

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF080216\  
 Data File : BF089556.D  
 Acq On : 2 Aug 2016 19:40  
 Operator : UM/SJ  
 Sample : H4269-15  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-55-17.0-18.0

Quant Time: Aug 03 01:07:43 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 28 16:02:32 2016  
 Response via : Initial Calibration

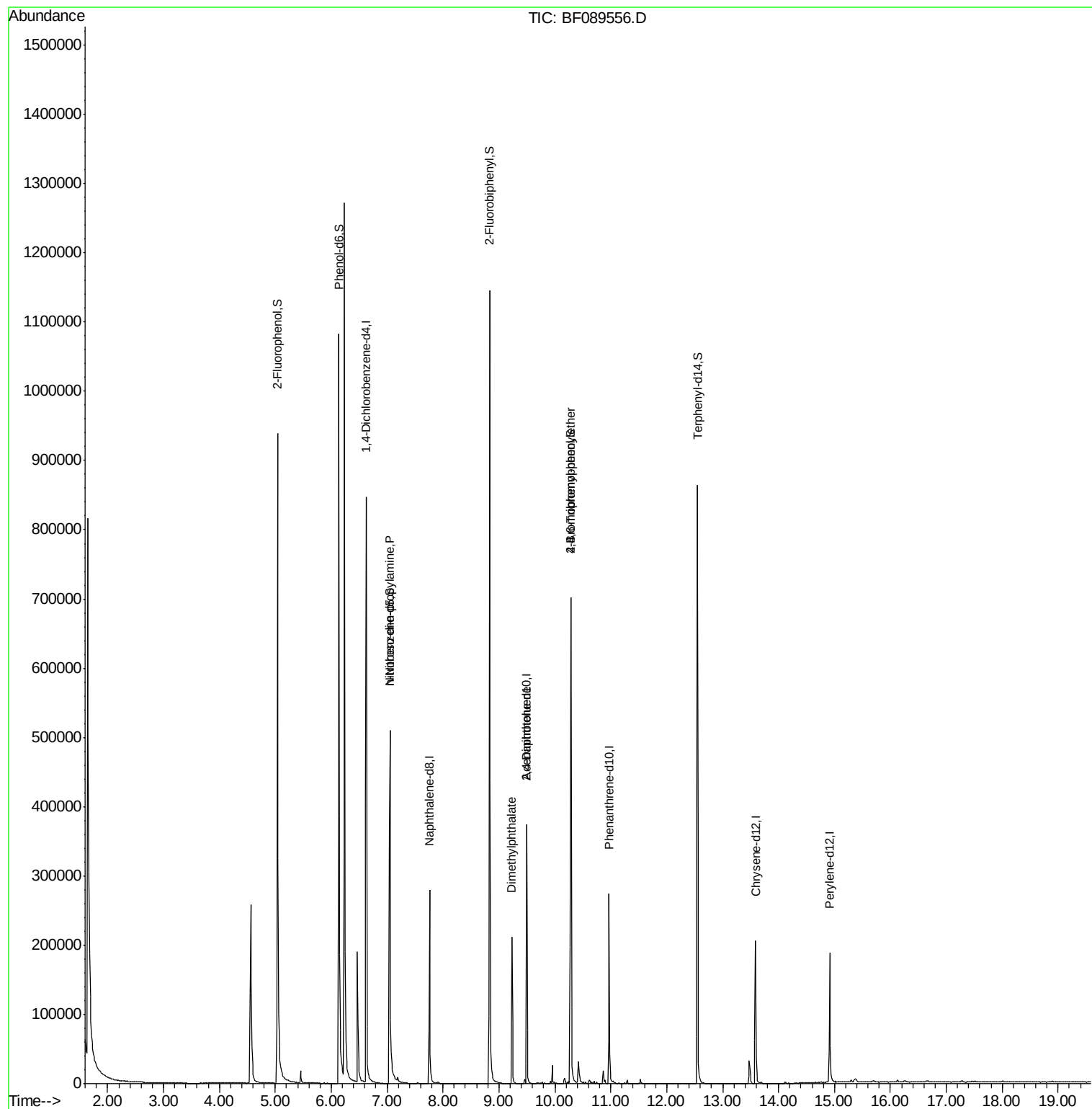
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.63  | 152  | 162188   | 20.00  | ng    | 0.08     |
| 21) Naphthalene-d8             | 7.76  | 136  | 162037   | 20.00  | ng    | -0.07    |
| 38) Acenaphthene-d10           | 9.50  | 164  | 74083    | 20.00  | ng    | -0.08    |
| 63) Phenanthrene-d10           | 10.97 | 188  | 122366   | 20.00  | ng    | -0.08    |
| 75) Chrysene-d12               | 13.59 | 240  | 87102    | 20.00  | ng    | -0.08    |
| 86) Perylene-d12               | 14.91 | 264  | 79985    | 20.00  | ng    | -0.09    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.04  | 112  | 340290   | 33.50  | ng    | -0.07    |
| 7) Phenol-d6                   | 6.14  | 99   | 485150   | 36.14  | ng    | -0.07    |
| 23) Nitrobenzene-d5            | 7.05  | 82   | 284522   | 103.64 | ng    | -0.07    |
| 41) 2,4,6-Tribromophenol       | 10.28 | 330  | 76849    | 125.25 | ng    | -0.08    |
| 44) 2-Fluorobiphenyl           | 8.83  | 172  | 426478   | 84.48  | ng    | -0.08    |
| 78) Terphenyl-d14              | 12.55 | 244  | 298731   | 80.27  | ng    | -0.08    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.05  | 70   | 36198    | 4.47   | ng    | # 78     |
| 49) Dimethylphthalate          | 9.23  | 163  | 98478    | 17.47  | ng    | 98       |
| 56) 2,4-Dinitrotoluene         | 9.50  | 165  | 9021     | 5.91   | ng    | # 7      |
| 66) 4-Bromophenyl-phenylether  | 10.28 | 248  | 5975     | 5.11   | ng    | # 1      |

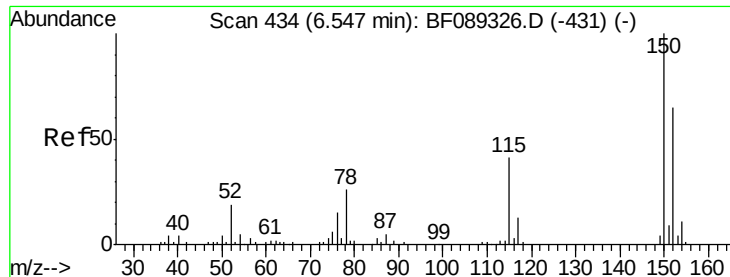
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF080216\  
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BNA\_F  
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SB-55-17.0-18.0

