

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032919\  
 Data File : BF113423.D  
 Acq On : 29 Mar 2019 19:53  
 Operator : JU/SJ  
 Sample : K2121-08  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUP

Quant Time: Mar 30 02:17:31 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 26 03:32:08 2019  
 Response via : Initial Calibration

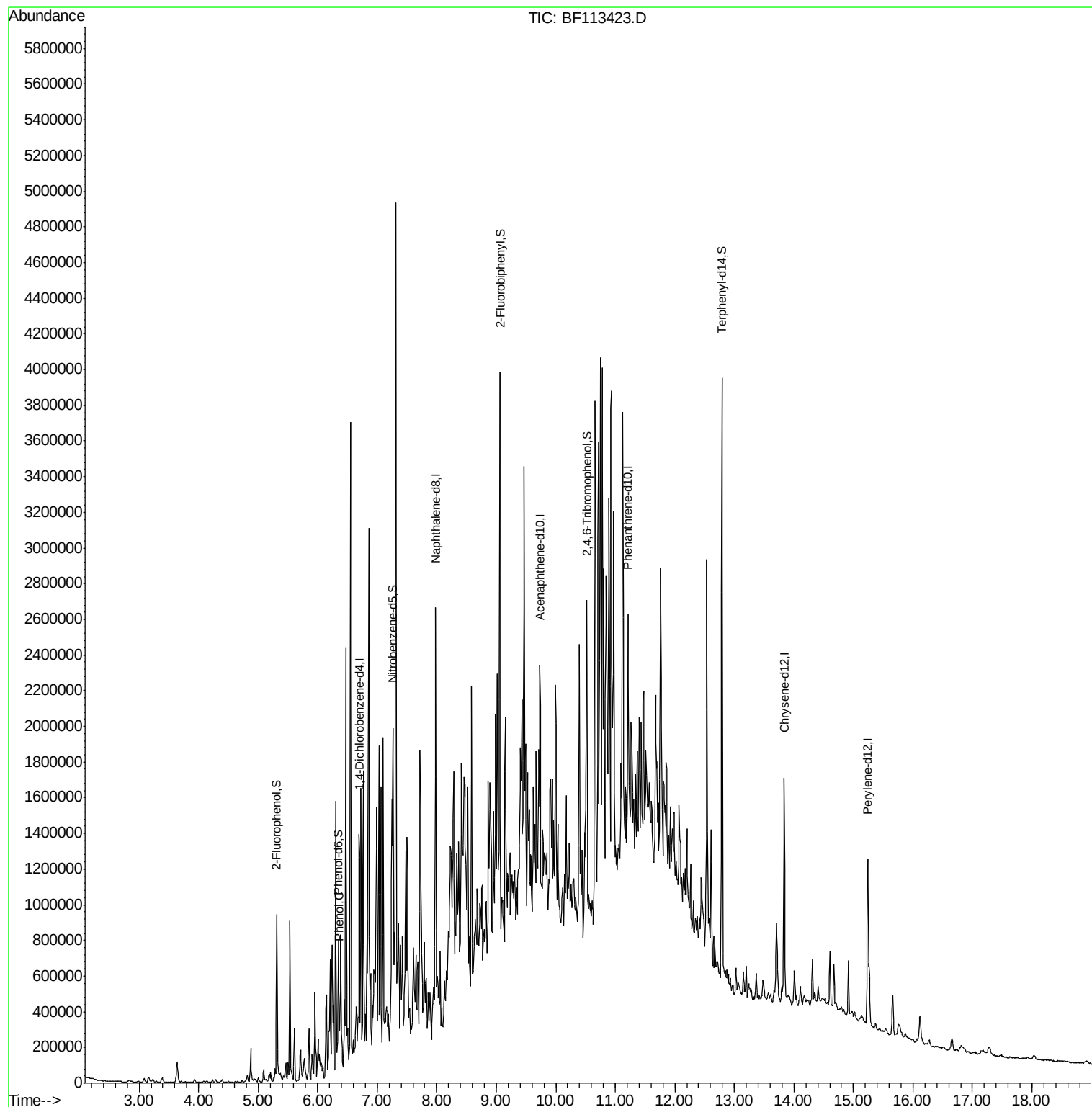
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|-------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.70  | 152  | 134001   | 20.00 | ng    | 0.00           |
| 21) Naphthalene-d8          | 7.99  | 136  | 481225   | 20.00 | ng    | 0.00           |
| 39) Acenaphthene-d10        | 9.73  | 164  | 252997   | 20.00 | ng    | 0.00           |
| 64) Phenanthrene-d10        | 11.22 | 188  | 498047   | 20.00 | ng    | 0.00           |
| 76) Chrysene-d12            | 13.84 | 240  | 452327   | 20.00 | ng    | 0.00           |
| 87) Perylene-d12            | 15.24 | 264  | 457111   | 20.00 | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |       |       |                |
| 5) 2-Fluorophenol           | 5.31  | 112  | 333256   | 40.66 | ng    | 0.00           |
| 7) Phenol-d6                | 6.35  | 99   | 285661   | 27.55 | ng    | -0.01          |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 541499   | 66.79 | ng    | 0.00           |
| 42) 2,4,6-Tribromophenol    | 10.53 | 330  | 275788   | 88.25 | ng    | 0.00           |
| 45) 2-Fluorobiphenyl        | 9.06  | 172  | 997371   | 55.71 | ng    | 0.00           |
| 79) Terphenyl-d14           | 12.79 | 244  | 1237919  | 60.32 | ng    | 0.00           |
| Target Compounds            |       |      |          |       |       |                |
| 10) Phenol                  | 6.36  | 94   | 56472    | 4.771 | ng    | Qvalue<br># 71 |

