

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110915\  
 Data File : BF082837.D  
 Acq On : 9 Nov 2015 18:56  
 Operator : UM/IZ  
 Sample : G4306-18  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-1

Quant Time: Nov 10 02:52:41 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Nov 07 02:32:49 2015  
 Response via : Initial Calibration

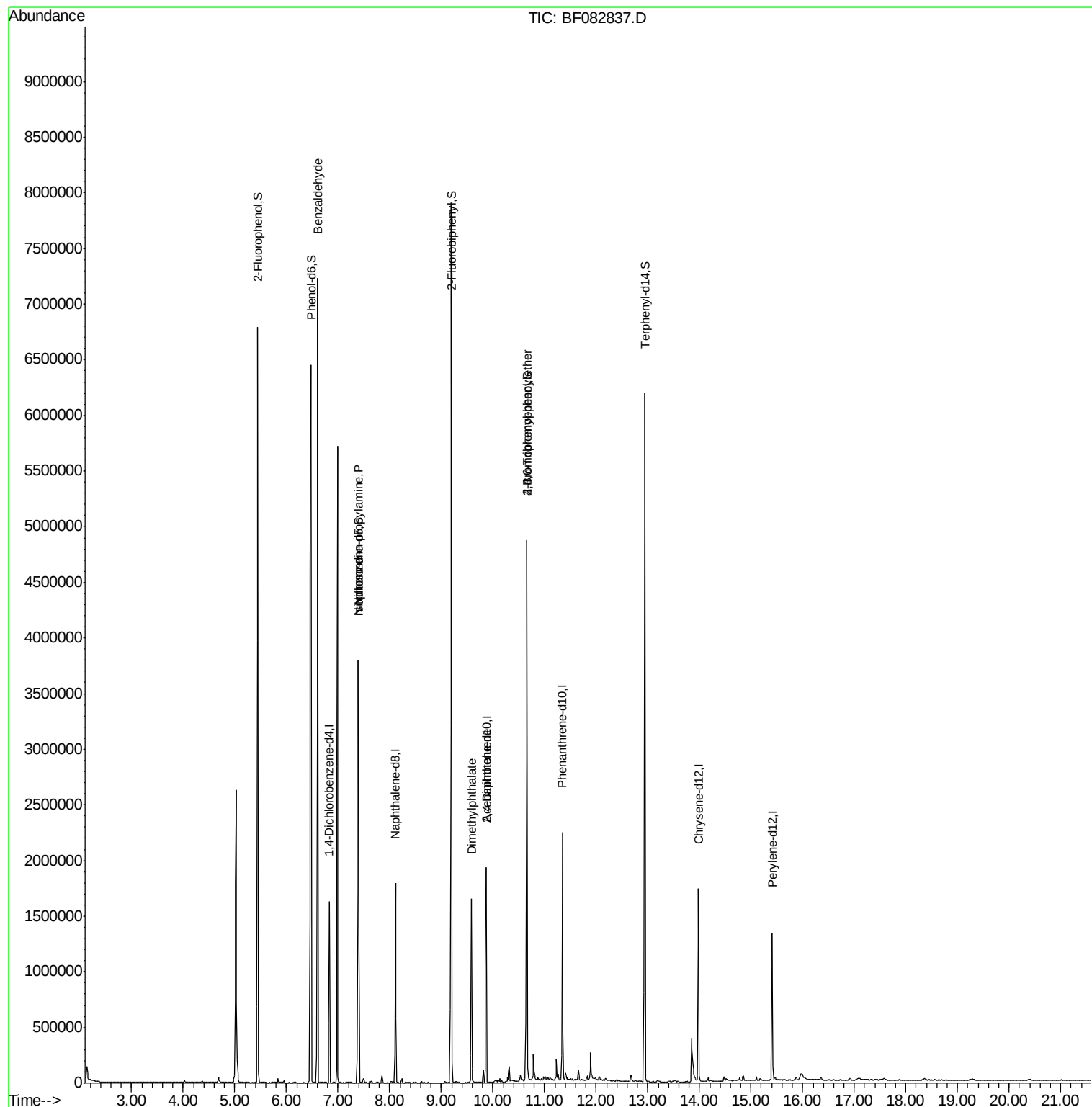
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.83  | 152  | 246761   | 20.00  | ng    | -0.02     |
| 21) Naphthalene-d8             | 8.11  | 136  | 849381   | 20.00  | ng    | -0.03     |
| 38) Acenaphthene-d10           | 9.87  | 164  | 454307   | 20.00  | ng    | -0.02     |
| 63) Phenanthrene-d10           | 11.34 | 188  | 787670   | 20.00  | ng    | -0.03     |
| 75) Chrysene-d12               | 13.99 | 240  | 795499   | 20.00  | ng    | -0.03     |
| 86) Perylene-d12               | 15.41 | 264  | 692251   | 20.00  | ng    | -0.05     |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.45  | 112  | 2066892  | 130.33 | ng    | 0.00      |
| 7) Phenol-d6                   | 6.48  | 99   | 2947462  | 139.80 | ng    | 0.00      |
| 23) Nitrobenzene-d5            | 7.39  | 82   | 1695900  | 86.88  | ng    | -0.02     |
| 41) 2,4,6-Tribromophenol       | 10.66 | 330  | 666729   | 127.99 | ng    | -0.02     |
| 44) 2-Fluorobiphenyl           | 9.20  | 172  | 2548185  | 80.39  | ng    | -0.02     |
| 78) Terphenyl-d14              | 12.95 | 244  | 2697166  | 80.42  | ng    | -0.02     |
| Target Compounds               |       |      |          |        |       |           |
| 9) Benzaldehyde                | 6.60  | 77   | 55546    | 4.77   | ng    | Qvalue 88 |
| 19) n-Nitroso-di-n-propylamine | 7.39  | 70   | 229374   | 14.80  | ng    | # 69      |
| 25) Isophorone                 | 7.39  | 82   | 1646803  | 45.59  | ng    | # 69      |
| 49) Dimethylphthalate          | 9.58  | 163  | 603576   | 16.22  | ng    | 99        |
| 56) 2,4-Dinitrotoluene         | 9.87  | 165  | 60101    | 5.58   | ng    | # 16      |
| 66) 4-Bromophenyl-phenylether  | 10.66 | 248  | 48006    | 5.06   | ng    | # 1       |

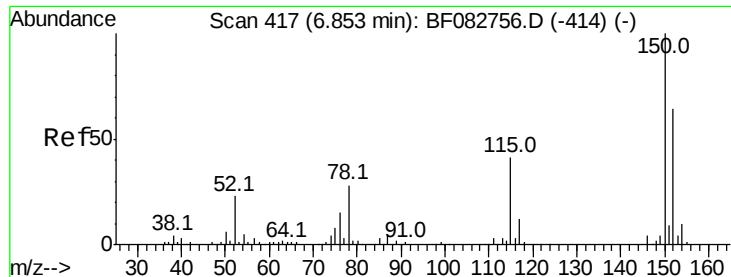
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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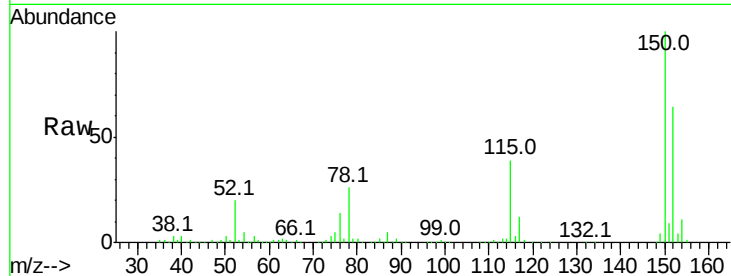


