

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF072316\  
 Data File : BF089267.D  
 Acq On : 24 Jul 2016 8:35  
 Operator : UM/SJ  
 Sample : H4150-01 5X  
 Misc :  
 ALS Vial : 65 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TS-1

Quant Time: Jul 25 01:20:07 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 20 19:03:15 2016  
 Response via : Initial Calibration

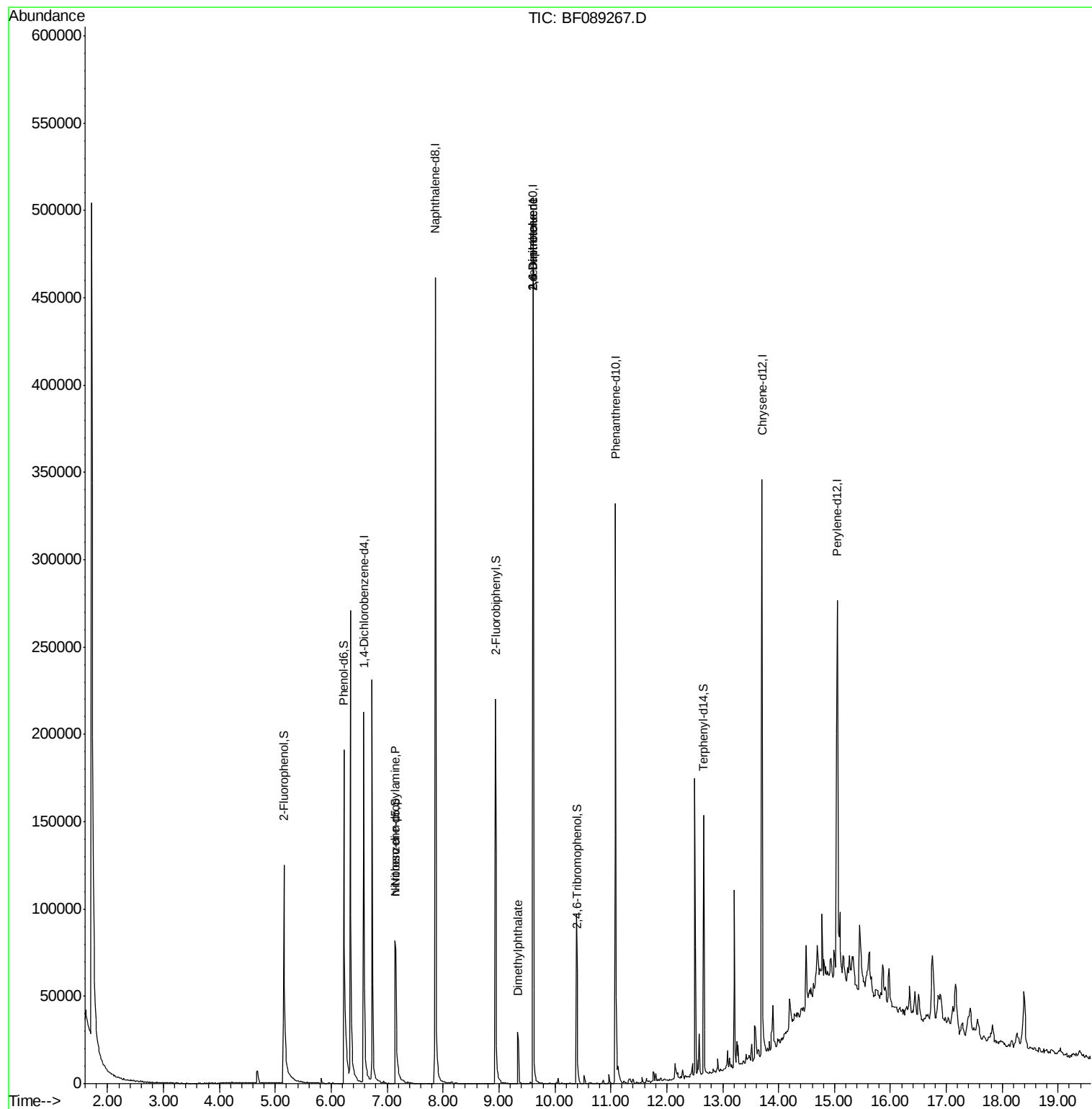
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.58  | 152  | 54462    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8             | 7.86  | 136  | 243958   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.61  | 164  | 104487   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.08 | 188  | 161582   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12               | 13.70 | 240  | 117126   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12               | 15.05 | 264  | 100959   | 20.00 | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.15  | 112  | 76235    | 21.29 | ng    | -0.03    |
| 7) Phenol-d6                   | 6.23  | 99   | 115829   | 25.08 | ng    | -0.05    |
| 23) Nitrobenzene-d5            | 7.14  | 82   | 69403    | 15.12 | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol       | 10.40 | 330  | 14116    | 15.01 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 8.94  | 172  | 101043   | 13.32 | ng    | -0.03    |
| 78) Terphenyl-d14              | 12.66 | 244  | 49885    | 9.24  | ng    | -0.02    |
| Target Compounds               |       |      |          |       |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.14  | 70   | 8693     | 2.88  | ng    | # 80     |
| 49) Dimethylphthalate          | 9.35  | 163  | 21016    | 2.62  | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.61  | 165  | 12801    | 7.07  | ng    | # 30     |
| 56) 2,4-Dinitrotoluene         | 9.61  | 165  | 12801    | 5.49  | ng    | # 11     |

