

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF101417\  
 Data File : BF099489.D  
 Acq On : 14 Oct 2017 21:02  
 Operator : SJ/JU  
 Sample : I5865-03  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CLEANSAND-12

Quant Time: Oct 15 00:24:40 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Oct 14 23:44:03 2017  
 Response via : Initial Calibration

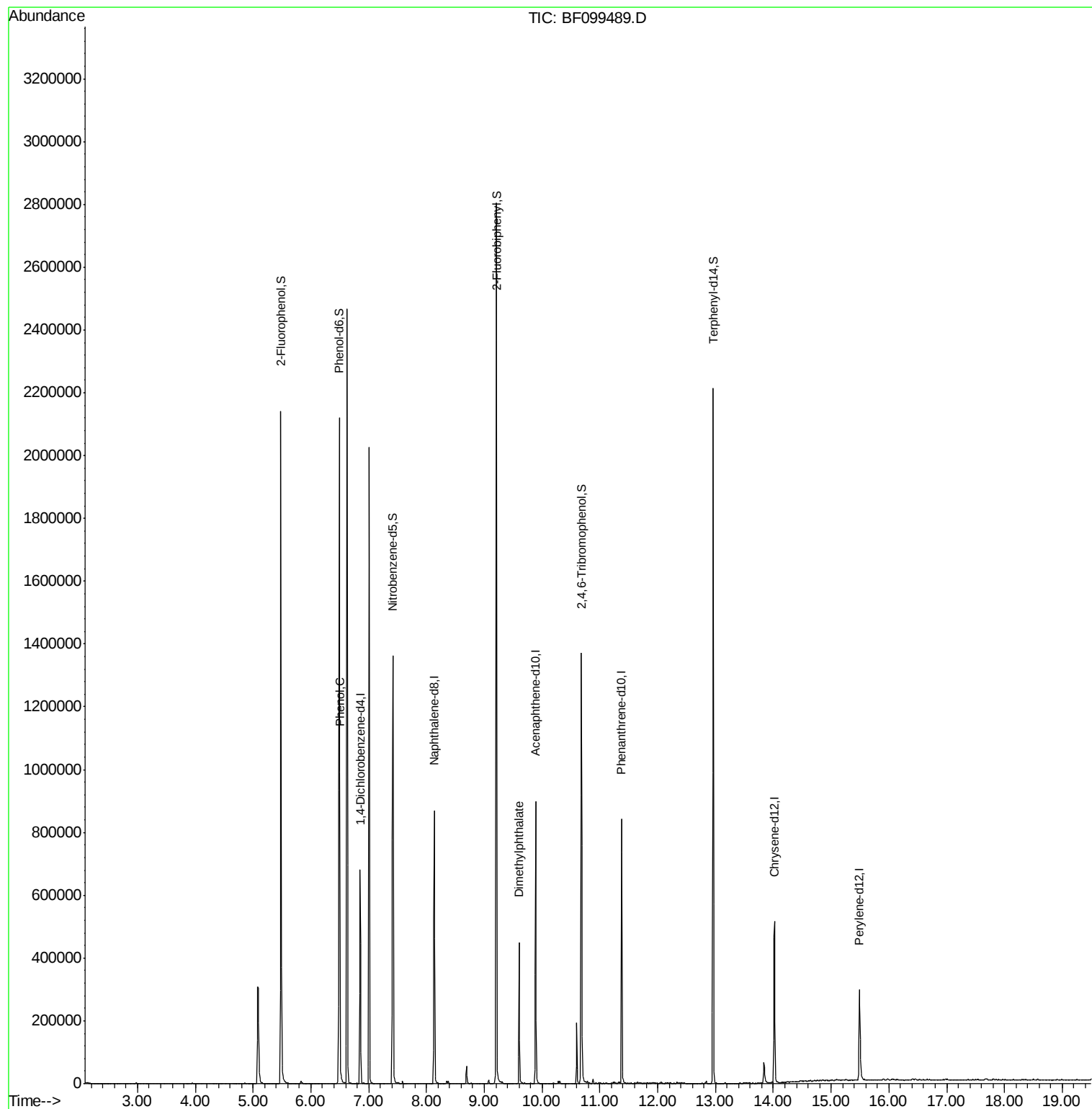
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 95651    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.13  | 136  | 398019   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.89  | 164  | 181264   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.37 | 188  | 309220   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.02 | 240  | 179026   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.49 | 264  | 147223   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.48  | 112  | 692735   | 115.29 | ng    | 0.00     |
| 7) Phenol-d6                | 6.49  | 99   | 829378   | 111.89 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 509188   | 82.04  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.68 | 330  | 160014   | 107.88 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.21  | 172  | 939415   | 86.52  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.96 | 244  | 730471   | 92.79  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.50  | 94   | 41532    | 5.01   | ng    | 96       |
| 49) Dimethylphthalate       | 9.60  | 163  | 202349   | 14.79  | ng    | 98       |

