

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122716\  
 Data File : BF091983.D  
 Acq On : 27 Dec 2016 22:28  
 Operator : UM/SJ  
 Sample : H6245-03  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LIP-16

Quant Time: Dec 28 00:02:26 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 21 16:17:51 2016  
 Response via : Initial Calibration

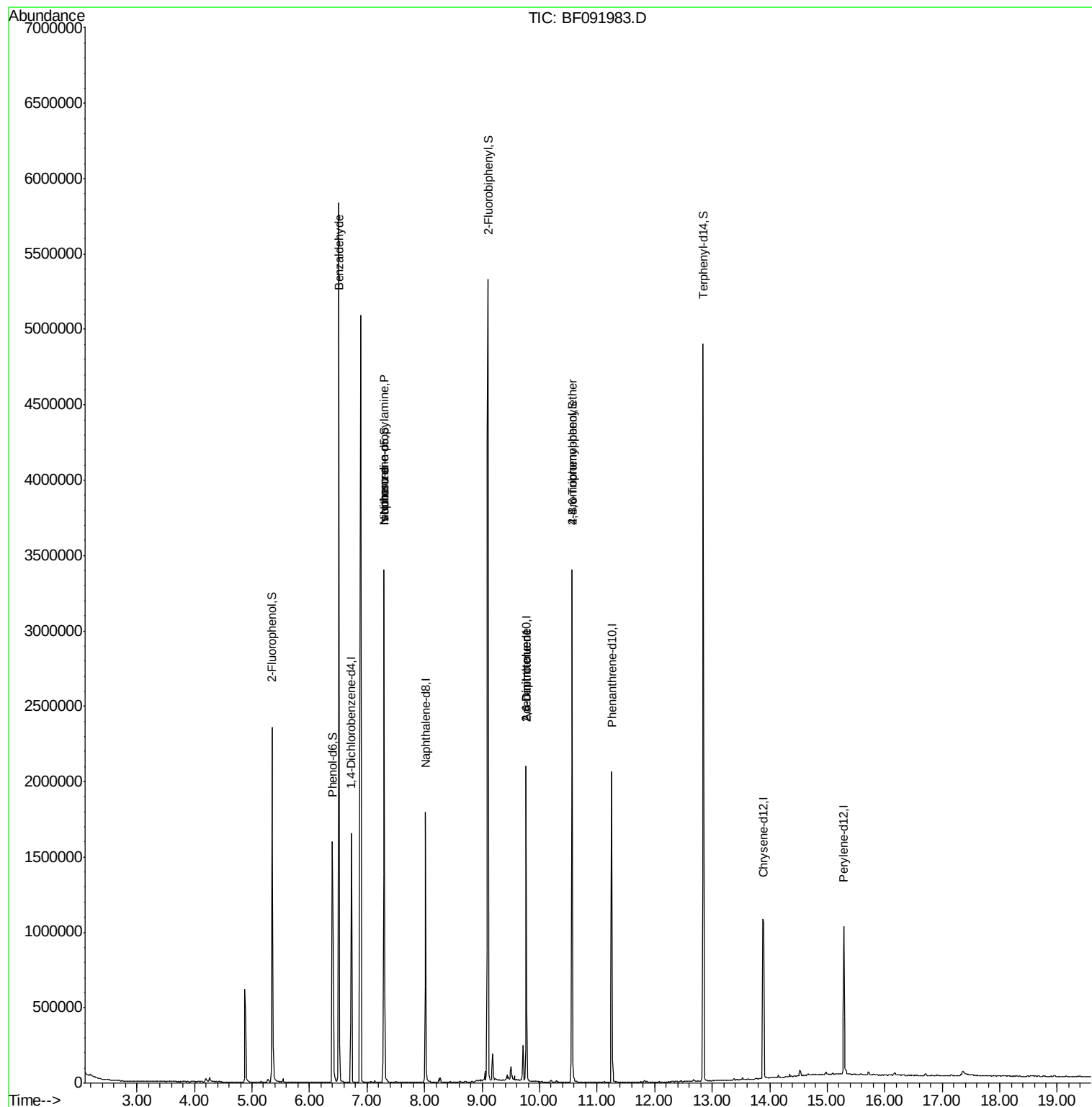
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.73  | 152  | 249336   | 20.00     | ng    | -0.02    |
| 21) Naphthalene-d8             | 8.02  | 136  | 902373   | 20.00     | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.77  | 164  | 449288   | 20.00     | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.25 | 188  | 756468   | 20.00     | ng    | -0.01    |
| 75) Chrysene-d12               | 13.89 | 240  | 564585   | 20.00     | ng    | -0.01    |
| 86) Perylene-d12               | 15.29 | 264  | 431907   | 20.00     | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.34  | 112  | 913058   | 61.14     | ng    | 0.00     |
| 7) Phenol-d6                   | 6.40  | 99   | 747934   | 41.02     | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.30  | 82   | 1349331  | 83.15     | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.57 | 330  | 484872   | 130.41    | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.10  | 172  | 2457269  | 116.90    | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.84 | 244  | 1912655  | 82.16     | ng    | -0.01    |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.51  | 77   | 41041    | 2.79      | ng    | # 71     |
| 19) n-Nitroso-di-n-propylamine | 7.30  | 70   | 178790   | 14.74     | ng    | # 78     |
| 25) Isophorone                 | 7.30  | 82   | 982114   | 32.80     | ng    | # 65     |
| 37) 2-Methylnaphthalene        | 8.73  | 142  | 677      | Below Cal | #     | 78       |
| 50) 2,6-Dinitrotoluene         | 9.77  | 165  | 59030    | 9.39      | ng    | # 30     |
| 56) 2,4-Dinitrotoluene         | 9.77  | 165  | 59020    | 7.48      | ng    | # 19     |
| 66) 4-Bromophenyl-phenylether  | 10.57 | 248  | 33006    | 4.19      | ng    | # 1      |
| 71) Anthracene                 | 11.28 | 178  | 18342    | Below Cal | #     | 98       |
| 73) Di-n-butylphthalate        | 11.82 | 149  | 6969     | Below Cal | #     | 96       |
| 74) Fluoranthene               | 12.46 | 202  | 4770     | Below Cal | #     | 96       |

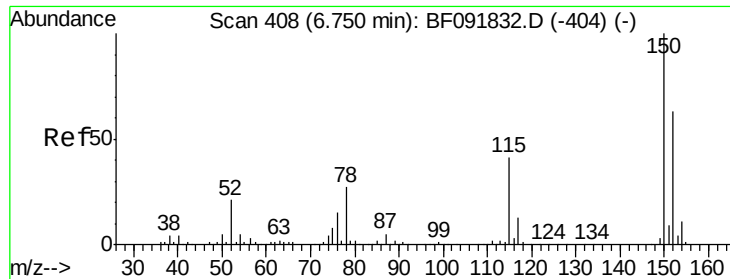
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 21 16:17:51 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF091832.D

Acq: 27 Dec 2016 22:28

Instrument :

BNA\_F

ClientSampleId :