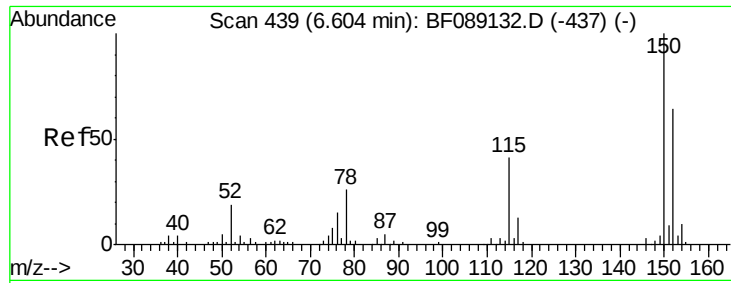
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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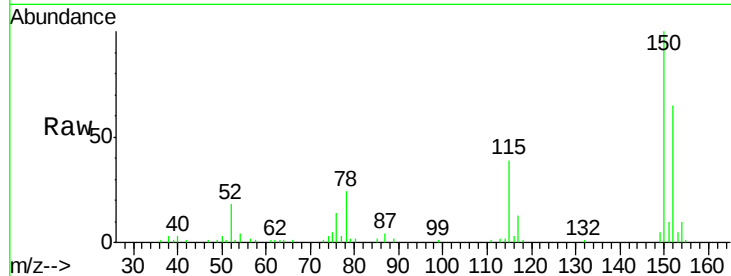


#1

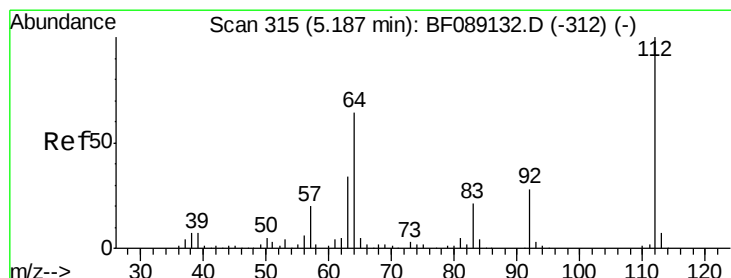
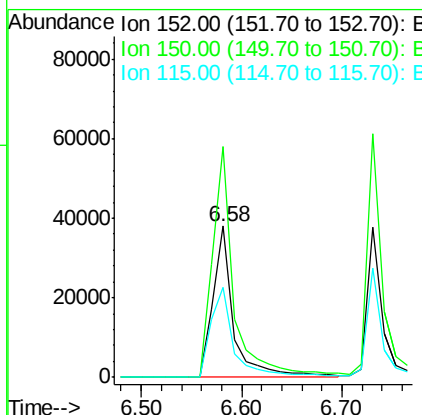
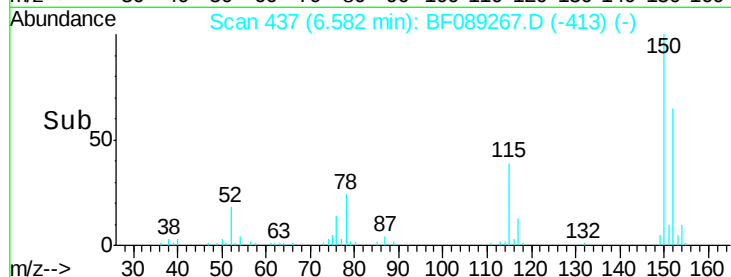
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.58 min Scan# 437  
Delta R.T. -0.02 min  
Lab File: BF089267.D  
Acq: 24 Jul 2016 8:35

Instrument :  
BNA\_F  
ClientSampleId :  
TS-1

Tgt Ion:152 Resp: 54462  
Ion Ratio Lower Upper  
152 100  
150 153.2 125.1 187.7  
115 59.6 51.1 76.7



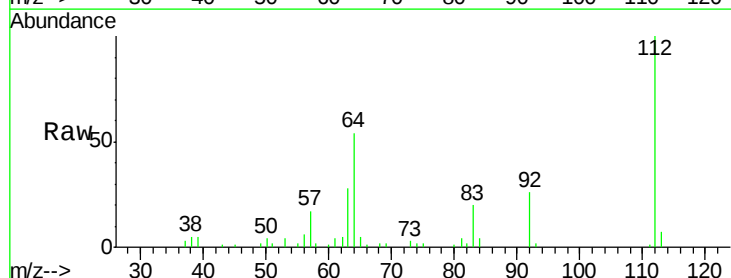
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



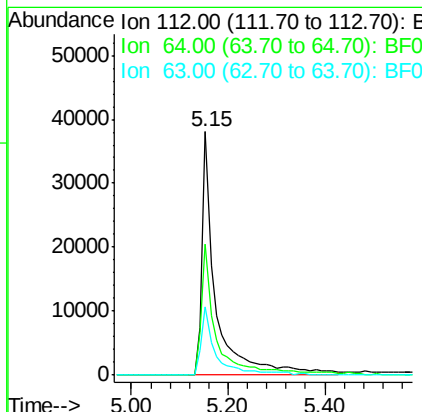
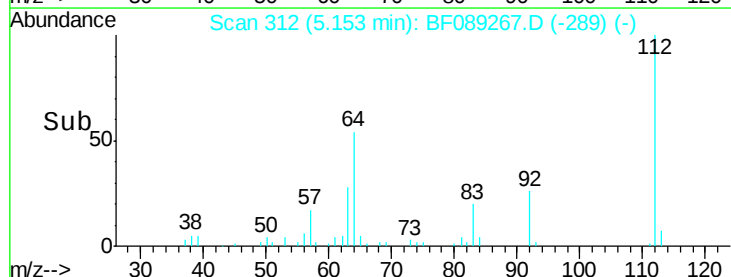
#5

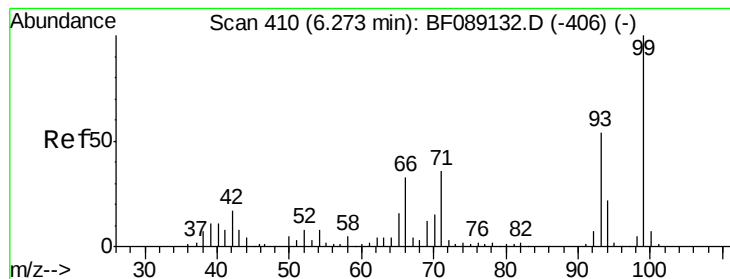
2-Fluorophenol  
Concen: 21.29 ng  
RT: 5.15 min Scan# 312  
Delta R.T. -0.03 min  
Lab File: BF089267.D  
Acq: 24 Jul 2016 8:35

Tgt Ion:112 Resp: 76235  
Ion Ratio Lower Upper  
112 100  
64 53.9 51.0 76.4  
63 28.1 27.3 40.9



