

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120716\  
 Data File : BF091482.D  
 Acq On : 7 Dec 2016 21:11  
 Operator : UM/SJ  
 Sample : H5906-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-BPM-01-B2A-B3A-B4A-B5A

Quant Time: Dec 08 01:02:38 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 08 00:35:13 2016  
 Response via : Initial Calibration

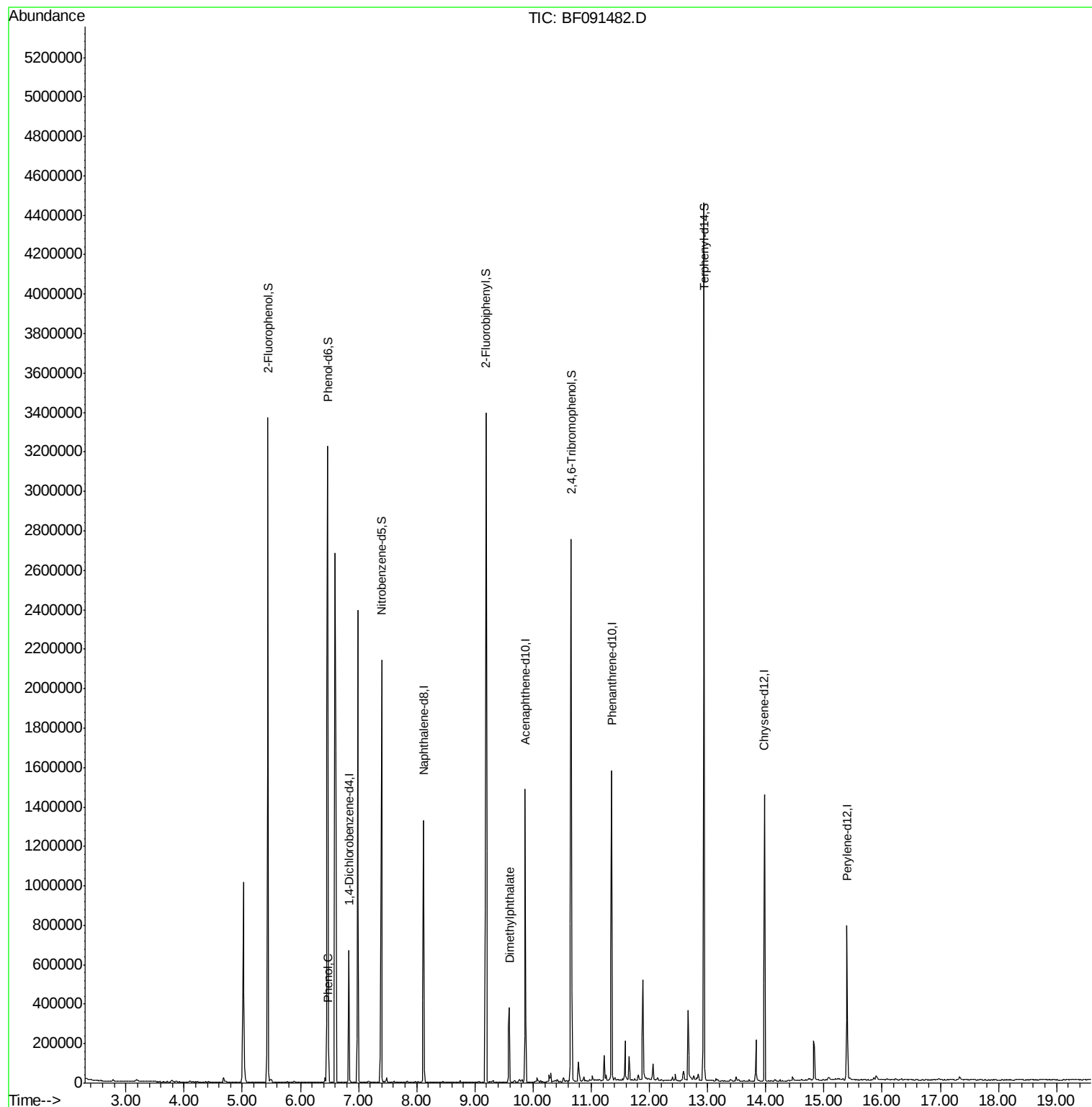
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.84  | 152  | 142525   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.12  | 136  | 603607   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.86  | 164  | 343865   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.35 | 188  | 663053   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.98 | 240  | 546702   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.40 | 264  | 369966   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.44  | 112  | 882756   | 101.18 | ng    | 0.01     |
| 7) Phenol-d6                | 6.47  | 99   | 1179111  | 109.79 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 746578   | 69.31  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.65 | 330  | 351866   | 108.09 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.19  | 172  | 1300745  | 68.49  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.94 | 244  | 1588947  | 63.17  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.48  | 94   | 49871    | 3.95   | ng    | 81       |
| 49) Dimethylphthalate       | 9.59  | 163  | 214400   | 10.30  | ng    | 99       |

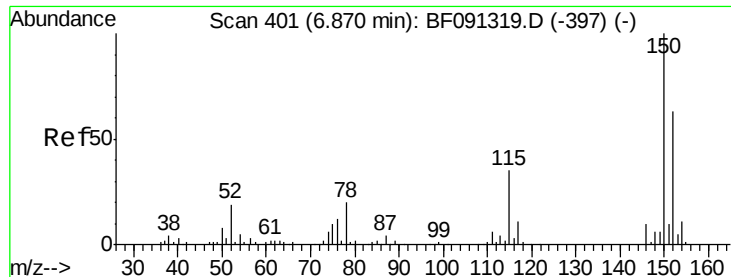
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120716\  
Data File : BF091482.D  
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Operator : UM/SJ  
Sample : H5906-01  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
FK-BPM-01-B2A-B3A-B4A-B5A

