

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\  
 Data File : BF094232.D  
 Acq On : 6 Apr 2017 17:03  
 Operator : SJ/MA  
 Sample : I2538-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOCUST-ST-CONCRETE

Quant Time: Apr 06 17:37:04 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 06 13:20:29 2017  
 Response via : Initial Calibration

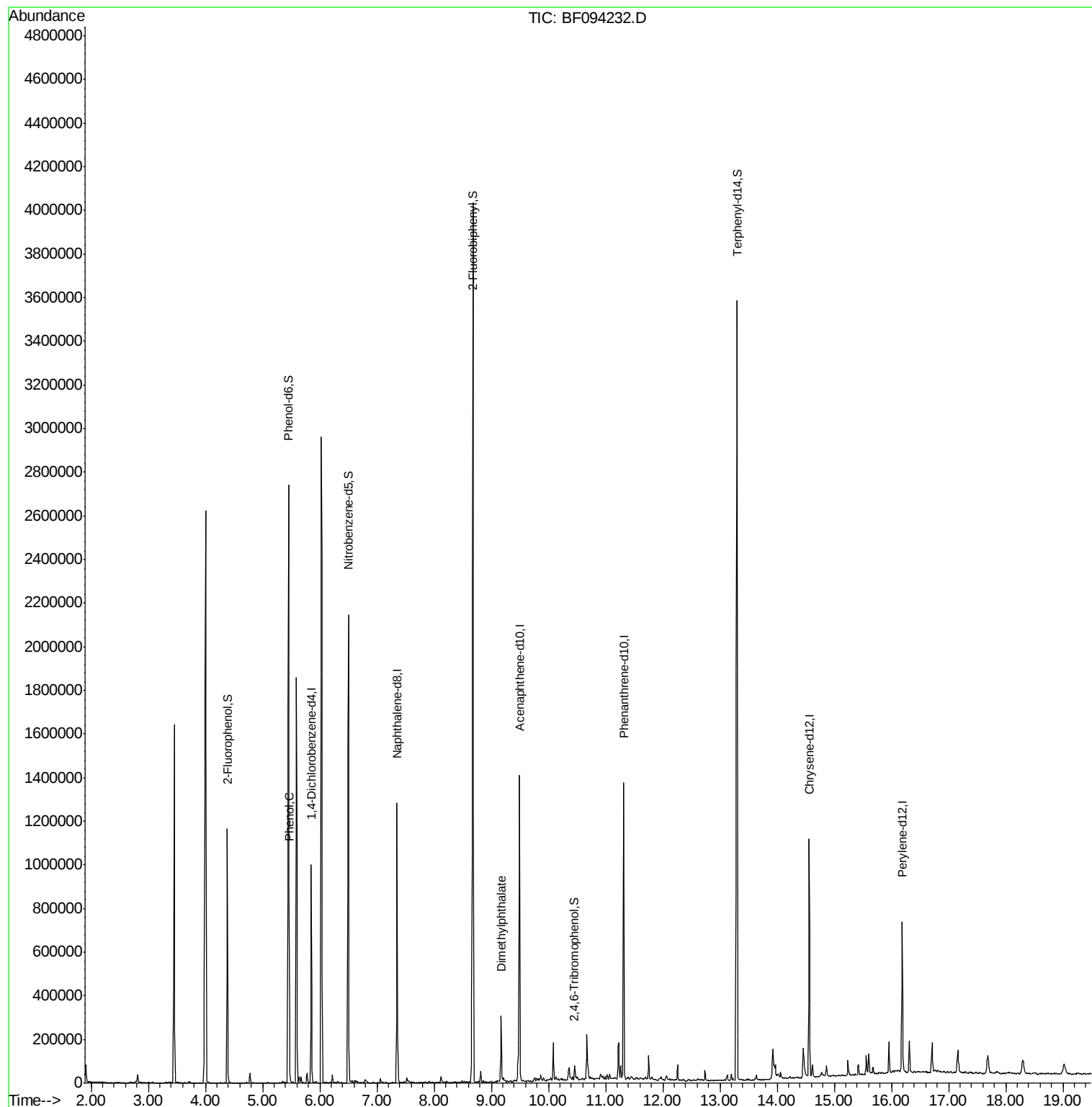
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 5.85  | 152  | 161063   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.35  | 136  | 656311   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.49  | 164  | 304533   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.32 | 188  | 545855   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 14.56 | 240  | 407189   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 16.19 | 264  | 277838   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 4.38  | 112  | 339519   | 35.60 | ng    | 0.00     |
| 7) Phenol-d6                | 5.46  | 99   | 1132382  | 95.99 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 6.50  | 82   | 860136   | 74.79 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.46 | 330  | 5214     | 2.17  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 8.68  | 172  | 1564411  | 78.35 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.30 | 244  | 1357136  | 74.71 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 10) Phenol                  | 5.47  | 94   | 78725    | 5.86  | ng    | 86       |
| 49) Dimethylphthalate       | 9.17  | 163  | 147807   | 6.83  | ng    | 98       |

(#) = 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: 5.85 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF094232.D

Acq: 6 Apr 2017 17:03

Instrument :

BNA\_F

ClientSampleId :