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.01 min

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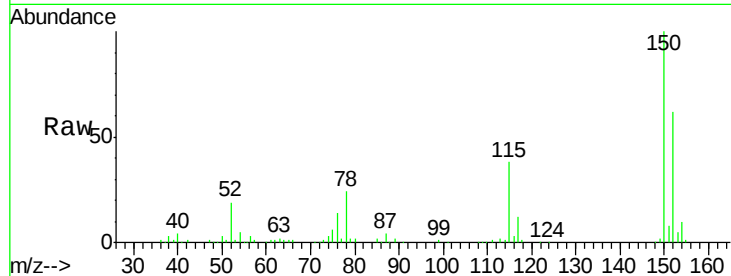
Tgt Ion:152 Resp: 95651

Ion Ratio Lower Upper

152 100

150 161.8 124.6 186.8

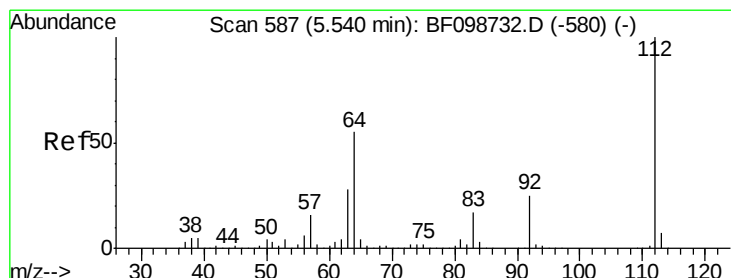
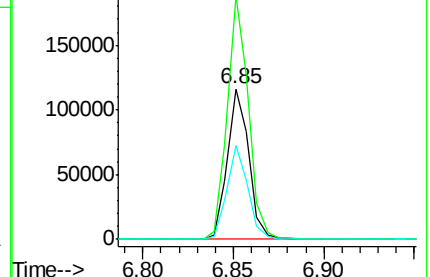
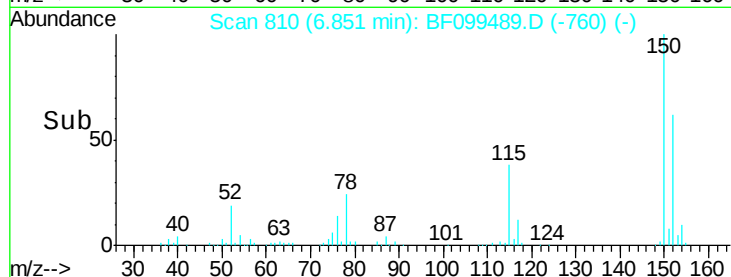
115 62.2 50.1 75.1



