

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\  
 Data File : BF117114.D  
 Acq On : 17 Sep 2019 18:38  
 Operator : HP/JU  
 Sample : K4524-03  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TT-013-IDWSO-20190823

Quant Time: Sep 18 04:11:29 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 13 16:23:17 2019  
 Response via : Initial Calibration

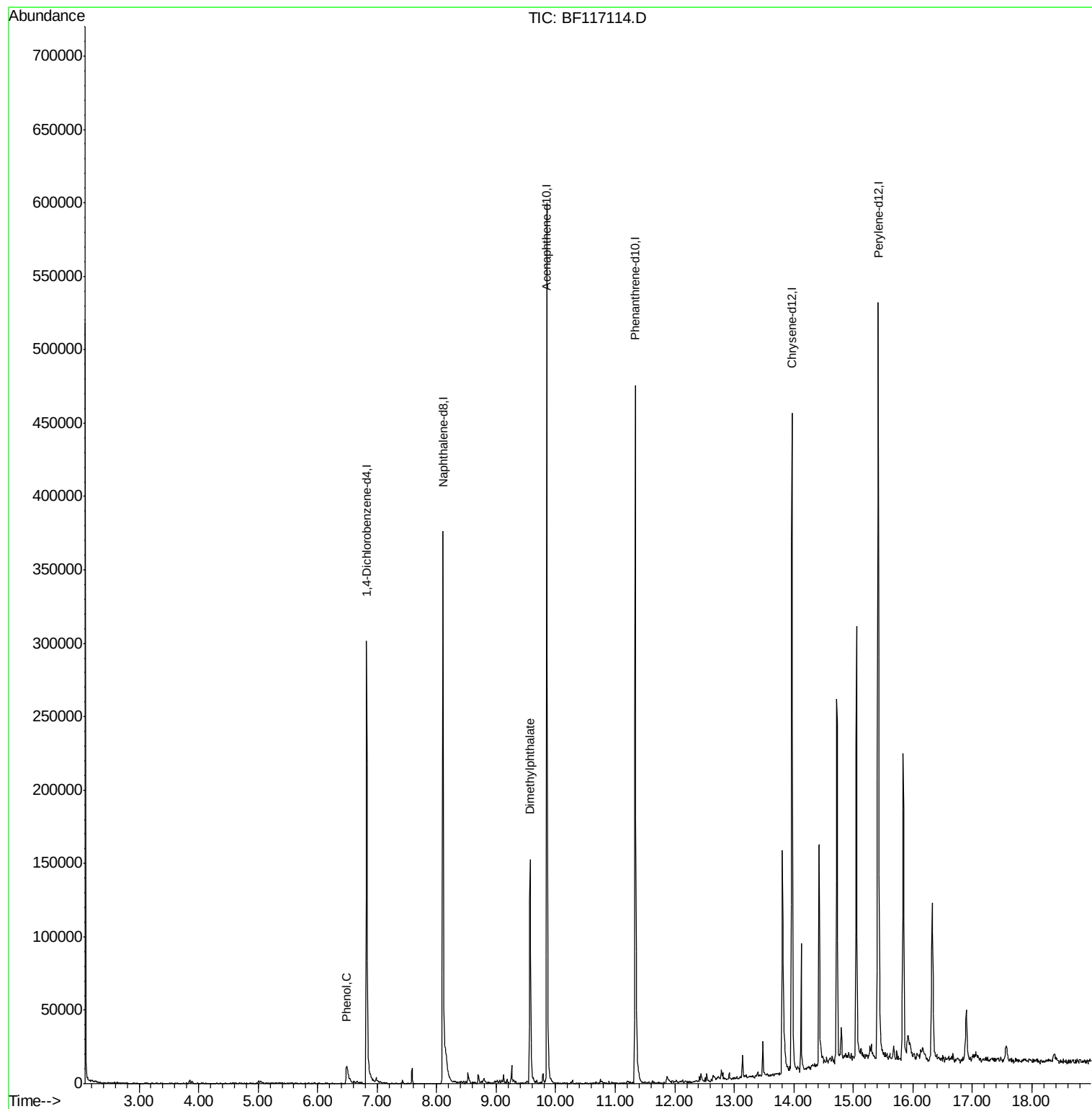
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.82  | 152  | 56368    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.10  | 136  | 256264   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.85  | 164  | 134881   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.33 | 188  | 228583   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.97 | 240  | 171124   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 15.42 | 264  | 155284   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 0.00  | 112  | 0        | 0.00  | ng    |          |
| 7) Phenol-d6                | 6.48  | 99   | 538      | 0.12  | ng    | 0.02     |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 388      | 0.08  | ng    | 0.01     |
| 42) 2,4,6-Tribromophenol    | 0.00  | 330  | 0        | 0.00  | ng    |          |
| 45) 2-Fluorobiphenyl        | 9.18  | 172  | 2185     | 0.25  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.92 | 244  | 2849     | 0.31  | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 10) Phenol                  | 6.49  | 94   | 16875    | 3.281 | ng    | 83       |
| 50) Dimethylphthalate       | 9.57  | 163  | 86951    | 9.105 | ng    | # 96     |