LOCUST-ST-CONCRETE

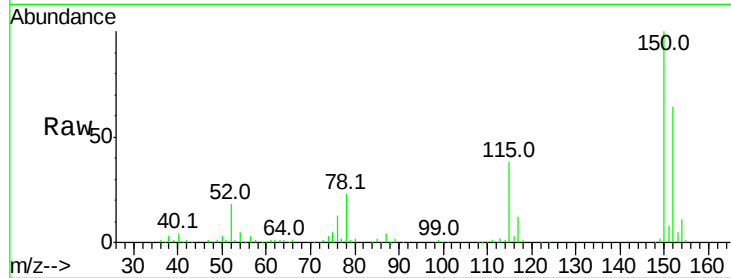
Tot Ion:152 Resp: 161063

Ion Ratio Lower Upper

152 100

150 156.3 126.2 189.2

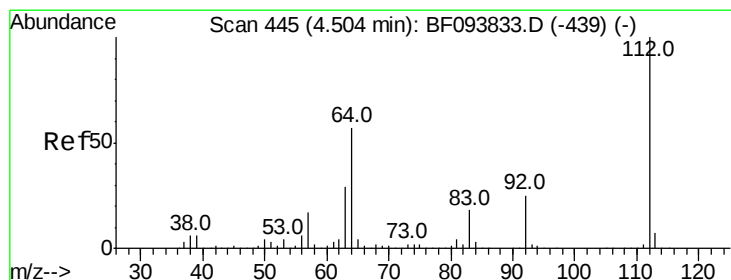
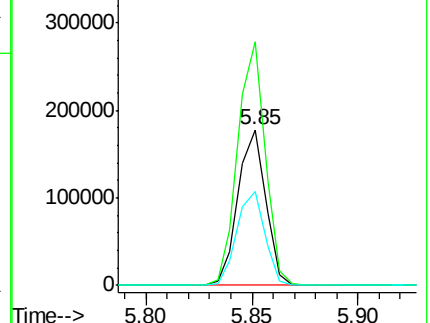
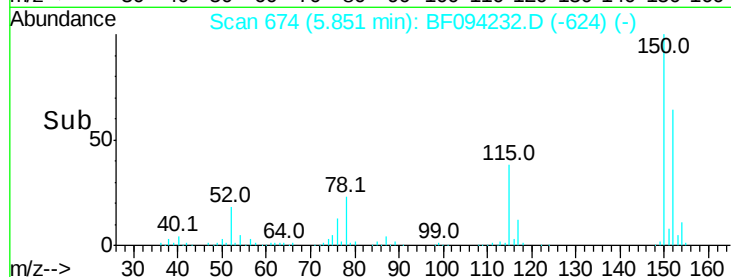
115 60.0 52.2 78.2



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: 35.60 ng

RT: 4.38 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF094232.D

Acq: 6 Apr 2017 17:03

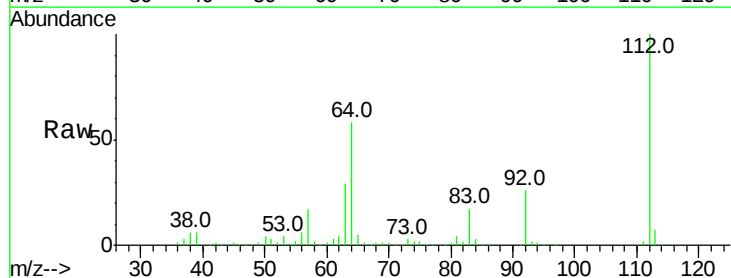
Tgt Ion:112 Resp: 339519

Ion Ratio Lower Upper

112 100

64 58.1 46.0 69.0

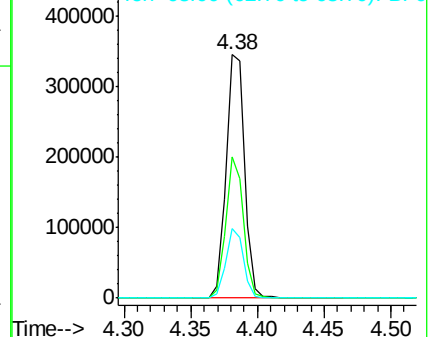
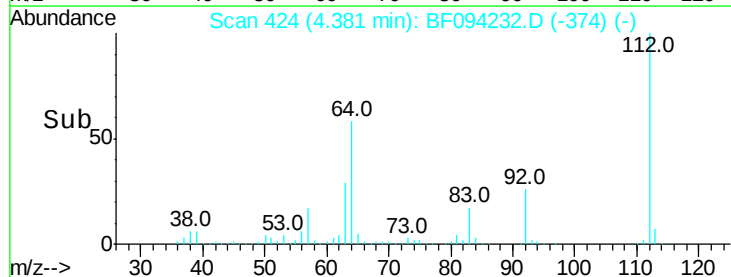
63 28.6 23.4 35.0



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: 95.99 ng

RT: 5.46 min Scan# 607

Delta R.T. -0.01 min

Lab File: BF094232.D

Acq: 6 Apr 2017 17:03

Instrument :

BNA\_F

ClientSampleId :

