

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061217\  
 Data File : BF095883.D  
 Acq On : 12 Jun 2017 21:12  
 Operator : SJ/MA  
 Sample : I3594-06  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jun 13 05:34:41 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 05 16:15:31 2017  
 Response via : Initial Calibration

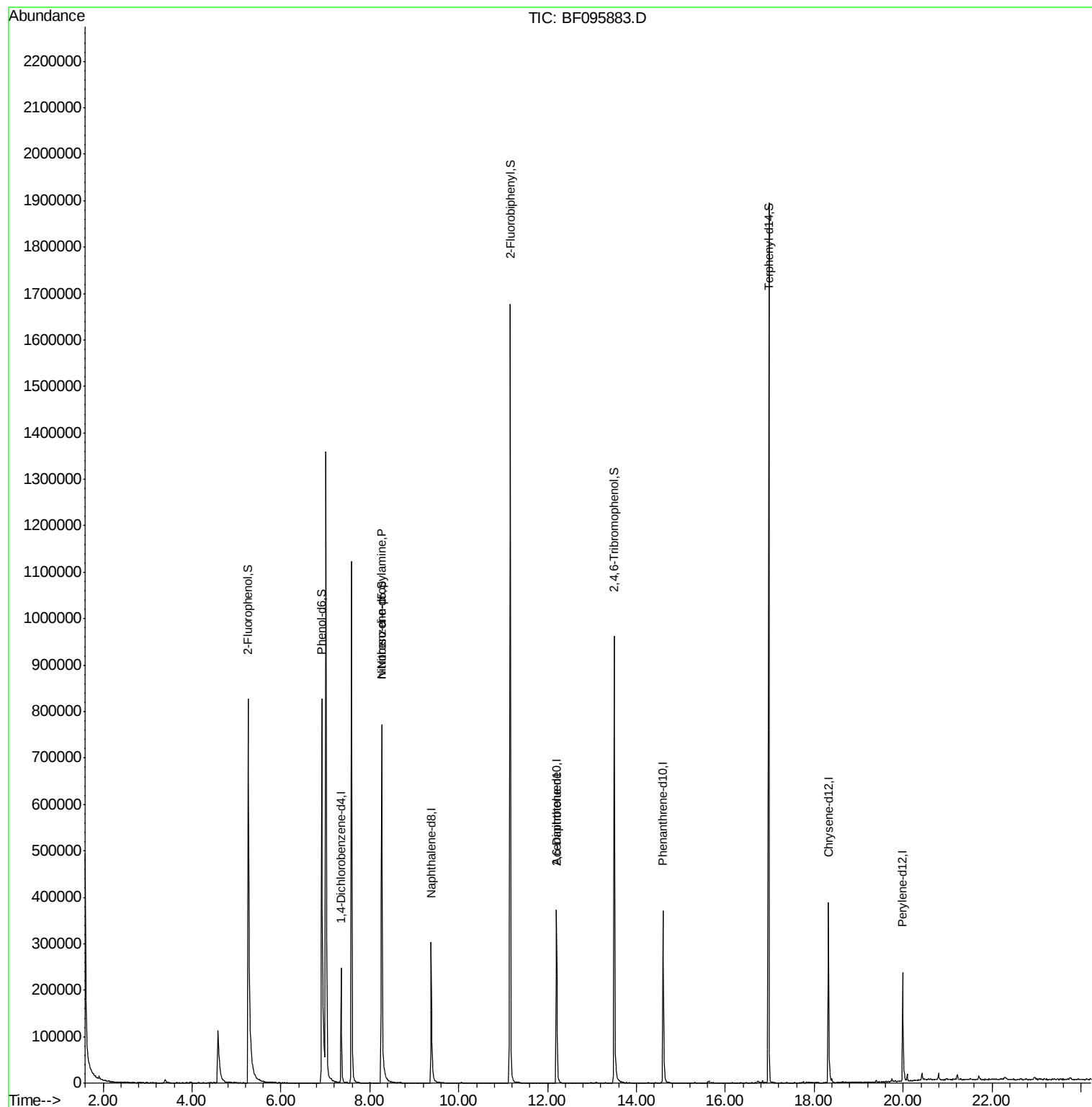
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.35  | 152  | 61614    | 20.00  | ng    | -0.05    |
| 21) Naphthalene-d8             | 9.38  | 136  | 258424   | 20.00  | ng    | -0.05    |
| 38) Acenaphthene-d10           | 12.20 | 164  | 122590   | 20.00  | ng    | -0.06    |
| 63) Phenanthrene-d10           | 14.60 | 188  | 240072   | 20.00  | ng    | -0.05    |
| 75) Chrysene-d12               | 18.32 | 240  | 199117   | 20.00  | ng    | -0.04    |
| 86) Perylene-d12               | 19.99 | 264  | 132040   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.26  | 112  | 559122   | 144.60 | ng    | -0.02    |
| 7) Phenol-d6                   | 6.92  | 99   | 631076   | 136.33 | ng    | -0.04    |
| 23) Nitrobenzene-d5            | 8.27  | 82   | 426541   | 102.51 | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol       | 13.50 | 330  | 174485   | 160.87 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl           | 11.16 | 172  | 866171   | 98.32  | ng    | -0.05    |
| 78) Terphenyl-d14              | 16.98 | 244  | 815474   | 101.64 | ng    | -0.04    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 8.27  | 70   | 52680    | 17.96  | ng    | # 75     |
| 50) 2,6-Dinitrotoluene         | 12.20 | 165  | 14867    | 7.32   | ng    | # 31     |

