

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061617\  
 Data File : BF095994.D  
 Acq On : 17 Jun 2017 13:04  
 Operator : SJ/MA  
 Sample : I3686-03 10X  
 Misc :  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jun 19 01:11:04 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 16 17:12:03 2017  
 Response via : Initial Calibration

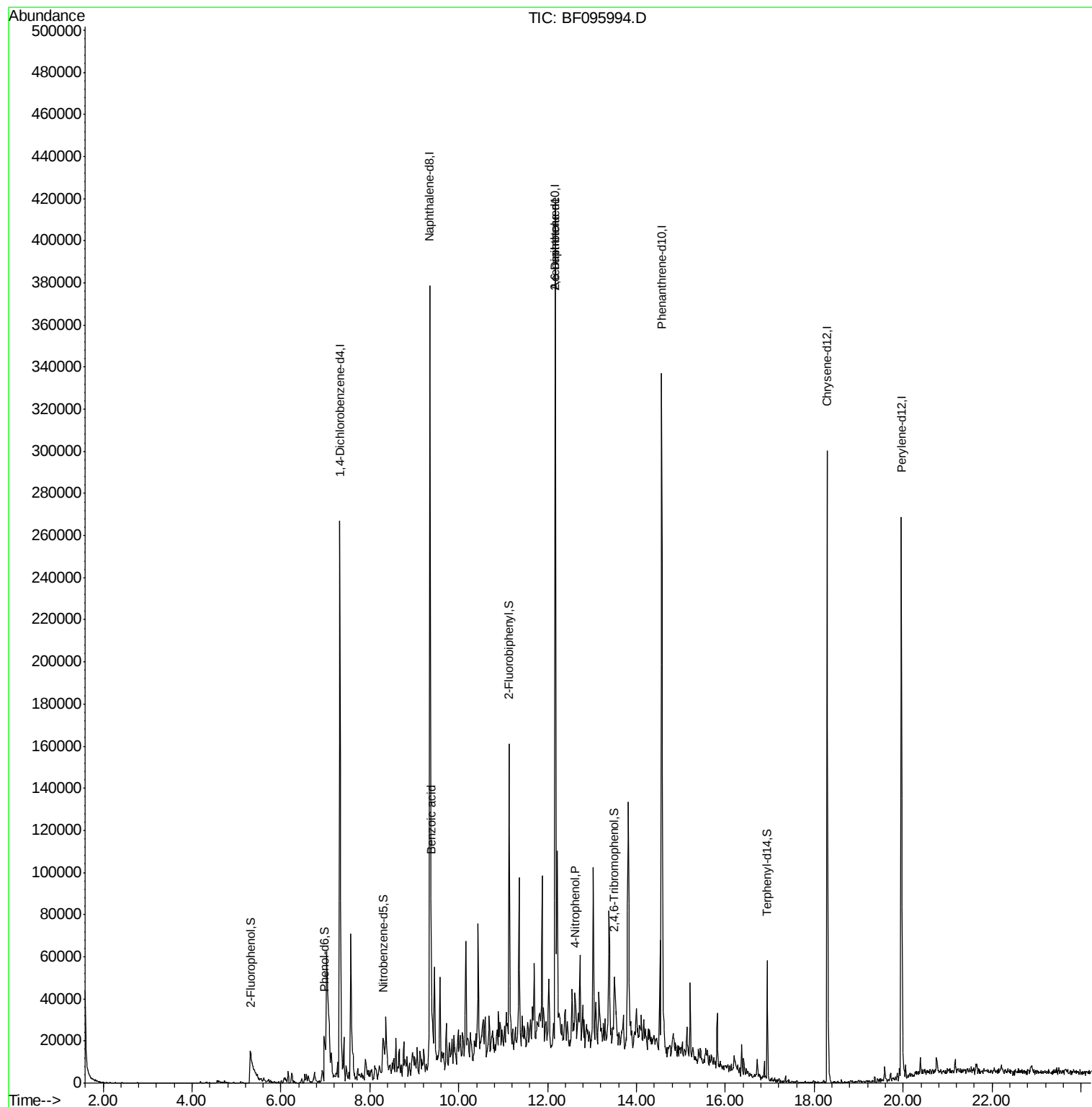
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.32  | 152  | 70670    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 9.35  | 136  | 282752   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 12.17 | 164  | 119786   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 14.56 | 188  | 174144   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 18.29 | 240  | 149607   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 19.96 | 264  | 138433   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.32  | 112  | 29469    | 6.64  | ng    | 0.11     |
| 7) Phenol-d6                | 6.97  | 99   | 39980    | 7.53  | ng    | 0.06     |
| 23) Nitrobenzene-d5         | 8.29  | 82   | 16769    | 3.68  | ng    | 0.04     |
| 41) 2,4,6-Tribromophenol    | 13.50 | 330  | 6474     | 6.11  | ng    | 0.02     |
| 44) 2-Fluorobiphenyl        | 11.13 | 172  | 49732    | 5.78  | ng    | 0.00     |
| 78) Terphenyl-d14           | 16.94 | 244  | 26785    | 4.44  | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 32) Benzoic acid            | 9.38  | 122  | 111      | 5.16  | ng    | # 22     |
| 50) 2,6-Dinitrotoluene      | 12.17 | 165  | 16094    | 8.11  | ng    | # 31     |
| 55) 4-Nitrophenol           | 12.62 | 139  | 357      | 4.88  | ng    | # 1      |