Quant Time: Dec 08 01:02:38 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 08 00:35:13 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 398

Delta R.T. 0.00 min

Lab File: BF091482.D

Acq: 7 Dec 2016 21:11

Instrument :

BNA\_F

ClientSampleId :

FK-BPM-01-B2A-B3A-B4A-B5A

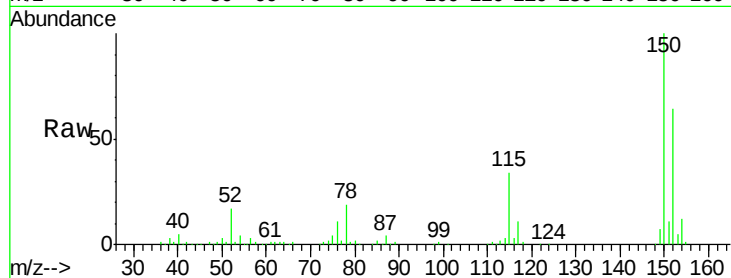
Tot Ion:152 Resp: 142525

Ion Ratio Lower Upper

152 100

150 157.5 122.5 183.7

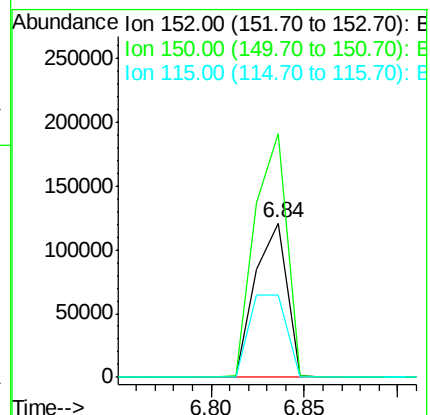
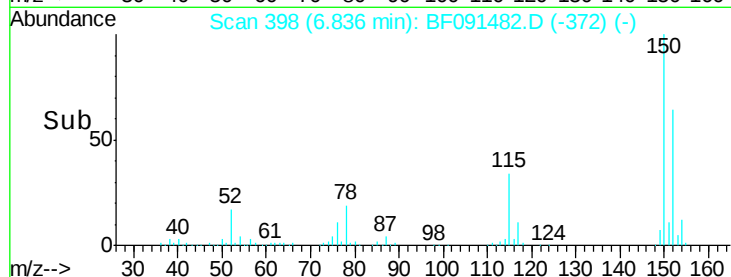
115 52.9 51.8 77.8



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: 101.18 ng

RT: 5.44 min Scan# 276

Delta R.T. 0.01 min

Lab File: BF091482.D

Acq: 7 Dec 2016 21:11

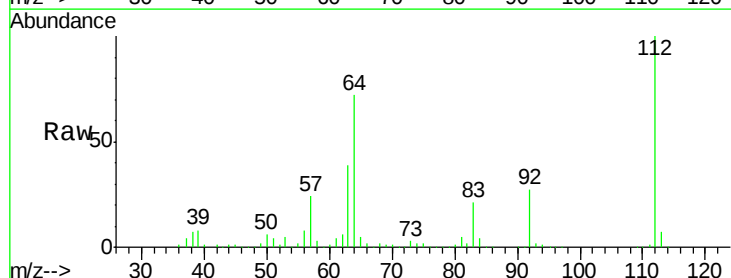
Tgt Ion:112 Resp: 882756

Ion Ratio Lower Upper

112 100

64 71.6 61.5 92.3

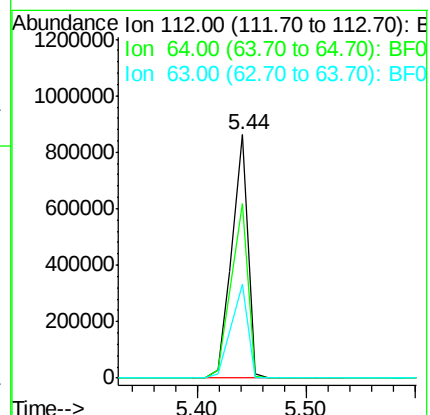
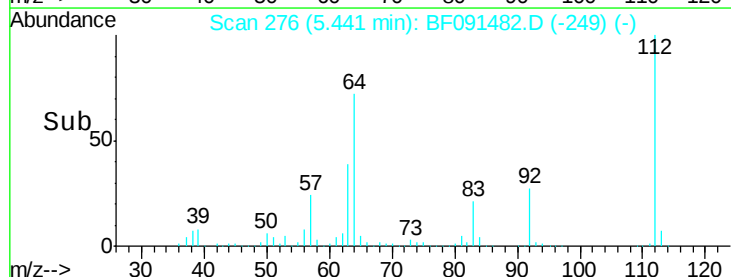
63 38.5 33.3 49.9

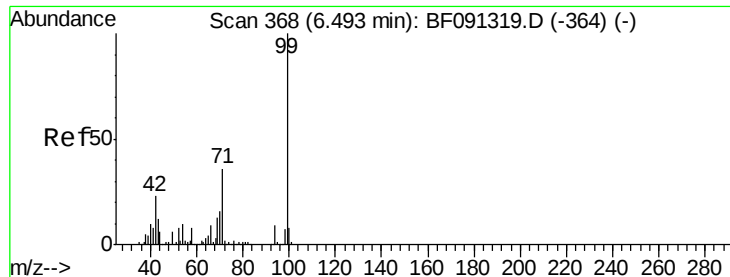


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 109.79 ng

RT: 6.47 min Scan# 366

Delta R.T. 0.00 min

Lab File: BF091482.D

Acq: 7 Dec 2016 21:11

Instrument :