#1

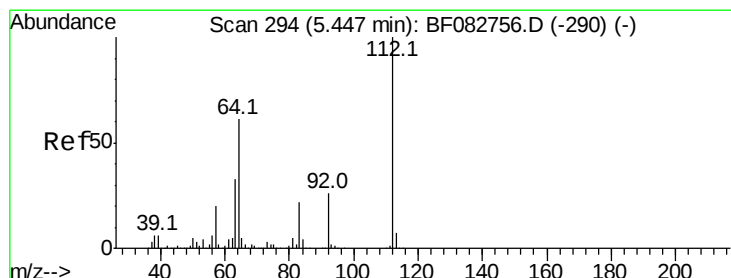
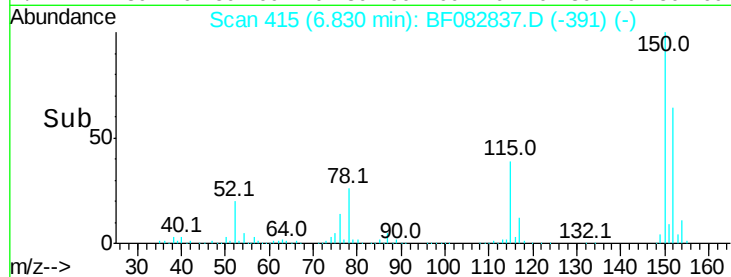
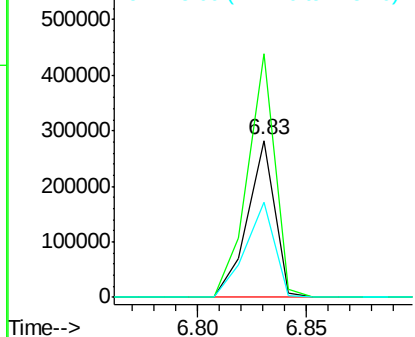
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.83 min Scan# 415  
Delta R.T. -0.02 min  
Lab File: BF082837.D  
Acq: 9 Nov 2015 18:56

Instrument :  
BNA\_F  
ClientSampleId :  
E2-1

Tot Ion:152 Resp: 246761  
Ion Ratio Lower Upper  
152 100  
150 155.1 127.0 190.4  
115 60.6 47.0 70.6



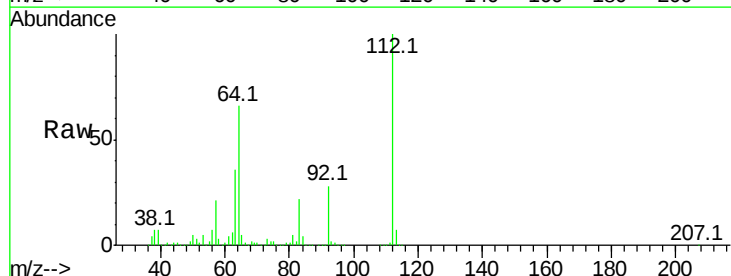
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



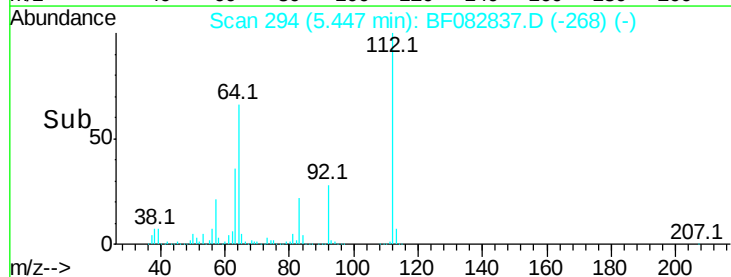
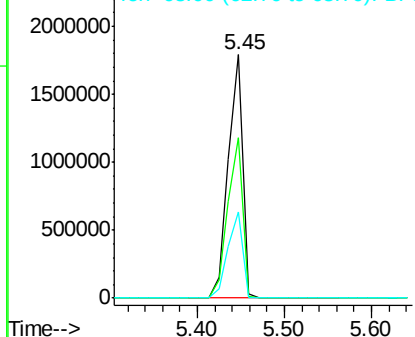
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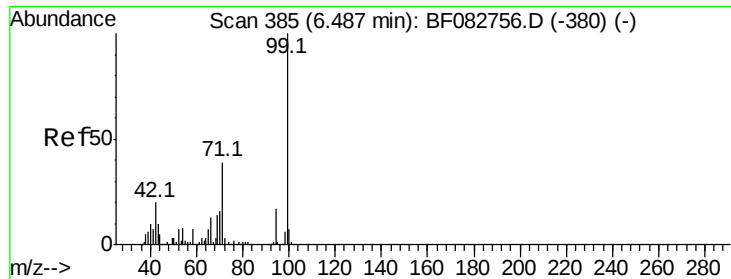
2-Fluorophenol  
Concen: 130.33 ng  
RT: 5.45 min Scan# 294  
Delta R.T. 0.00 min  
Lab File: BF082837.D  
Acq: 9 Nov 2015 18:56

Tgt Ion:112 Resp: 2066892  
Ion Ratio Lower Upper  
112 100  
64 65.7 48.9 73.3  
63 35.5 28.1 42.1



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: 139.80 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.00 min

Lab File: BF082837.D

Acq: 9 Nov 2015 18:56

Instrument :

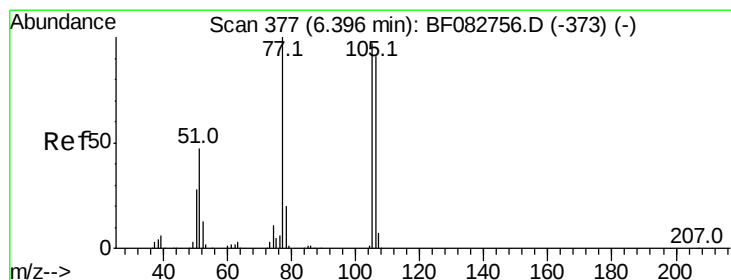
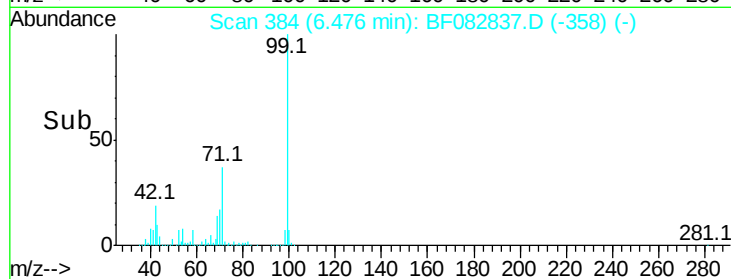
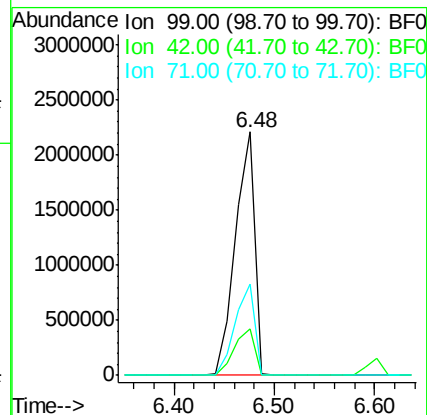
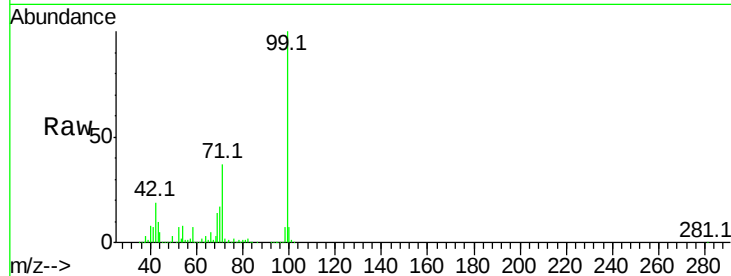
BNA\_F

