

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF031416\  
 Data File : BF085436.D  
 Acq On : 14 Mar 2016 18:38  
 Operator : UM/SJ  
 Sample : H1757-06MS  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRACK-D-STOCKPICE-COMP2MS

Quant Time: Mar 15 01:01:37 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 04 00:54:58 2016  
 Response via : Initial Calibration

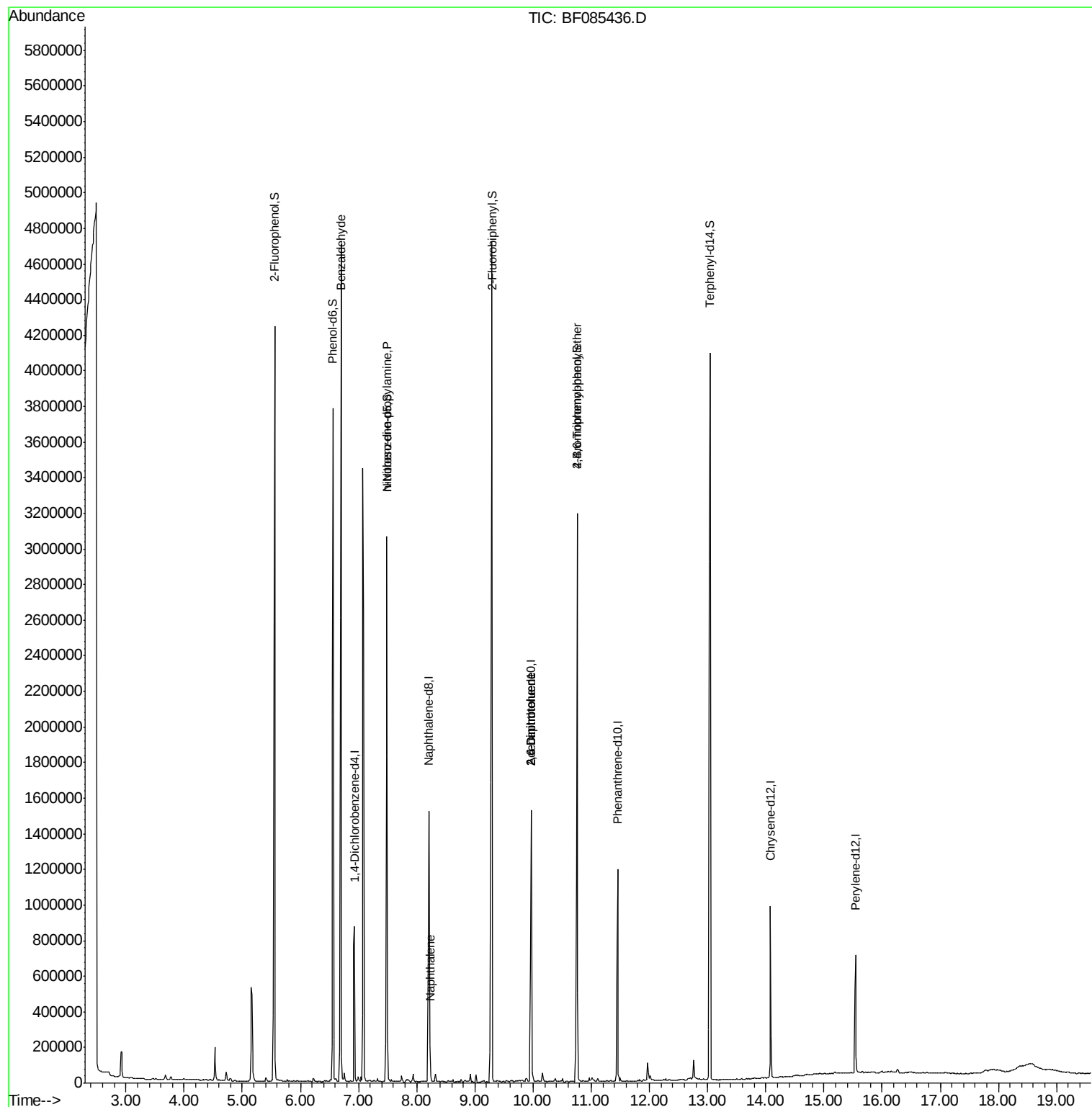
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.93  | 152  | 191672   | 20.00  | ng    | -0.06     |
| 21) Naphthalene-d8             | 8.21  | 136  | 769502   | 20.00  | ng    | -0.06     |
| 38) Acenaphthene-d10           | 9.97  | 164  | 335484   | 20.00  | ng    | -0.06     |
| 63) Phenanthrene-d10           | 11.45 | 188  | 552585   | 20.00  | ng    | -0.06     |
| 75) Chrysene-d12               | 14.08 | 240  | 311590   | 20.00  | ng    | -0.07     |
| 86) Perylene-d12               | 15.55 | 264  | 315163   | 20.00  | ng    | -0.07     |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.56  | 112  | 1498698  | 131.16 | ng    | -0.02     |
| 7) Phenol-d6                   | 6.56  | 99   | 1646997  | 110.01 | ng    | -0.05     |
| 23) Nitrobenzene-d5            | 7.49  | 82   | 1288961  | 89.64  | ng    | -0.06     |
| 41) 2,4,6-Tribromophenol       | 10.76 | 330  | 439491   | 153.10 | ng    | -0.06     |
| 44) 2-Fluorobiphenyl           | 9.29  | 172  | 2356659  | 106.83 | ng    | -0.06     |
| 78) Terphenyl-d14              | 13.04 | 244  | 1687298  | 125.71 | ng    | -0.05     |
| Target Compounds               |       |      |          |        |       |           |
| 9) Benzaldehyde                | 6.70  | 77   | 35544    | 2.21   | ng    | Qvalue 87 |
| 19) n-Nitroso-di-n-propylamine | 7.49  | 70   | 175127   | 17.95  | ng    | # 77      |
| 31) Naphthalene                | 8.23  | 128  | 83655    | 2.21   | ng    | 97        |
| 50) 2,6-Dinitrotoluene         | 9.97  | 165  | 43007    | 7.81   | ng    | # 26      |
| 56) 2,4-Dinitrotoluene         | 9.97  | 165  | 43008    | 6.10   | ng    | # 22      |
| 66) 4-Bromophenyl-phenylether  | 10.76 | 248  | 29976    | 5.59   | ng    | # 1       |

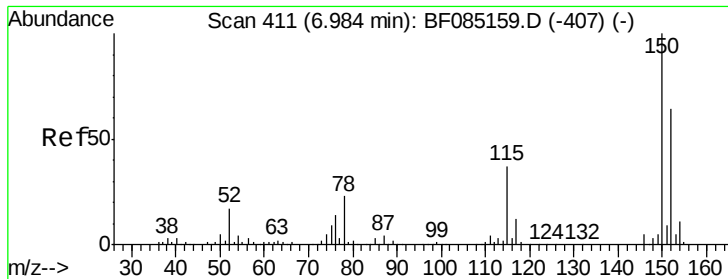
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF031416\  
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Quant Time: Mar 15 01:01:37 2016  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Mar 04 00:54:58 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 406