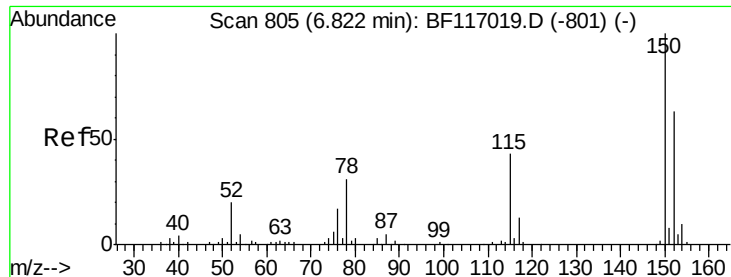
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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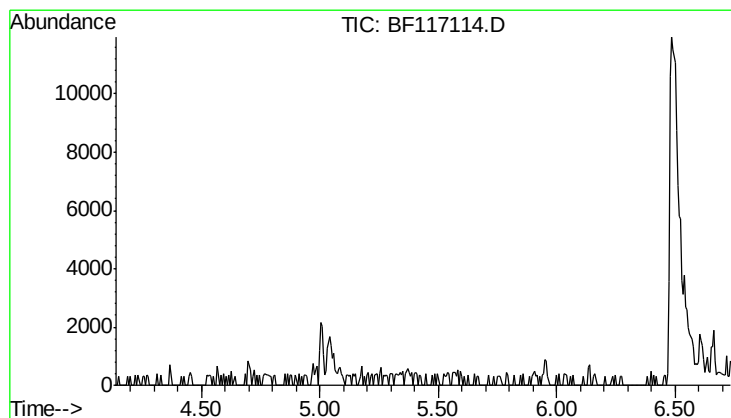
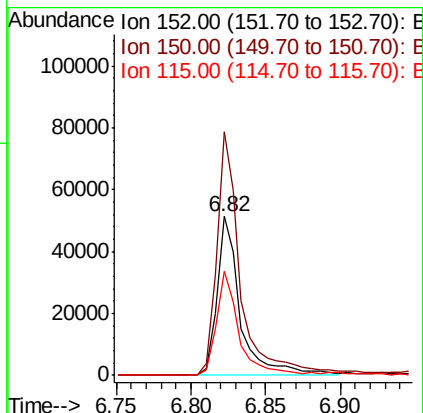
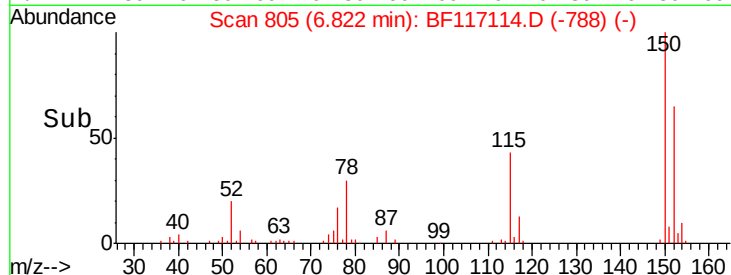
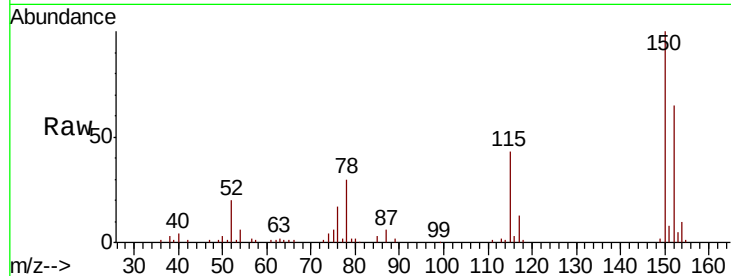


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.82 min Scan# 805  
Delta R.T. 0.00 min  
Lab File: BF117114.D  
Acq: 17 Sep 2019 18:38

Instrument :  
BNA\_F  
ClientSampleId :  
TT-013-IDWSO-20190823

Tot Ion:152 Resp: 56368  
Ion Ratio Lower Upper  
152 100  
150 153.4 127.5 191.3  
115 65.5 55.0 82.4

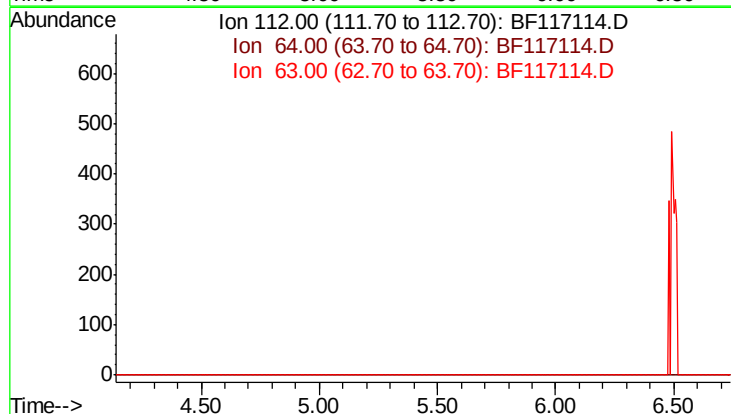


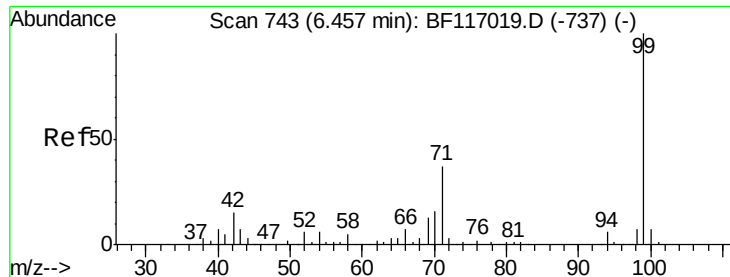
#5

2-Fluorophenol  
Concen: 0.000 ng  
Expected RT: 5.44 min

Lab File: BF117114.D  
Acq: 17 Sep 2019 18:38

Tgt Ion: 112  
Sig Exp Ratio  
112 100  
64 57.1  
63 31.1





#7

Phenol-d6

Concen: 0.115 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.02 min

Lab File: BF117114.D

Acq: 17 Sep 2019 18:38

Instrument :