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

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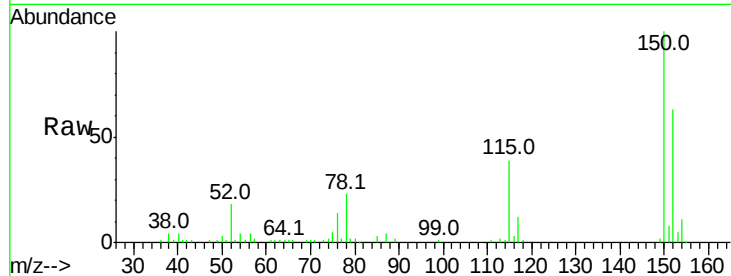


#1

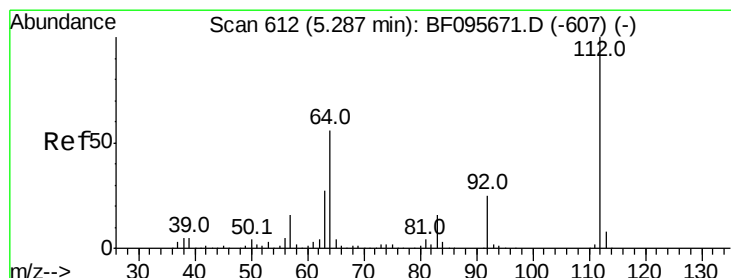
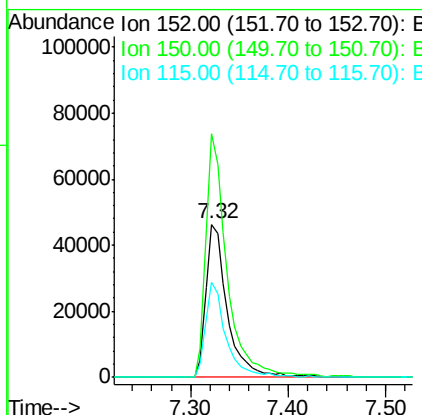
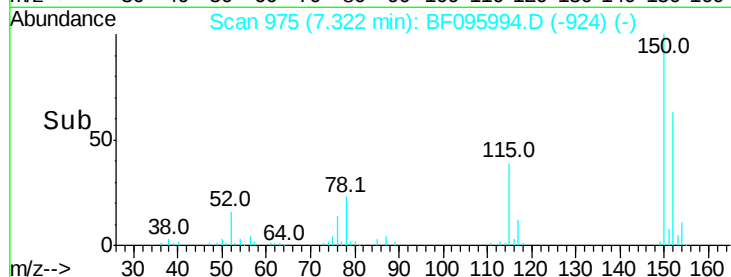
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.32 min Scan# 975  
Delta R.T. 0.00 min  
Lab File: BF095994.D  
Acq: 17 Jun 2017 13:04

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 70670  
Ion Ratio Lower Upper  
152 100  
150 158.9 126.2 189.2  
115 62.1 52.2 78.2



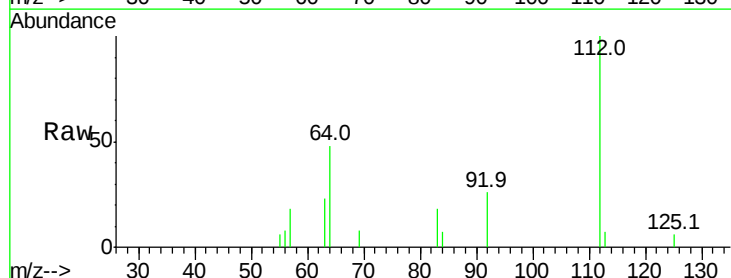
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



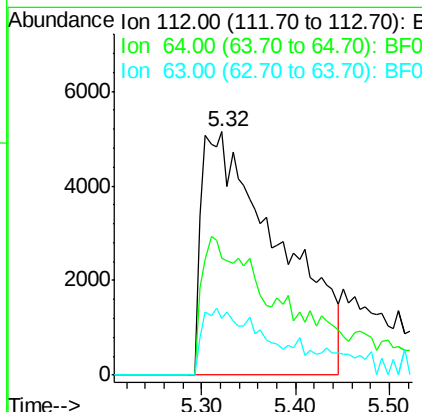
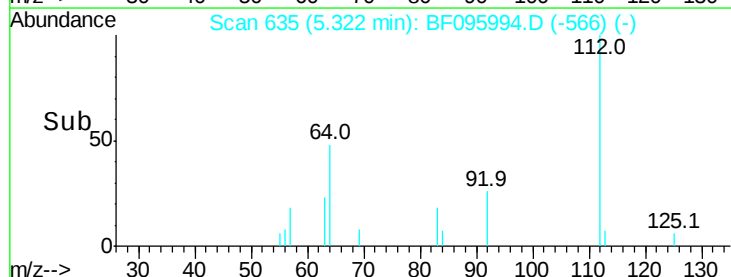
#5

2-Fluorophenol  
Concen: 6.64 ng  
RT: 5.32 min Scan# 635  
Delta R.T. 0.11 min  
Lab File: BF095994.D  
Acq: 17 Jun 2017 13:04

Tgt Ion:112 Resp: 29469  
Ion Ratio Lower Upper  
112 100  
64 48.2 46.0 69.0  
63 23.2 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: 7.53 ng

RT: 6.97 min Scan# 916

Delta R.T. 0.06 min

Lab File: BF095994.D

Acq: 17 Jun 2017 13:04

Instrument :

BNA\_F

ClientSampled :