Delta R.T. -0.06 min

Lab File: BF085436.D

Acq: 14 Mar 2016 18:38

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-STOCKPICE-COMP2MS

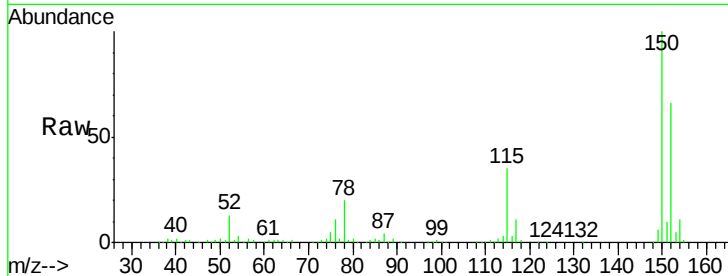
Tgt Ion:152 Resp: 191672

Ion Ratio Lower Upper

152 100

150 152.2 124.6 186.8

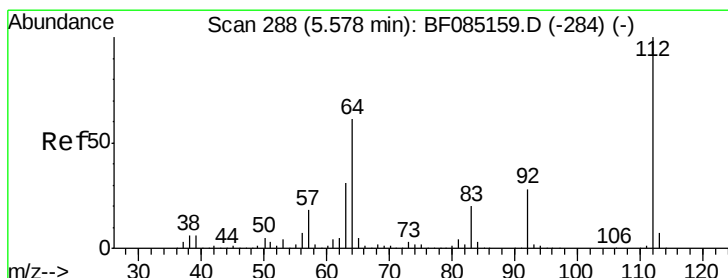
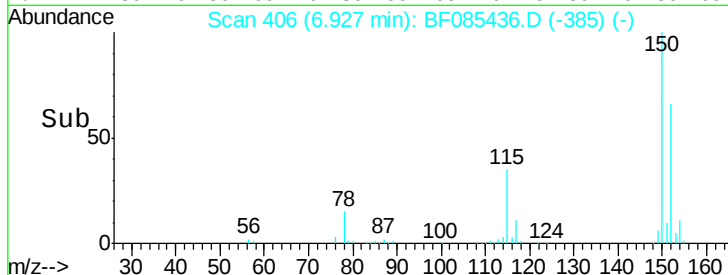
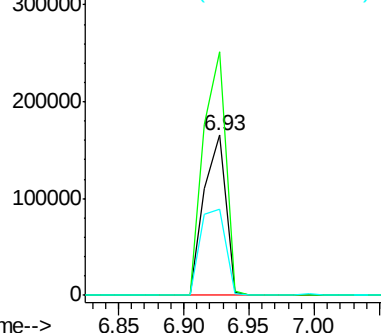
115 53.9 46.6 70.0



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: 131.16 ng

RT: 5.56 min Scan# 286

Delta R.T. -0.02 min

Lab File: BF085436.D

Acq: 14 Mar 2016 18:38

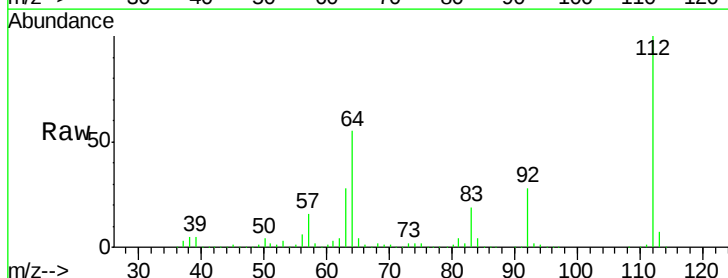
Tgt Ion:112 Resp: 1498698

Ion Ratio Lower Upper

112 100

64 54.9 49.0 73.4

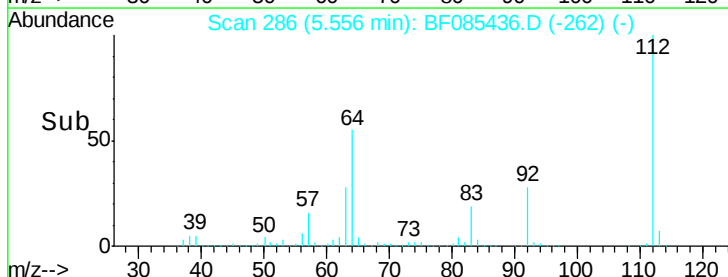
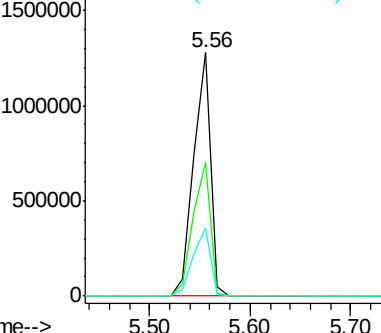
63 28.1 24.8 37.2

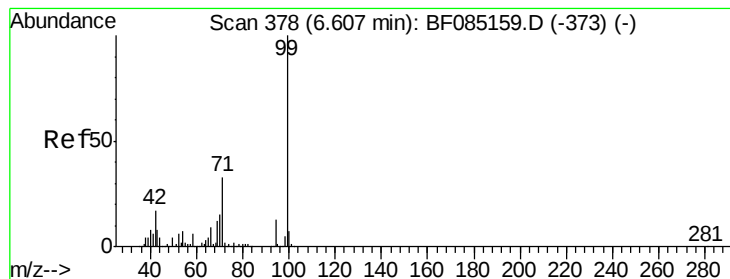


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 110.01 ng

RT: 6.56 min Scan# 374

Delta R.T. -0.05 min

Lab File: BF085436.D

Acq: 14 Mar 2016 18:38

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-STOCKPICE-COMP2MS

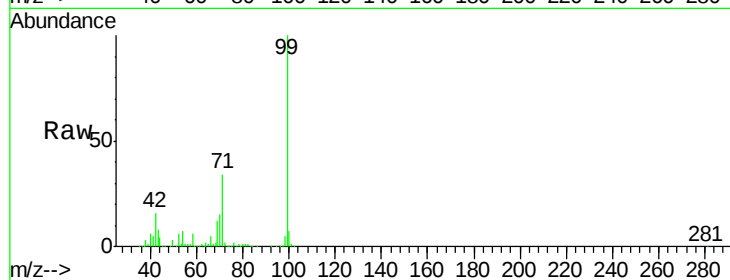
Tgt Ion: 99 Resp: 1646997

Ion Ratio Lower Upper

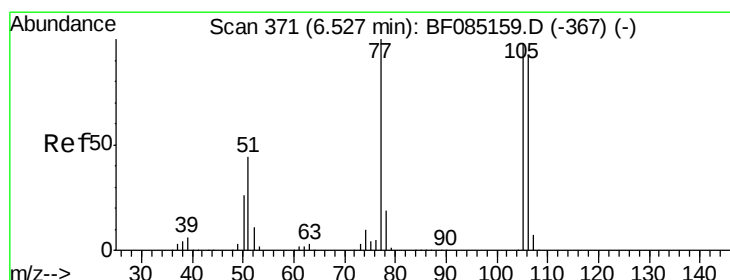
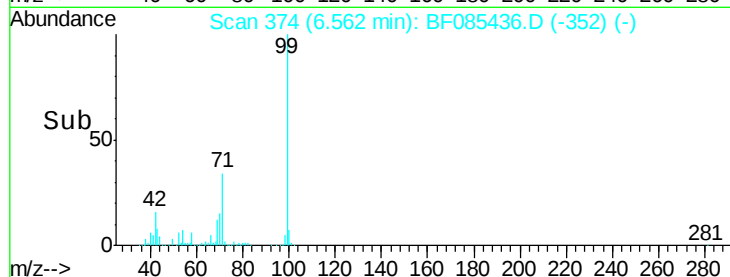
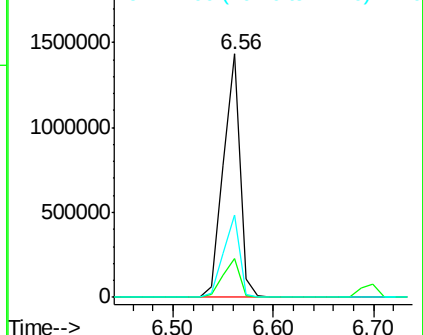
99 100