BNA\_F

ClientSampleId :

FK-BPM-01-B2A-B3A-B4A-B5A

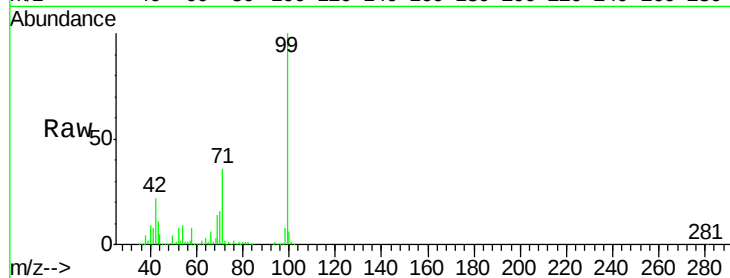
Tot Ion: 99 Resp: 1179111

Ion Ratio Lower Upper

99 100

42 21.7 20.6 31.0

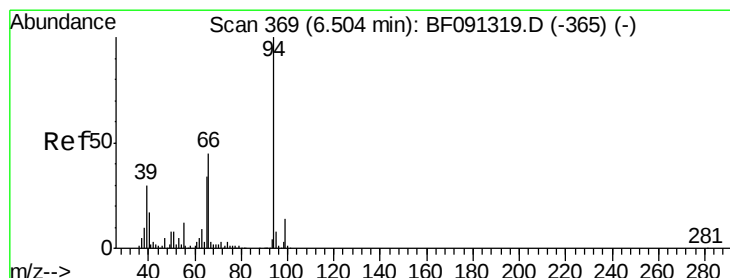
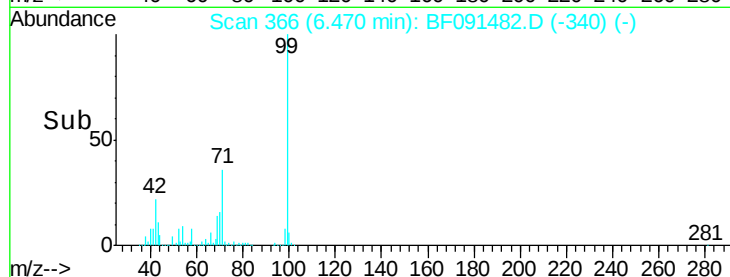
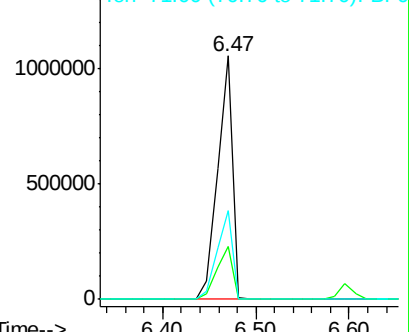
71 36.4 29.9 44.9



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



#10

Phenol

Concen: 3.95 ng

RT: 6.48 min Scan# 367

Delta R.T. 0.00 min

Lab File: BF091482.D

Acq: 7 Dec 2016 21:11

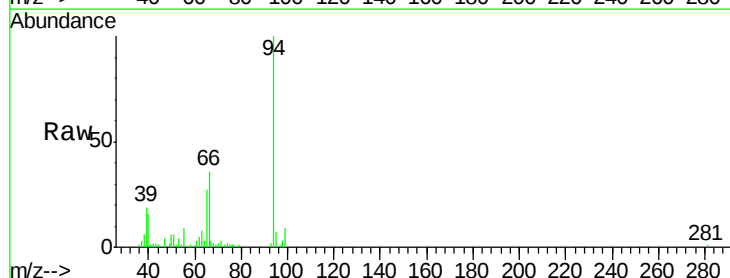
Tgt Ion: 94 Resp: 49871

Ion Ratio Lower Upper

94 100

65 27.0 16.9 56.9

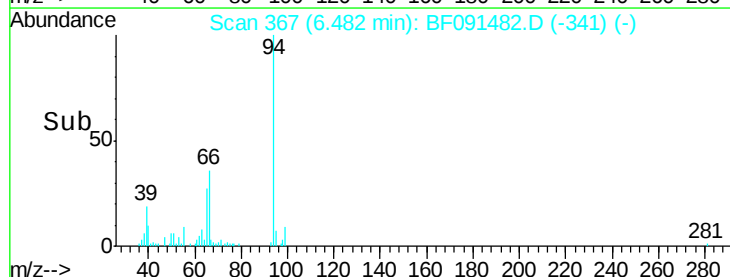
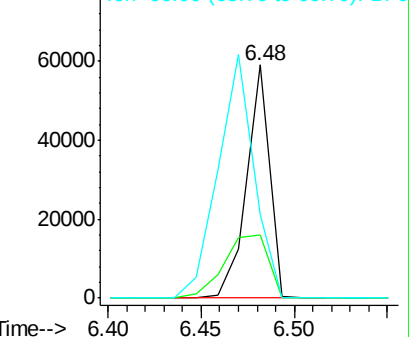
66 35.8 30.6 70.6