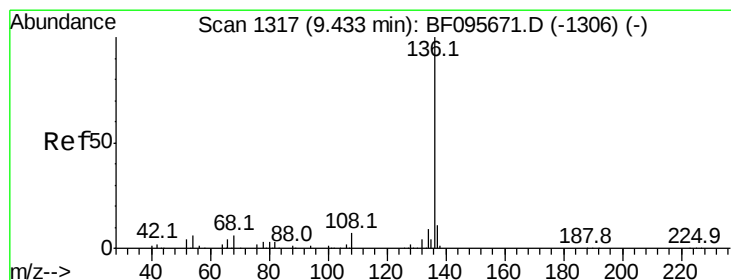
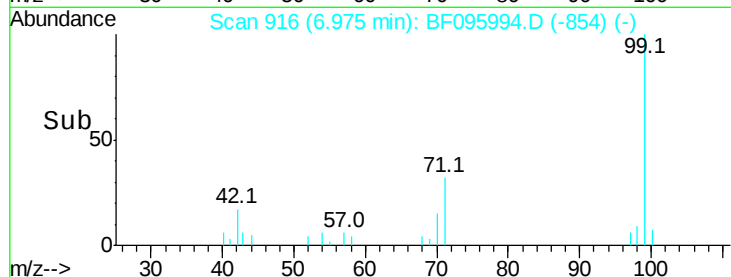
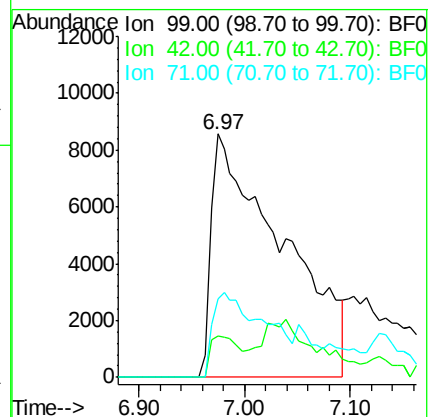
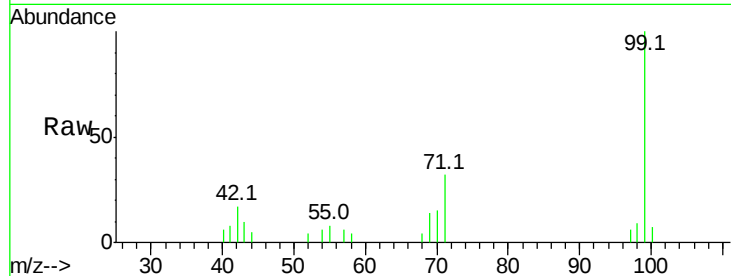
Tot Ion: 99 Resp: 39980

Ion Ratio Lower Upper

99 100

42 17.2 13.5 20.3

71 32.4 24.5 36.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.35 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF095994.D

Acq: 17 Jun 2017 13:04

Tgt Ion:136 Resp: 282752

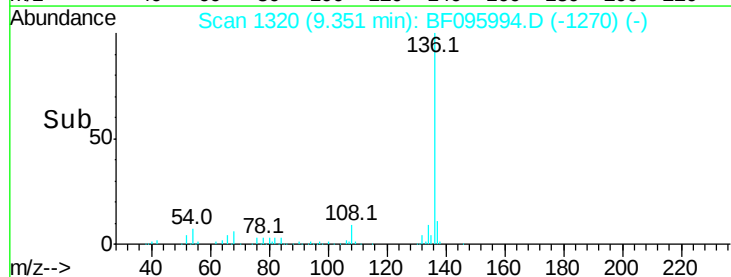
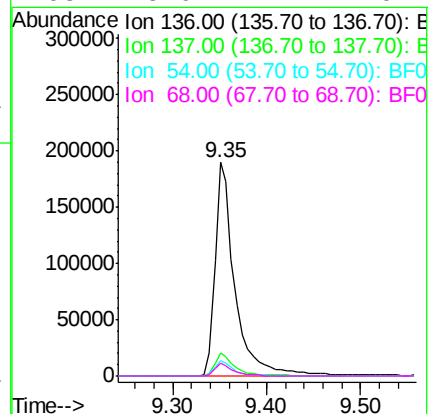
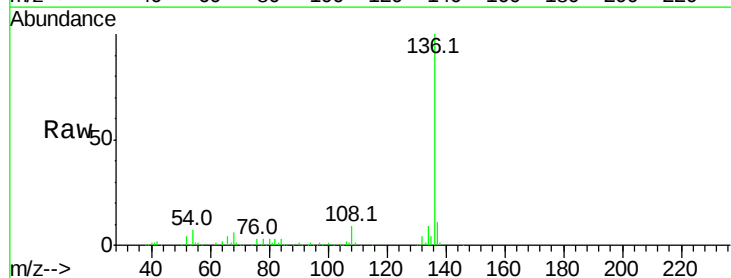
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 7.4 4.9 7.3#