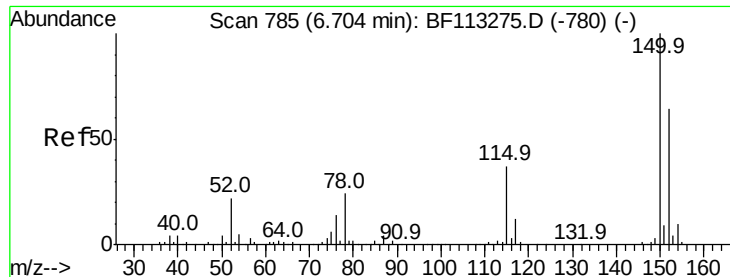
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_F  
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QLast Update : Tue Mar 26 03:32:08 2019  
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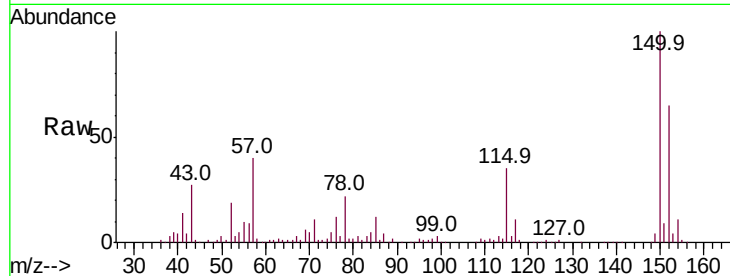


#1

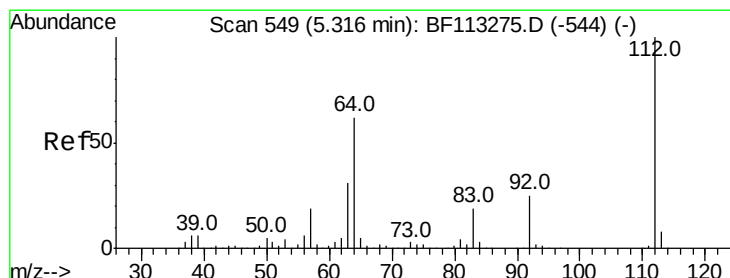
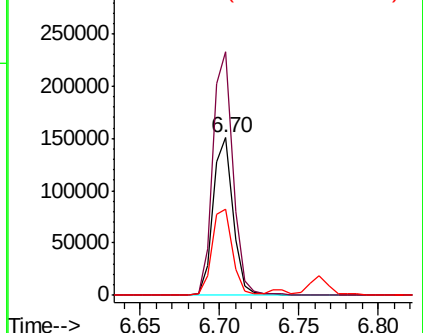
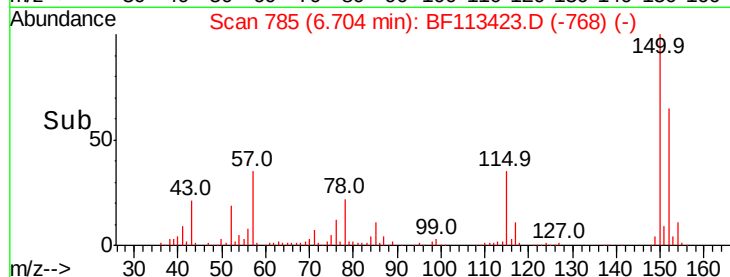
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.70 min Scan# 785  
 Delta R.T. -0.00 min  
 Lab File: BF113423.D  
 Acq: 29 Mar 2019 19:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUP

Tot Ion:152 Resp: 134001  
 Ion Ratio Lower Upper  
 152 100  
 150 154.3 124.7 187.1  
 115 54.6 46.0 69.0



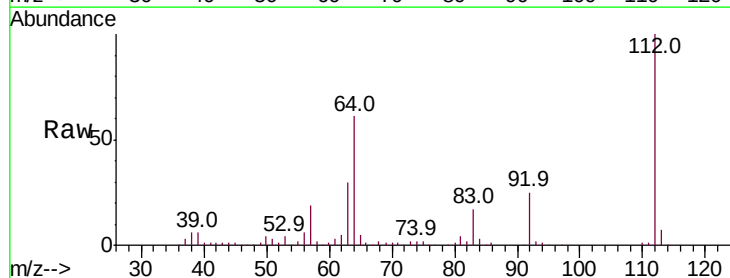
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



