

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF022615\  
 Data File : BF077467.D  
 Acq On : 26 Feb 2015 16:11  
 Operator : TP/IZ  
 Sample : G1348-06  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 36A-NW-022515

Quant Time: Feb 26 17:32:43 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF021915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 26 17:14:46 2015  
 Response via : Initial Calibration

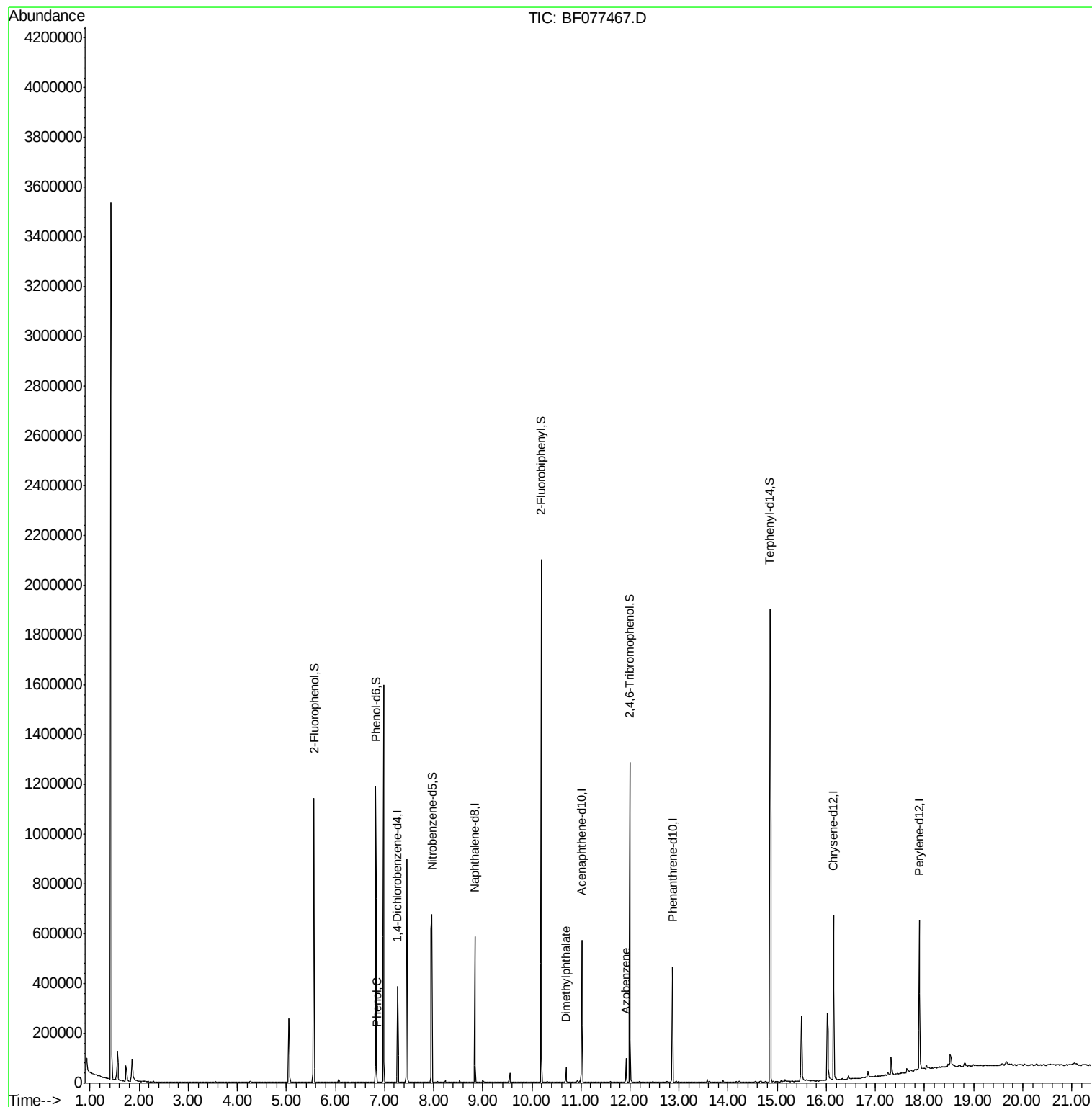
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.26  | 152  | 61055    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.84  | 136  | 250661   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 11.01 | 164  | 128656   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 12.87 | 188  | 257004   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 16.15 | 240  | 292430   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 17.89 | 264  | 282061   | 20.00  | ng    | -0.11    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.56  | 112  | 427386   | 116.86 | ng    | 0.00     |
| 7) Phenol-d6                | 6.82  | 99   | 517092   | 109.97 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.96  | 82   | 313333   | 77.73  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 12.00 | 330  | 152742   | 123.30 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 10.19 | 172  | 654509   | 79.32  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.85 | 244  | 772852   | 61.78  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.84  | 94   | 14174    | 2.54   | ng    | 95       |
| 49) Dimethylphthalate       | 10.69 | 163  | 25622    | 2.83   | ng    | 99       |
| 62) Azobenzene              | 11.92 | 77   | 18146    | 2.15   | ng    | # 1      |

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

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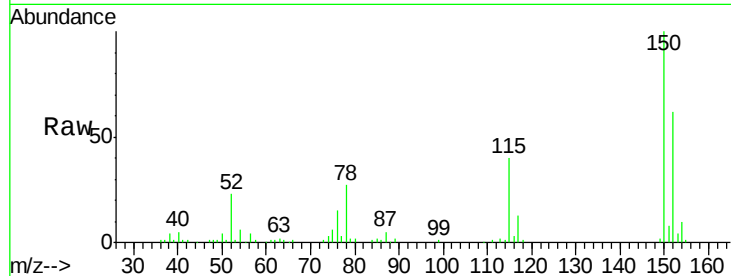


