

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\  
 Data File : BF111656.D  
 Acq On : 20 Dec 2018 23:18  
 Operator : JU/SJ  
 Sample : J6362-04  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P-4

Quant Time: Dec 21 12:13:12 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 19 17:39:39 2018  
 Response via : Initial Calibration

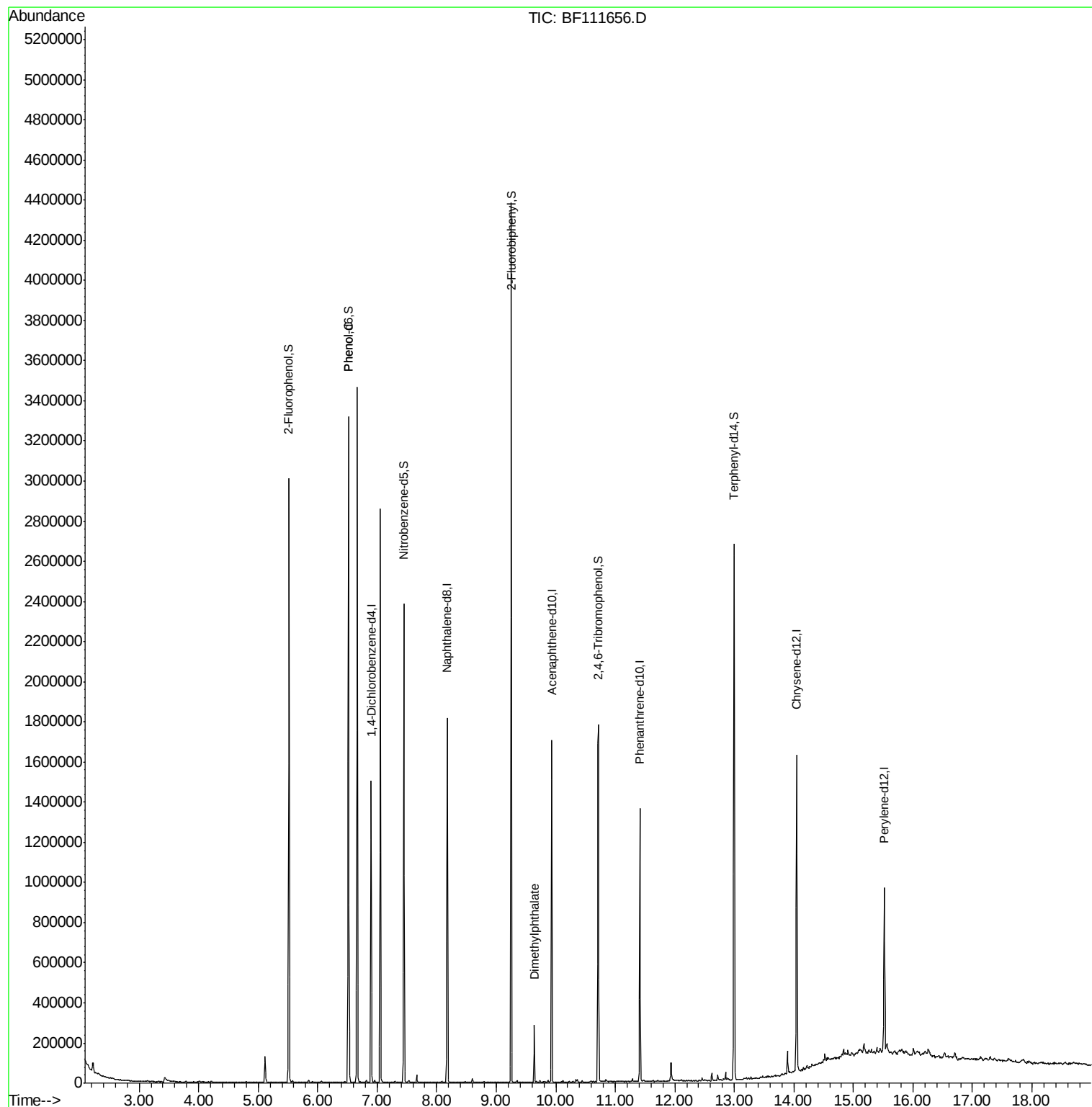
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.90  | 152  | 209779   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.17  | 136  | 767202   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.93  | 164  | 340296   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.42 | 188  | 526382   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.04 | 240  | 502709   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 15.52 | 264  | 378959   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.52  | 112  | 842235   | 68.43 | ng    | 0.00     |
| 7) Phenol-d6                | 6.52  | 99   | 1076101  | 68.70 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 656431   | 49.80 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.72 | 330  | 224600   | 55.86 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.25  | 172  | 1187886  | 50.88 | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.00 | 244  | 957204   | 36.11 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 10) Phenol                  | 6.53  | 94   | 74496    | 4.215 | ng    | 89       |
| 50) Dimethylphthalate       | 9.64  | 163  | 96238    | 3.867 | ng    | 98       |