42 15.7 13.6 20.4

71 34.0 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



#9

Benzaldehyde

Concen: 2.21 ng

RT: 6.70 min Scan# 386

Delta R.T. 0.17 min

Lab File: BF085436.D

Acq: 14 Mar 2016 18:38

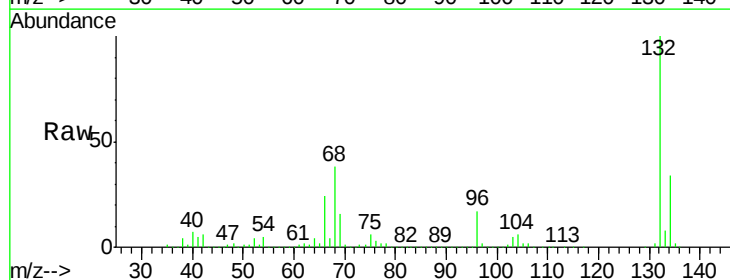
Tgt Ion: 77 Resp: 35544

Ion Ratio Lower Upper

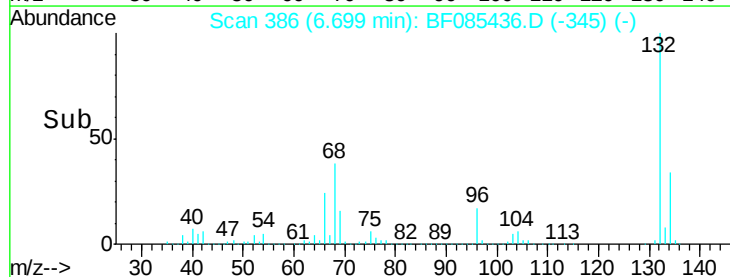
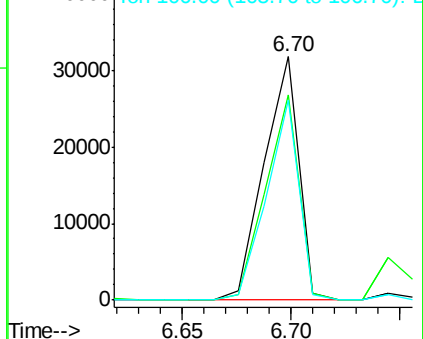
77 100

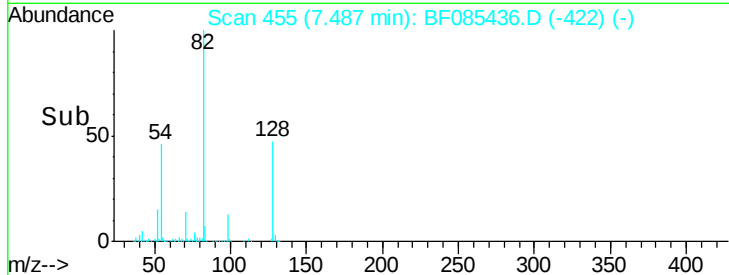
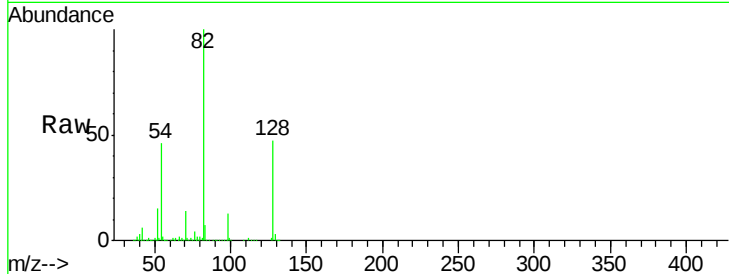
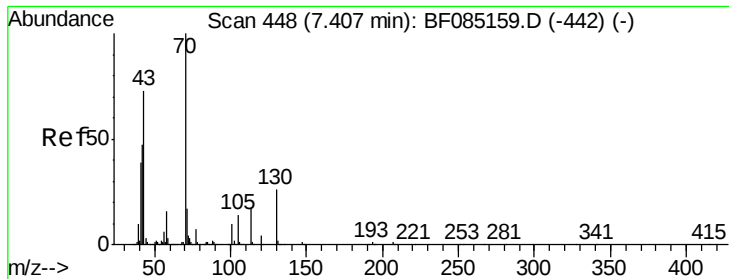
105 84.5 78.2 118.2

106 82.1 72.9 112.9



Abundance Ion 77.00 (76.70 to 77.70): BF0  
Ion 105.00 (104.70 to 105.70): BF0  
Ion 106.00 (105.70 to 106.70): BF0

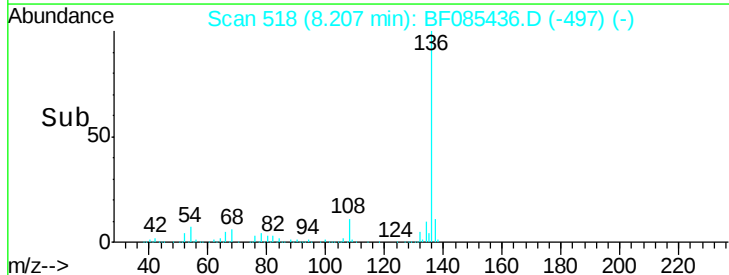
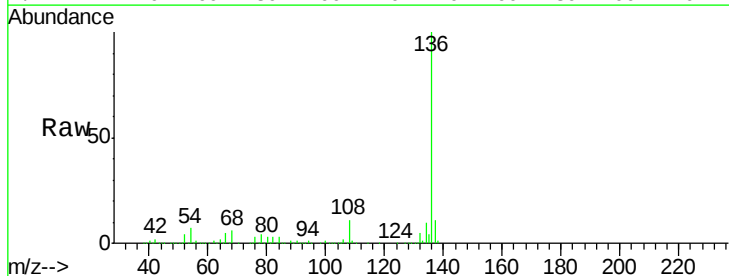
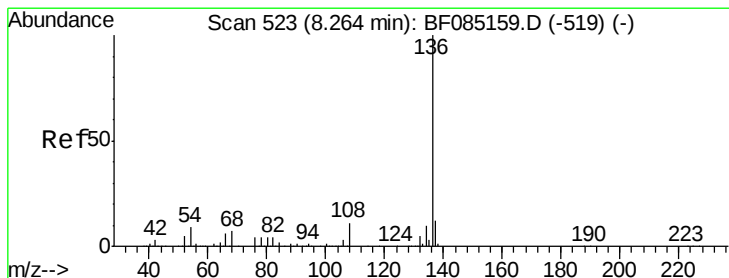
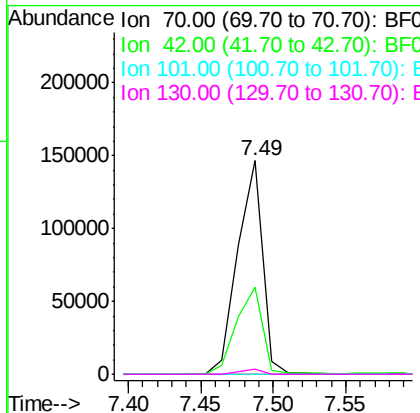