68 5.9 4.1 6.1

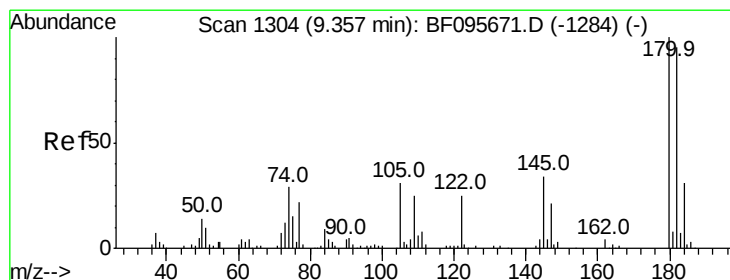
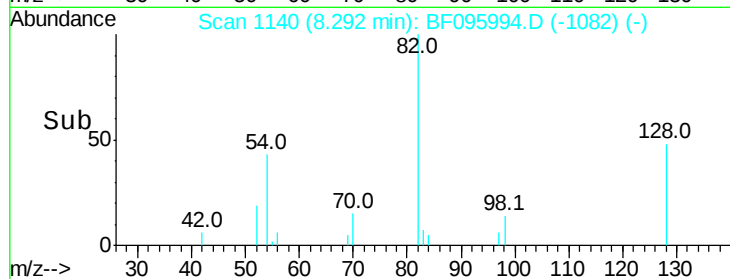
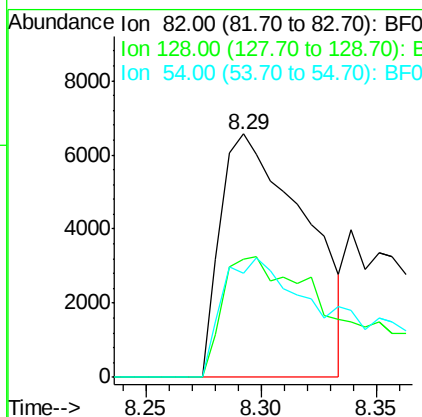
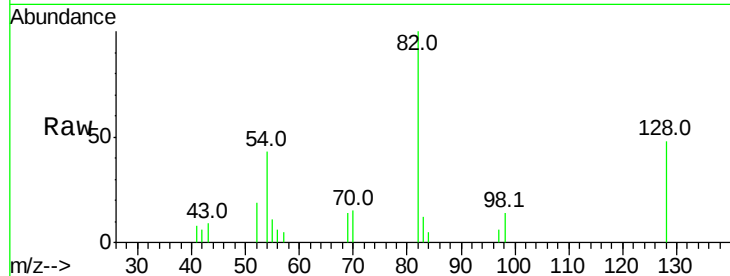




#23  
Nitrobenzene-d5  
Concen: 3.68 ng  
RT: 8.29 min Scan# 1140  
Delta R.T. 0.04 min  
Lab File: BF095994.D  
Acq: 17 Jun 2017 13:04

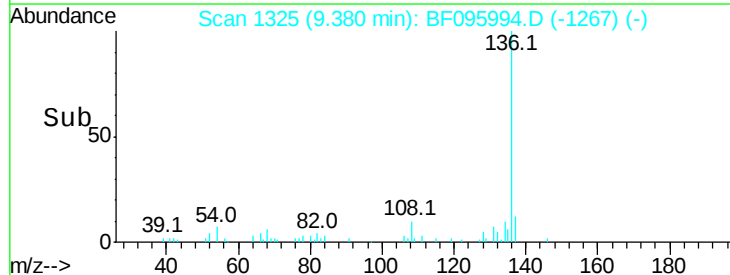
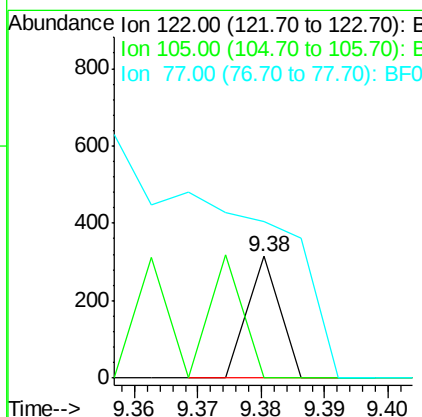
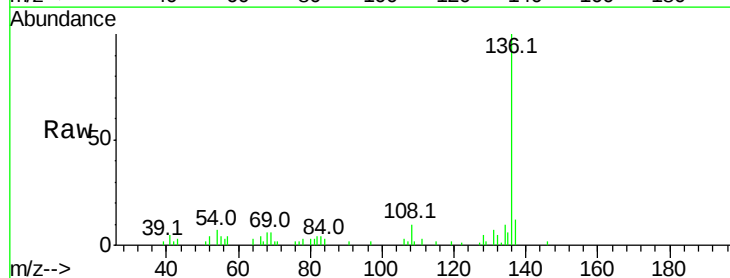
Instrument :  
BNA\_F  
ClientSampled :

Tot Ion: 82 Resp: 16769  
Ion Ratio Lower Upper  
82 100  
128 48.3 34.0 51.0  
54 42.6 42.2 63.2



#32  
Benzoic acid  
Concen: 5.16 ng  
RT: 9.38 min Scan# 1325  
Delta R.T. 0.04 min  
Lab File: BF095994.D  
Acq: 17 Jun 2017 13:04

Tgt Ion:122 Resp: 111  
Ion Ratio Lower Upper  
122 100  
105 0.0 103.3 143.3#  
77 128.9 73.7 113.7#