#1

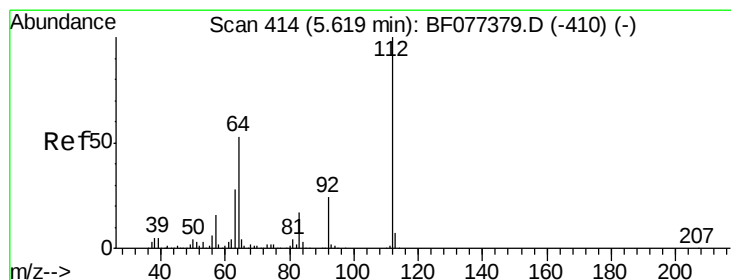
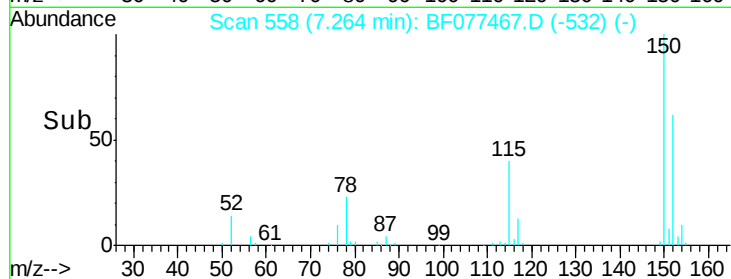
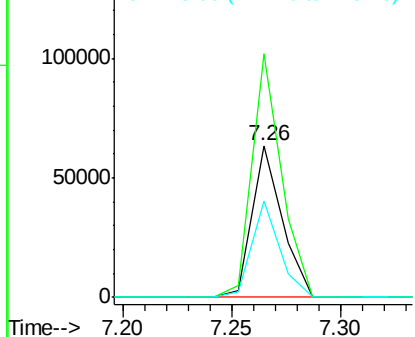
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.26 min Scan# 558  
Delta R.T. -0.00 min  
Lab File: BF077467.D  
Acq: 26 Feb 2015 16:11

Instrument :  
BNA\_F  
ClientSampleId :  
36A-NW-022515

Tgt Ion:152 Resp: 61055  
Ion Ratio Lower Upper  
152 100  
150 160.3 124.0 186.0  
115 63.5 49.4 74.2



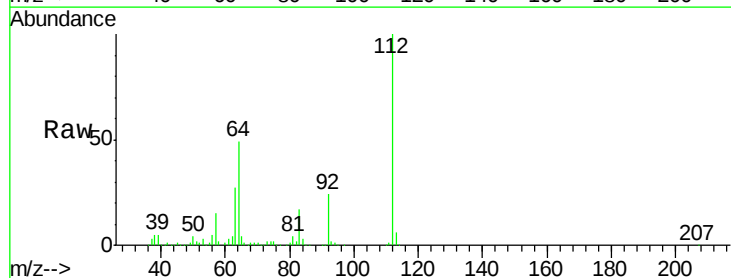
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



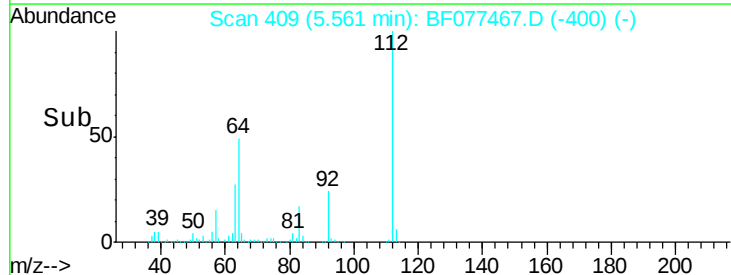
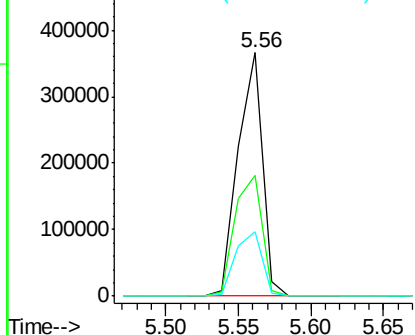
#5

2-Fluorophenol  
Concen: 116.86 ng  
RT: 5.56 min Scan# 409  
Delta R.T. 0.00 min  
Lab File: BF077467.D  
Acq: 26 Feb 2015 16:11

Tgt Ion:112 Resp: 427386  
Ion Ratio Lower Upper  
112 100  
64 49.4 48.5 72.7  
63 26.7 25.0 37.4



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: 109.97 ng

RT: 6.82 min Scan# 519

Delta R.T. -0.01 min

Lab File: BF077467.D

Acq: 26 Feb 2015 16:11

Instrument :

BNA\_F

ClientSampleId :