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: 115.29 ng

RT: 5.48 min Scan# 577

Delta R.T. 0.01 min

Lab File: BF099489.D

Acq: 14 Oct 2017 21:02

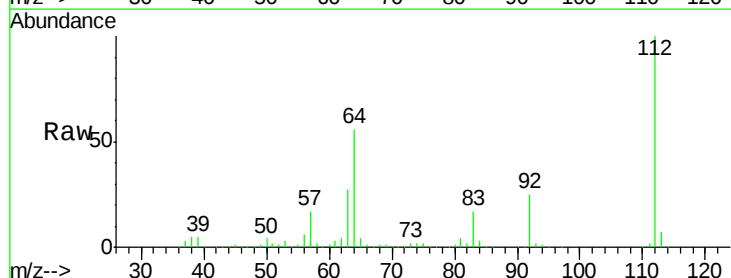
Tgt Ion:112 Resp: 692735

Ion Ratio Lower Upper

112 100

64 56.2 47.9 71.9

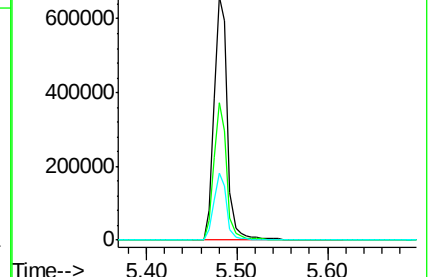
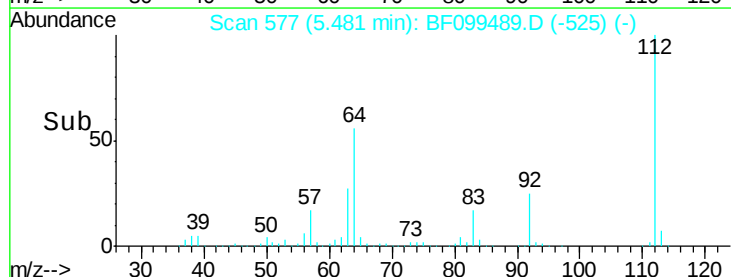
63 27.5 23.7 35.5

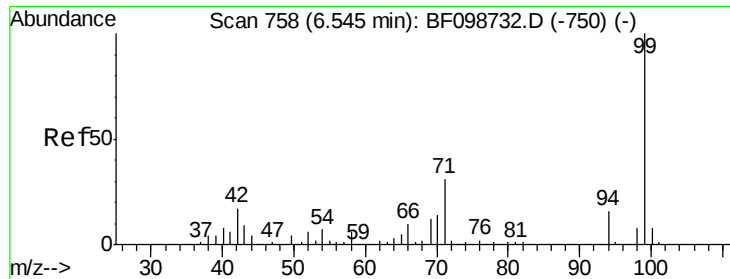


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 111.89 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF099489.D

Acq: 14 Oct 2017 21:02

Instrument :

BNA\_F

ClientSampleId :

CLEANSAND-12

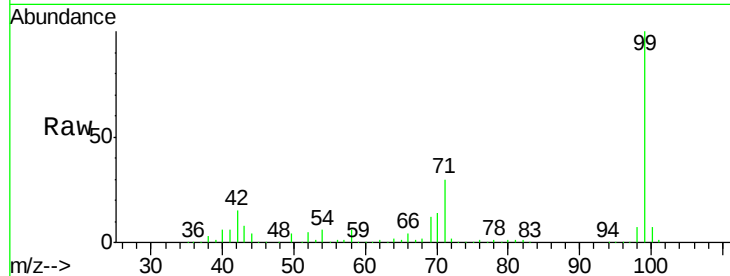
Tgt Ion: 99 Resp: 829378

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

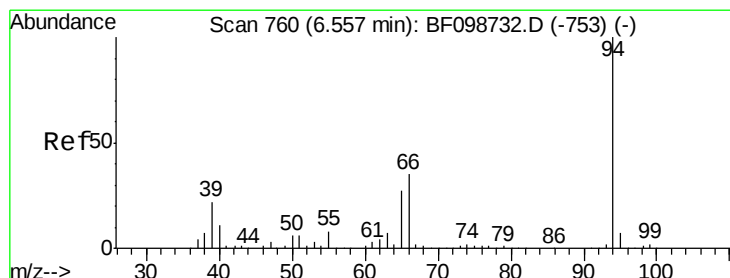
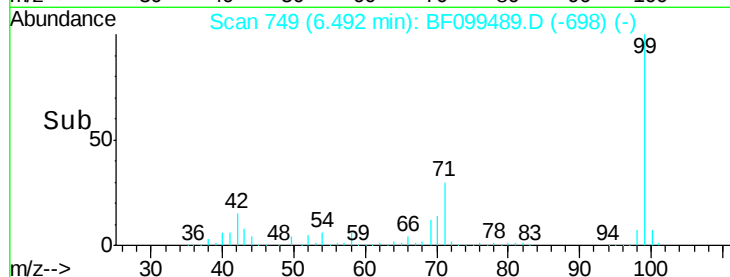
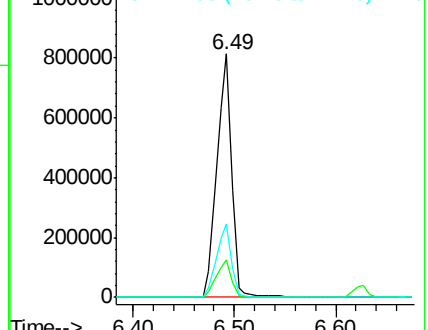
71 30.4 25.4 38.0