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

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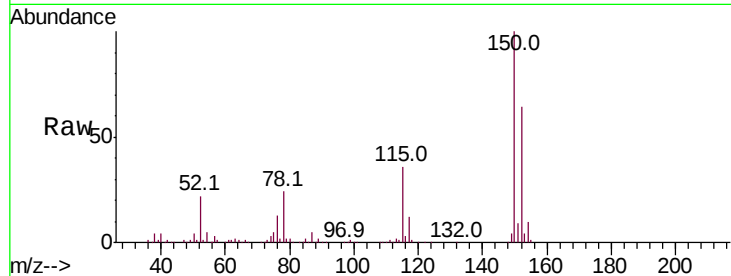


#1

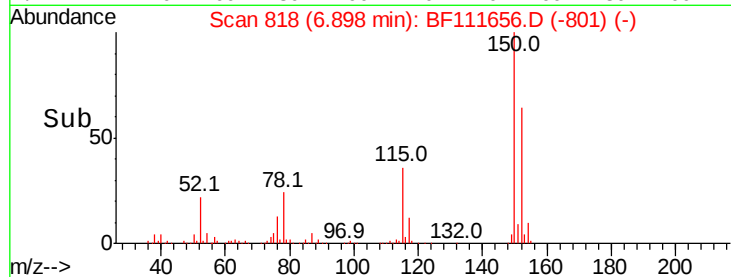
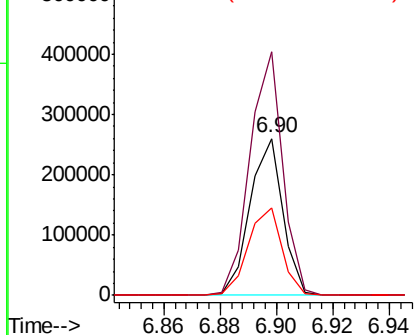
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.90 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: BF111656.D  
Acq: 20 Dec 2018 23:18

Instrument :  
BNA\_F  
ClientSampleId :  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.1 | 126.6 | 189.8 |
| 115     | 56.0  | 50.7  | 76.1  |



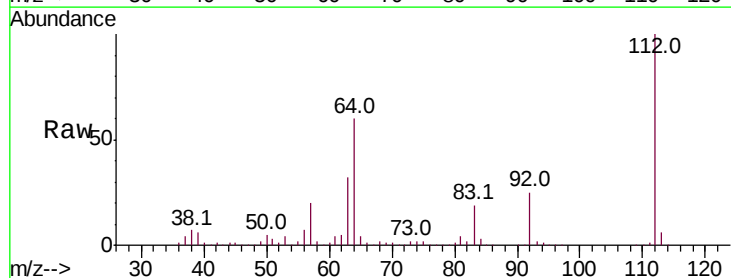
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



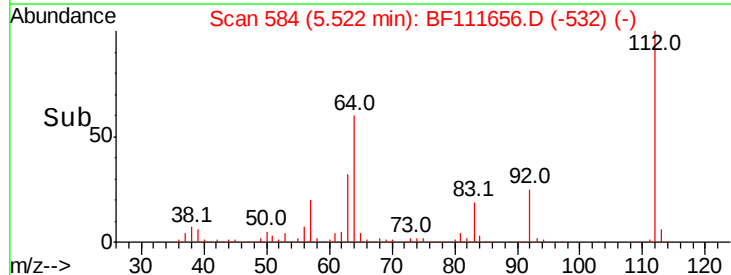
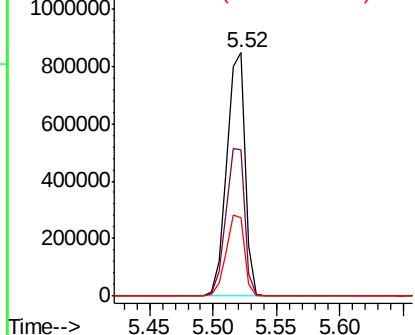
#5

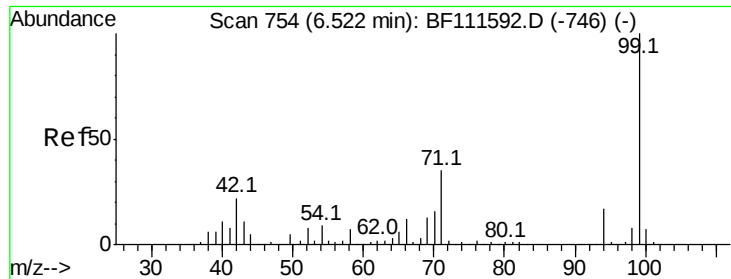
2-Fluorophenol  
Concen: 68.435 ng  
RT: 5.52 min Scan# 584  
Delta R.T. 0.01 min  
Lab File: BF111656.D  
Acq: 20 Dec 2018 23:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 60.1  | 51.8  | 77.6  |
| 63      | 32.4  | 26.8  | 40.2  |



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: 68.705 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF111656.D

Acq: 20 Dec 2018 23:18

Instrument :

