

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121115\  
 Data File : BF083716.D  
 Acq On : 12 Dec 2015 1:10  
 Operator : UM/IZ  
 Sample : G4739-10  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 K206-20-25

Quant Time: Dec 12 03:59:14 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 11 19:24:37 2015  
 Response via : Initial Calibration

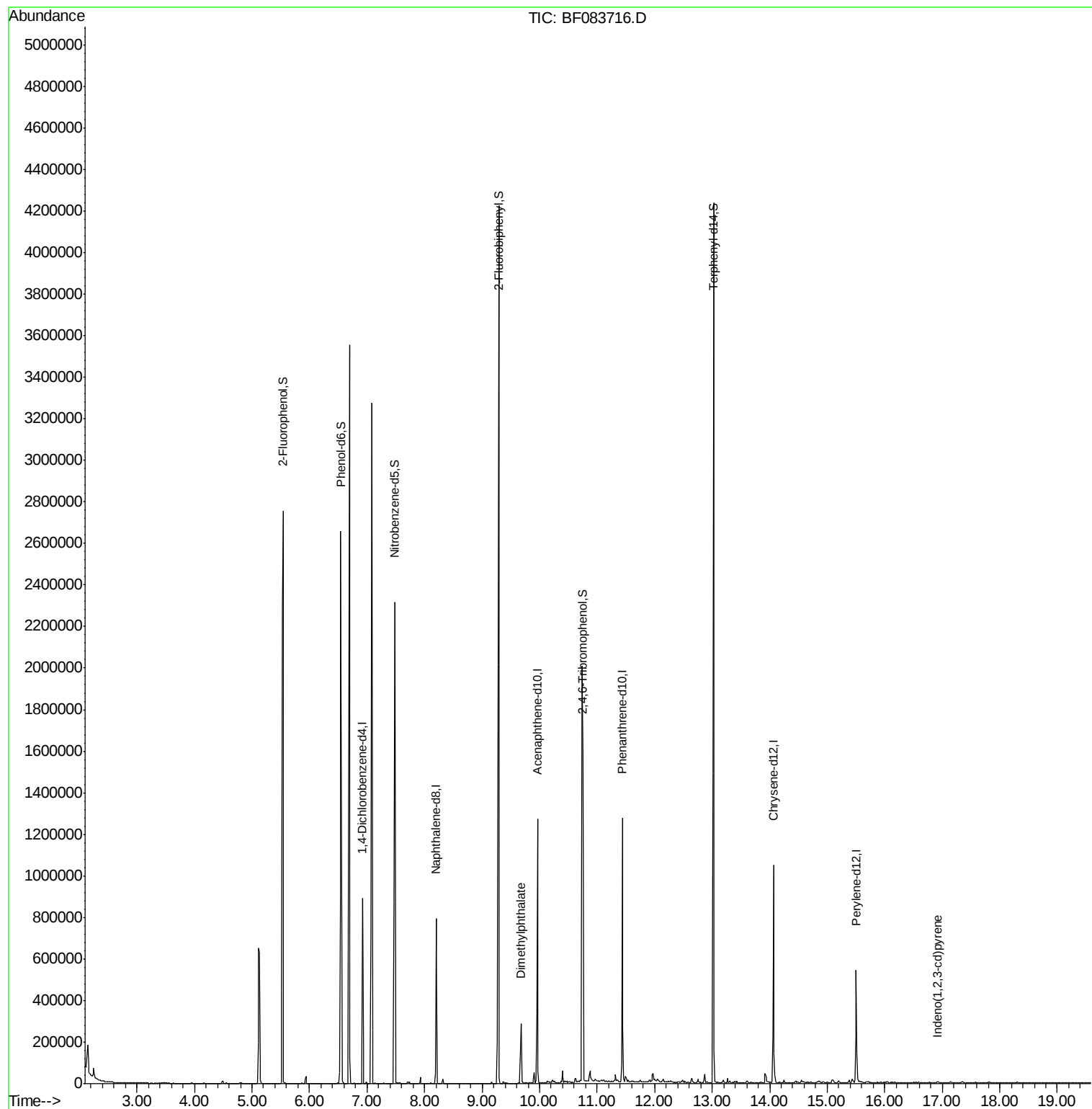
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.92  | 152  | 129283   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.20  | 136  | 504134   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.96  | 164  | 244805   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.44 | 188  | 436623   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.07 | 240  | 339262   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.51 | 264  | 241392   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.54  | 112  | 1129966  | 134.61 | ng    | 0.01     |
| 7) Phenol-d6                | 6.54  | 99   | 1287510  | 124.19 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.48  | 82   | 782555   | 105.27 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.75 | 330  | 378779   | 159.85 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.29  | 172  | 1480384  | 89.07  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.03 | 244  | 1327679  | 87.88  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 49) Dimethylphthalate       | 9.68  | 163  | 137964   | 7.32   | ng    | 98       |
| 85) Indeno(1,2,3-cd)pyrene  | 16.91 | 276  | 4098     | 4.08   | ng    | # 100    |

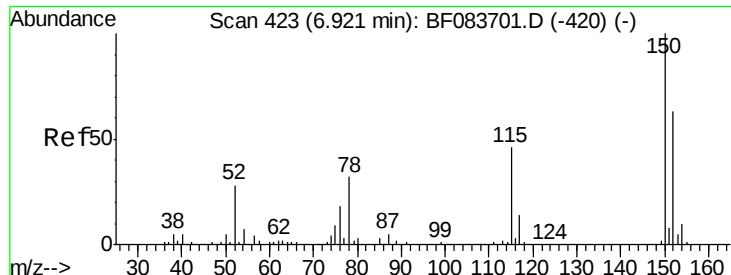
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121115\  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 11 19:24:37 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF083716.D

