

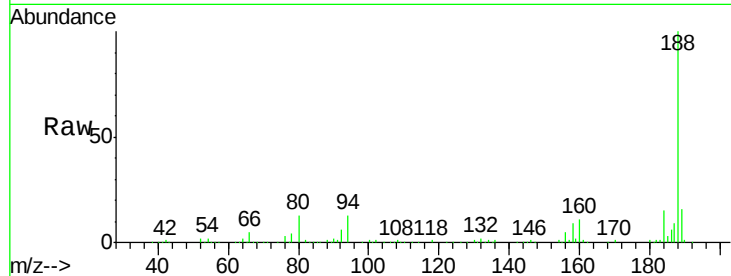




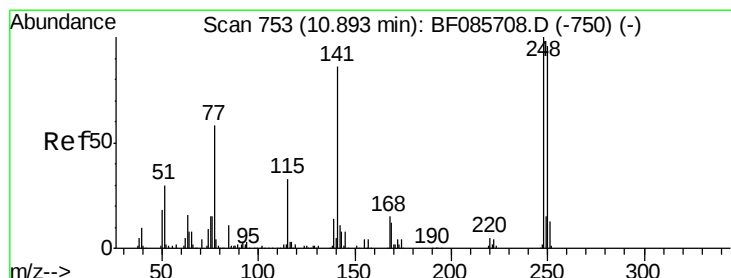
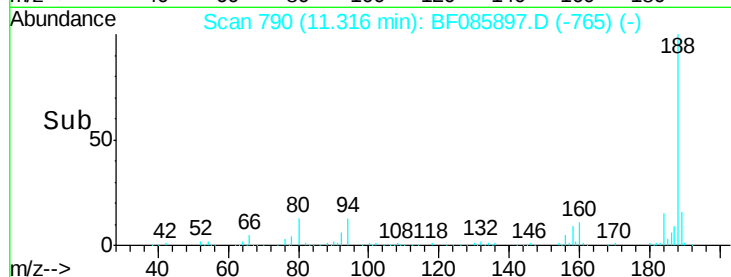
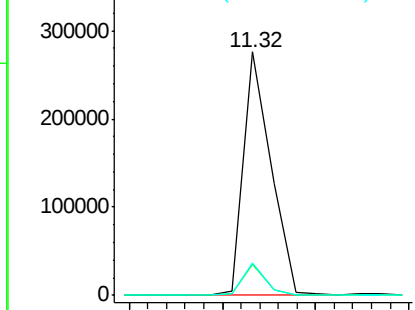
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.32 min Scan# 790  
 Delta R.T. -0.01 min  
 Lab File: BF085897.D  
 Acq: 30 Mar 2016 20:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GRID-18COMP

Tgt Ion:188 Resp: 283468  
 Ion Ratio Lower Upper  
 188 100  
 94 12.7 5.4 8.0#  
 80 13.4 5.5 8.3#

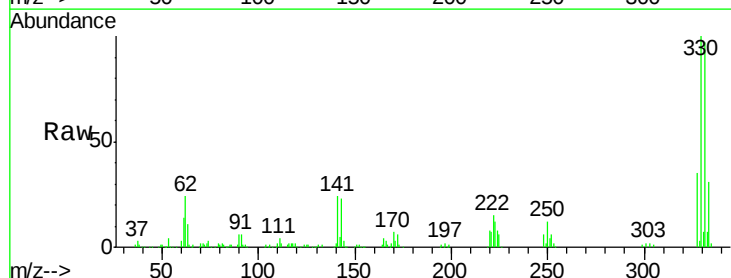


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

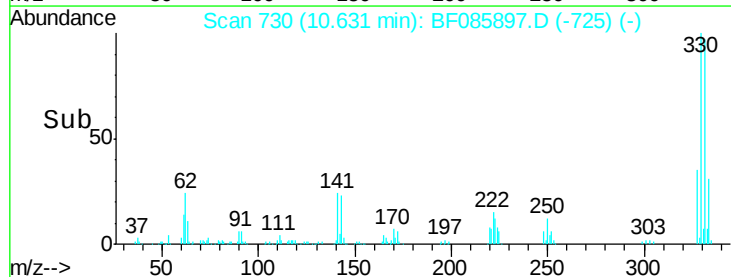
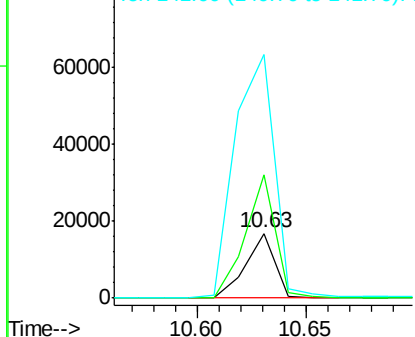