36A-NW-022515

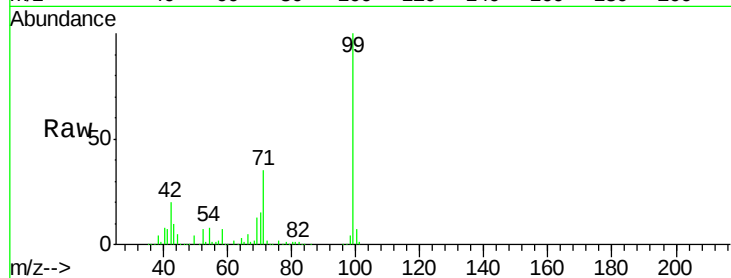
Tgt Ion: 99 Resp: 517092

Ion Ratio Lower Upper

99 100

42 19.8 16.2 24.4

71 34.9 26.7 40.1



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

500000

400000

300000

200000

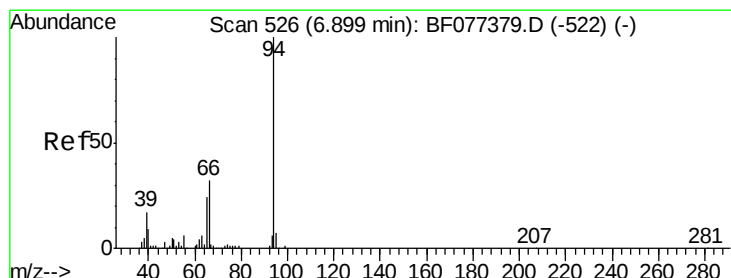
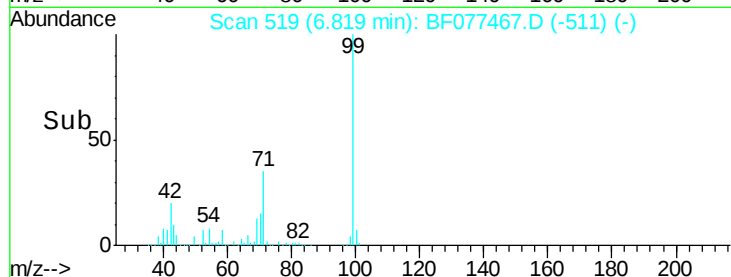
100000

0

6.82

6.80 6.90

Time-->



#10

Phenol

Concen: 2.54 ng

RT: 6.84 min Scan# 521

Delta R.T. -0.00 min

Lab File: BF077467.D

Acq: 26 Feb 2015 16:11

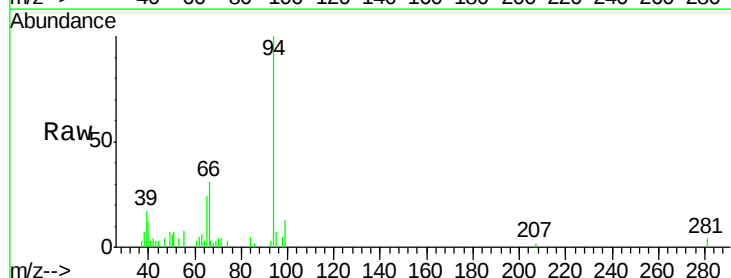
Tgt Ion: 94 Resp: 14174

Ion Ratio Lower Upper

94 100

65 23.6 5.7 45.7

66 30.5 13.6 53.6



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

25000

20000

15000

10000

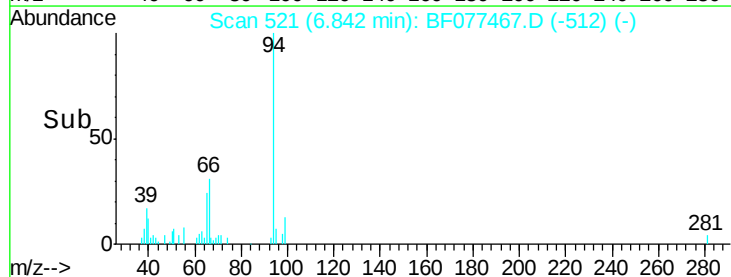
5000

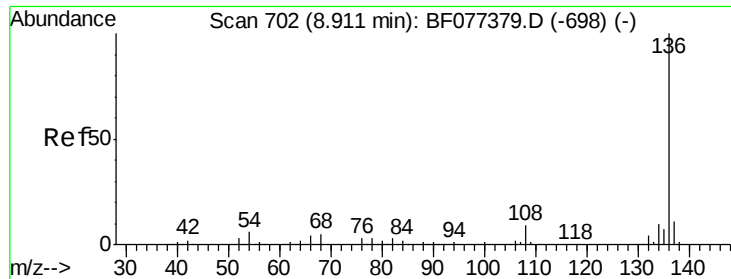
0

6.84

6.80 6.85 6.90

Time-->

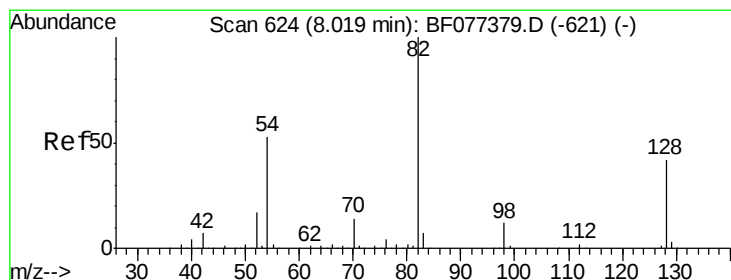
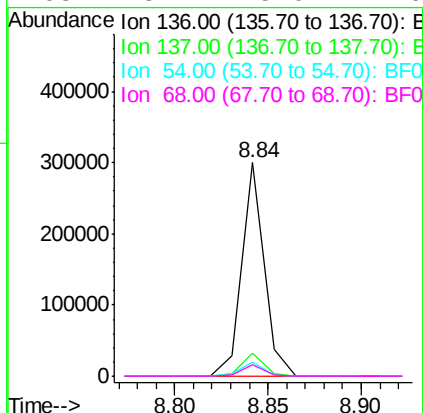
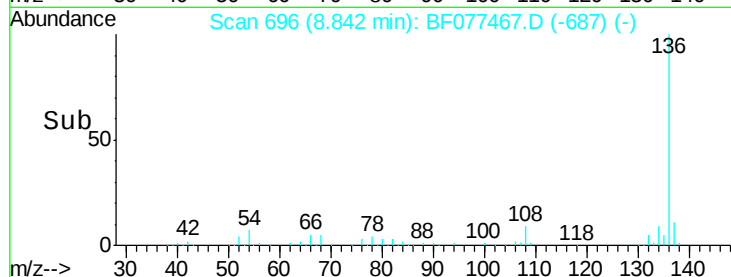
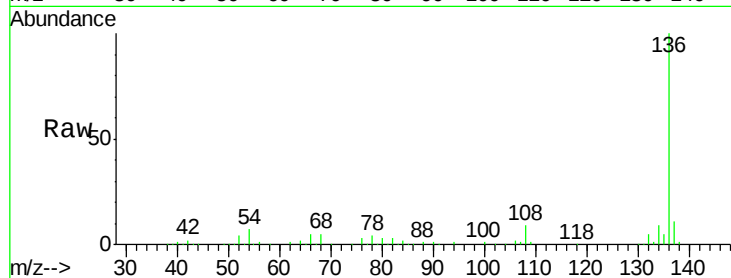