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

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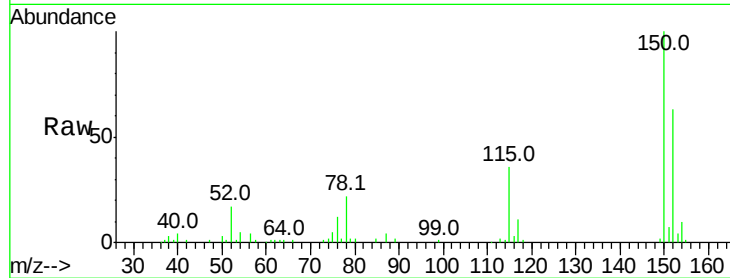


#1

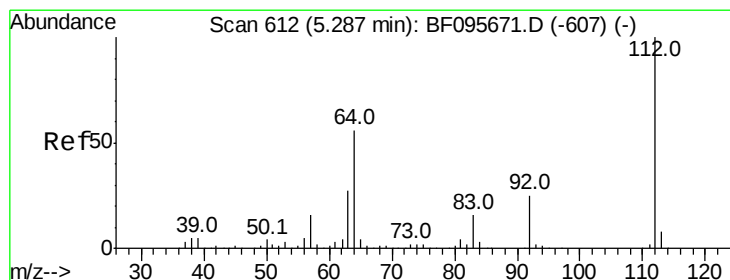
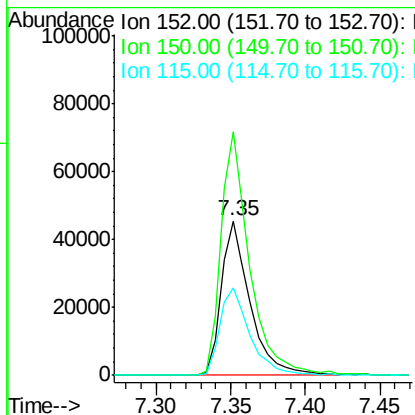
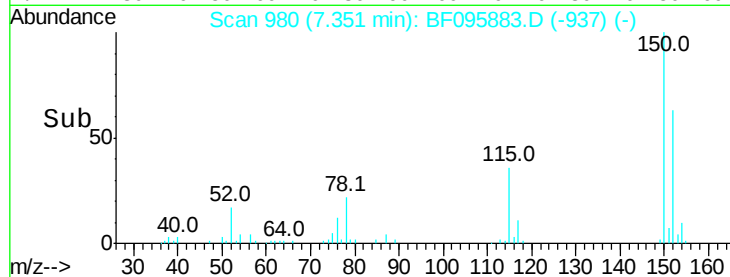
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.35 min Scan# 980  
Delta R.T. -0.05 min  
Lab File: BF095883.D  
Acq: 12 Jun 2017 21:12

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 61614  
Ion Ratio Lower Upper  
152 100  
150 157.9 126.2 189.2  
115 56.8 52.2 78.2



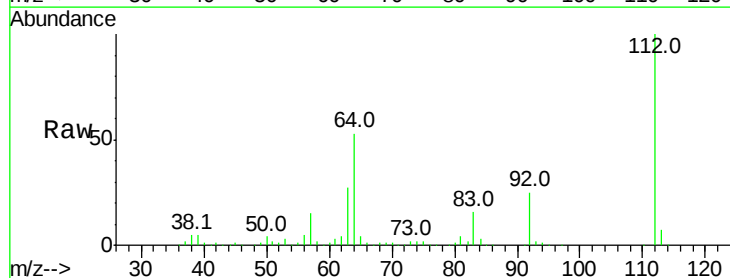
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



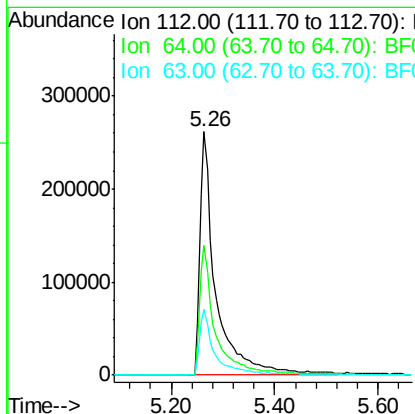
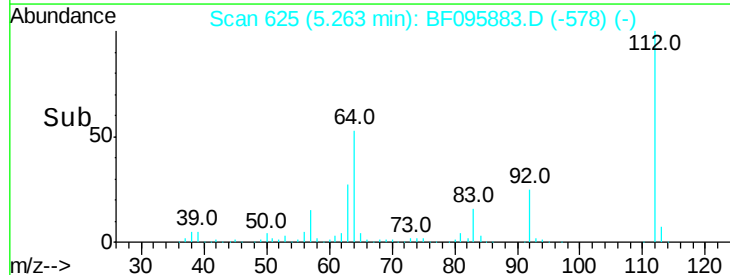
#5

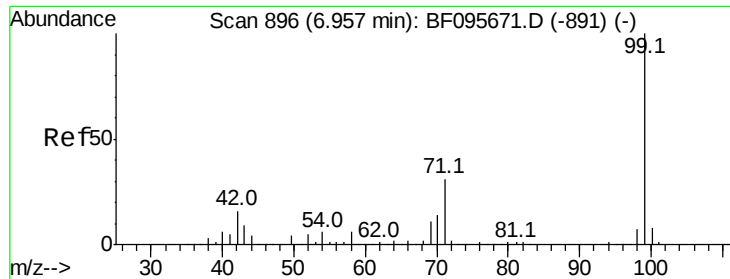
2-Fluorophenol  
Concen: 144.60 ng  
RT: 5.26 min Scan# 625  
Delta R.T. -0.02 min  
Lab File: BF095883.D  
Acq: 12 Jun 2017 21:12