LOCUST-ST-CONCRETE

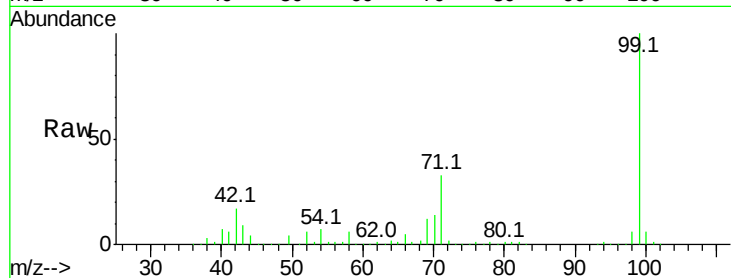
Tot Ion: 99 Resp: 1132382

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

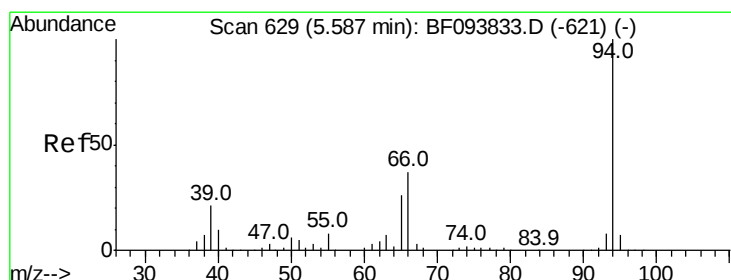
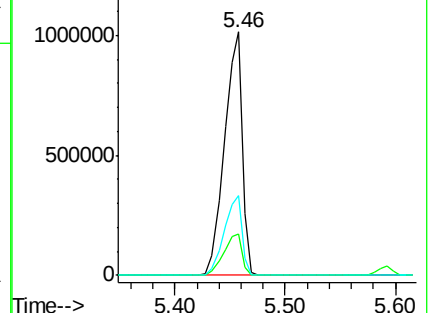
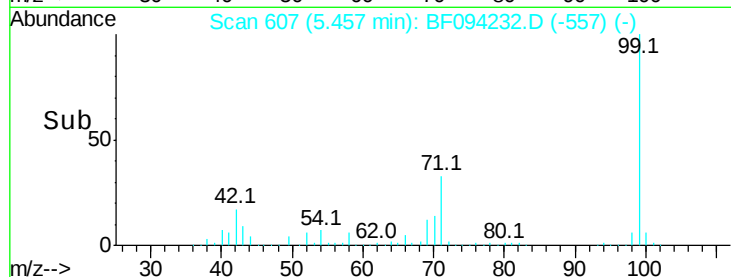
71 32.6 24.5 36.7



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: 5.86 ng

RT: 5.47 min Scan# 609

Delta R.T. -0.01 min

Lab File: BF094232.D

Acq: 6 Apr 2017 17:03

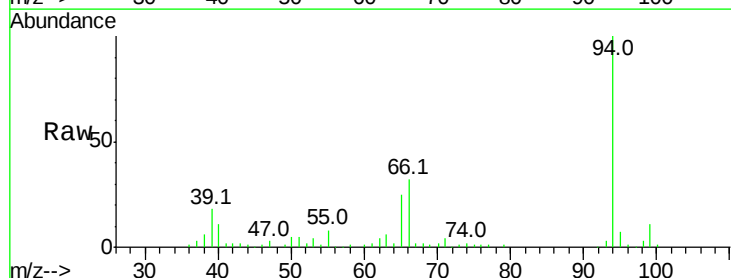
Tgt Ion: 94 Resp: 78725

Ion Ratio Lower Upper

94 100

65 24.7 9.9 49.9

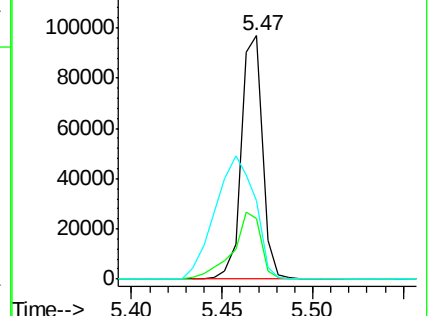
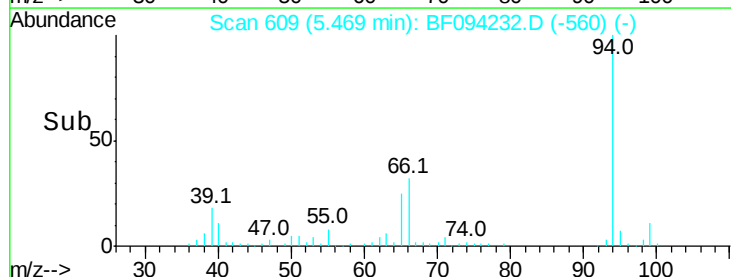
66 32.5 23.1 63.1



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: 20.00 ng

RT: 7.35 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF094232.D

Acq: 6 Apr 2017 17:03

Instrument :

BNA\_F

ClientSampleId :