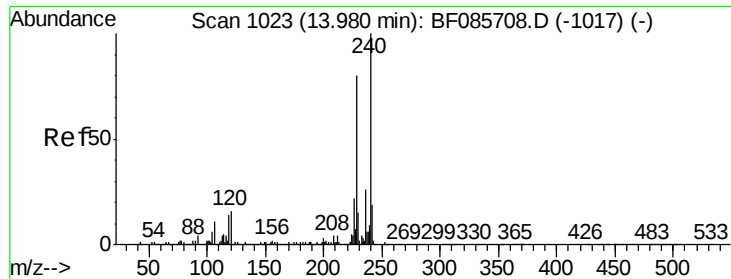
#66  
 4-Bromophenyl-phenylether  
 Concen: 5.42 ng  
 RT: 10.63 min Scan# 730  
 Delta R.T. -0.24 min  
 Lab File: BF085897.D  
 Acq: 30 Mar 2016 20:21

Tgt Ion:248 Resp: 15731  
 Ion Ratio Lower Upper  
 248 100  
 250 191.5 77.4 116.0#  
 141 376.9 63.6 95.4#



Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

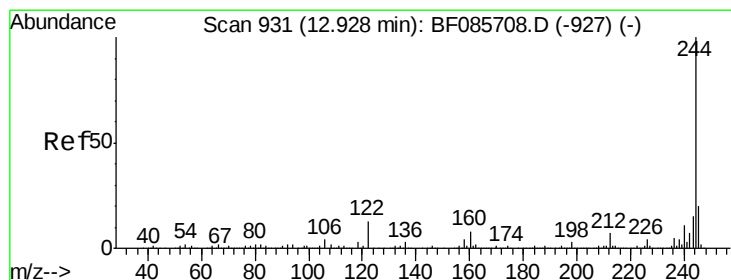
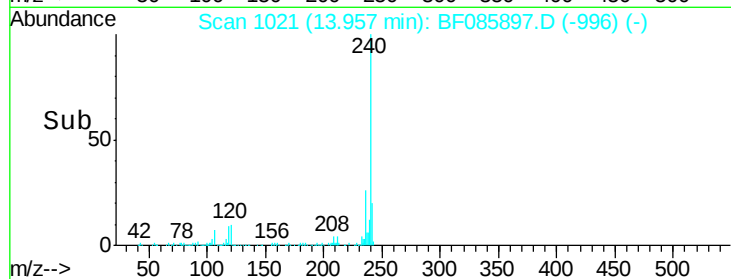
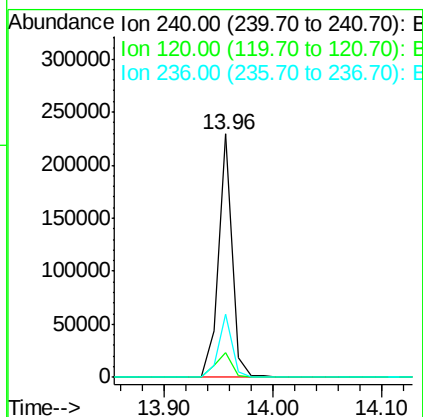
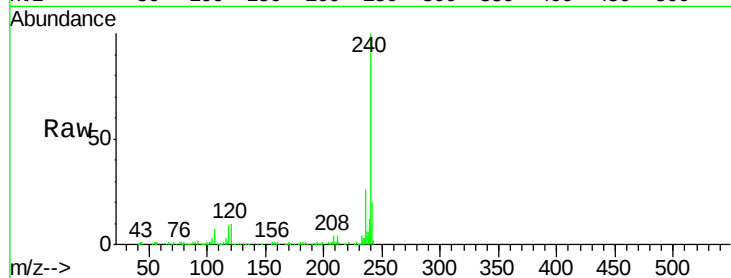




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.96 min Scan# 1021  
Delta R.T. -0.01 min  
Lab File: BF085897.D  
Acq: 30 Mar 2016 20:21