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.84 min Scan# 696  
Delta R.T. -0.00 min  
Lab File: BF077467.D  
Acq: 26 Feb 2015 16:11

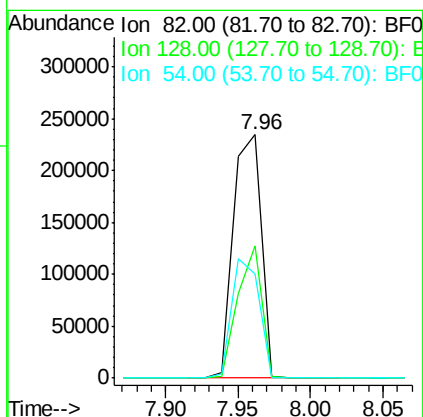
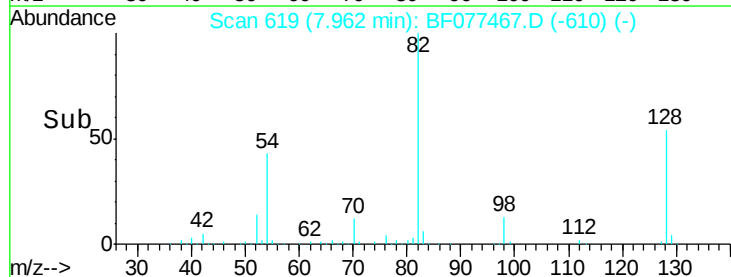
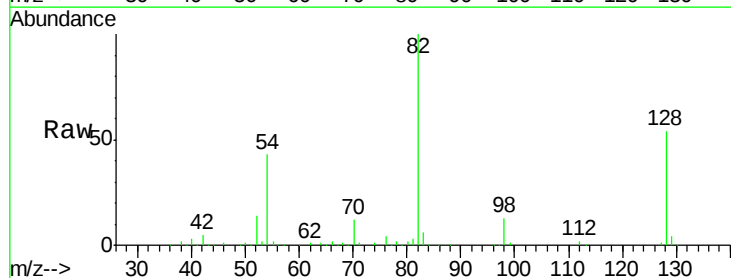
Instrument :  
BNA\_F  
ClientSampleId :  
36A-NW-022515

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 250661 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.6  | 8.6   | 13.0   |
| 54       | 6.7   | 6.2   | 9.4    |
| 68       | 5.4   | 5.0   | 7.6    |



#23  
Nitrobenzene-d5  
Concen: 77.73 ng  
RT: 7.96 min Scan# 619  
Delta R.T. 0.00 min  
Lab File: BF077467.D  
Acq: 26 Feb 2015 16:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 313333 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 54.2  | 43.8  | 65.8   |
| 54       | 42.8  | 36.7  | 55.1   |

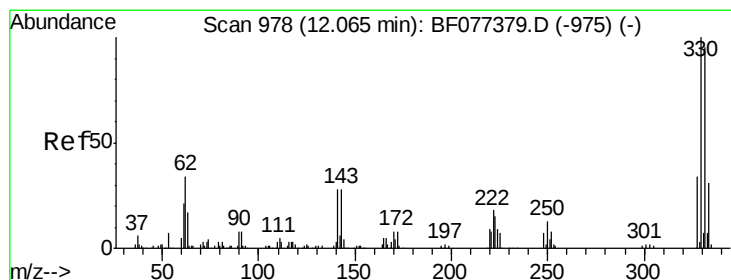
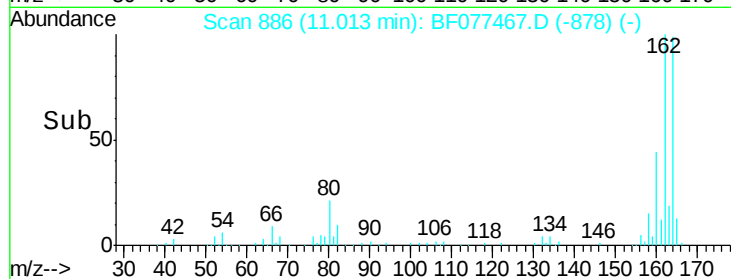
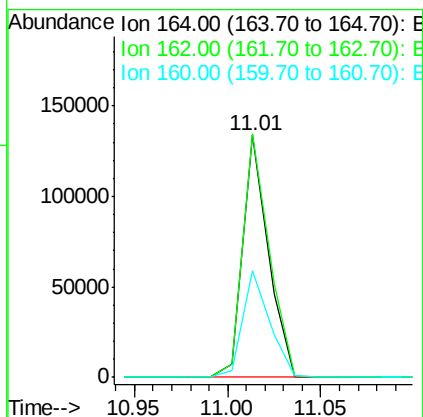
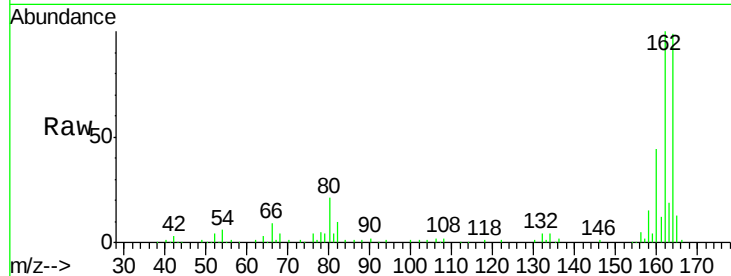