Acq: 12 Dec 2015 1:10

Instrument :

BNA\_F

ClientSampleId :

K206-20-25

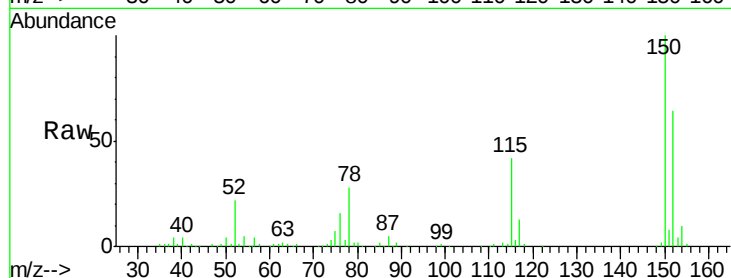
Tot Ion:152 Resp: 129283

Ion Ratio Lower Upper

152 100

150 156.1 126.5 189.7

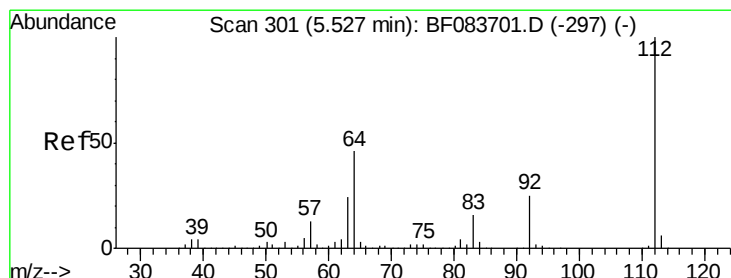
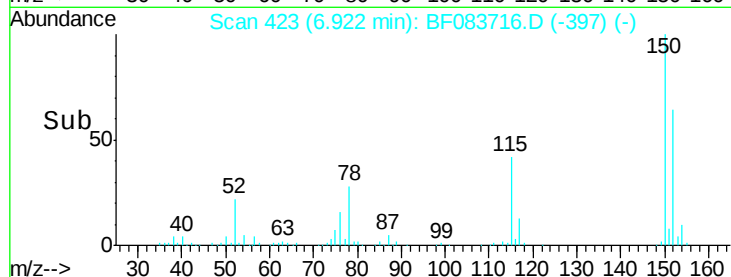
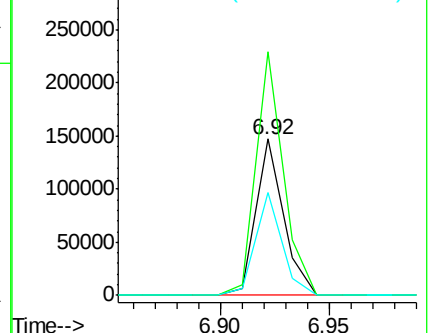
115 65.9 52.3 78.5



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: 134.61 ng

RT: 5.54 min Scan# 302

Delta R.T. 0.01 min

Lab File: BF083716.D

Acq: 12 Dec 2015 1:10

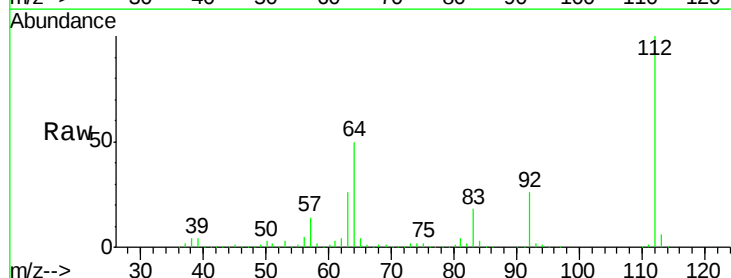
Tgt Ion:112 Resp: 1129966

Ion Ratio Lower Upper

112 100

64 50.3 50.5 75.7#

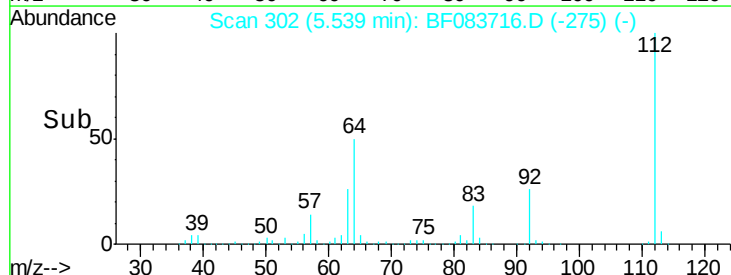
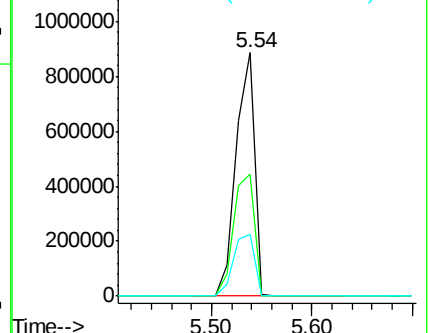
63 25.6 25.8 38.6#

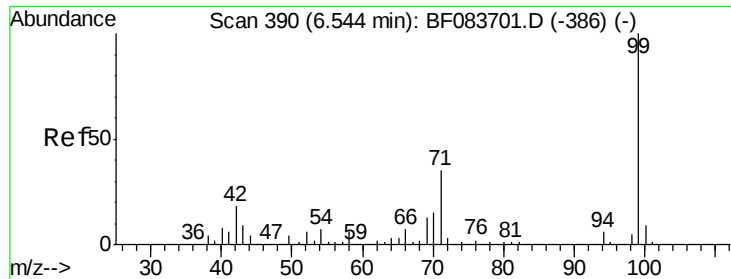


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 124.19 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF083716.D