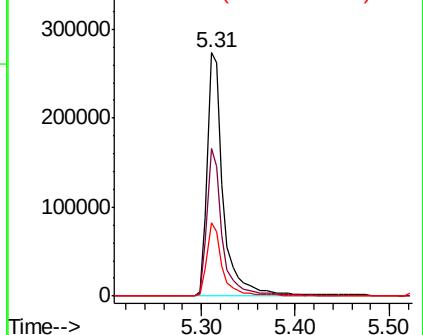
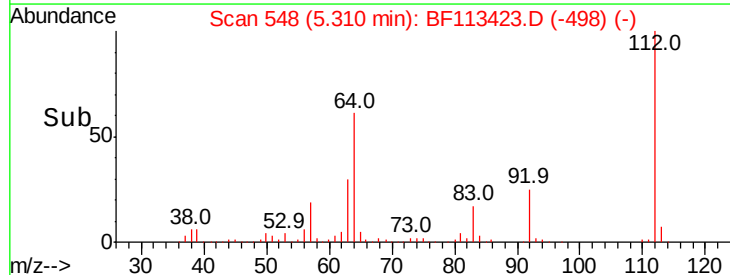
#5

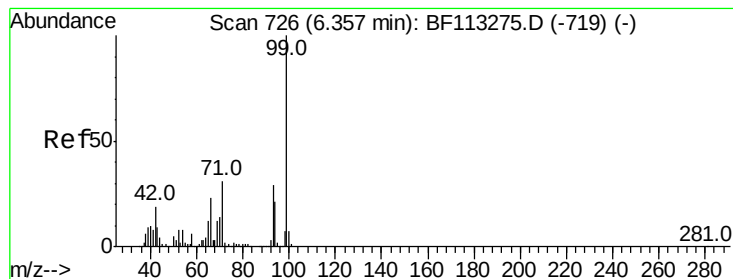
2-Fluorophenol  
 Concen: 40.665 ng  
 RT: 5.31 min Scan# 548  
 Delta R.T. -0.01 min  
 Lab File: BF113423.D  
 Acq: 29 Mar 2019 19:53

Tgt Ion:112 Resp: 333256  
 Ion Ratio Lower Upper  
 112 100  
 64 60.8 49.2 73.8  
 63 30.2 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BF1  
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 27.554 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113423.D

Acq: 29 Mar 2019 19:53

Instrument :

BNA\_F

ClientSampleId :

DUP

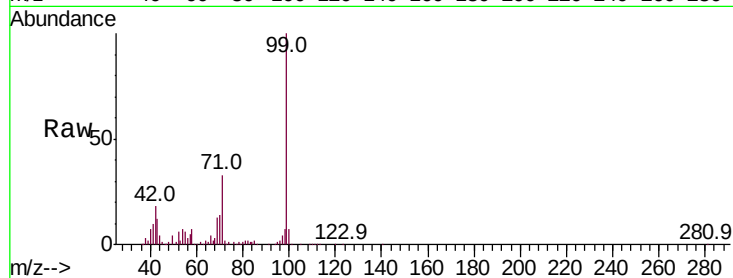
Tot Ion: 99 Resp: 285661

Ion Ratio Lower Upper

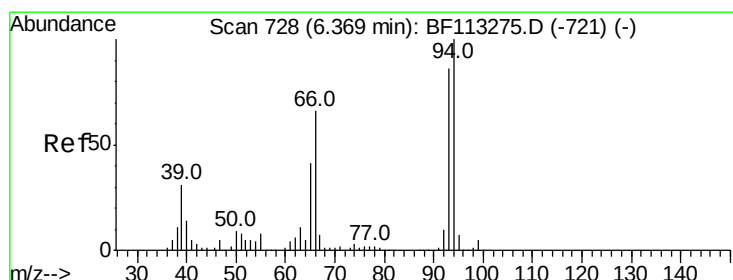
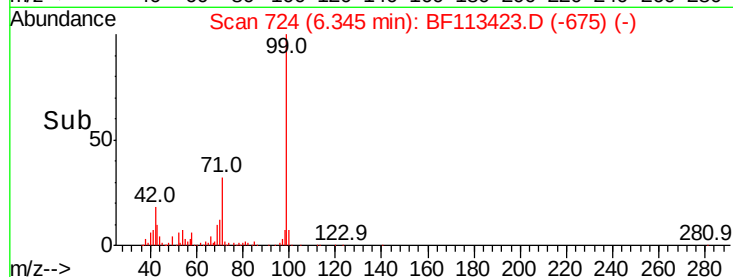
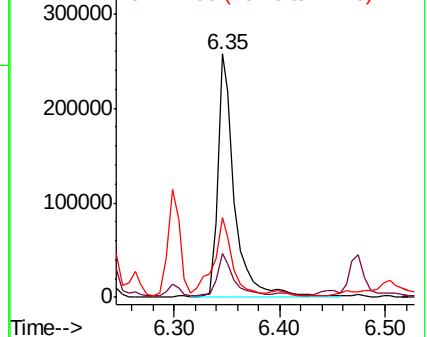
99 100

42 18.3 14.8 22.2

71 32.9 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.771 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113423.D