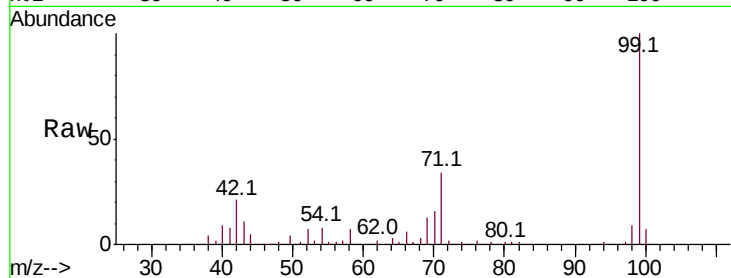
BNA\_F

ClientSampled :

P-4

Tot Ion: 99 Resp: 1076101

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 21.4  | 17.4  | 26.0  |
| 71  | 34.4  | 26.1  | 39.1  |

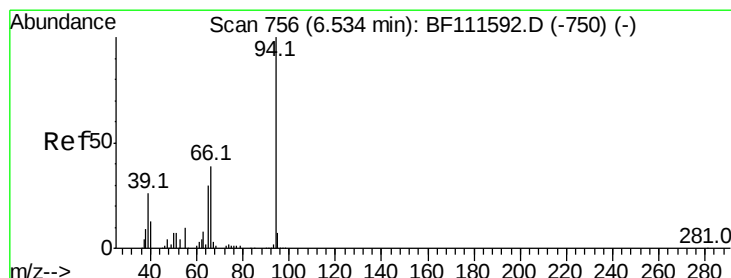
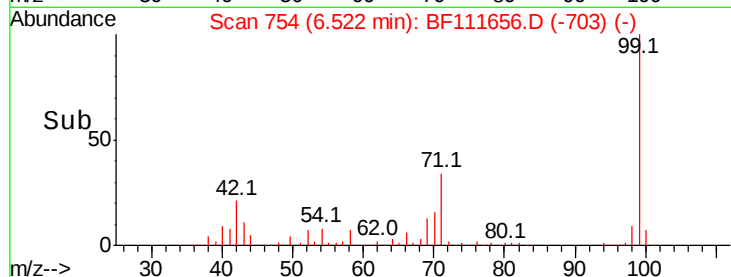


Abundance

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: 4.215 ng

RT: 6.53 min Scan# 755

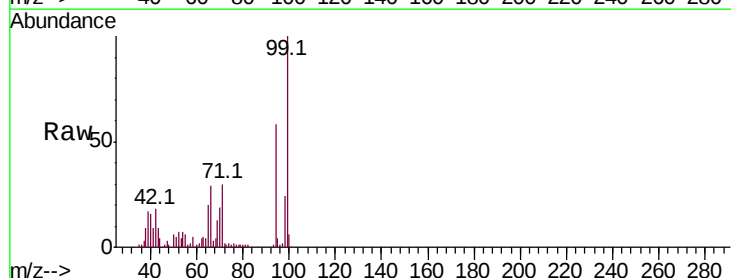
Delta R.T. -0.01 min

Lab File: BF111656.D

Acq: 20 Dec 2018 23:18

Tgt Ion: 94 Resp: 74496

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 34.1  | 11.7  | 51.7  |
| 66  | 50.7  | 21.0  | 61.0  |

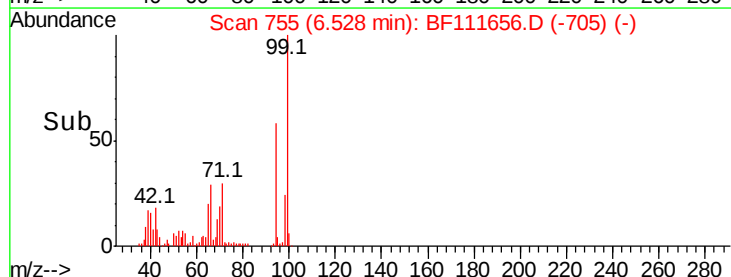


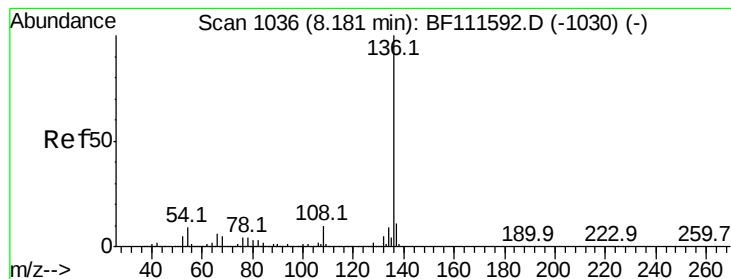
Abundance

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: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF111656.D

Acq: 20 Dec 2018 23:18

Instrument :

BNA\_F

ClientSampled :

P-4

Tot Ion:136 Resp: 767202

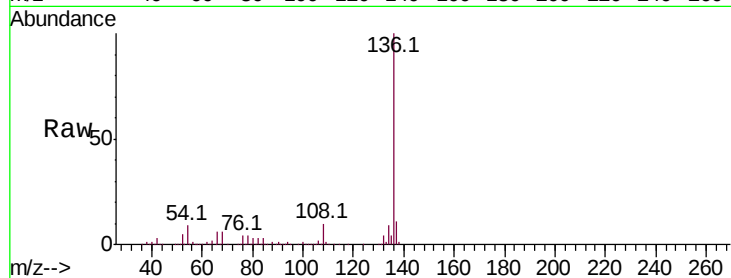
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 9.2 7.7 11.5