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

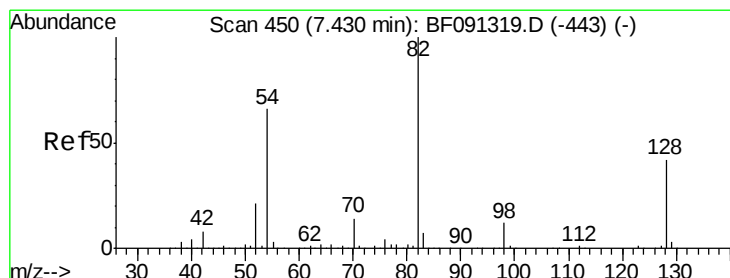
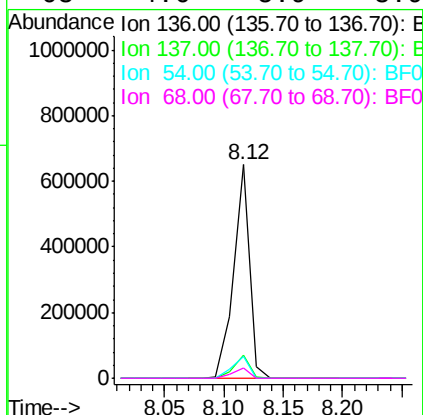
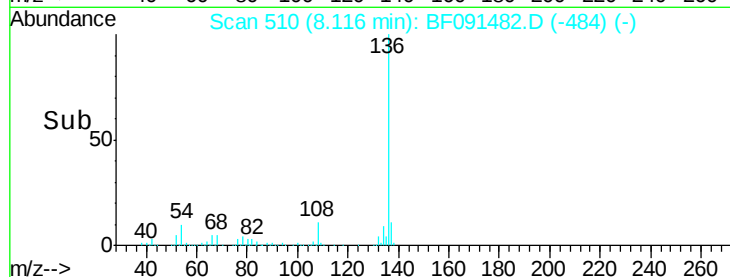
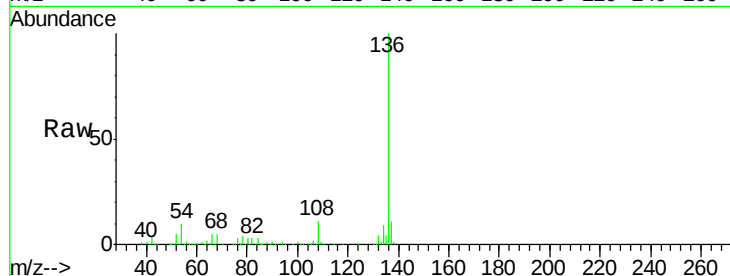




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.12 min Scan# 510  
Delta R.T. 0.00 min  
Lab File: BF091482.D  
Acq: 7 Dec 2016 21:11

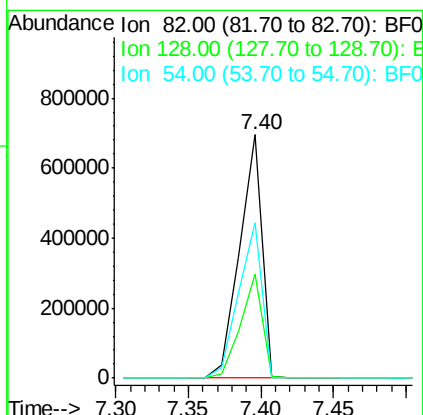
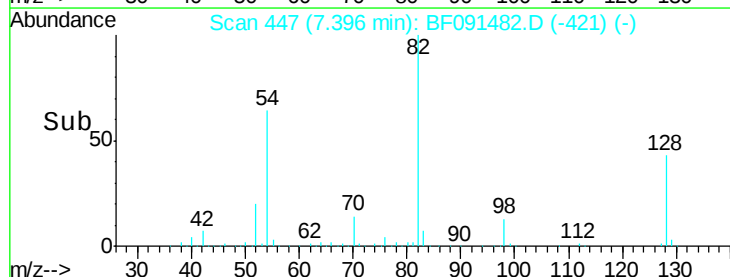
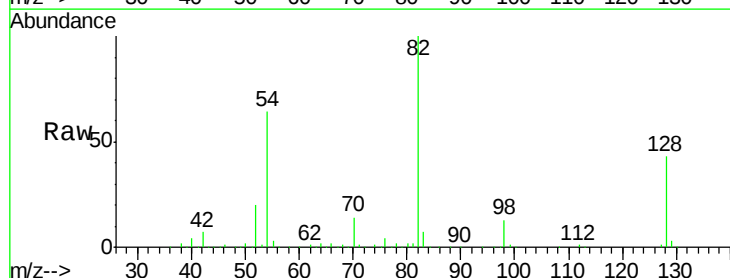
Instrument :  
BNA\_F  
ClientSampleId :  
FK-BPM-01-B2A-B3A-B4A-B5A

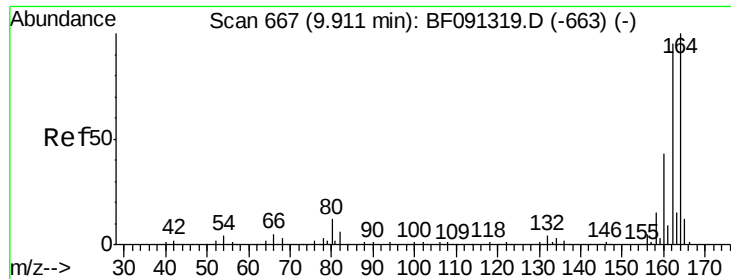
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 603607   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.9  | 9.1 13.7 |
| 54          | 10.2  | 9.1 13.7 |
| 68          | 4.6   | 5.9 8.9# |