Tgt Ion:112 Resp: 559122  
Ion Ratio Lower Upper  
112 100  
64 53.4 46.0 69.0  
63 26.9 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: 136.33 ng

RT: 6.92 min Scan# 906

Delta R.T. -0.04 min

Lab File: BF095883.D

Acq: 12 Jun 2017 21:12

Instrument :

BNA\_F

ClientSampleId :

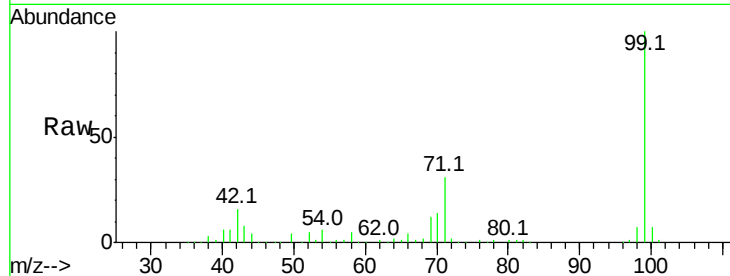
Tot Ion: 99 Resp: 631076

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

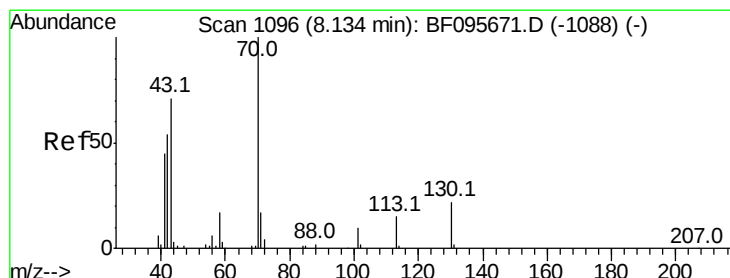
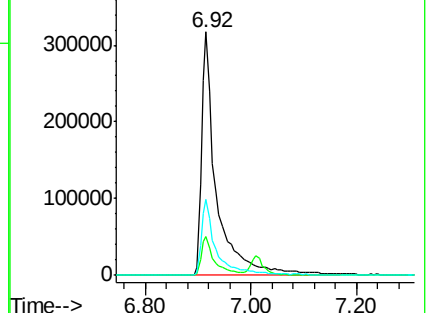
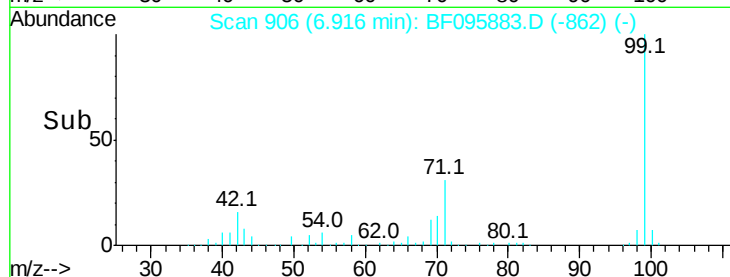
71 31.2 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.96 ng

RT: 8.27 min Scan# 1136

Delta R.T. 0.14 min

Lab File: BF095883.D

Acq: 12 Jun 2017 21:12

Tgt Ion: 70 Resp: 52680

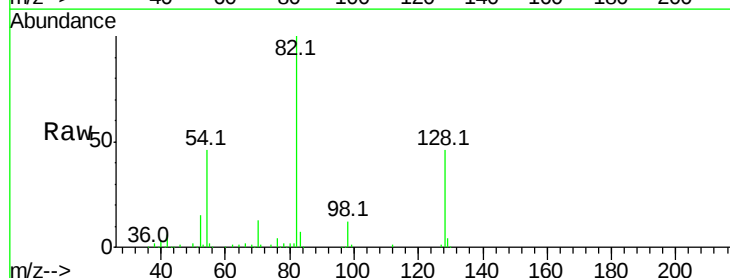
Ion Ratio Lower Upper

70 100

42 43.5 47.2 70.8#

101 0.0 7.2 10.8#

130 2.8 15.9 23.9#

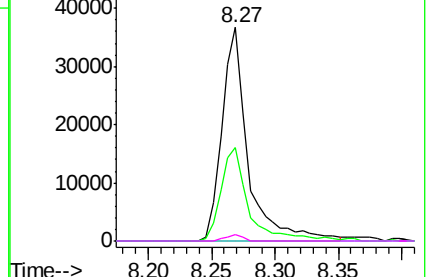
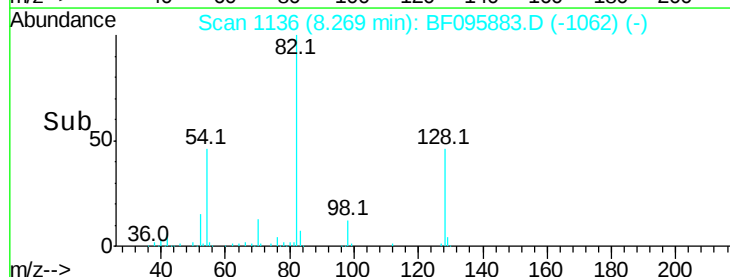