ClientSampleId :

E2-1

Tot Ion: 99 Resp: 2947462

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.0  | 19.2  | 28.8# |
| 71  | 37.3  | 35.0  | 52.4  |



#9

Benzaldehyde

Concen: 4.77 ng

RT: 6.60 min Scan# 395

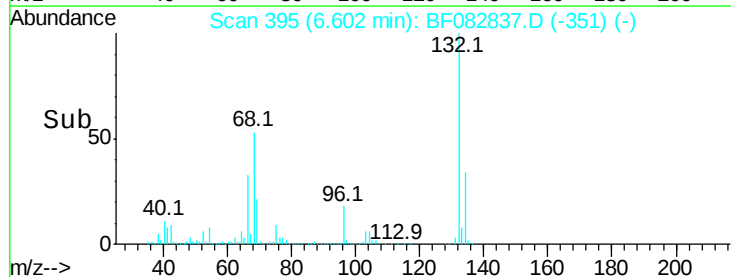
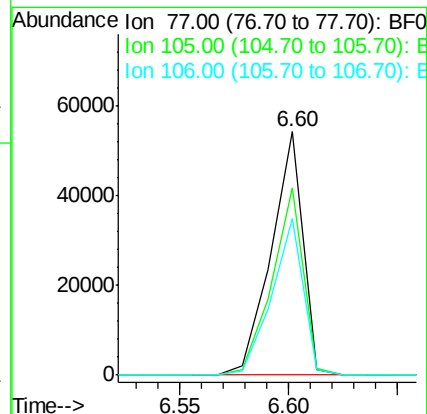
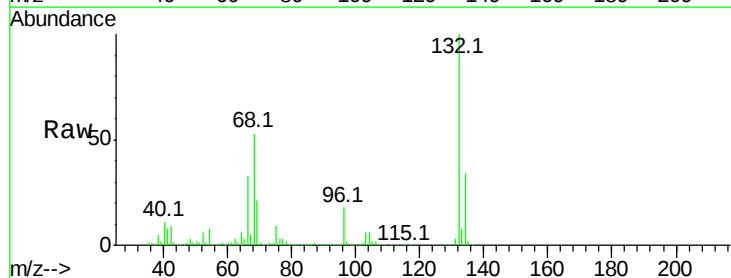
Delta R.T. 0.21 min

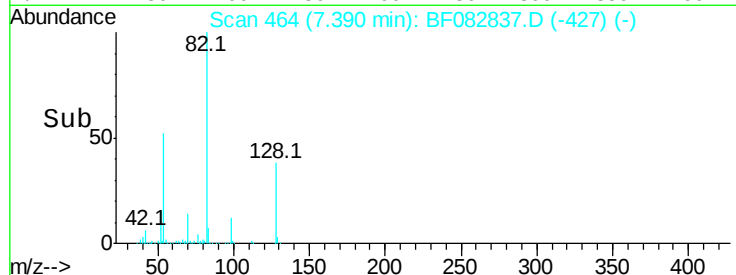
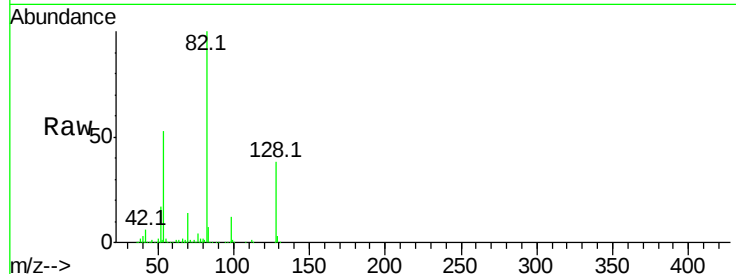
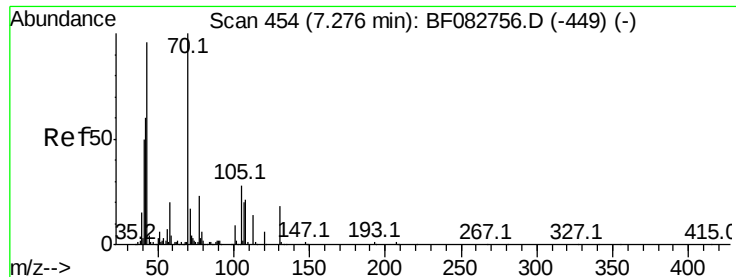
Lab File: BF082837.D

Acq: 9 Nov 2015 18:56

Tgt Ion: 77 Resp: 55546

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 105 | 76.7  | 63.5  | 103.5 |
| 106 | 64.3  | 59.3  | 99.3  |

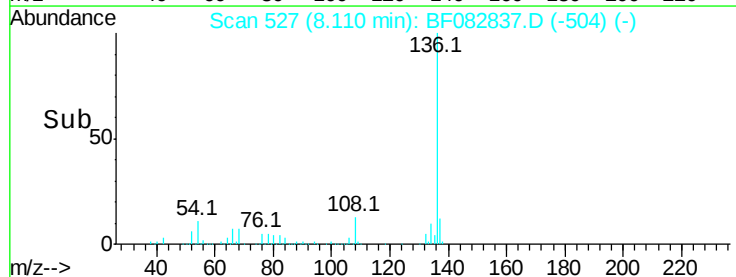
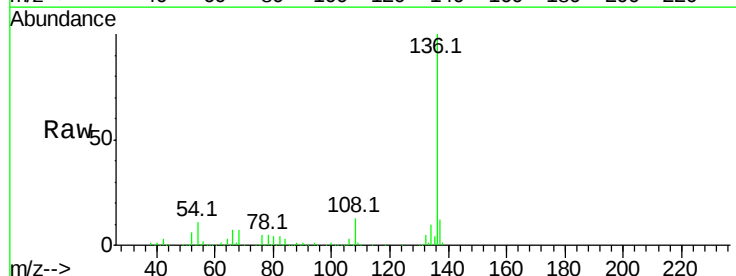
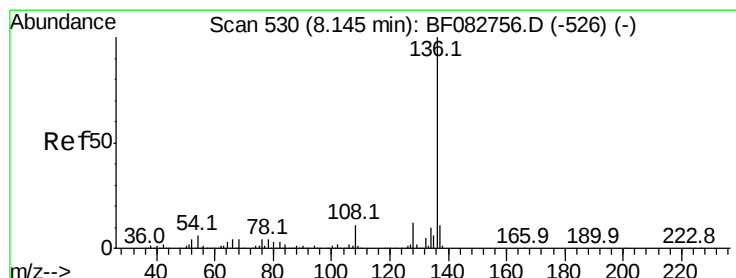
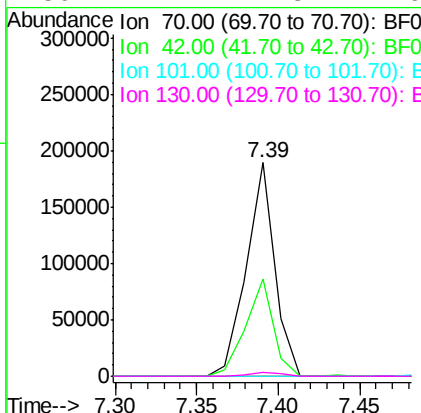