LIP-16

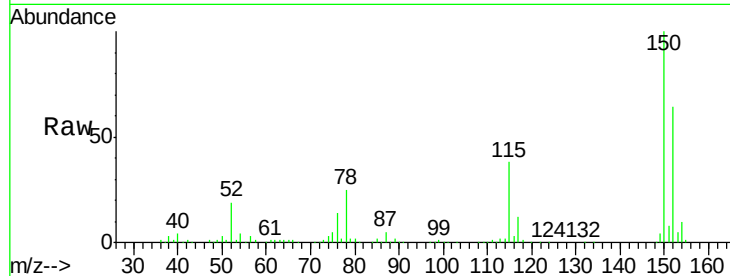
Tgt Ion:152 Resp: 249336

Ion Ratio Lower Upper

152 100

150 157.1 124.9 187.3

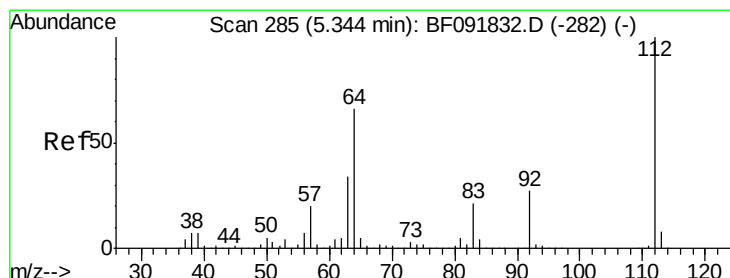
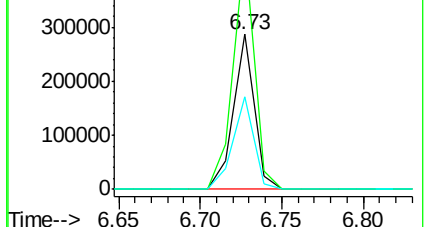
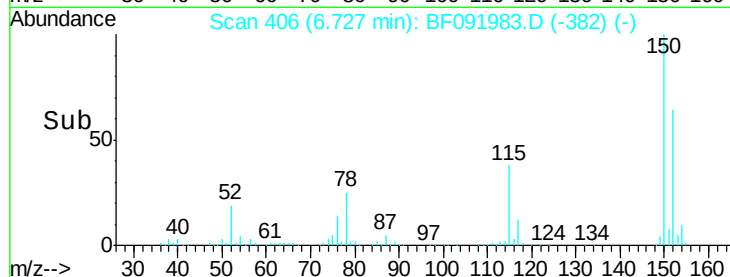
115 59.7 46.0 69.0



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: 61.14 ng

RT: 5.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: BF091832.D

Acq: 27 Dec 2016 22:28

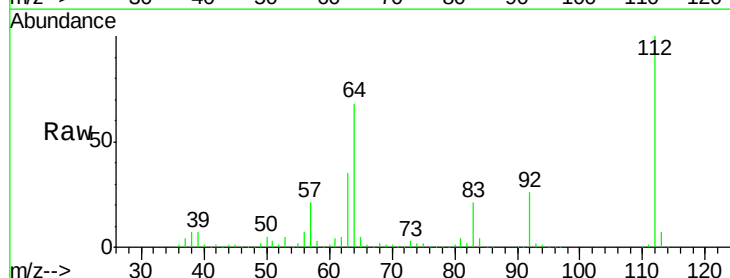
Tgt Ion:112 Resp: 913058

Ion Ratio Lower Upper

112 100

64 68.0 46.1 69.1

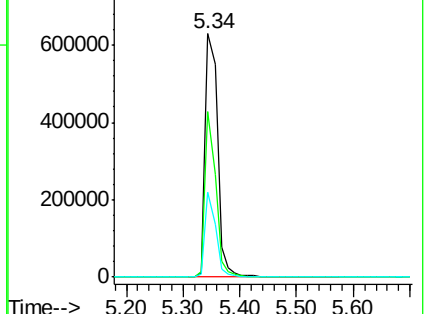
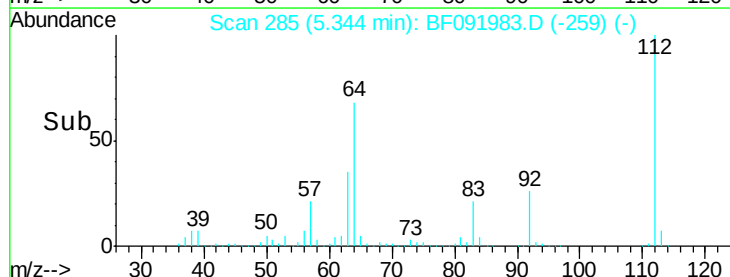
63 34.9 23.8 35.6

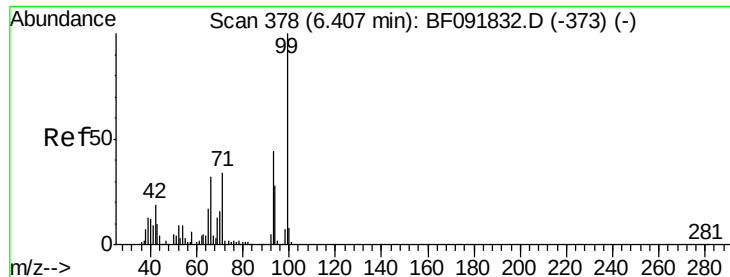


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 41.02 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF091832.D

Acq: 27 Dec 2016 22:28

Instrument :

BNA\_F

ClientSampleId :

LIP-16

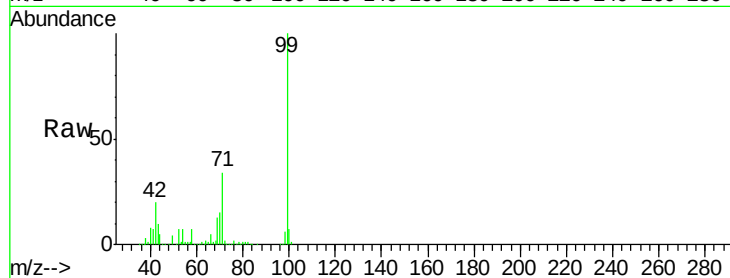
Tgt Ion: 99 Resp: 747934

Ion Ratio Lower Upper

99 100

42 19.9 15.6 23.4

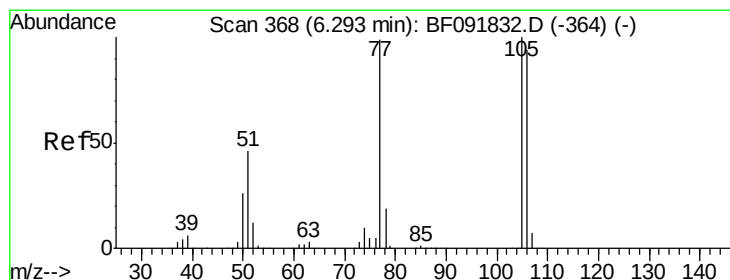
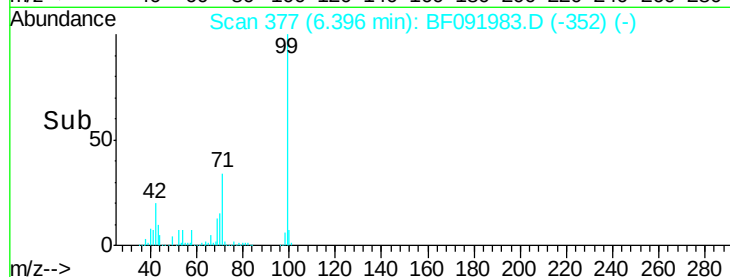
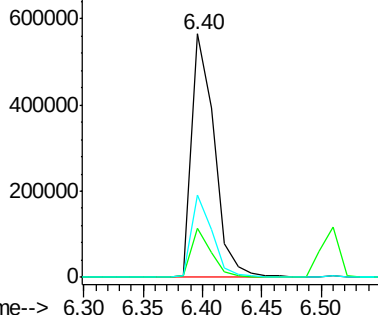
71 33.7 27.5 41.3



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: 2.79 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.22 min