Acq: 12 Dec 2015 1:10

Instrument :

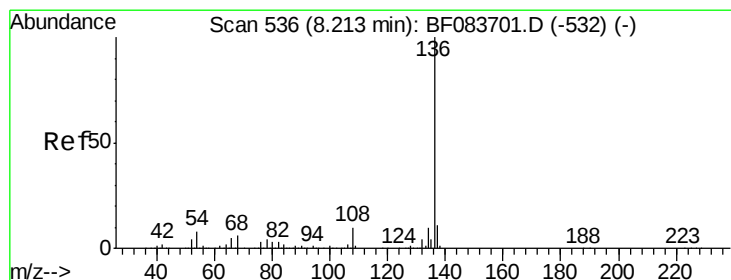
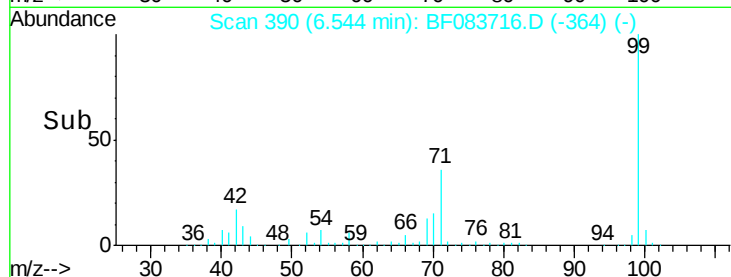
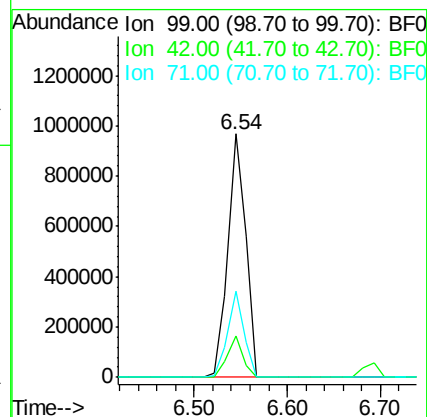
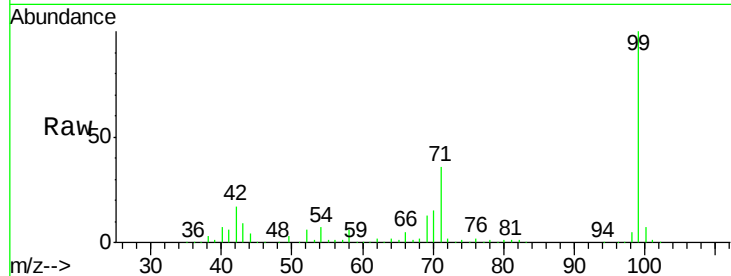
BNA\_F

ClientSampleId :

K206-20-25

Tot Ion: 99 Resp: 1287510

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.2  | 17.3  | 25.9# |
| 71  | 35.6  | 26.6  | 40.0  |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 535

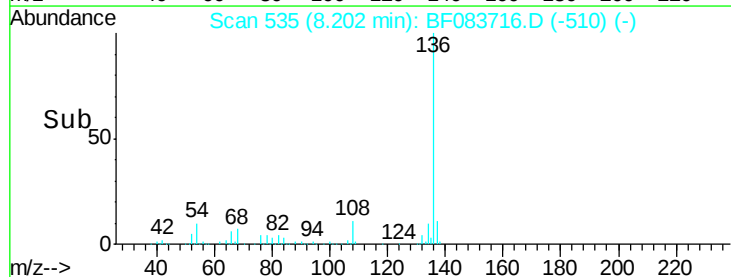
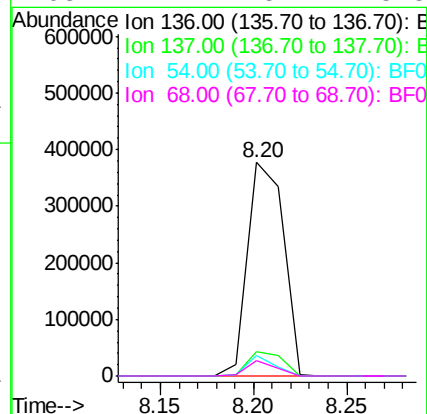
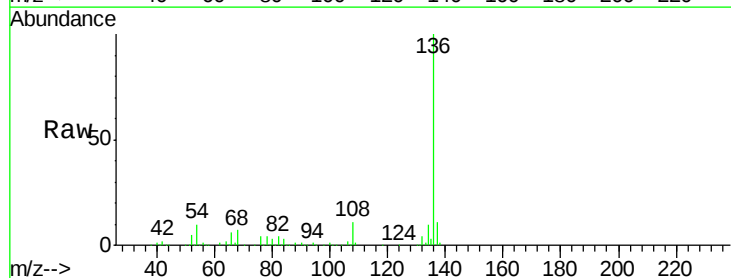
Delta R.T. -0.01 min