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.95 ng  
RT: 7.49 min Scan# 455  
Delta R.T. 0.08 min  
Lab File: BF085436.D  
Acq: 14 Mar 2016 18:38

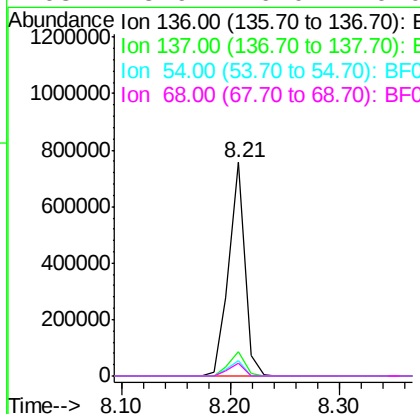
Instrument :  
BNA\_F  
ClientSampleId :  
TRACK-D-STOCKPICE-COMP2MS

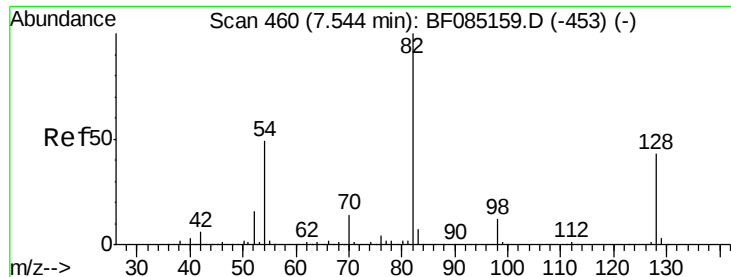
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 175127 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 40.6  | 37.7  | 56.5   |
| 101      | 0.0   | 8.2   | 12.4#  |
| 130      | 2.2   | 20.5  | 30.7#  |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.21 min Scan# 518  
Delta R.T. -0.06 min  
Lab File: BF085436.D  
Acq: 14 Mar 2016 18:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 769502 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 9.3   | 13.9   |
| 54       | 7.2   | 7.4   | 11.2#  |
| 68       | 5.9   | 6.0   | 9.0#   |

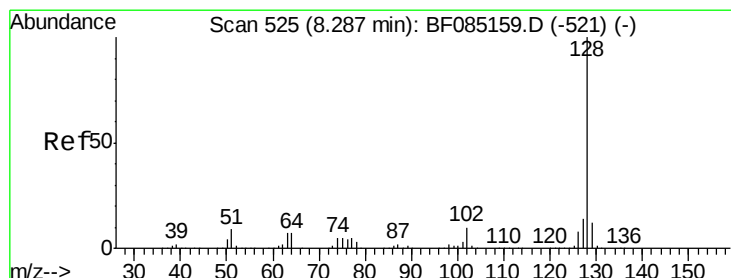
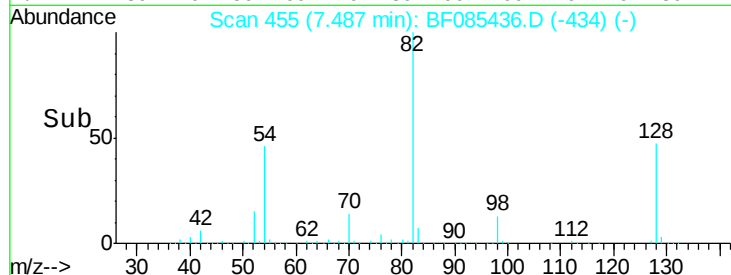
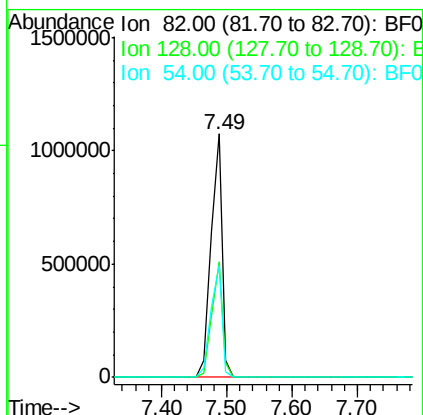
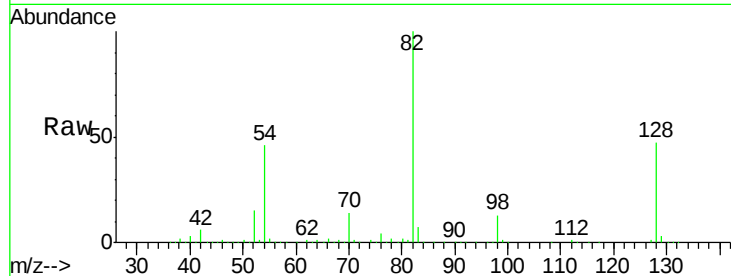




#23  
 Nitrobenzene-d5  
 Concen: 89.64 ng  
 RT: 7.49 min Scan# 455  
 Delta R.T. -0.06 min  
 Lab File: BF085436.D  
 Acq: 14 Mar 2016 18:38

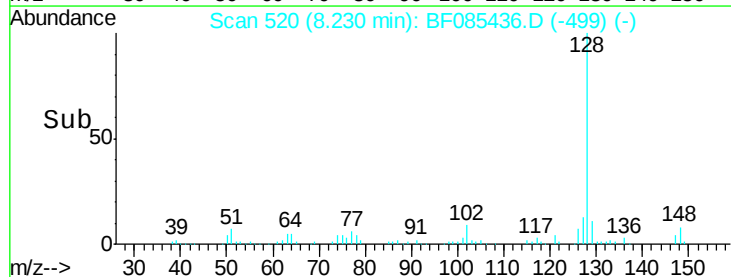
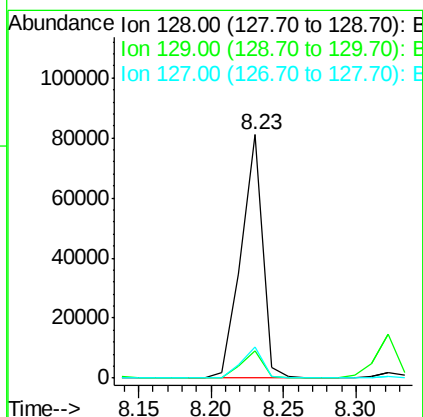
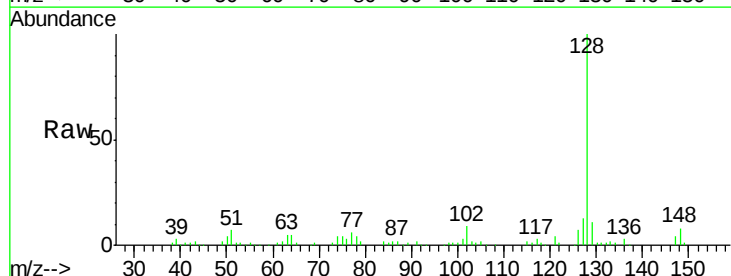
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRACK-D-STOCKPICE-COMP2MS

