

Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\  
 Data File : BF097942.D  
 Acq On : 22 Aug 2017 8:57  
 Operator : SJ/JU  
 Sample : I4872-14  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-14-COMP

Quant Time: Aug 22 12:16:55 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 21 15:59:04 2017  
 Response via : Initial Calibration

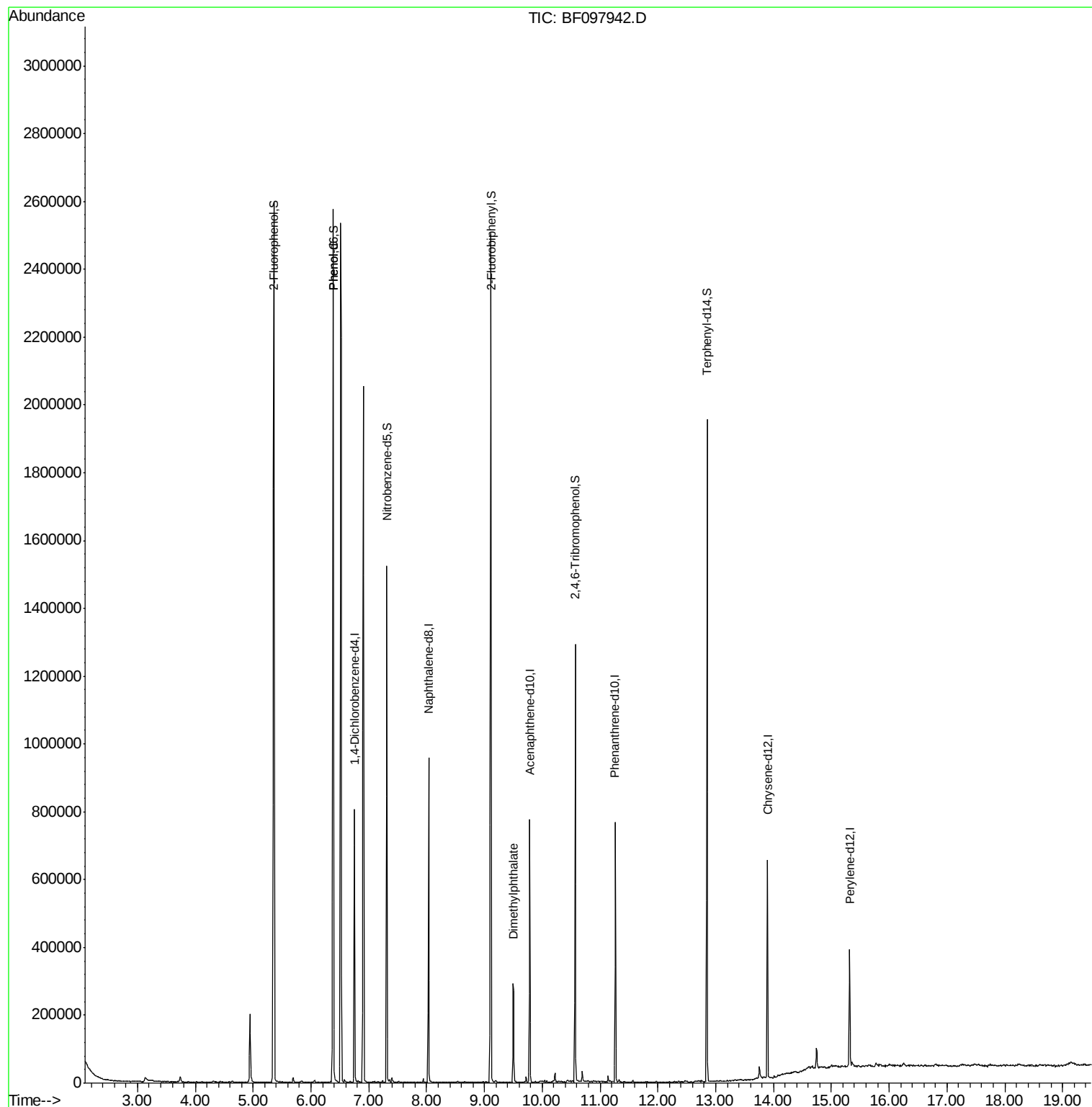
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.75  | 152  | 107944   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.03  | 136  | 388971   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.78  | 164  | 141783   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.26 | 188  | 248283   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.90 | 240  | 212906   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.32 | 264  | 142714   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.36  | 112  | 737784   | 103.96 | ng    | 0.00     |
| 7) Phenol-d6                | 6.39  | 99   | 976511   | 101.27 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.31  | 82   | 552882   | 77.22  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.57 | 330  | 120550   | 97.99  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.11  | 172  | 735471   | 76.21  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.85 | 244  | 558281   | 54.68  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.39  | 94   | 29004    | 2.572  | ng    | 82       |
| 49) Dimethylphthalate       | 9.50  | 163  | 106741   | 10.299 | ng    | 98       |