LOCUST-ST-CONCRETE

Tot Ion:136 Resp: 656311

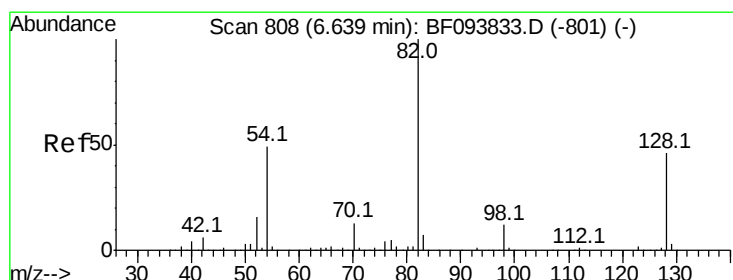
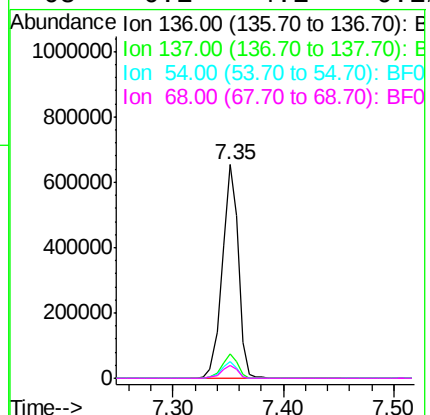
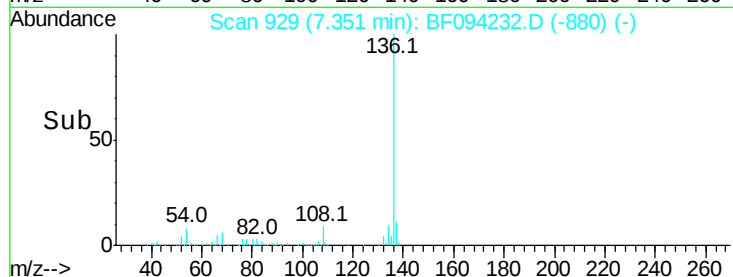
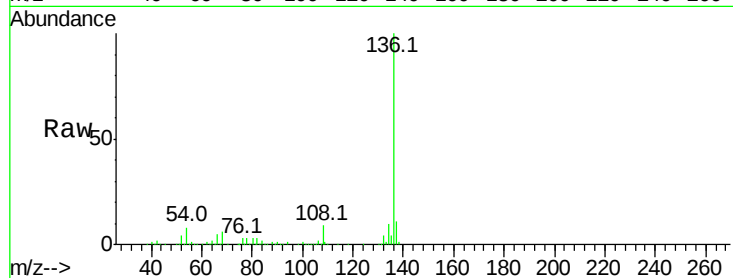
Ion Ratio Lower Upper

136 100

137 11.5 8.5 12.7

54 7.6 4.9 7.3#

68 6.1 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 74.79 ng

RT: 6.50 min Scan# 784

Delta R.T. -0.01 min

Lab File: BF094232.D

Acq: 6 Apr 2017 17:03

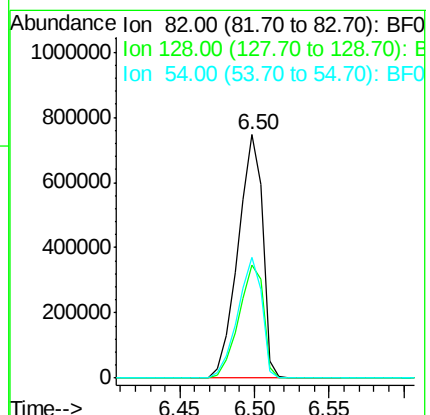
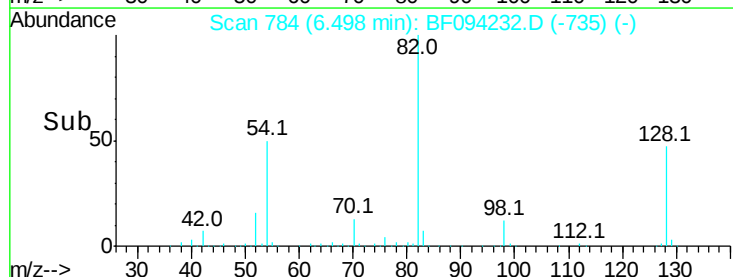
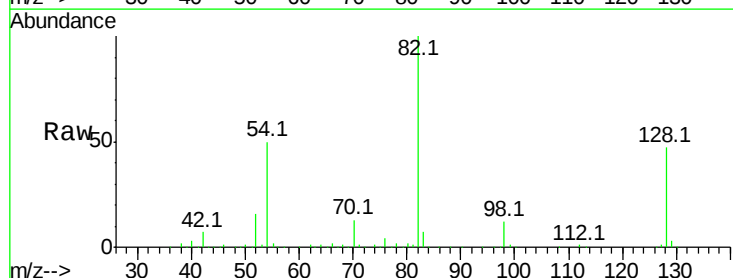
Tgt Ion: 82 Resp: 860136