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.38 min Scan# 1325

Delta R.T. -0.05 min

Lab File: BF095883.D

Acq: 12 Jun 2017 21:12

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 258424

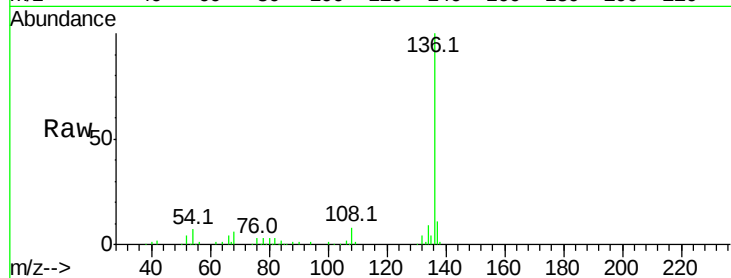
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 6.5 4.9 7.3

68 6.0 4.1 6.1

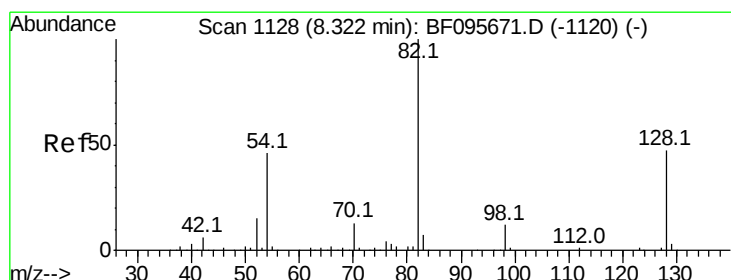
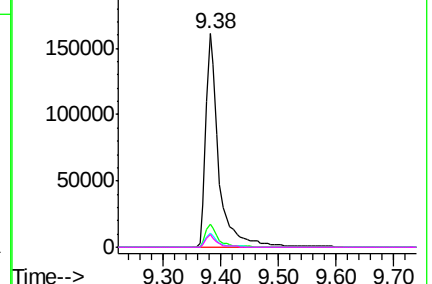
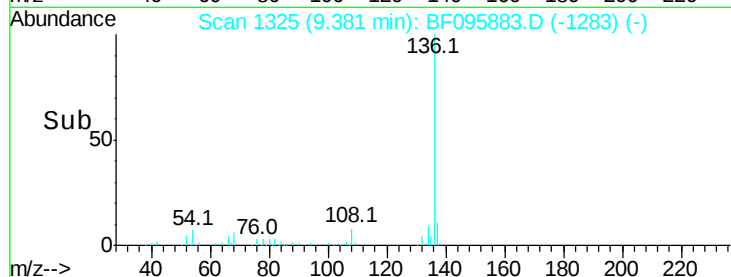


Abundance Ion 136.00 (135.70 to 136.70): E

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: 102.51 ng

RT: 8.27 min Scan# 1136

Delta R.T. -0.05 min

Lab File: BF095883.D

Acq: 12 Jun 2017 21:12

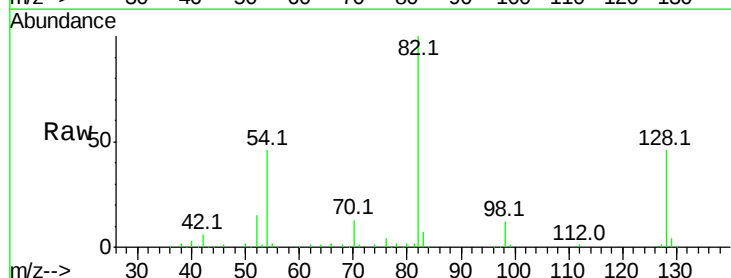
Tgt Ion: 82 Resp: 426541

Ion Ratio Lower Upper

82 100

128 46.2 34.0 51.0

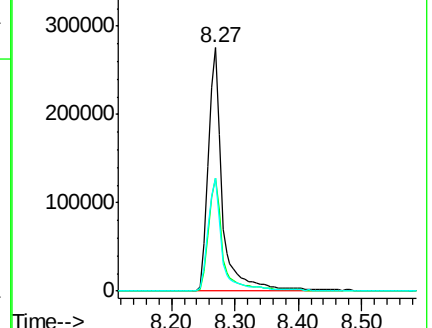
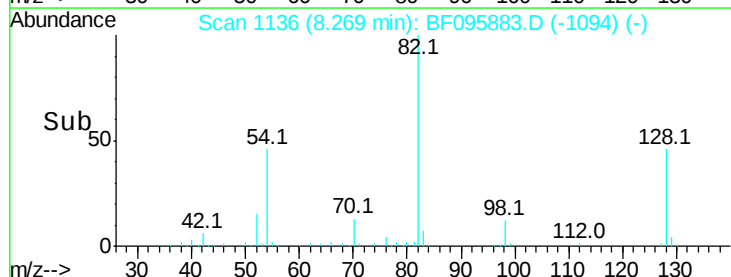
54 46.3 42.2 63.2