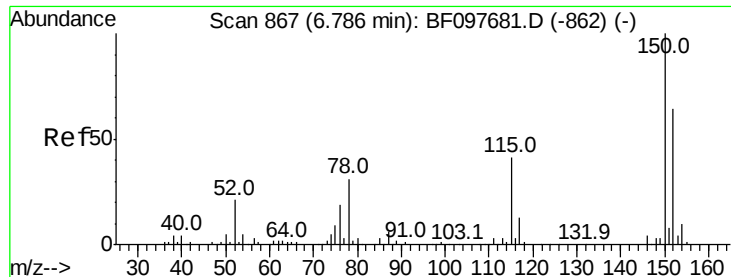
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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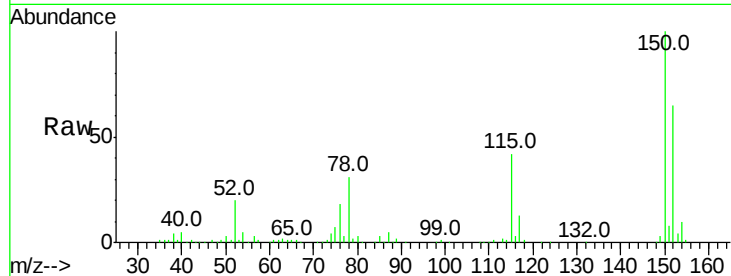


#1

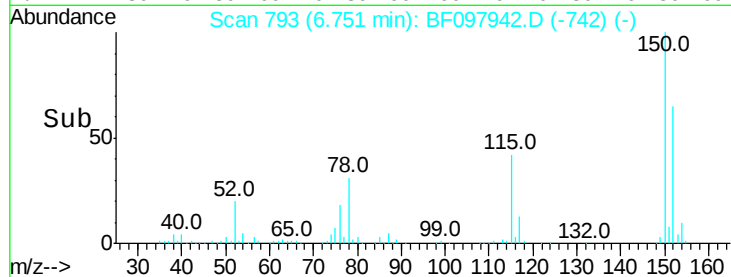
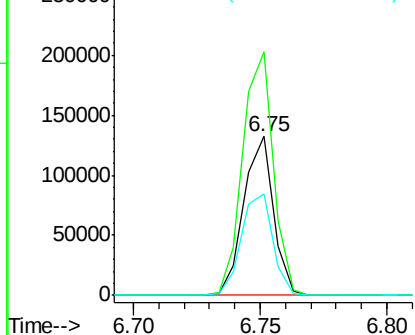
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.75 min Scan# 793  
Delta R.T. 0.00 min  
Lab File: BF097942.D  
Acq: 22 Aug 2017 8:57

Instrument :  
BNA\_F  
ClientSampleId :  
SB-14-COMP

Tot Ion:152 Resp: 107944  
Ion Ratio Lower Upper  
152 100  
150 153.2 126.2 189.2  
115 63.6 52.2 78.2



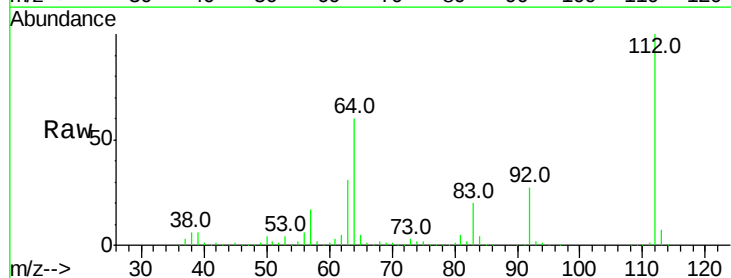
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



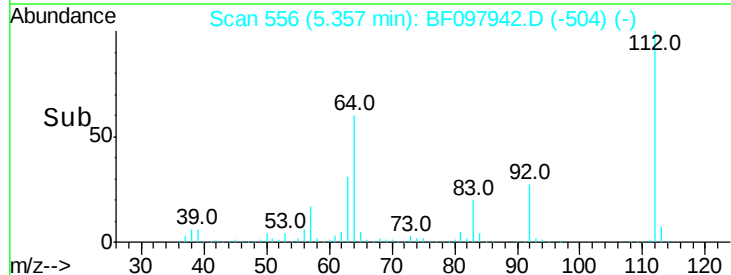
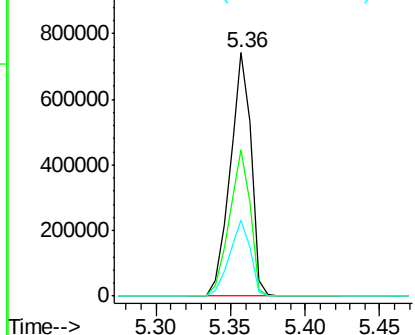
#5

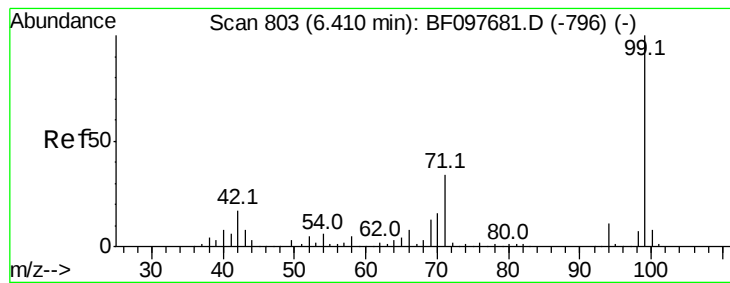
2-Fluorophenol  
Concen: 103.964 ng  
RT: 5.36 min Scan# 556  
Delta R.T. 0.01 min  
Lab File: BF097942.D  
Acq: 22 Aug 2017 8:57

