

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032816\  
 Data File : BF085824.D  
 Acq On : 29 Mar 2016 1:57  
 Operator : UM/SJ  
 Sample : H1978-02 10X  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NCB-083-CS-2(0-7FTBGS)

Quant Time: Mar 29 02:33:58 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 28 15:27:05 2016  
 Response via : Initial Calibration

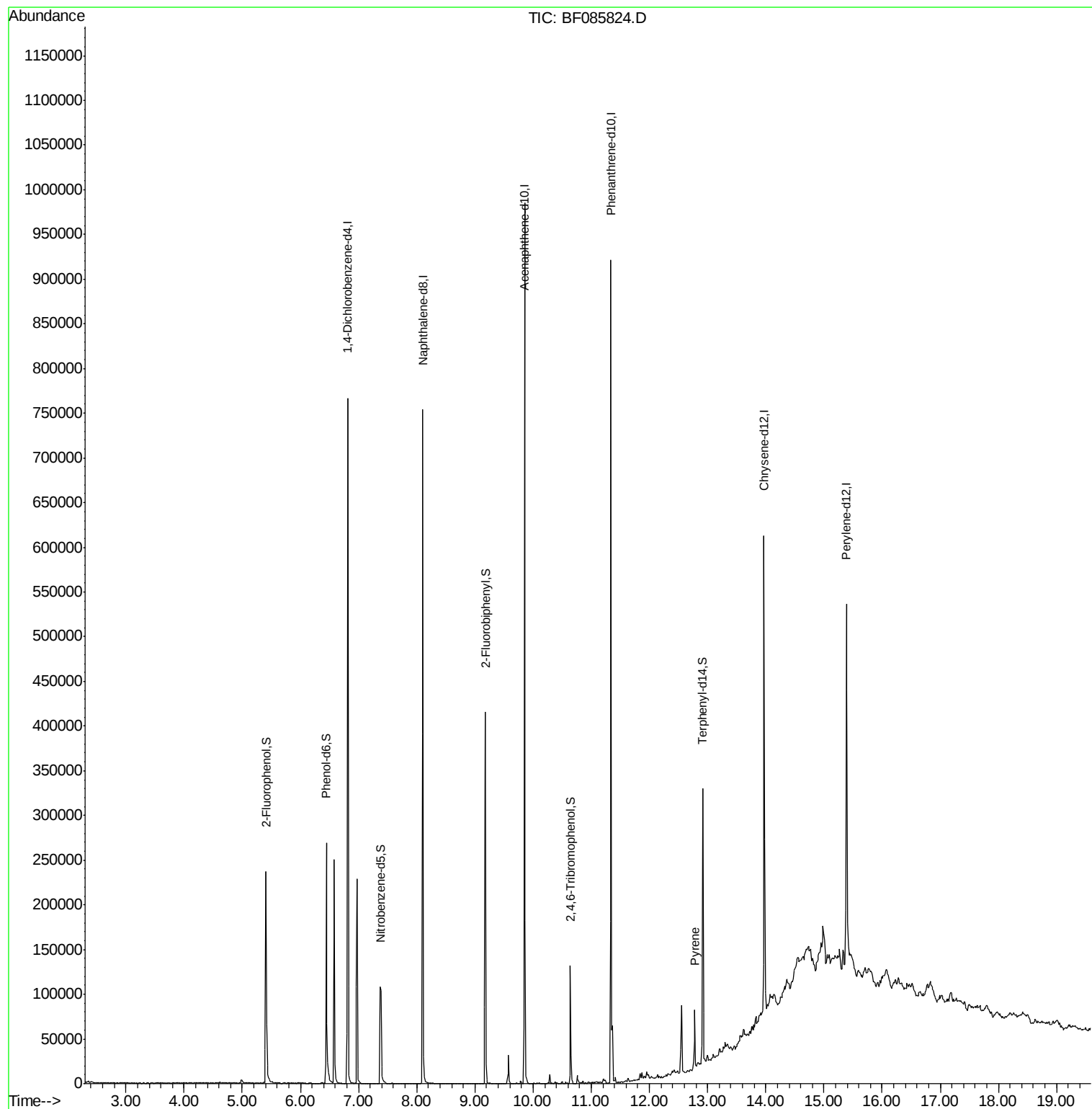
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|-------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.81  | 152  | 110313   | 20.00 | ng    | -0.01         |
| 21) Naphthalene-d8          | 8.10  | 136  | 420768   | 20.00 | ng    | -0.01         |
| 38) Acenaphthene-d10        | 9.85  | 164  | 183452   | 20.00 | ng    | -0.01         |
| 63) Phenanthrene-d10        | 11.34 | 188  | 322428   | 20.00 | ng    | -0.01         |
| 75) Chrysene-d12            | 13.97 | 240  | 182586   | 20.00 | ng    | -0.01         |
| 86) Perylene-d12            | 15.39 | 264  | 199389   | 20.00 | ng    | -0.01         |
| System Monitoring Compounds |       |      |          |       |       |               |
| 5) 2-Fluorophenol           | 5.41  | 112  | 89138    | 13.46 | ng    | 0.00          |
| 7) Phenol-d6                | 6.45  | 99   | 116436   | 13.83 | ng    | -0.01         |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 64620    | 8.65  | ng    | -0.02         |
| 41) 2,4,6-Tribromophenol    | 10.64 | 330  | 14883    | 8.54  | ng    | -0.01         |
| 44) 2-Fluorobiphenyl        | 9.18  | 172  | 131355   | 11.96 | ng    | -0.01         |
| 78) Terphenyl-d14           | 12.92 | 244  | 83723    | 9.43  | ng    | -0.01         |
| Target Compounds            |       |      |          |       |       |               |
| 77) Pyrene                  | 12.78 | 202  | 30448    | 2.03  | ng    | Qvalue<br>100 |