68 5.8 4.9 7.3

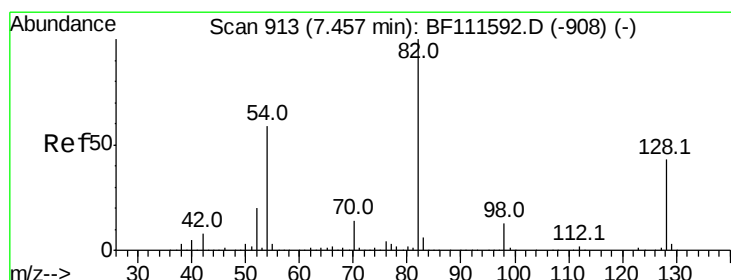
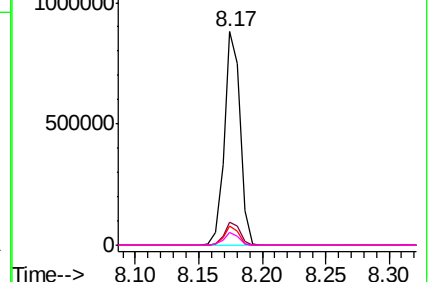
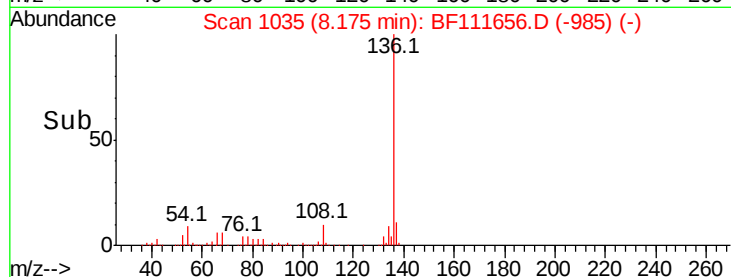


Abundance Ion 136.00 (135.70 to 136.70): E

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: 49.804 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF111656.D

Acq: 20 Dec 2018 23:18

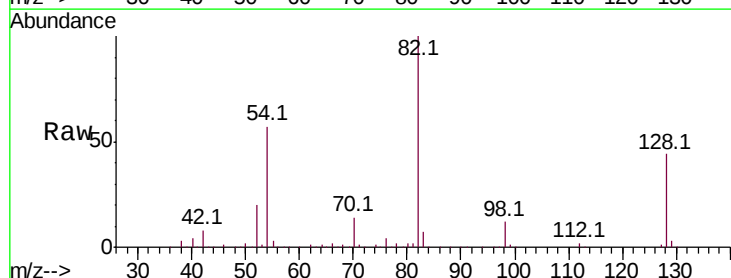
Tgt Ion: 82 Resp: 656431

Ion Ratio Lower Upper

82 100

128 44.2 37.4 56.2

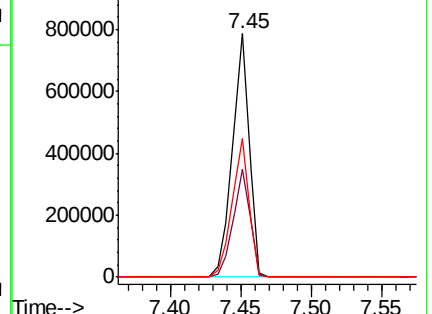
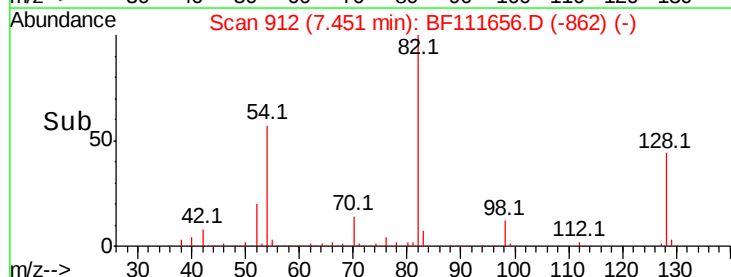
54 56.9 47.6 71.4

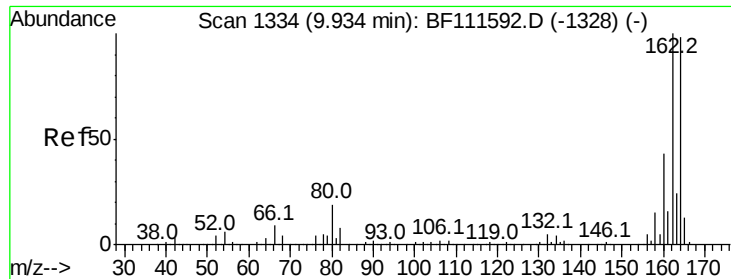


Abundance Ion 82.00 (81.70 to 82.70): BF1

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: 9.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF111656.D

Acq: 20 Dec 2018 23:18

Instrument :

BNA\_F

ClientSampled :