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 11.01 min Scan# 886  
 Delta R.T. -0.01 min  
 Lab File: BF077467.D  
 Acq: 26 Feb 2015 16:11

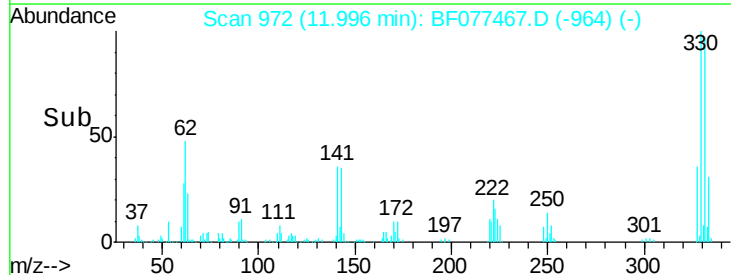
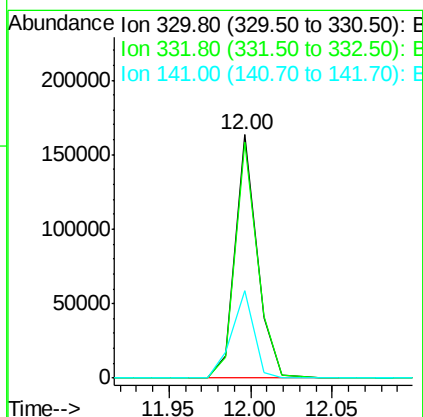
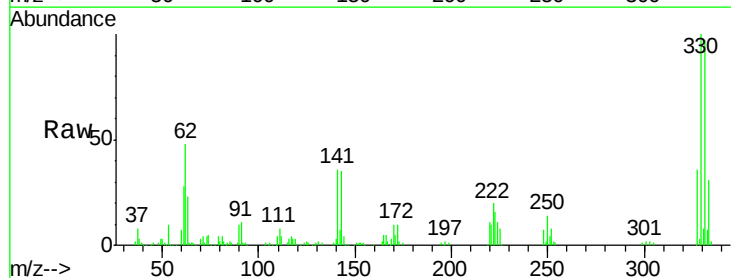
Instrument :  
 BNA\_F  
 ClientSampleId :  
 36A-NW-022515

Tgt Ion:164 Resp: 128656  
 Ion Ratio Lower Upper  
 164 100  
 162 100.7 83.2 124.8  
 160 44.0 34.6 52.0



#41  
 2,4,6-Tribromophenol  
 Concen: 123.30 ng  
 RT: 12.00 min Scan# 972  
 Delta R.T. -0.01 min  
 Lab File: BF077467.D  
 Acq: 26 Feb 2015 16:11

Tgt Ion:330 Resp: 152742  
 Ion Ratio Lower Upper  
 330 100  
 332 97.8 77.4 116.2  
 141 36.5 28.8 43.2

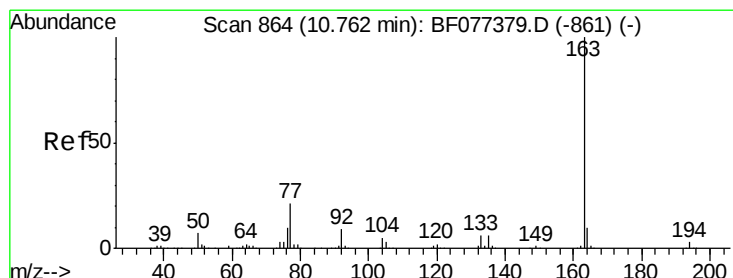
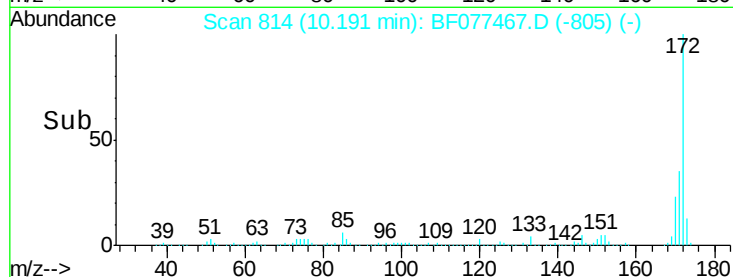
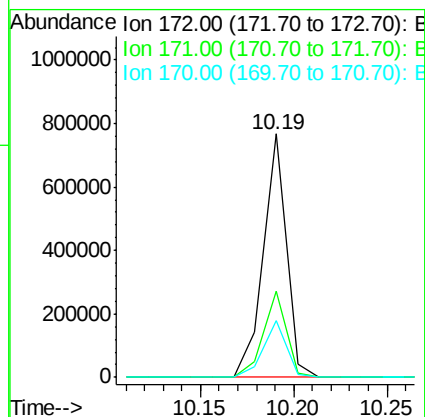
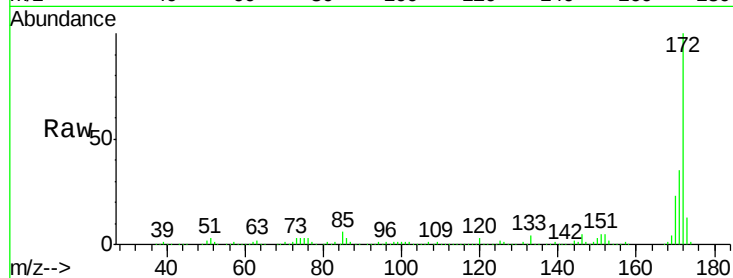