Tgt Ion:112 Resp: 737784  
Ion Ratio Lower Upper  
112 100  
64 60.3 46.0 69.0  
63 31.3 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: 101.275 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF097942.D

Acq: 22 Aug 2017 8:57

Instrument :

BNA\_F

ClientSampleId :

SB-14-COMP

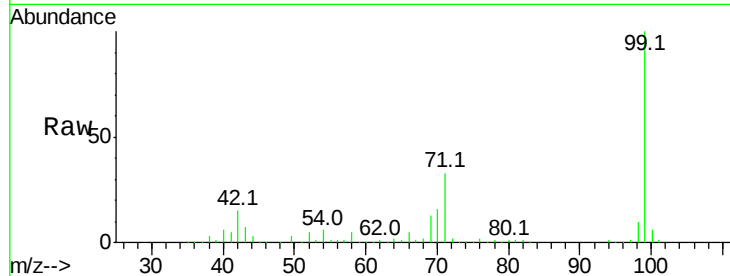
Tot Ion: 99 Resp: 976511

Ion Ratio Lower Upper

99 100

42 15.5 13.5 20.3

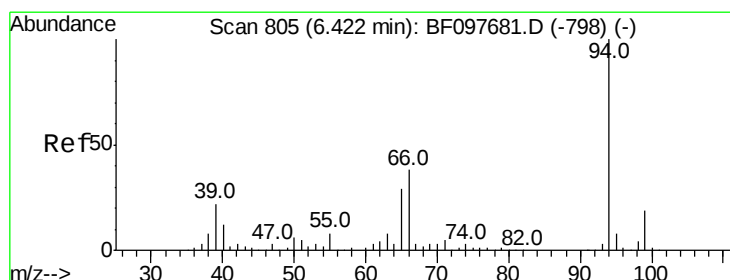
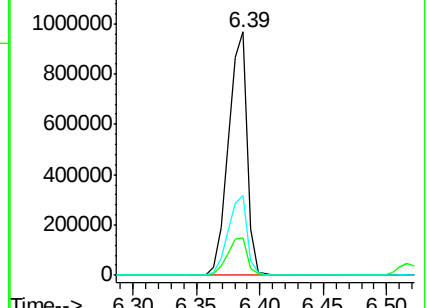
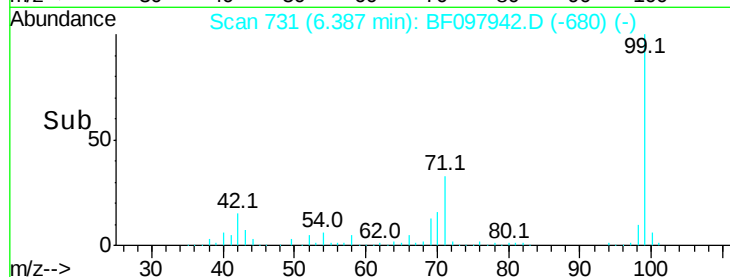
71 32.6 24.5 36.7



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: 2.572 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF097942.D

Acq: 22 Aug 2017 8:57

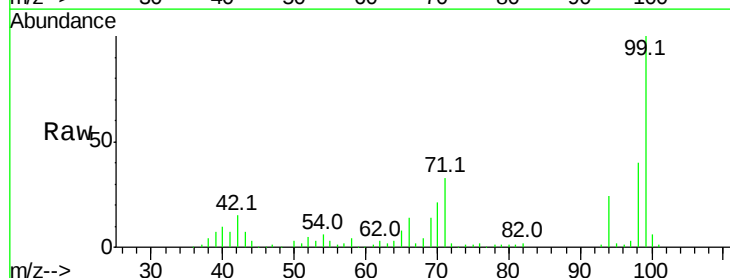
Tgt Ion: 94 Resp: 29004

Ion Ratio Lower Upper

94 100

65 34.5 9.9 49.9

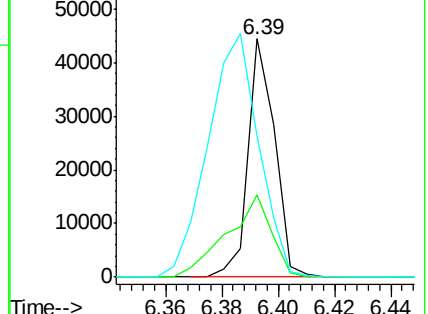
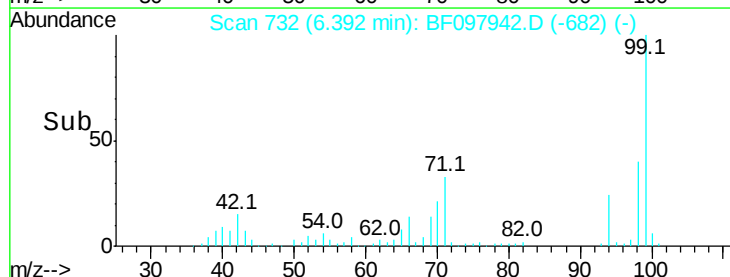
66 59.4 23.1 63.1