Quant Time: Aug 03 01:07:43 2016  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072716.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jul 28 16:02:32 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 441

Delta R.T. 0.08 min

Lab File: BF089556.D

Acq: 2 Aug 2016 19:40

Instrument :

BNA\_F

ClientSampleId :

SB-55-17.0-18.0

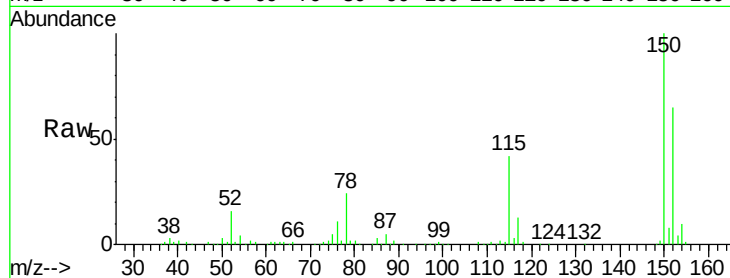
Tgt Ion:152 Resp: 162188

Ion Ratio Lower Upper

152 100

150 155.0 129.5 194.3

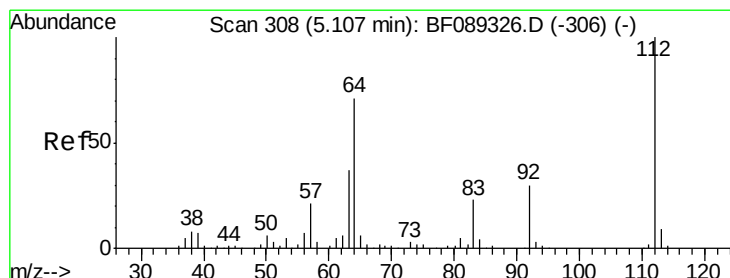
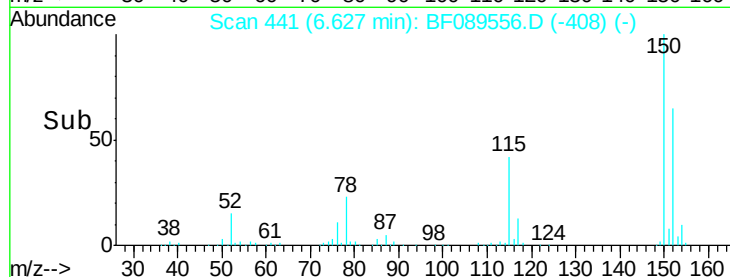
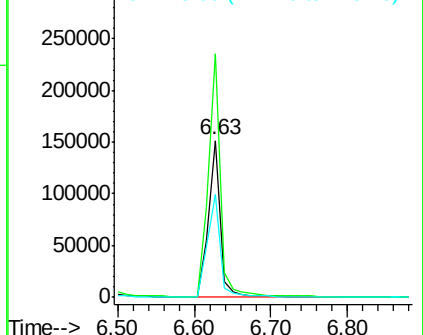
115 65.2 51.4 77.2



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: 33.50 ng

RT: 5.04 min Scan# 302

Delta R.T. -0.07 min

Lab File: BF089556.D

Acq: 2 Aug 2016 19:40

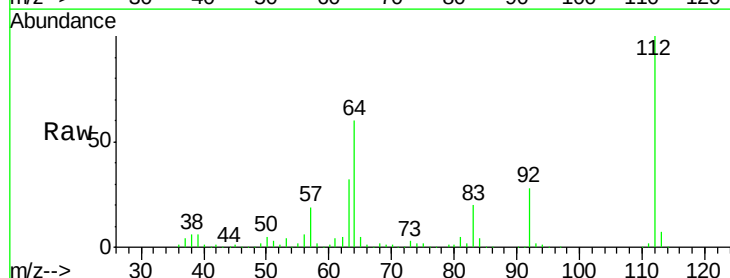
Tgt Ion:112 Resp: 340290

Ion Ratio Lower Upper

112 100

64 60.3 55.0 82.6

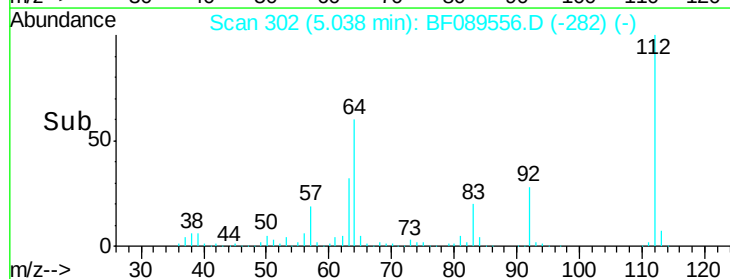
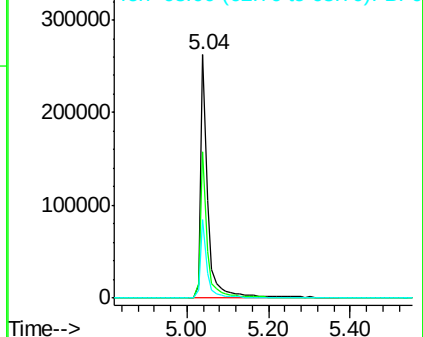
63 32.2 29.4 44.2

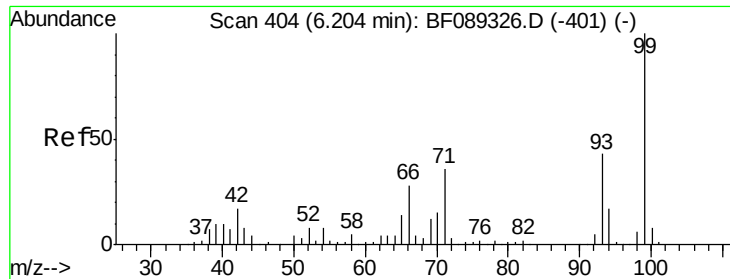


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.14 ng

RT: 6.14 min Scan# 398

Delta R.T. -0.07 min

Lab File: BF089556.D

Acq: 2 Aug 2016 19:40

Instrument :