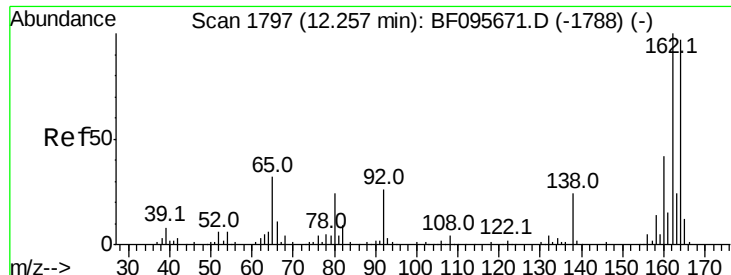


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

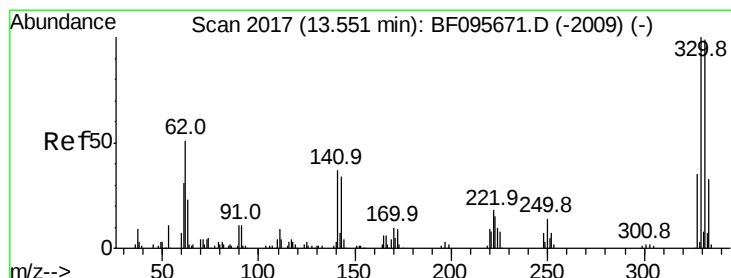
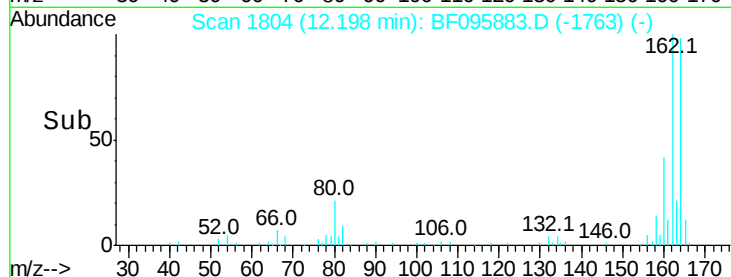
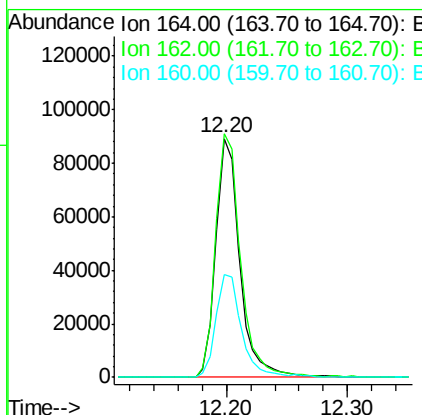
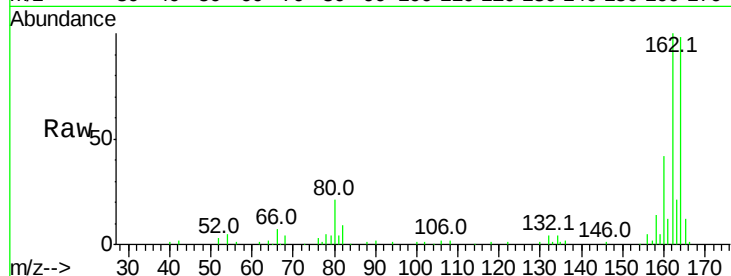




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 12.20 min Scan# 1804  
 Delta R.T. -0.06 min  
 Lab File: BF095883.D  
 Acq: 12 Jun 2017 21:12

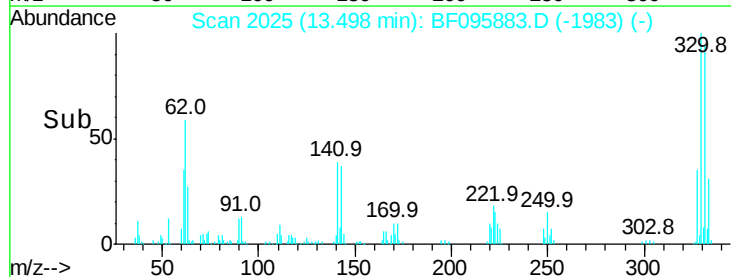
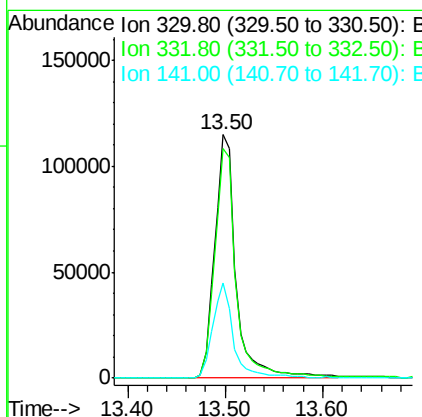
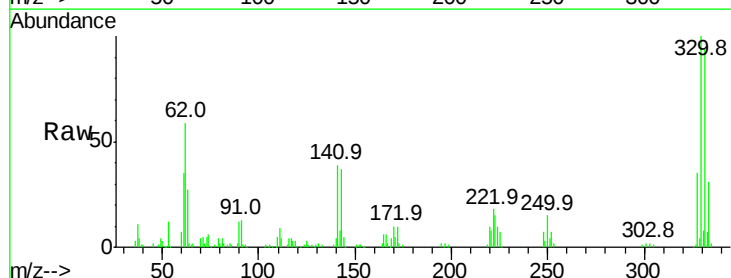
Instrument :  
 BNA\_F  
 ClientSampleId :

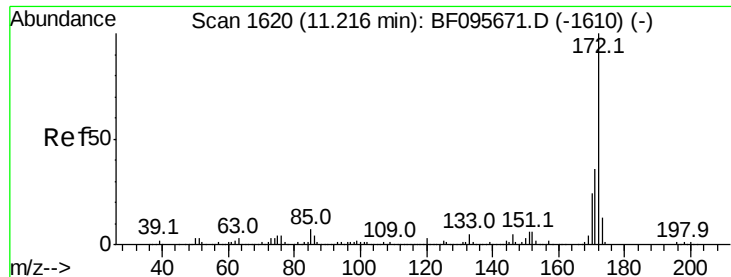
Tot Ion:164 Resp: 122590  
 Ion Ratio Lower Upper  
 164 100  
 162 102.1 82.6 123.8  
 160 43.2 36.2 54.2