#23  
Nitrobenzene-d5  
Concen: 69.31 ng  
RT: 7.40 min Scan# 447  
Delta R.T. 0.00 min  
Lab File: BF091482.D  
Acq: 7 Dec 2016 21:11

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 746578    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 42.8  | 31.8 47.6 |
| 54          | 63.8  | 49.1 73.7 |

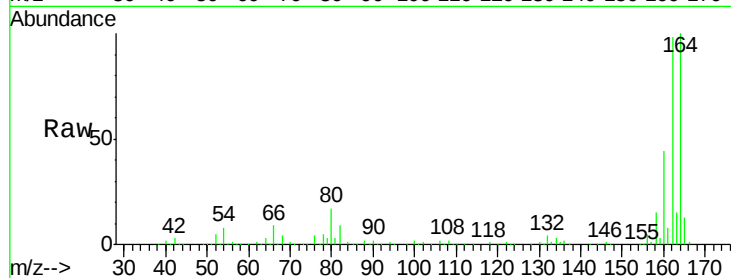




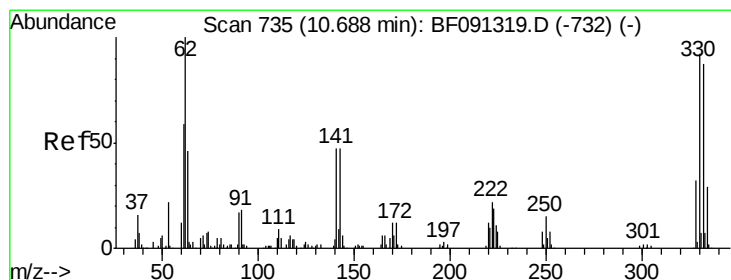
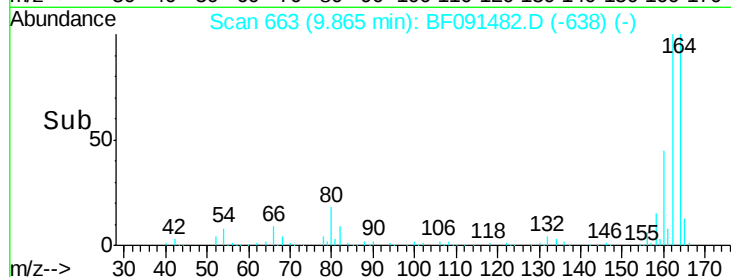
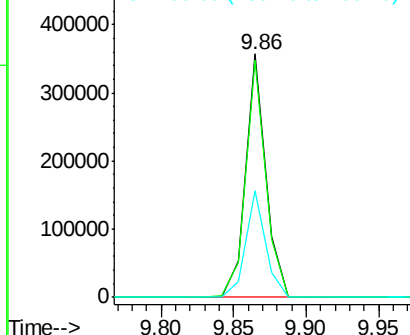
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.86 min Scan# 663  
Delta R.T. -0.01 min  
Lab File: BF091482.D  
Acq: 7 Dec 2016 21:11

Instrument :  
BNA\_F  
ClientSampleId :  
FK-BPM-01-B2A-B3A-B4A-B5A

Tot Ion:164 Resp: 343865  
Ion Ratio Lower Upper  
164 100  
162 97.7 82.6 124.0  
160 43.9 36.7 55.1

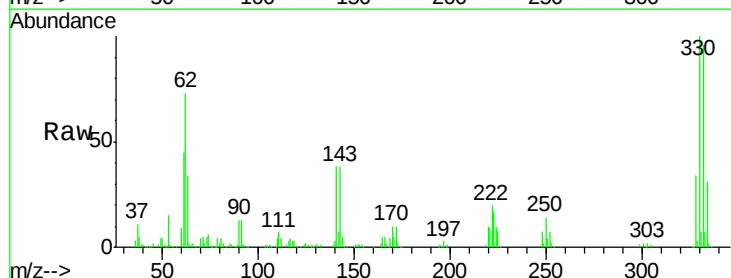


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

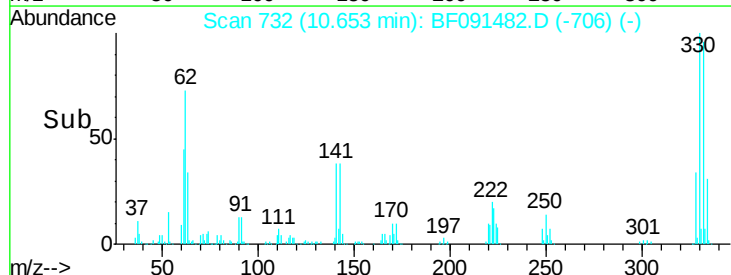
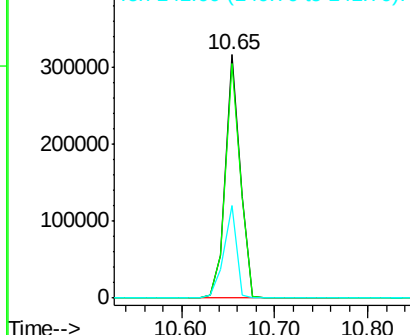