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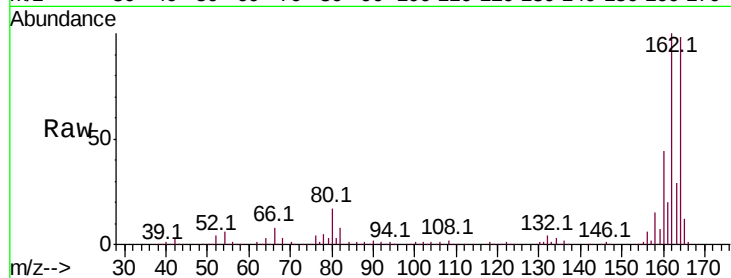
Tot Ion:164 Resp: 340296

Ion Ratio Lower Upper

164 100

162 102.0 81.4 122.0

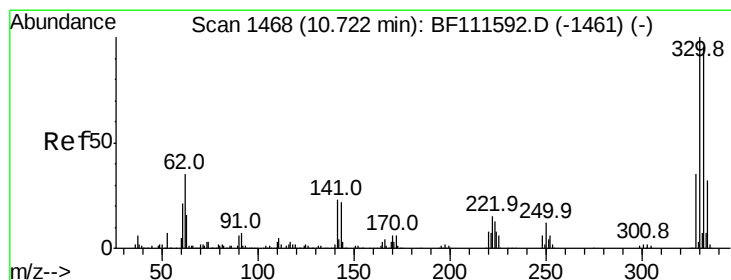
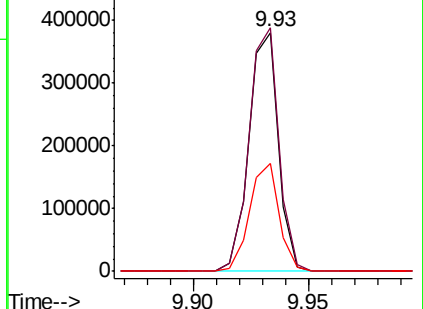
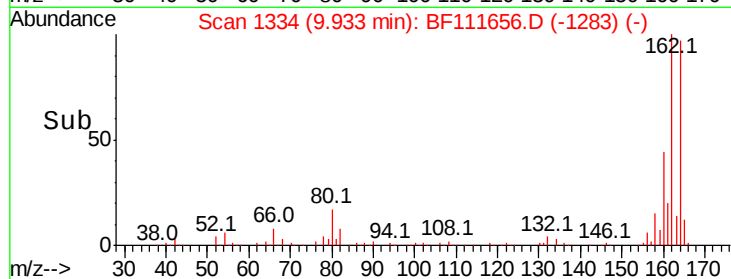
160 45.3 35.7 53.5



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: 55.859 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF111656.D

Acq: 20 Dec 2018 23:18

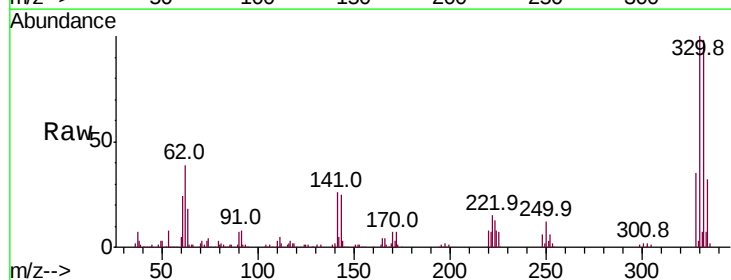
Tgt Ion:330 Resp: 224600

Ion Ratio Lower Upper

330 100

332 96.5 76.0 114.0

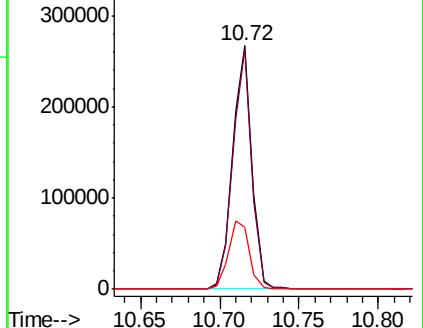
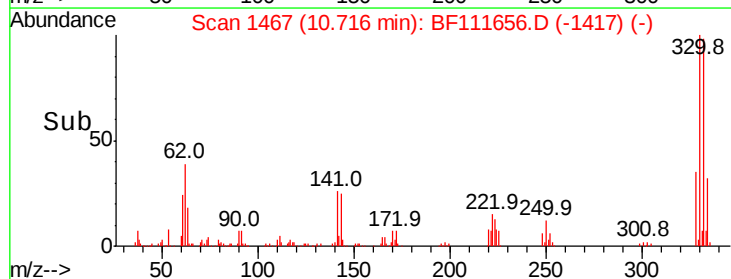
141 30.5 31.0 46.6#