#41  
 2,4,6-Tribromophenol  
 Concen: 160.87 ng  
 RT: 13.50 min Scan# 2025  
 Delta R.T. -0.05 min  
 Lab File: BF095883.D  
 Acq: 12 Jun 2017 21:12

Tgt Ion:330 Resp: 174485  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 76.6 115.0  
 141 37.8 31.4 47.2

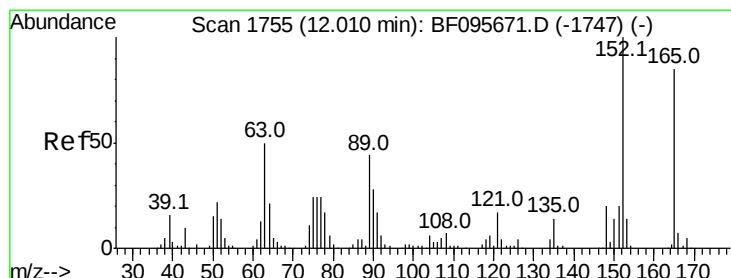
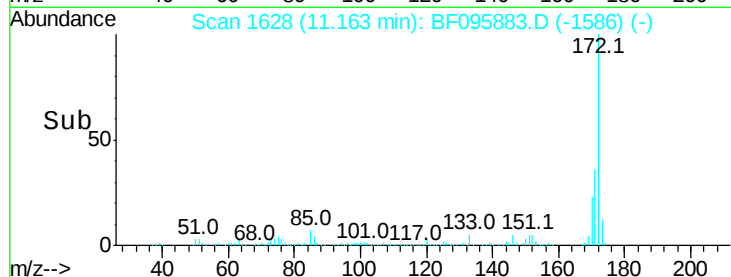
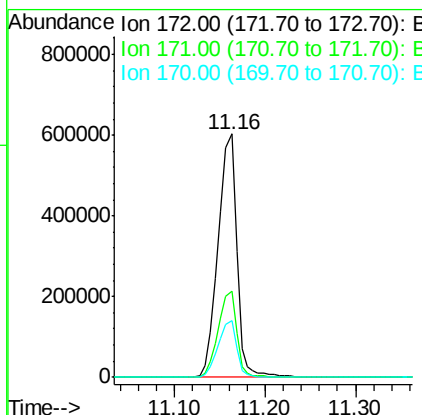
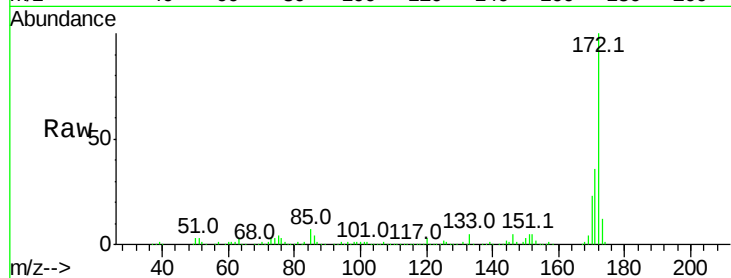




#44  
2-Fluorobiphenyl  
Concen: 98.32 ng  
RT: 11.16 min Scan# 1628  
Delta R.T. -0.05 min  
Lab File: BF095883.D  
Acq: 12 Jun 2017 21:12

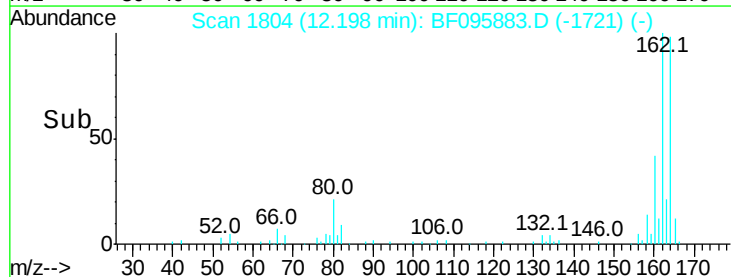
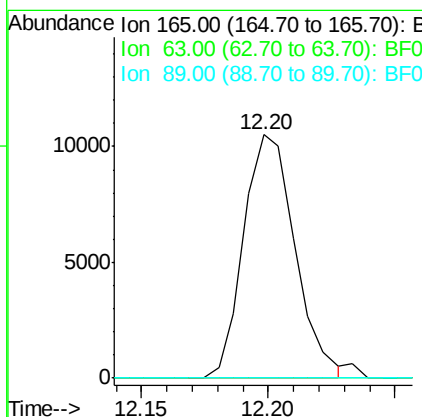
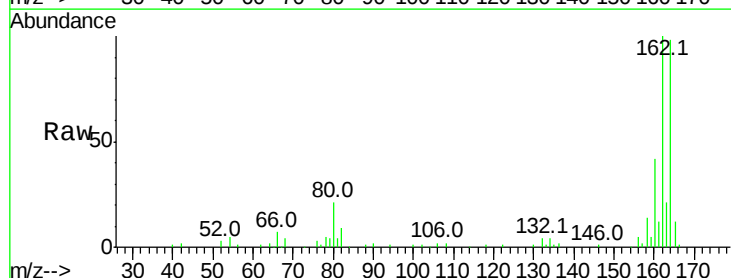
Instrument :  
BNA\_F  
ClientSampleId :

