

Data Path : Z:\HPCHEM1\BNA F\Data\BF052916\  
 Data File : BF087581.D  
 Acq On : 31 May 2016 9:02  
 Operator : UM/SJ  
 Sample : H3323-08  
 Misc :  
 ALS Vial : 99 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 31 14:28:45 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 25 16:26:52 2016  
 Response via : Initial Calibration

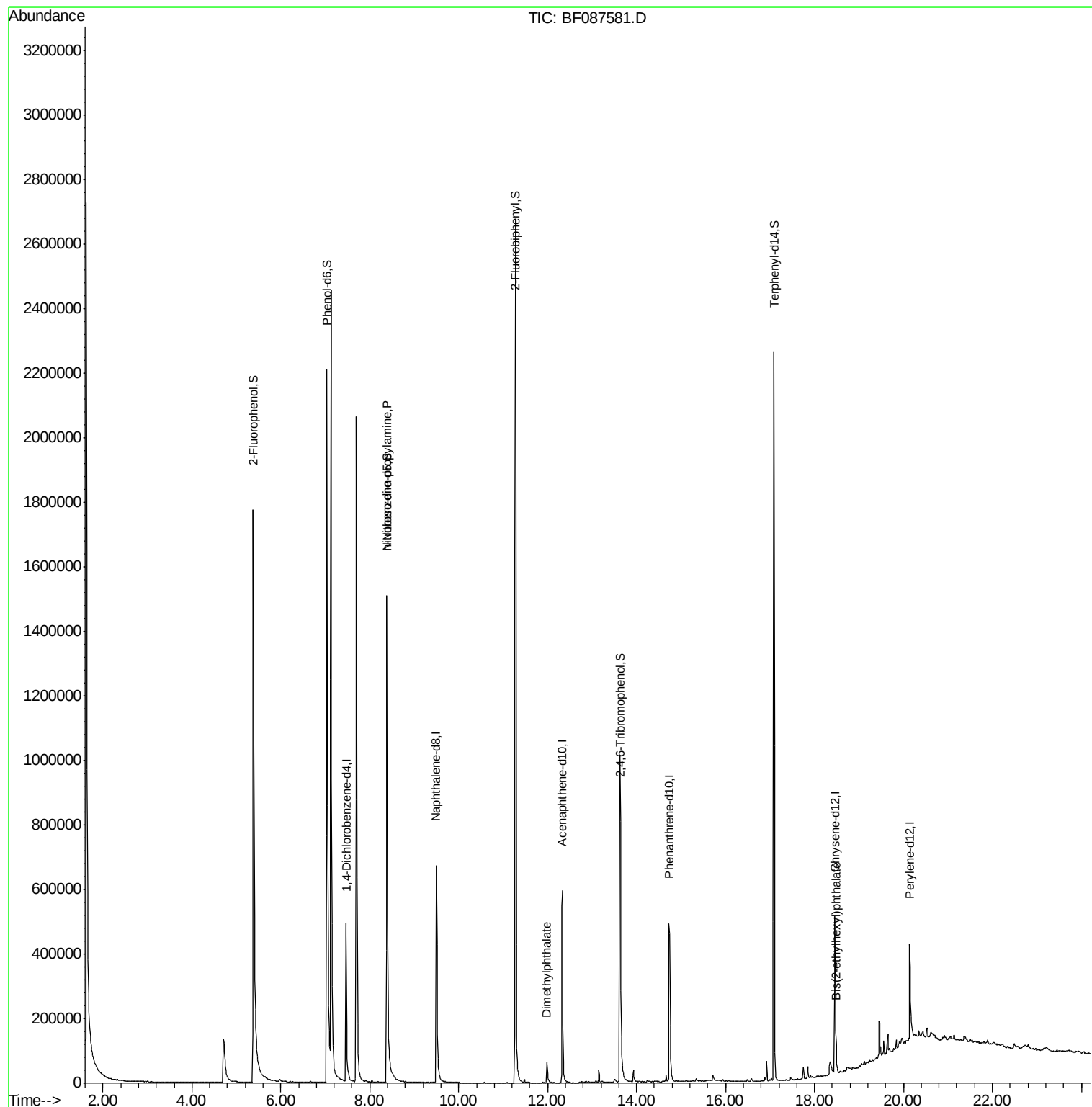
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.47  | 152  | 125238   | 20.00  | ng    | -0.05       |
| 21) Naphthalene-d8             | 9.50  | 136  | 482784   | 20.00  | ng    | -0.06       |
| 38) Acenaphthene-d10           | 12.33 | 164  | 202258   | 20.00  | ng    | -0.06       |
| 63) Phenanthrene-d10           | 14.73 | 188  | 340943   | 20.00  | ng    | -0.05       |
| 75) Chrysene-d12               | 18.46 | 240  | 261661   | 20.00  | ng    | -0.02       |
| 86) Perylene-d12               | 20.14 | 264  | 194338   | 20.00  | ng    | 0.00        |
| System Monitoring Compounds    |       |      |          |        |       |             |
| 5) 2-Fluorophenol              | 5.38  | 112  | 796926   | 111.81 | ng    | -0.03       |
| 7) Phenol-d6                   | 7.04  | 99   | 1054580  | 109.50 | ng    | -0.03       |
| 23) Nitrobenzene-d5            | 8.39  | 82   | 709336   | 74.05  | ng    | -0.06       |
| 41) 2,4,6-Tribromophenol       | 13.63 | 330  | 183285   | 94.30  | ng    | -0.05       |
| 44) 2-Fluorobiphenyl           | 11.28 | 172  | 1135873  | 79.17  | ng    | -0.06       |
| 78) Terphenyl-d14              | 17.09 | 244  | 833049   | 67.69  | ng    | -0.05       |
| Target Compounds               |       |      |          |        |       |             |
| 19) n-Nitroso-di-n-propylamine | 8.39  | 70   | 90816    | 12.64  | ng    | Qvalue # 75 |
| 49) Dimethylphthalate          | 11.98 | 163  | 57123    | 3.53   | ng    | 99          |
| 83) Bis(2-ethylhexyl)phthalate | 18.49 | 149  | 28549    | 2.34   | ng    | 95          |