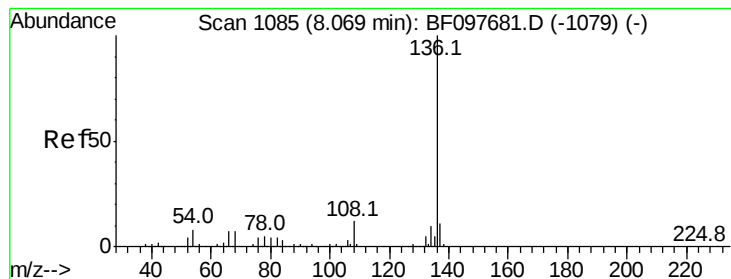


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BF097942.D

Acq: 22 Aug 2017 8:57

Instrument :

BNA\_F

ClientSampleId :

SB-14-COMP

Tot Ion:136 Resp: 388971

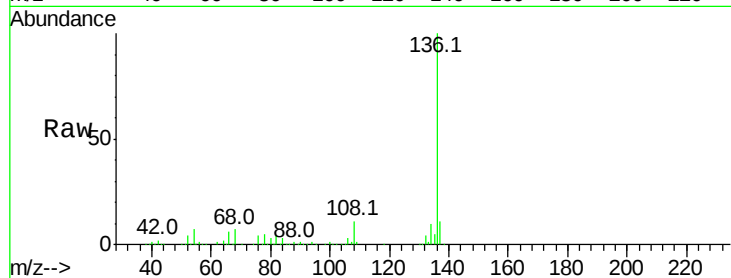
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.0 4.9 7.3

68 6.6 4.1 6.1#

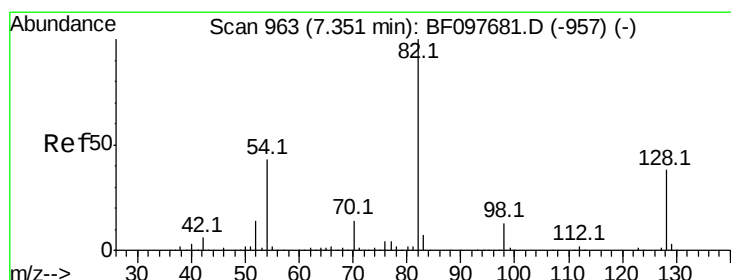
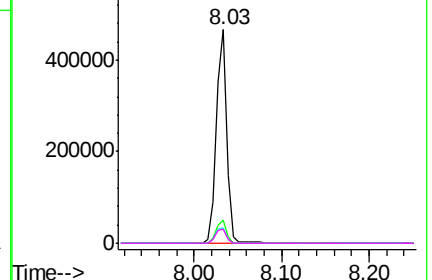
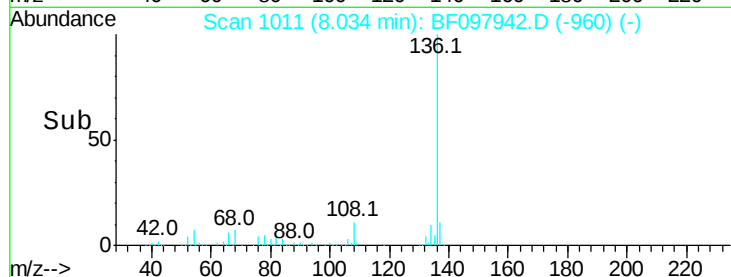


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.217 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF097942.D

Acq: 22 Aug 2017 8:57

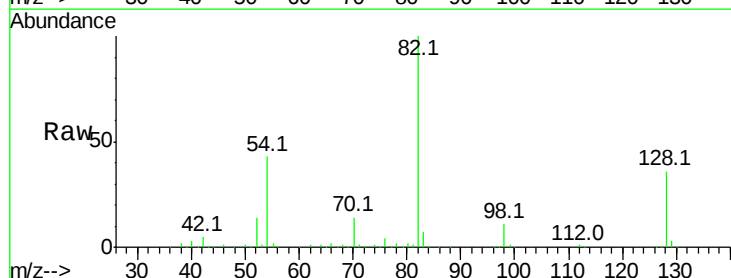
Tgt Ion: 82 Resp: 552882

Ion Ratio Lower Upper

82 100

128 36.5 34.0 51.0

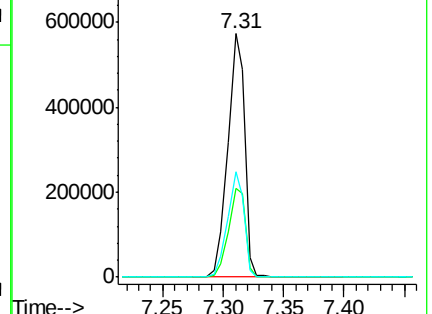
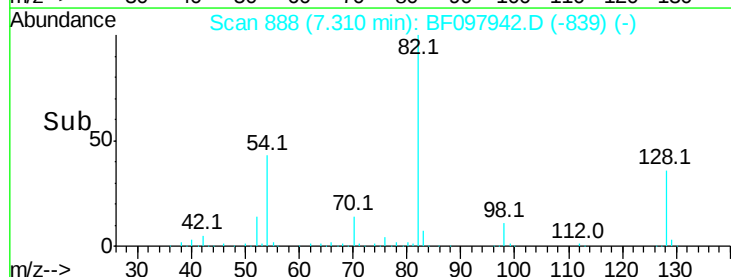
54 43.2 42.2 63.2