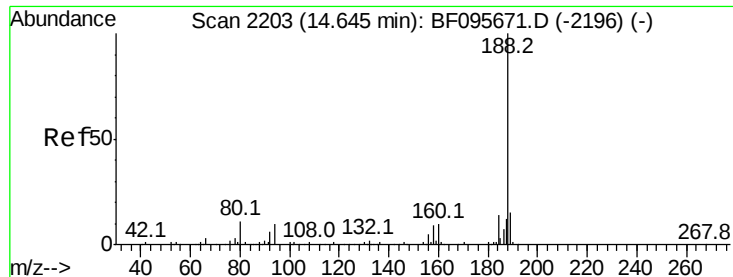
Tot Ion:172 Resp: 866171  
Ion Ratio Lower Upper  
172 100  
171 35.6 29.6 44.4  
170 23.5 19.8 29.8



#50  
2,6-Dinitrotoluene  
Concen: 7.32 ng  
RT: 12.20 min Scan# 1804  
Delta R.T. 0.19 min  
Lab File: BF095883.D  
Acq: 12 Jun 2017 21:12

Tgt Ion:165 Resp: 14867  
Ion Ratio Lower Upper  
165 100  
63 0.0 34.3 51.5#  
89 0.0 37.1 55.7#

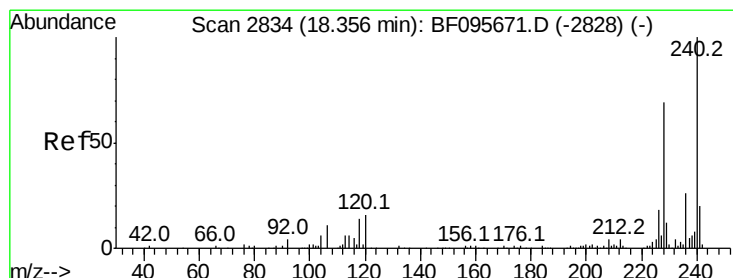
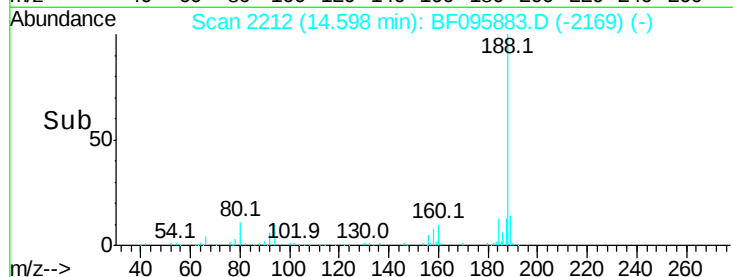
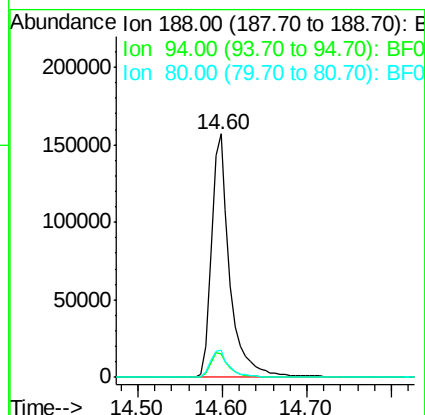
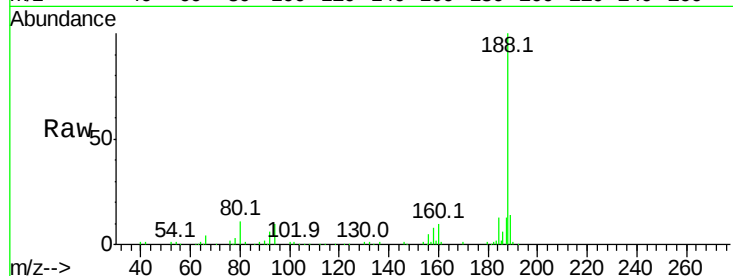




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 14.60 min Scan# 2212  
Delta R.T. -0.05 min  
Lab File: BF095883.D  
Acq: 12 Jun 2017 21:12

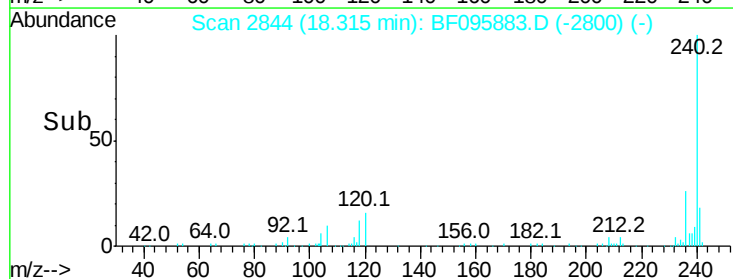
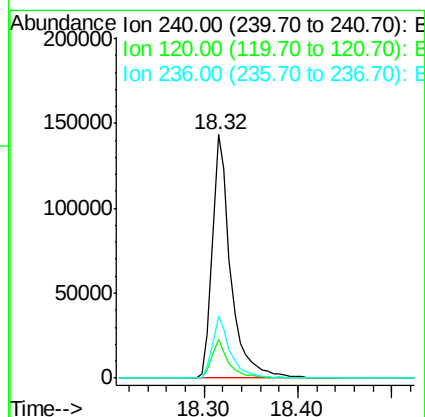
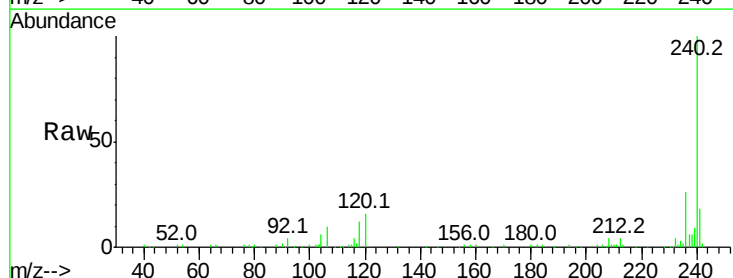
Instrument :  
BNA\_F  
ClientSampleId :