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: 25.08 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.05 min

Lab File: BF089267.D

Acq: 24 Jul 2016 8:35

Instrument :

BNA\_F

ClientSampleId :

TS-1

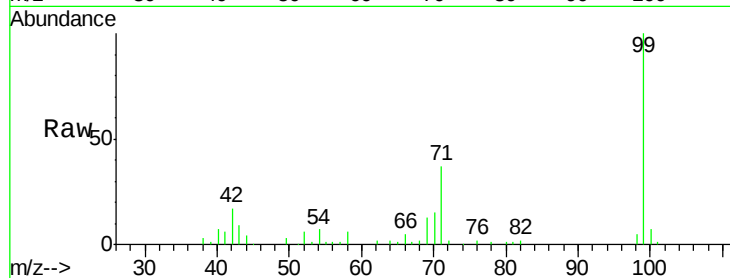
Tgt Ion: 99 Resp: 115829

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

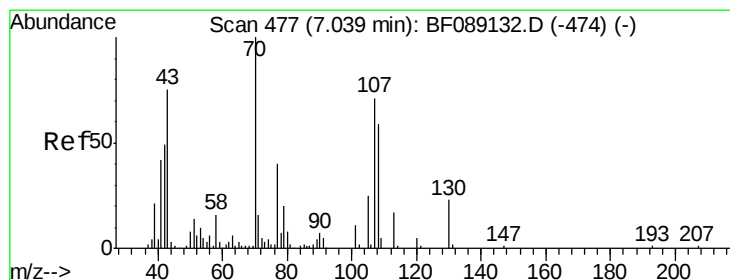
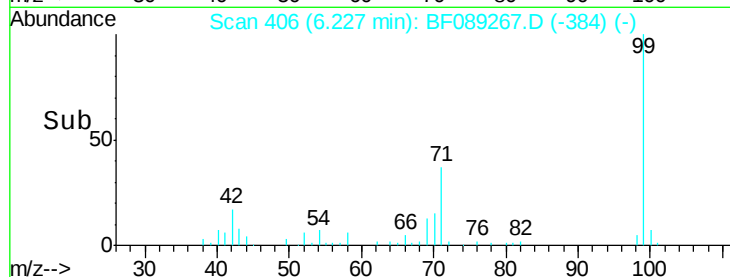
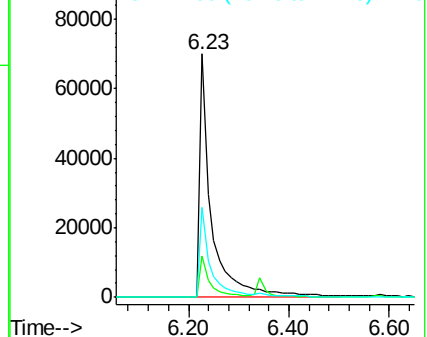
71 37.1 28.9 43.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.88 ng

RT: 7.14 min Scan# 486

Delta R.T. 0.10 min

Lab File: BF089267.D

Acq: 24 Jul 2016 8:35

Tgt Ion: 70 Resp: 8693

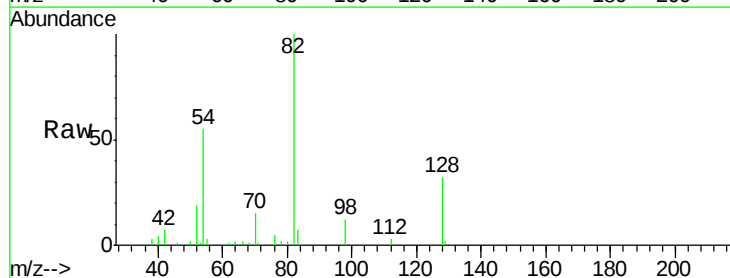
Ion Ratio Lower Upper

70 100

42 45.5 39.2 58.8

101 0.0 8.5 12.7#

130 0.0 18.4 27.6#

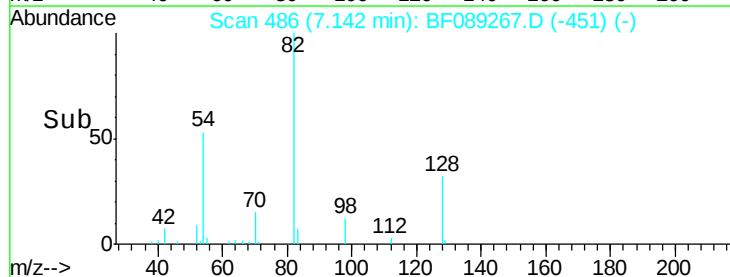
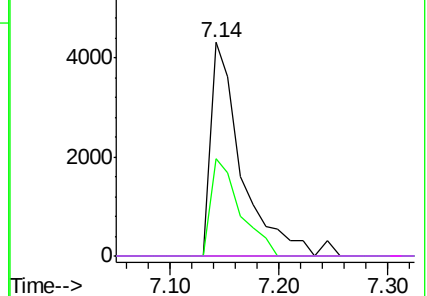


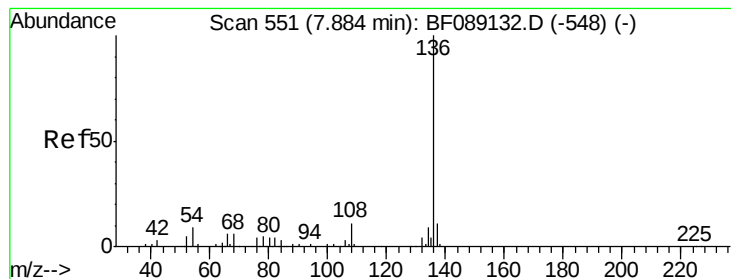
Abundance Ion 70.00 (69.70 to 70.70): BF0

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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.86 min Scan# 549

Delta R.T. -0.02 min

Lab File: BF089267.D

Acq: 24 Jul 2016 8:35

Instrument :

BNA\_F

ClientSampleId :