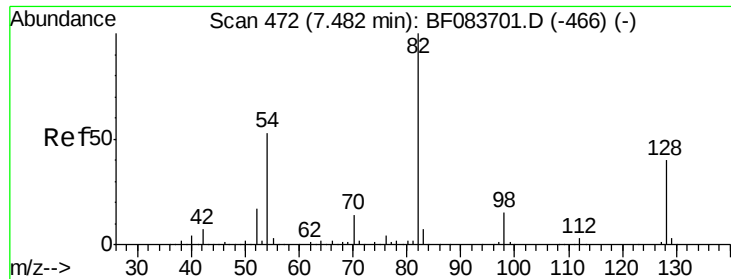
Lab File: BF083716.D

Acq: 12 Dec 2015 1:10

Tgt Ion: 136 Resp: 504134

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.3  | 8.7   | 13.1  |
| 54  | 9.7   | 7.8   | 11.6  |
| 68  | 7.4   | 5.7   | 8.5   |

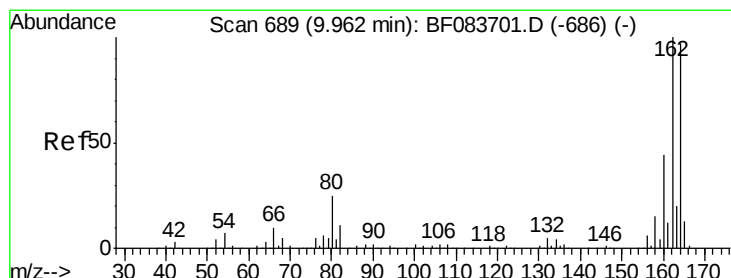
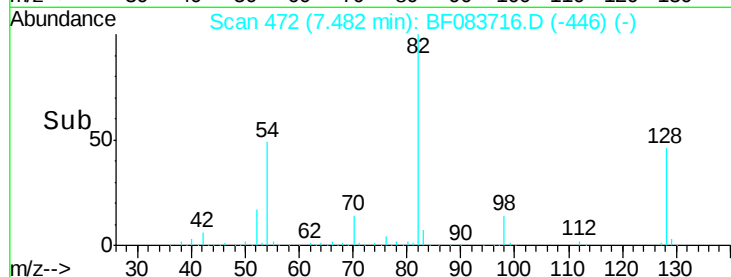
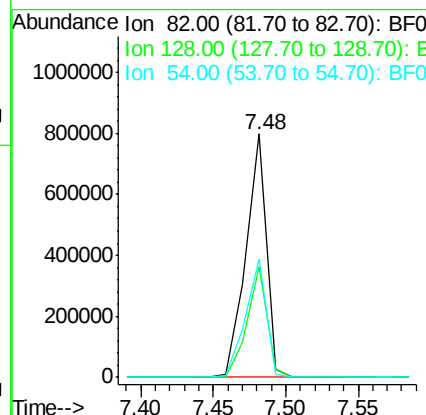
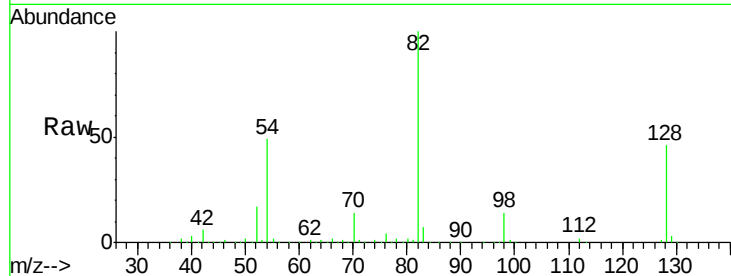




#23  
 Nitrobenzene-d5  
 Concen: 105.27 ng  
 RT: 7.48 min Scan# 472  
 Delta R.T. 0.00 min  
 Lab File: BF083716.D  
 Acq: 12 Dec 2015 1:10

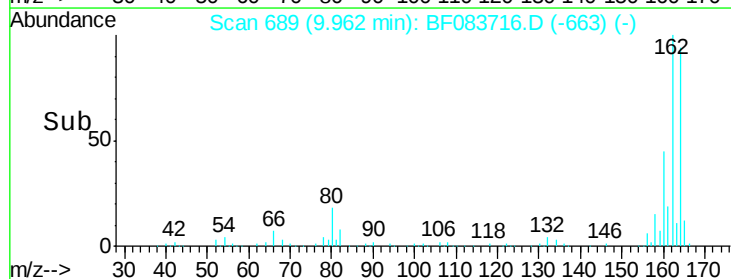
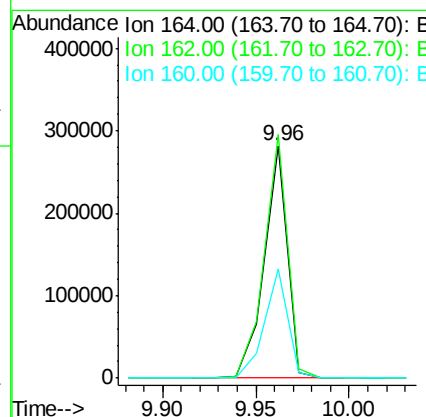
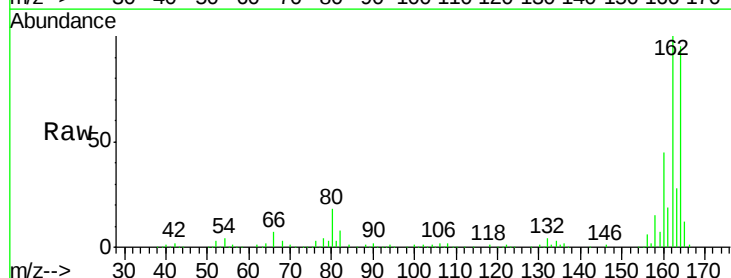
Instrument :  
 BNA\_F  
 ClientSampleId :  
 K206-20-25