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.80 ng  
RT: 7.39 min Scan# 464  
Delta R.T. 0.13 min  
Lab File: BF082837.D  
Acq: 9 Nov 2015 18:56

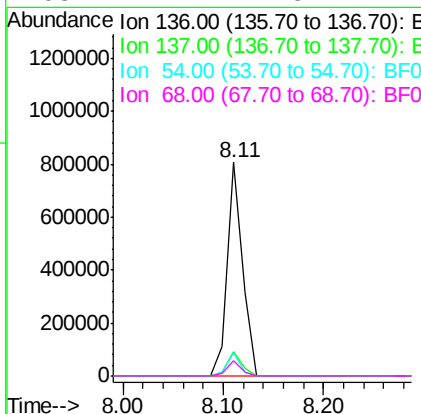
Instrument :  
BNA\_F  
ClientSampleId :  
E2-1

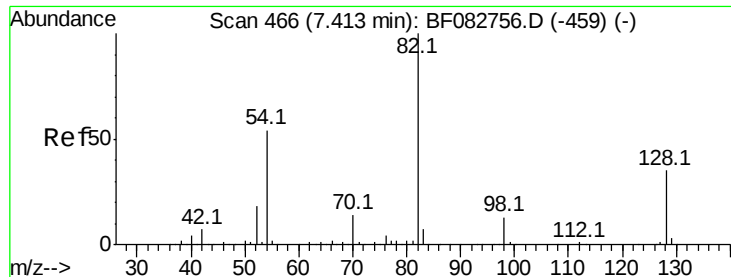
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 229374 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 45.3  | 57.7  | 86.5#  |
| 101      | 0.0   | 7.0   | 10.6#  |
| 130      | 1.7   | 11.8  | 17.6#  |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.11 min Scan# 527  
Delta R.T. -0.03 min  
Lab File: BF082837.D  
Acq: 9 Nov 2015 18:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 849381 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.7  | 9.1   | 13.7   |
| 54       | 10.8  | 9.1   | 13.7   |
| 68       | 7.1   | 4.8   | 7.2    |



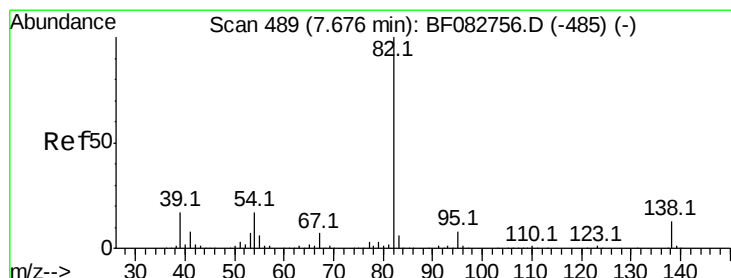
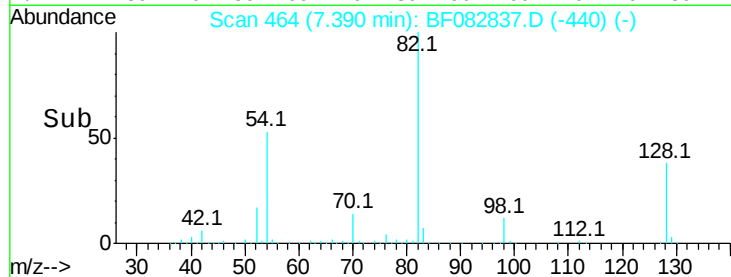
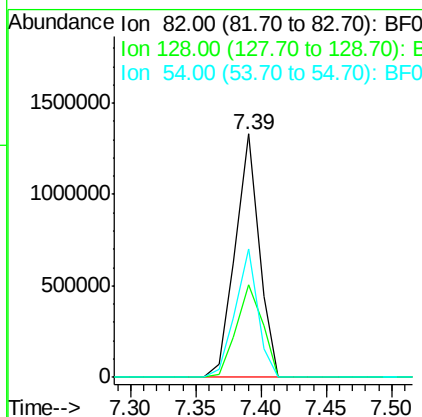
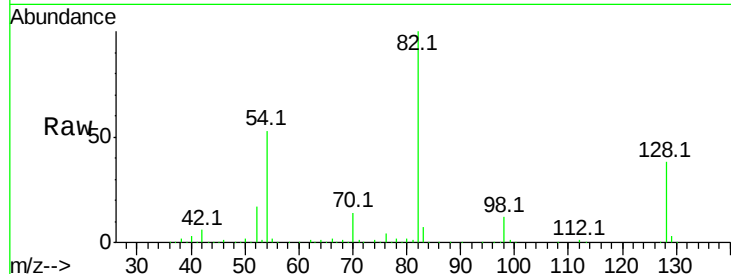


#23  
 Nitrobenzene-d5  
 Concen: 86.88 ng  
 RT: 7.39 min Scan# 464  
 Delta R.T. -0.02 min  
 Lab File: BF082837.D  
 Acq: 9 Nov 2015 18:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-1

Tot Ion: 82 Resp: 1695900  

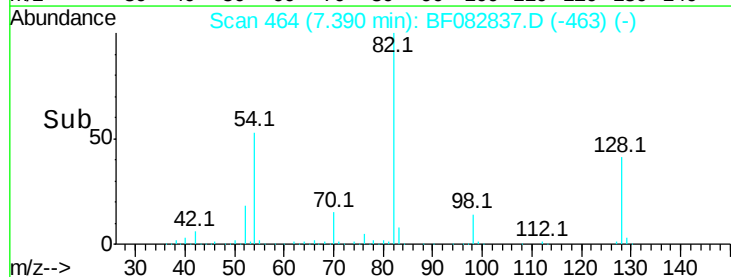
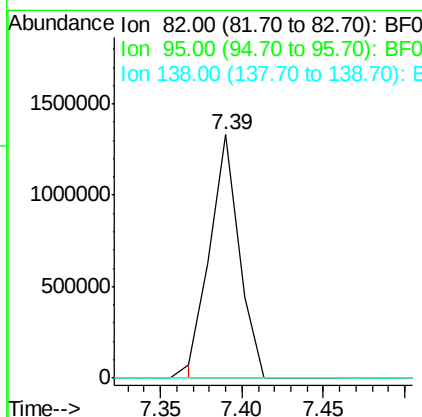
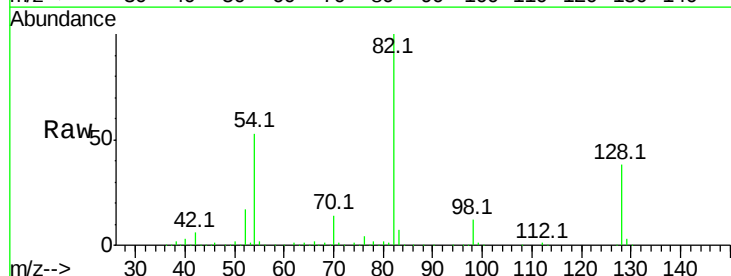
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 37.9  | 26.8  | 40.2  |
| 54  | 52.6  | 45.7  | 68.5  |