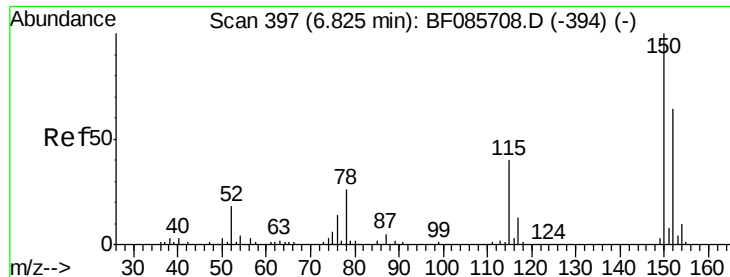
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF085824.D

Acq: 29 Mar 2016 1:57

Instrument :

BNA\_F

ClientSampleId :

NCB-083-CS-2(0-7FTBGS)

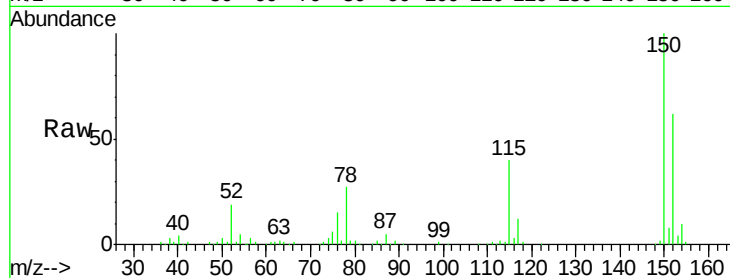
Tgt Ion:152 Resp: 110313

Ion Ratio Lower Upper

152 100

150 160.3 124.2 186.2

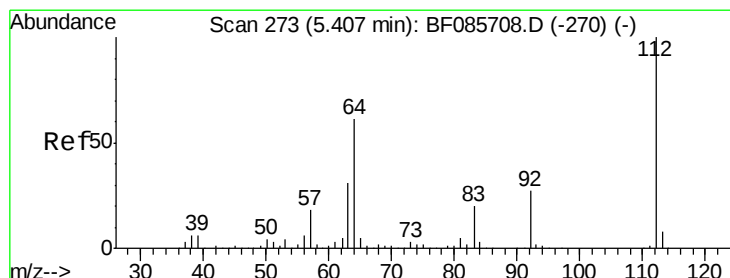
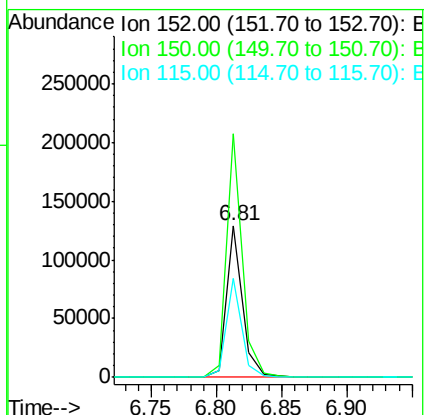
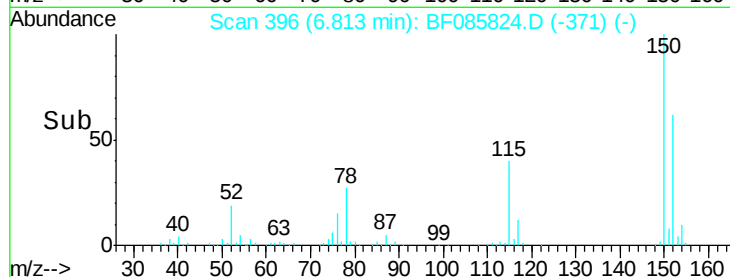
115 64.8 47.0 70.6