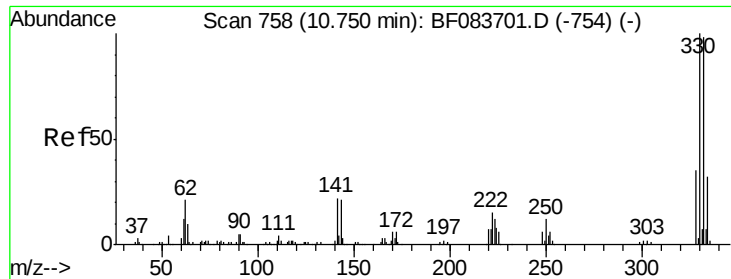
| Tot Ion   | 82   | Resp  | 782555 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 45.5 | 30.7  | 46.1   |
| 54        | 48.7 | 42.5  | 63.7   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.96 min Scan# 689  
 Delta R.T. 0.00 min  
 Lab File: BF083716.D  
 Acq: 12 Dec 2015 1:10

| Tgt Ion   | 164   | Resp  | 244805 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 104.8 | 78.8  | 118.2  |
| 160       | 47.2  | 33.4  | 50.2   |

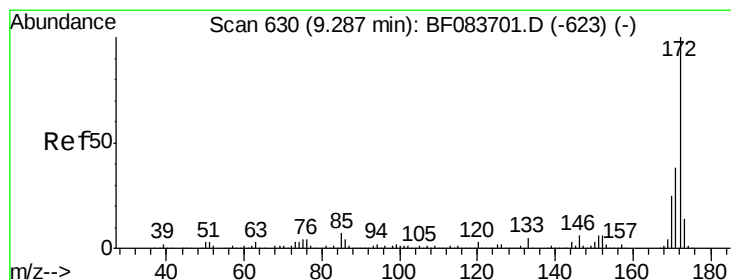
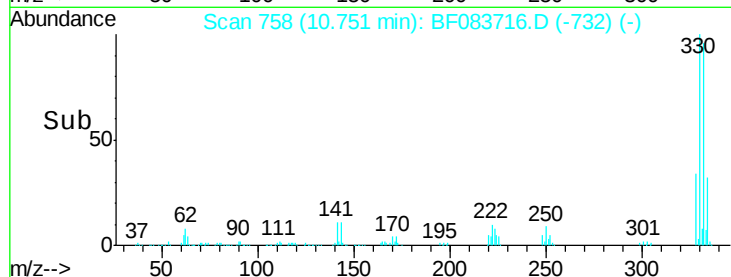
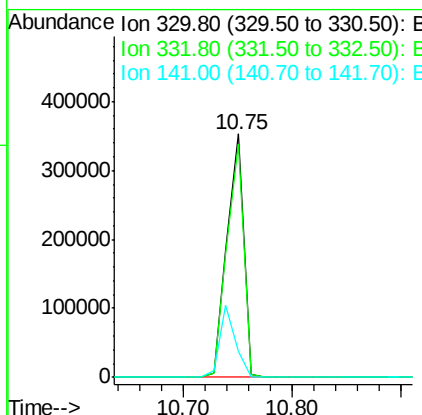
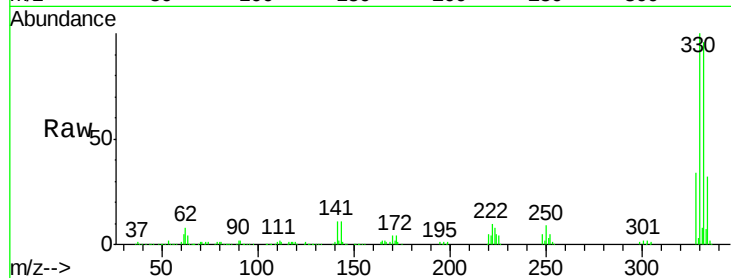




#41  
 2,4,6-Tribromophenol  
 Concen: 159.85 ng  
 RT: 10.75 min Scan# 758  
 Delta R.T. 0.00 min  
 Lab File: BF083716.D  
 Acq: 12 Dec 2015 1:10

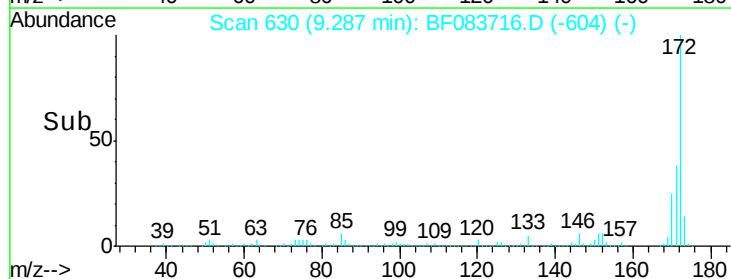
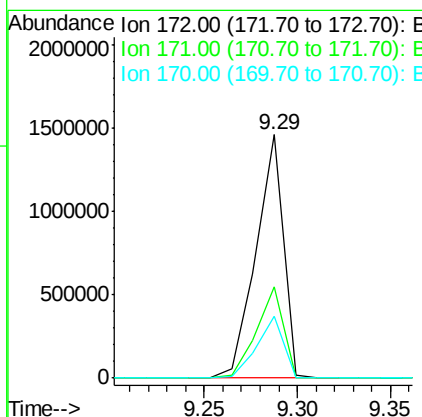
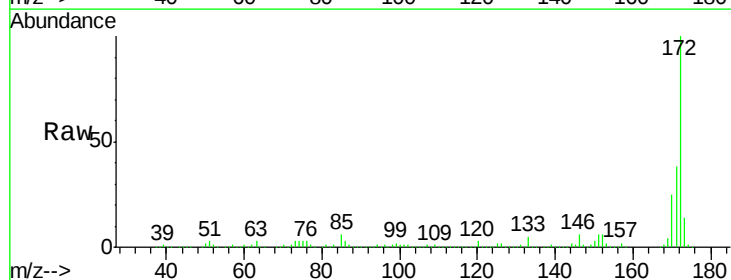
Instrument :  
 BNA\_F  
 ClientSampleId :  
 K206-20-25