#44  
2-Fluorobiphenyl  
Concen: 79.32 ng  
RT: 10.19 min Scan# 814  
Delta R.T. 0.00 min  
Lab File: BF077467.D  
Acq: 26 Feb 2015 16:11

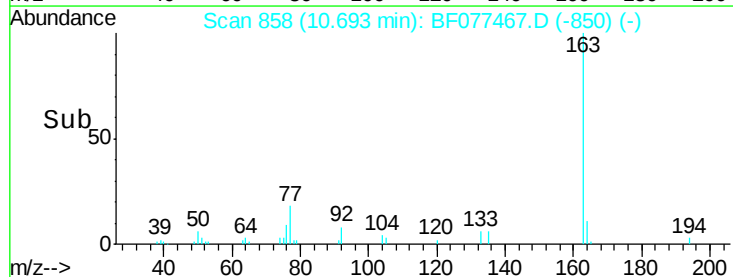
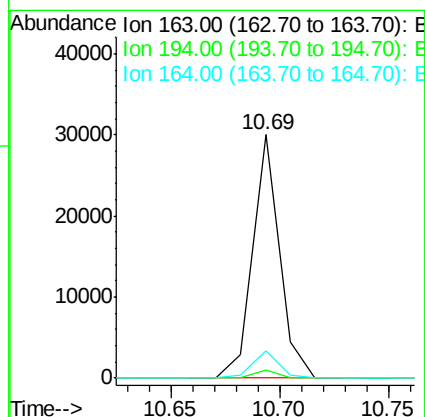
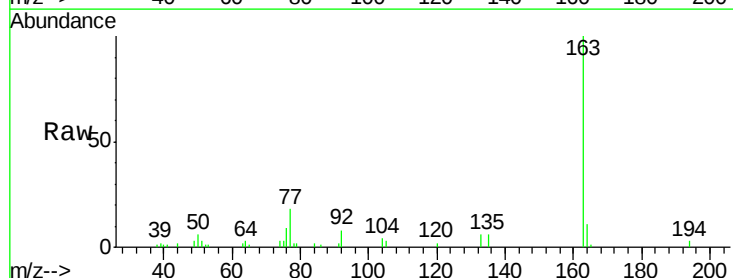
Instrument :  
BNA\_F  
ClientSampleId :  
36A-NW-022515

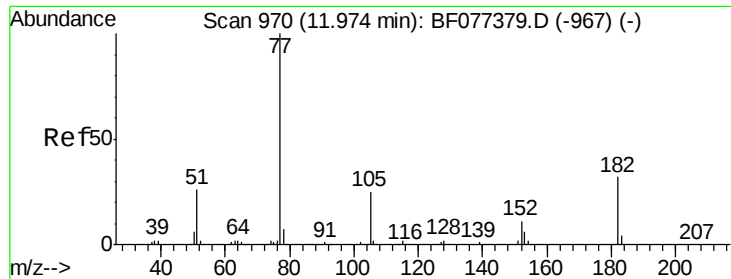
Tgt Ion:172 Resp: 654509  
Ion Ratio Lower Upper  
172 100  
171 35.4 28.9 43.3  
170 23.3 19.4 29.2



#49  
Dimethylphthalate  
Concen: 2.83 ng  
RT: 10.69 min Scan# 858  
Delta R.T. -0.01 min  
Lab File: BF077467.D  
Acq: 26 Feb 2015 16:11

Tgt Ion:163 Resp: 25622  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.6 4.0  
164 11.0 8.6 13.0





#62

Azobenzene

Concen: 2.15 ng

RT: 11.92 min Scan# 965

Delta R.T. 0.01 min

Lab File: BF077467.D

Acq: 26 Feb 2015 16:11

Instrument :

BNA\_F

ClientSampleId :