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

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ALS Vial : 99 Sample Multiplier: 1

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QLast Update : Wed May 25 16:26:52 2016  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.47 min Scan# 515

Delta R.T. -0.05 min

Lab File: BF087581.D

Acq: 31 May 2016 9:02

Instrument :

BNA\_F

ClientSampleId :

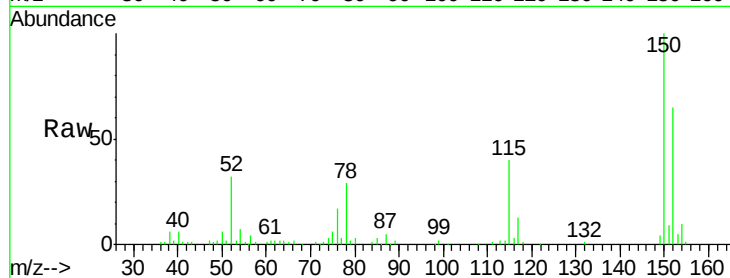
Tot Ion:152 Resp: 125238

Ion Ratio Lower Upper

152 100

150 153.9 125.8 188.6

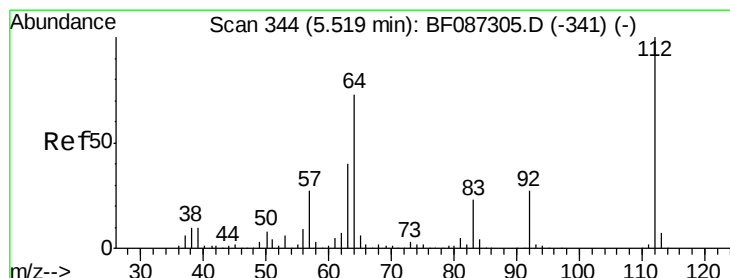
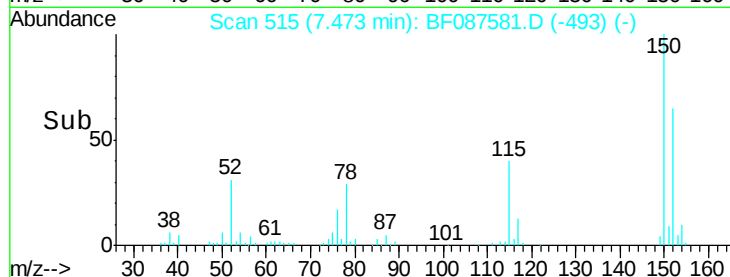
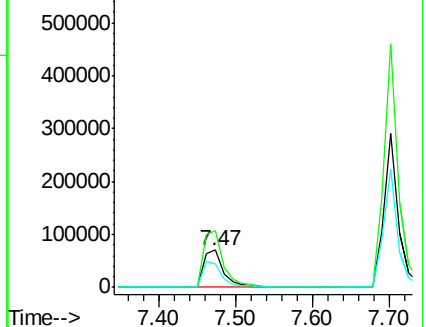
115 62.1 51.5 77.3



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: 111.81 ng

RT: 5.38 min Scan# 332

Delta R.T. -0.03 min

Lab File: BF087581.D

Acq: 31 May 2016 9:02

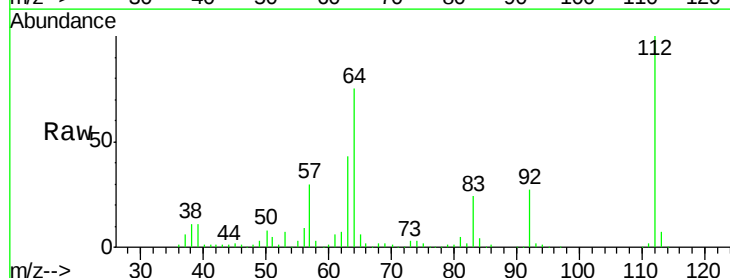
Tgt Ion:112 Resp: 796926

Ion Ratio Lower Upper

112 100

64 75.4 52.1 78.1

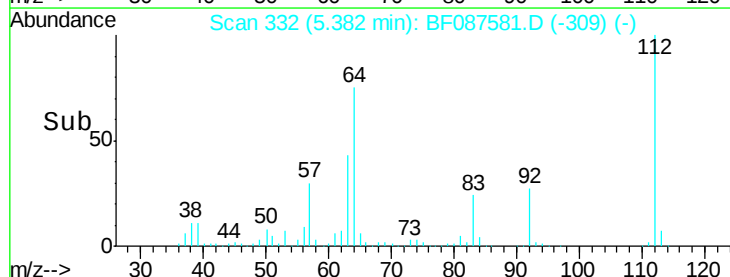
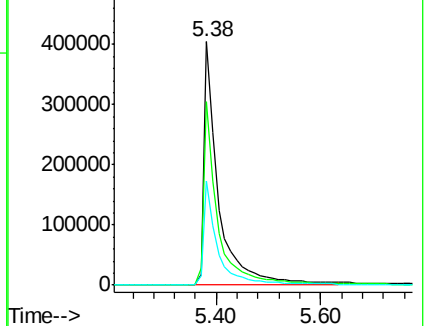
63 42.9 25.7 38.5#



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: 109.50 ng

RT: 7.04 min Scan# 477

Delta R.T. -0.03 min

Lab File: BF087581.D

Acq: 31 May 2016 9:02

Instrument :