BNA\_F

ClientSampleId :

TT-013-IDWSO-20190823

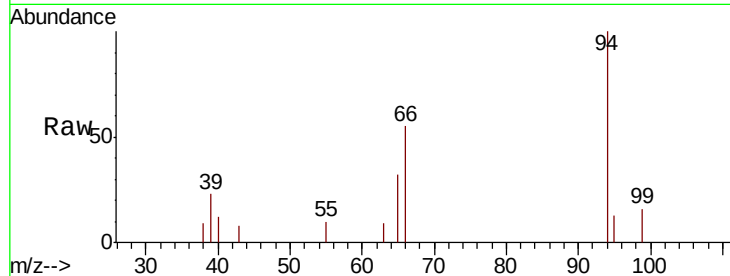
Tot Ion: 99 Resp: 538

Ion Ratio Lower Upper

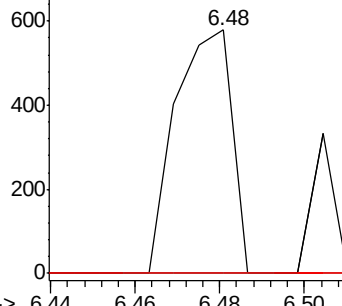
99 100

42 0.0 12.2 18.2#

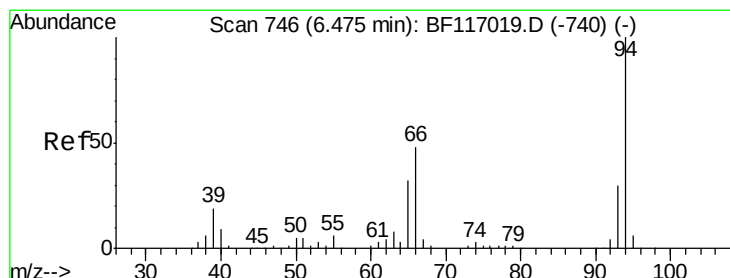
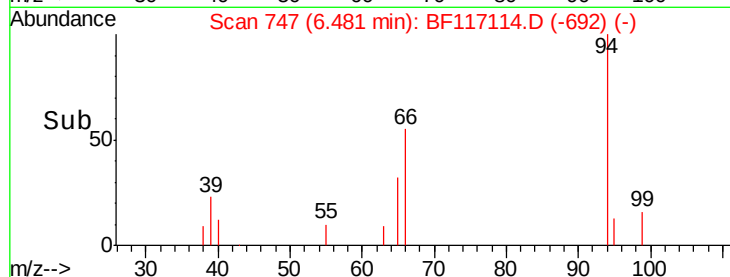
71 0.0 29.8 44.8#