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



#5

2-Fluorophenol

Concen: 13.46 ng

RT: 5.41 min Scan# 273

Delta R.T. 0.00 min

Lab File: BF085824.D

Acq: 29 Mar 2016 1:57

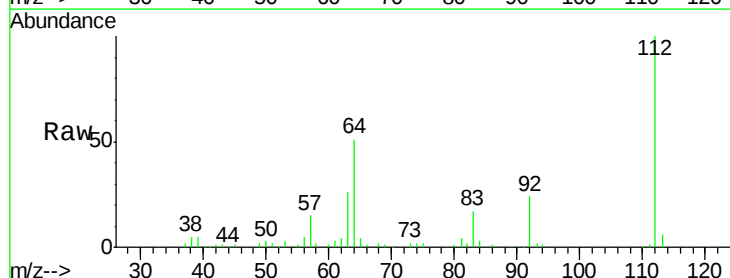
Tgt Ion:112 Resp: 89138

Ion Ratio Lower Upper

112 100

64 51.4 39.9 59.9

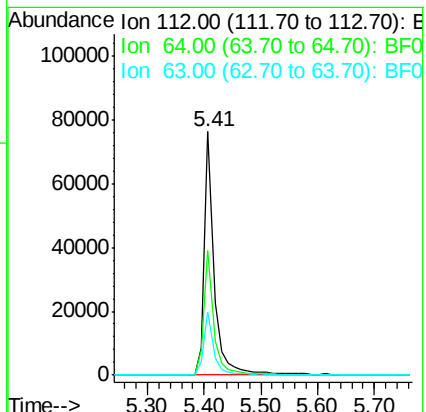
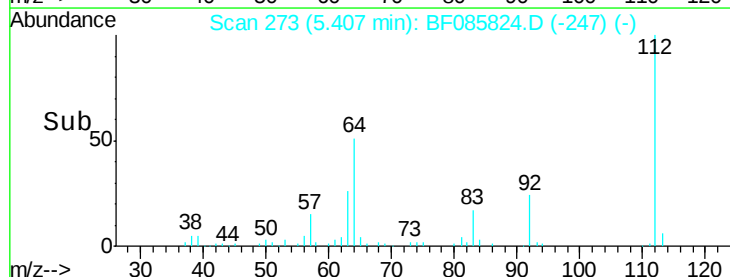
63 25.8 20.2 30.2

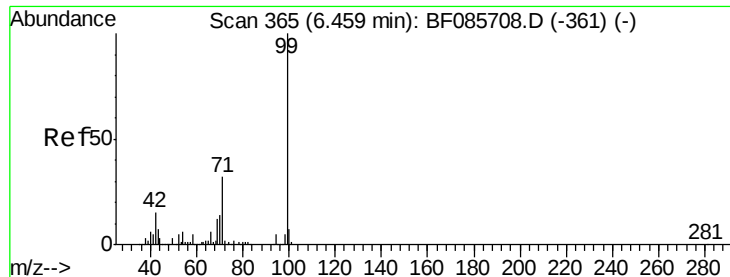


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 13.83 ng

RT: 6.45 min Scan# 364

Delta R.T. -0.01 min

Lab File: BF085824.D

Acq: 29 Mar 2016 1:57

Instrument :

BNA\_F

ClientSampleId :

NCB-083-CS-2(0-7FTBGS)

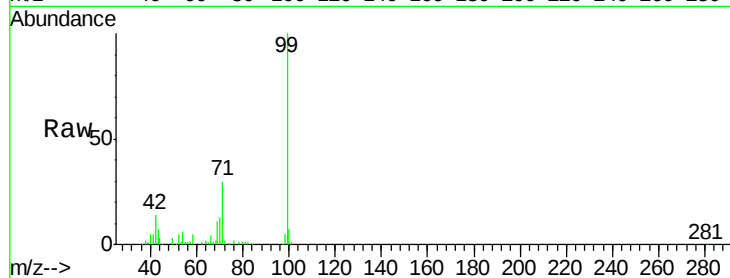
Tgt Ion: 99 Resp: 116436

Ion Ratio Lower Upper

99 100

42 14.4 11.1 16.7

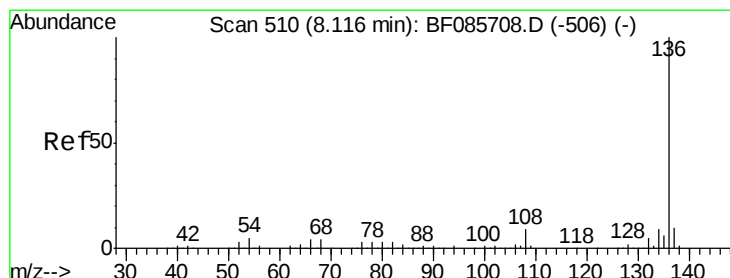
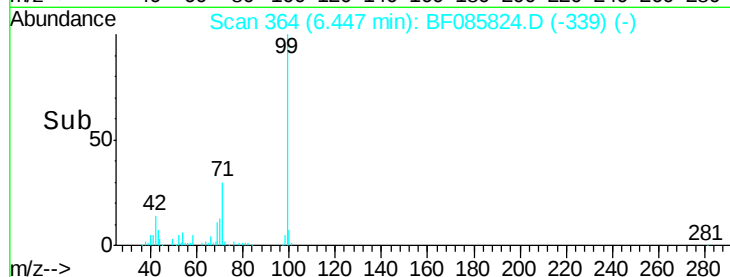
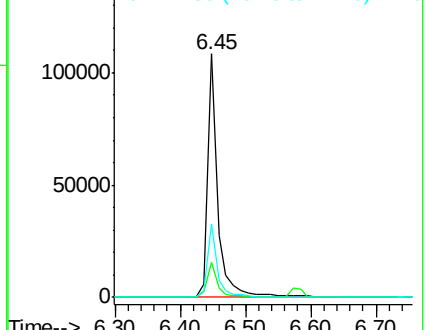
71 30.3 24.9 37.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF085824.D

Acq: 29 Mar 2016 1:57

Tgt Ion: 136 Resp: 420768

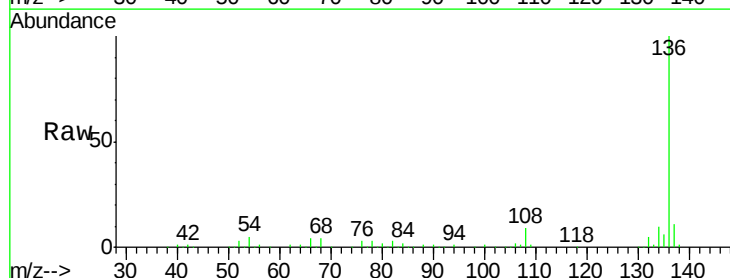
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 5.2 7.4 11.0#

