

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101717\  
 Data File : BF099588.D  
 Acq On : 17 Oct 2017 18:33  
 Operator : SJ/JU  
 Sample : I5794-10  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-117-3(10-15)

Quant Time: Oct 17 23:51:55 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 17 17:32:20 2017  
 Response via : Initial Calibration

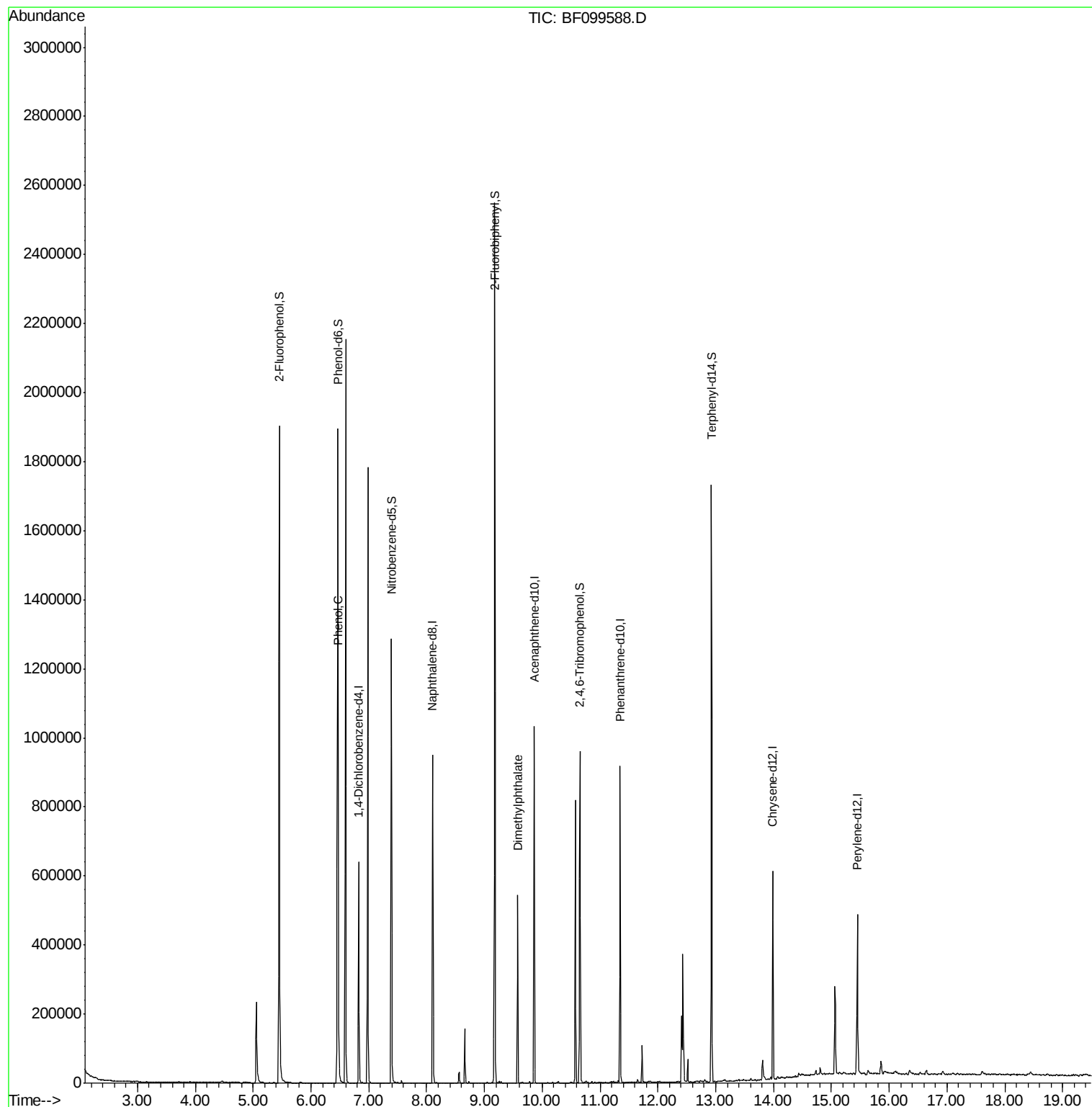
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.83  | 152  | 108106   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.10  | 136  | 448342   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.86  | 164  | 199083   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.35 | 188  | 324023   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.99 | 240  | 188960   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.45 | 264  | 190492   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.45  | 112  | 595951   | 87.76  | ng    | 0.00     |
| 7) Phenol-d6                | 6.46  | 99   | 729887   | 87.13  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.39  | 82   | 409531   | 58.58  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.65 | 330  | 101153   | 62.09  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.18  | 172  | 789072   | 66.17  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.93 | 244  | 520414   | 62.63  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.47  | 94   | 46247    | 4.936  | ng    | 96       |
| 49) Dimethylphthalate       | 9.57  | 163  | 202303   | 13.464 | ng    | 100      |

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

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EPE-117-3(10-15)