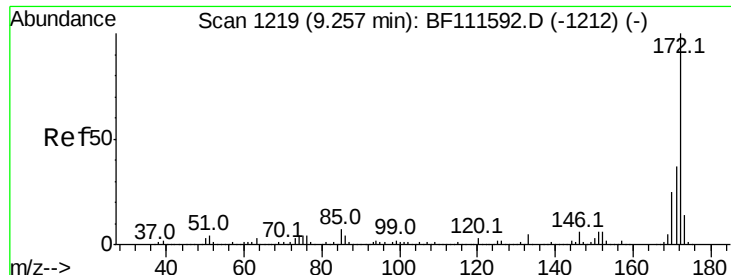


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

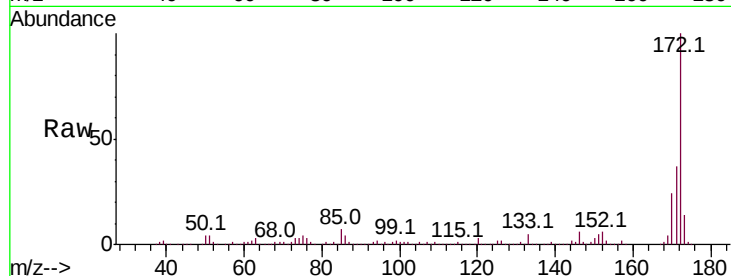




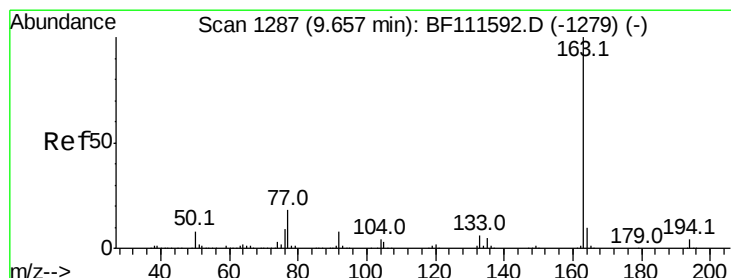
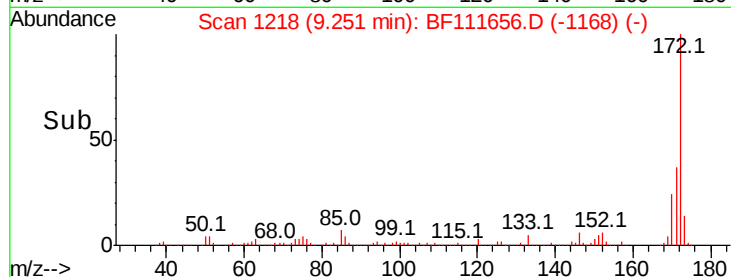
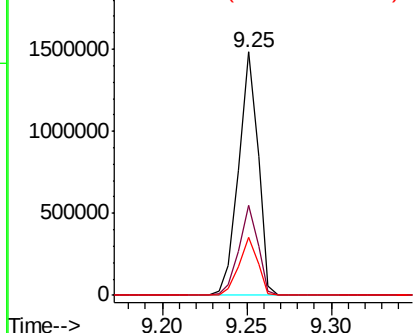
#45  
2-Fluorobiphenyl  
Concen: 50.880 ng  
RT: 9.25 min Scan# 1218  
Delta R.T. -0.01 min  
Lab File: BF111656.D  
Acq: 20 Dec 2018 23:18

Instrument :  
BNA\_F  
ClientSampleId :  
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Tot Ion:172 Resp: 1187886  
Ion Ratio Lower Upper  
172 100  
171 36.9 33.0 49.4  
170 23.9 22.3 33.5

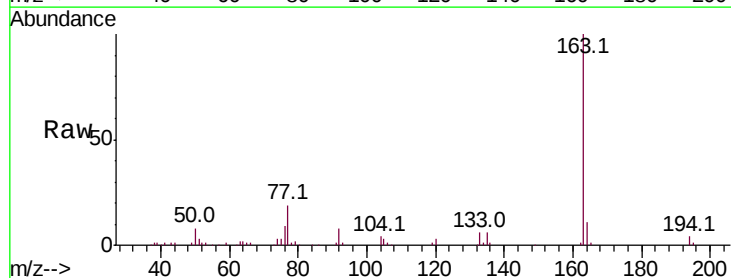


Abundance Ion 172.00 (171.70 to 172.70): E  
2000000 Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

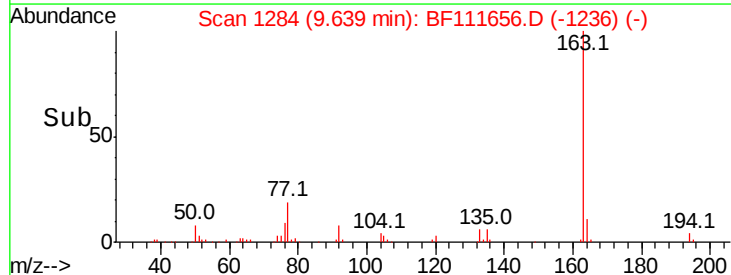
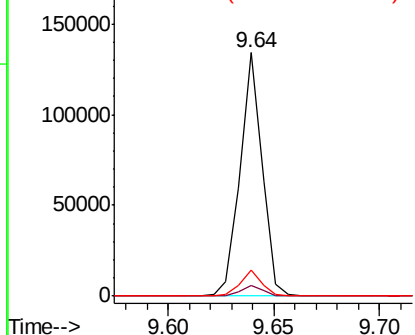