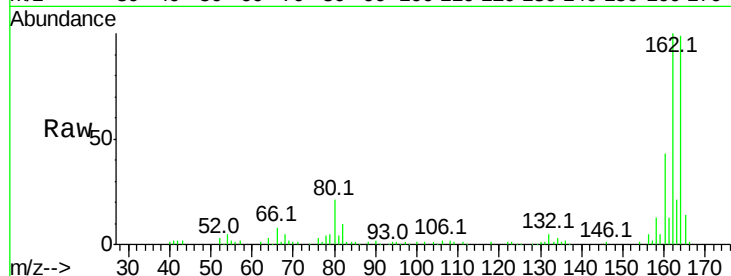




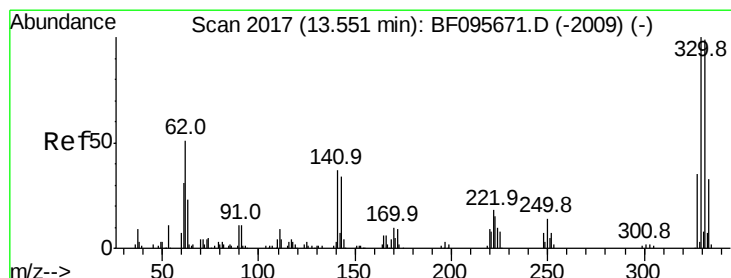
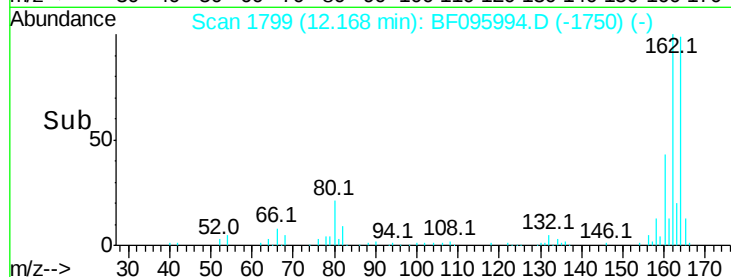
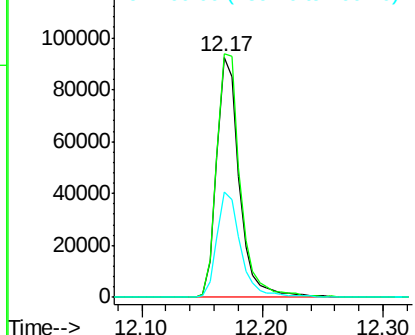
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 12.17 min Scan# 1799  
 Delta R.T. -0.01 min  
 Lab File: BF095994.D  
 Acq: 17 Jun 2017 13:04

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:164 Resp: 119786  
 Ion Ratio Lower Upper  
 164 100  
 162 101.3 82.6 123.8  
 160 43.8 36.2 54.2

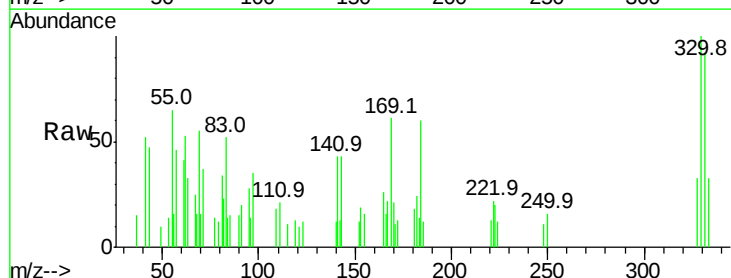


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

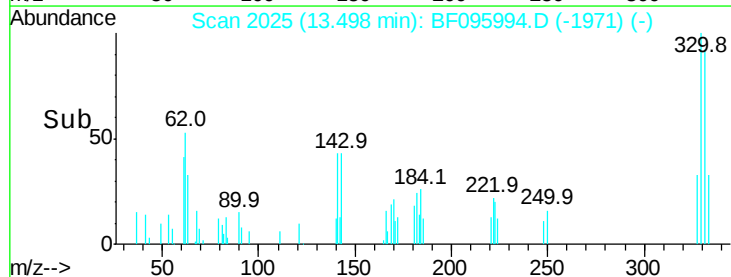
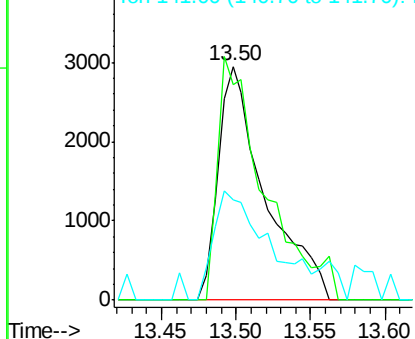


#41  
 2,4,6-Tribromophenol  
 Concen: 6.11 ng  
 RT: 13.50 min Scan# 2025  
 Delta R.T. 0.02 min  
 Lab File: BF095994.D  
 Acq: 17 Jun 2017 13:04

Tgt Ion:330 Resp: 6474  
 Ion Ratio Lower Upper  
 330 100  
 332 104.3 76.6 115.0  
 141 54.9 31.4 47.2#



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

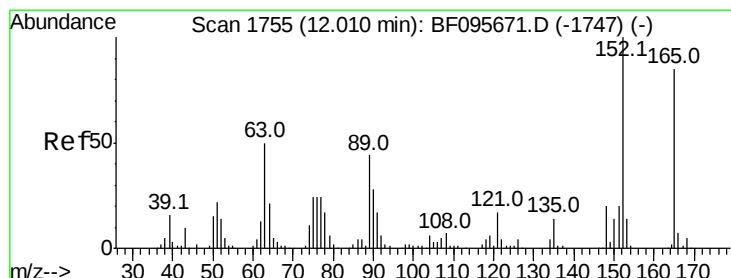
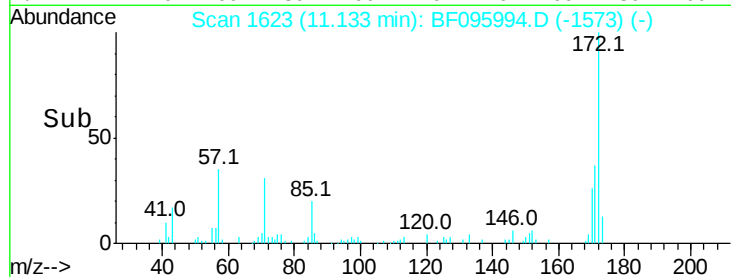
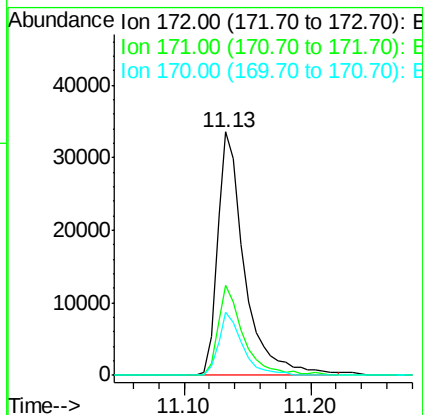
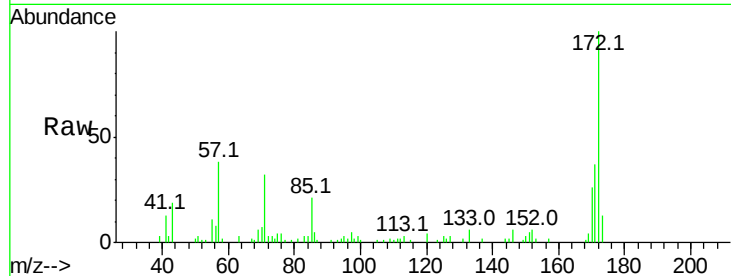