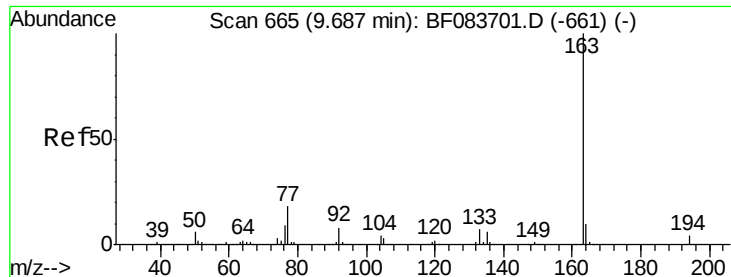
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 0.0   | 0.0#  |
| 141     | 28.1  | 0.0   | 0.0#  |



#44  
 2-Fluorobiphenyl  
 Concen: 89.07 ng  
 RT: 9.29 min Scan# 630  
 Delta R.T. 0.00 min  
 Lab File: BF083716.D  
 Acq: 12 Dec 2015 1:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.7  | 28.6  | 42.8  |
| 170     | 25.4  | 19.4  | 29.0  |





#49

Dimethylphthalate

Concen: 7.32 ng

RT: 9.68 min Scan# 664

Delta R.T. -0.01 min

Lab File: BF083716.D

Acq: 12 Dec 2015 1:10

Instrument :

BNA\_F

ClientSampleId :

K206-20-25

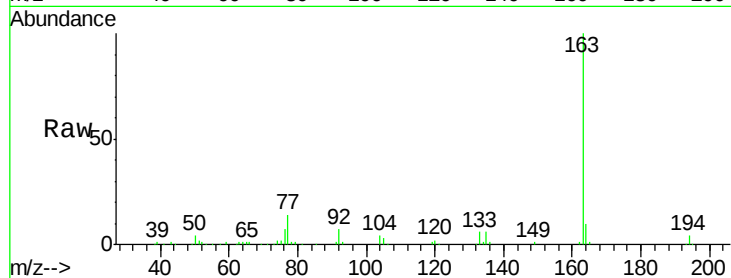
Tot Ion:163 Resp: 137964

Ion Ratio Lower Upper

163 100

194 3.9 2.8 4.2

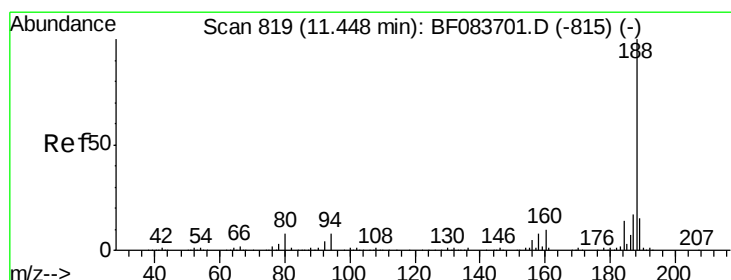
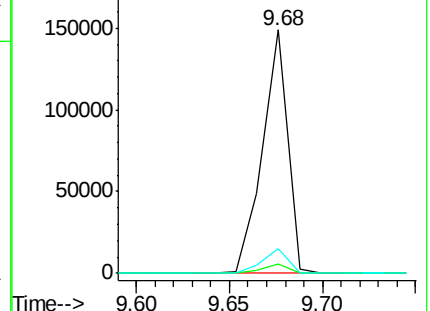
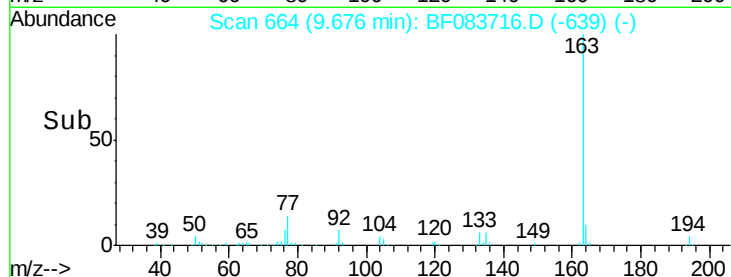
164 10.0 8.6 13.0