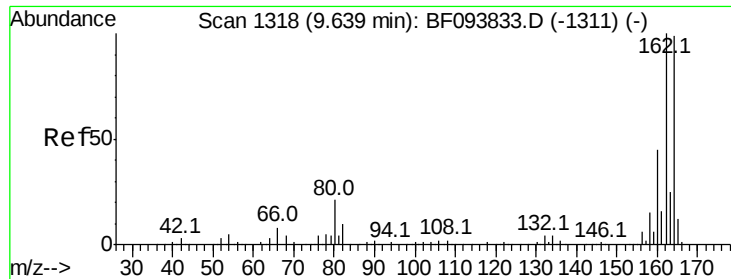
Ion Ratio Lower Upper

82 100

128 46.6 34.0 51.0

54 49.7 42.2 63.2

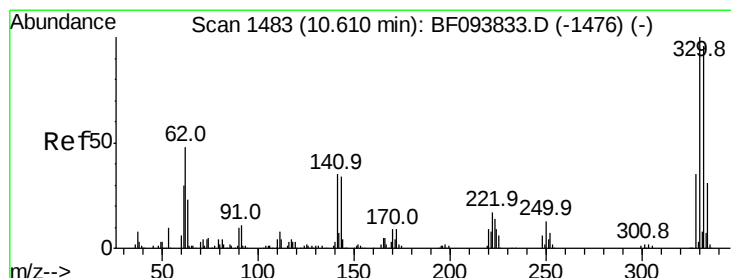
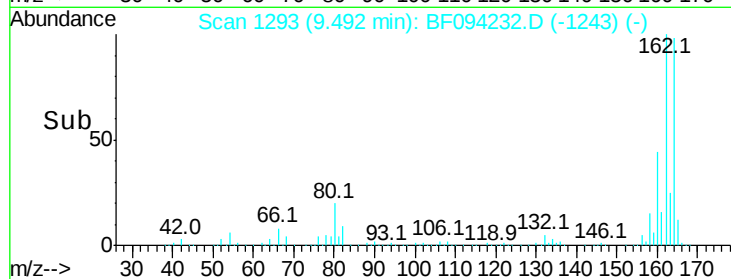
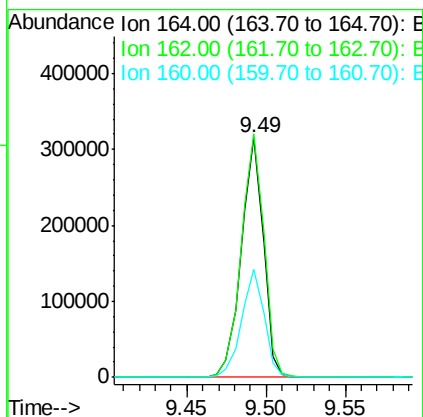
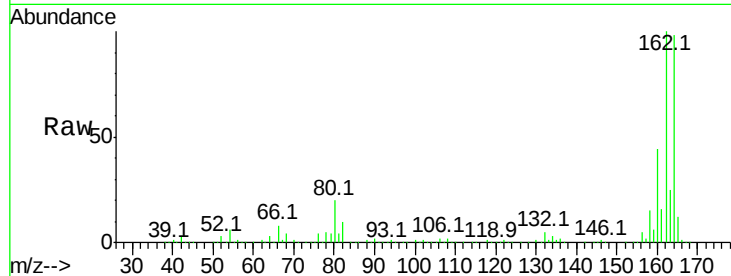




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.49 min Scan# 1293  
 Delta R.T. -0.01 min  
 Lab File: BF094232.D  
 Acq: 6 Apr 2017 17:03

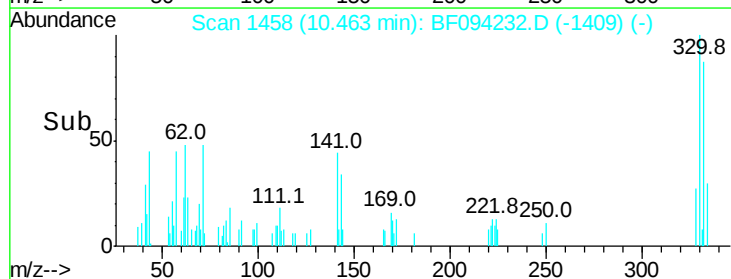
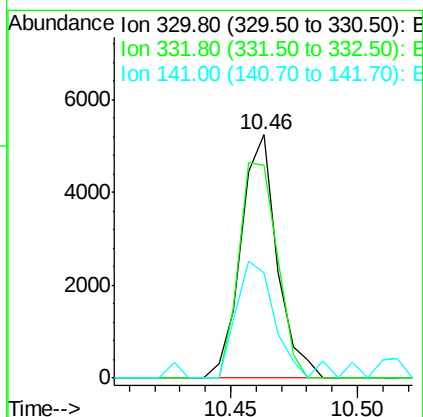
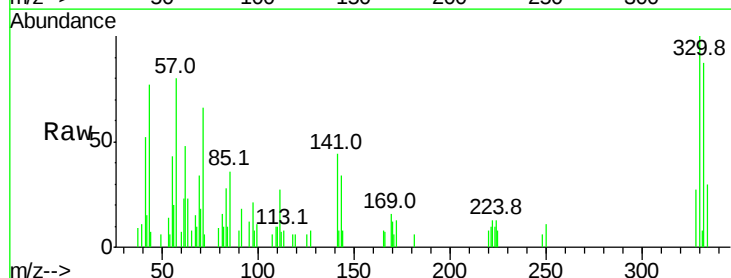
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOCUST-ST-CONCRETE

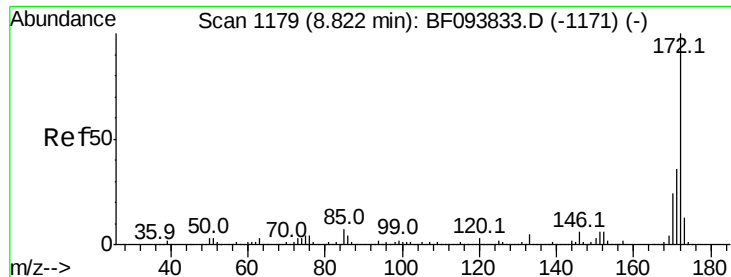
Tot Ion:164 Resp: 304533  
 Ion Ratio Lower Upper  
 164 100  
 162 101.6 82.6 123.8  
 160 45.1 36.2 54.2



#41  
 2,4,6-Tribromophenol  
 Concen: 2.17 ng  
 RT: 10.46 min Scan# 1458  
 Delta R.T. -0.01 min  
 Lab File: BF094232.D  
 Acq: 6 Apr 2017 17:03