Lab File: BF091832.D

Acq: 27 Dec 2016 22:28

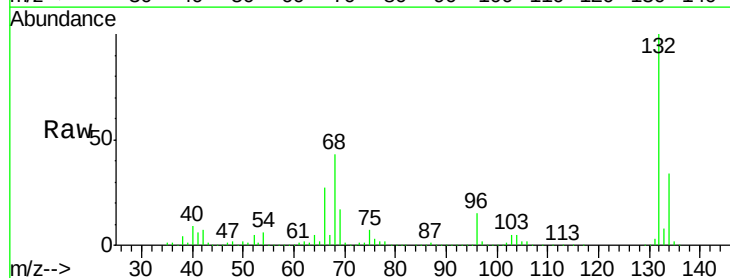
Tgt Ion: 77 Resp: 41041

Ion Ratio Lower Upper

77 100

105 76.8 83.9 123.9#

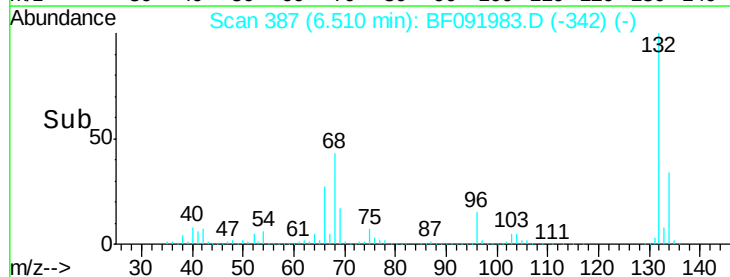
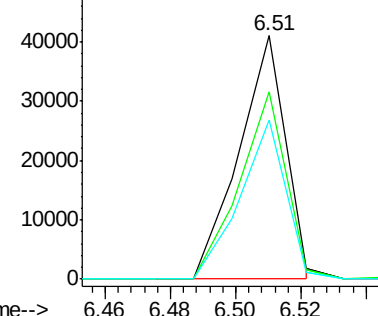
106 65.5 77.6 117.6#

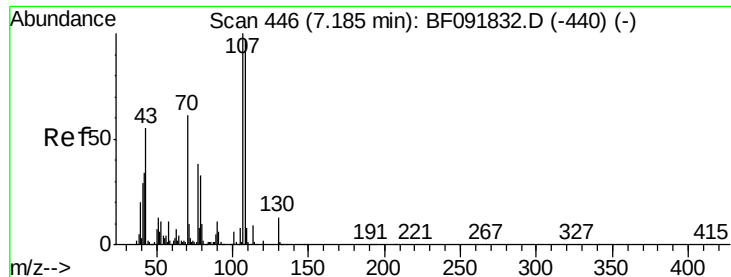


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

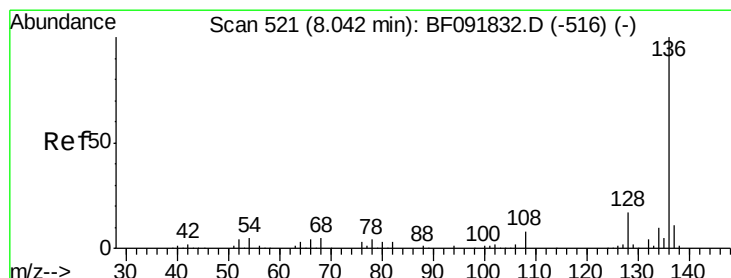
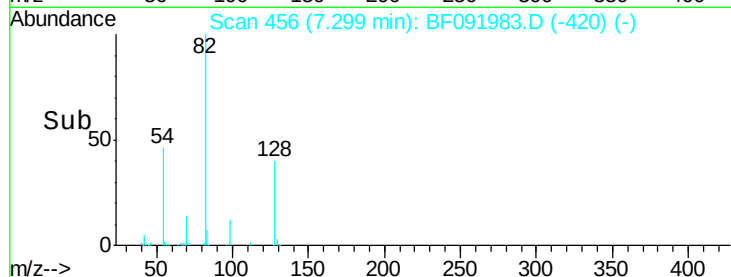
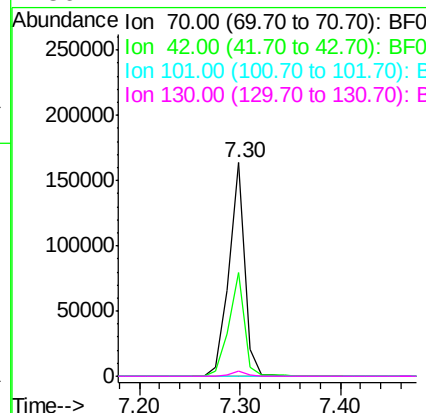
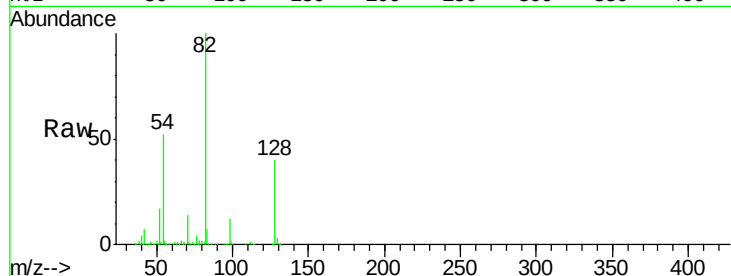




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.74 ng  
RT: 7.30 min Scan# 456  
Delta R.T. 0.11 min  
Lab File: BF091832.D  
Acq: 27 Dec 2016 22:28

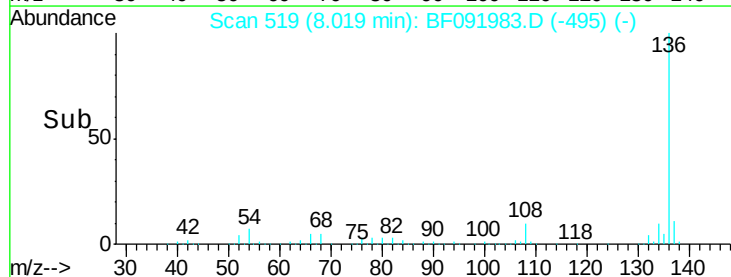
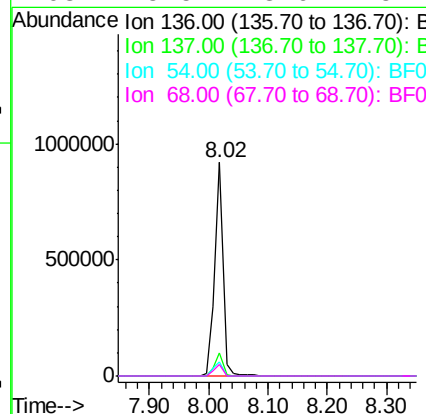
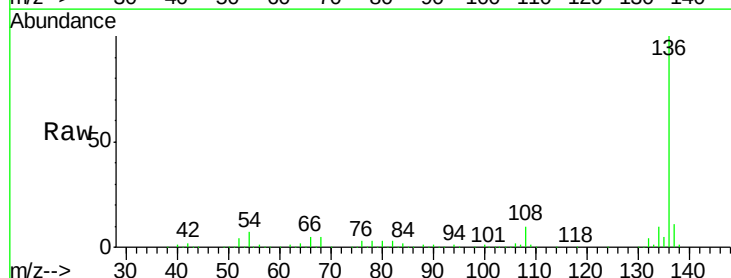
Instrument :  
BNA\_F  
ClientSampleId :  
LIP-16

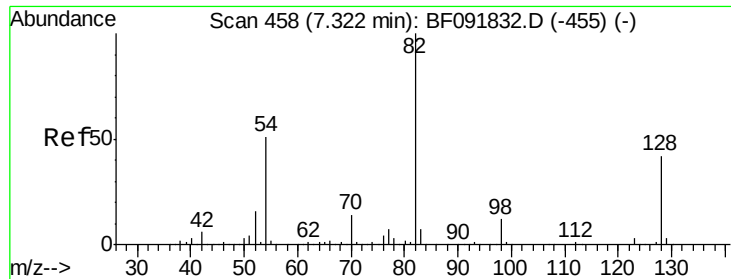
Tgt Ion: 70 Resp: 178790  
Ion Ratio Lower Upper  
70 100  
42 48.4 49.4 74.0#  
101 0.0 7.4 11.2#  
130 2.1 14.2 21.4#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.02 min Scan# 519  
Delta R.T. -0.02 min  
Lab File: BF091832.D  
Acq: 27 Dec 2016 22:28