BNA\_F

ClientSampleId :

SB-55-17.0-18.0

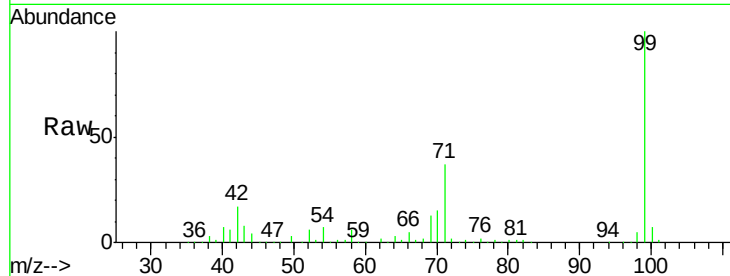
Tgt Ion: 99 Resp: 485150

Ion Ratio Lower Upper

99 100

42 17.3 13.6 20.4

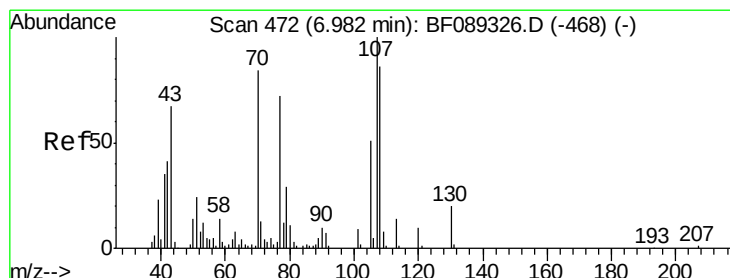
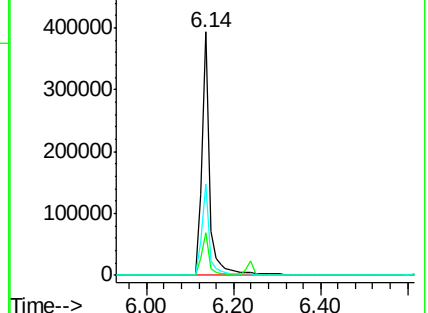
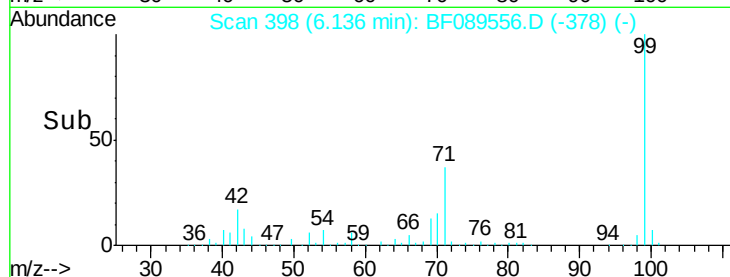
71 37.4 29.4 44.2



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: 4.47 ng

RT: 7.05 min Scan# 478

Delta R.T. 0.07 min

Lab File: BF089556.D

Acq: 2 Aug 2016 19:40

Tgt Ion: 70 Resp: 36198

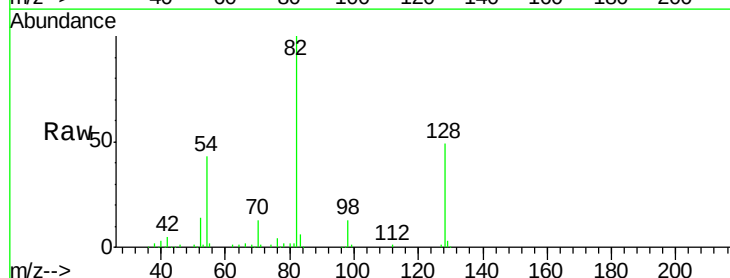
Ion Ratio Lower Upper

70 100

42 40.6 38.6 57.8

101 0.0 8.3 12.5#

130 2.7 19.0 28.4#

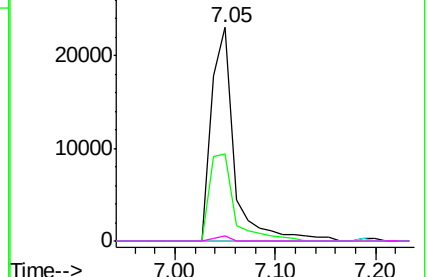
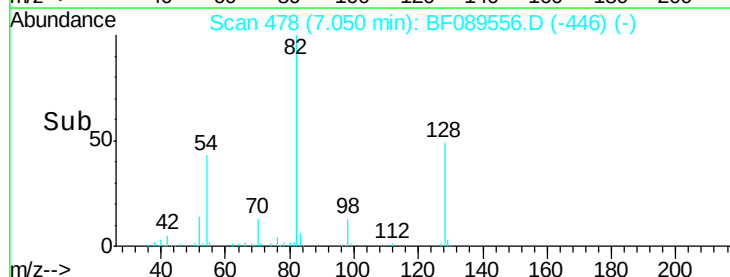


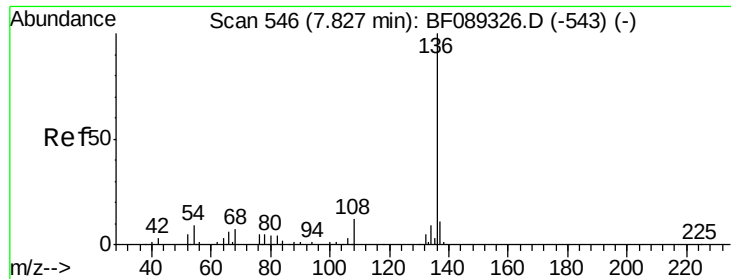
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