BNA\_F

ClientSampleId :

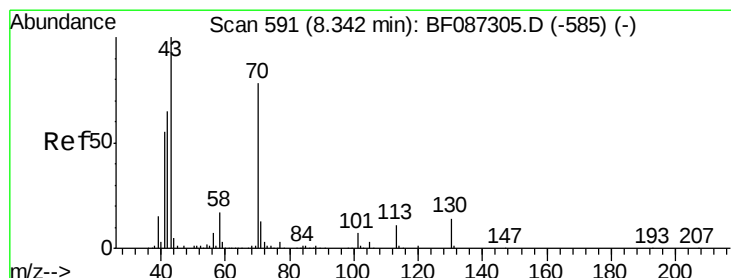
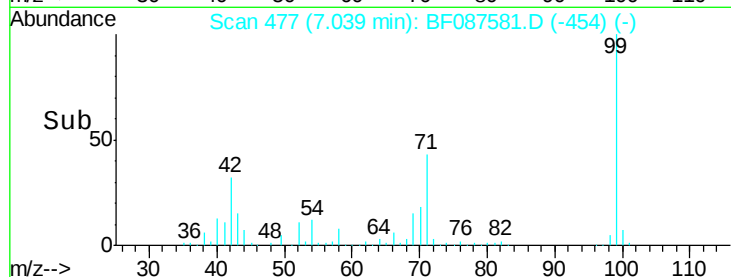
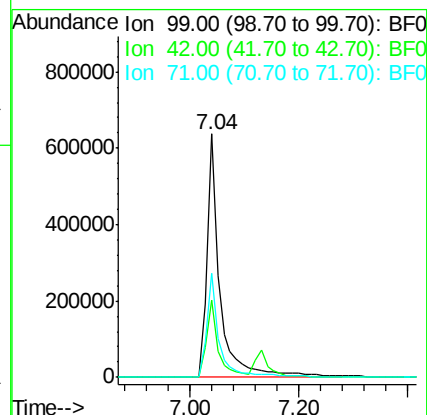
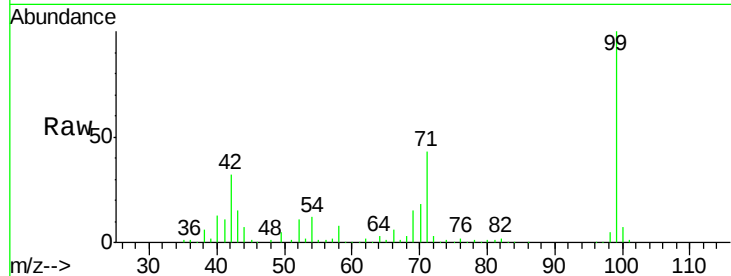
Tot Ion: 99 Resp: 1054580

Ion Ratio Lower Upper

99 100

42 31.6 13.6 20.4#

71 42.9 24.6 36.8#



#19

n-Nitroso-di-n-propylamine

Concen: 12.64 ng

RT: 8.39 min Scan# 595

Delta R.T. 0.14 min

Lab File: BF087581.D

Acq: 31 May 2016 9:02

Tgt Ion: 70 Resp: 90816

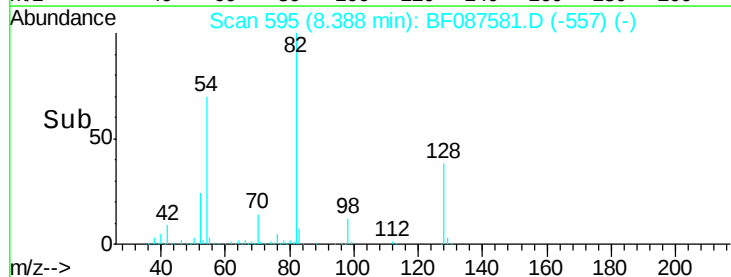
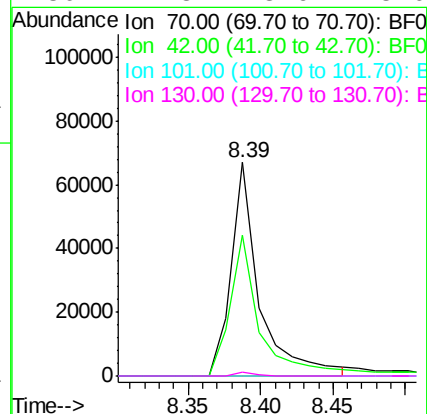
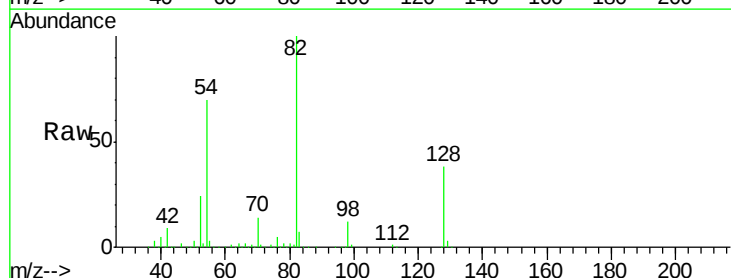
Ion Ratio Lower Upper