68 4.4 5.8 8.8#

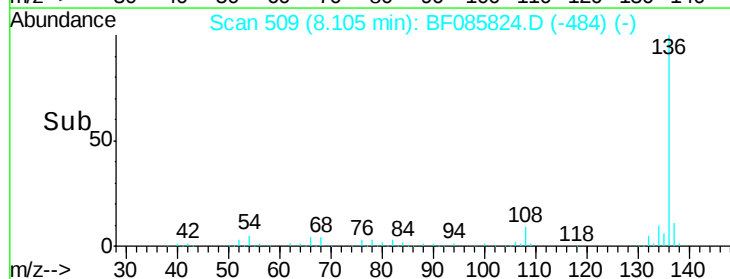
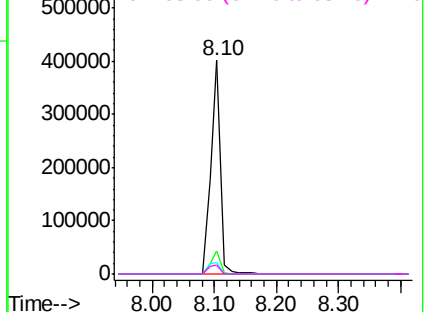


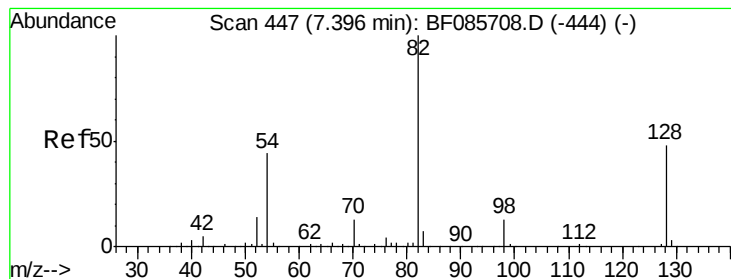
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 8.65 ng

RT: 7.37 min Scan# 445

Delta R.T. -0.02 min

Lab File: BF085824.D

Acq: 29 Mar 2016 1:57

Instrument :

BNA\_F

ClientSampleId :

NCB-083-CS-2(0-7FTBGS)

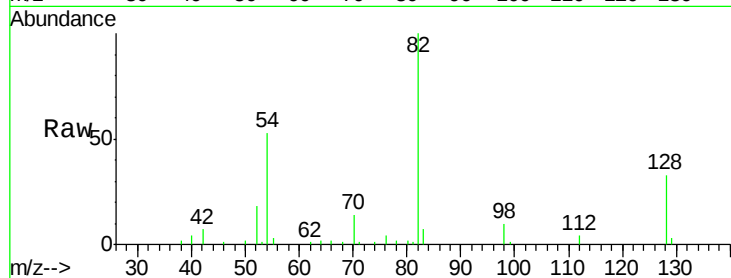
Tgt Ion: 82 Resp: 64620

Ion Ratio Lower Upper

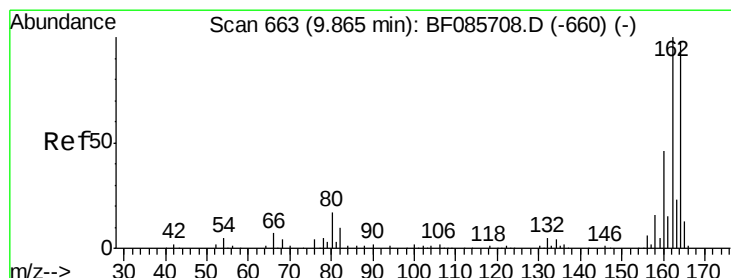
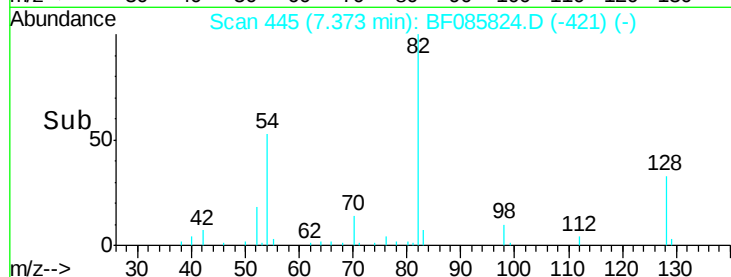
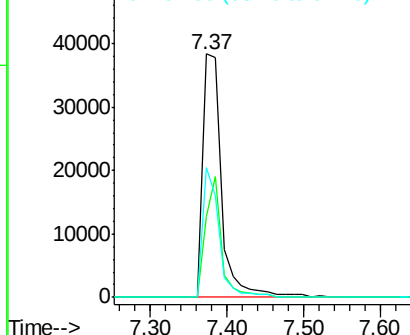
82 100