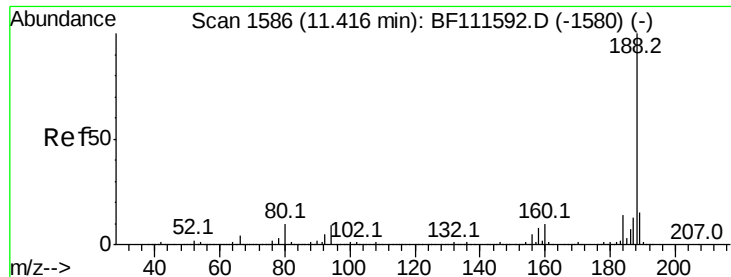
#50  
Dimethylphthalate  
Concen: 3.867 ng  
RT: 9.64 min Scan# 1284  
Delta R.T. -0.02 min  
Lab File: BF111656.D  
Acq: 20 Dec 2018 23:18

Tgt Ion:163 Resp: 96238  
Ion Ratio Lower Upper  
163 100  
194 4.4 3.0 4.6  
164 10.5 8.9 13.3



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF111656.D

Acq: 20 Dec 2018 23:18

Instrument :

BNA\_F

ClientSampleId :

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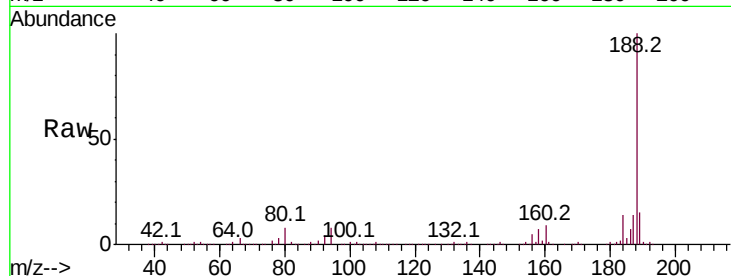
Tot Ion:188 Resp: 526382

Ion Ratio Lower Upper

188 100

94 8.3 9.6 14.4#

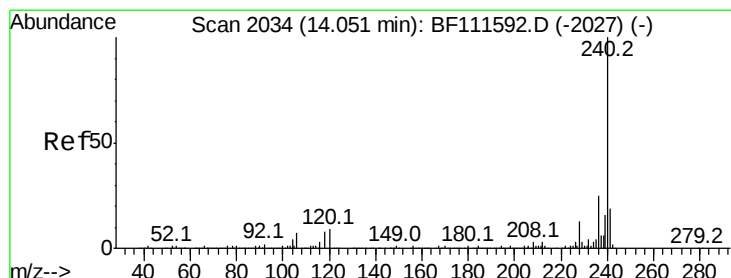
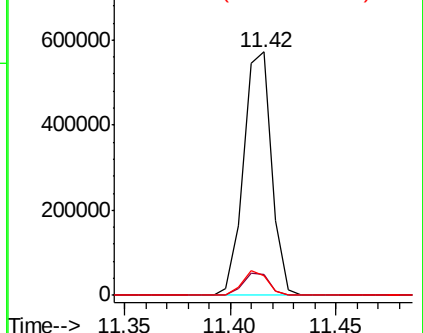
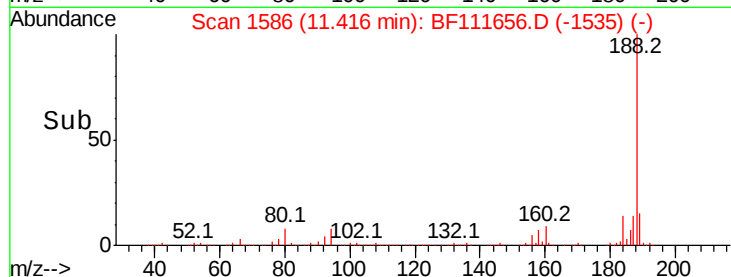
80 8.1 9.8 14.6#



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: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF111656.D

Acq: 20 Dec 2018 23:18

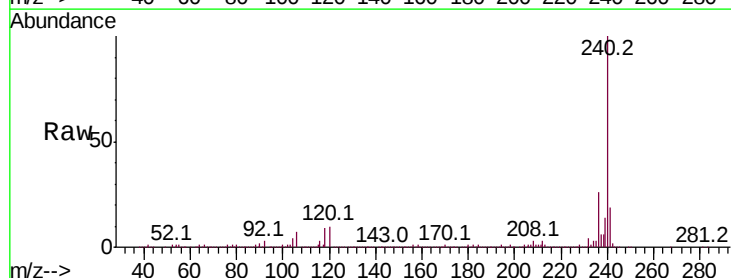
Tgt Ion:240 Resp: 502709

Ion Ratio Lower Upper

240 100

120 10.5 12.2 18.2#

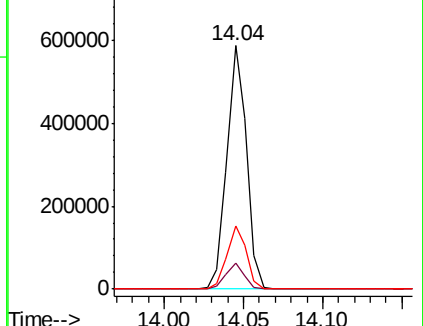
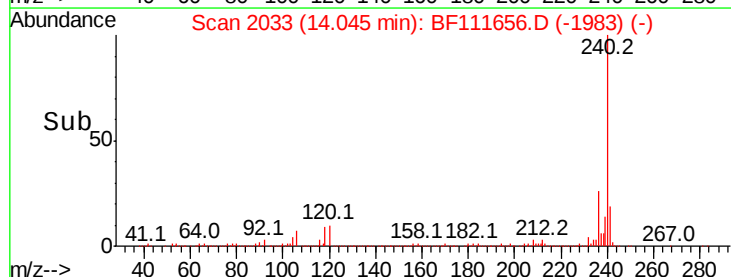
236 25.9 20.2 30.2