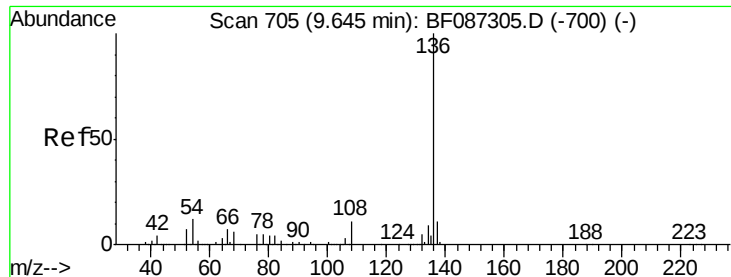
70 100

42 66.0 43.1 64.7#

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#

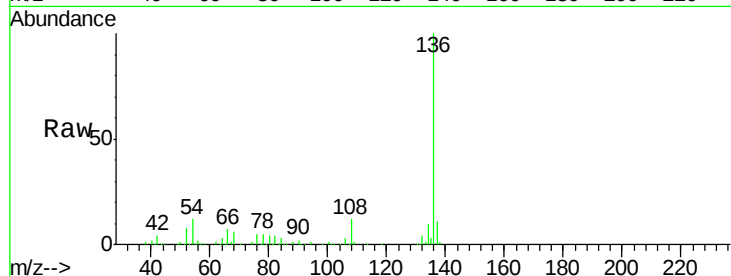




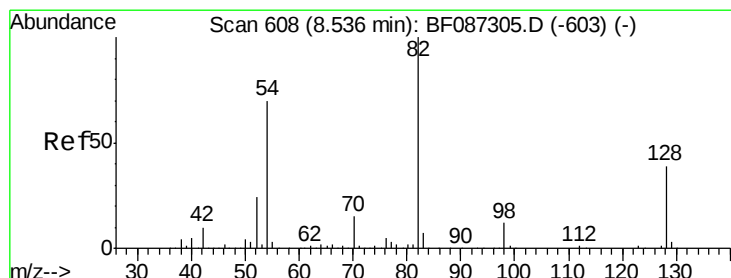
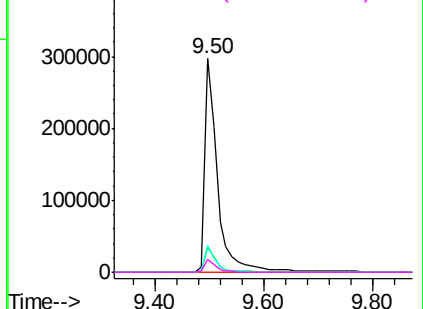
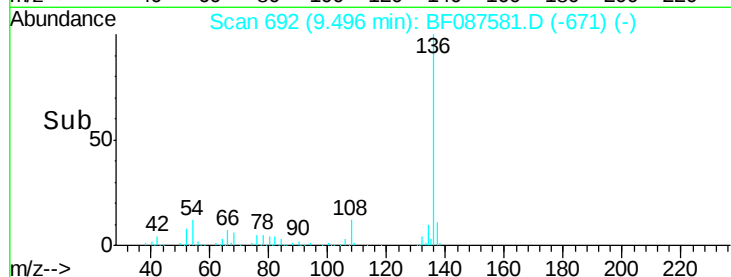
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 9.50 min Scan# 692  
Delta R.T. -0.06 min  
Lab File: BF087581.D  
Acq: 31 May 2016 9:02

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 482784   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.3  | 8.8 13.2 |
| 54          | 12.4  | 5.0 7.4# |
| 68          | 5.8   | 4.4 6.6  |

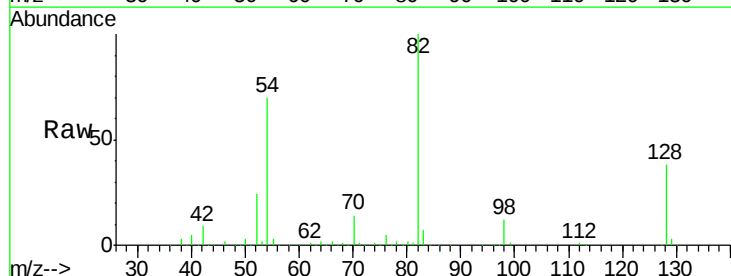


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

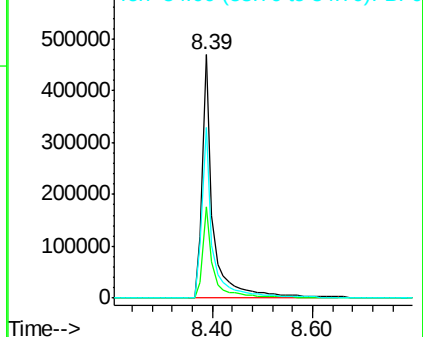
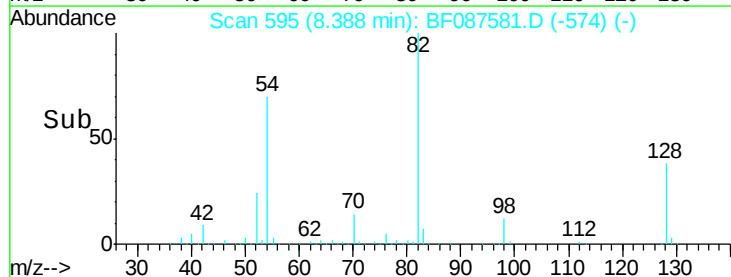


#23  
Nitrobenzene-d5  
Concen: 74.05 ng  
RT: 8.39 min Scan# 595  
Delta R.T. -0.06 min  
Lab File: BF087581.D  
Acq: 31 May 2016 9:02

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 82 | Resp: | 709336     |
| Ion Ratio   | Lower | Upper      |
| 82          | 100   |            |
| 128         | 37.7  | 40.6 61.0# |
| 54          | 70.2  | 38.1 57.1# |