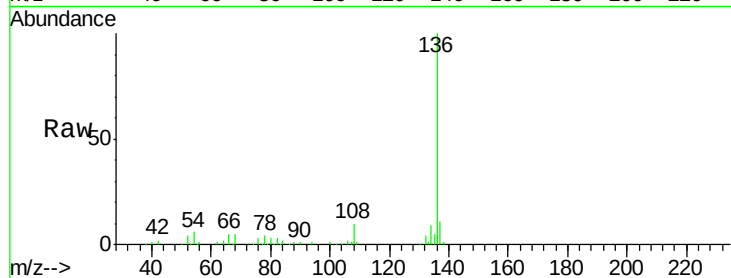




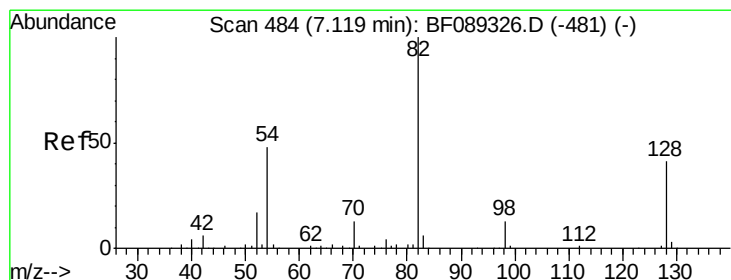
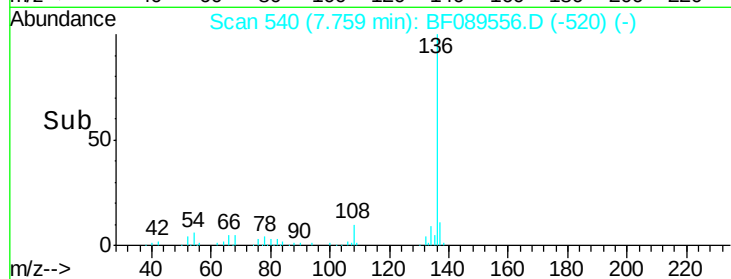
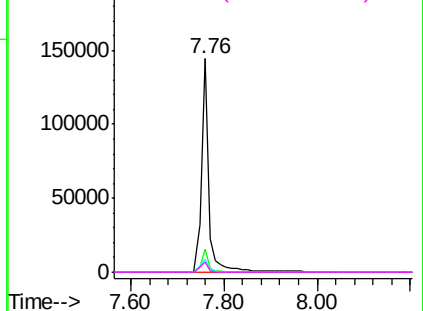
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.76 min Scan# 540  
Delta R.T. -0.07 min  
Lab File: BF089556.D  
Acq: 2 Aug 2016 19:40

Instrument :  
BNA\_F  
ClientSampleId :  
SB-55-17.0-18.0

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 162037 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 8.6   | 13.0   |
| 54       | 6.0   | 7.0   | 10.4#  |
| 68       | 5.1   | 4.9   | 7.3    |

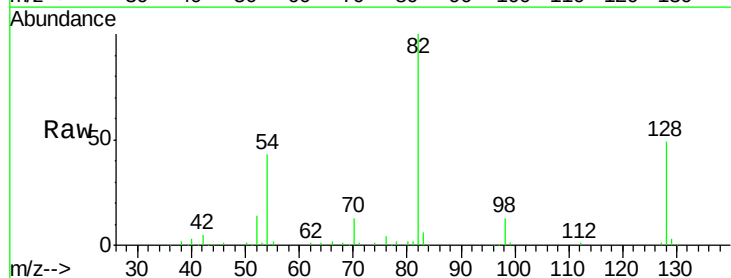


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

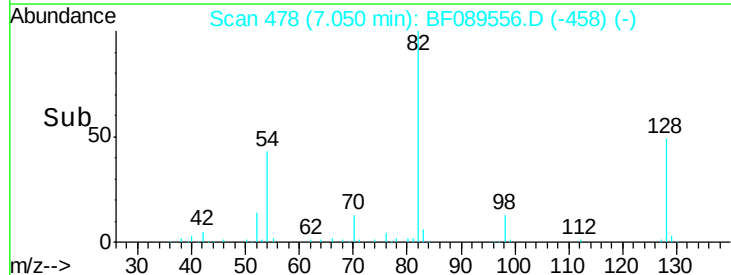
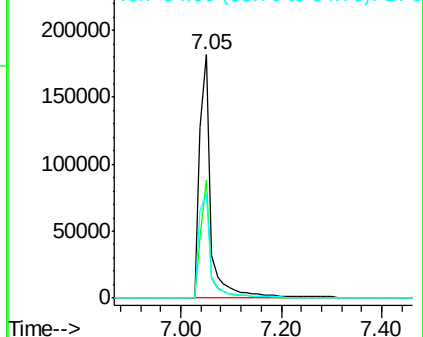


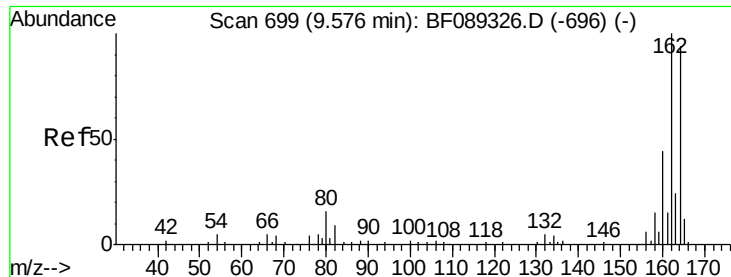
#23  
Nitrobenzene-d5  
Concen: 103.64 ng  
RT: 7.05 min Scan# 478  
Delta R.T. -0.07 min  
Lab File: BF089556.D  
Acq: 2 Aug 2016 19:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 284522 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 48.8  | 32.5  | 48.7#  |
| 54       | 43.0  | 38.8  | 58.2   |