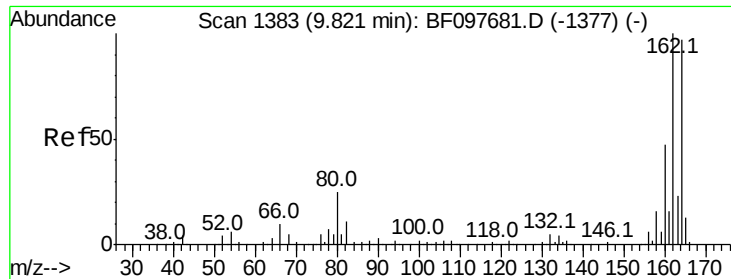


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

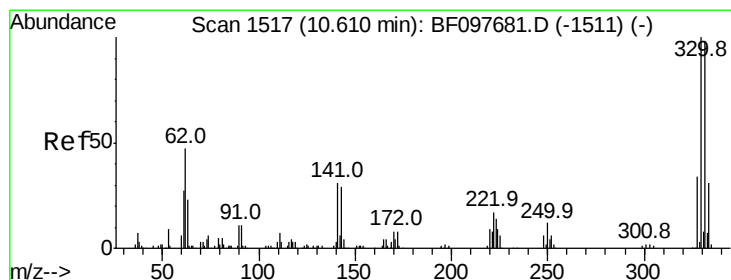
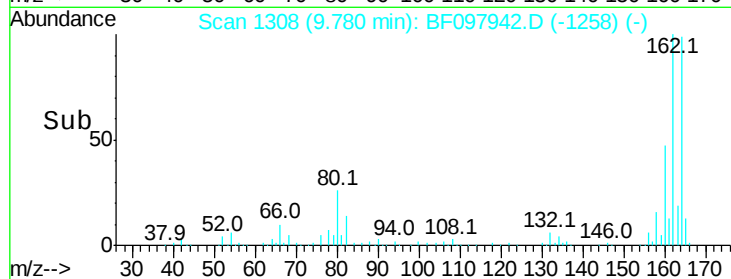
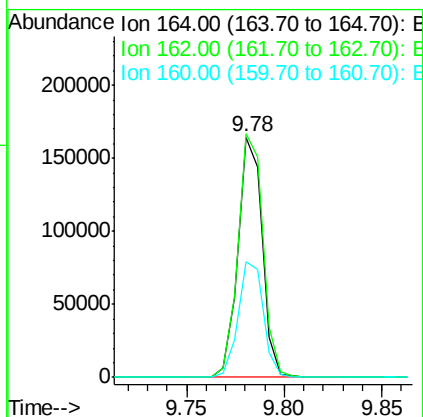
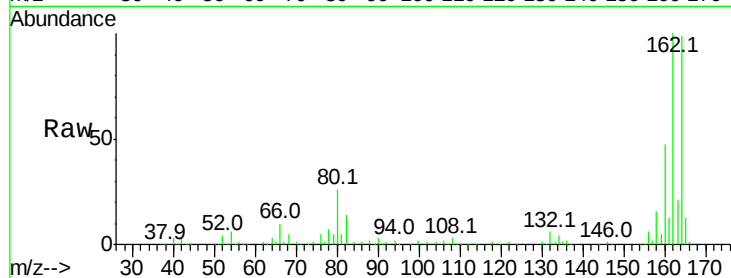




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.78 min Scan# 1308  
 Delta R.T. -0.01 min  
 Lab File: BF097942.D  
 Acq: 22 Aug 2017 8:57

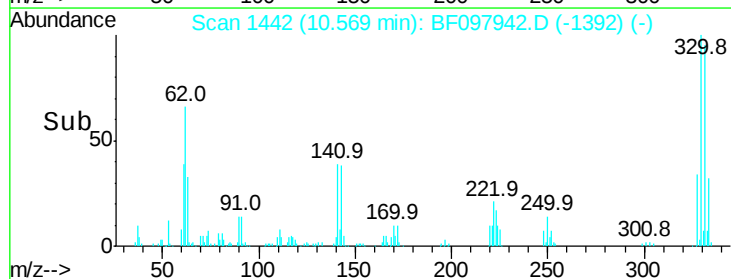
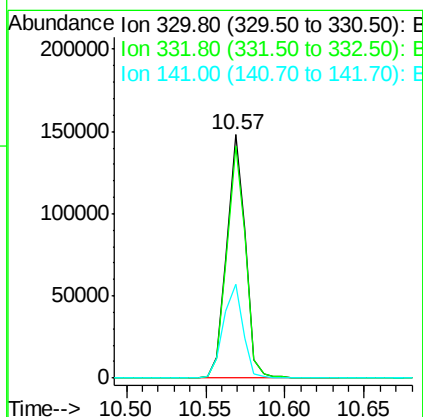
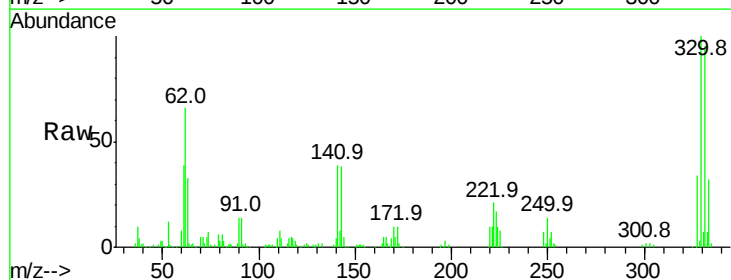
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-14-COMP