Tgt Ion: 136 Resp: 902373  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.4 12.6  
54 6.7 4.5 6.7#  
68 5.5 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 83.15 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.02 min

Lab File: BF091832.D

Acq: 27 Dec 2016 22:28

Instrument :

BNA\_F

ClientSampleId :

LIP-16

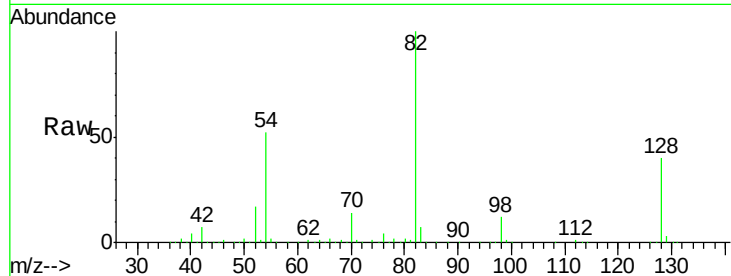
Tgt Ion: 82 Resp: 1349331

Ion Ratio Lower Upper

82 100

128 40.1 34.6 52.0

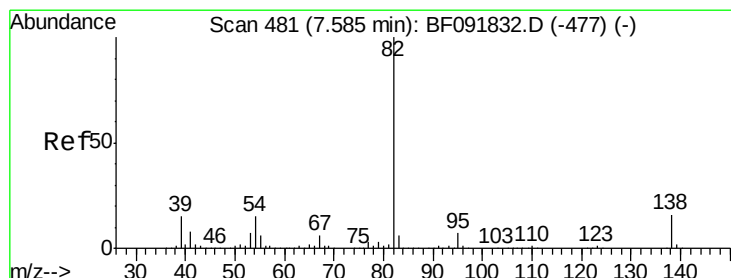
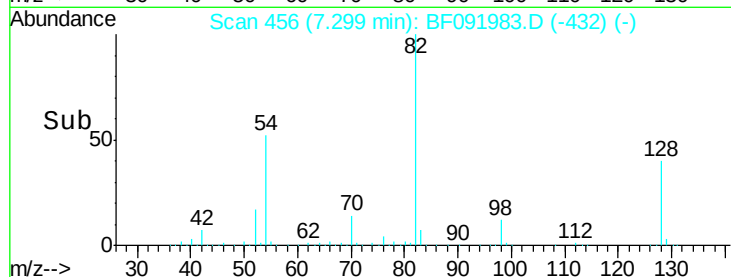
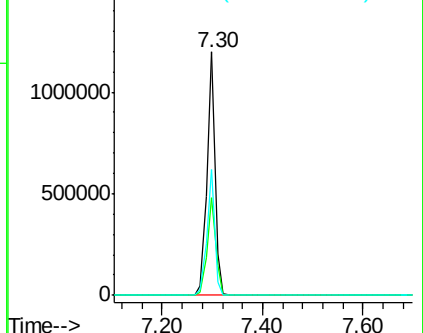
54 51.5 39.5 59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 32.80 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.29 min

Lab File: BF091832.D

Acq: 27 Dec 2016 22:28

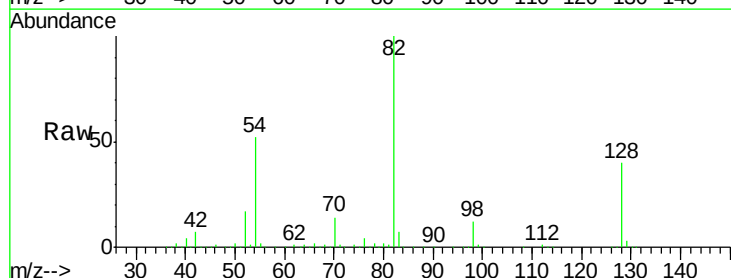
Tgt Ion: 82 Resp: 982114

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

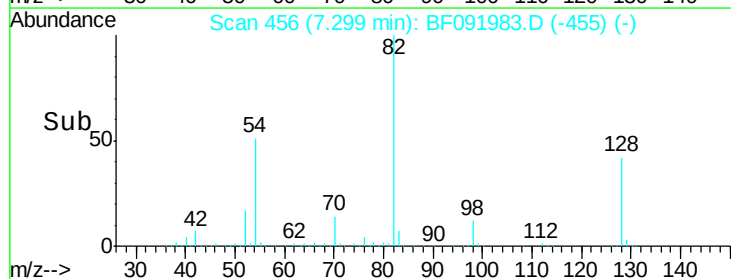
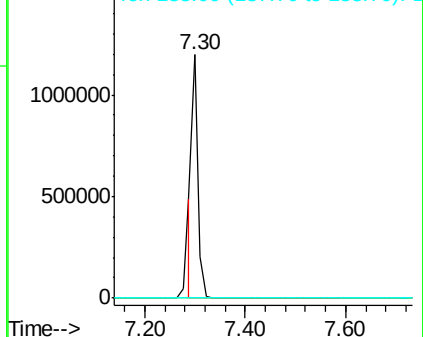
138 0.0 14.6 22.0#

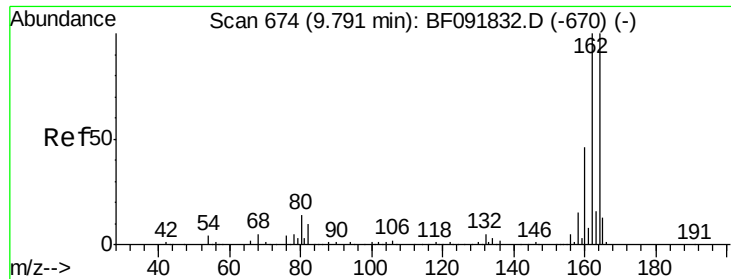


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

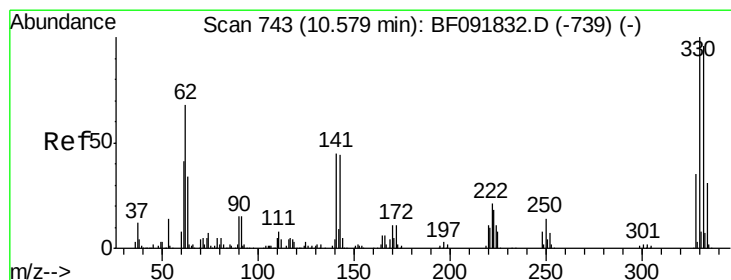
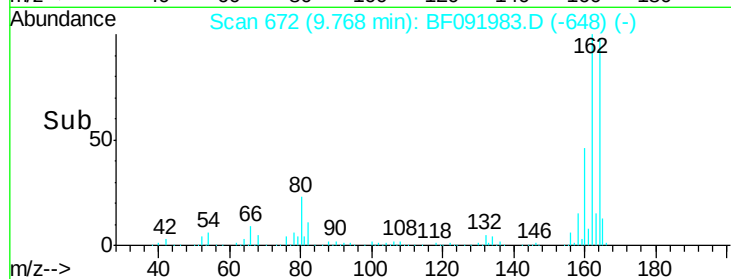
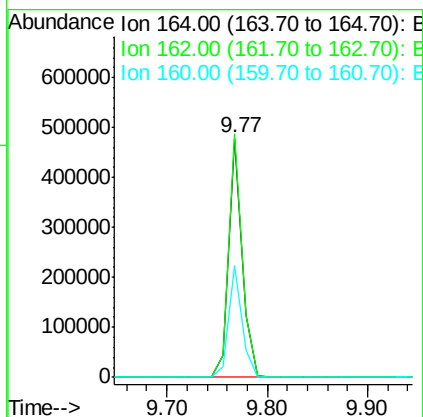
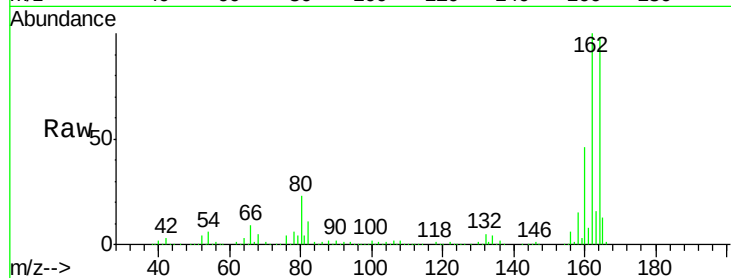