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

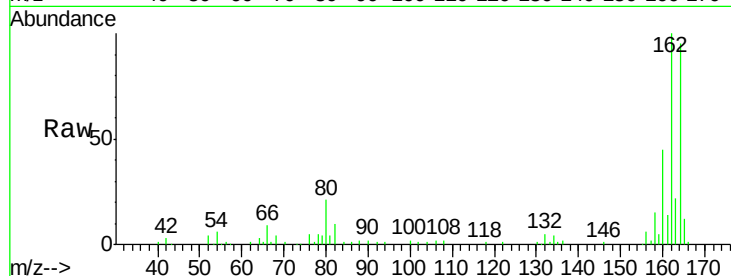




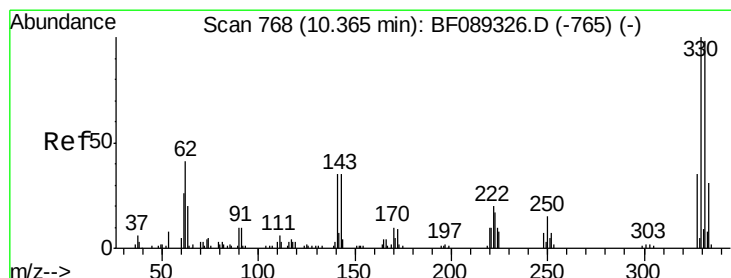
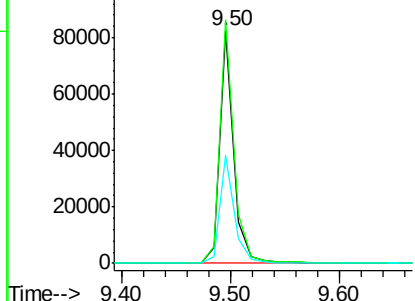
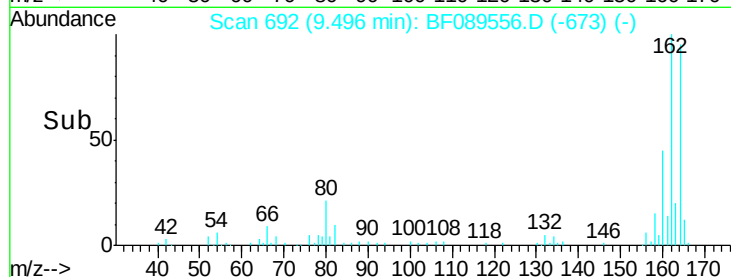
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.50 min Scan# 692  
 Delta R.T. -0.08 min  
 Lab File: BF089556.D  
 Acq: 2 Aug 2016 19:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-55-17.0-18.0

Tgt Ion:164 Resp: 74083  
 Ion Ratio Lower Upper  
 164 100  
 162 104.8 83.7 125.5  
 160 46.7 37.8 56.6

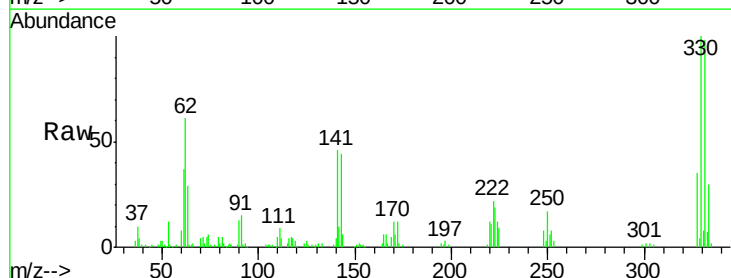


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

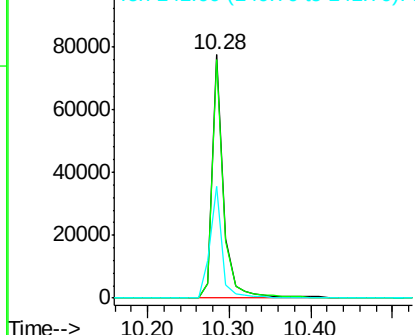
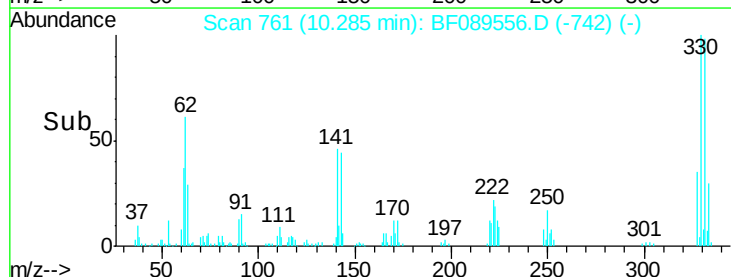


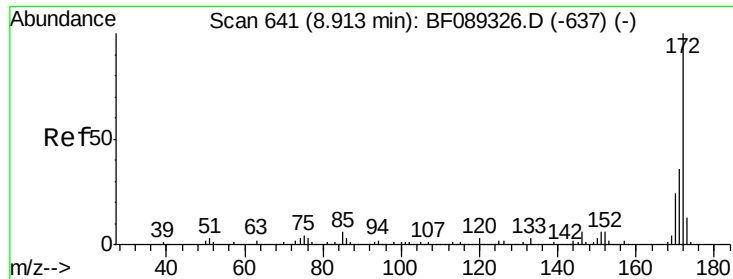
#41  
 2,4,6-Tribromophenol  
 Concen: 125.25 ng  
 RT: 10.28 min Scan# 761  
 Delta R.T. -0.08 min  
 Lab File: BF089556.D  
 Acq: 2 Aug 2016 19:40

Tgt Ion:330 Resp: 76849  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 76.8 115.2  
 141 49.4 37.3 55.9



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

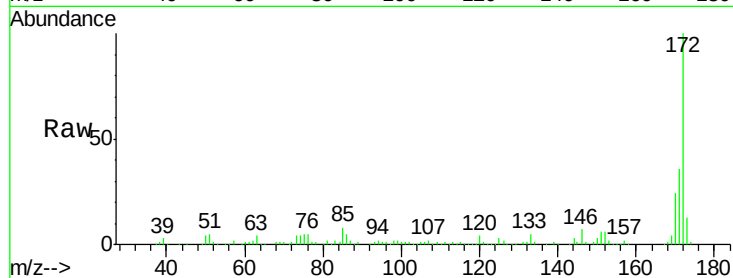




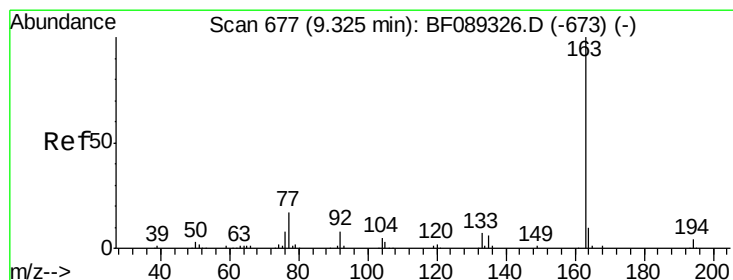
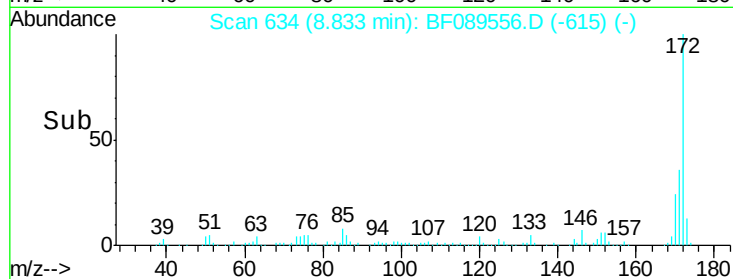
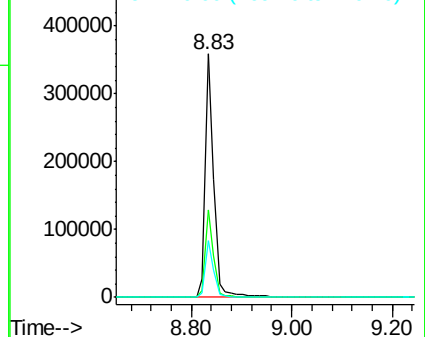
#44  
 2-Fluorobiphenyl  
 Concen: 84.48 ng  
 RT: 8.83 min Scan# 634  
 Delta R.T. -0.08 min  
 Lab File: BF089556.D  
 Acq: 2 Aug 2016 19:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-55-17.0-18.0