Tot Ion:164 Resp: 141783  
 Ion Ratio Lower Upper  
 164 100  
 162 101.3 82.6 123.8  
 160 48.0 36.2 54.2



#41  
 2,4,6-Tribromophenol  
 Concen: 97.992 ng  
 RT: 10.57 min Scan# 1442  
 Delta R.T. -0.01 min  
 Lab File: BF097942.D  
 Acq: 22 Aug 2017 8:57

Tgt Ion:330 Resp: 120550  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 76.6 115.0  
 141 41.2 31.4 47.2

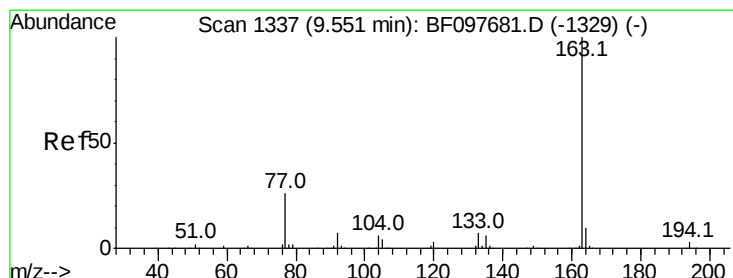
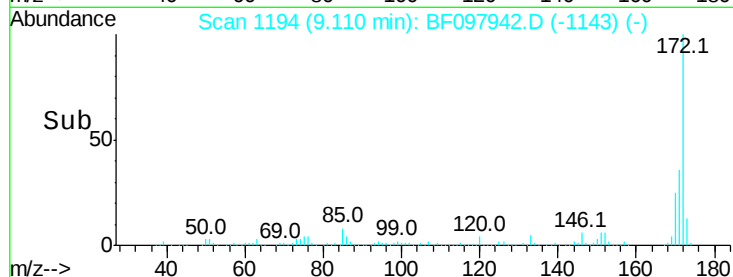
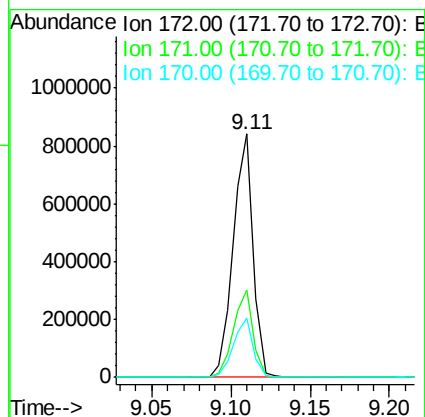
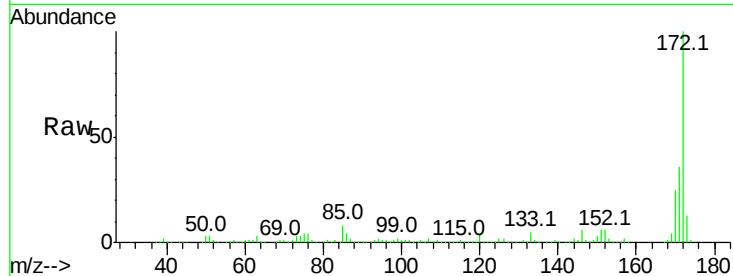




#44  
2-Fluorobiphenyl  
Concen: 76.212 ng  
RT: 9.11 min Scan# 1194  
Delta R.T. 0.00 min  
Lab File: BF097942.D  
Acq: 22 Aug 2017 8:57

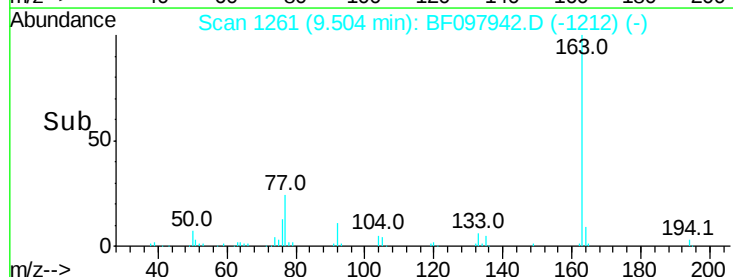
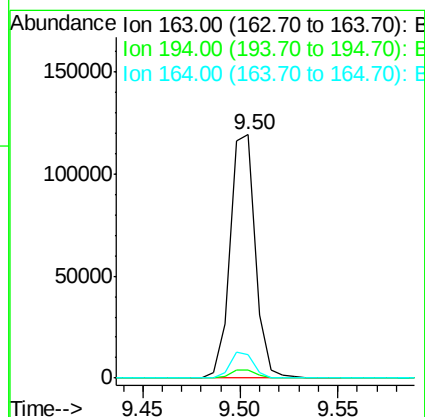
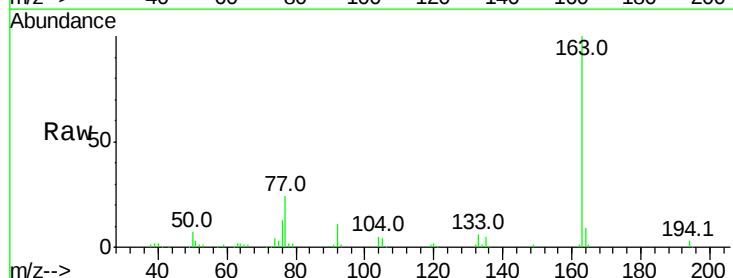
Instrument :  
BNA\_F  
ClientSampleId :  
SB-14-COMP