128 33.2 41.8 62.8#

54 53.2 33.4 50.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 662

Delta R.T. -0.01 min

Lab File: BF085824.D

Acq: 29 Mar 2016 1:57

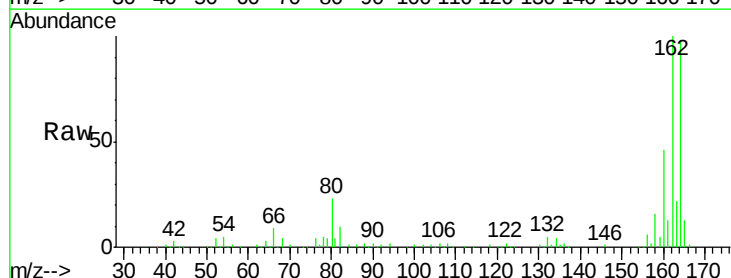
Tgt Ion: 164 Resp: 183452

Ion Ratio Lower Upper

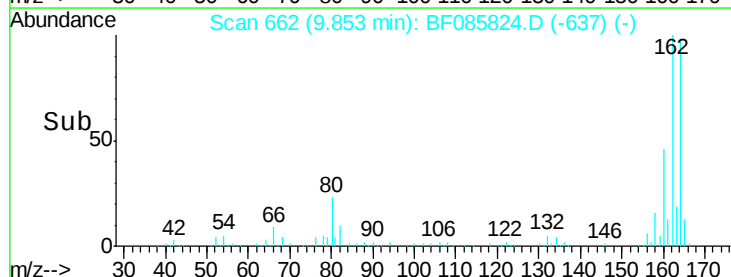
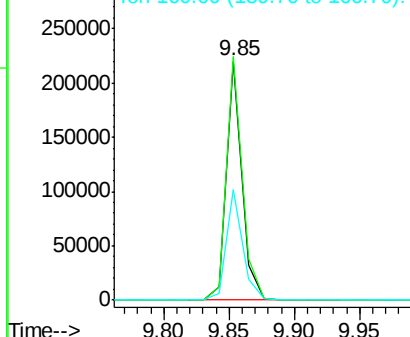
164 100

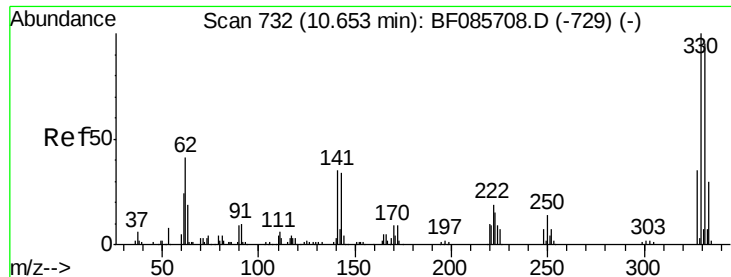
162 101.8 82.1 123.1

160 46.4 37.4 56.2



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

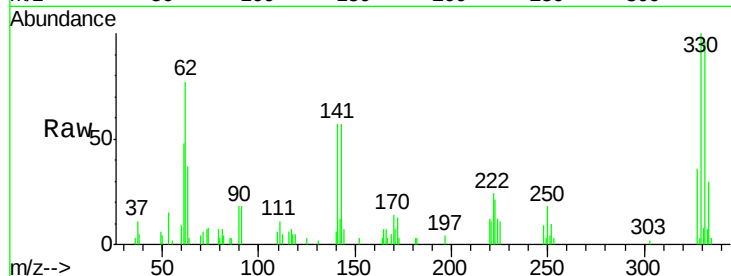




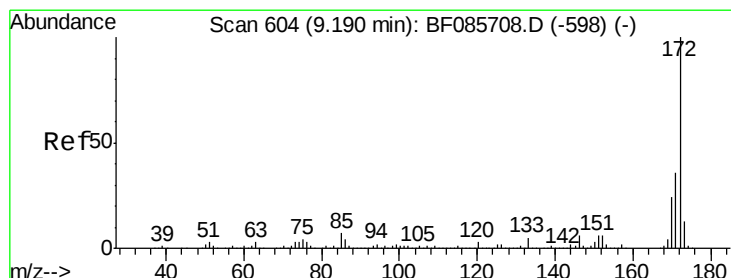
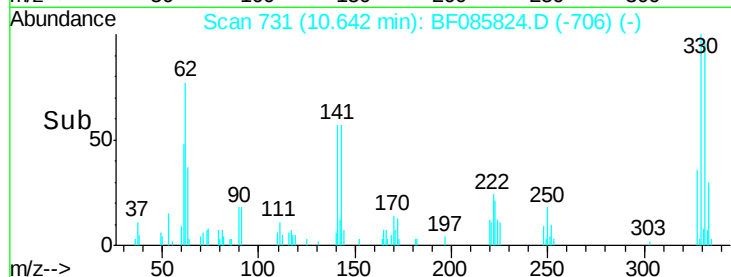
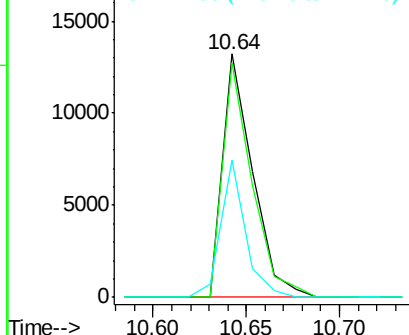
#41  
 2,4,6-Tribromophenol  
 Concen: 8.54 ng  
 RT: 10.64 min Scan# 731  
 Delta R.T. -0.01 min  
 Lab File: BF085824.D  
 Acq: 29 Mar 2016 1:57

Instrument :  
 BNA\_F  
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 NCB-083-CS-2(0-7FTBGS)