Acq: 29 Mar 2019 19:53

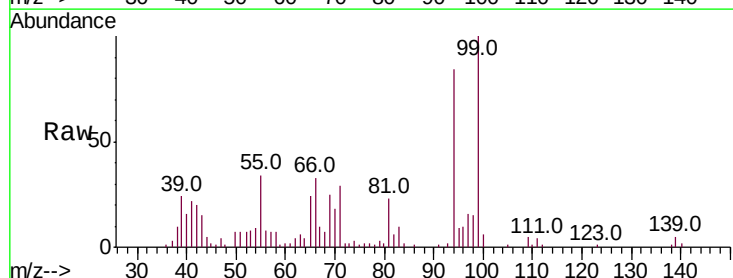
Tgt Ion: 94 Resp: 56472

Ion Ratio Lower Upper

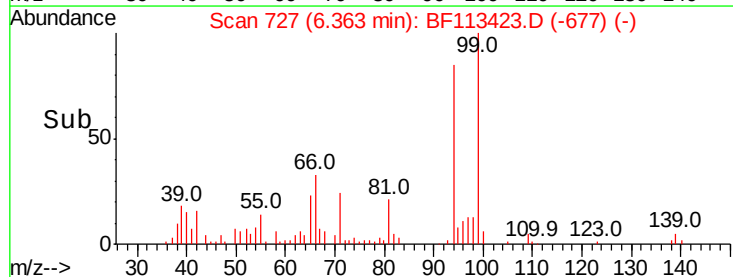
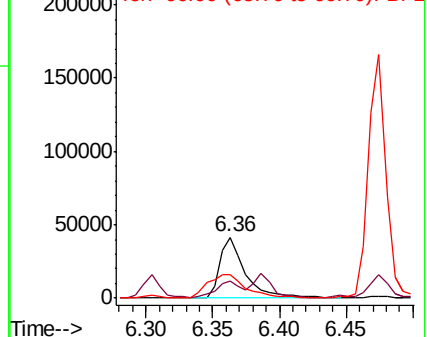
94 100

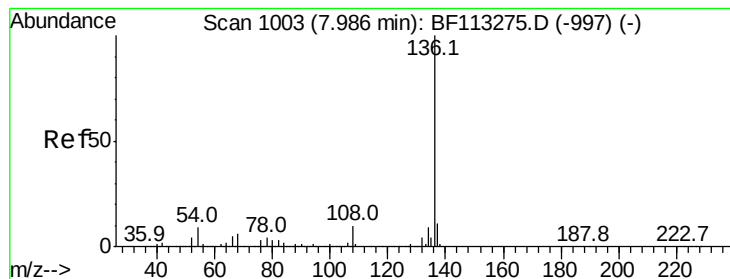
65 28.3 21.4 61.4

66 39.3 46.4 86.4#



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BF113423.D

Acq: 29 Mar 2019 19:53

Instrument :

BNA\_F

ClientSampleId :

DUP

Tot Ion:136 Resp: 481225

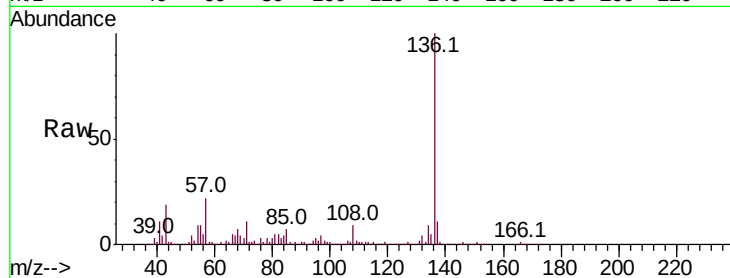
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.6 7.0 10.6

68 7.1 4.8 7.2

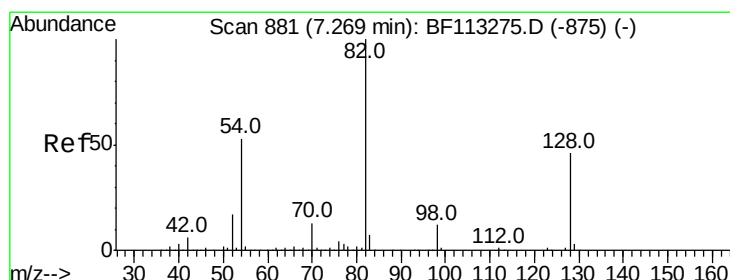
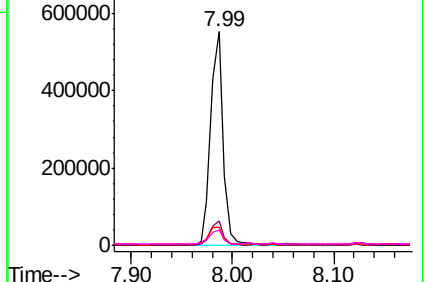
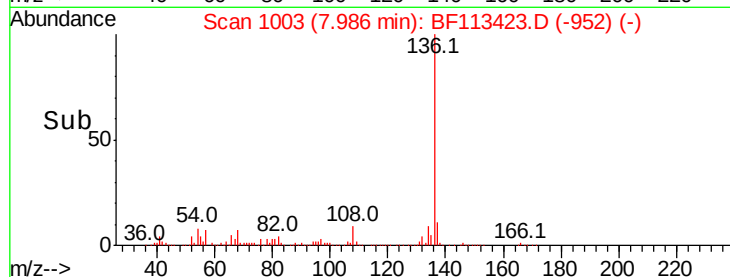


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 66.788 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF113423.D