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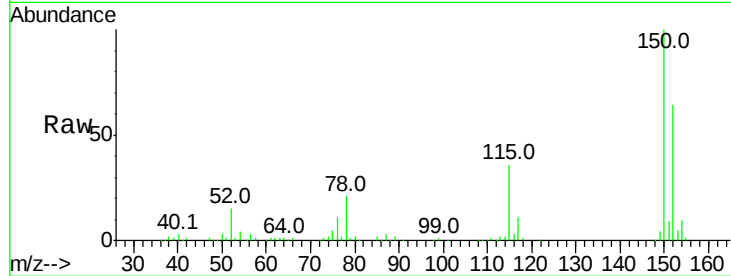


#1

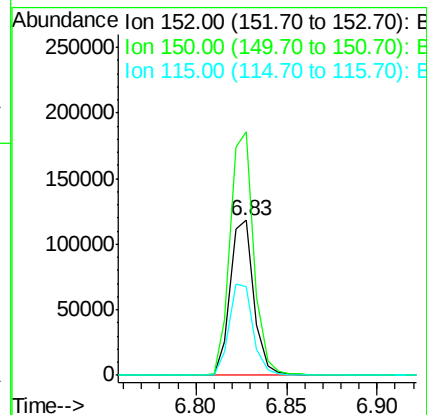
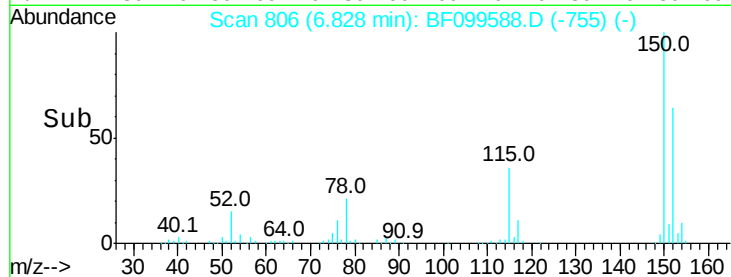
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.83 min Scan# 806  
Delta R.T. -0.00 min  
Lab File: BF099588.D  
Acq: 17 Oct 2017 18:33

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-117-3(10-15)

Tot Ion:152 Resp: 108106  
Ion Ratio Lower Upper  
152 100  
150 156.9 124.6 186.8  
115 56.8 50.1 75.1



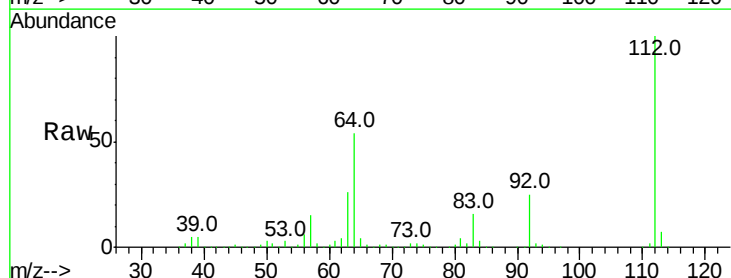
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



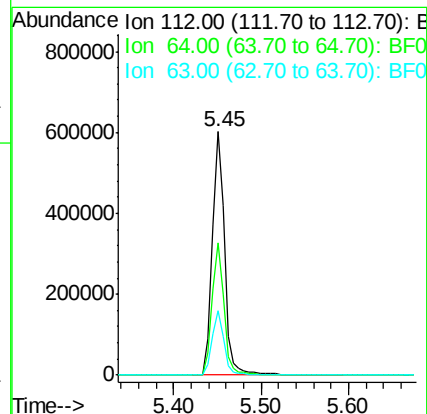
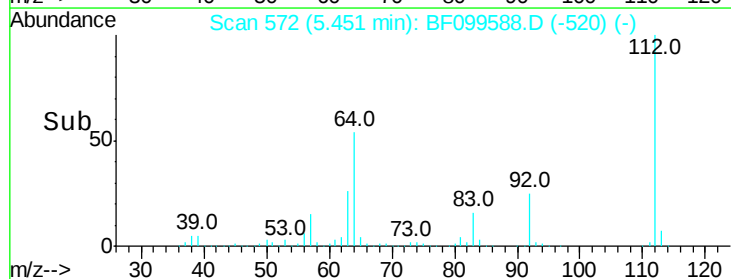
#5

2-Fluorophenol  
Concen: 87.756 ng  
RT: 5.45 min Scan# 572  
Delta R.T. 0.01 min  
Lab File: BF099588.D  
Acq: 17 Oct 2017 18:33

Tgt Ion:112 Resp: 595951  
Ion Ratio Lower Upper  
112 100  
64 54.5 47.9 71.9  
63 26.2 23.7 35.5



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: 87.125 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF099588.D

Acq: 17 Oct 2017 18:33

Instrument :

BNA\_F

ClientSampleId :

EPE-117-3(10-15)

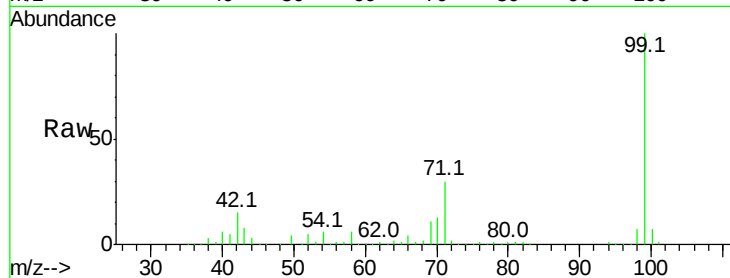
Tot Ion: 99 Resp: 729887

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
|-----|-------|-------|-------|

|    |     |  |  |
|----|-----|--|--|
| 99 | 100 |  |  |
|----|-----|--|--|

|    |      |      |      |
|----|------|------|------|
| 42 | 14.7 | 14.5 | 21.7 |
|----|------|------|------|