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

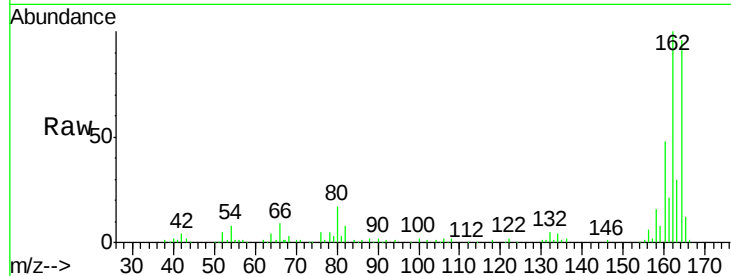




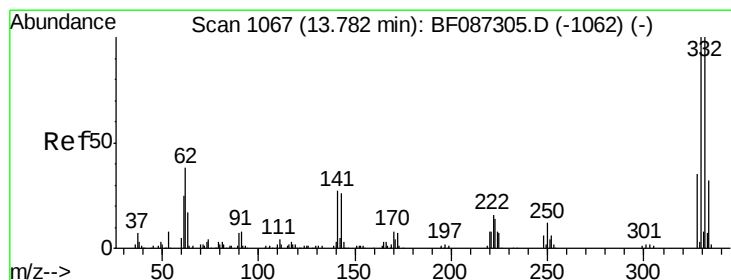
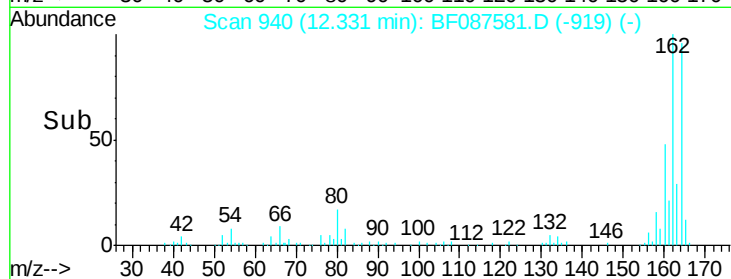
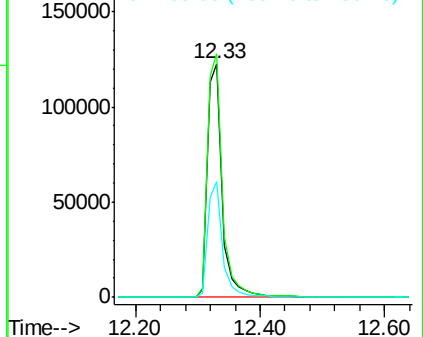
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 12.33 min Scan# 940  
 Delta R.T. -0.06 min  
 Lab File: BF087581.D  
 Acq: 31 May 2016 9:02

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.2 | 82.8  | 124.2 |
| 160     | 49.7  | 36.9  | 55.3  |

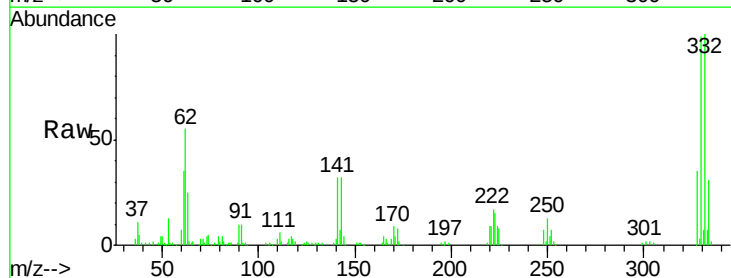


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

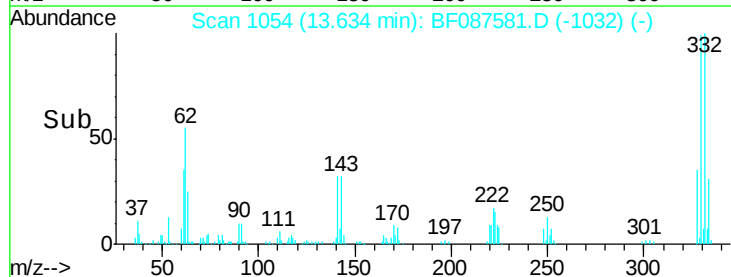
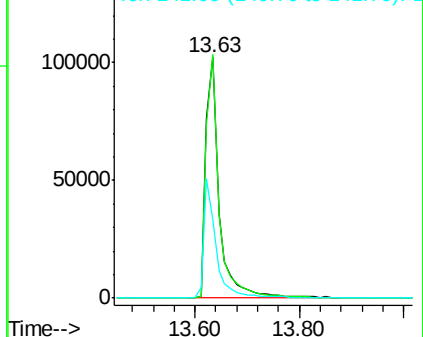


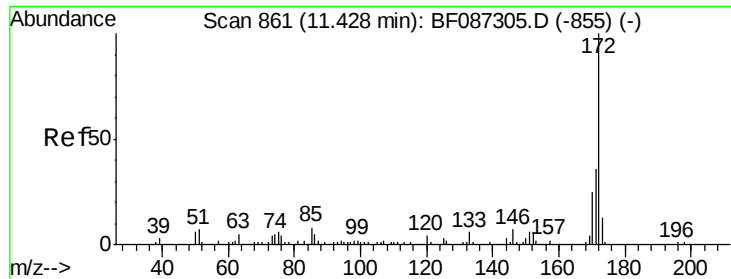
#41  
 2,4,6-Tribromophenol  
 Concen: 94.30 ng  
 RT: 13.63 min Scan# 1054  
 Delta R.T. -0.05 min  
 Lab File: BF087581.D  
 Acq: 31 May 2016 9:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.9  | 79.0  | 118.4 |
| 141     | 45.2  | 31.2  | 46.8  |



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: 79.17 ng

RT: 11.28 min Scan# 848

Delta R.T. -0.06 min

Lab File: BF087581.D

Acq: 31 May 2016 9:02

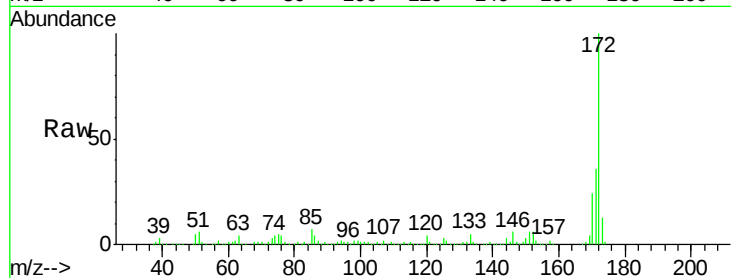
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:172 Resp: 1135873