Acq: 29 Mar 2019 19:53

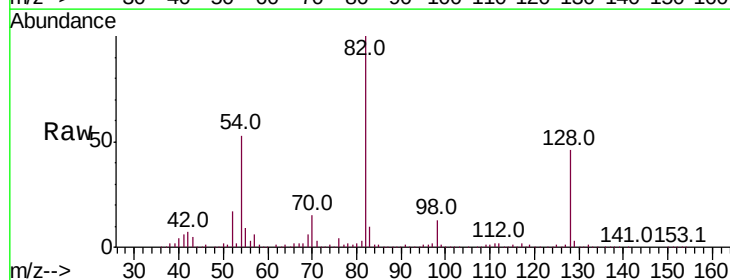
Tgt Ion: 82 Resp: 541499

Ion Ratio Lower Upper

82 100

128 45.8 36.5 54.7

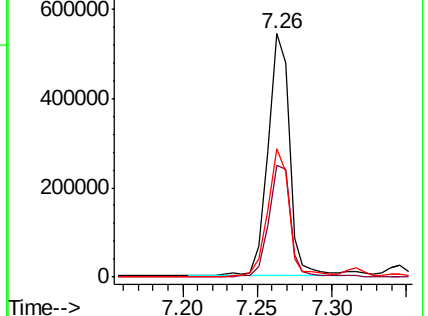
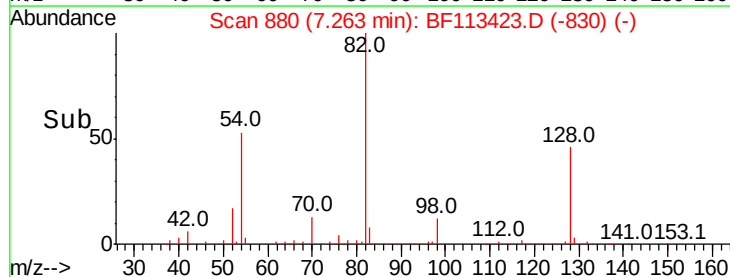
54 52.6 42.2 63.2

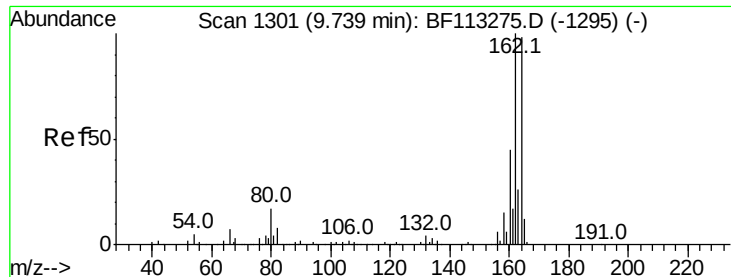


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF113423.D

Acq: 29 Mar 2019 19:53

Instrument :

BNA\_F

ClientSampleId :

DUP

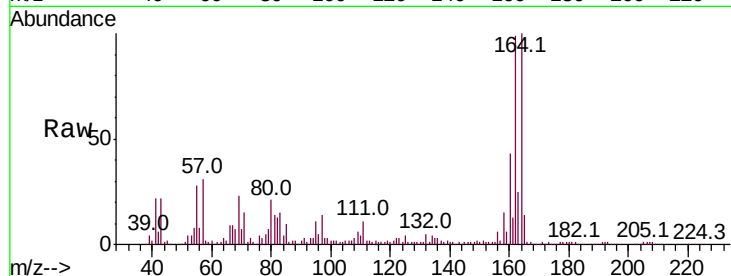
Tot Ion:164 Resp: 252997

Ion Ratio Lower Upper

164 100

162 99.2 81.8 122.6

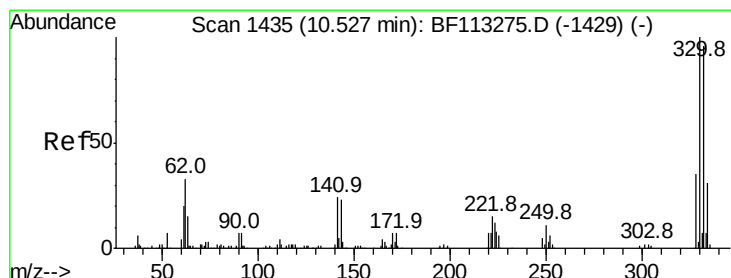
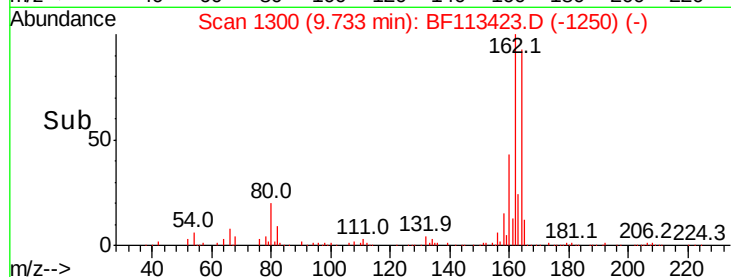
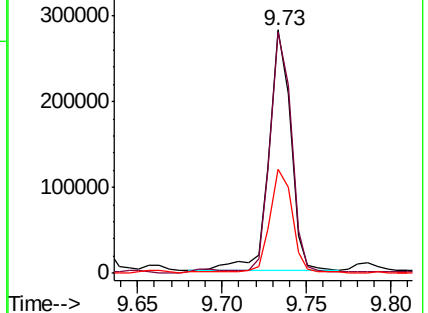
160 42.9 36.4 54.6