Tgt Ion:330 Resp: 5214  
 Ion Ratio Lower Upper  
 330 100  
 332 93.4 76.6 115.0  
 141 49.8 31.4 47.2#

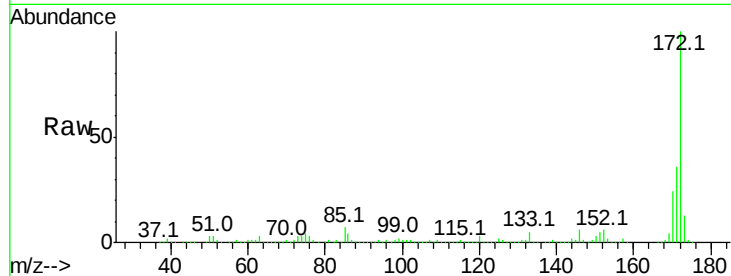




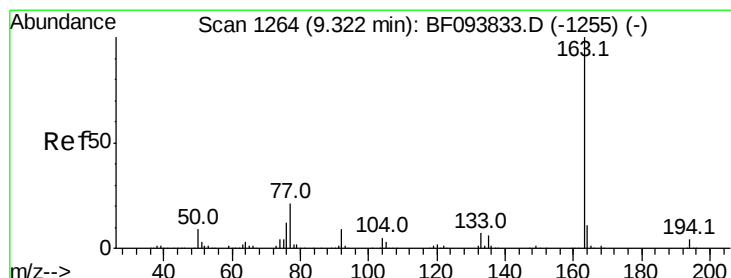
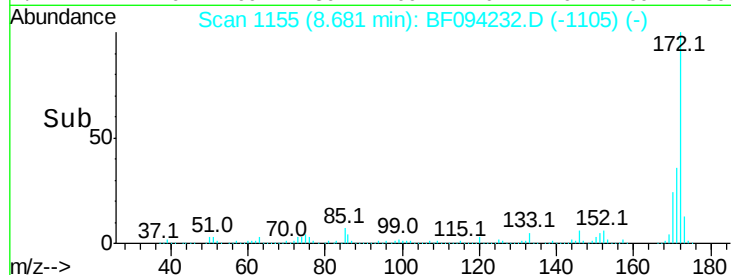
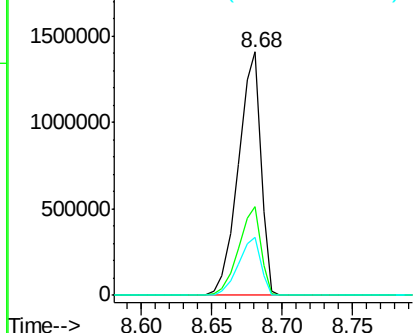
#44  
2-Fluorobiphenyl  
Concen: 78.35 ng  
RT: 8.68 min Scan# 1155  
Delta R.T. -0.01 min  
Lab File: BF094232.D  
Acq: 6 Apr 2017 17:03

Instrument :  
BNA\_F  
ClientSampleId :  
LOCUST-ST-CONCRETE

Tot Ion:172 Resp: 1564411  
Ion Ratio Lower Upper  
172 100  
171 36.2 29.6 44.4  
170 24.1 19.8 29.8

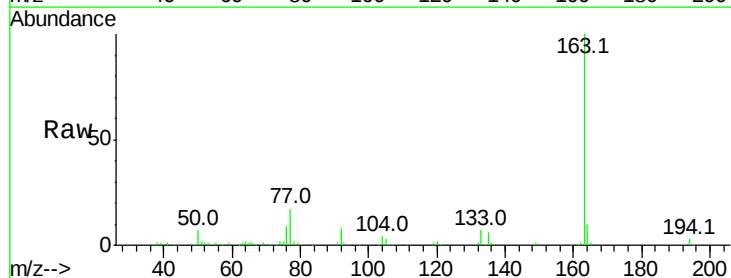


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

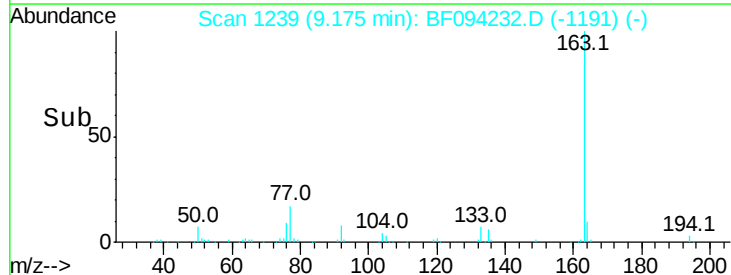
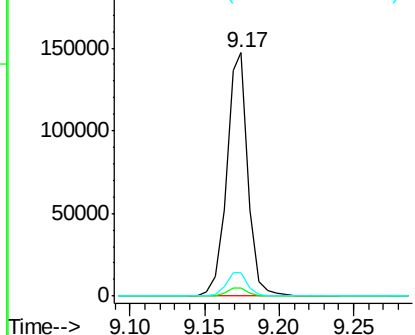