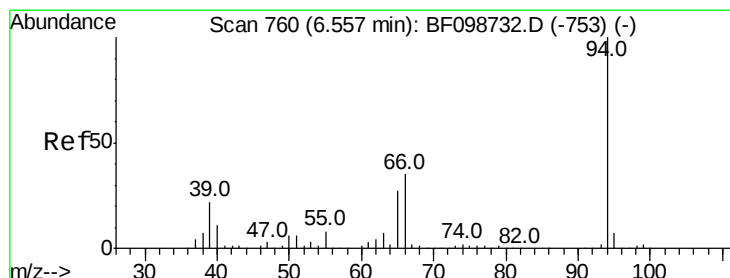
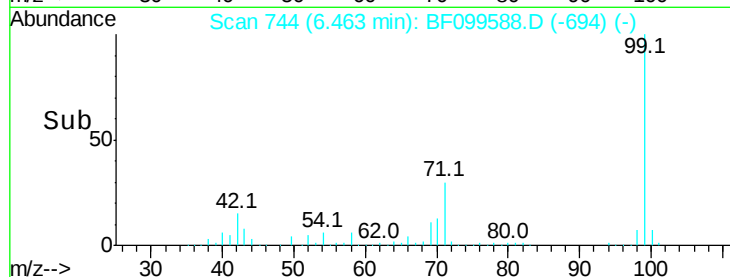
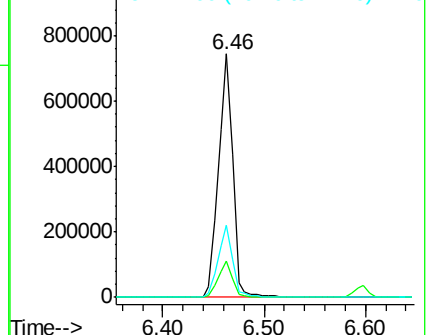
|    |      |      |      |
|----|------|------|------|
| 71 | 29.9 | 25.4 | 38.0 |
|----|------|------|------|



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: 4.936 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF099588.D

Acq: 17 Oct 2017 18:33

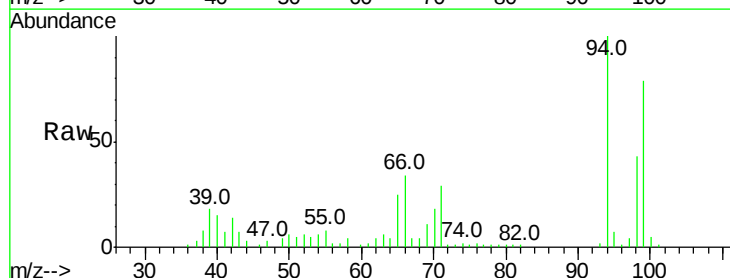
Tgt Ion: 94 Resp: 46247

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
|-----|-------|-------|-------|

|    |     |  |  |
|----|-----|--|--|
| 94 | 100 |  |  |
|----|-----|--|--|

|    |      |     |      |
|----|------|-----|------|
| 65 | 25.3 | 7.9 | 47.9 |
|----|------|-----|------|

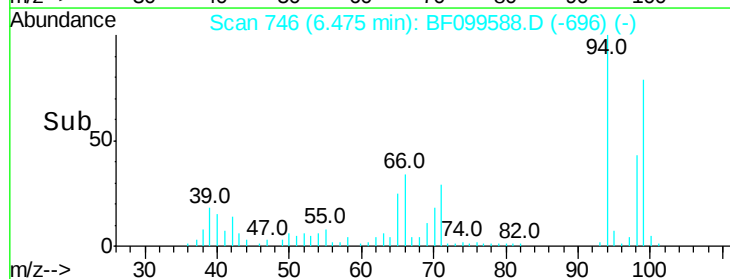
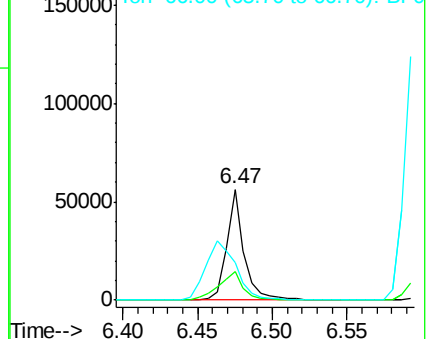
|    |      |      |      |
|----|------|------|------|
| 66 | 34.1 | 16.2 | 56.2 |
|----|------|------|------|