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



#42

2,4,6-Tribromophenol

Concen: 88.250 ng

RT: 10.53 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BF113423.D

Acq: 29 Mar 2019 19:53

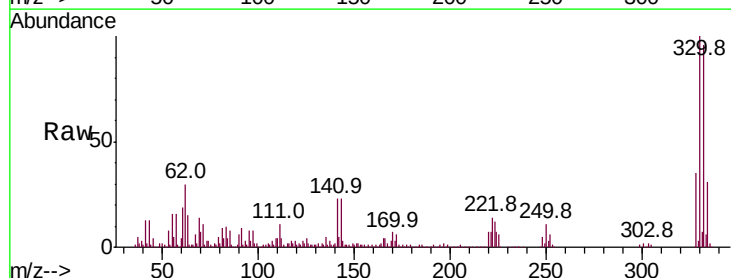
Tgt Ion:330 Resp: 275788

Ion Ratio Lower Upper

330 100

332 96.2 77.8 116.6

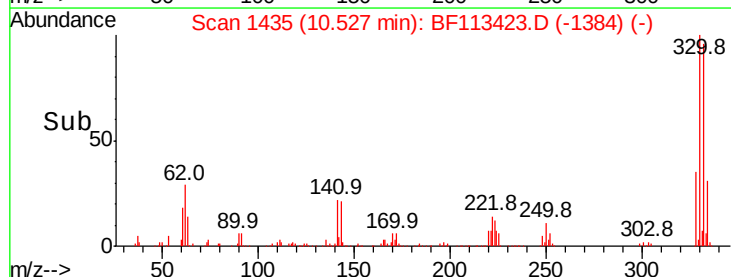
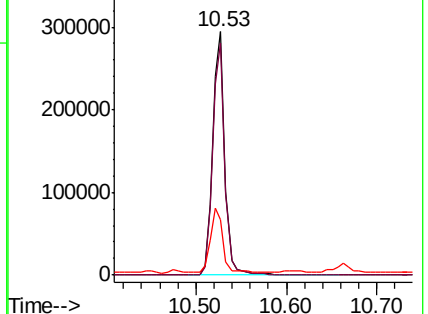
141 28.1 22.7 34.1

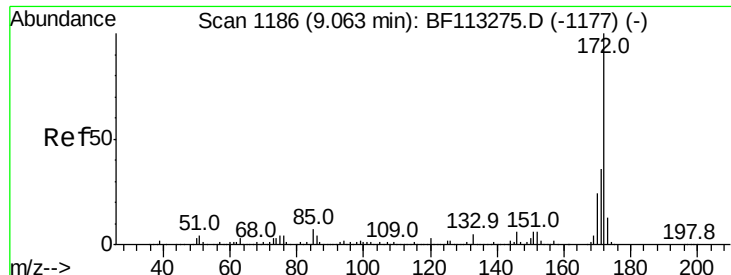


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

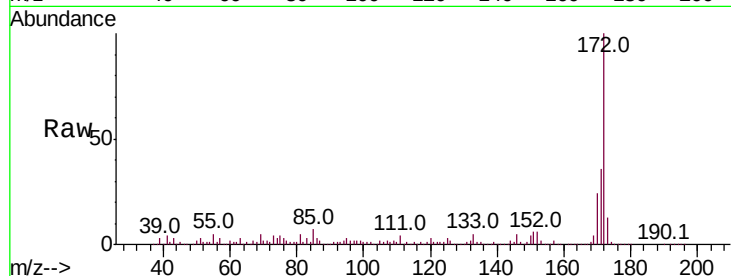




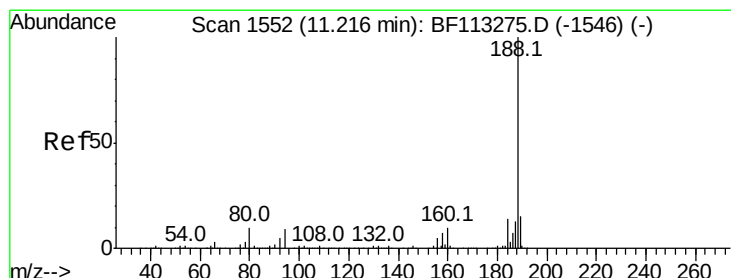
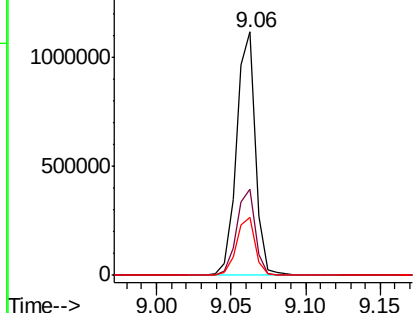
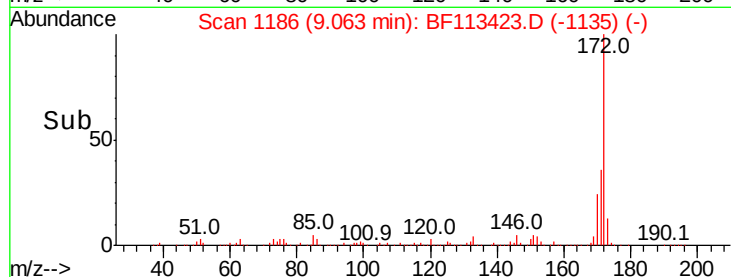
#45  
2-Fluorobiphenyl  
Concen: 55.712 ng  
RT: 9.06 min Scan# 1186  
Delta R.T. 0.00 min  
Lab File: BF113423.D  
Acq: 29 Mar 2019 19:53