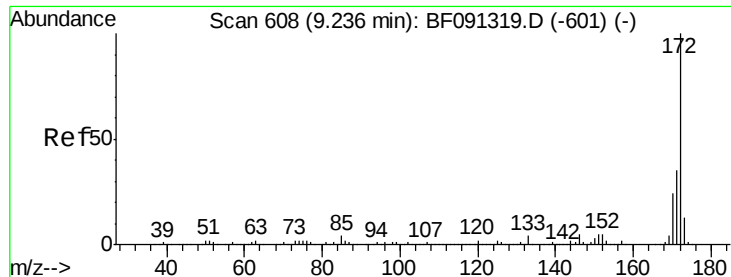
#41  
2,4,6-Tribromophenol  
Concen: 108.09 ng  
RT: 10.65 min Scan# 732  
Delta R.T. 0.00 min  
Lab File: BF091482.D  
Acq: 7 Dec 2016 21:11

Tgt Ion:330 Resp: 351866  
Ion Ratio Lower Upper  
330 100  
332 97.4 76.2 114.4  
141 32.4 33.6 50.4#



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

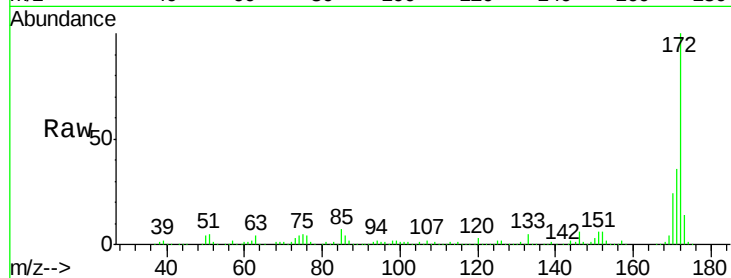




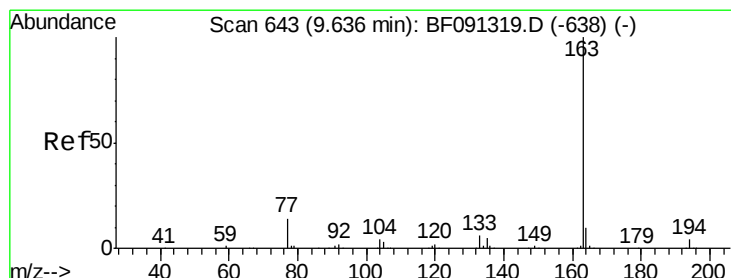
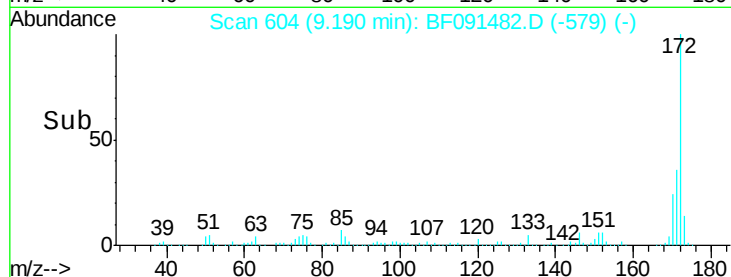
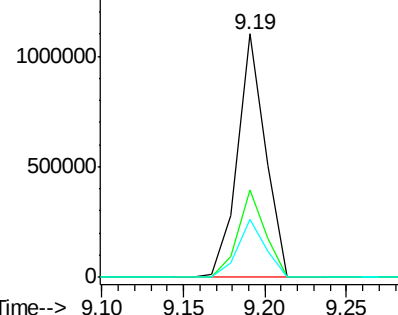
#44  
2-Fluorobiphenyl  
Concen: 68.49 ng  
RT: 9.19 min Scan# 604  
Delta R.T. -0.01 min  
Lab File: BF091482.D  
Acq: 7 Dec 2016 21:11

Instrument :  
BNA\_F  
ClientSampleId :  
FK-BPM-01-B2A-B3A-B4A-B5A

Tot Ion:172 Resp: 1300745  
Ion Ratio Lower Upper  
172 100  
171 35.9 29.4 44.0  
170 23.8 19.7 29.5

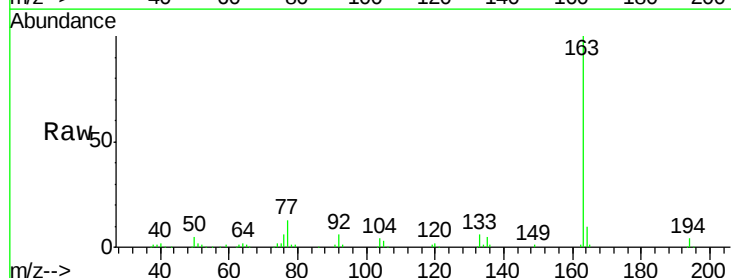


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

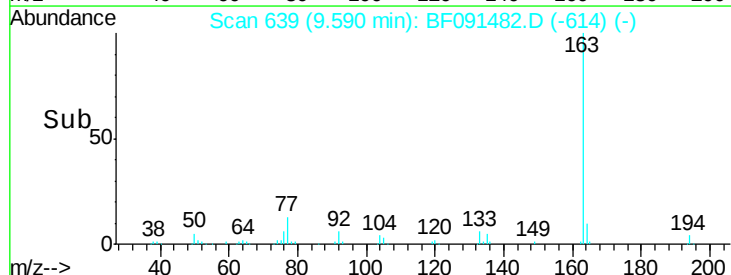
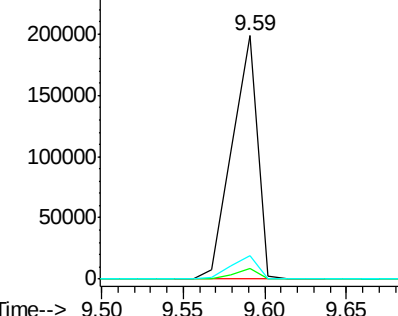