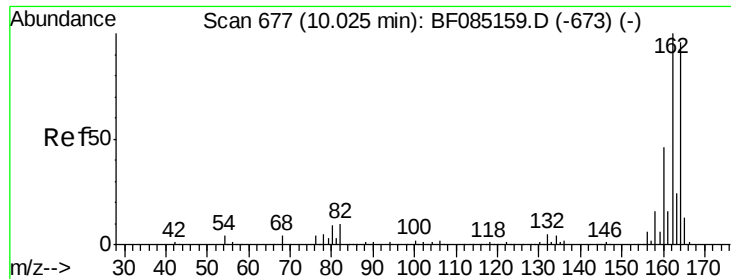
Tgt Ion: 82 Resp: 1288961  
 Ion Ratio Lower Upper  
 82 100  
 128 47.3 34.5 51.7  
 54 46.1 39.3 58.9



#31  
 Naphthalene  
 Concen: 2.21 ng  
 RT: 8.23 min Scan# 520  
 Delta R.T. -0.06 min  
 Lab File: BF085436.D  
 Acq: 14 Mar 2016 18:38

Tgt Ion: 128 Resp: 83655  
 Ion Ratio Lower Upper  
 128 100  
 129 11.0 9.7 14.5  
 127 12.7 11.2 16.8





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.97 min Scan# 672

Delta R.T. -0.06 min

Lab File: BF085436.D

Acq: 14 Mar 2016 18:38

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-STOCKPICE-COMP2MS

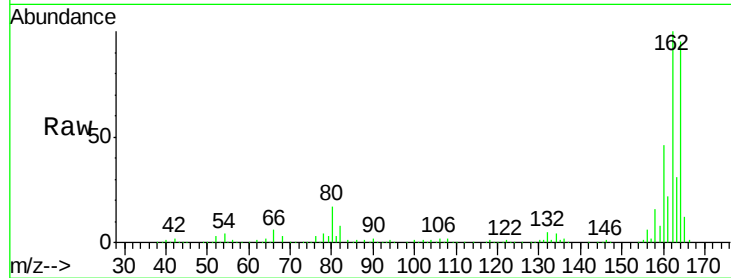
Tgt Ion:164 Resp: 335484

Ion Ratio Lower Upper

164 100

162 105.6 83.3 124.9

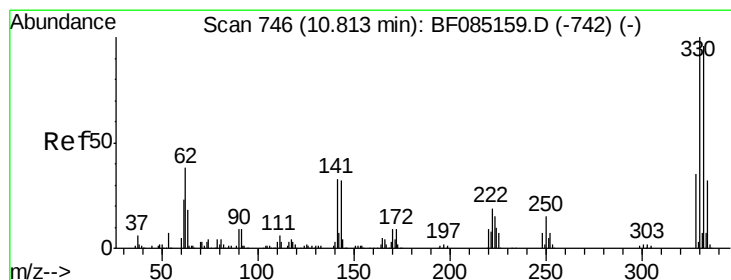
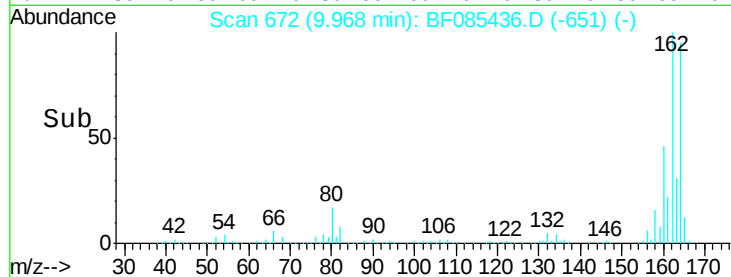
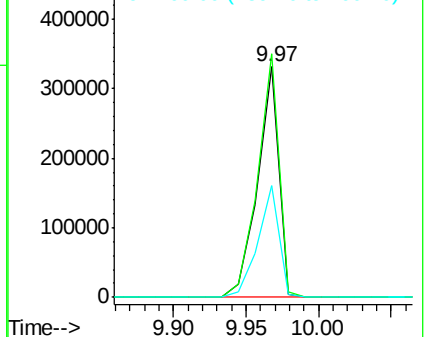
160 48.5 37.9 56.9



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: 153.10 ng

RT: 10.76 min Scan# 741

Delta R.T. -0.06 min

Lab File: BF085436.D

Acq: 14 Mar 2016 18:38

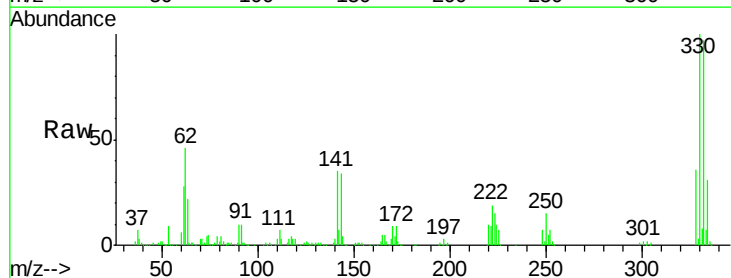
Tgt Ion:330 Resp: 439491

Ion Ratio Lower Upper

330 100

332 97.0 77.1 115.7

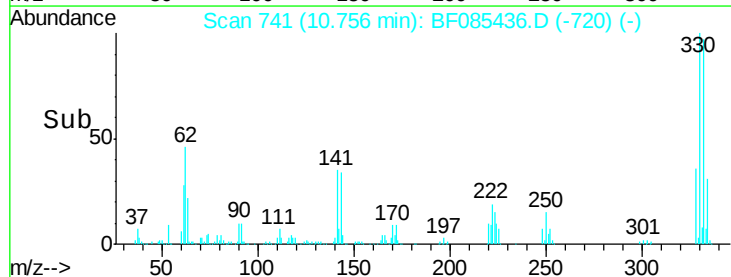
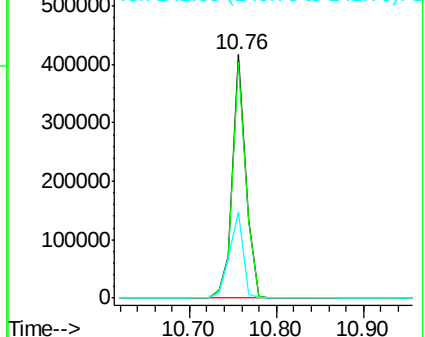
141 36.7 35.0 52.6