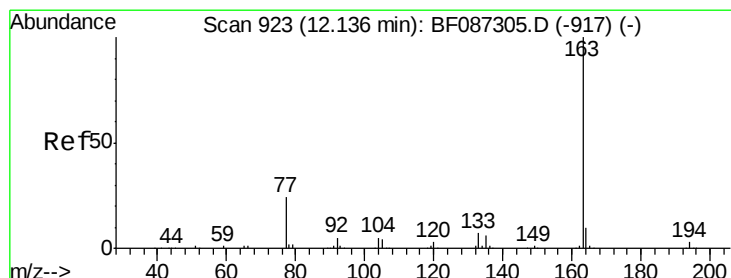
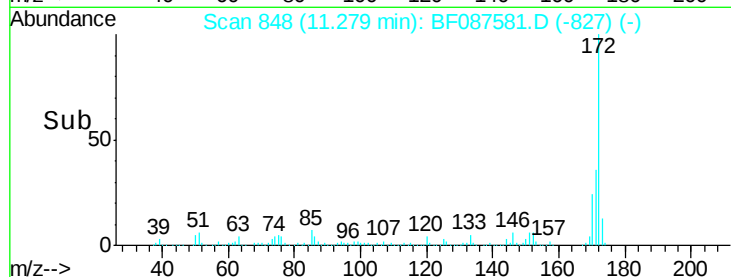
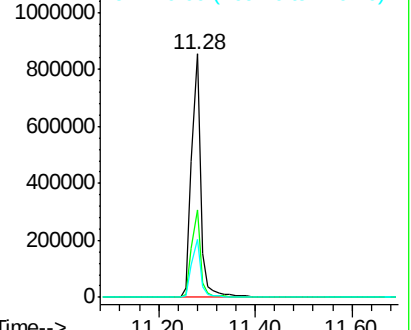
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.8  | 29.0  | 43.6  |
| 170 | 24.1  | 19.8  | 29.8  |



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: 3.53 ng

RT: 11.98 min Scan# 909

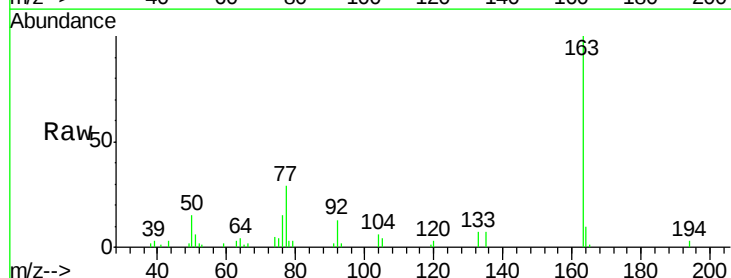
Delta R.T. -0.07 min

Lab File: BF087581.D

Acq: 31 May 2016 9:02

Tgt Ion:163 Resp: 57123

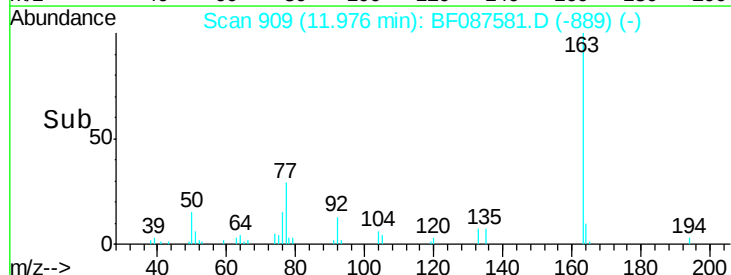
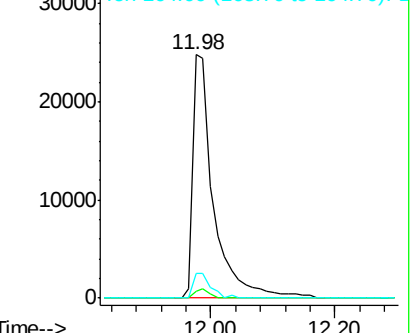
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 2.7   | 2.6   | 4.0   |
| 164 | 10.1  | 8.2   | 12.4  |

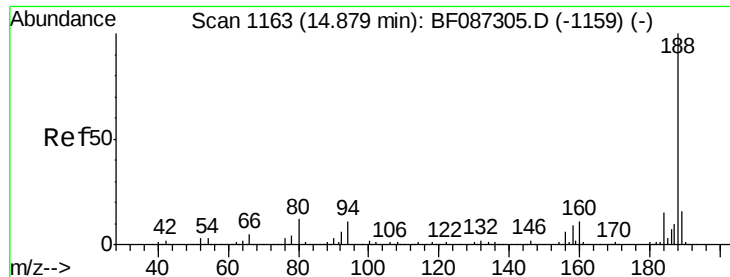


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

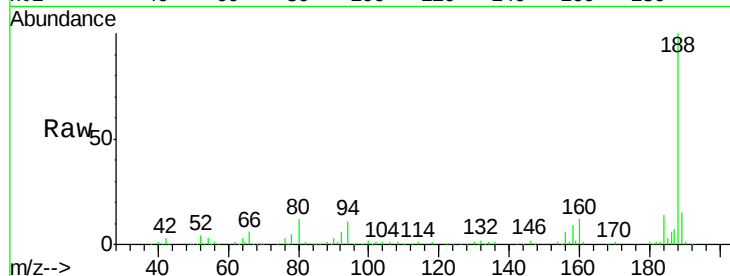




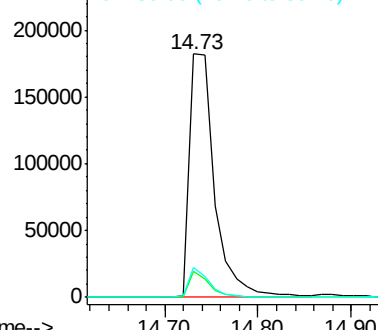
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 14.73 min Scan# 1150  
Delta R.T. -0.05 min  
Lab File: BF087581.D  
Acq: 31 May 2016 9:02