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: 11.44 min Scan# 818

Delta R.T. -0.01 min

Lab File: BF083716.D

Acq: 12 Dec 2015 1:10

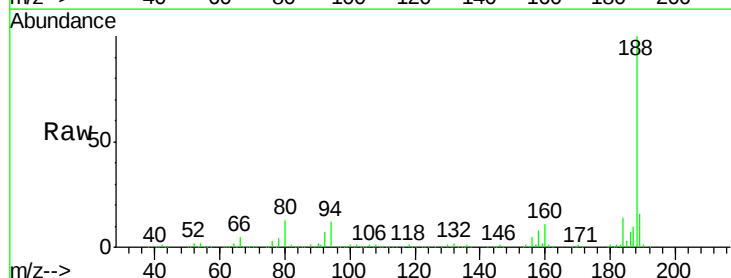
Tgt Ion:188 Resp: 436623

Ion Ratio Lower Upper

188 100

94 11.7 9.4 14.2

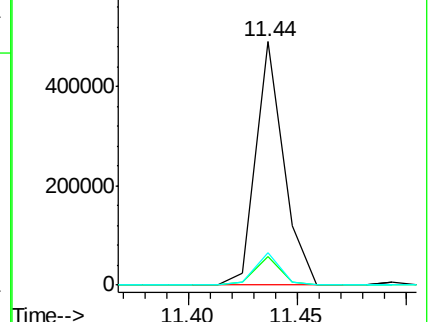
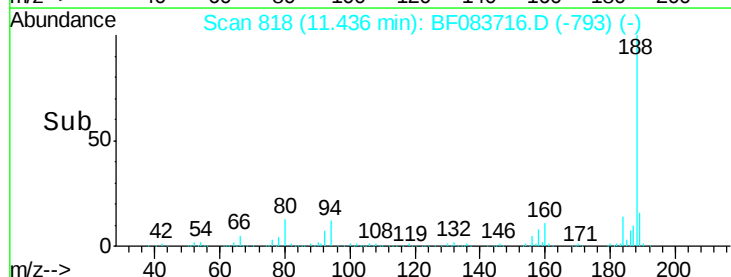
80 13.3 10.6 16.0

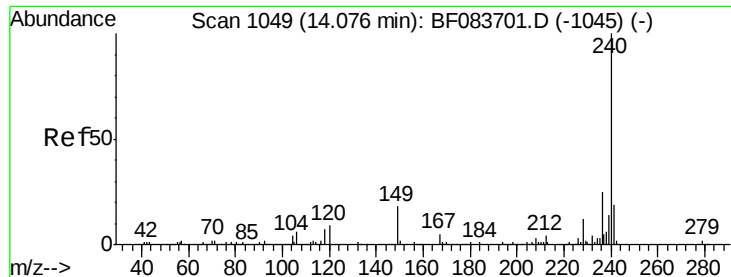


Abundance Ion 188.00 (187.70 to 188.70): E

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: 14.07 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF083716.D

Acq: 12 Dec 2015 1:10

Instrument :

BNA\_F

ClientSampleId :

K206-20-25

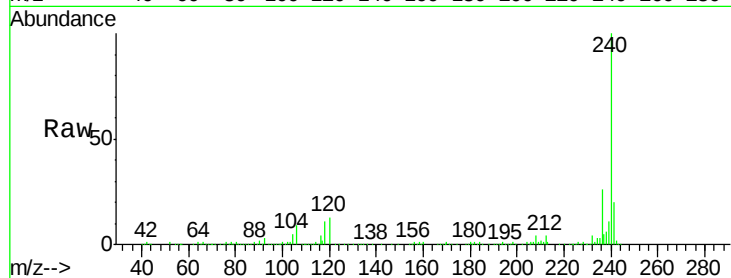
Tot Ion:240 Resp: 339262

Ion Ratio Lower Upper

240 100

120 12.7 8.1 12.1#

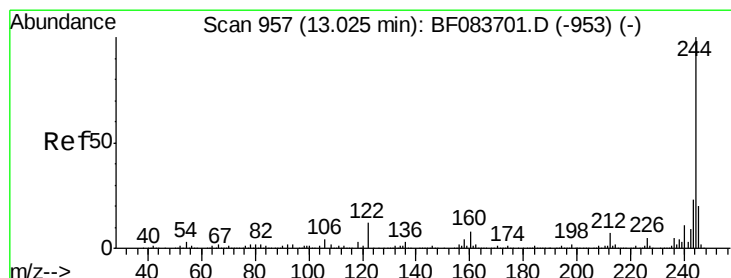
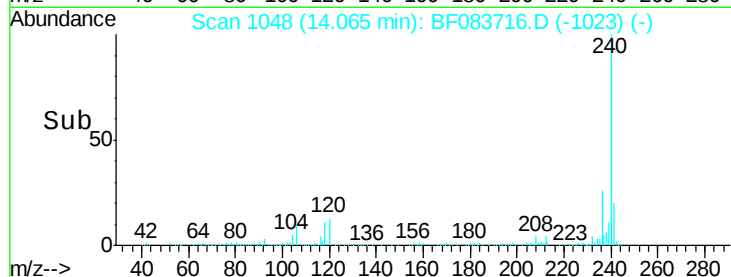
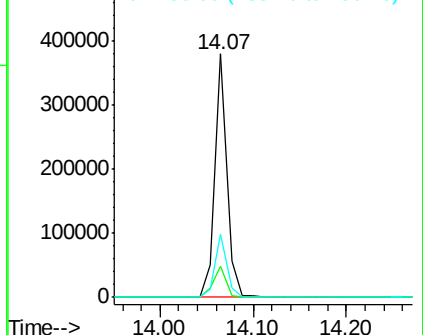
236 25.8 20.8 31.2