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

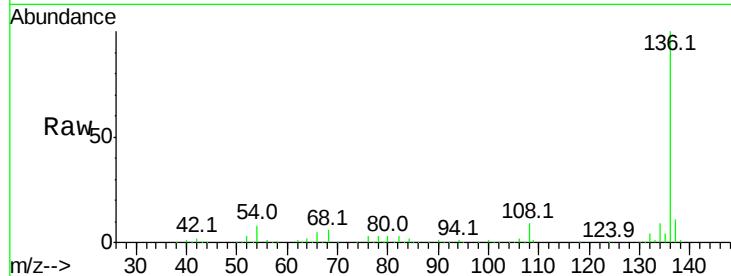




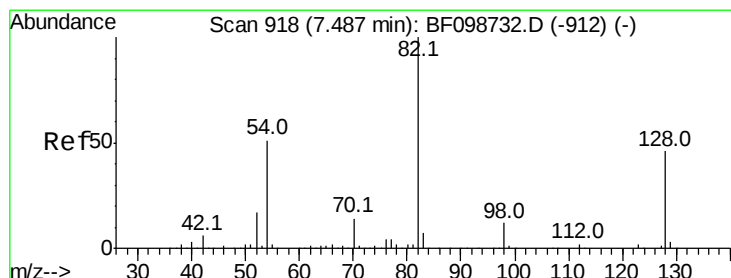
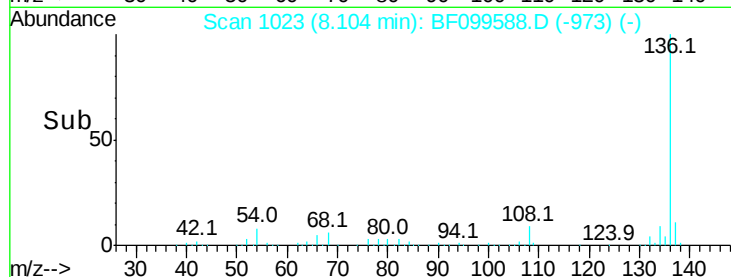
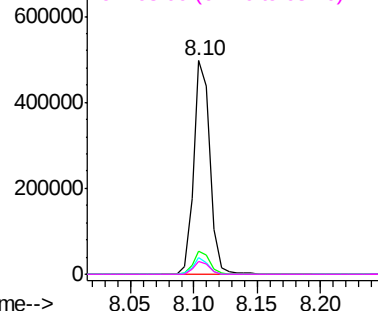
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.10 min Scan# 1023  
Delta R.T. -0.01 min  
Lab File: BF099588.D  
Acq: 17 Oct 2017 18:33

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-117-3(10-15)

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 448342 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.9   | 13.3   |
| 54       | 7.5   | 6.6   | 9.8    |
| 68       | 6.1   | 5.0   | 7.4    |

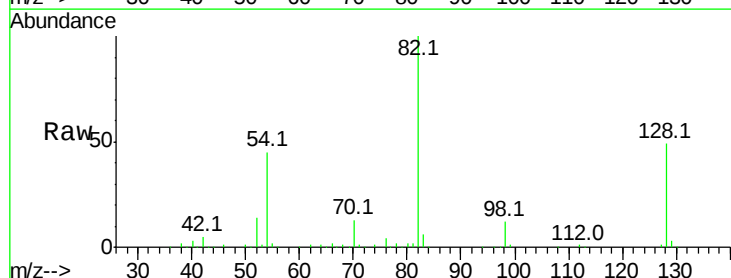


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

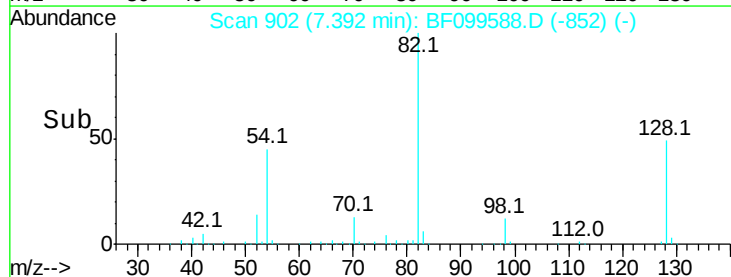
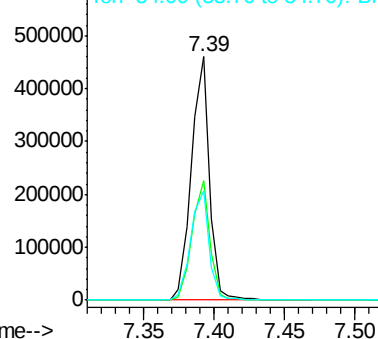


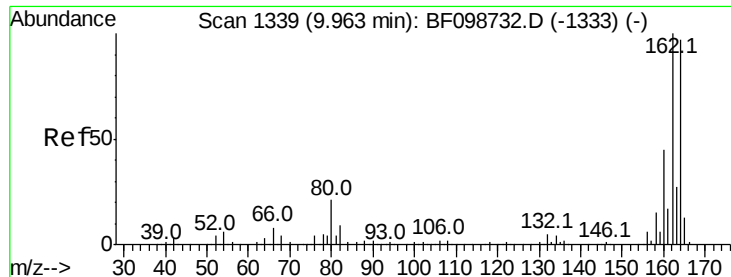
#23  
Nitrobenzene-d5  
Concen: 58.579 ng  
RT: 7.39 min Scan# 902  
Delta R.T. -0.01 min  
Lab File: BF099588.D  
Acq: 17 Oct 2017 18:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 409531 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 49.3  | 36.1  | 54.1   |
| 54       | 44.9  | 41.4  | 62.2   |