#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.77 min Scan# 672  
Delta R.T. -0.02 min  
Lab File: BF091983.D  
Acq: 27 Dec 2016 22:28

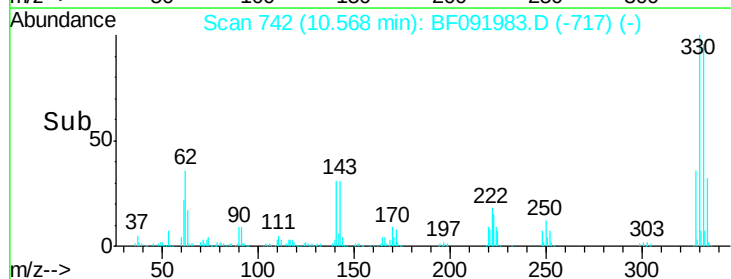
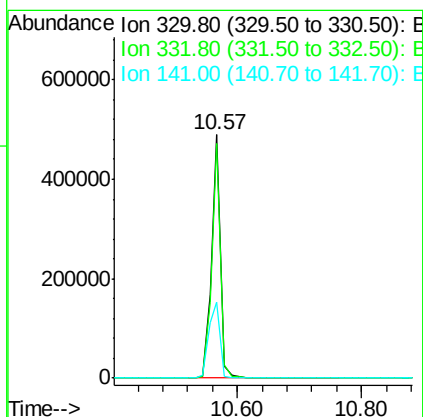
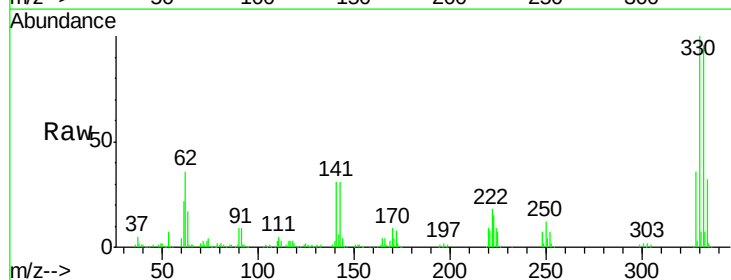
Instrument :  
BNA\_F  
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LIP-16

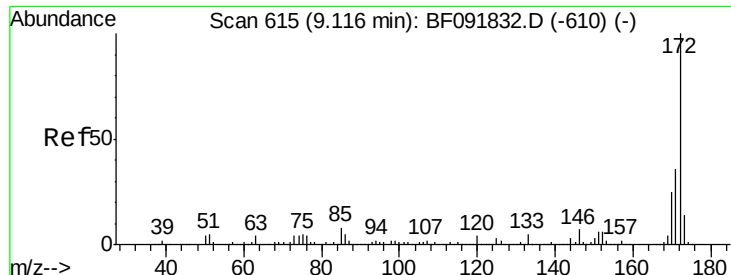
Tgt Ion:164 Resp: 449288  
Ion Ratio Lower Upper  
164 100  
162 101.8 80.2 120.2  
160 46.7 36.9 55.3



#41  
2,4,6-Tribromophenol  
Concen: 130.41 ng  
RT: 10.57 min Scan# 742  
Delta R.T. -0.01 min  
Lab File: BF091983.D  
Acq: 27 Dec 2016 22:28

Tgt Ion:330 Resp: 484872  
Ion Ratio Lower Upper  
330 100  
332 94.6 77.4 116.2  
141 39.5 34.1 51.1

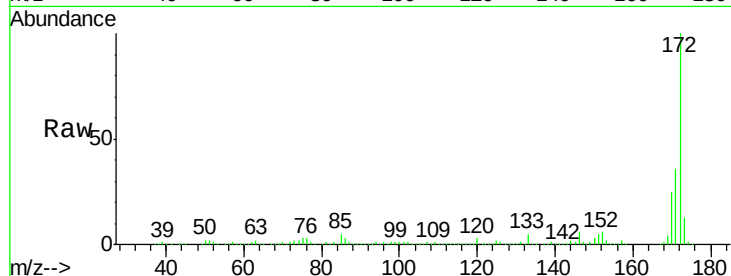




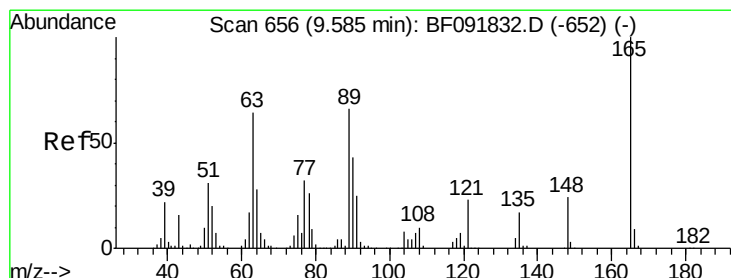
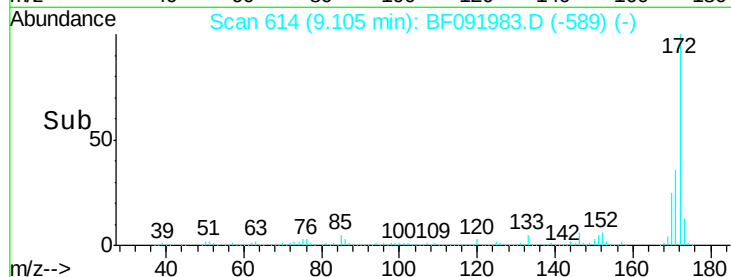
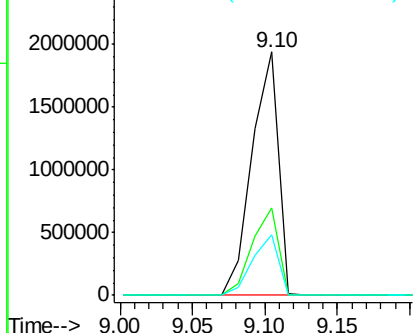
#44  
 2-Fluorobiphenyl  
 Concen: 116.90 ng  
 RT: 9.10 min Scan# 614  
 Delta R.T. -0.01 min  
 Lab File: BF091983.D  
 Acq: 27 Dec 2016 22:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LIP-16

Tgt Ion:172 Resp: 2457269  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.4 44.0  
 170 24.7 20.2 30.4