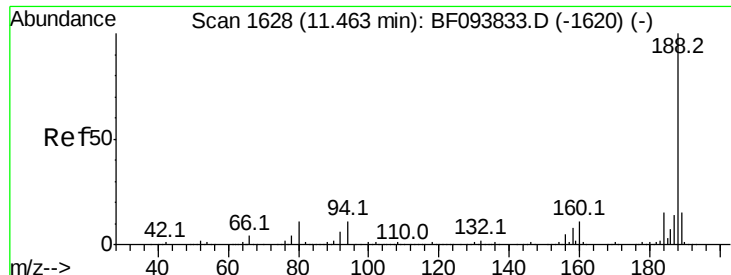
#49  
Dimethylphthalate  
Concen: 6.83 ng  
RT: 9.17 min Scan# 1239  
Delta R.T. -0.02 min  
Lab File: BF094232.D  
Acq: 6 Apr 2017 17:03

Tgt Ion:163 Resp: 147807  
Ion Ratio Lower Upper  
163 100  
194 3.2 2.6 4.0  
164 9.7 8.4 12.6



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

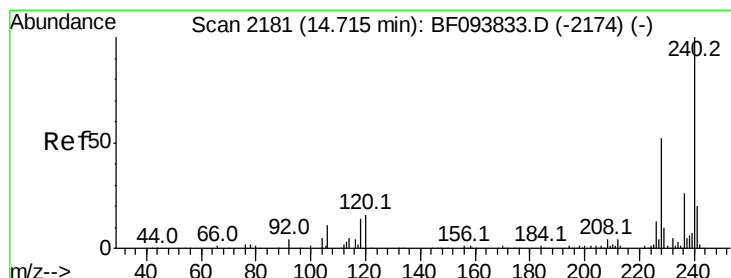
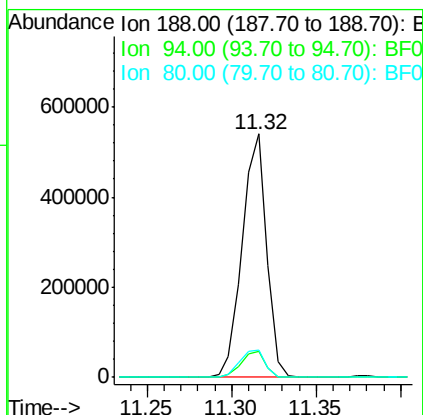
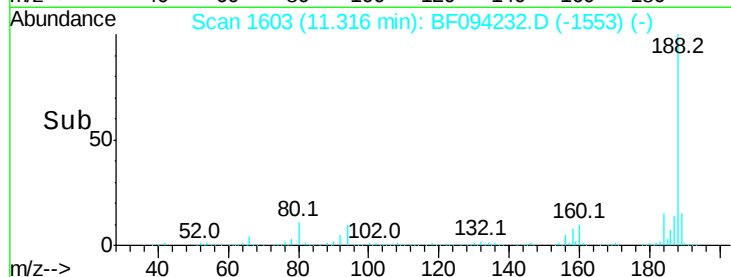
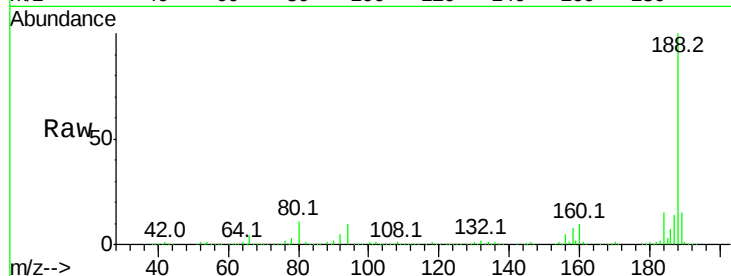




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.32 min Scan# 1603  
Delta R.T. -0.01 min  
Lab File: BF094232.D  
Acq: 6 Apr 2017 17:03

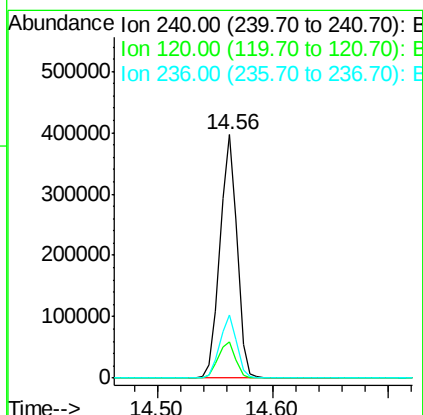
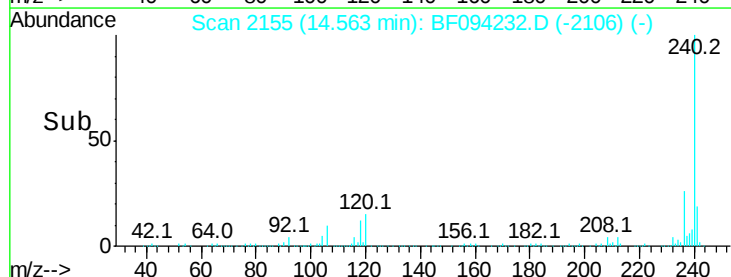
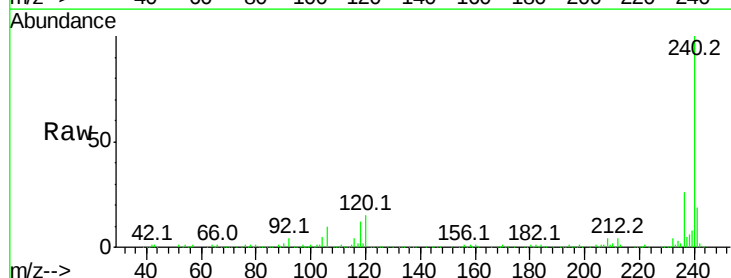
Instrument :  
BNA\_F  
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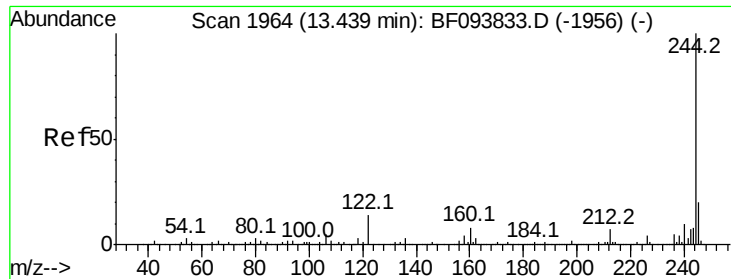
Tot Ion:188 Resp: 545855  
Ion Ratio Lower Upper  
188 100  
94 10.5 9.4 14.2  
80 11.4 10.2 15.2