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



Time--> 6.44 6.46 6.48 6.50



#10

Phenol

Concen: 3.281 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF117114.D

Acq: 17 Sep 2019 18:38

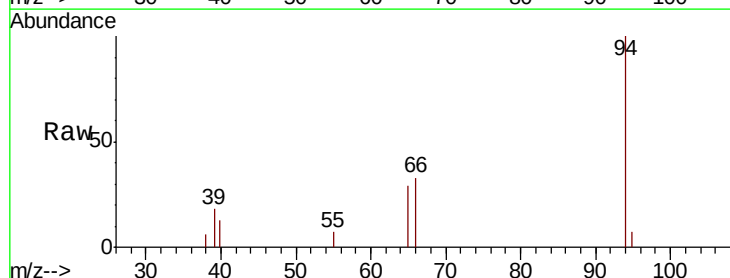
Tgt Ion: 94 Resp: 16875

Ion Ratio Lower Upper

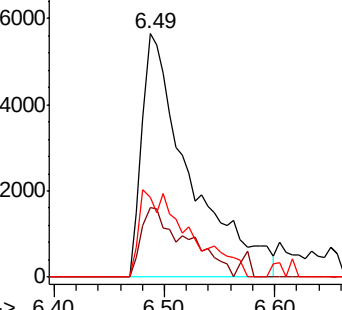
94 100

65 28.6 12.5 52.5

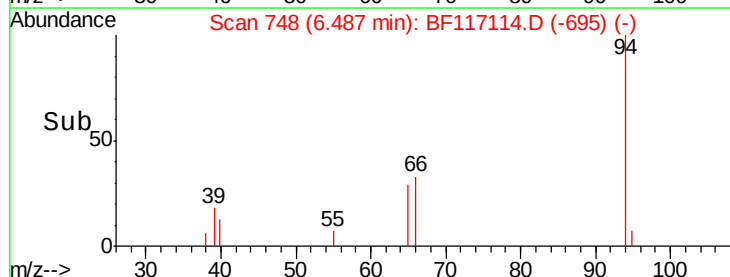
66 32.9 28.9 68.9

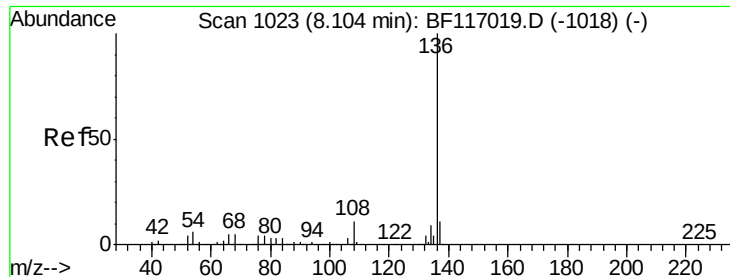


Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1



Time--> 6.40 6.50 6.60

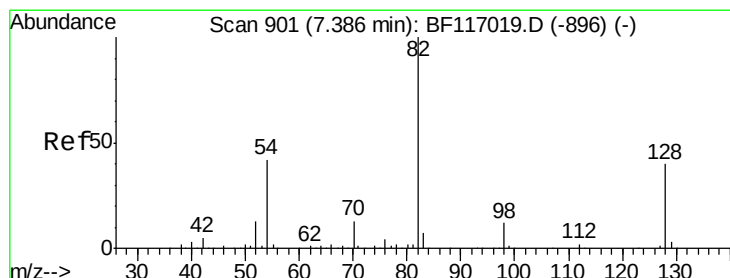
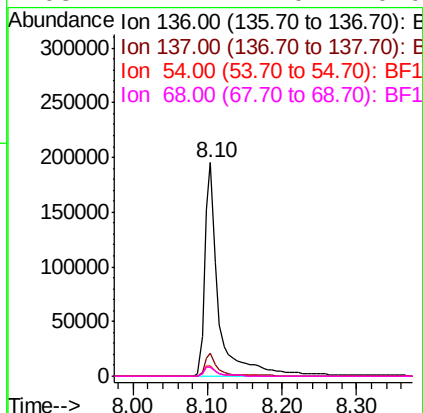
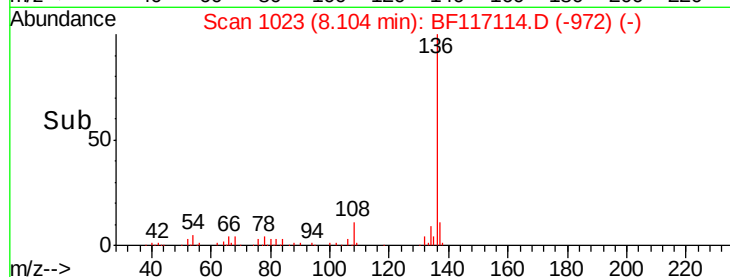
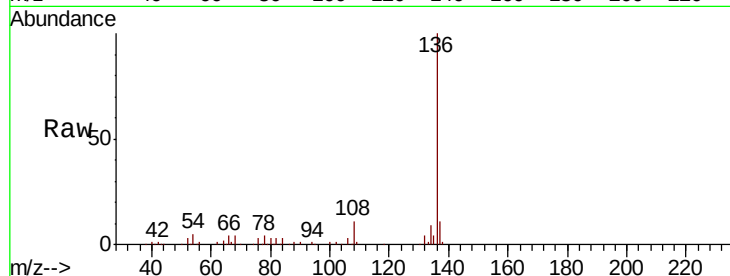




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.10 min Scan# 1023  
Delta R.T. 0.00 min  
Lab File: BF117114.D  
Acq: 17 Sep 2019 18:38

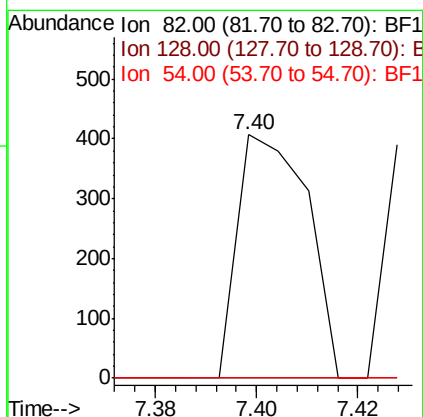
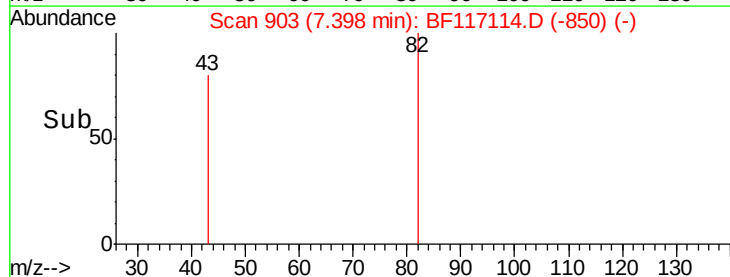
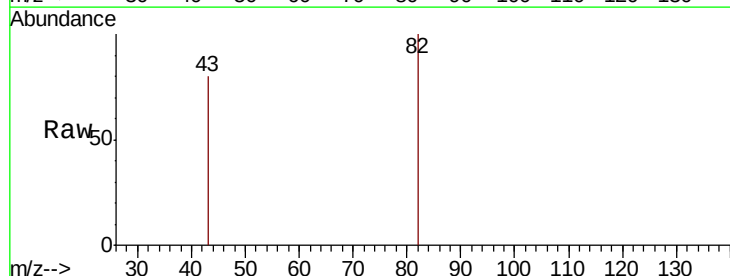
Instrument :  
BNA\_F  
ClientSampleId :  
TT-013-IDWSO-20190823