TS-1

Tgt Ion:136 Resp: 243958

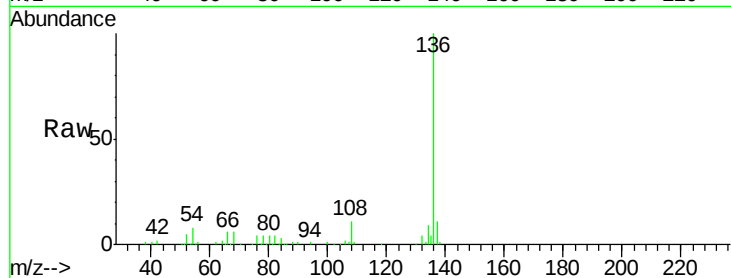
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 7.9 7.0 10.4

68 5.9 5.0 7.6

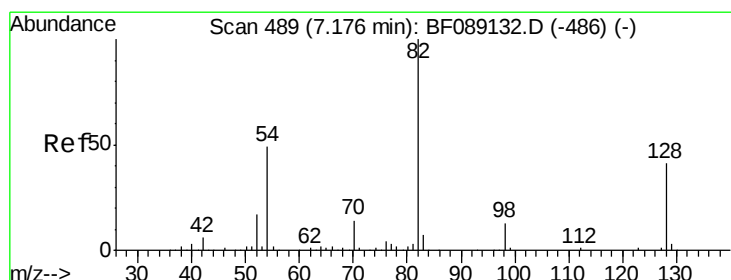
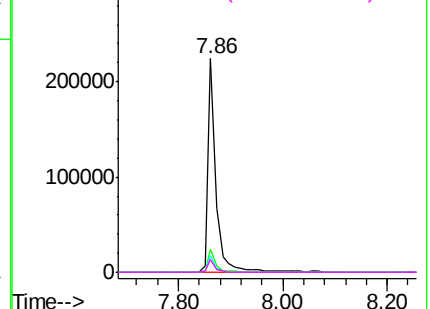
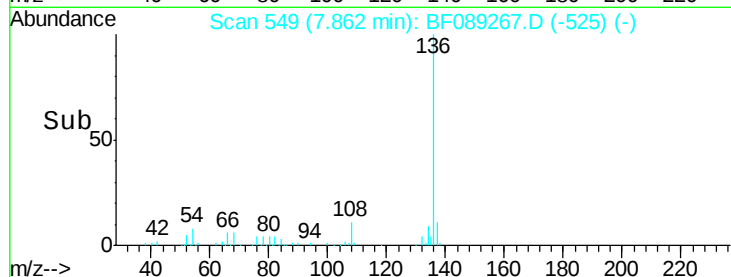


Abundance Ion 136.00 (135.70 to 136.70): E

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: 15.12 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.03 min

Lab File: BF089267.D

Acq: 24 Jul 2016 8:35

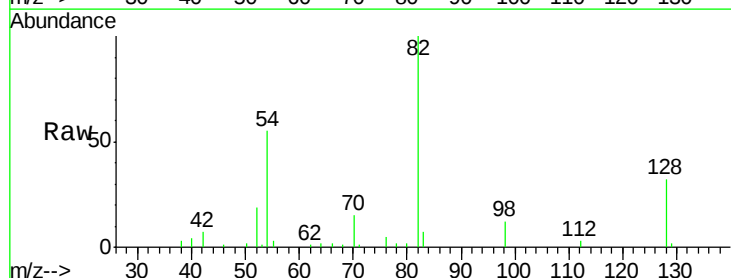
Tgt Ion: 82 Resp: 69403

Ion Ratio Lower Upper

82 100

128 31.8 33.0 49.6#

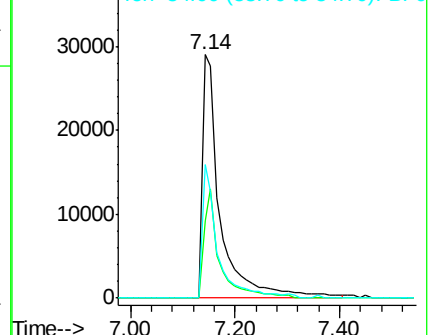
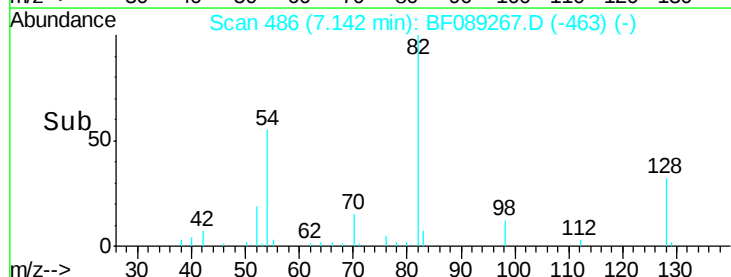
54 54.9 39.0 58.4

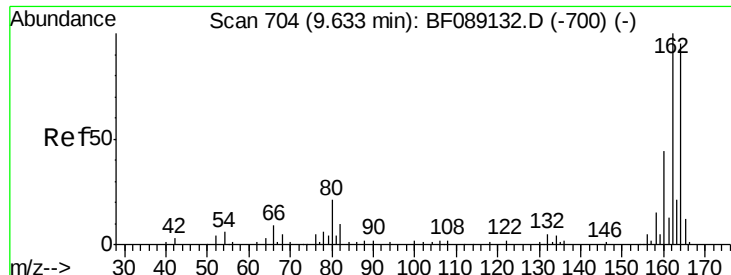


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.61 min Scan# 702

Delta R.T. -0.02 min

Lab File: BF089267.D

Acq: 24 Jul 2016 8:35

Instrument :

BNA\_F

ClientSampleId :