Instrument :  
BNA\_F  
ClientSampled :  
DUP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.5  | 29.0  | 43.6  |
| 170     | 24.1  | 19.5  | 29.3  |

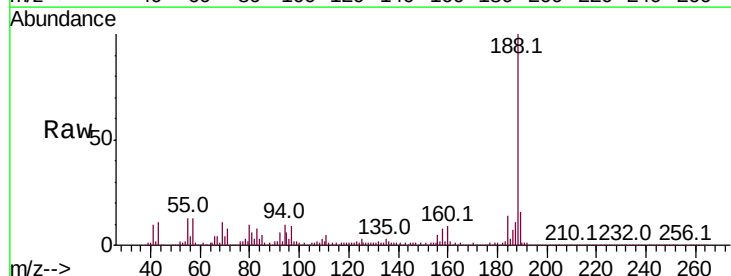


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

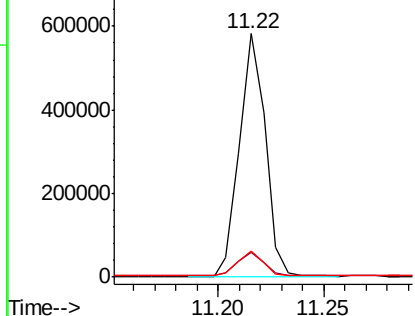
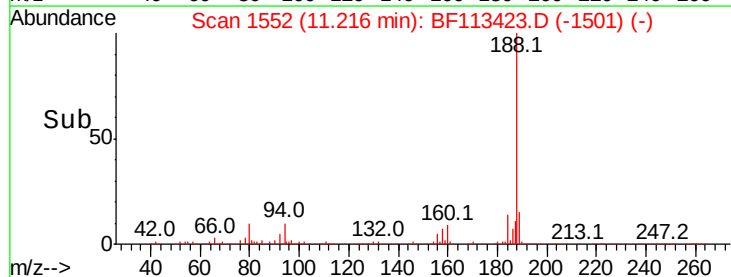


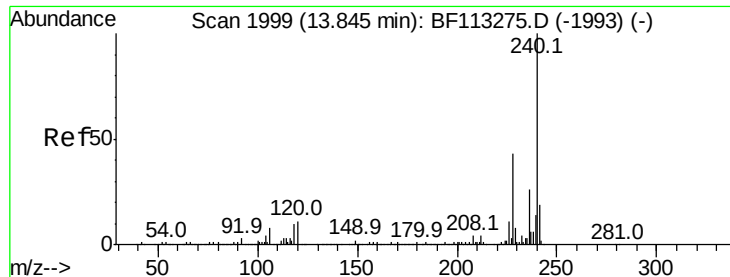
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.22 min Scan# 1552  
Delta R.T. -0.00 min  
Lab File: BF113423.D  
Acq: 29 Mar 2019 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.3  | 7.0   | 10.6  |
| 80      | 10.4  | 7.7   | 11.5  |



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF113423.D

Acq: 29 Mar 2019 19:53

Instrument :

BNA\_F

ClientSampleId :

DUP

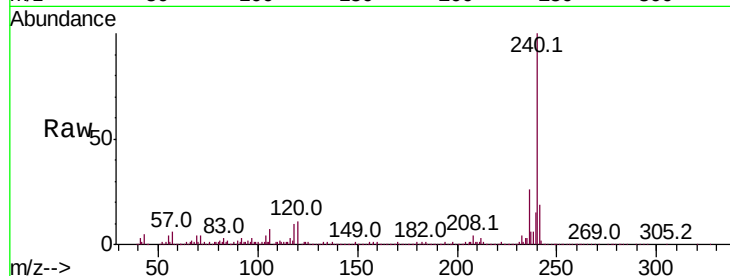
Tot Ion:240 Resp: 452327

Ion Ratio Lower Upper

240 100

120 10.9 8.8 13.2

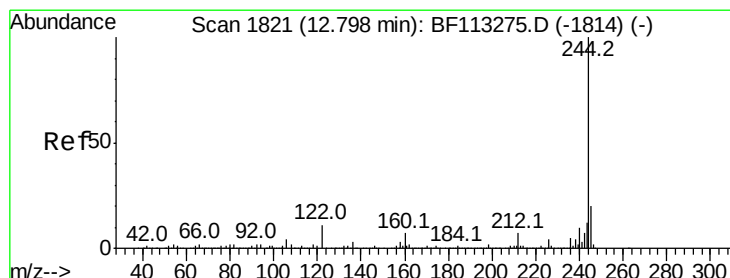
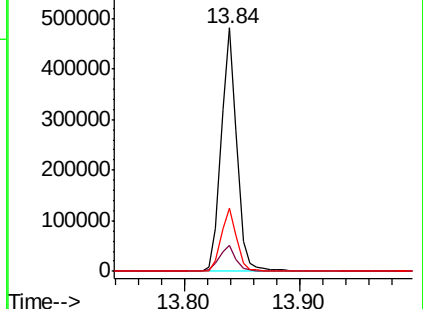
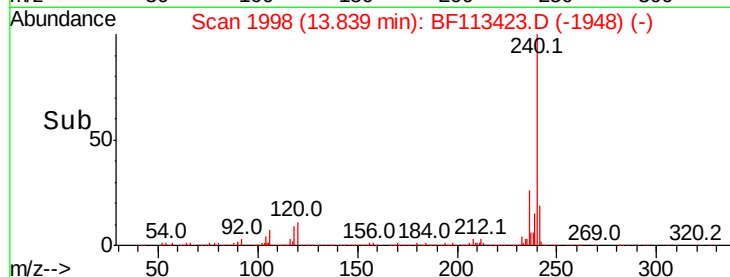
236 25.7 20.9 31.3