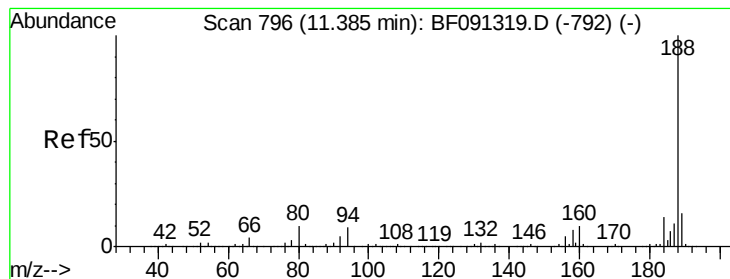
#49  
Dimethylphthalate  
Concen: 10.30 ng  
RT: 9.59 min Scan# 639  
Delta R.T. -0.01 min  
Lab File: BF091482.D  
Acq: 7 Dec 2016 21:11

Tgt Ion:163 Resp: 214400  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.0 4.4  
164 9.9 7.8 11.8



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: 11.35 min Scan# 793

Delta R.T. 0.00 min

Lab File: BF091482.D

Acq: 7 Dec 2016 21:11

Instrument :

BNA\_F

ClientSampleId :

FK-BPM-01-B2A-B3A-B4A-B5A

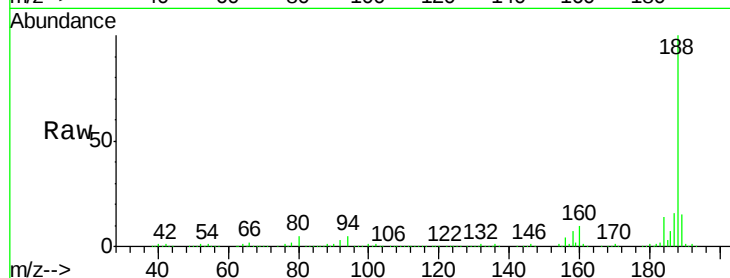
Tot Ion:188 Resp: 663053

Ion Ratio Lower Upper

188 100

94 5.3 9.2 13.8#

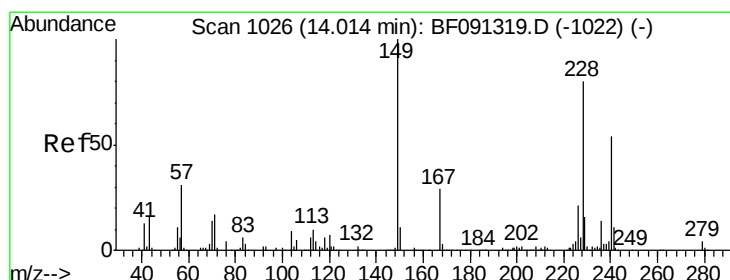
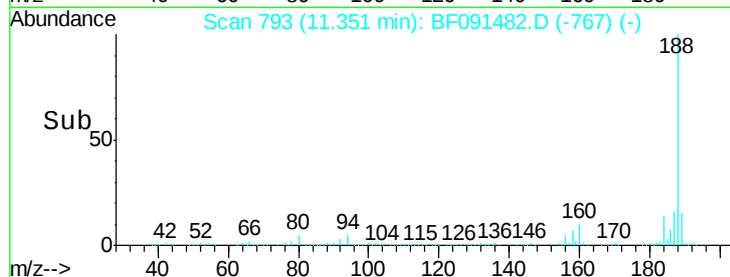
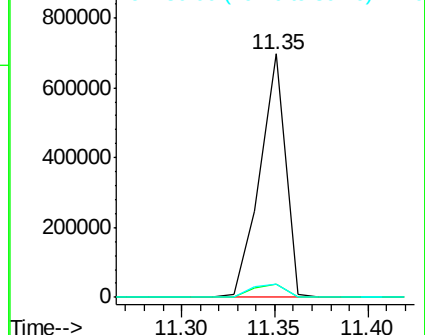
80 5.3 10.5 15.7#



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: 13.98 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF091482.D