#44  
 2-Fluorobiphenyl  
 Concen: 5.78 ng  
 RT: 11.13 min Scan# 1623  
 Delta R.T. -0.01 min  
 Lab File: BF095994.D  
 Acq: 17 Jun 2017 13:04

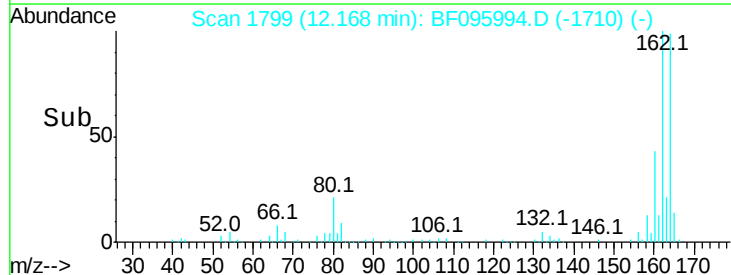
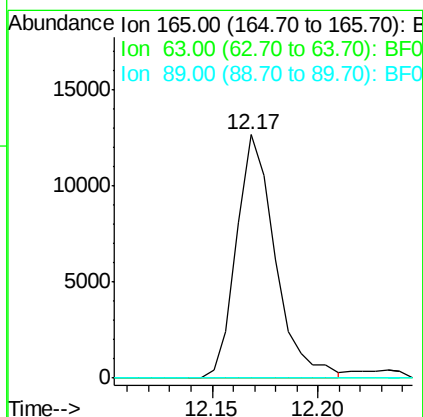
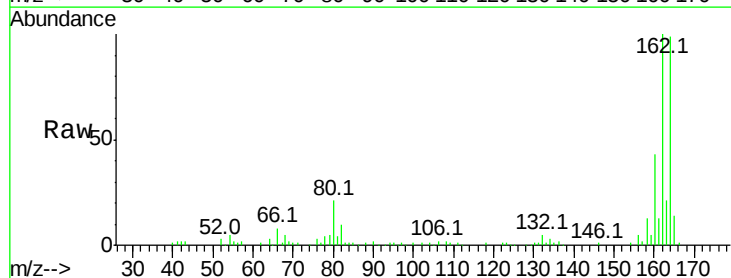
Instrument :  
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 ClientSampleId :

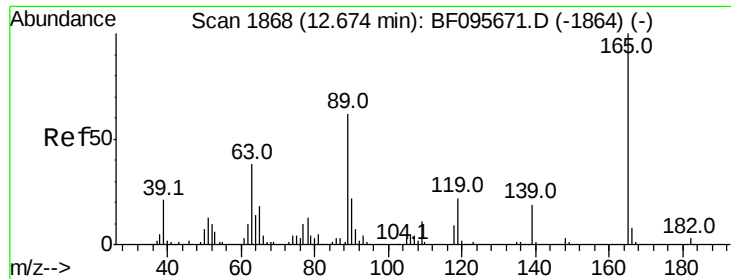
Tot Ion:172 Resp: 49732  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 29.6 44.4  
 170 26.1 19.8 29.8



#50  
 2,6-Dinitrotoluene  
 Concen: 8.11 ng  
 RT: 12.17 min Scan# 1799  
 Delta R.T. 0.22 min  
 Lab File: BF095994.D  
 Acq: 17 Jun 2017 13:04

Tgt Ion:165 Resp: 16094  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 34.3 51.5#  
 89 0.0 37.1 55.7#