36A-NW-022515

Tgt Ion: 77 Resp: 18146

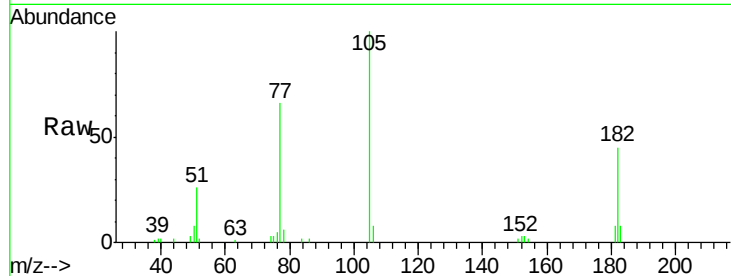
Ion Ratio Lower Upper

77 100

182 68.5 4.9 44.9#

105 151.3 3.3 43.3#

51 39.4 8.9 48.9

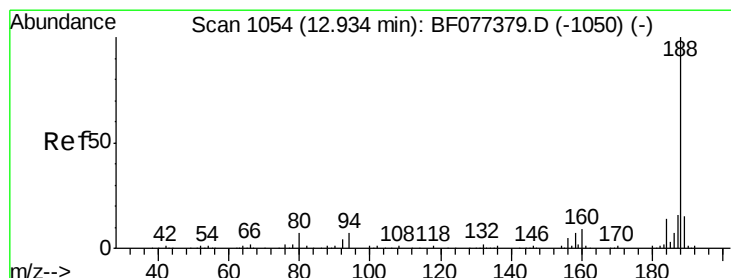
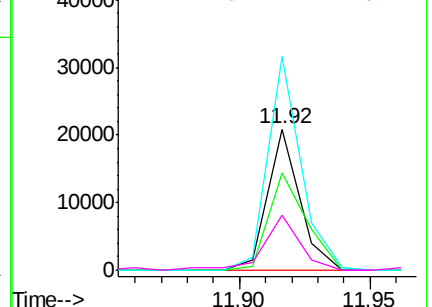
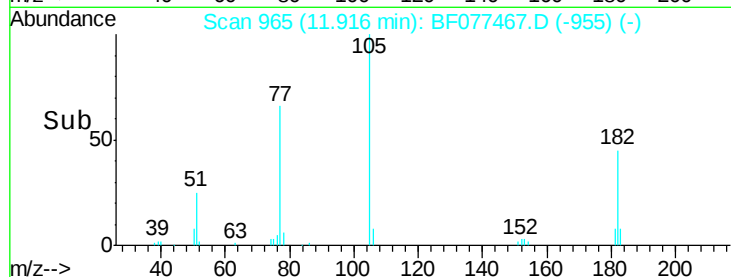


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.87 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF077467.D

Acq: 26 Feb 2015 16:11

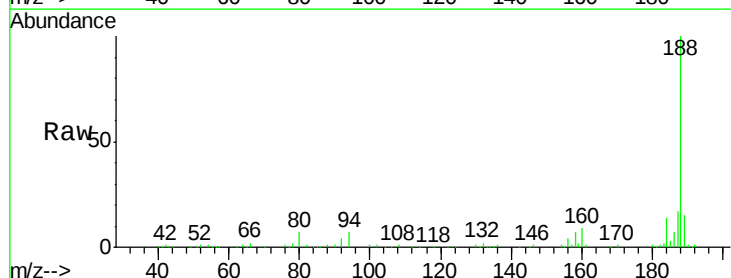
Tgt Ion: 188 Resp: 257004

Ion Ratio Lower Upper

188 100

94 6.8 7.4 11.2#

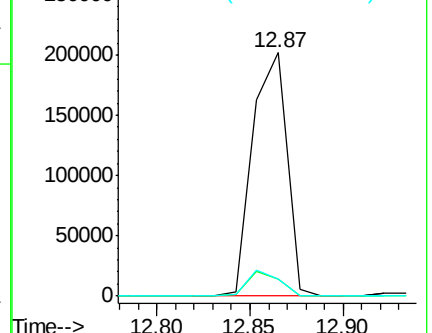
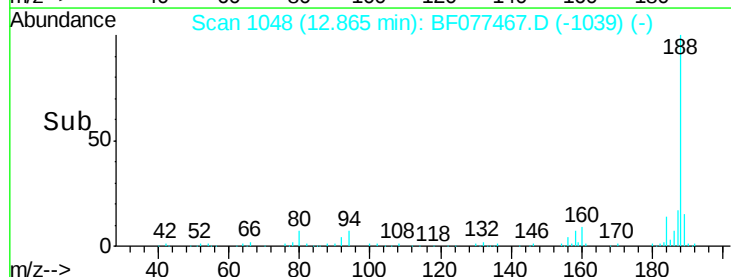
80 6.8 8.0 12.0#

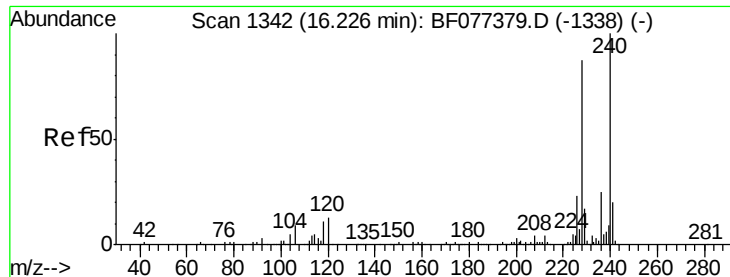


Abundance Ion 188.00 (187.70 to 188.70): E

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: 16.15 min Scan# 1335

Delta R.T. -0.03 min

Lab File: BF077467.D

Acq: 26 Feb 2015 16:11

Instrument :

BNA\_F

ClientSampleId :