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



#79

Terphenyl-d14

Concen: 60.323 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF113423.D

Acq: 29 Mar 2019 19:53

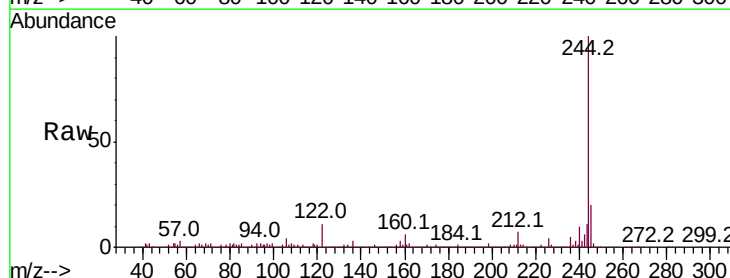
Tgt Ion:244 Resp: 1237919

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

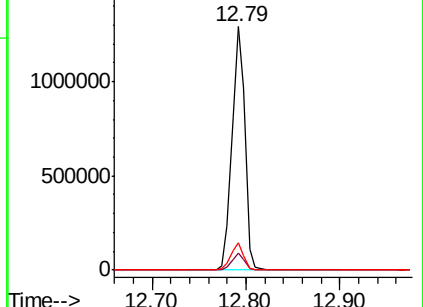
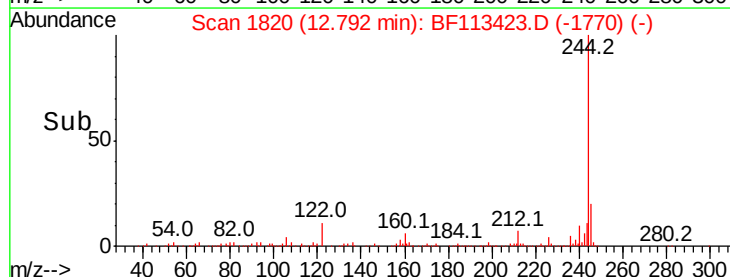
122 11.0 8.6 13.0



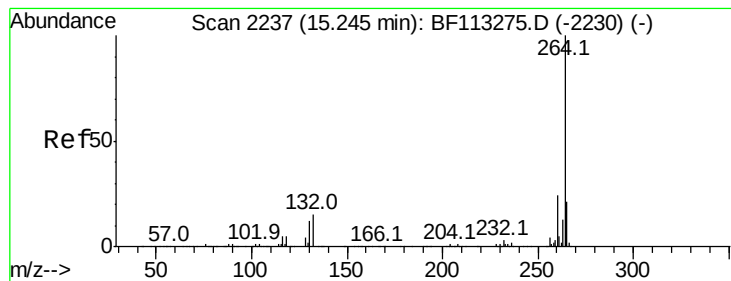
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF113423.D

Acq: 29 Mar 2019 19:53

Instrument :

BNA\_F

ClientSampleId :

DUP

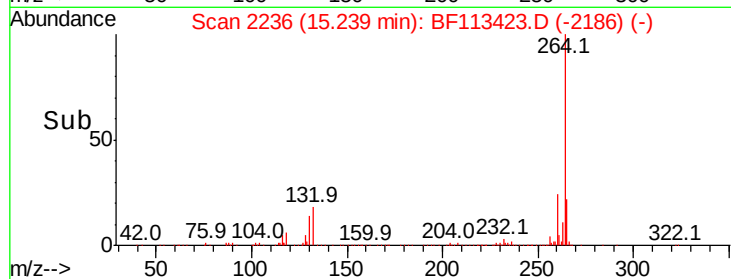
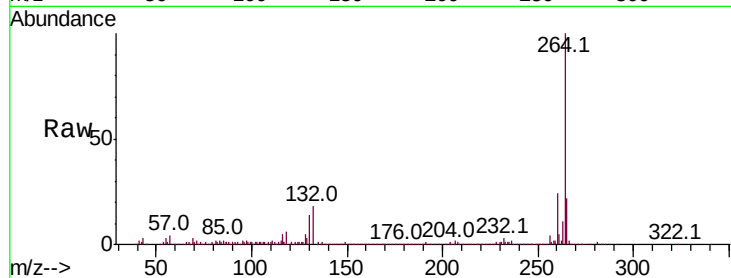
Tot Ion: 264 Resp: 457111

Ion Ratio Lower Upper

264 100

260 23.6 19.1 28.7

265 21.7 17.1 25.7



Abundance Ion 264.00 (263.70 to 264.70): E

500000 Ion 260.00 (259.70 to 260.70): E

400000 Ion 265.00 (264.70 to 265.70): E

300000

200000

100000

0

15.24

15.20 15.30 15.40

Time-->