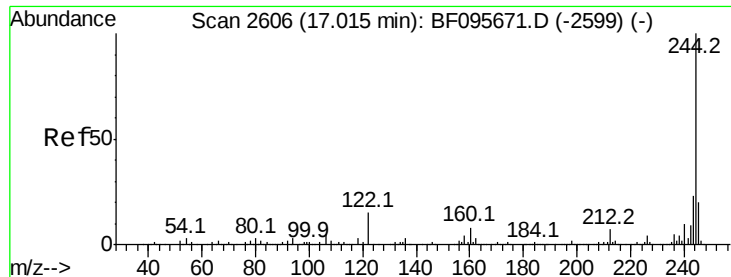
Tot Ion:188 Resp: 240072  
Ion Ratio Lower Upper  
188 100  
94 9.6 9.4 14.2  
80 11.3 10.2 15.2



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 18.32 min Scan# 2844  
Delta R.T. -0.04 min  
Lab File: BF095883.D  
Acq: 12 Jun 2017 21:12

Tgt Ion:240 Resp: 199117  
Ion Ratio Lower Upper  
240 100  
120 15.7 5.8 8.8#  
236 25.6 20.5 30.7





#78

Terphenyl-d14

Concen: 101.64 ng

RT: 16.98 min Scan# 2617

Delta R.T. -0.04 min

Lab File: BF095883.D

Acq: 12 Jun 2017 21:12

Instrument :

BNA\_F

ClientSampleId :

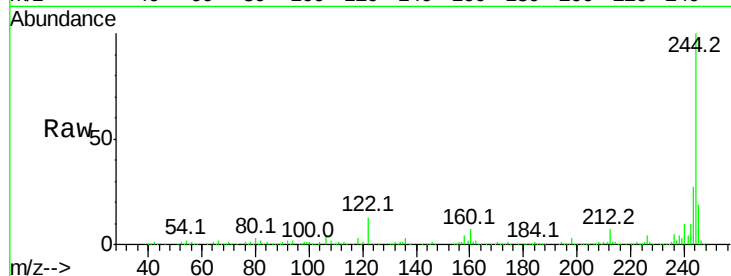
Tot Ion:244 Resp: 815474

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

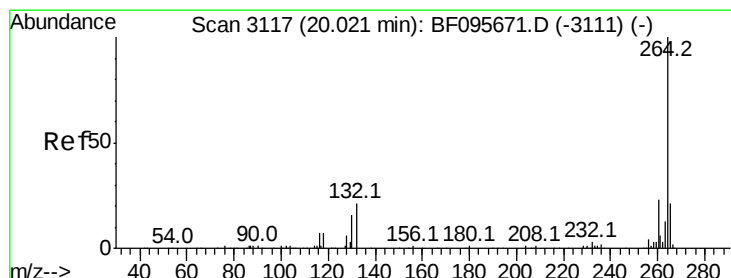
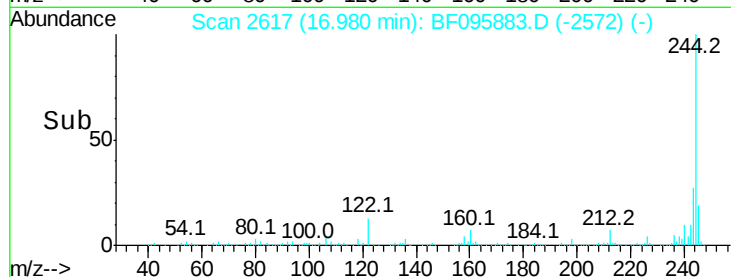
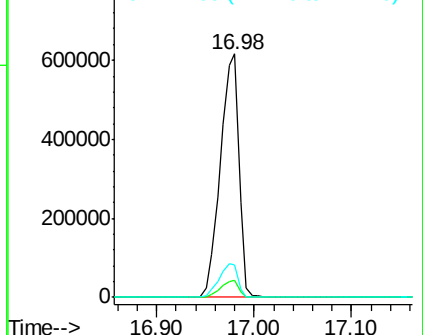
122 13.5 10.3 15.5



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: 19.99 min Scan# 3128

Delta R.T. -0.04 min

Lab File: BF095883.D

Acq: 12 Jun 2017 21:12

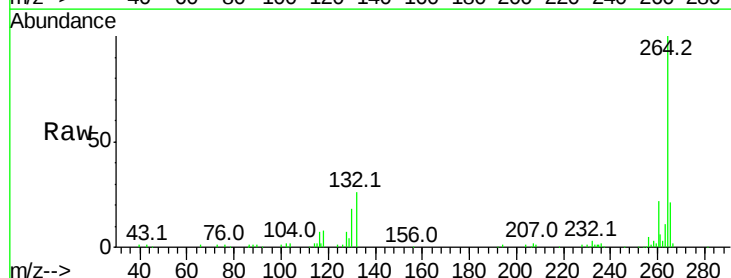
Tgt Ion:264 Resp: 132040

Ion Ratio Lower Upper

264 100

260 22.2 19.5 29.3

265 21.4 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