Tgt Ion:172 Resp: 426478  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.2 43.8  
 170 23.5 19.2 28.8

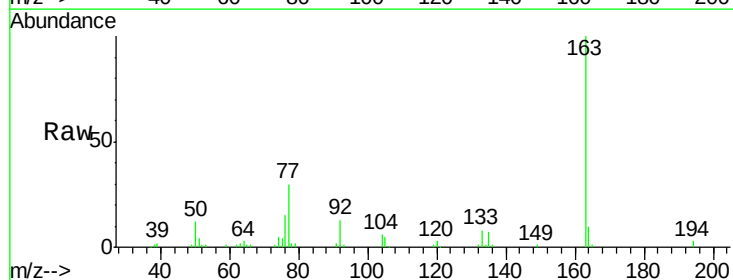


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

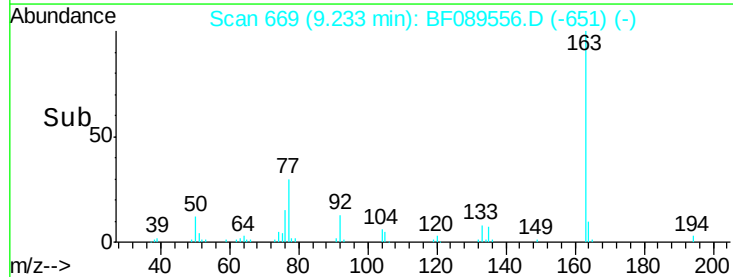
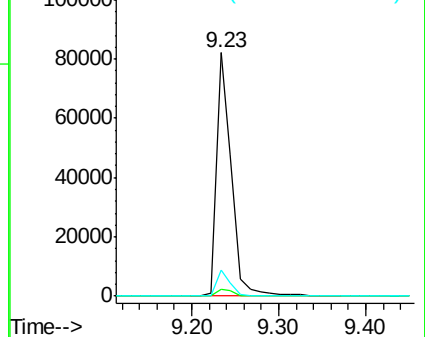


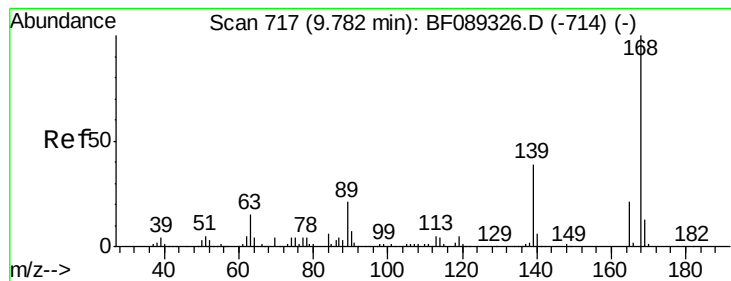
#49  
 Dimethylphthalate  
 Concen: 17.47 ng  
 RT: 9.23 min Scan# 669  
 Delta R.T. -0.09 min  
 Lab File: BF089556.D  
 Acq: 2 Aug 2016 19:40

Tgt Ion:163 Resp: 98478  
 Ion Ratio Lower Upper  
 163 100  
 194 3.0 2.8 4.2  
 164 10.4 7.8 11.8



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: 5.91 ng

RT: 9.50 min Scan# 692

Delta R.T. -0.29 min

Lab File: BF089556.D

Acq: 2 Aug 2016 19:40

Instrument :

BNA\_F

ClientSampleId :

SB-55-17.0-18.0

Tgt Ion:165 Resp: 9021

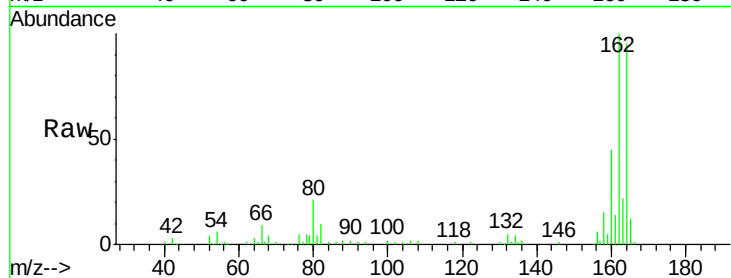
Ion Ratio Lower Upper

165 100

63 0.0 58.2 87.2#

89 0.0 79.1 118.7#

182 0.0 1.8 2.8#

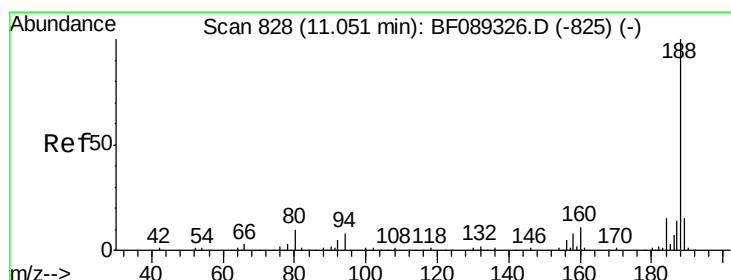
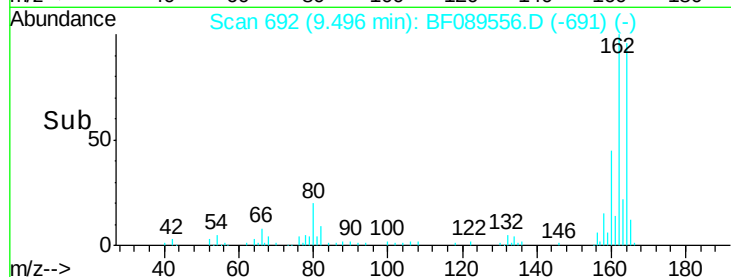
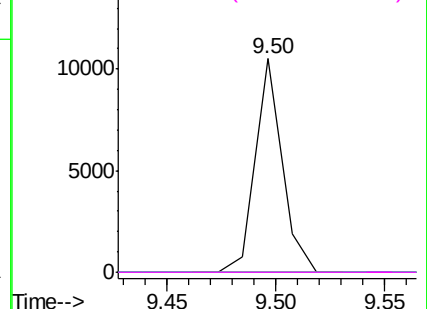


Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.97 min Scan# 821

Delta R.T. -0.08 min

Lab File: BF089556.D

Acq: 2 Aug 2016 19:40

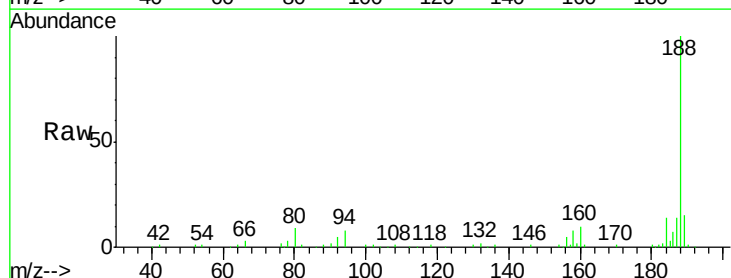
Tgt Ion:188 Resp: 122366

Ion Ratio Lower Upper

188 100

94 8.4 6.5 9.7

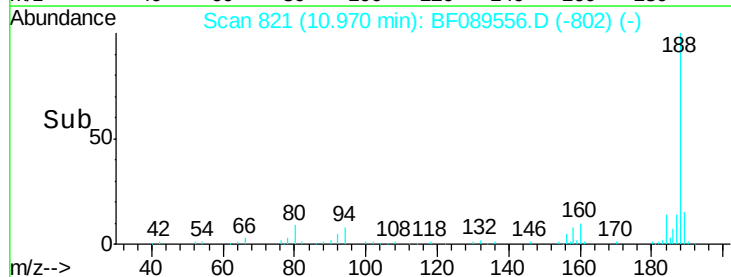
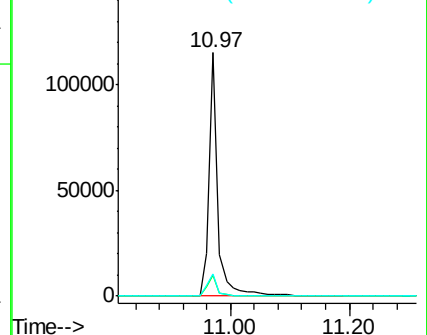
80 9.3 7.2 10.8



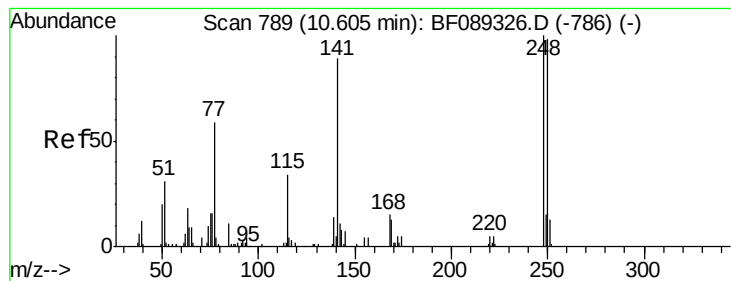
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0







#66

4-Bromophenyl-phenylether

Concen: 5.11 ng

RT: 10.28 min Scan# 761

Delta R.T. -0.32 min

Lab File: BF089556.D

Acq: 2 Aug 2016 19:40

Instrument :

BNA\_F

ClientSampleId :

SB-55-17.0-18.0

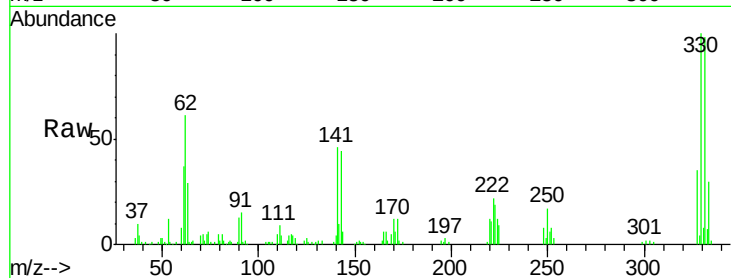
Tgt Ion:248 Resp: 5975

Ion Ratio Lower Upper

248 100

250 198.2 78.2 117.2#

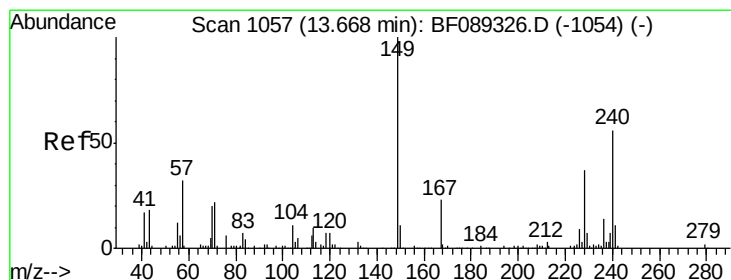
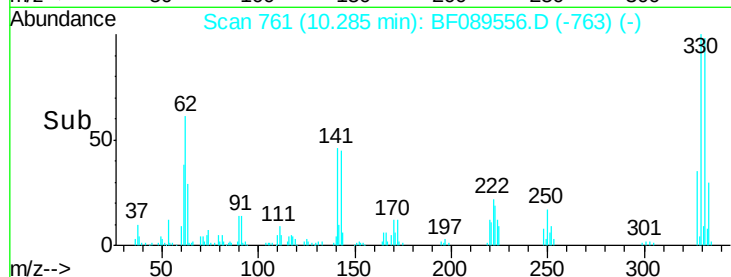
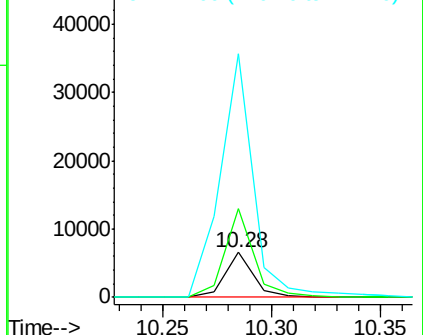
141 545.8 62.0 93.0#