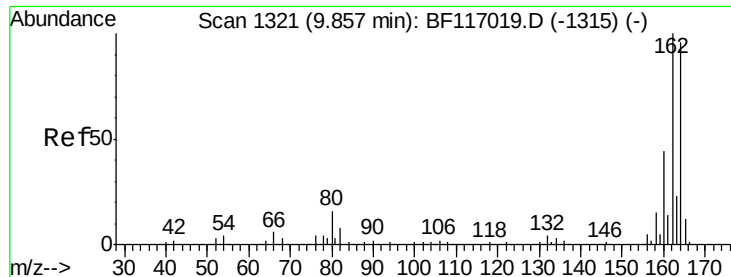
|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 256264 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 10.6    | 9.0   | 13.4   |
| 54 5.1      | 4.5   | 6.7    |
| 68 4.1      | 4.0   | 6.0    |



#23  
Nitrobenzene-d5  
Concen: 0.080 ng  
RT: 7.40 min Scan# 903  
Delta R.T. 0.01 min  
Lab File: BF117114.D  
Acq: 17 Sep 2019 18:38

|             |             |
|-------------|-------------|
| Tgt Ion: 82 | Resp: 388   |
| Ratio       | Lower Upper |
| 82 100      |             |
| 128 0.0     | 32.3 48.5#  |
| 54 0.0      | 33.3 49.9#  |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117114.D

Acq: 17 Sep 2019 18:38

Instrument :

BNA\_F

ClientSampleId :

TT-013-IDWSO-20190823

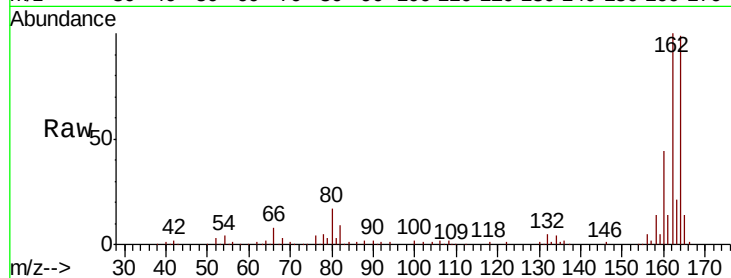
Tot Ion:164 Resp: 134881

Ion Ratio Lower Upper

164 100

162 101.4 83.4 125.2

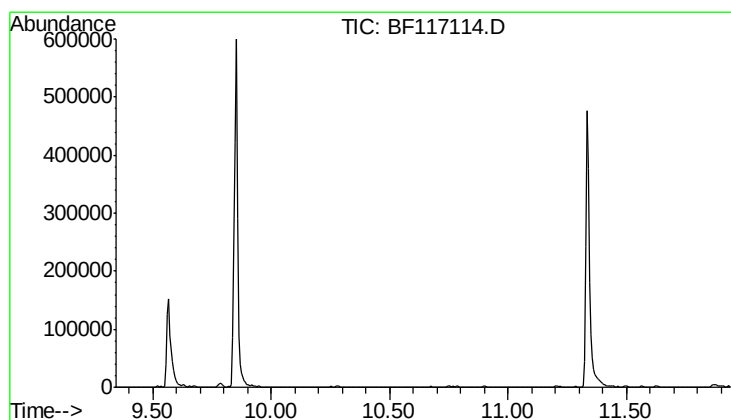
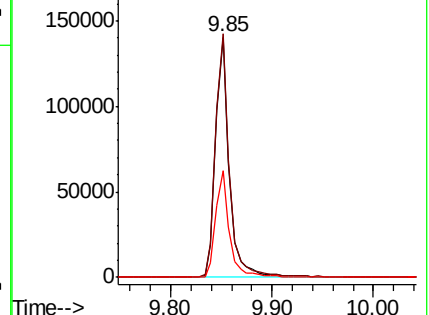
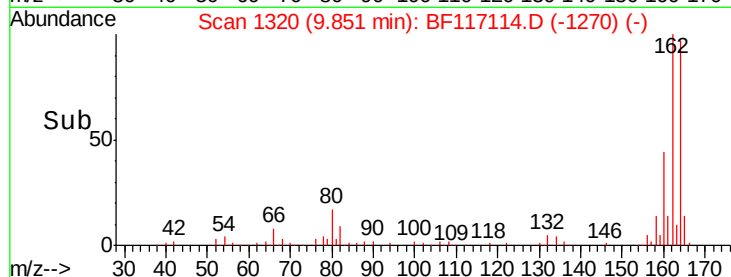
160 44.6 36.4 54.6