Tgt Ion:330 Resp: 14883  
 Ion Ratio Lower Upper  
 330 100  
 332 94.6 78.2 117.2  
 141 46.7 31.5 47.3

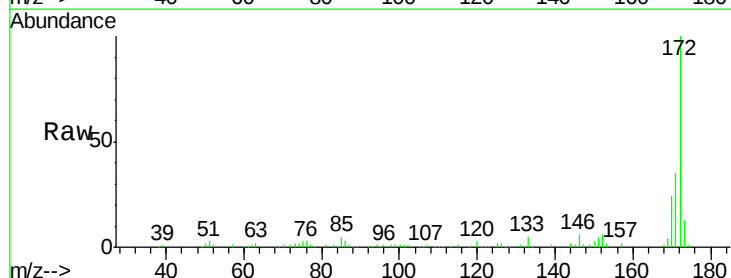


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

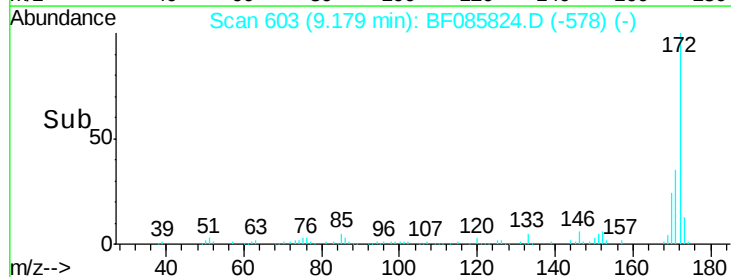
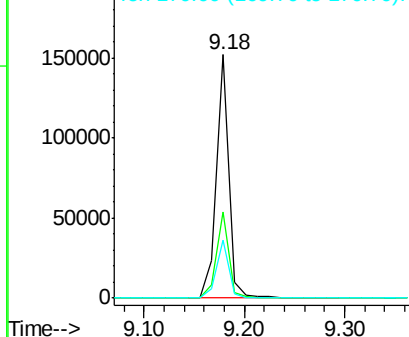


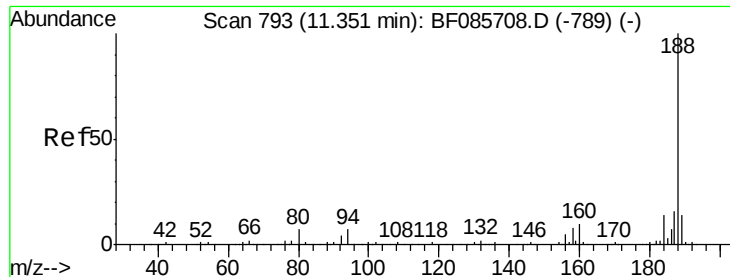
#44  
 2-Fluorobiphenyl  
 Concen: 11.96 ng  
 RT: 9.18 min Scan# 603  
 Delta R.T. -0.01 min  
 Lab File: BF085824.D  
 Acq: 29 Mar 2016 1:57

Tgt Ion:172 Resp: 131355  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 29.4 44.2  
 170 23.9 19.8 29.6



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

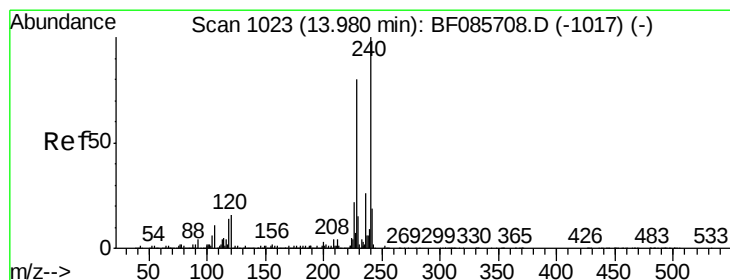
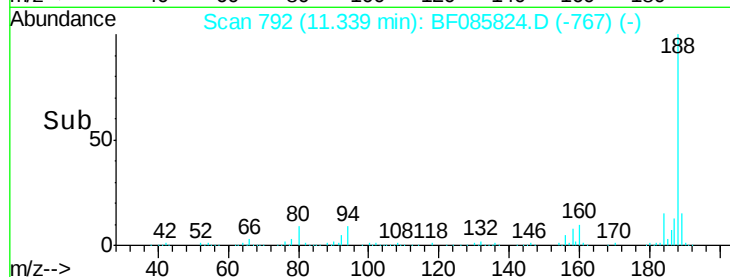
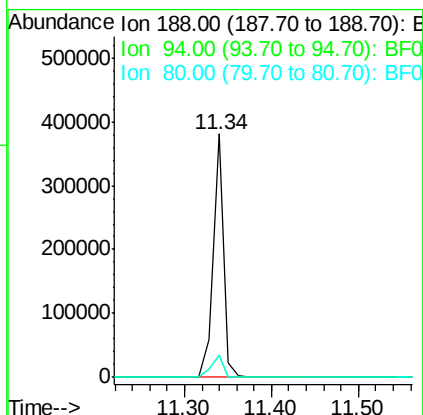
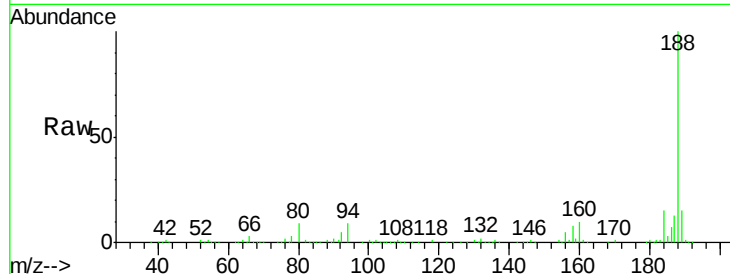