TS-1

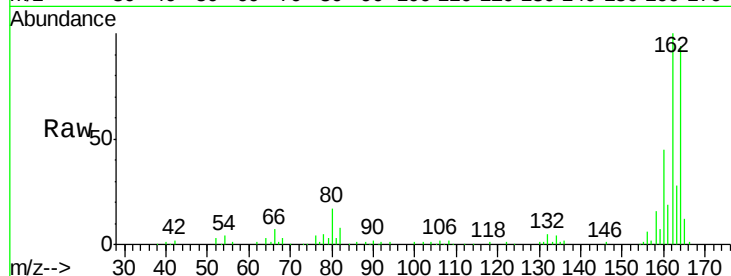
Tgt Ion:164 Resp: 104487

Ion Ratio Lower Upper

164 100

162 106.2 84.1 126.1

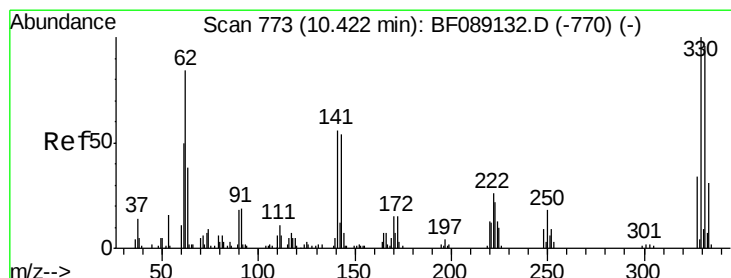
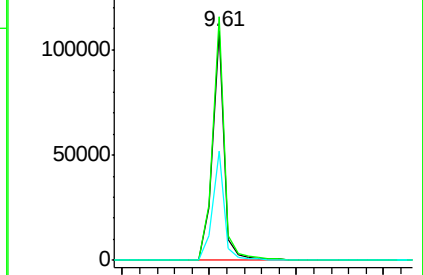
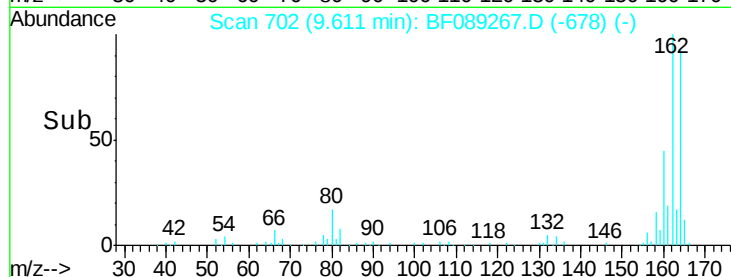
160 47.8 37.1 55.7



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: 15.01 ng

RT: 10.40 min Scan# 771

Delta R.T. -0.02 min

Lab File: BF089267.D

Acq: 24 Jul 2016 8:35

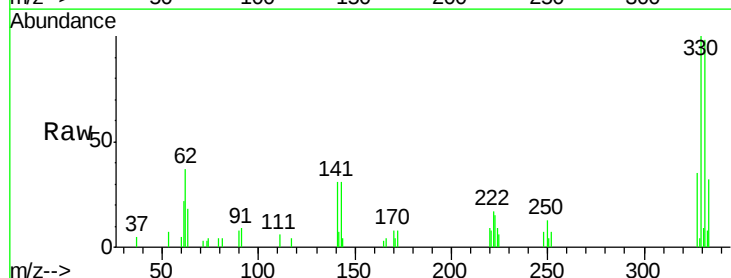
Tgt Ion:330 Resp: 14116

Ion Ratio Lower Upper

330 100

332 96.6 77.2 115.8

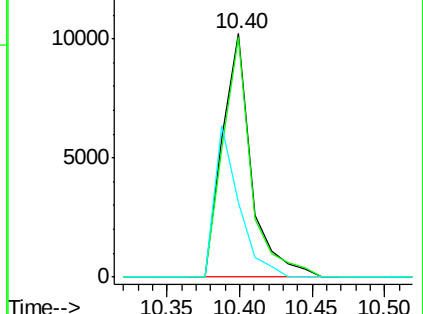
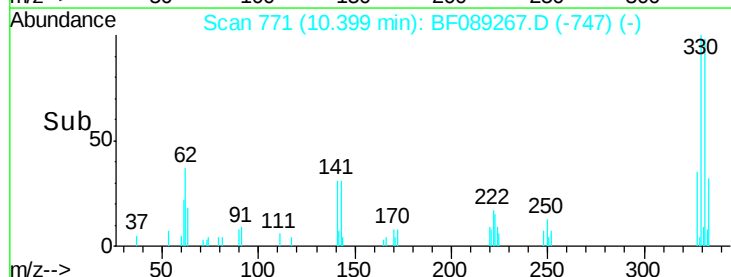
141 52.4 42.2 63.2