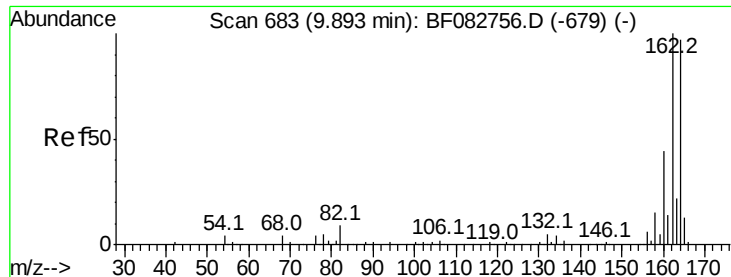


#25  
 Isophorone  
 Concen: 45.59 ng  
 RT: 7.39 min Scan# 464  
 Delta R.T. -0.29 min  
 Lab File: BF082837.D  
 Acq: 9 Nov 2015 18:56

Tgt Ion: 82 Resp: 1646803  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 95  | 0.0   | 6.6   | 9.8#  |
| 138 | 0.0   | 11.4  | 17.0# |

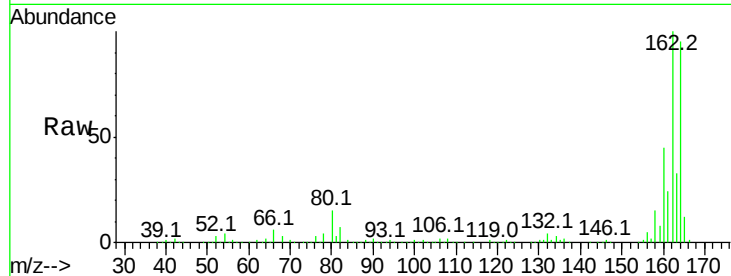




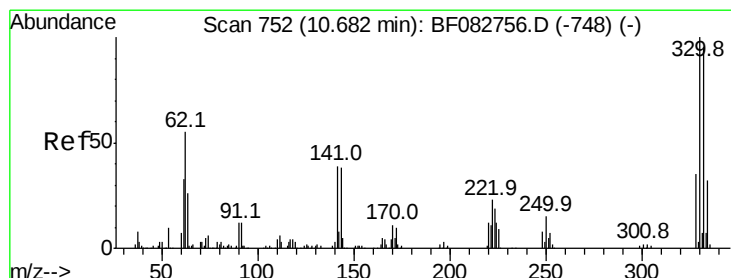
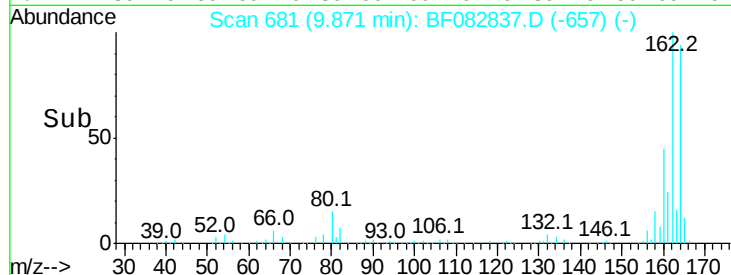
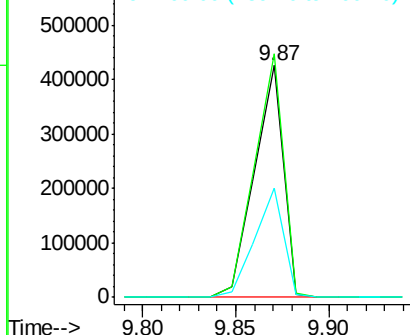
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.87 min Scan# 681  
Delta R.T. -0.02 min  
Lab File: BF082837.D  
Acq: 9 Nov 2015 18:56

Instrument :  
BNA\_F  
ClientSampleId :  
E2-1

Tot Ion:164 Resp: 454307  
Ion Ratio Lower Upper  
164 100  
162 105.0 84.9 127.3  
160 46.9 37.5 56.3

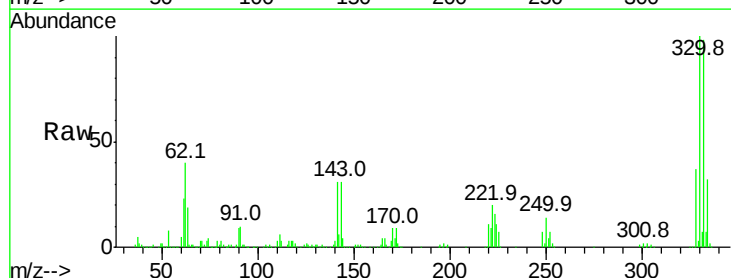


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

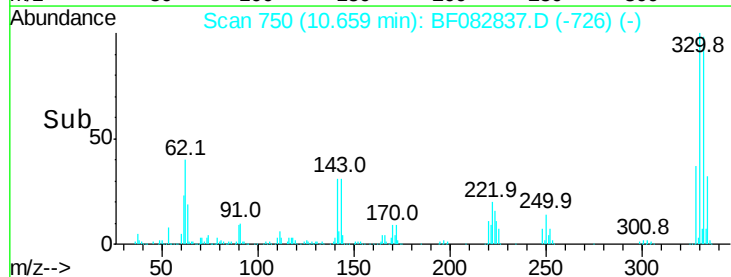
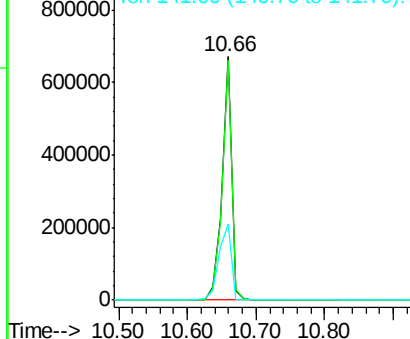


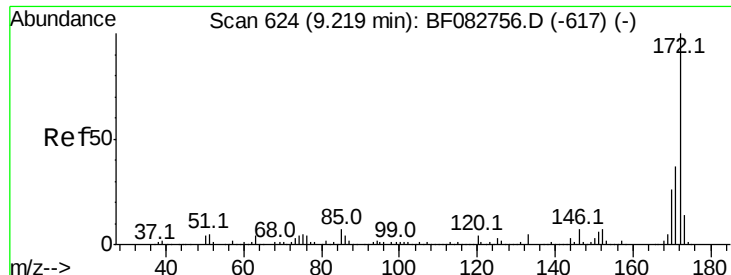
#41  
2,4,6-Tribromophenol  
Concen: 127.99 ng  
RT: 10.66 min Scan# 750  
Delta R.T. -0.02 min  
Lab File: BF082837.D  
Acq: 9 Nov 2015 18:56