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.34 min Scan# 792  
Delta R.T. -0.01 min  
Lab File: BF085824.D  
Acq: 29 Mar 2016 1:57

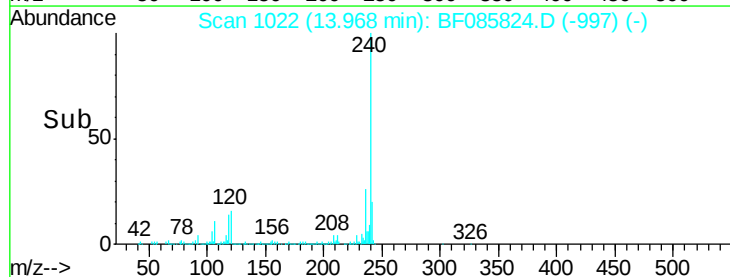
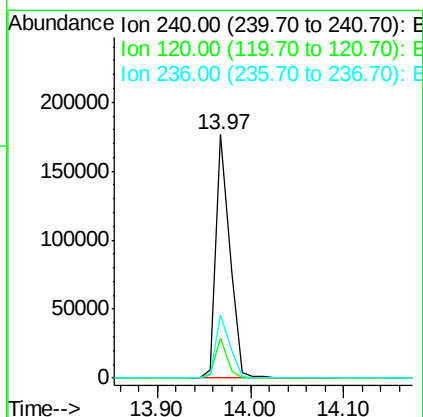
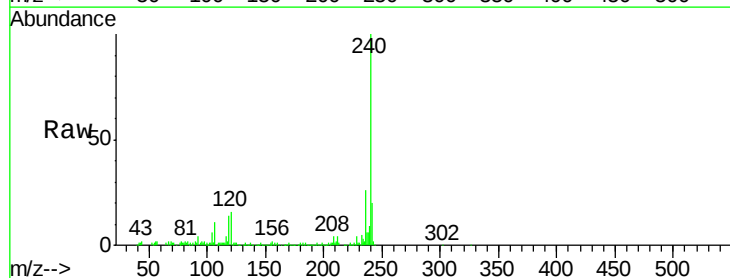
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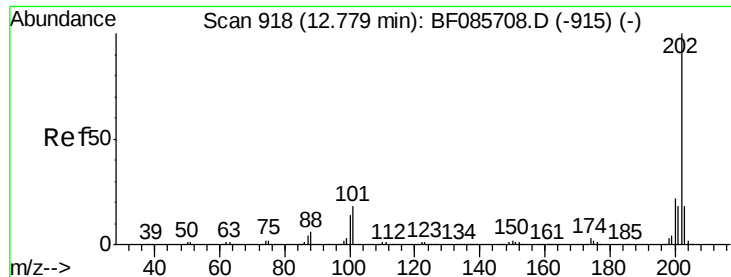
Tgt Ion:188 Resp: 322428  
Ion Ratio Lower Upper  
188 100  
94 9.0 5.4 8.0#  
80 9.1 5.5 8.3#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.97 min Scan# 1022  
Delta R.T. -0.01 min  
Lab File: BF085824.D  
Acq: 29 Mar 2016 1:57

Tgt Ion:240 Resp: 182586  
Ion Ratio Lower Upper  
240 100  
120 16.4 13.8 20.8  
236 26.0 20.6 30.8

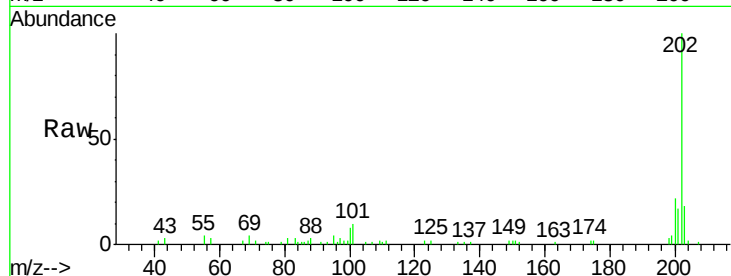




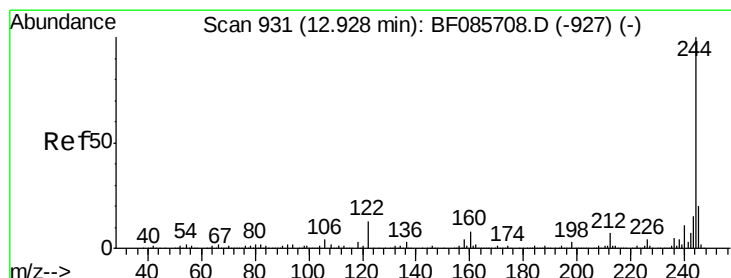
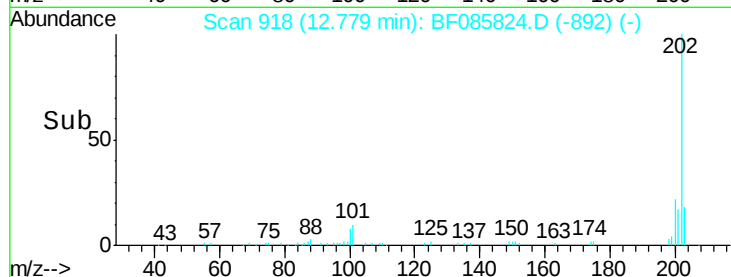
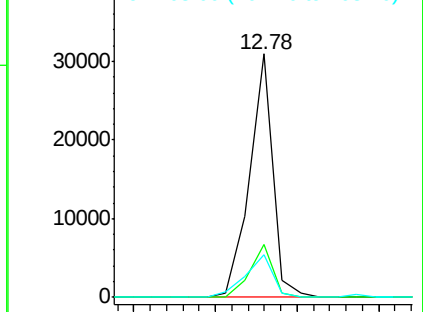
#77  
 Pyrene  
 Concen: 2.03 ng  
 RT: 12.78 min Scan# 918  
 Delta R.T. -0.00 min  
 Lab File: BF085824.D  
 Acq: 29 Mar 2016 1:57