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

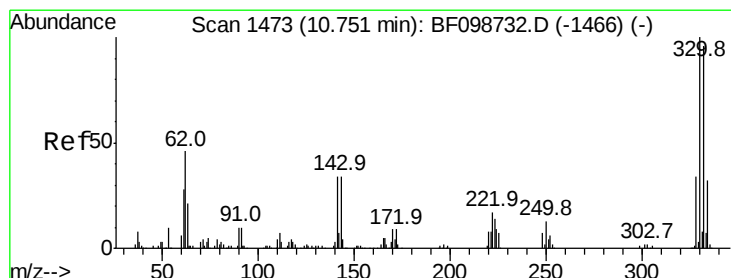
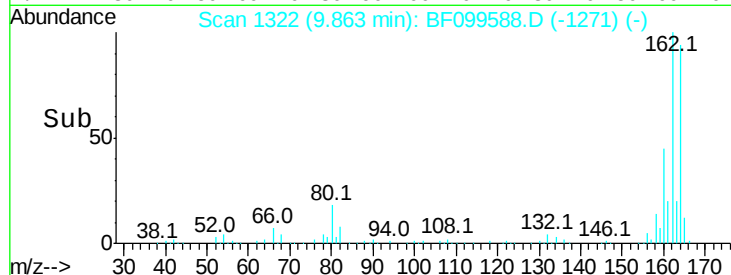
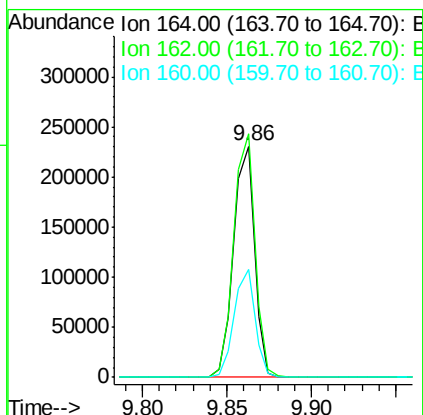
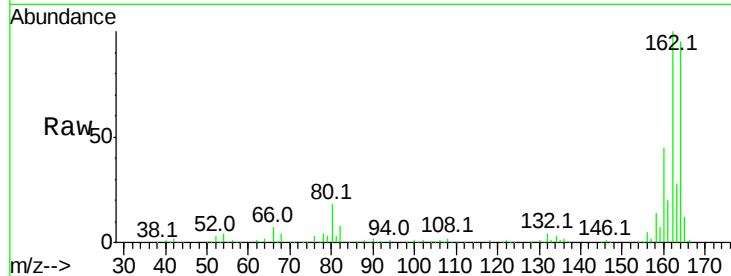




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.86 min Scan# 1322  
 Delta R.T. -0.00 min  
 Lab File: BF099588.D  
 Acq: 17 Oct 2017 18:33

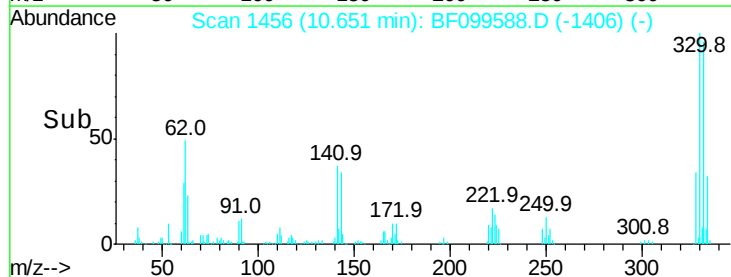
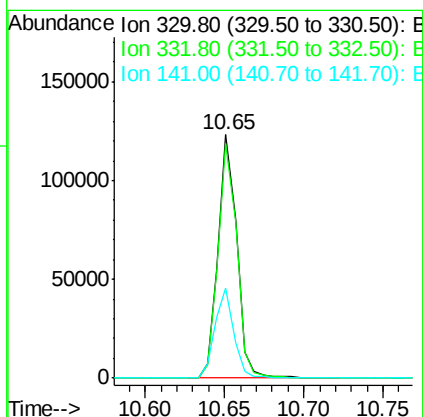
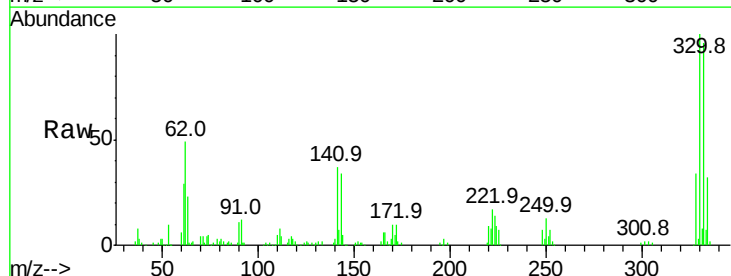
Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-117-3(10-15)

Tot Ion:164 Resp: 199083  
 Ion Ratio Lower Upper  
 164 100  
 162 105.4 86.1 129.1  
 160 47.0 38.3 57.5