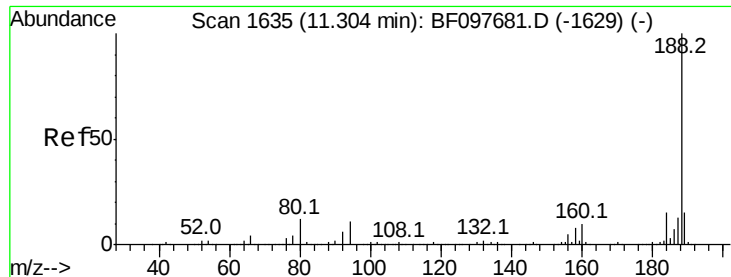
Tot Ion:172 Resp: 735471  
Ion Ratio Lower Upper  
172 100  
171 36.1 29.6 44.4  
170 24.5 19.8 29.8



#49  
Dimethylphthalate  
Concen: 10.299 ng  
RT: 9.50 min Scan# 1261  
Delta R.T. -0.01 min  
Lab File: BF097942.D  
Acq: 22 Aug 2017 8:57

Tgt Ion:163 Resp: 106741  
Ion Ratio Lower Upper  
163 100  
194 3.2 2.6 4.0  
164 9.4 8.4 12.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.26 min Scan# 1560

Delta R.T. 0.00 min

Lab File: BF097942.D

Acq: 22 Aug 2017 8:57

Instrument :

BNA\_F

ClientSampleId :

SB-14-COMP

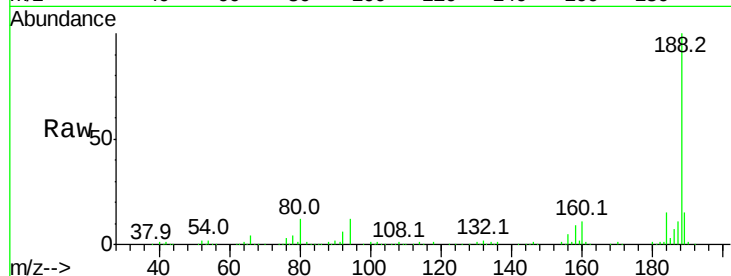
Tot Ion:188 Resp: 248283

Ion Ratio Lower Upper

188 100

94 11.8 9.4 14.2

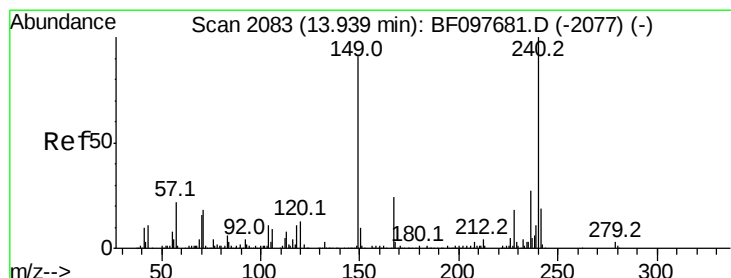
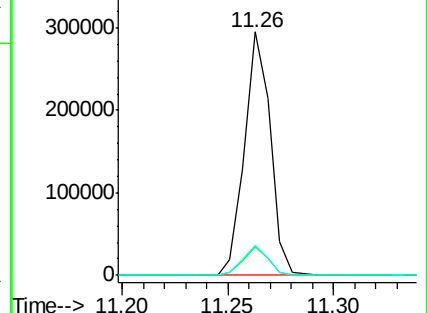
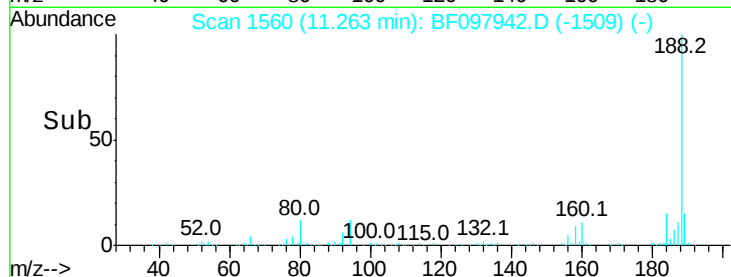
80 12.5 10.2 15.2



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: 13.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BF097942.D