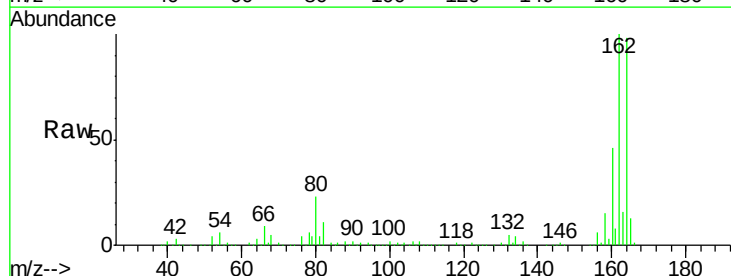


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

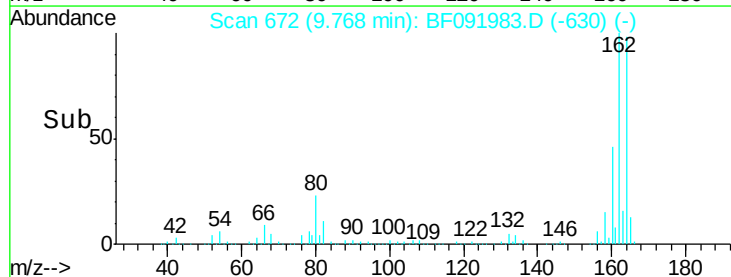
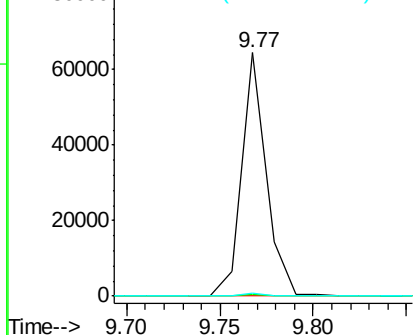


#50  
 2,6-Dinitrotoluene  
 Concen: 9.39 ng  
 RT: 9.77 min Scan# 672  
 Delta R.T. 0.18 min  
 Lab File: BF091983.D  
 Acq: 27 Dec 2016 22:28

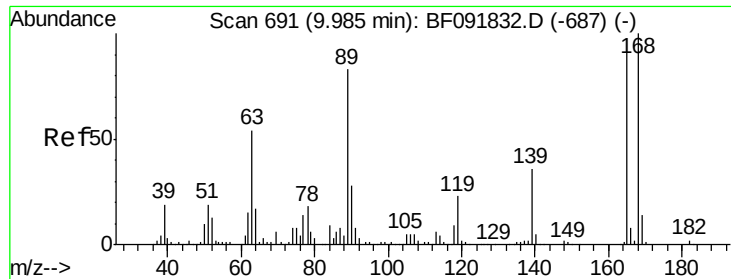
Tgt Ion:165 Resp: 59030  
 Ion Ratio Lower Upper  
 165 100  
 63 0.8 36.2 54.4#  
 89 1.0 40.2 60.4#



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



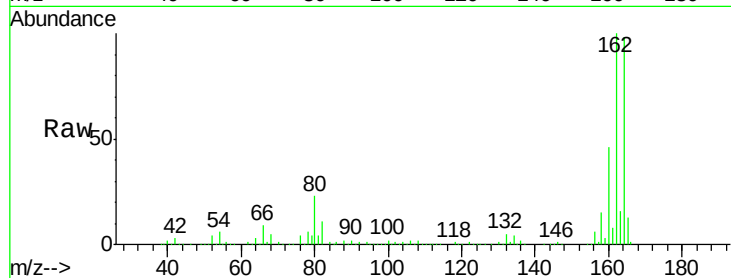




#56  
 2,4-Dinitrotoluene  
 Concen: 7.48 ng  
 RT: 9.77 min Scan# 672  
 Delta R.T. -0.22 min  
 Lab File: BF091983.D  
 Acq: 27 Dec 2016 22:28

Instrument :  
 BNA\_F  
 ClientSampled :  
 LIP-16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 59020 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 0.8   | 40.2  | 60.4# |
| 89       | 1.0   | 62.5  | 93.7# |
| 182      | 0.0   | 1.8   | 2.8#  |

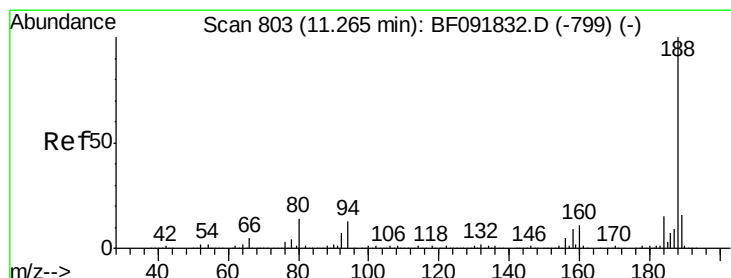
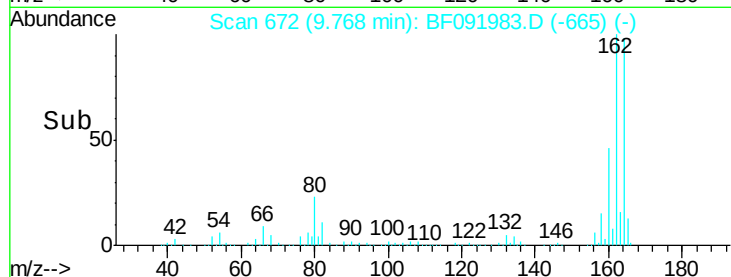
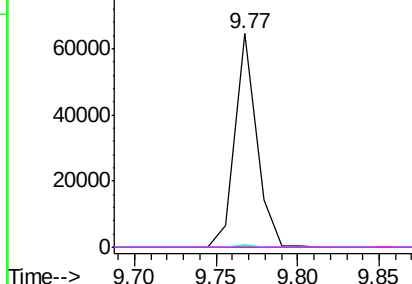


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

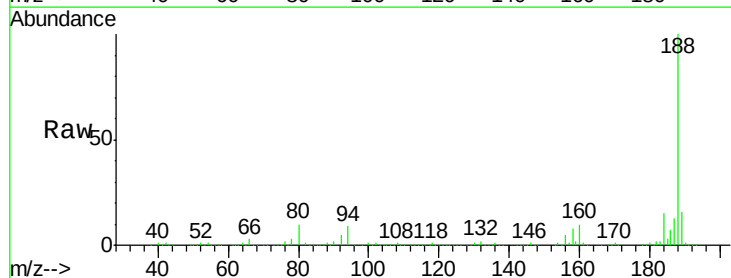
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.25 min Scan# 802  
 Delta R.T. -0.01 min  
 Lab File: BF091983.D  
 Acq: 27 Dec 2016 22:28

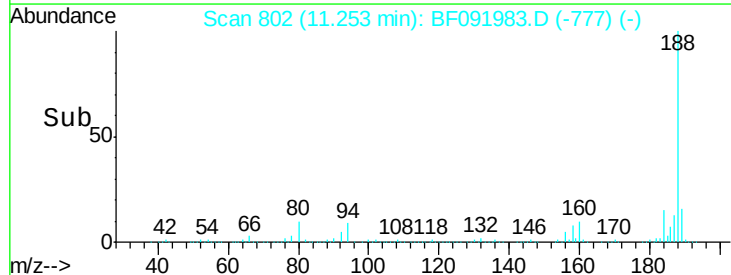
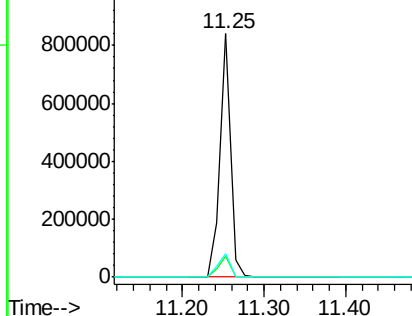
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 756468 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 8.6   | 10.0  | 15.0#  |
| 80       | 9.5   | 11.2  | 16.8#  |