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.56 min Scan# 2155  
Delta R.T. -0.01 min  
Lab File: BF094232.D  
Acq: 6 Apr 2017 17:03

Tgt Ion:240 Resp: 407189  
Ion Ratio Lower Upper  
240 100  
120 14.7 5.8 8.8#  
236 25.7 20.5 30.7





#78

Terphenyl-d14

Concen: 74.71 ng

RT: 13.30 min Scan# 1940

Delta R.T. 0.00 min

Lab File: BF094232.D

Acq: 6 Apr 2017 17:03

Instrument :

BNA\_F

ClientSampleId :

LOCUST-ST-CONCRETE

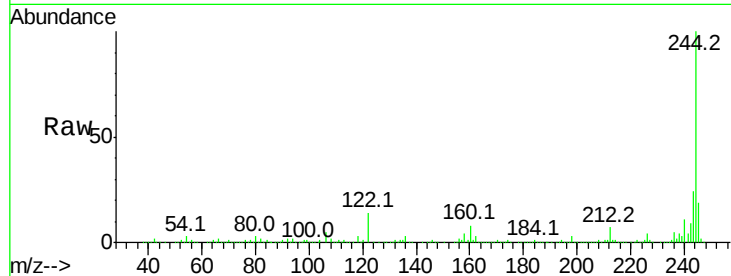
Tot Ion:244 Resp: 1357136

Ion Ratio Lower Upper

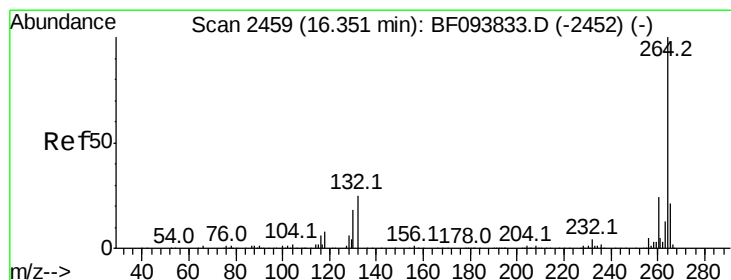
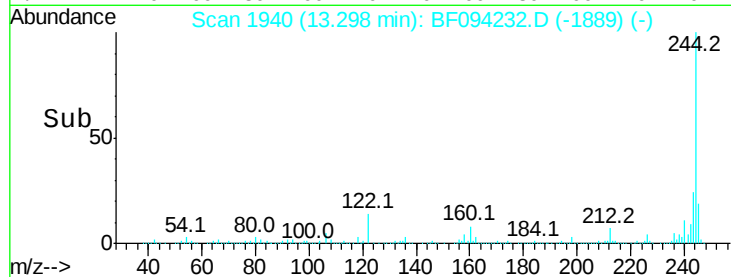
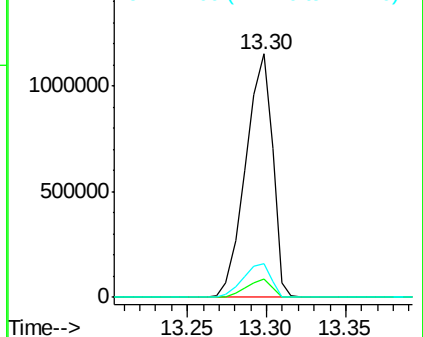
244 100

212 7.4 6.0 9.0

122 13.7 10.3 15.5



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: 16.19 min Scan# 2431

Delta R.T. -0.01 min

Lab File: BF094232.D

Acq: 6 Apr 2017 17:03

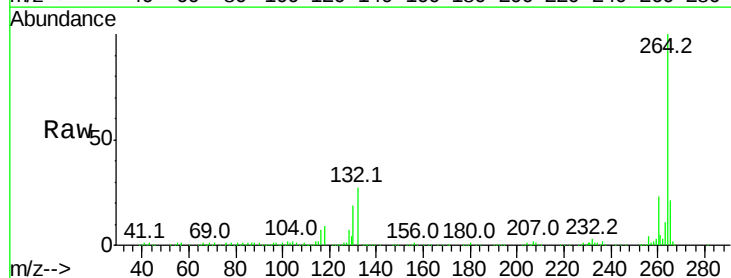
Tgt Ion:264 Resp: 277838

Ion Ratio Lower Upper

264 100

260 22.8 19.5 29.3

265 21.0 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