Instrument :  
BNA\_F  
ClientSampleId :

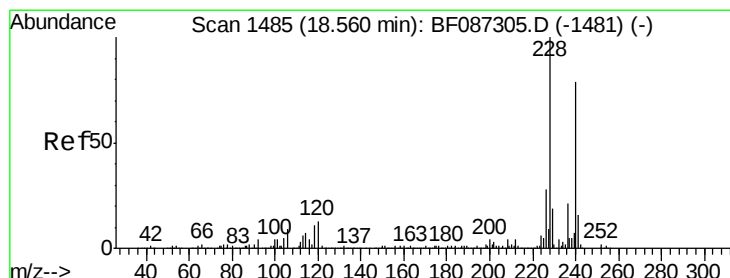
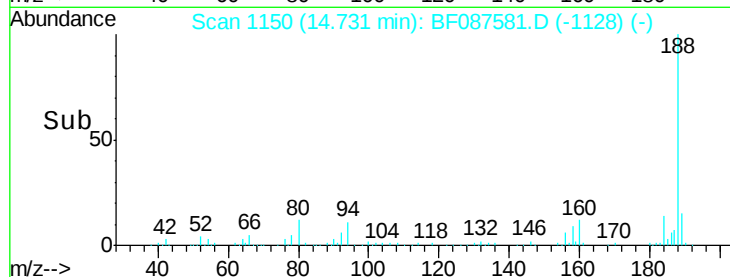
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.9  | 6.8   | 10.2# |
| 80      | 12.4  | 7.1   | 10.7# |



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

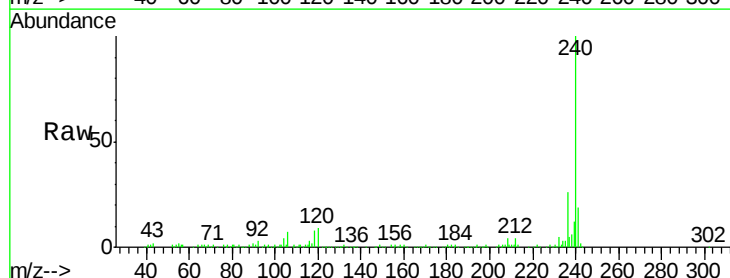


Time-->

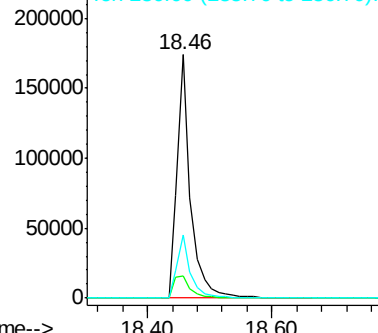


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 18.46 min Scan# 1476  
Delta R.T. -0.02 min  
Lab File: BF087581.D  
Acq: 31 May 2016 9:02

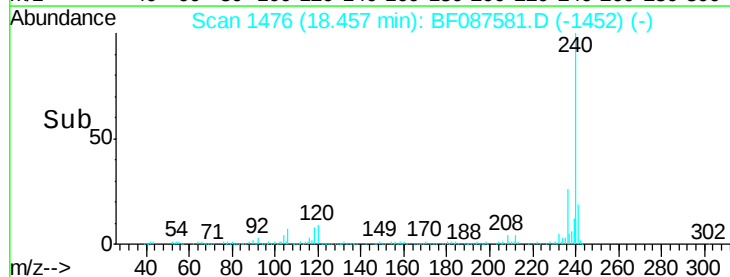
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.2   | 11.2  | 16.8# |
| 236     | 25.8  | 21.2  | 31.8  |

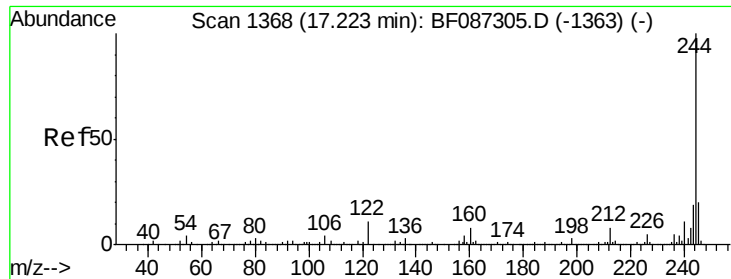


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E



Time-->





#78

Terphenyl-d14

Concen: 67.69 ng

RT: 17.09 min Scan# 1356

Delta R.T. -0.05 min

Lab File: BF087581.D

Acq: 31 May 2016 9:02

Instrument :

BNA\_F

ClientSampleId :