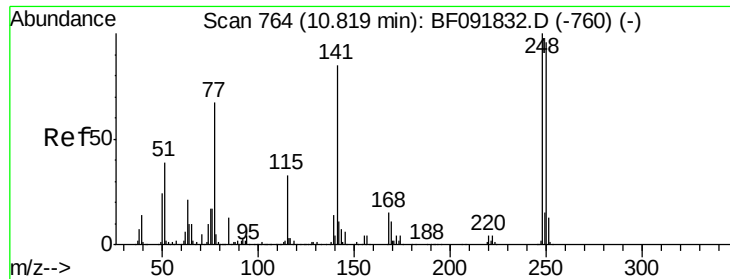


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

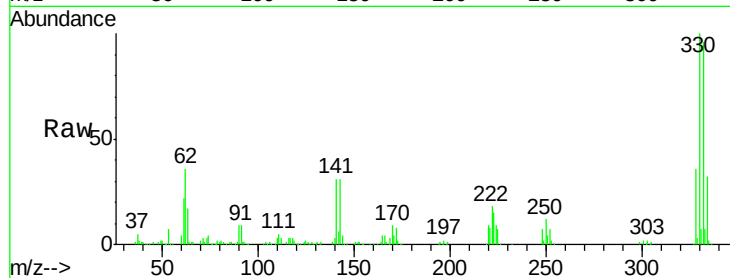




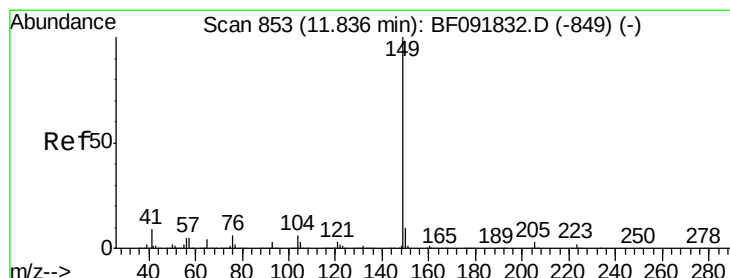
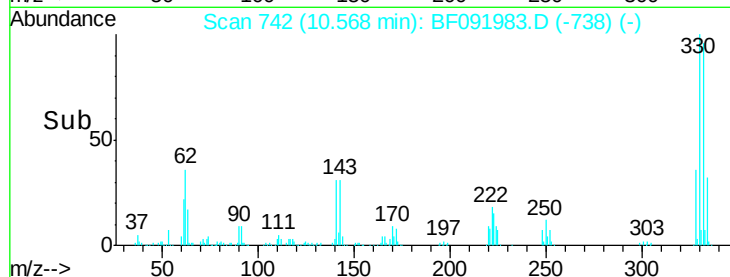
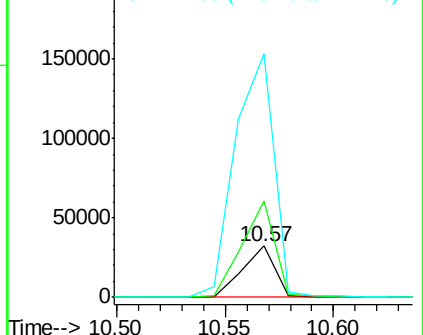
#66  
 4-Bromophenyl-phenylether  
 Concen: 4.19 ng  
 RT: 10.57 min Scan# 742  
 Delta R.T. -0.25 min  
 Lab File: BF091832.D  
 Acq: 27 Dec 2016 22:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LIP-16

Tgt Ion:248 Resp: 33006  
 Ion Ratio Lower Upper  
 248 100  
 250 188.5 76.9 115.3#  
 141 475.0 68.2 102.4#

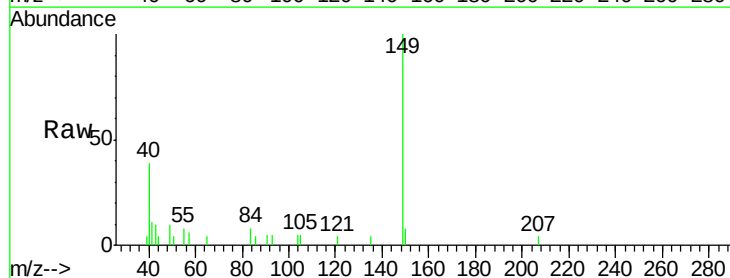


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

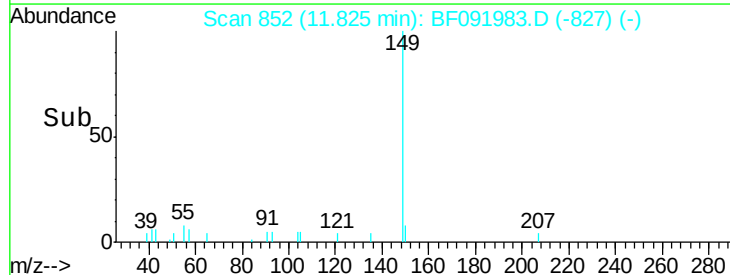
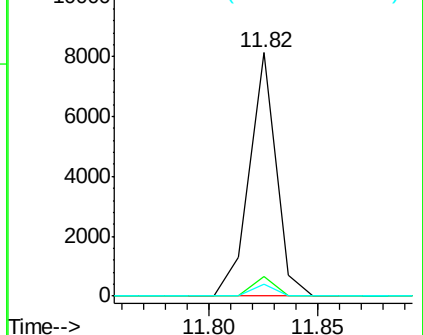


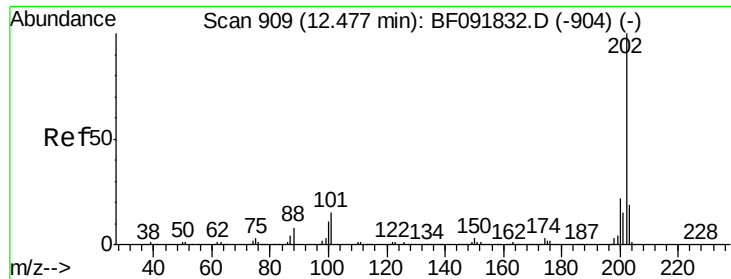
#73  
 Di-n-butylphthalate  
 Concen: Below Cal  
 RT: 11.82 min Scan# 852  
 Delta R.T. -0.01 min  
 Lab File: BF091832.D  
 Acq: 27 Dec 2016 22:28

Tgt Ion:149 Resp: 6969  
 Ion Ratio Lower Upper  
 149 100  
 150 8.0 8.1 12.1#  
 104 4.9 4.6 7.0



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 104.00 (103.70 to 104.70): E

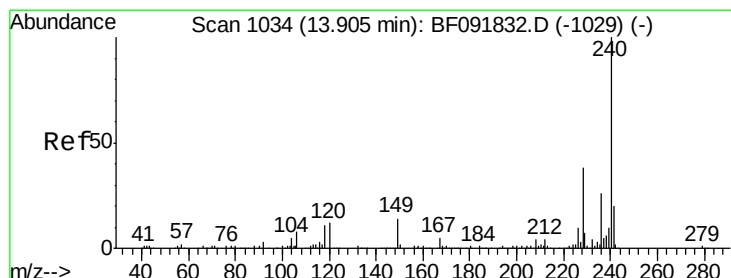
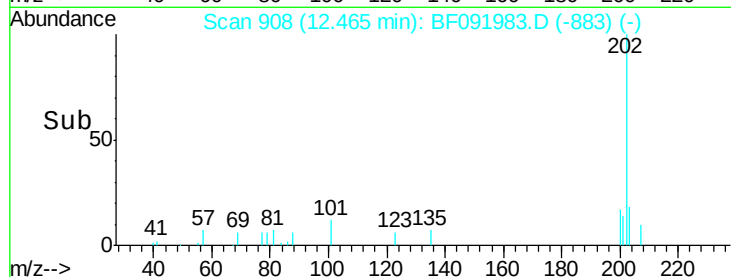
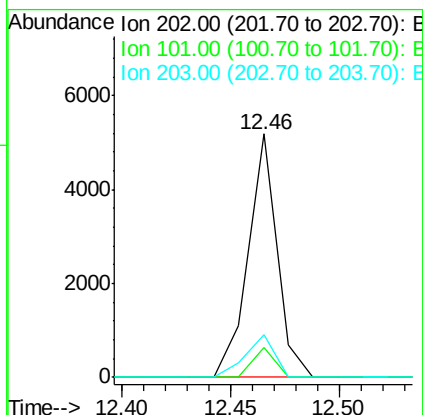
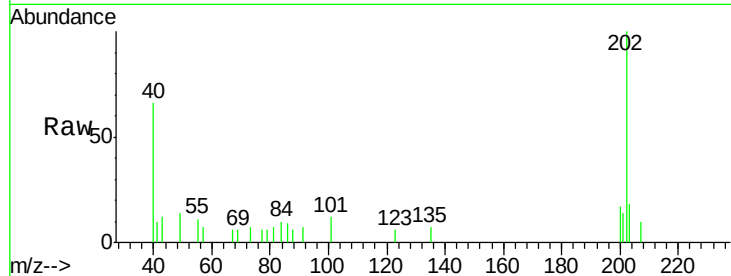