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: 13.59 min Scan# 1050

Delta R.T. -0.08 min

Lab File: BF089556.D

Acq: 2 Aug 2016 19:40

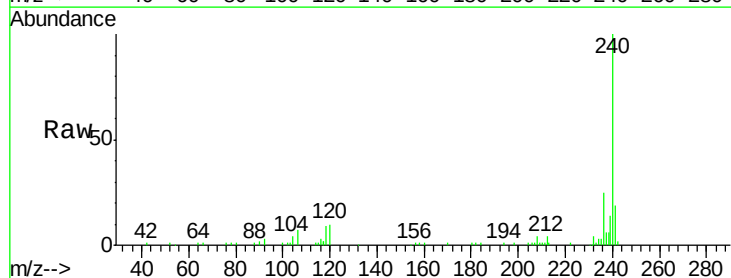
Tgt Ion:240 Resp: 87102

Ion Ratio Lower Upper

240 100

120 10.1 9.1 13.7

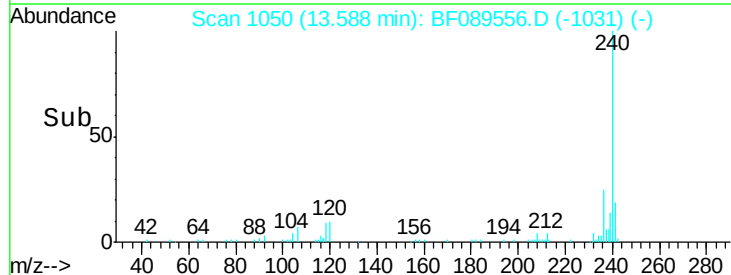
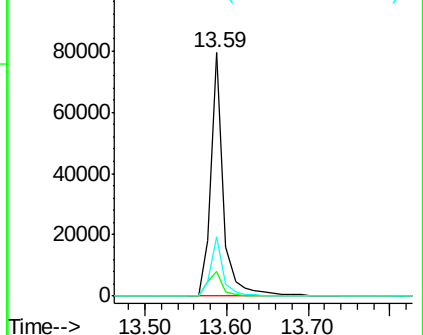
236 24.6 20.6 30.8

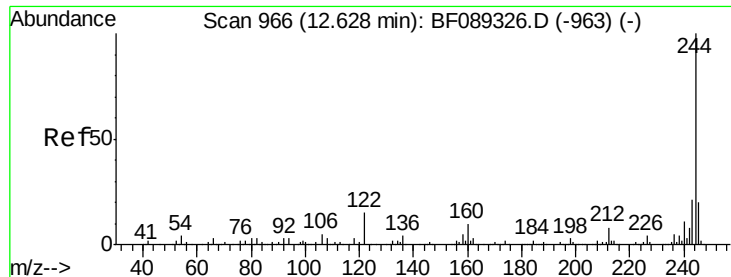


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

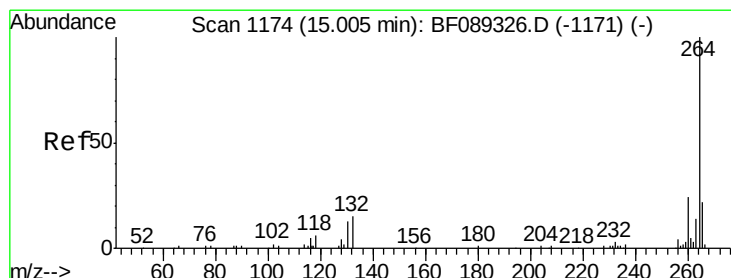
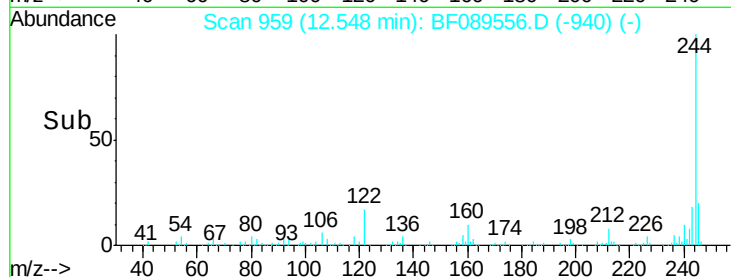
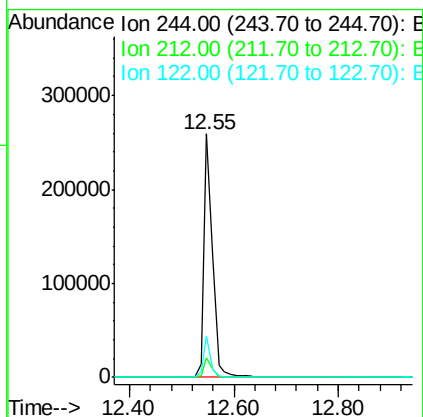
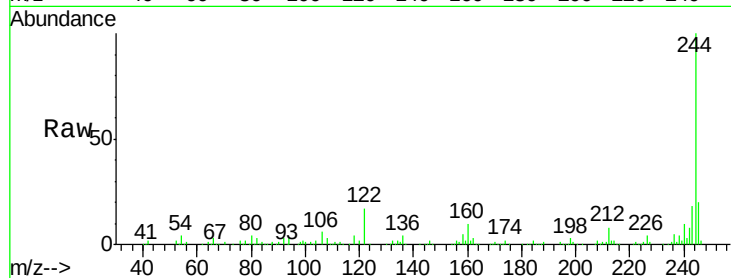




#78  
 Terphenyl-d14  
 Concen: 80.27 ng  
 RT: 12.55 min Scan# 959  
 Delta R.T. -0.08 min  
 Lab File: BF089556.D  
 Acq: 2 Aug 2016 19:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-55-17.0-18.0

Tgt Ion:244 Resp: 298731  
 Ion Ratio Lower Upper  
 244 100  
 212 8.2 6.5 9.7  
 122 17.0 11.4 17.0



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 14.91 min Scan# 1166  
 Delta R.T. -0.09 min  
 Lab File: BF089556.D  
 Acq: 2 Aug 2016 19:40

Tgt Ion:264 Resp: 79985  
 Ion Ratio Lower Upper  
 264 100  
 260 22.9 19.0 28.4  
 265 20.7 17.5 26.3