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: 0.000 ng

Expected RT: 10.65 min

Lab File: BF117114.D

Acq: 17 Sep 2019 18:38

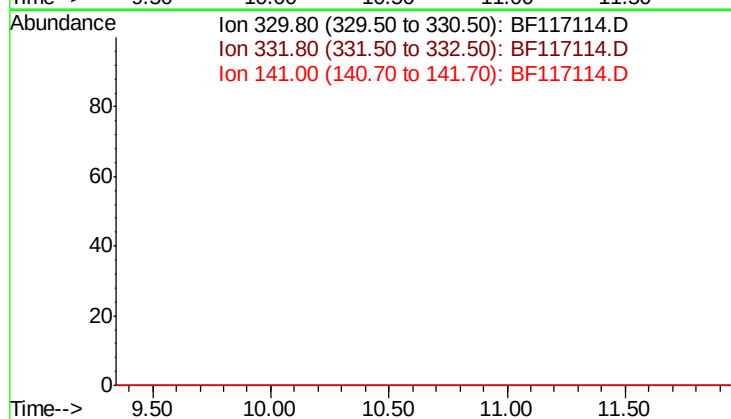
Tgt Ion: 330

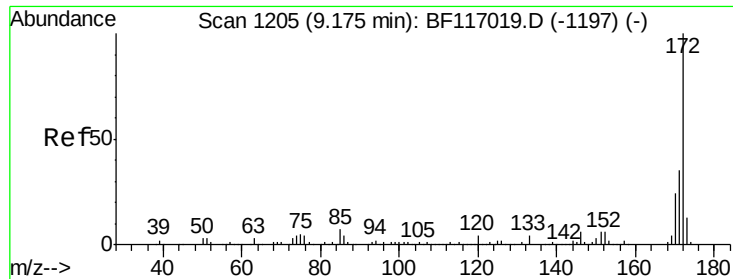
Sig Exp Ratio

330 100

332 97.5

141 44.7

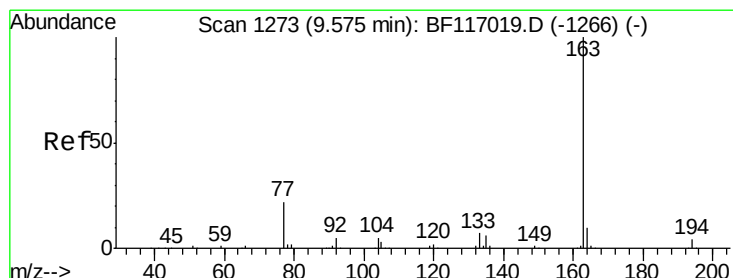
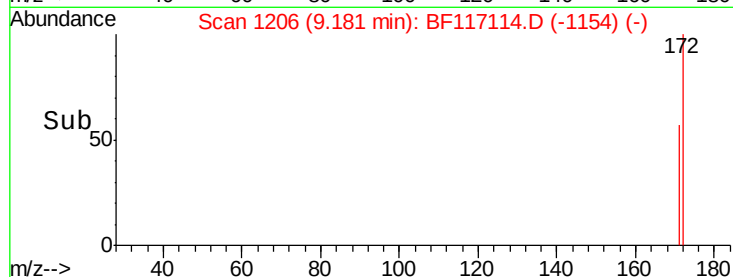
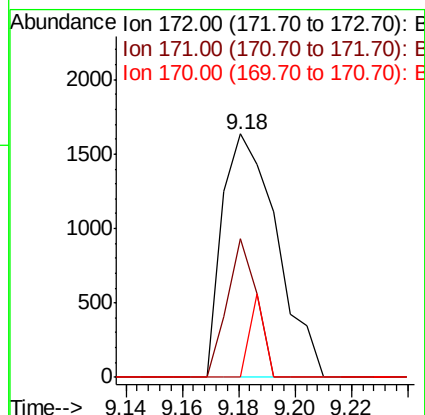
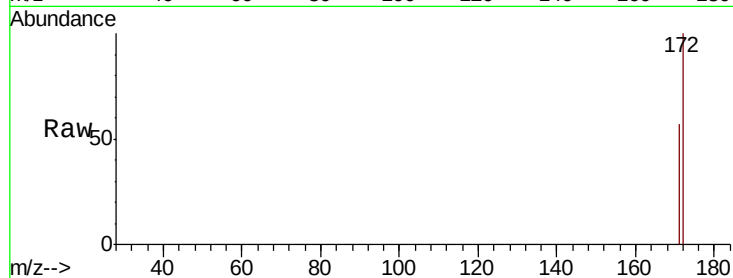




#45  
 2-Fluorobiphenyl  
 Concen: 0.253 ng  
 RT: 9.18 min Scan# 1206  
 Delta R.T. 0.01 min  
 Lab File: BF117114.D  
 Acq: 17 Sep 2019 18:38

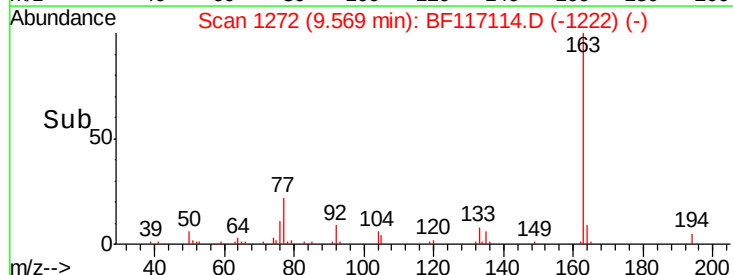
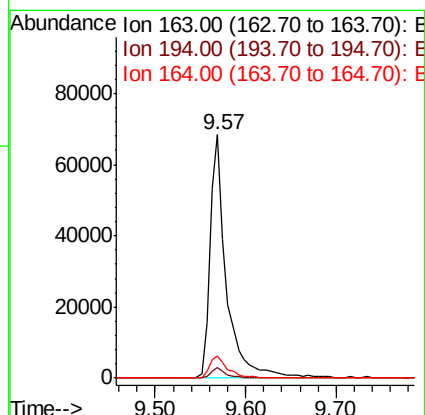
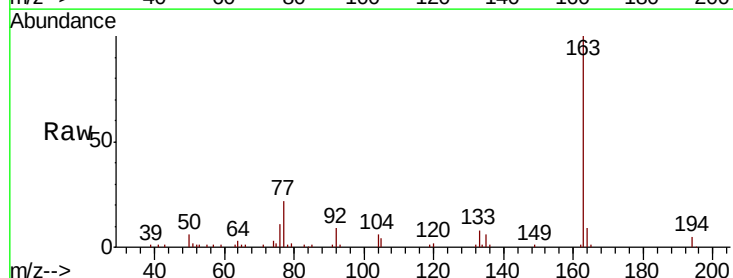
Instrument :  
 BNA\_F  
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 TT-013-IDWSO-20190823