36A-NW-022515

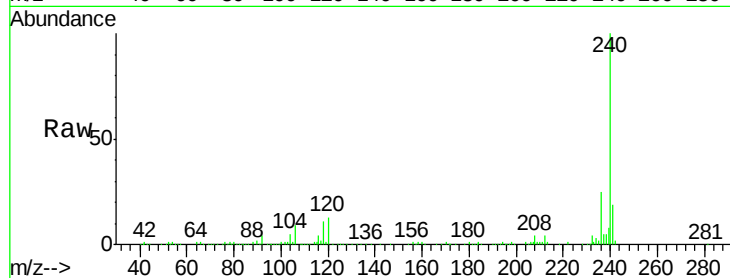
Tgt Ion:240 Resp: 292430

Ion Ratio Lower Upper

240 100

120 13.2 8.8 13.2

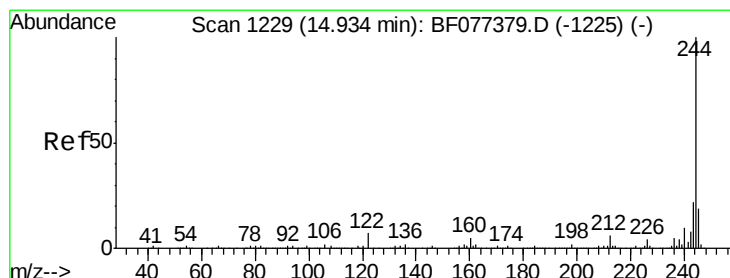
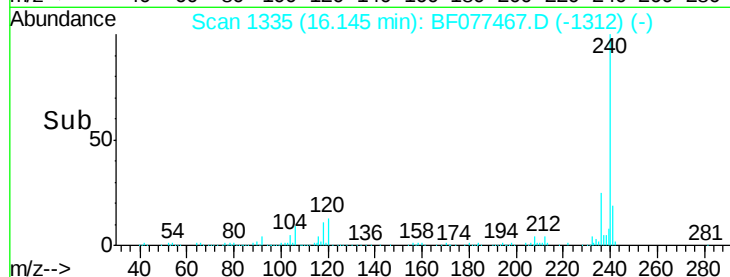
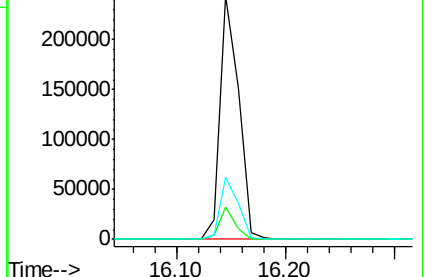
236 25.4 20.7 31.1



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: 61.78 ng

RT: 14.85 min Scan# 1222

Delta R.T. -0.01 min

Lab File: BF077467.D

Acq: 26 Feb 2015 16:11

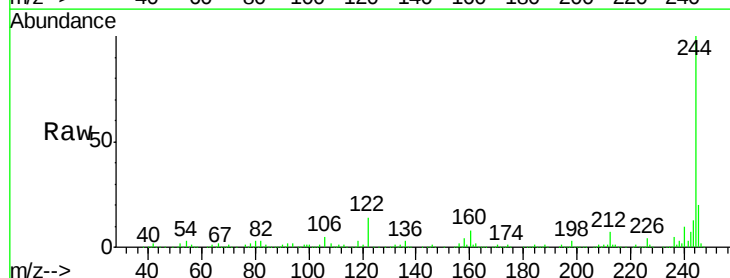
Tgt Ion:244 Resp: 772852

Ion Ratio Lower Upper

244 100

212 7.1 5.2 7.8

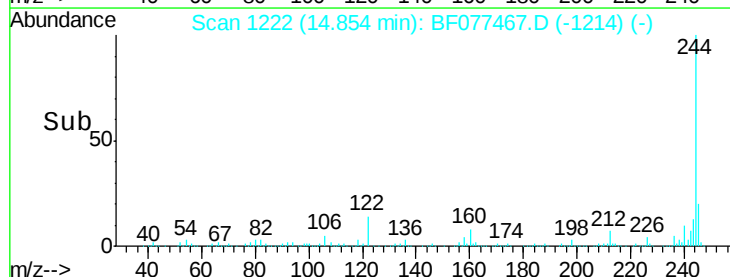
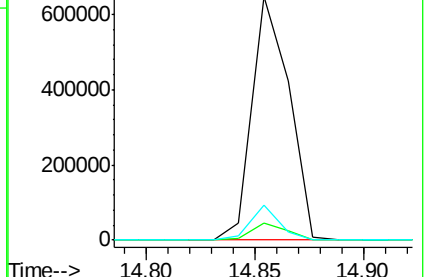
122 14.3 7.8 11.8#

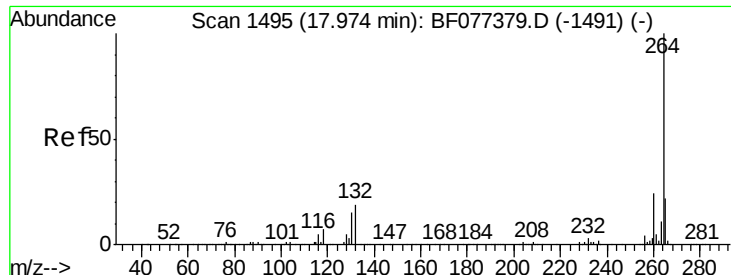


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

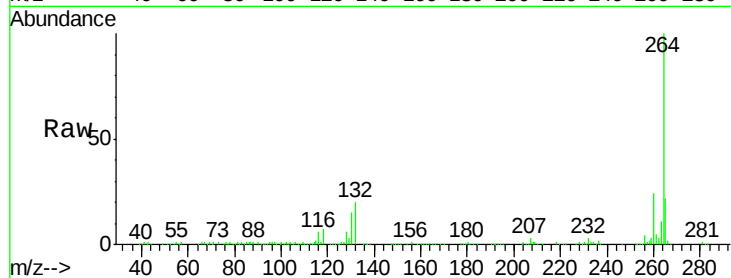




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 17.89 min Scan# 1488  
Delta R.T. -0.11 min  
Lab File: BF077467.D  
Acq: 26 Feb 2015 16:11

Instrument :  
BNA\_F  
ClientSampleId :  
36A-NW-022515

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 282061 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.2  | 19.3  | 28.9   |
| 265      | 21.8  | 16.8  | 25.2   |



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