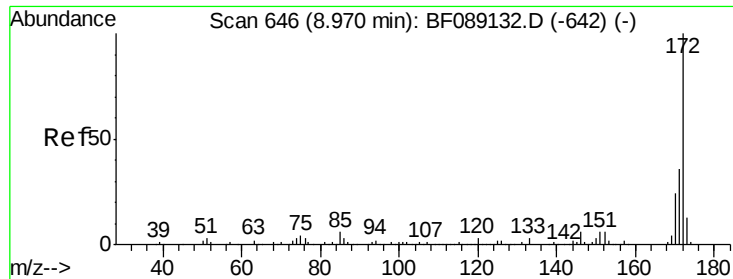


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

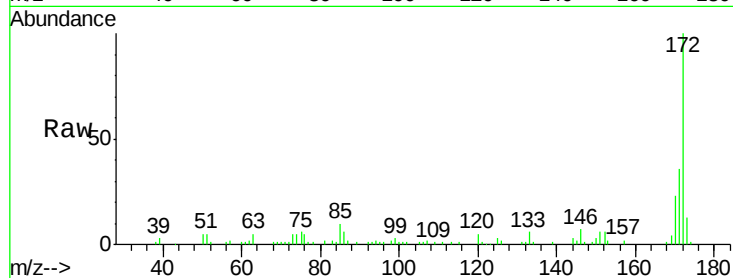




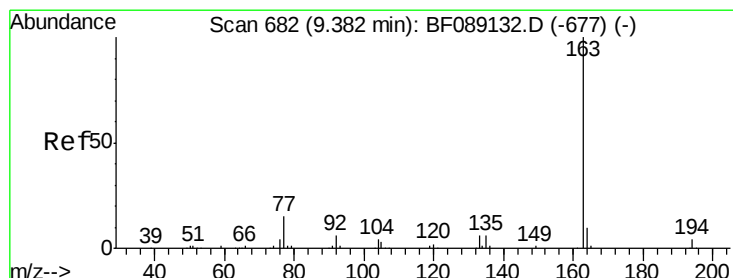
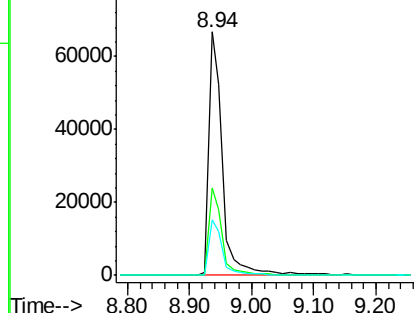
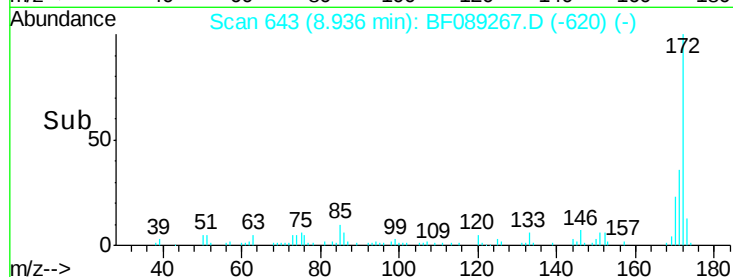
#44  
 2-Fluorobiphenyl  
 Concen: 13.32 ng  
 RT: 8.94 min Scan# 643  
 Delta R.T. -0.03 min  
 Lab File: BF089267.D  
 Acq: 24 Jul 2016 8:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TS-1

Tgt Ion:172 Resp: 101043  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 29.2 43.8  
 170 22.9 19.1 28.7

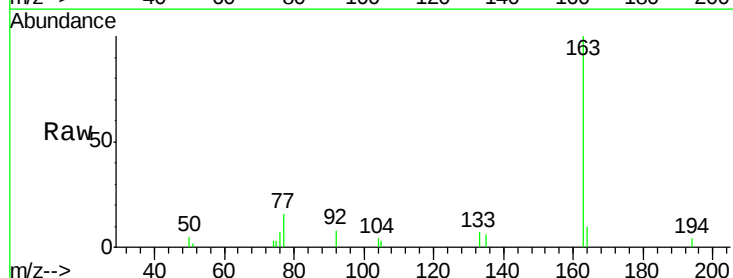


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

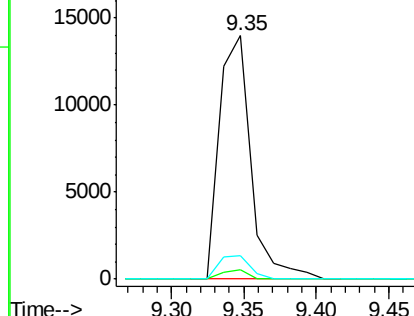
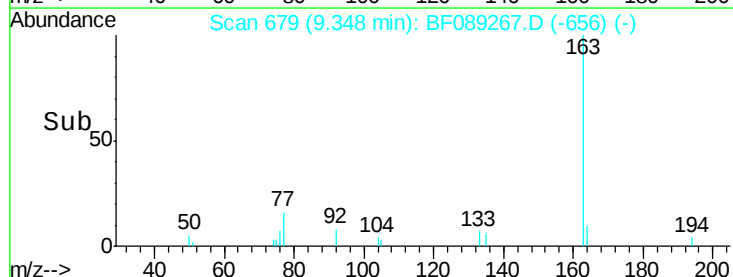


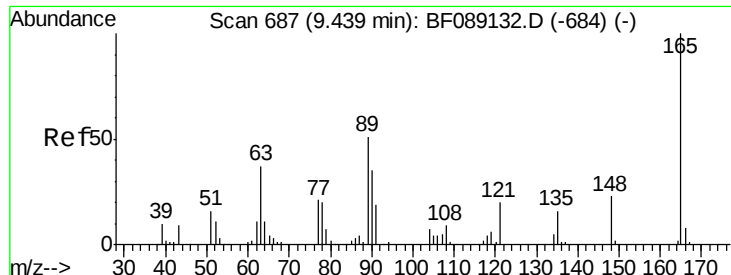
#49  
 Dimethylphthalate  
 Concen: 2.62 ng  
 RT: 9.35 min Scan# 679  
 Delta R.T. -0.03 min  
 Lab File: BF089267.D  
 Acq: 24 Jul 2016 8:35

Tgt Ion:163 Resp: 21016  
 Ion Ratio Lower Upper  
 163 100  
 194 4.1 2.9 4.3  
 164 9.8 7.6 11.4



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

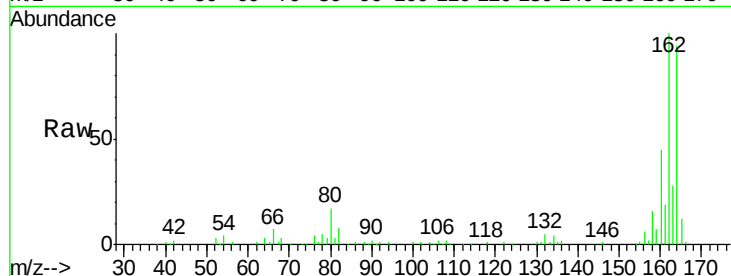




#50  
 2,6-Dinitrotoluene  
 Concen: 7.07 ng  
 RT: 9.61 min Scan# 702  
 Delta R.T. 0.17 min  
 Lab File: BF089267.D  
 Acq: 24 Jul 2016 8:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TS-1