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: 5.01 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF099489.D

Acq: 14 Oct 2017 21:02

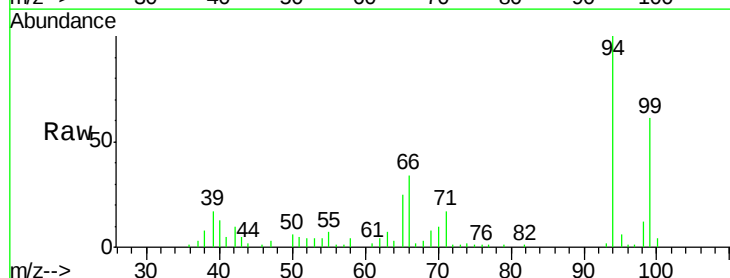
Tgt Ion: 94 Resp: 41532

Ion Ratio Lower Upper

94 100

65 25.3 7.9 47.9

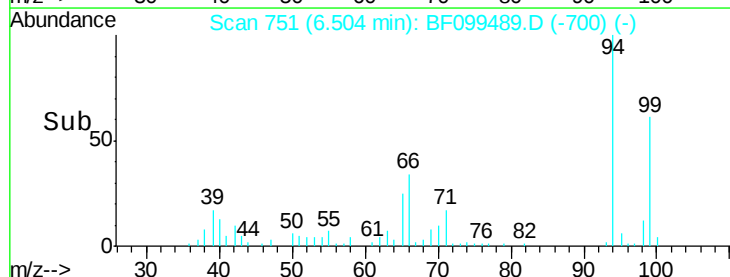
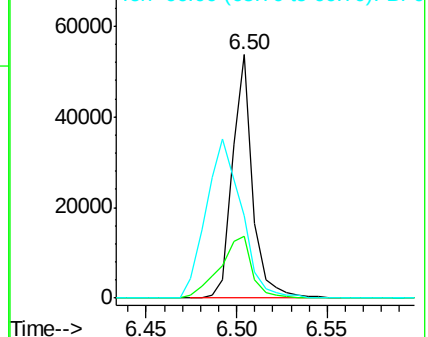
66 33.8 16.2 56.2