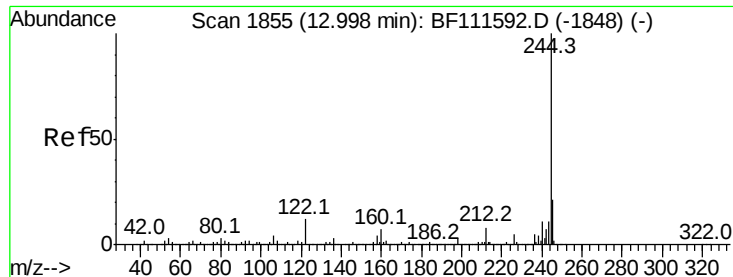


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 36.110 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF111656.D

Acq: 20 Dec 2018 23:18

Instrument :

BNA\_F

ClientSampled :

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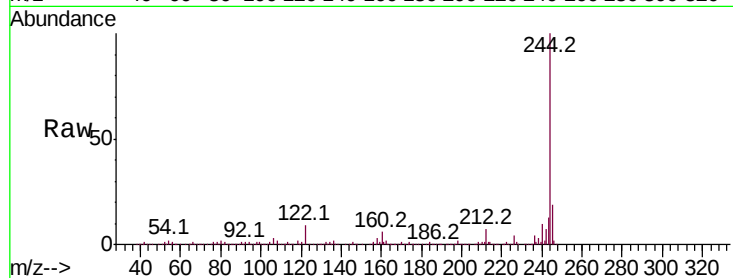
Tot Ion:244 Resp: 957204

Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

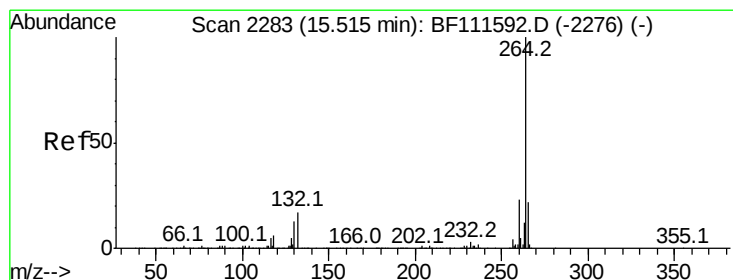
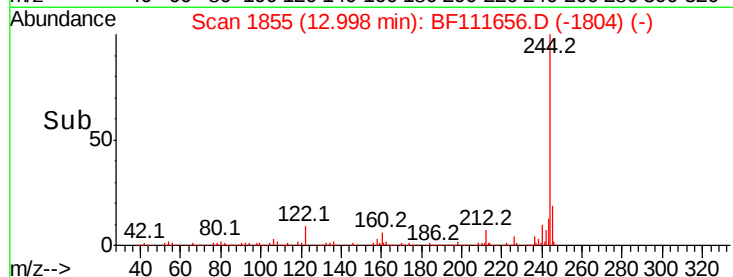
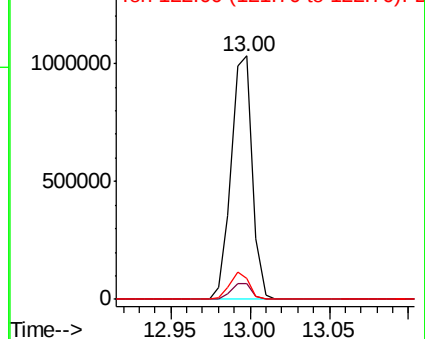
122 8.8 13.1 19.7#



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: 15.52 min Scan# 2284

Delta R.T. 0.01 min

Lab File: BF111656.D

Acq: 20 Dec 2018 23:18

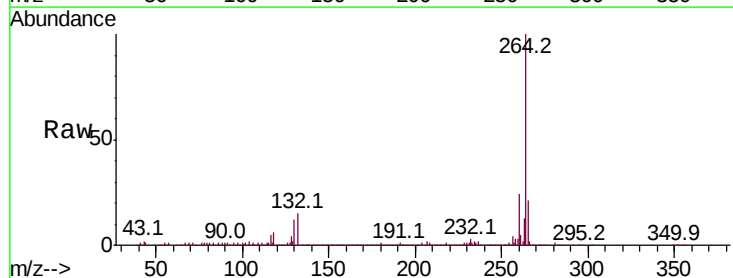
Tgt Ion:264 Resp: 378959

Ion Ratio Lower Upper

264 100

260 24.3 18.3 27.5

265 21.4 17.7 26.5



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