#41  
 2,4,6-Tribromophenol  
 Concen: 62.094 ng  
 RT: 10.65 min Scan# 1456  
 Delta R.T. -0.01 min  
 Lab File: BF099588.D  
 Acq: 17 Oct 2017 18:33

Tgt Ion:330 Resp: 101153  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 77.0 115.6  
 141 37.3 29.9 44.9

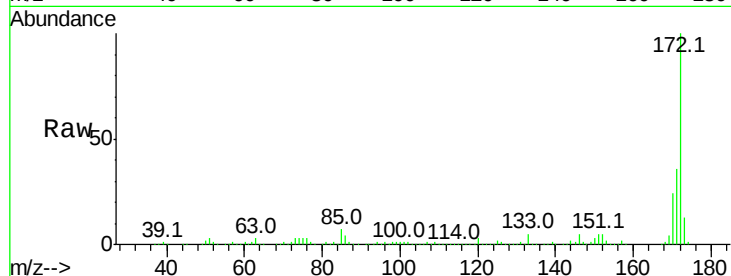




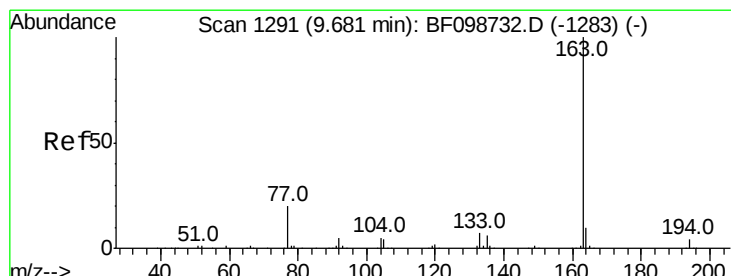
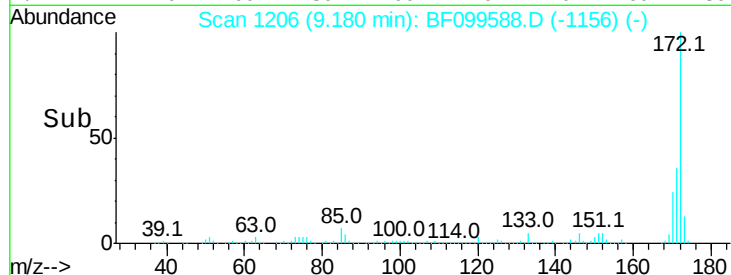
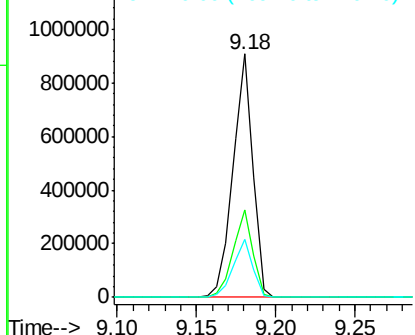
#44  
2-Fluorobiphenyl  
Concen: 66.168 ng  
RT: 9.18 min Scan# 1206  
Delta R.T. -0.01 min  
Lab File: BF099588.D  
Acq: 17 Oct 2017 18:33

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-117-3(10-15)

Tot Ion:172 Resp: 789072  
Ion Ratio Lower Upper  
172 100  
171 36.1 29.7 44.5  
170 23.9 19.6 29.4

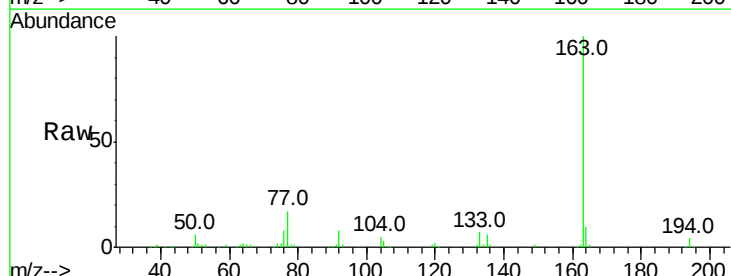


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

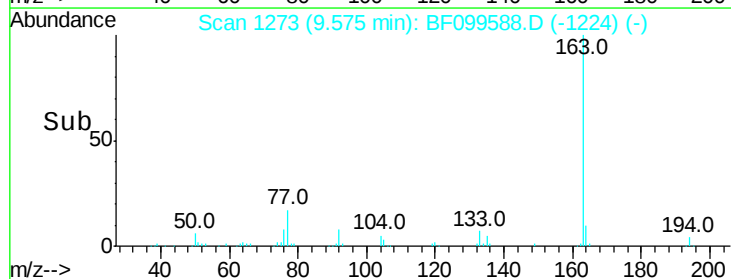
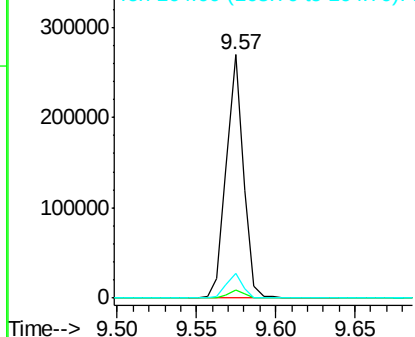