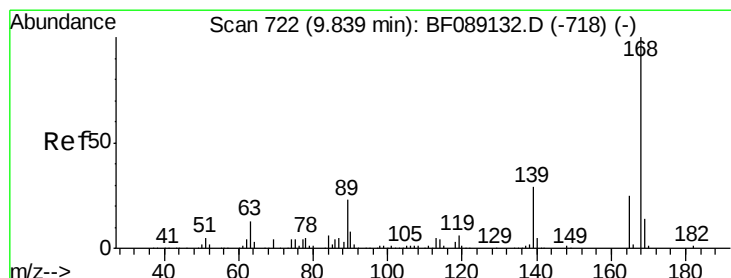
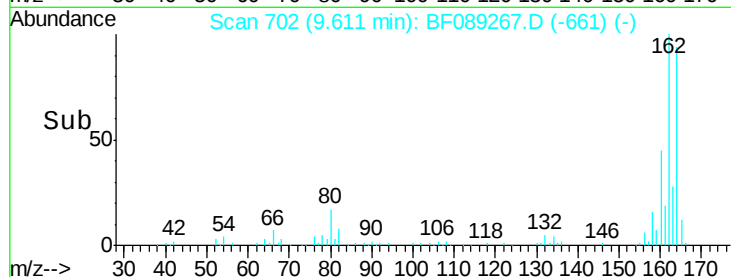
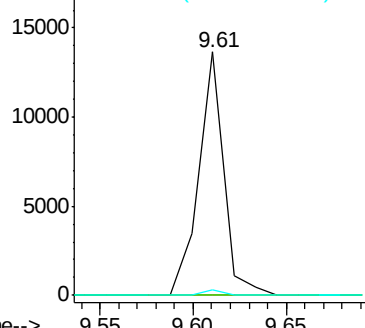
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 37.0  | 55.4# |
| 89      | 2.5   | 40.9  | 61.3# |



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



#56  
 2,4-Dinitrotoluene  
 Concen: 5.49 ng  
 RT: 9.61 min Scan# 702  
 Delta R.T. -0.23 min  
 Lab File: BF089267.D  
 Acq: 24 Jul 2016 8:35

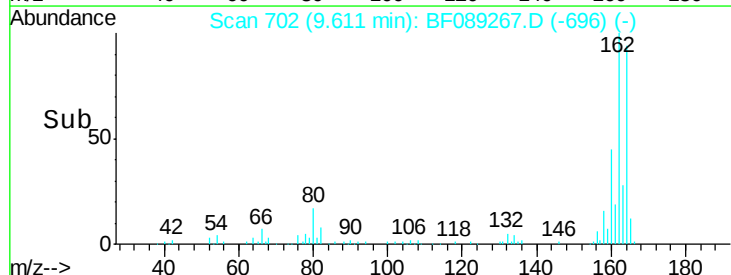
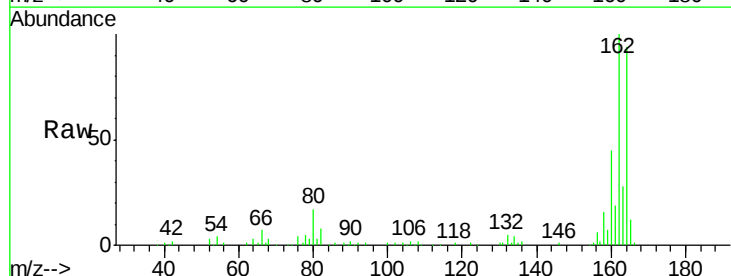
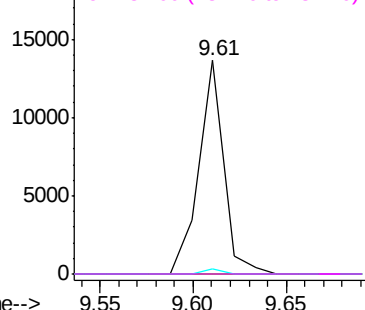
| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 165     | 100   |       |        |
| 63      | 0.0   | 55.4  | 83.2#  |
| 89      | 2.5   | 74.3  | 111.5# |
| 182     | 0.0   | 2.0   | 3.0#   |

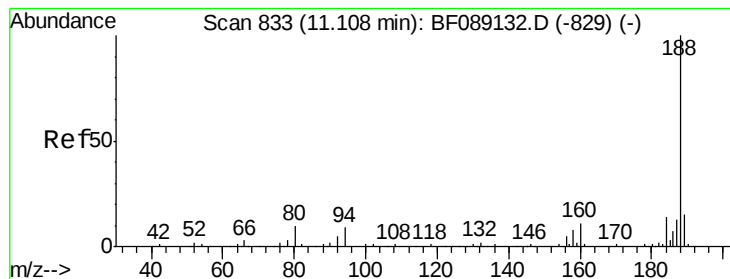
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.08 min Scan# 831

Delta R.T. -0.02 min

Lab File: BF089267.D

Acq: 24 Jul 2016 8:35

Instrument :

BNA\_F

ClientSampleId :

TS-1

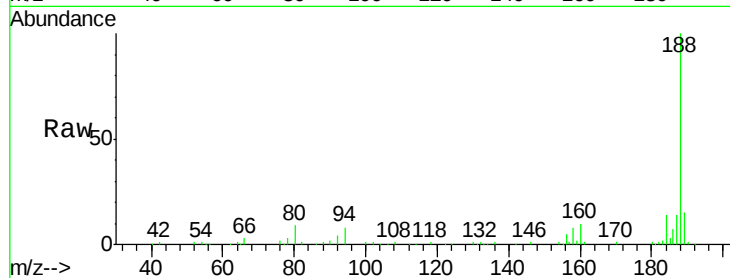
Tgt Ion:188 Resp: 161582

Ion Ratio Lower Upper

188 100

94 7.8 7.0 10.4

80 8.6 7.7 11.5



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

150000

100000

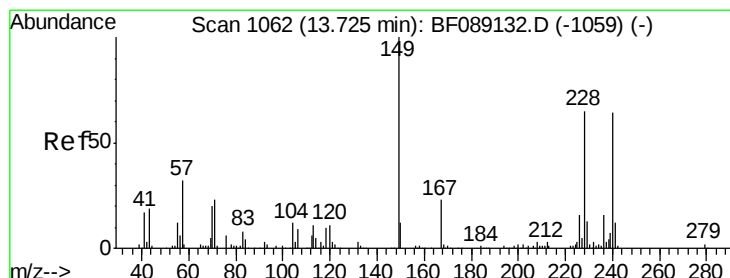
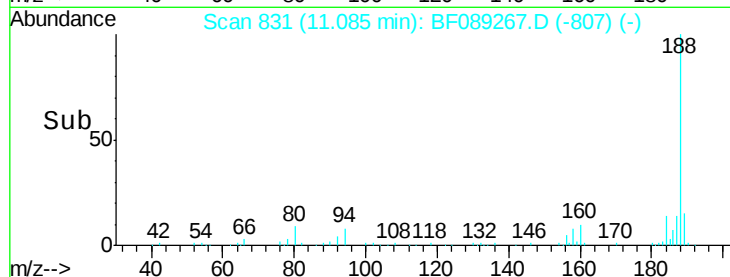
50000