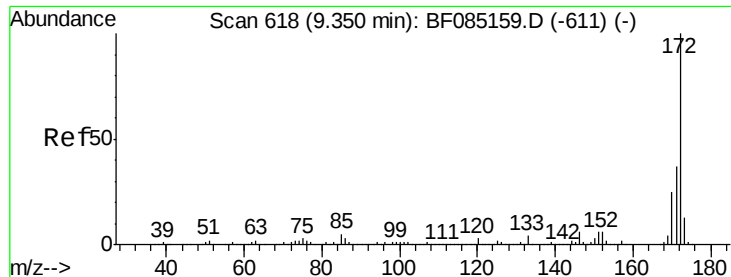


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

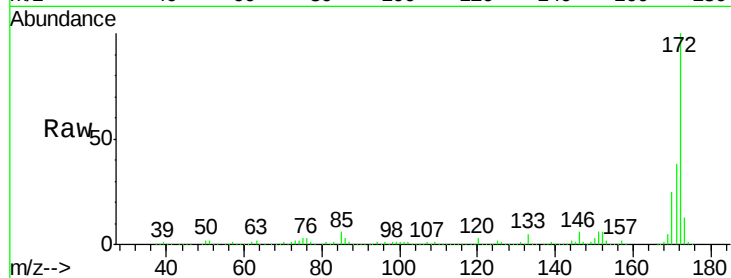




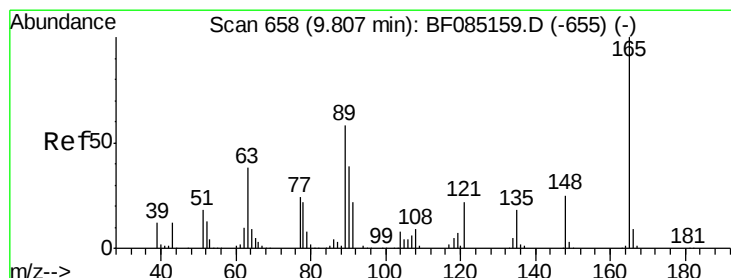
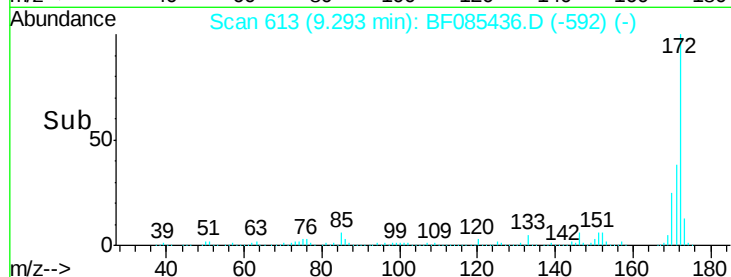
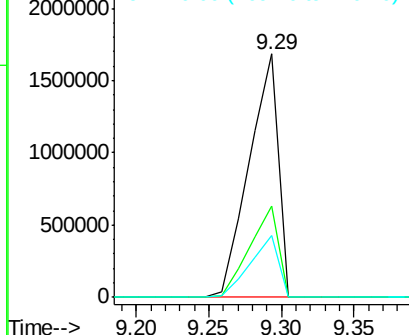
#44  
 2-Fluorobiphenyl  
 Concen: 106.83 ng  
 RT: 9.29 min Scan# 613  
 Delta R.T. -0.06 min  
 Lab File: BF085436.D  
 Acq: 14 Mar 2016 18:38

Instrument :  
 BNA\_F  
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 TRACK-D-STOCKPICE-COMP2MS

Tgt Ion:172 Resp: 2356659  
 Ion Ratio Lower Upper  
 172 100  
 171 37.5 29.3 43.9  
 170 25.2 20.0 30.0

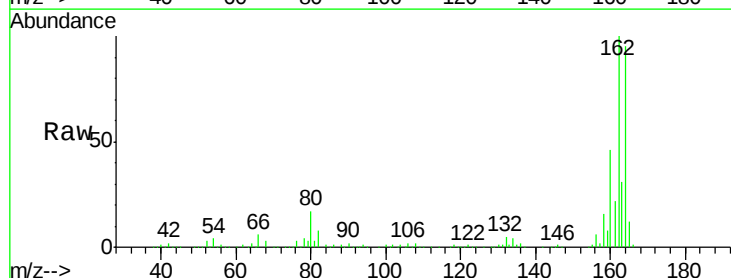


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

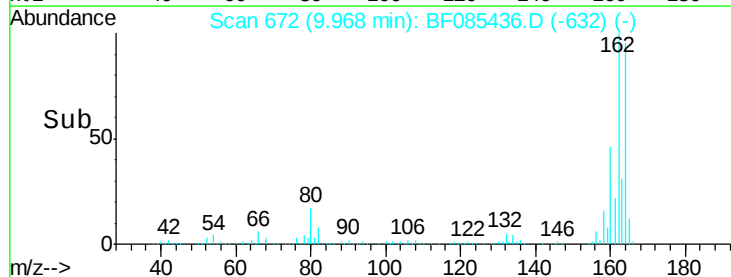
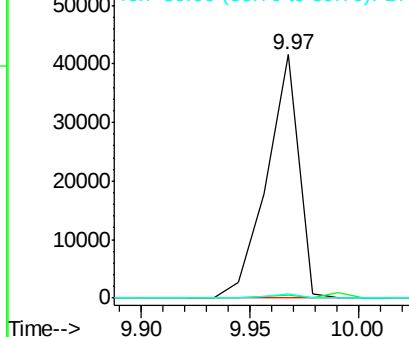


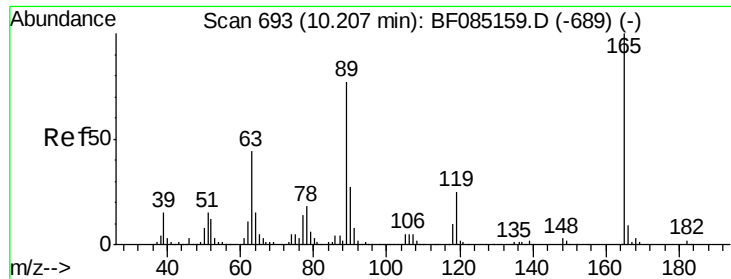
#50  
 2,6-Dinitrotoluene  
 Concen: 7.81 ng  
 RT: 9.97 min Scan# 672  
 Delta R.T. 0.16 min  
 Lab File: BF085436.D  
 Acq: 14 Mar 2016 18:38

Tgt Ion:165 Resp: 43007  
 Ion Ratio Lower Upper  
 165 100  
 63 1.3 41.8 62.8#  
 89 1.8 46.7 70.1#