Acq: 7 Dec 2016 21:11

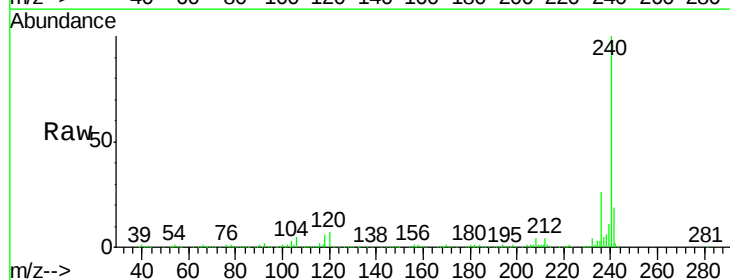
Tgt Ion:240 Resp: 546702

Ion Ratio Lower Upper

240 100

120 6.8 12.1 18.1#

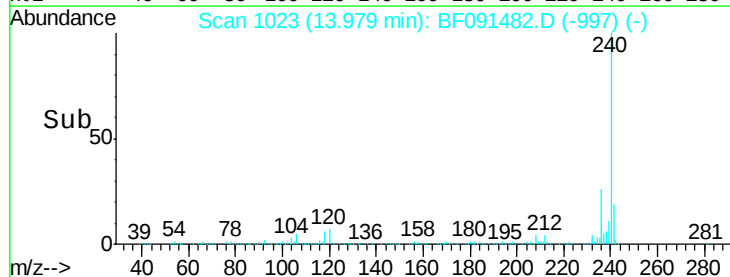
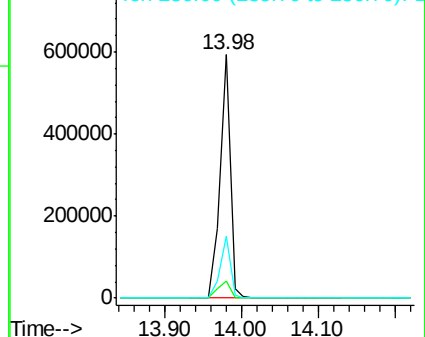
236 25.5 21.0 31.6

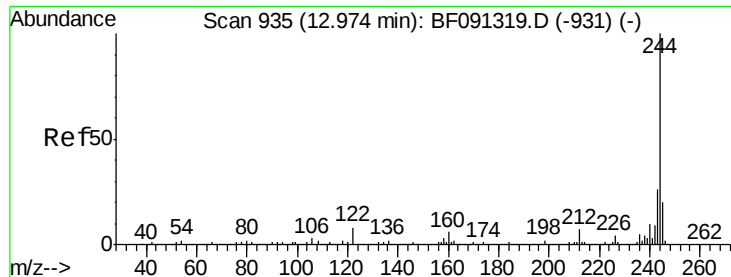


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 63.17 ng

RT: 12.94 min Scan# 932

Delta R.T. 0.00 min

Lab File: BF091482.D

Acq: 7 Dec 2016 21:11

Instrument :

BNA\_F

ClientSampleId :

FK-BPM-01-B2A-B3A-B4A-B5A

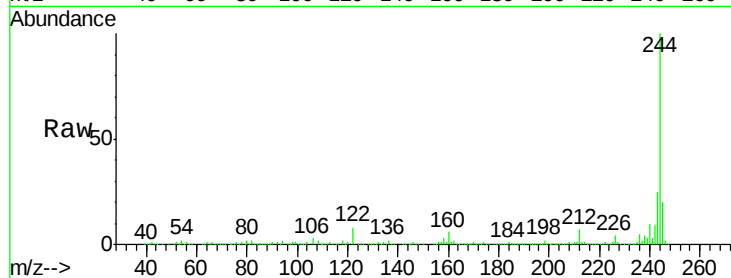
Tot Ion:244 Resp: 1588947

Ion Ratio Lower Upper

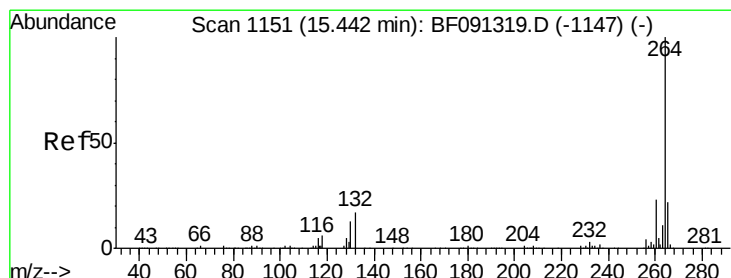
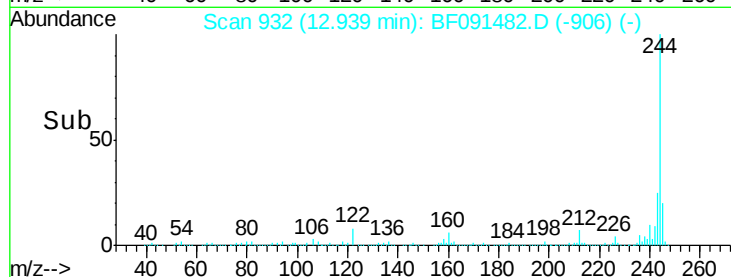
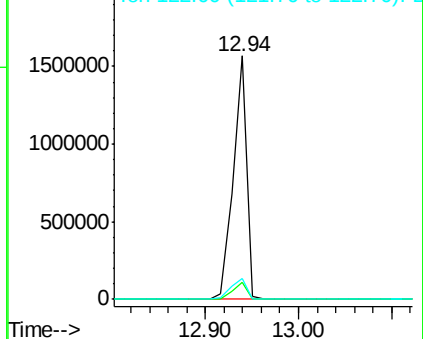
244 100

212 7.1 6.5 9.7

122 8.5 9.5 14.3#



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: 15.40 min Scan# 1147

Delta R.T. 0.00 min

Lab File: BF091482.D

Acq: 7 Dec 2016 21:11

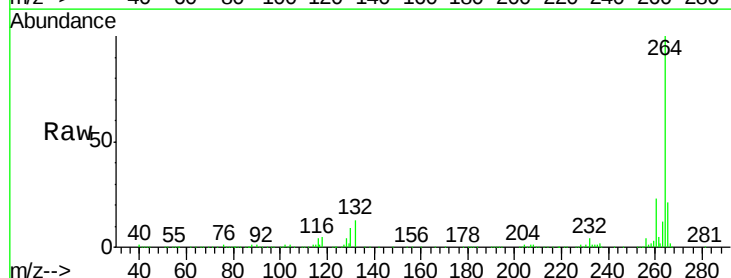
Tgt Ion:264 Resp: 369966

Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

265 21.0 17.0 25.6



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