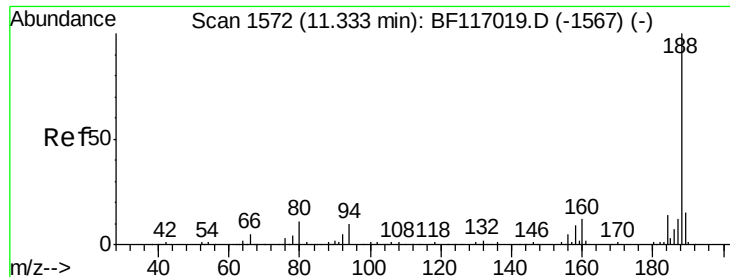
Tot Ion:172 Resp: 2185  
 Ion Ratio Lower Upper  
 172 100  
 171 56.8 28.2 42.2#  
 170 0.0 18.9 28.3#



#50  
 Dimethylphthalate  
 Concen: 9.105 ng  
 RT: 9.57 min Scan# 1272  
 Delta R.T. -0.01 min  
 Lab File: BF117114.D  
 Acq: 17 Sep 2019 18:38

Tgt Ion:163 Resp: 86951  
 Ion Ratio Lower Upper  
 163 100  
 194 4.6 2.9 4.3#  
 164 8.9 8.2 12.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BF117114.D

Acq: 17 Sep 2019 18:38

Instrument :

BNA\_F

ClientSampleId :

TT-013-IDWSO-20190823

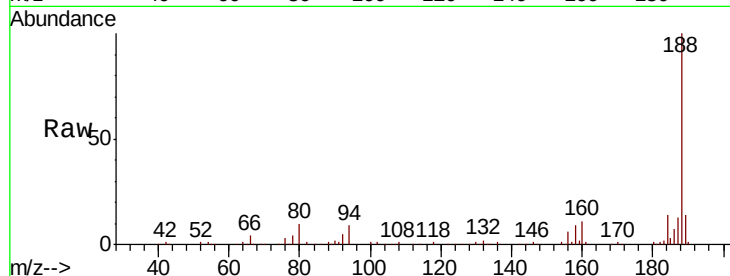
Tot Ion:188 Resp: 228583

Ion Ratio Lower Upper

188 100

94 9.1 8.2 12.2

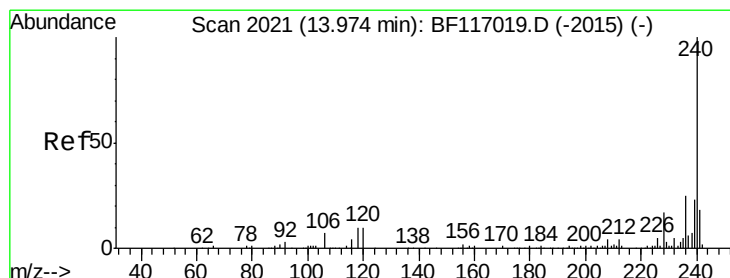
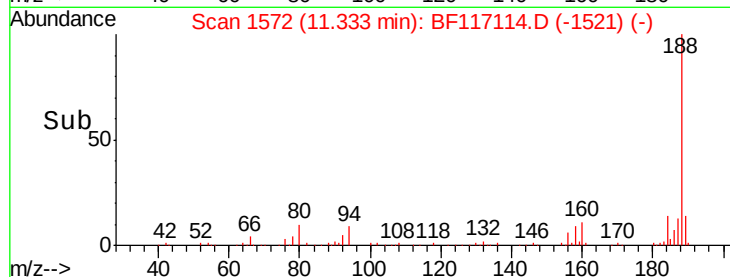
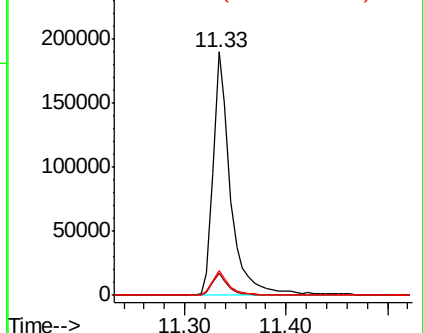
80 10.4 9.0 13.6



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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF117114.D