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

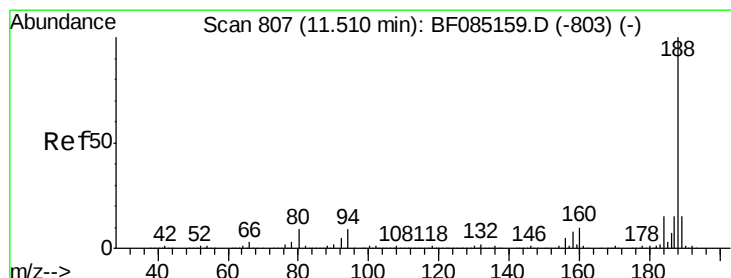
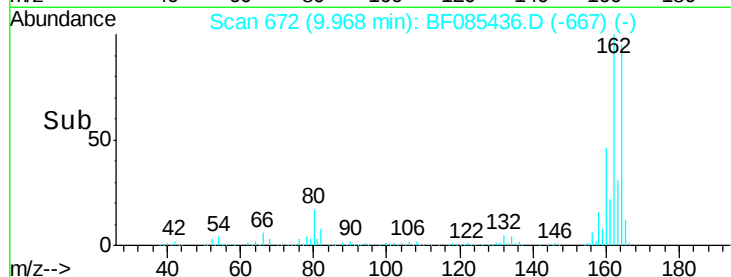
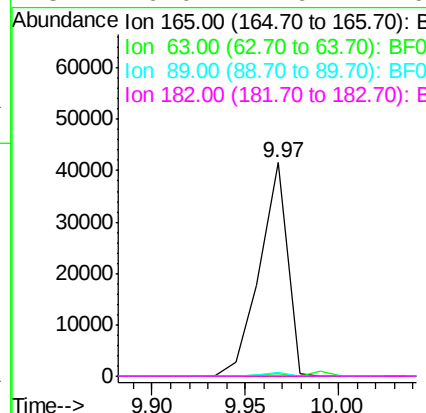
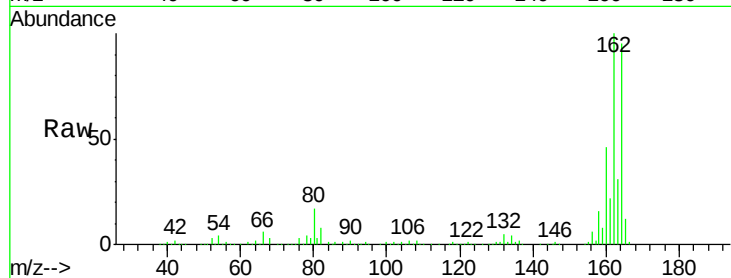




#56  
 2,4-Dinitrotoluene  
 Concen: 6.10 ng  
 RT: 9.97 min Scan# 672  
 Delta R.T. -0.24 min  
 Lab File: BF085436.D  
 Acq: 14 Mar 2016 18:38

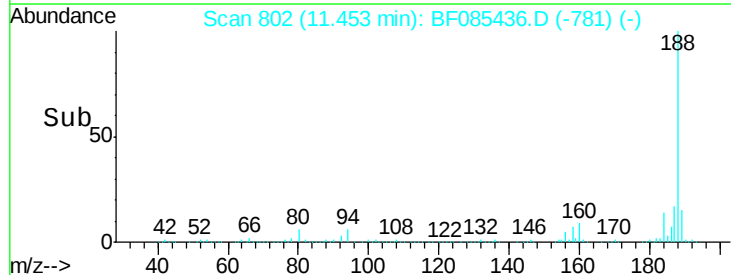
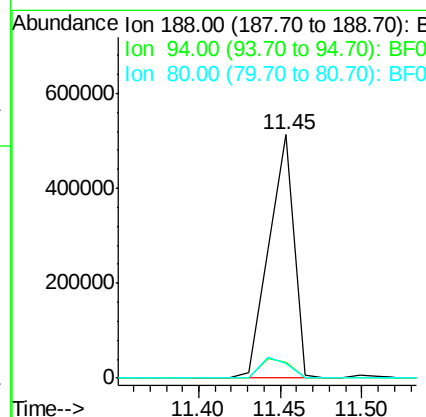
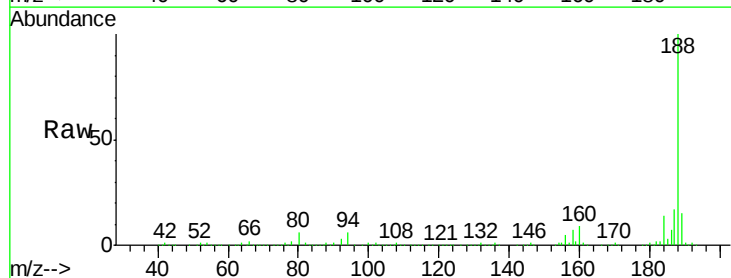
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRACK-D-STOCKPICE-COMP2MS

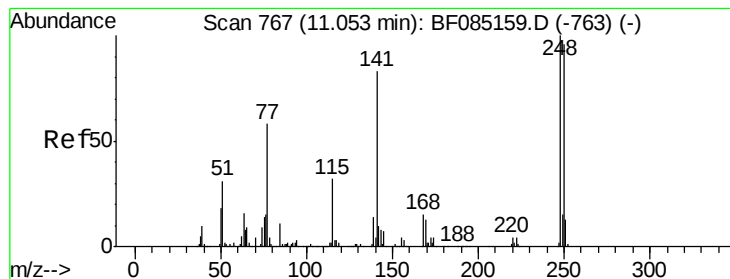
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 43008 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 1.3   | 35.4  | 53.0# |
| 89        | 1.8   | 61.9  | 92.9# |
| 182       | 0.0   | 1.9   | 2.9#  |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.45 min Scan# 802  
 Delta R.T. -0.06 min  
 Lab File: BF085436.D  
 Acq: 14 Mar 2016 18:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 552585 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 6.4   | 7.0   | 10.6#  |
| 80        | 6.2   | 7.4   | 11.0#  |





#66

4-Bromophenyl-phenylether

Concen: 5.59 ng

RT: 10.76 min Scan# 741

Delta R.T. -0.30 min

Lab File: BF085436.D

Acq: 14 Mar 2016 18:38

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-STOCKPICE-COMP2MS

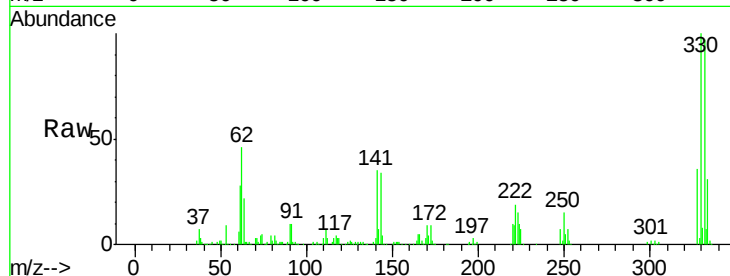
Tgt Ion:248 Resp: 29976

Ion Ratio Lower Upper

248 100

250 199.3 77.1 115.7#

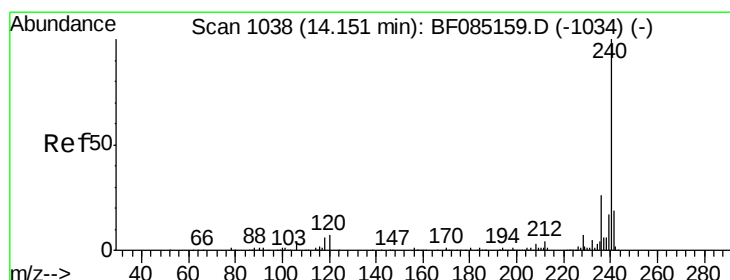
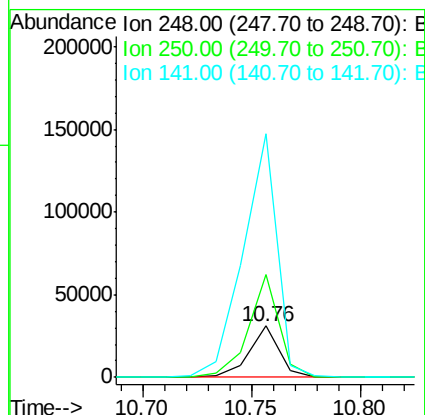
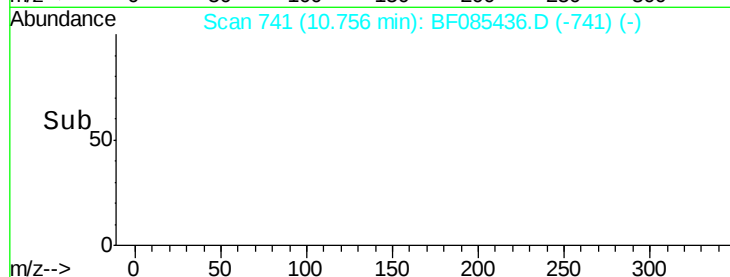
141 473.9 66.2 99.2#