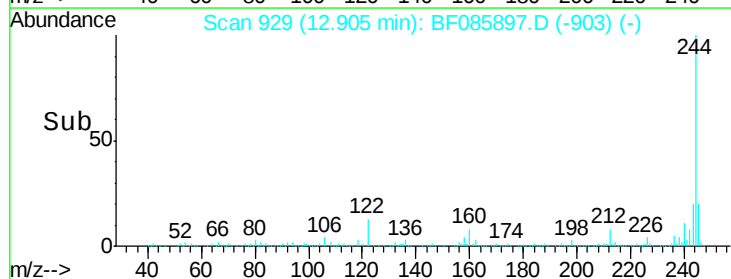
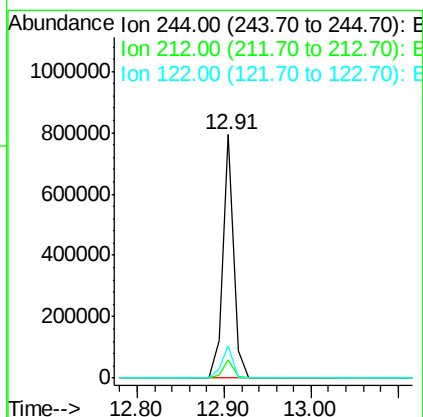
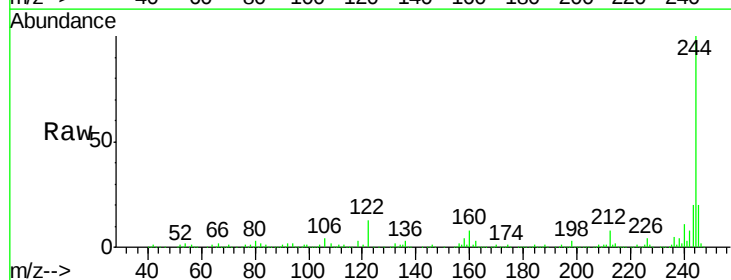
Instrument :  
BNA\_F  
ClientSampleId :  
GRID-18COMP

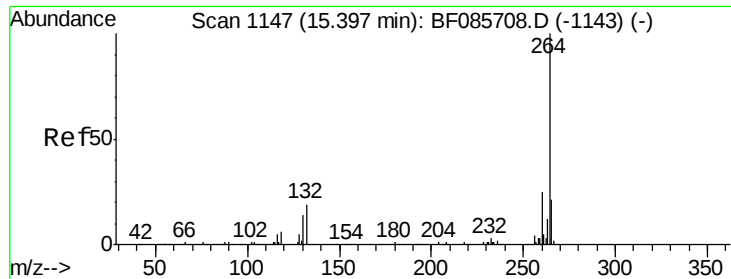
Tgt Ion:240 Resp: 203656  
Ion Ratio Lower Upper  
240 100  
120 10.2 13.8 20.8#  
236 26.2 20.6 30.8



#78  
Terphenyl-d14  
Concen: 70.18 ng  
RT: 12.91 min Scan# 929  
Delta R.T. -0.00 min  
Lab File: BF085897.D  
Acq: 30 Mar 2016 20:21

Tgt Ion:244 Resp: 694945  
Ion Ratio Lower Upper  
244 100  
212 7.5 6.1 9.1  
122 13.3 10.2 15.4

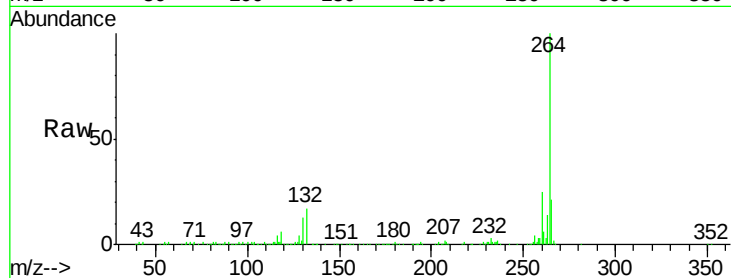




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.37 min Scan# 1145  
Delta R.T. -0.00 min  
Lab File: BF085897.D  
Acq: 30 Mar 2016 20:21

Instrument :  
BNA\_F  
ClientSampleId :  
GRID-18COMP

Tgt Ion: 264 Resp: 206200  
Ion Ratio Lower Upper  
264 100  
260 24.6 19.4 29.2  
265 21.3 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