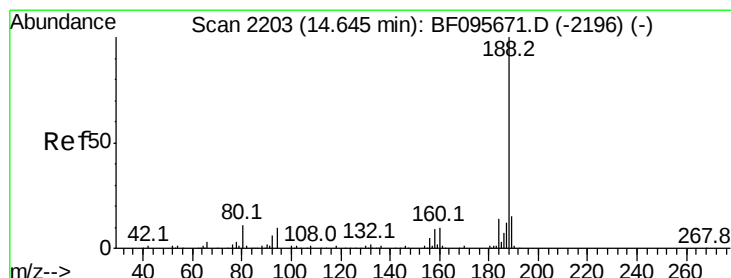
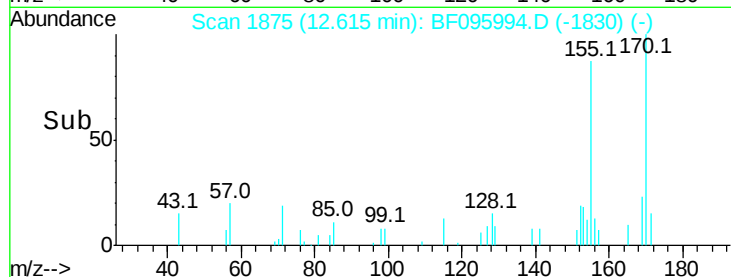
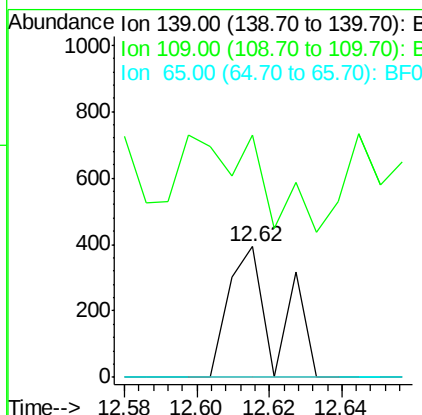
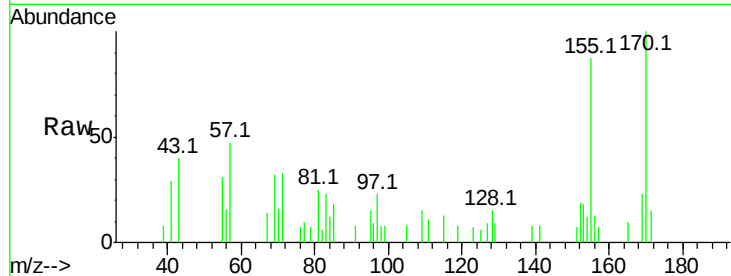




#55  
4-Nitrophenol  
Concen: 4.88 ng  
RT: 12.62 min Scan# 1875  
Delta R.T. -0.04 min  
Lab File: BF095994.D  
Acq: 17 Jun 2017 13:04

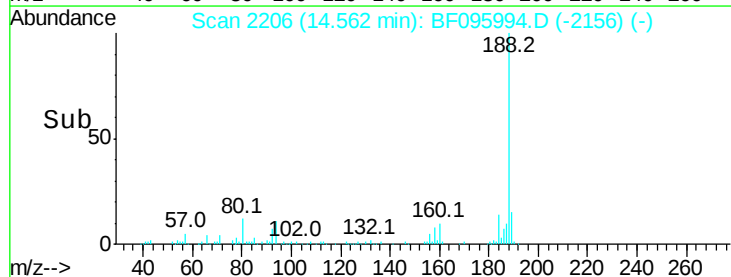
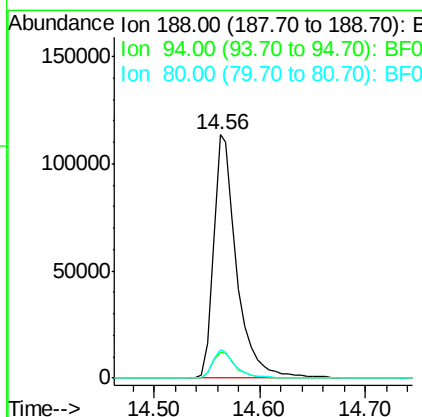
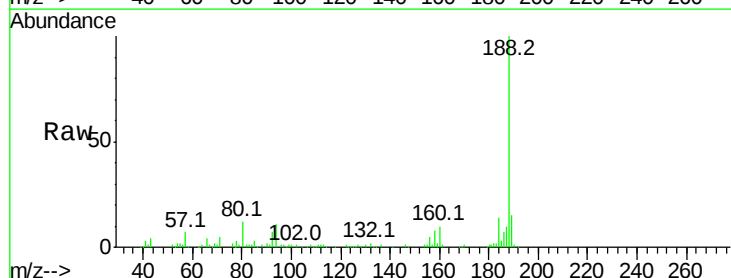
Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:139 Resp: 357  
Ion Ratio Lower Upper  
139 100  
109 185.3 34.1 74.1#  
65 0.0 31.4 71.4#



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 14.56 min Scan# 2206  
Delta R.T. -0.01 min  
Lab File: BF095994.D  
Acq: 17 Jun 2017 13:04

Tgt Ion:188 Resp: 174144  
Ion Ratio Lower Upper  
188 100  
94 10.6 9.4 14.2  
80 11.6 10.2 15.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.29 min Scan# 2839

Delta R.T. -0.01 min

Lab File: BF095994.D

Acq: 17 Jun 2017 13:04

Instrument :

BNA\_F

ClientSampleId :