Instrument :  
 BNA\_F  
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 NCB-083-CS-2(0-7FTBGS)

Tgt Ion: 202 Resp: 30448  
 Ion Ratio Lower Upper  
 202 100  
 200 21.7 17.6 26.4  
 203 17.5 14.0 21.0

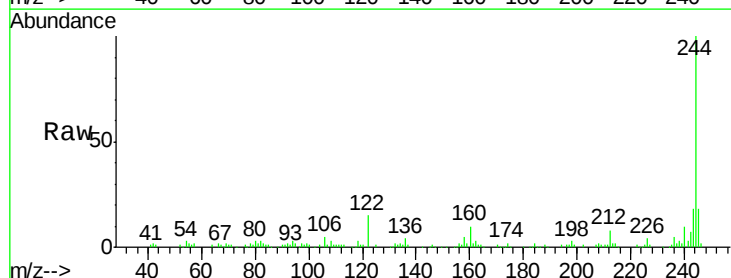


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 200.00 (199.70 to 200.70): E  
 Ion 203.00 (202.70 to 203.70): E

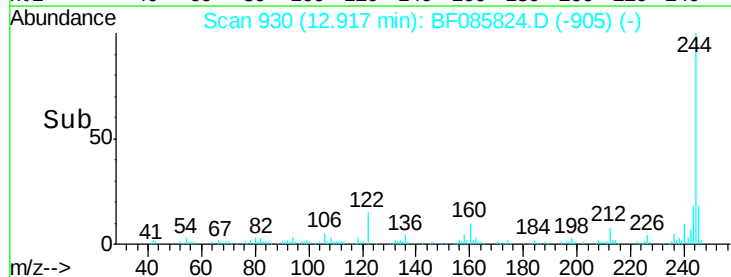
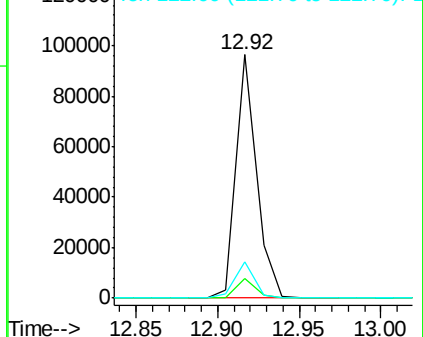


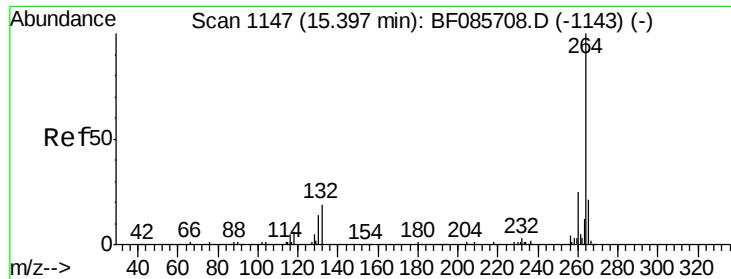
#78  
 Terphenyl-d14  
 Concen: 9.43 ng  
 RT: 12.92 min Scan# 930  
 Delta R.T. -0.01 min  
 Lab File: BF085824.D  
 Acq: 29 Mar 2016 1:57

Tgt Ion: 244 Resp: 83723  
 Ion Ratio Lower Upper  
 244 100  
 212 8.0 6.1 9.1  
 122 14.7 10.2 15.4



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

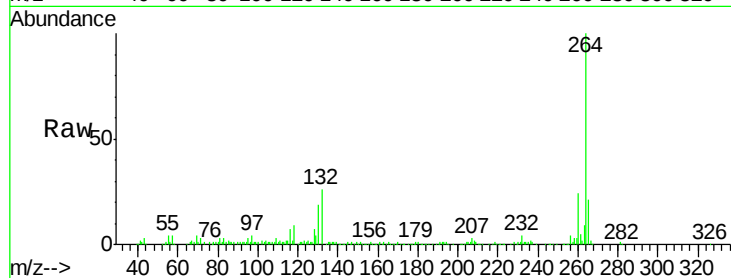




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.39 min Scan# 1146  
Delta R.T. -0.01 min  
Lab File: BF085824.D  
Acq: 29 Mar 2016 1:57

Instrument :  
BNA\_F  
ClientSampleId :  
NCB-083-CS-2(0-7FTBGS)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 19.4  | 29.2  |
| 265     | 21.1  | 17.2  | 25.8  |



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