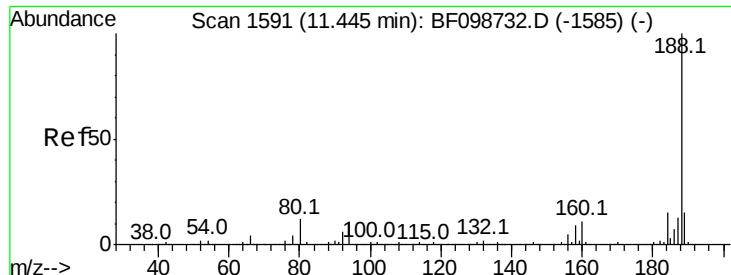
#49  
Dimethylphthalate  
Concen: 13.464 ng  
RT: 9.57 min Scan# 1273  
Delta R.T. -0.01 min  
Lab File: BF099588.D  
Acq: 17 Oct 2017 18:33

Tgt Ion:163 Resp: 202303  
Ion Ratio Lower Upper  
163 100  
194 3.5 2.7 4.1  
164 10.1 8.2 12.2



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

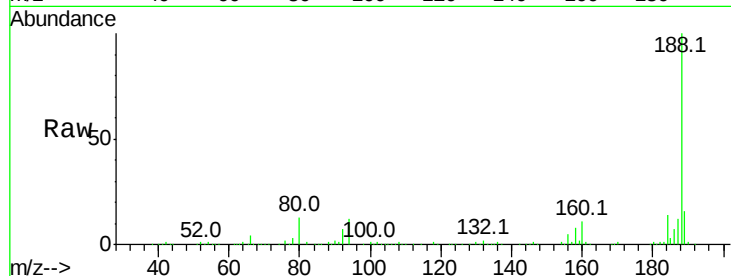




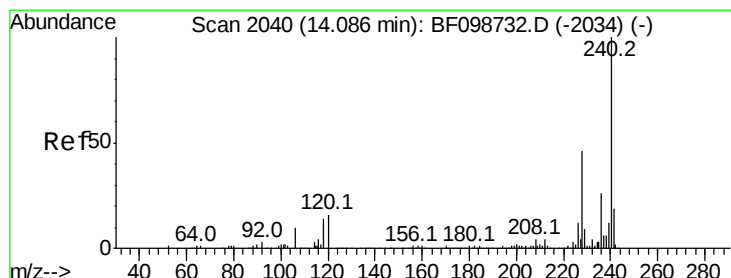
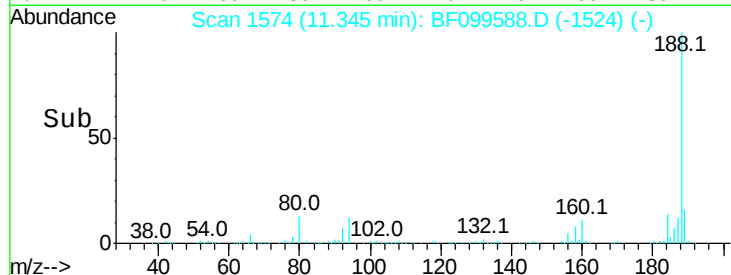
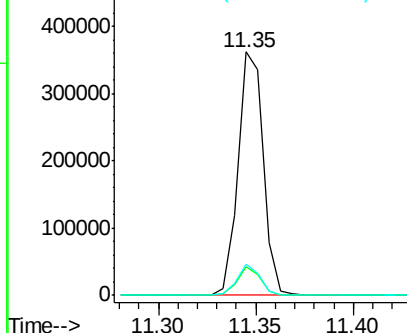
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.35 min Scan# 1574  
Delta R.T. -0.01 min  
Lab File: BF099588.D  
Acq: 17 Oct 2017 18:33

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-117-3(10-15)

Tot Ion:188 Resp: 324023  
Ion Ratio Lower Upper  
188 100  
94 11.7 8.5 12.7  
80 12.6 9.2 13.8

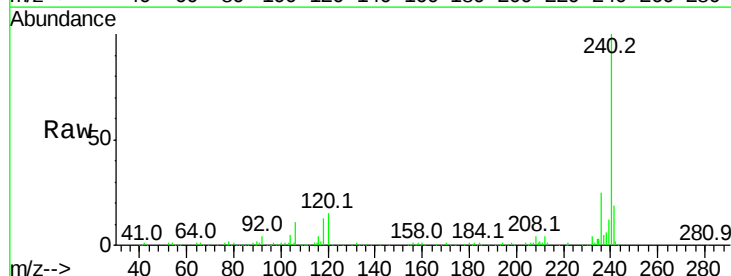


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

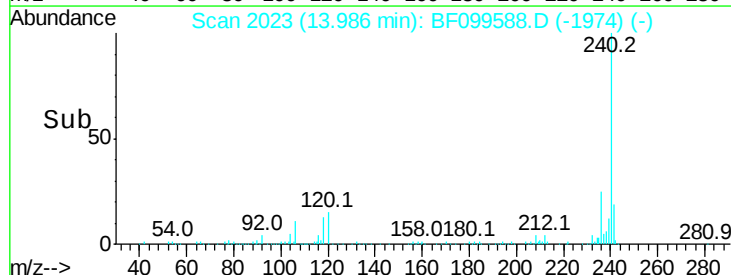
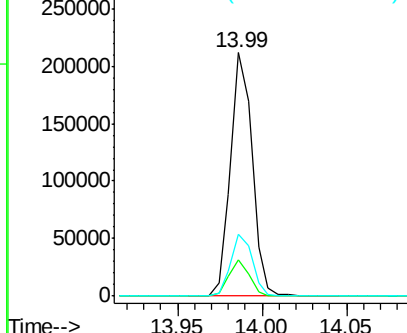