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: 14.08 min Scan# 1032

Delta R.T. -0.07 min

Lab File: BF085436.D

Acq: 14 Mar 2016 18:38

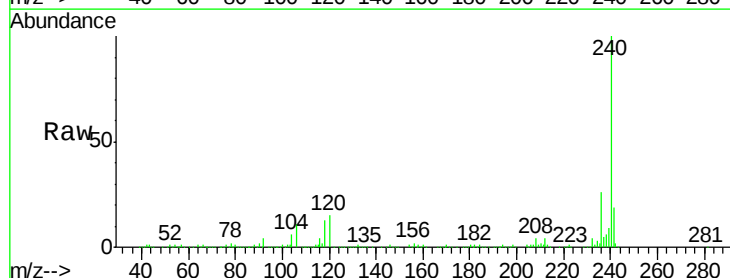
Tgt Ion:240 Resp: 311590

Ion Ratio Lower Upper

240 100

120 15.4 5.3 7.9#

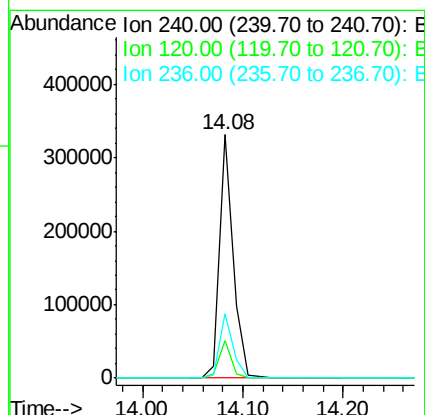
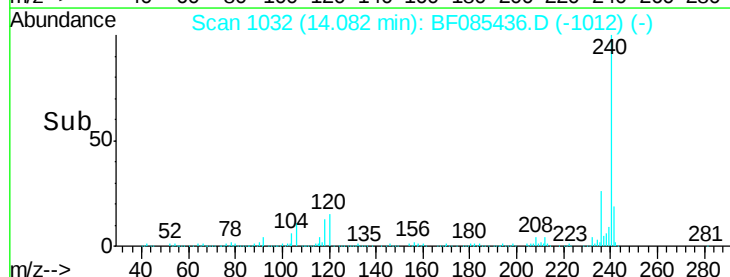
236 26.5 20.7 31.1

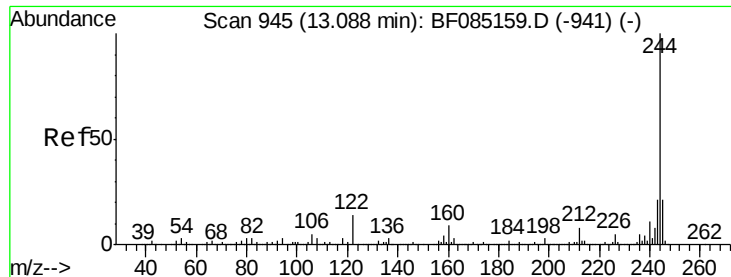


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

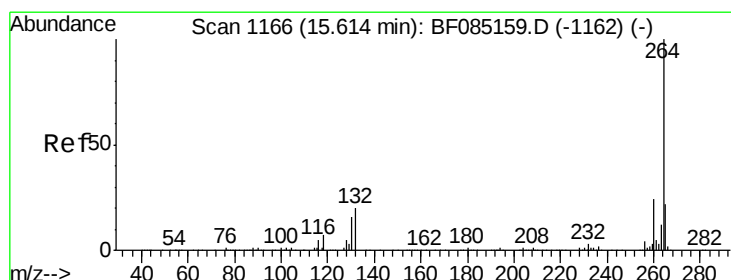
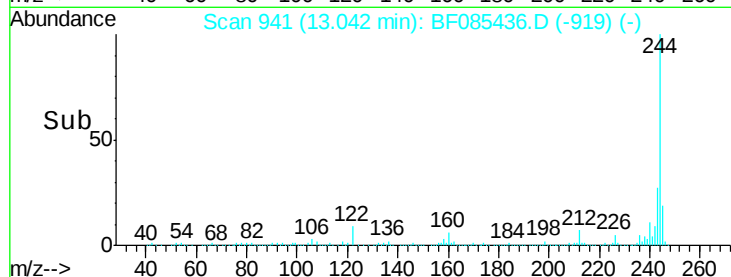
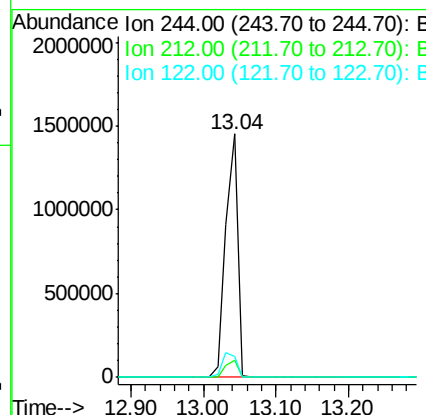
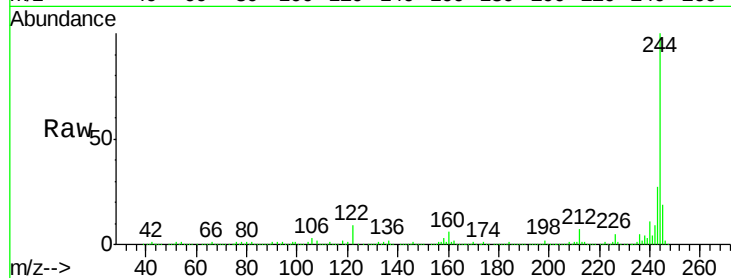




#78  
 Terphenyl-d14  
 Concen: 125.71 ng  
 RT: 13.04 min Scan# 941  
 Delta R.T. -0.05 min  
 Lab File: BF085436.D  
 Acq: 14 Mar 2016 18:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRACK-D-STOCKPICE-COMP2MS

Tgt Ion:244 Resp: 1687298  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 6.4 9.6  
 122 8.8 11.4 17.2#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.55 min Scan# 1160  
 Delta R.T. -0.07 min  
 Lab File: BF085436.D  
 Acq: 14 Mar 2016 18:38

Tgt Ion:264 Resp: 315163  
 Ion Ratio Lower Upper  
 264 100  
 260 25.1 19.2 28.8  
 265 21.7 17.3 25.9