0

11.08

11.20

Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.70 min Scan# 1060

Delta R.T. -0.02 min

Lab File: BF089267.D

Acq: 24 Jul 2016 8:35

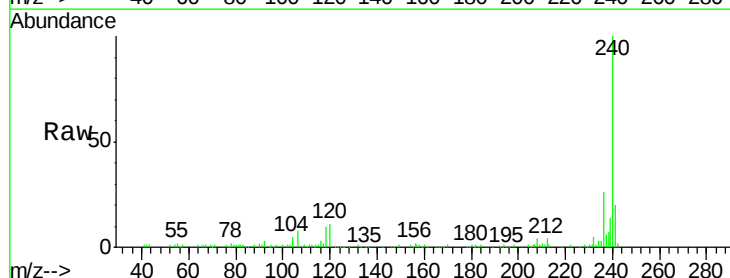
Tgt Ion:240 Resp: 117126

Ion Ratio Lower Upper

240 100

120 10.9 13.6 20.4#

236 26.1 20.5 30.7



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

150000

100000

50000

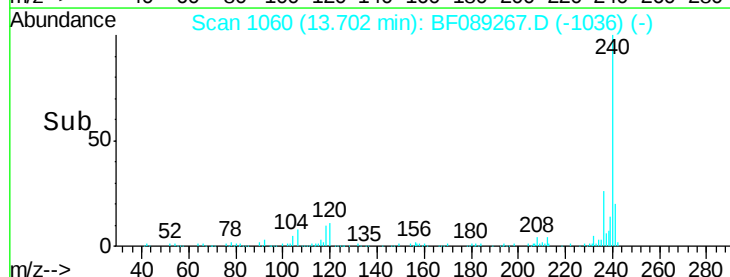
0

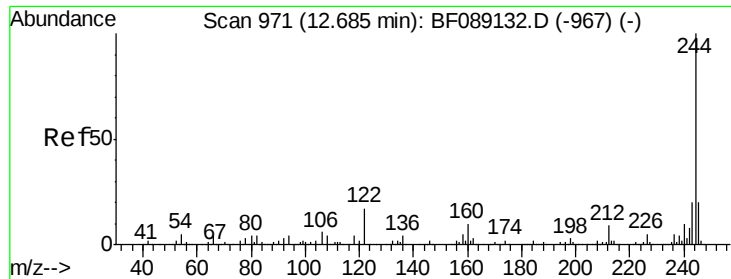
13.70

13.80

13.90

Time-->

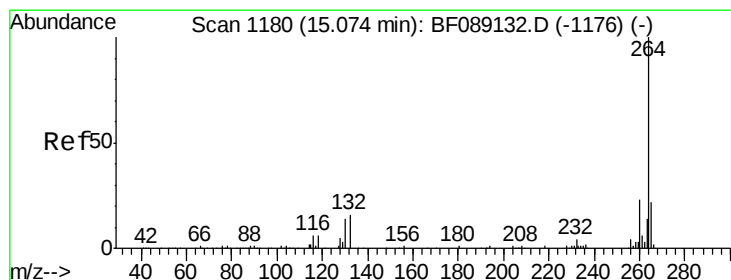
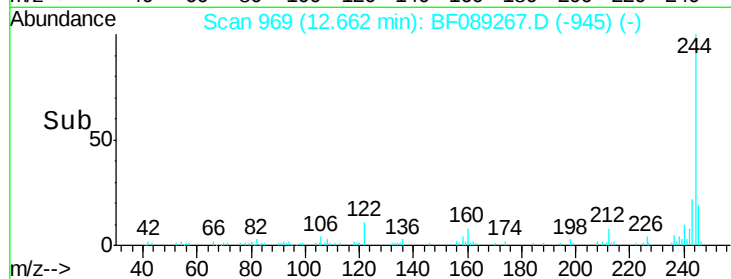
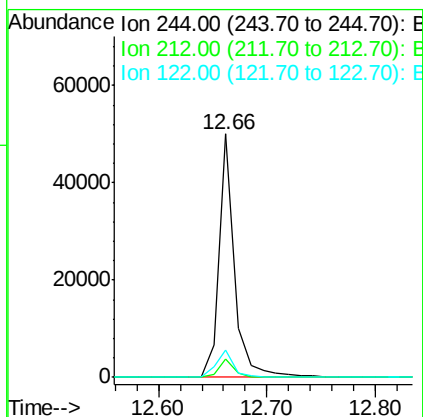
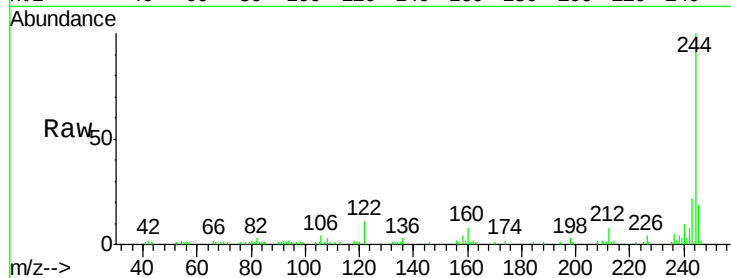




#78  
 Terphenyl-d14  
 Concen: 9.24 ng  
 RT: 12.66 min Scan# 969  
 Delta R.T. -0.02 min  
 Lab File: BF089267.D  
 Acq: 24 Jul 2016 8:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TS-1

Tgt Ion:244 Resp: 49885  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 7.0 10.4  
 122 11.3 13.8 20.8#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.05 min Scan# 1178  
 Delta R.T. -0.02 min  
 Lab File: BF089267.D  
 Acq: 24 Jul 2016 8:35

Tgt Ion:264 Resp: 100959  
 Ion Ratio Lower Upper  
 264 100  
 260 23.1 18.5 27.7  
 265 20.9 17.3 25.9