Acq: 22 Aug 2017 8:57

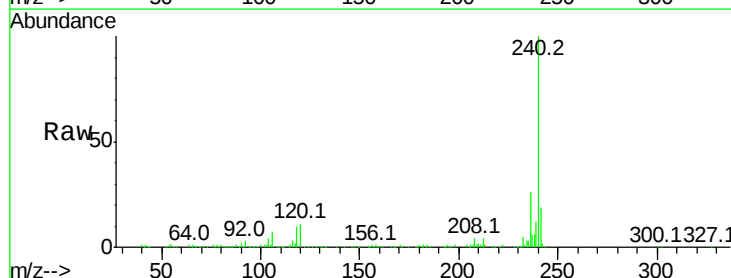
Tgt Ion:240 Resp: 212906

Ion Ratio Lower Upper

240 100

120 11.2 5.8 8.8#

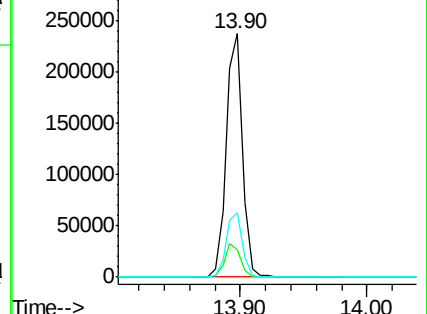
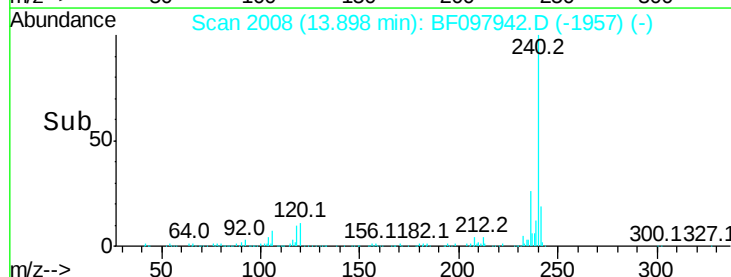
236 26.3 20.5 30.7

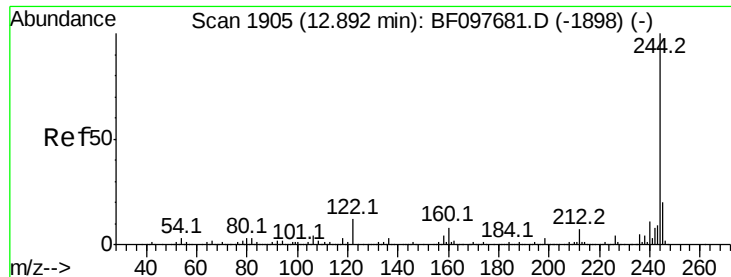


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 54.682 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF097942.D

Acq: 22 Aug 2017 8:57

Instrument :

BNA\_F

ClientSampleId :

SB-14-COMP

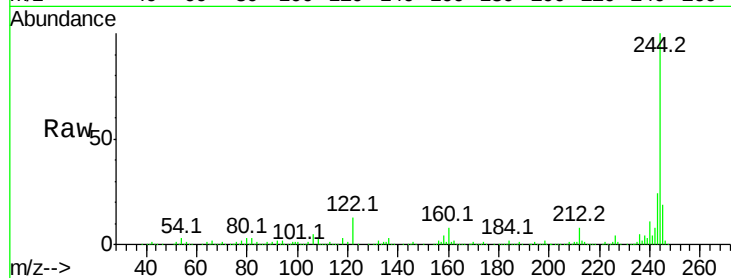
Tot Ion:244 Resp: 558281

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

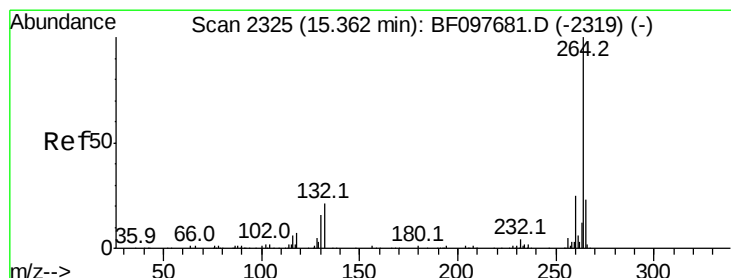
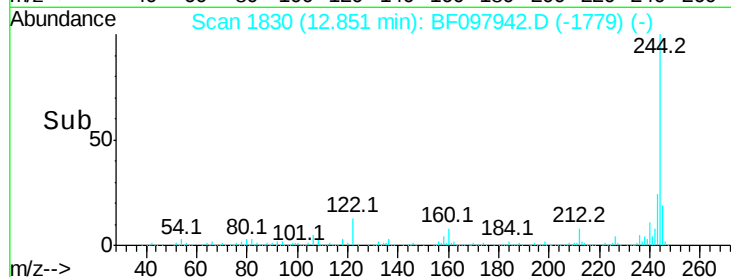
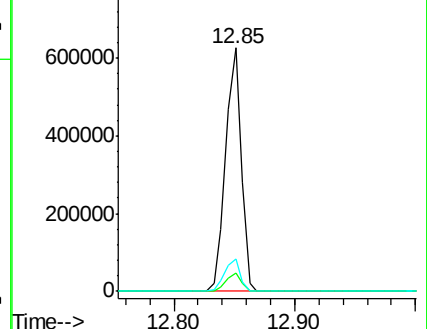
122 13.2 10.3 15.5



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: 20.000 ng

RT: 15.32 min Scan# 2249

Delta R.T. 0.01 min

Lab File: BF097942.D

Acq: 22 Aug 2017 8:57

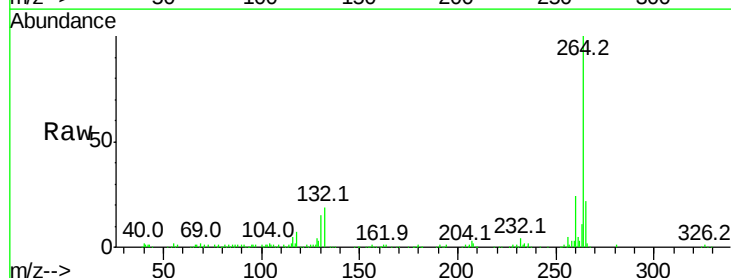
Tgt Ion:264 Resp: 142714

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

265 22.0 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