Tgt Ion:330 Resp: 666729  
Ion Ratio Lower Upper  
330 100  
332 97.8 76.6 114.8  
141 40.2 41.2 61.8#



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

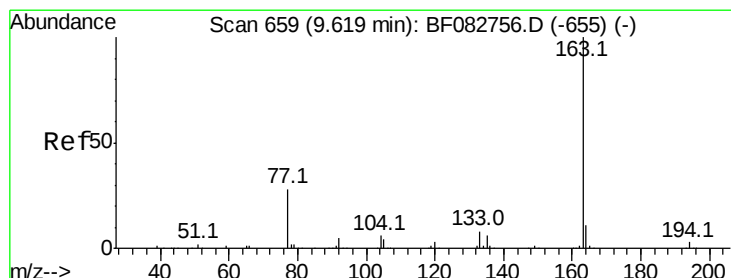
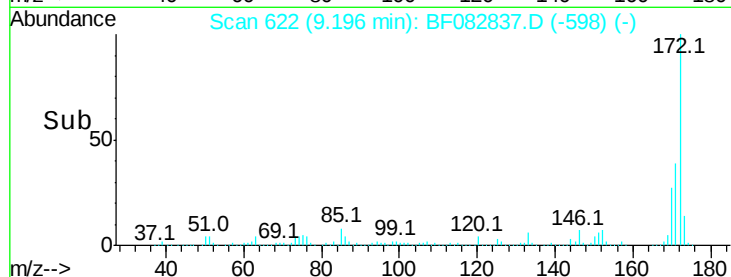
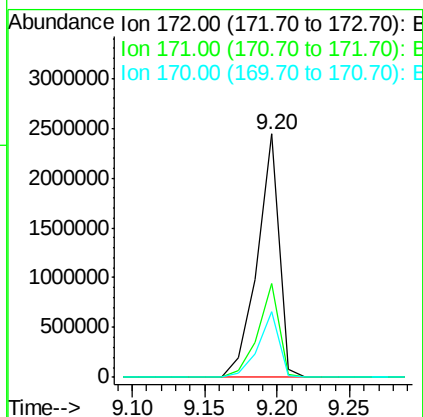
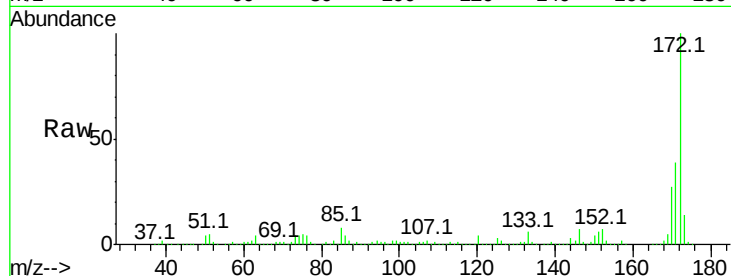




#44  
2-Fluorobiphenyl  
Concen: 80.39 ng  
RT: 9.20 min Scan# 622  
Delta R.T. -0.02 min  
Lab File: BF082837.D  
Acq: 9 Nov 2015 18:56

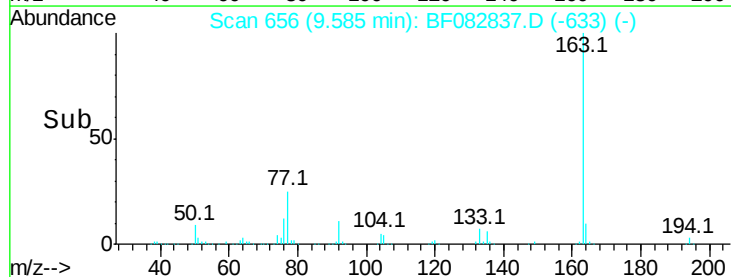
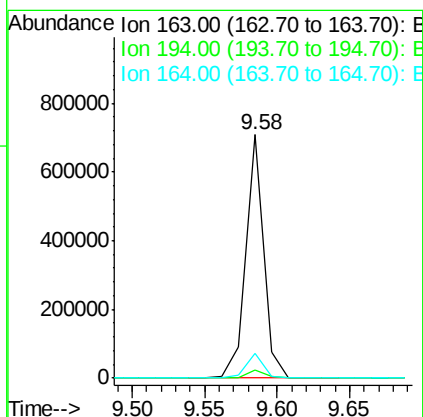
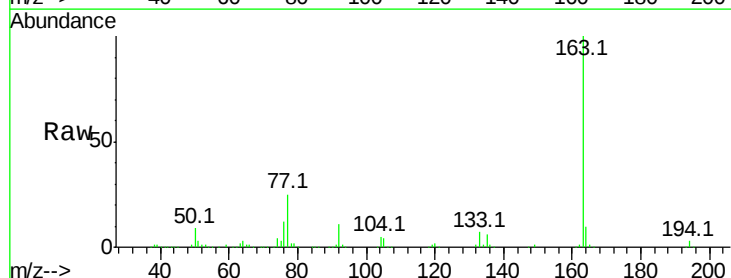
Instrument :  
BNA\_F  
ClientSampleId :  
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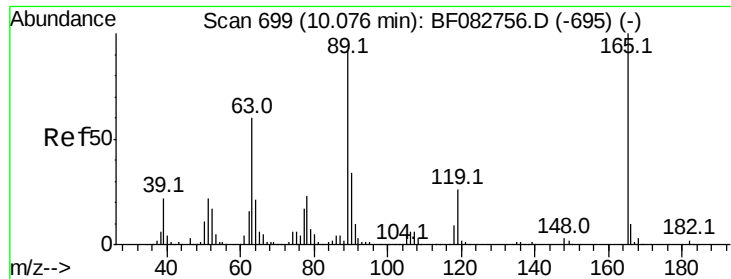
Tot Ion:172 Resp: 2548185  
Ion Ratio Lower Upper  
172 100  
171 38.5 30.8 46.2  
170 27.1 21.2 31.8



#49  
Dimethylphthalate  
Concen: 16.22 ng  
RT: 9.58 min Scan# 656  
Delta R.T. -0.03 min  
Lab File: BF082837.D  
Acq: 9 Nov 2015 18:56

Tgt Ion:163 Resp: 603576  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.6 4.0  
164 10.3 8.7 13.1

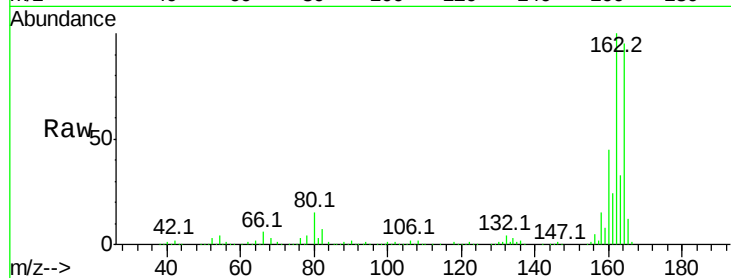




#56  
2,4-Dinitrotoluene  
Concen: 5.58 ng  
RT: 9.87 min Scan# 681  
Delta R.T. -0.21 min  
Lab File: BF082837.D  
Acq: 9 Nov 2015 18:56