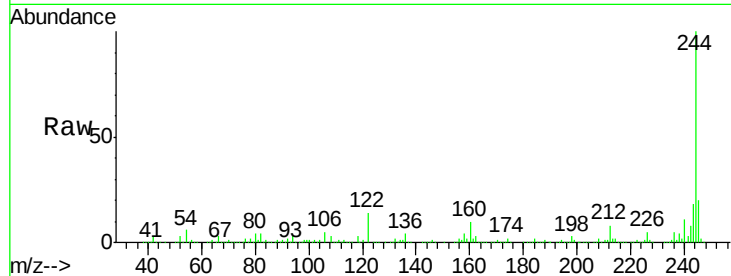
Tot Ion:244 Resp: 833049

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

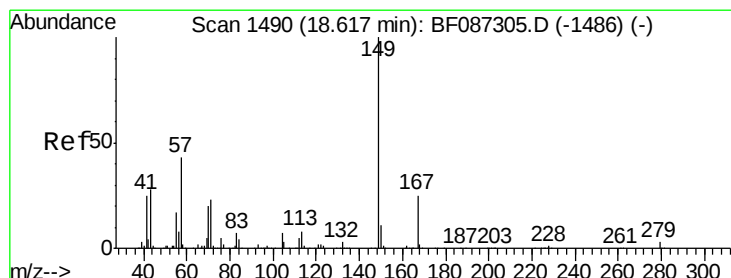
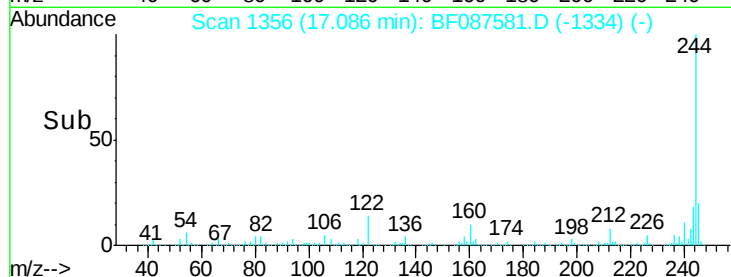
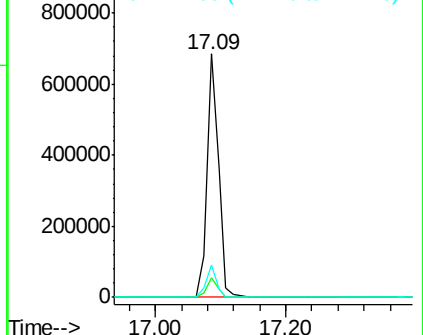
122 13.5 12.0 18.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.34 ng

RT: 18.49 min Scan# 1479

Delta R.T. -0.05 min

Lab File: BF087581.D

Acq: 31 May 2016 9:02

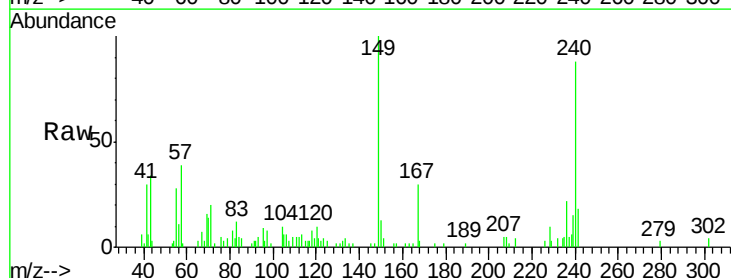
Tgt Ion:149 Resp: 28549

Ion Ratio Lower Upper

149 100

167 30.0 21.8 32.6

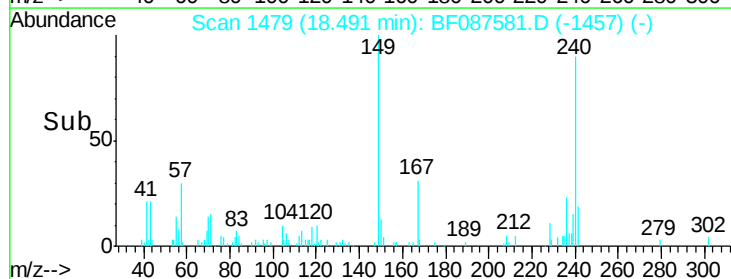
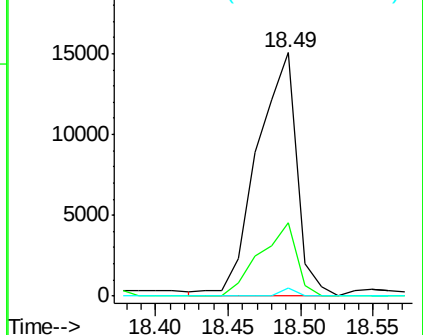
279 3.4 2.6 4.0

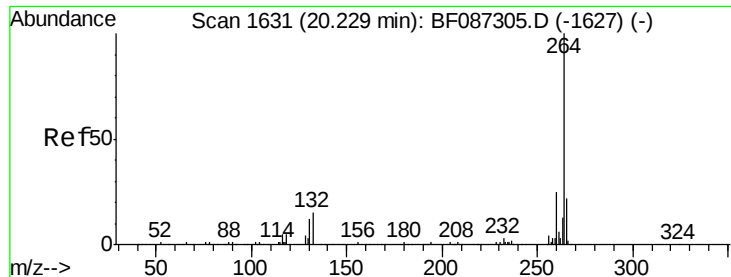


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

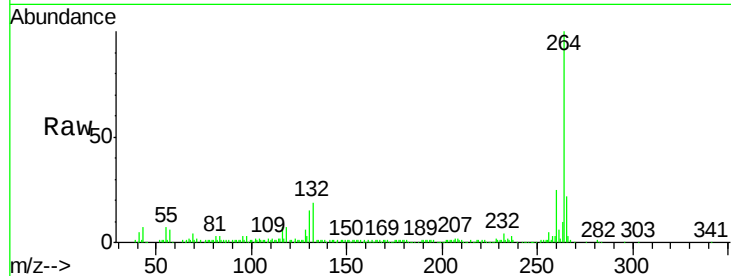




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 20.14 min Scan# 1623  
Delta R.T. 0.00 min  
Lab File: BF087581.D  
Acq: 31 May 2016 9:02

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.6  | 19.5  | 29.3  |
| 265     | 22.4  | 17.3  | 25.9  |



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