#74  
Fluoranthene  
Concen: Below Cal  
RT: 12.46 min Scan# 908  
Delta R.T. -0.01 min  
Lab File: BF091832.D  
Acq: 27 Dec 2016 22:28

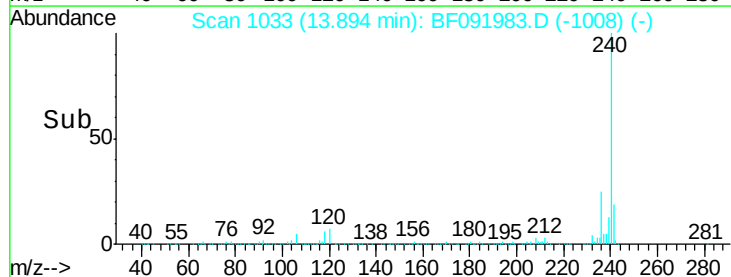
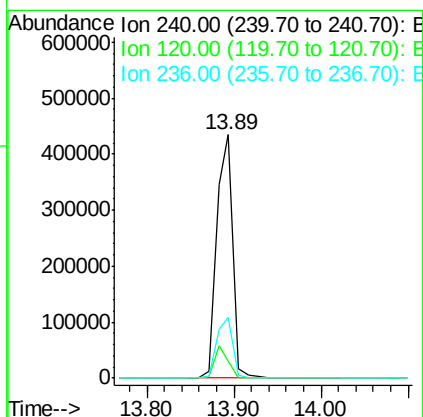
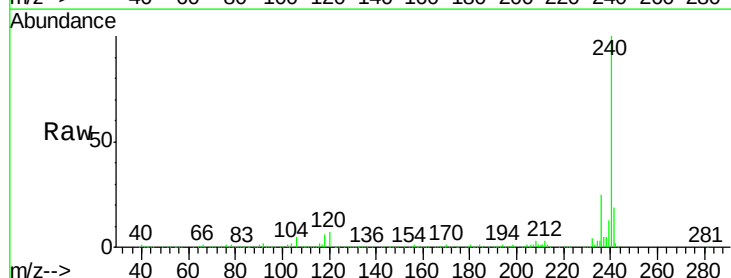
Instrument :  
BNA\_F  
ClientSampleId :  
LIP-16

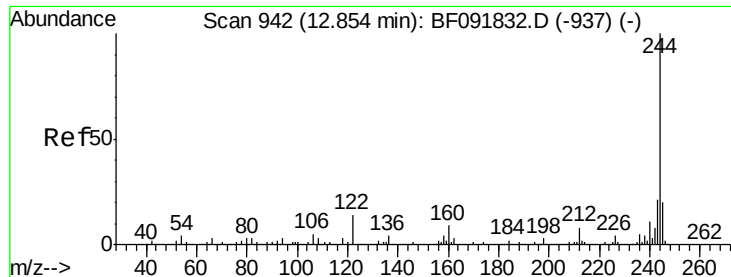
Tgt Ion: 202 Resp: 4770  
Ion Ratio Lower Upper  
202 100  
101 12.3 0.0 34.6  
203 17.7 0.0 38.7



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.89 min Scan# 1033  
Delta R.T. -0.01 min  
Lab File: BF091832.D  
Acq: 27 Dec 2016 22:28

Tgt Ion: 240 Resp: 564585  
Ion Ratio Lower Upper  
240 100  
120 7.1 12.9 19.3#  
236 24.7 20.9 31.3

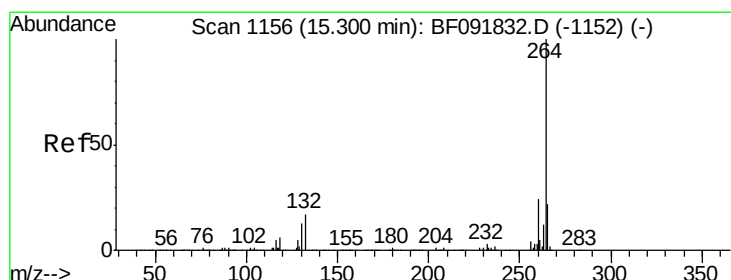
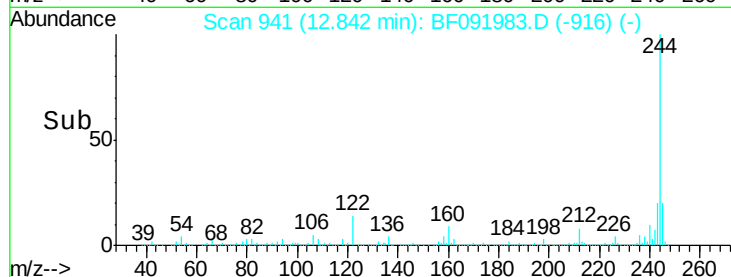
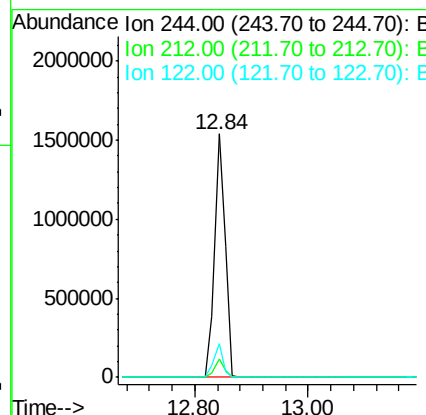
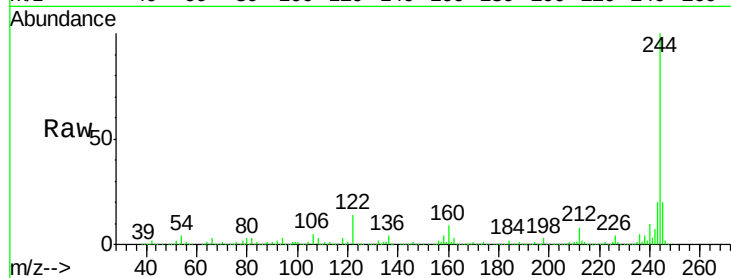




#78  
 Terphenyl-d14  
 Concen: 82.16 ng  
 RT: 12.84 min Scan# 941  
 Delta R.T. -0.01 min  
 Lab File: BF091983.D  
 Acq: 27 Dec 2016 22:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LIP-16

Tgt Ion:244 Resp: 1912655  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 6.2 9.2  
 122 13.8 11.4 17.2



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.29 min Scan# 1155  
 Delta R.T. -0.01 min  
 Lab File: BF091983.D  
 Acq: 27 Dec 2016 22:28

Tgt Ion:264 Resp: 431907  
 Ion Ratio Lower Upper  
 264 100  
 260 23.1 19.2 28.8  
 265 21.6 17.4 26.0