Instrument :  
BNA\_F  
ClientSampleId :  
E2-1

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 165     | 100   |       |        |
| 63      | 1.4   | 43.4  | 65.0#  |
| 89      | 1.8   | 70.6  | 106.0# |
| 182     | 0.0   | 1.5   | 2.3#   |

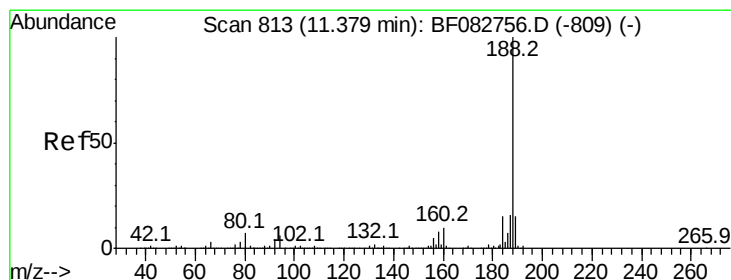
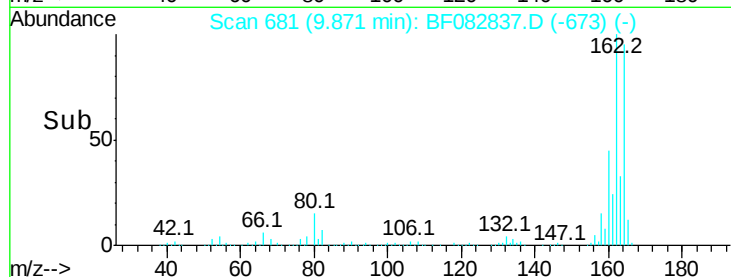
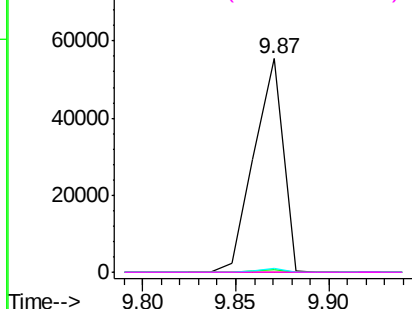


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

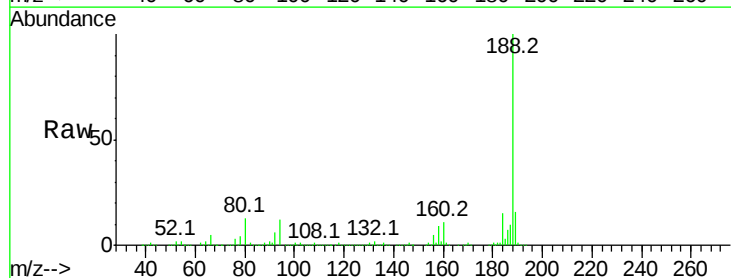
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.34 min Scan# 810  
Delta R.T. -0.03 min  
Lab File: BF082837.D  
Acq: 9 Nov 2015 18:56

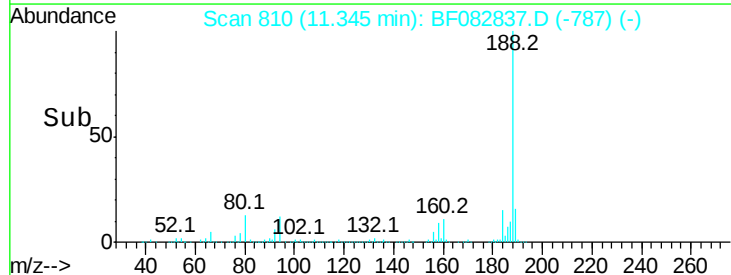
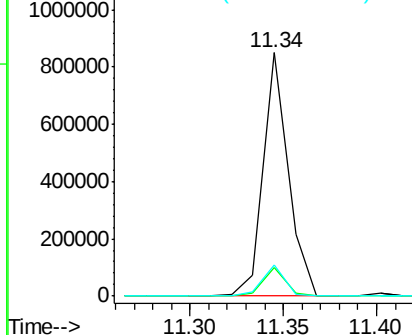
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 11.5  | 6.1   | 9.1#  |
| 80      | 12.9  | 7.0   | 10.6# |

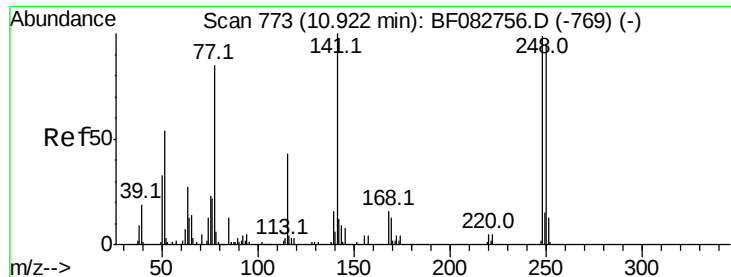


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 5.06 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.26 min

Lab File: BF082837.D

Acq: 9 Nov 2015 18:56

Instrument :

BNA\_F

ClientSampled :

E2-1

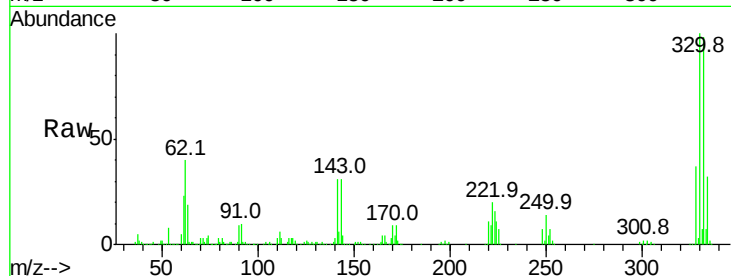
Tot Ion:248 Resp: 48006

Ion Ratio Lower Upper

248 100

250 209.4 79.4 119.2#

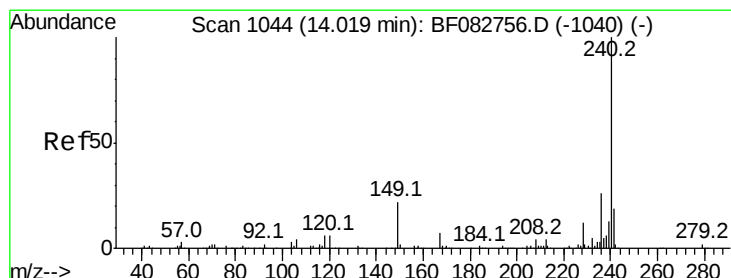
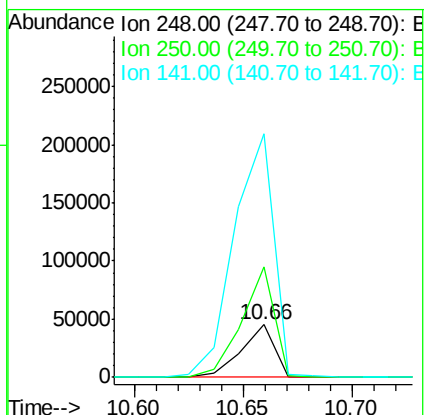
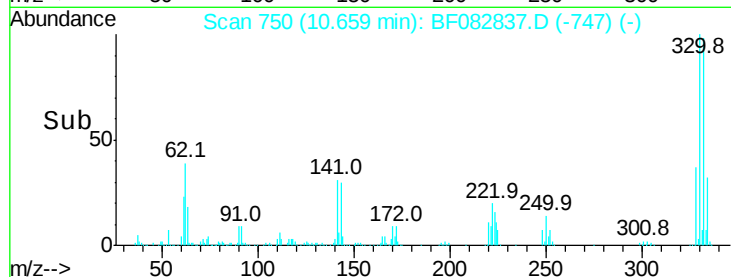
141 460.7 36.3 54.5#