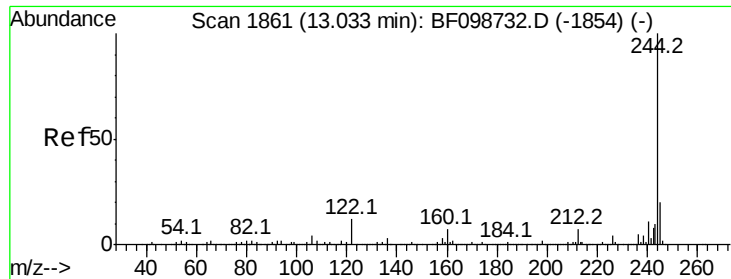
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.99 min Scan# 2023  
Delta R.T. -0.01 min  
Lab File: BF099588.D  
Acq: 17 Oct 2017 18:33

Tgt Ion:240 Resp: 188960  
Ion Ratio Lower Upper  
240 100  
120 15.0 9.5 14.3#  
236 25.3 20.7 31.1



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: 62.634 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF099588.D

Acq: 17 Oct 2017 18:33

Instrument :

BNA\_F

ClientSampleId :

EPE-117-3(10-15)

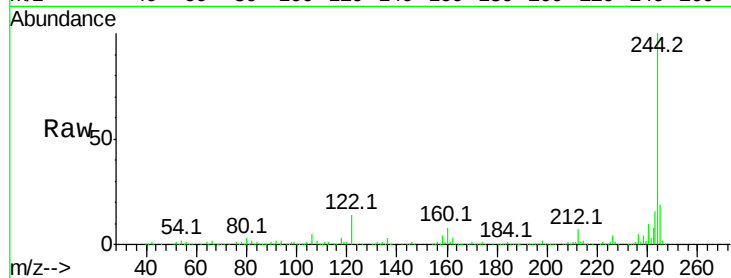
Tot Ion:244 Resp: 520414

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

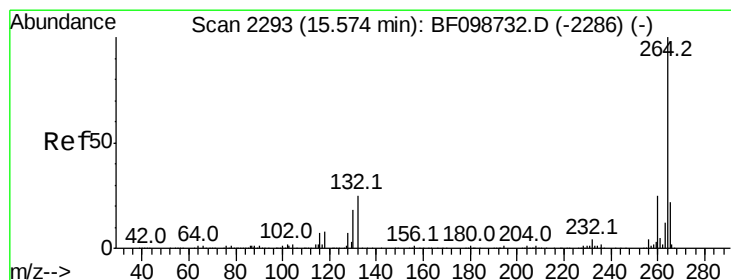
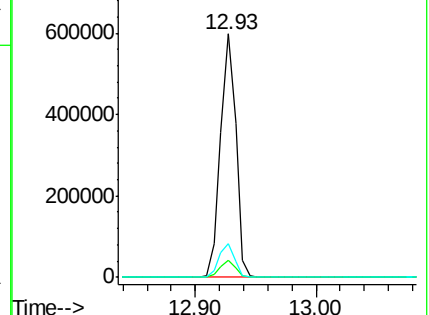
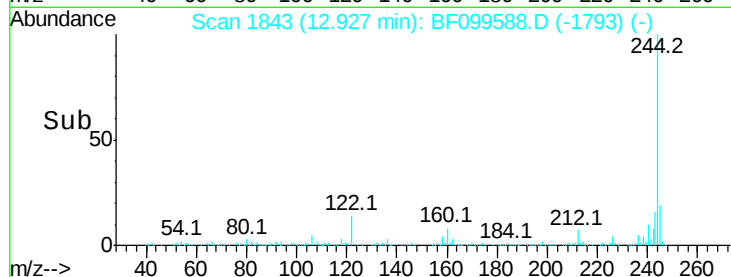
122 13.9 11.0 16.4



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: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.00 min

Lab File: BF099588.D

Acq: 17 Oct 2017 18:33

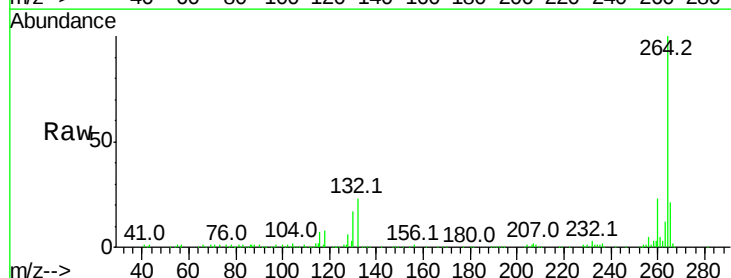
Tgt Ion:264 Resp: 190492

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.1 17.5 26.3



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