Acq: 17 Sep 2019 18:38

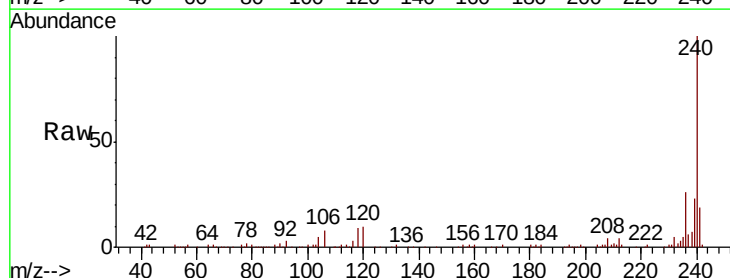
Tgt Ion:240 Resp: 171124

Ion Ratio Lower Upper

240 100

120 9.8 8.3 12.5

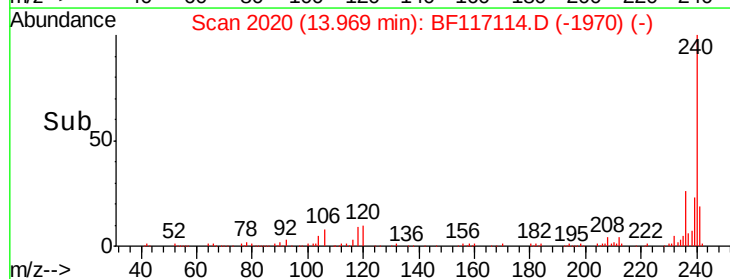
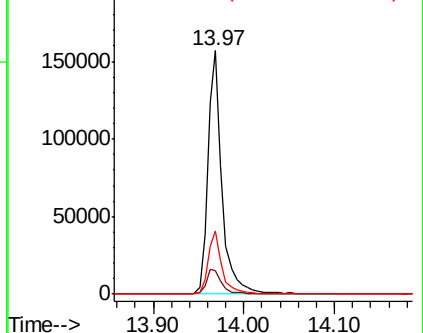
236 26.1 20.3 30.5



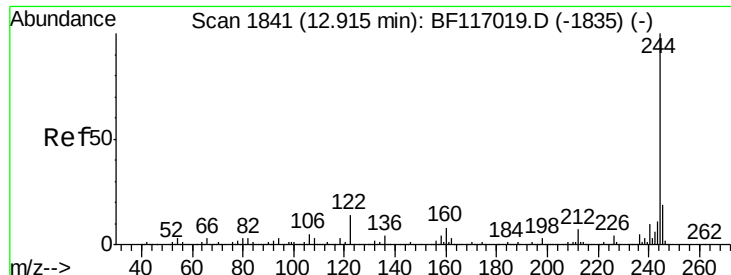
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#79

Terphenyl-d14

Concen: 0.311 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF117114.D

Acq: 17 Sep 2019 18:38

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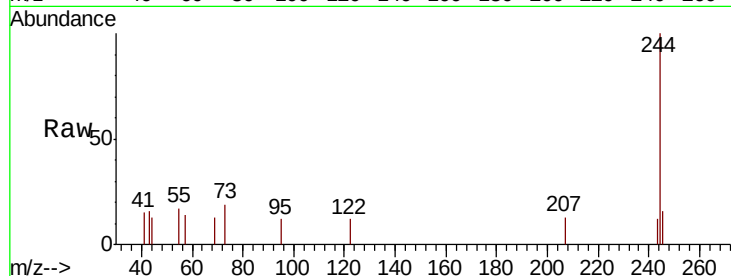
Tot Ion:244 Resp: 2849

Ion Ratio Lower Upper

244 100

212 0.0 5.8 8.8#

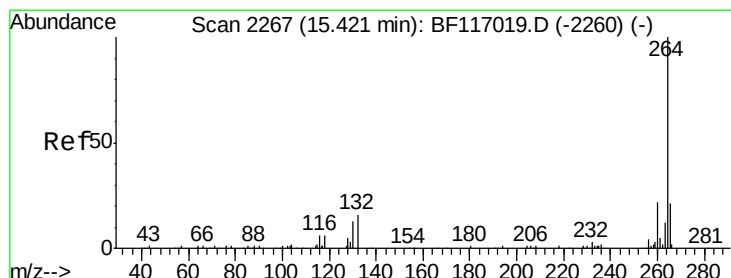
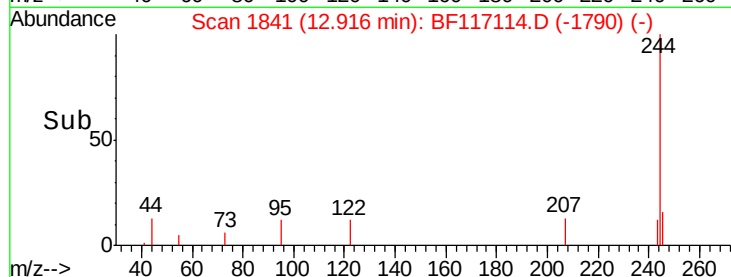
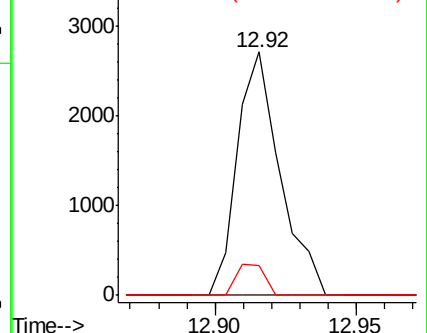
122 12.0 11.3 16.9



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

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.01 min

Lab File: BF117114.D

Acq: 17 Sep 2019 18:38

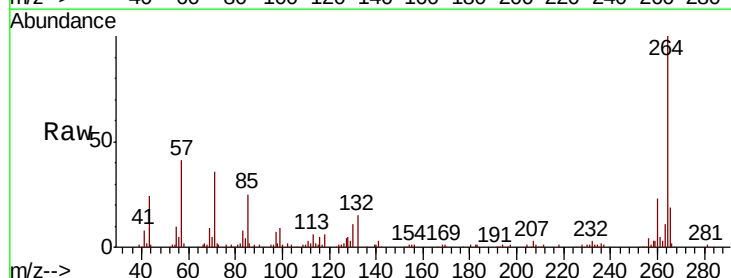
Tgt Ion:264 Resp: 155284

Ion Ratio Lower Upper

264 100

260 22.8 17.6 26.4

265 19.1 16.6 24.8



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