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: 13.99 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF082837.D

Acq: 9 Nov 2015 18:56

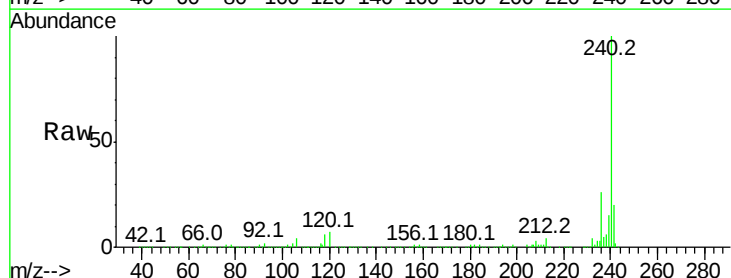
Tgt Ion:240 Resp: 795499

Ion Ratio Lower Upper

240 100

120 6.7 10.9 16.3#

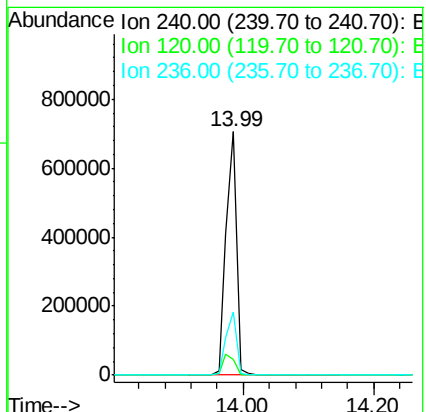
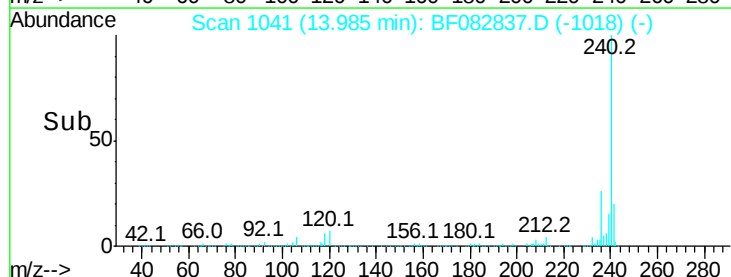
236 26.1 21.6 32.4

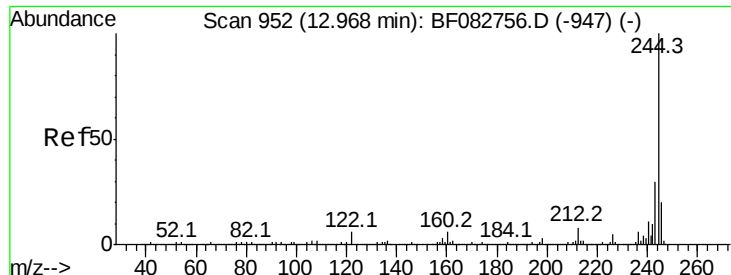


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



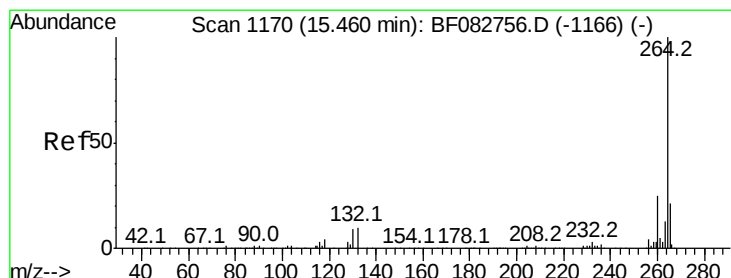
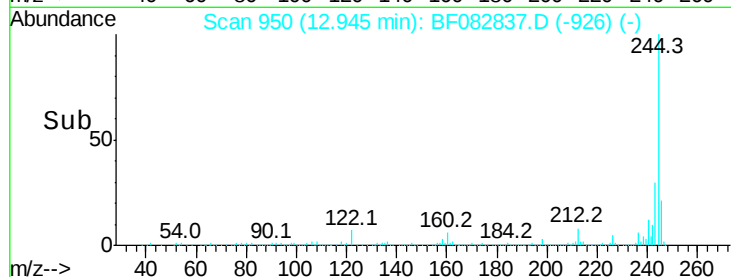
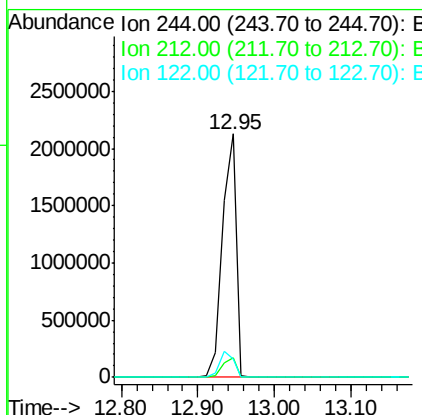
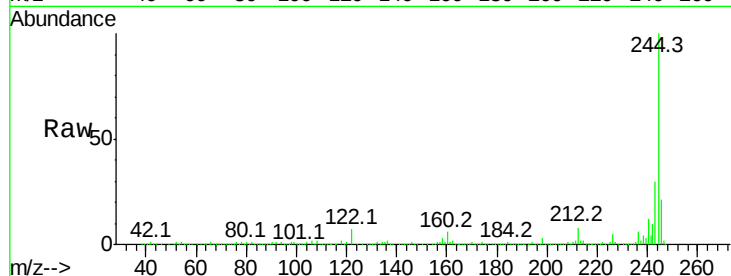


#78  
 Terphenyl-d14  
 Concen: 80.42 ng  
 RT: 12.95 min Scan# 950  
 Delta R.T. -0.02 min  
 Lab File: BF082837.D  
 Acq: 9 Nov 2015 18:56

Instrument :  
 BNA\_F  
 ClientSampled :  
 E2-1

Tot Ion:244 Resp: 2697166  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.1   | 7.6   | 11.4  |
| 122 | 7.5   | 11.3  | 16.9# |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.41 min Scan# 1166  
 Delta R.T. -0.05 min  
 Lab File: BF082837.D  
 Acq: 9 Nov 2015 18:56

Tgt Ion:264 Resp: 692251  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 19.8  | 29.6  |
| 265 | 21.6  | 17.4  | 26.0  |