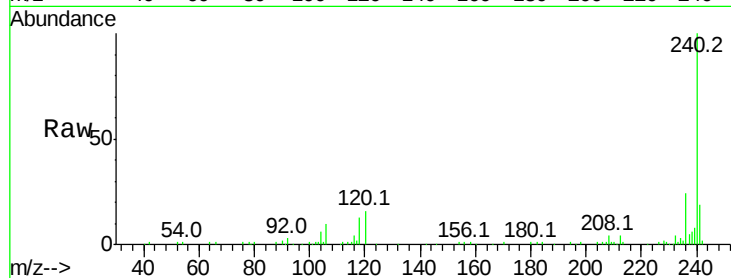
Tot Ion:240 Resp: 149607

Ion Ratio Lower Upper

240 100

120 15.9 5.8 8.8#

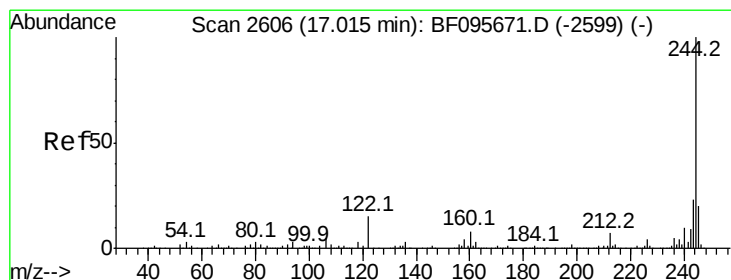
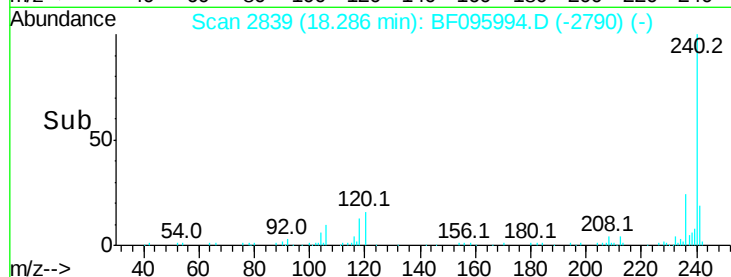
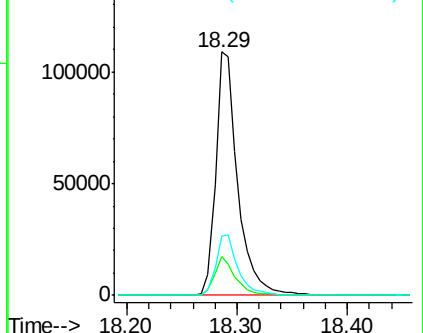
236 24.3 20.5 30.7



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: 4.44 ng

RT: 16.94 min Scan# 2611

Delta R.T. -0.01 min

Lab File: BF095994.D

Acq: 17 Jun 2017 13:04

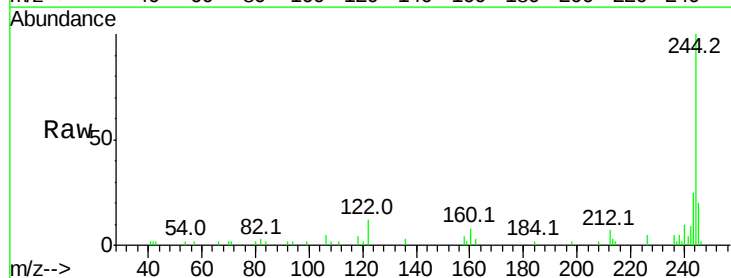
Tgt Ion:244 Resp: 26785

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

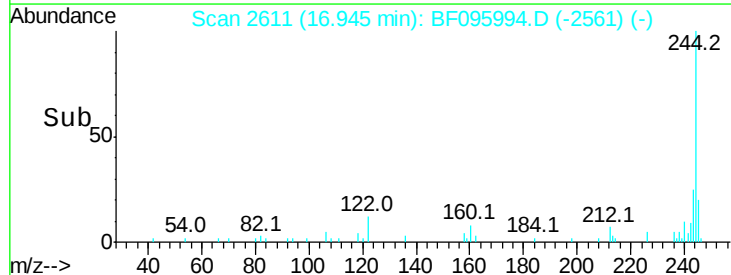
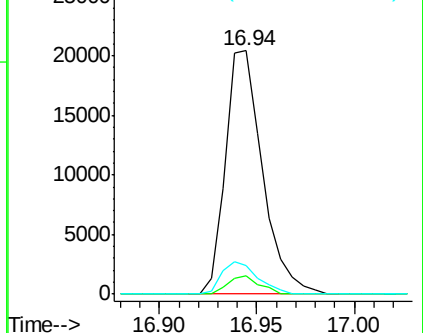
122 11.7 10.3 15.5

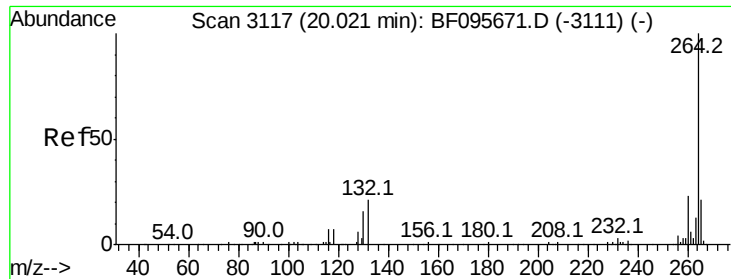


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

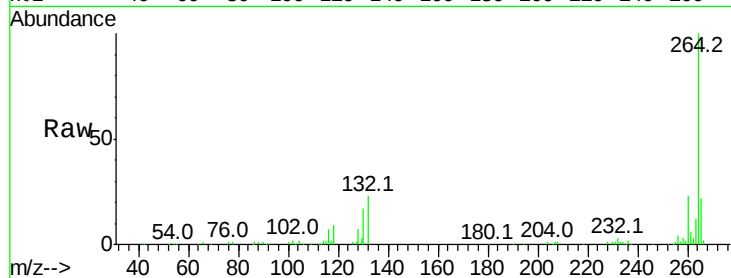




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 19.96 min Scan# 3123  
 Delta R.T. -0.01 min  
 Lab File: BF095994.D  
 Acq: 17 Jun 2017 13:04

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion: 264 Resp: 138433  
 Ion Ratio Lower Upper  
 264 100  
 260 22.6 19.5 29.3  
 265 21.8 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