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: 87.88 ng

RT: 13.03 min Scan# 957

Delta R.T. 0.00 min

Lab File: BF083716.D

Acq: 12 Dec 2015 1:10

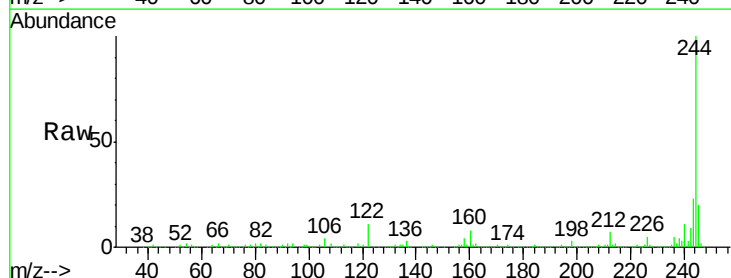
Tgt Ion:244 Resp: 1327679

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

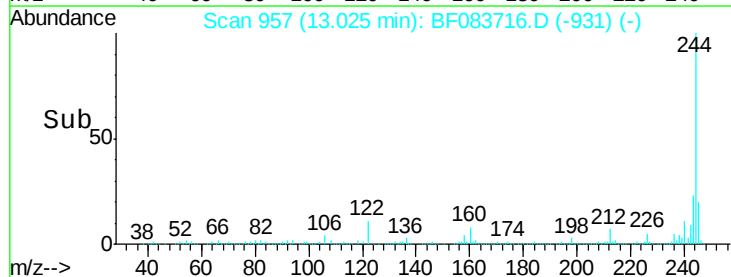
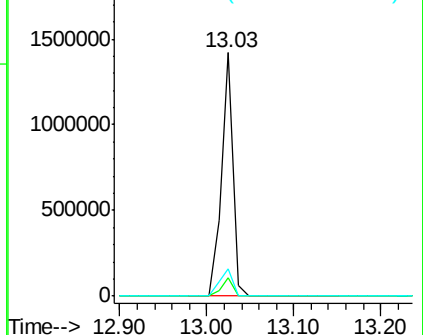
122 11.2 11.0 16.6

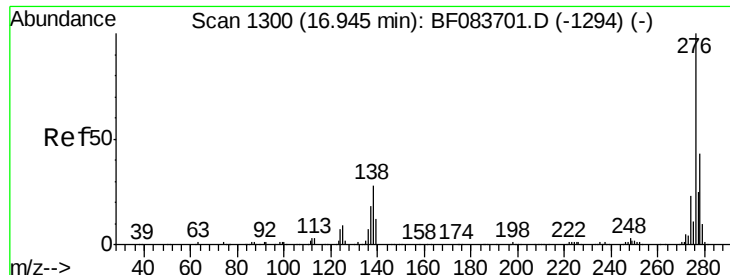


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

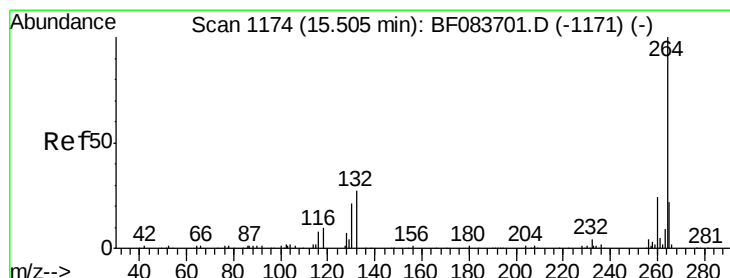
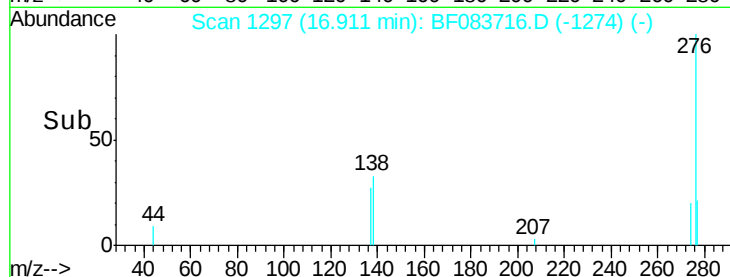
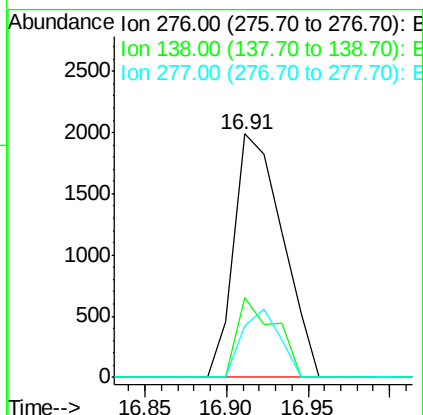
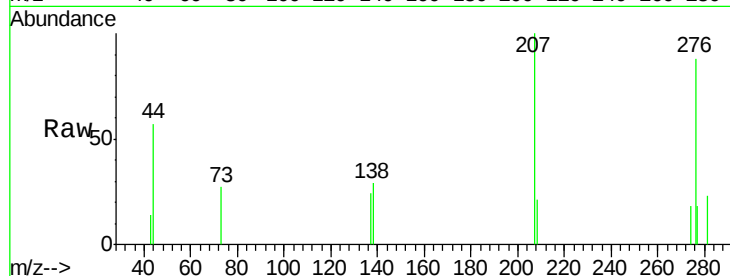




#85  
Indeno(1,2,3-cd)pyrene  
Concen: 4.08 ng  
RT: 16.91 min Scan# 1297  
Delta R.T. -0.03 min  
Lab File: BF083716.D  
Acq: 12 Dec 2015 1:10

Instrument :  
BNA\_F  
ClientSampleId :  
K206-20-25

Tot Ion:276 Resp: 4098  
Ion Ratio Lower Upper  
276 100  
138 25.6 0.0 0.0#  
277 21.5 0.0 0.0#



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.51 min Scan# 1174  
Delta R.T. 0.00 min  
Lab File: BF083716.D  
Acq: 12 Dec 2015 1:10

Tgt Ion:264 Resp: 241392  
Ion Ratio Lower Upper  
264 100  
260 23.6 19.4 29.0  
265 21.2 17.8 26.6