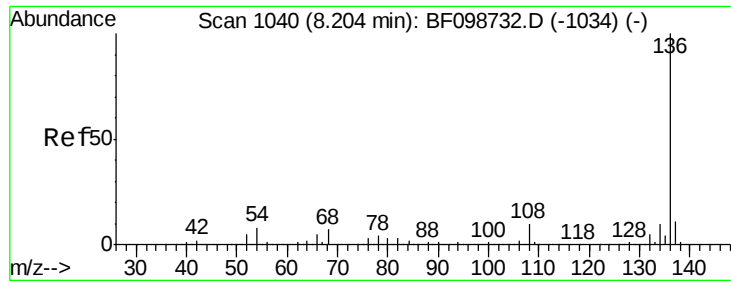


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

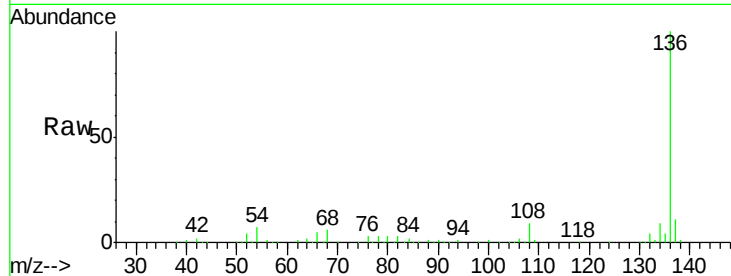




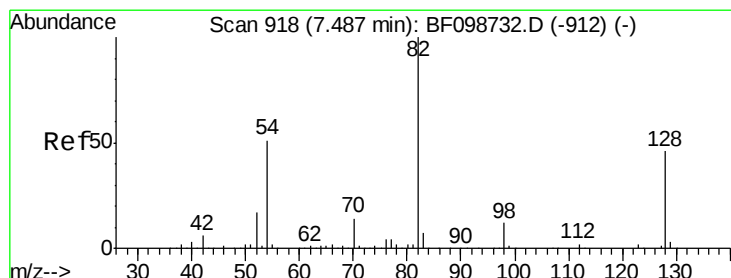
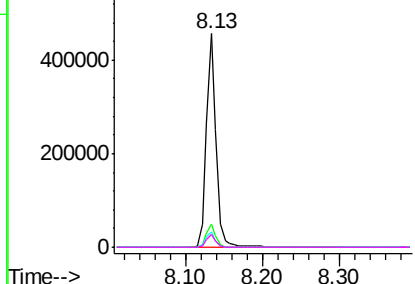
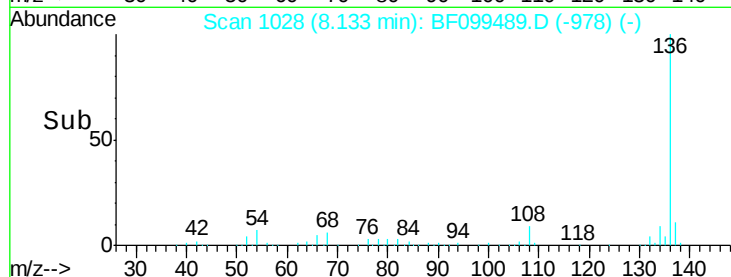
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.13 min Scan# 1028  
Delta R.T. -0.01 min  
Lab File: BF099489.D  
Acq: 14 Oct 2017 21:02

Instrument :  
BNA\_F  
ClientSampleId :  
CLEANSAND-12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 398019 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.9   | 13.3   |
| 54       | 7.3   | 6.6   | 9.8    |
| 68       | 6.0   | 5.0   | 7.4    |

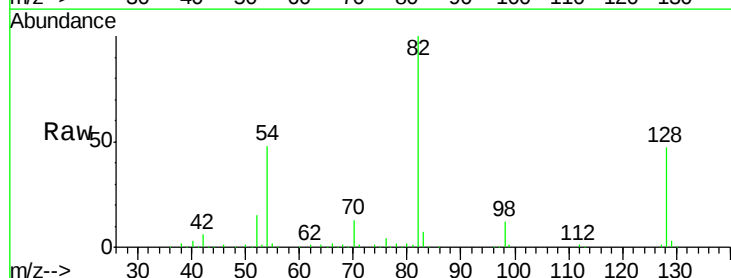


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

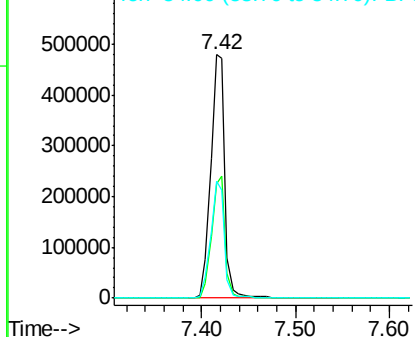
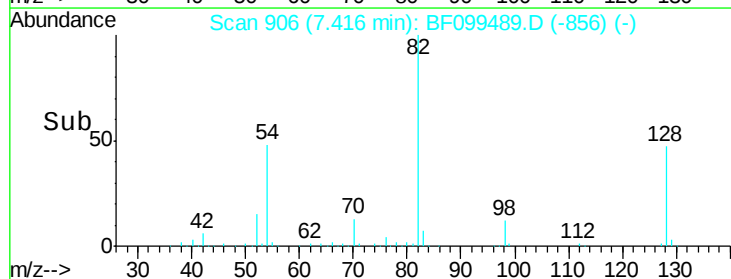


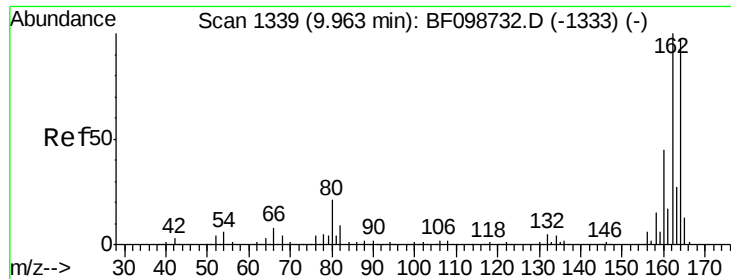
#23  
Nitrobenzene-d5  
Concen: 82.04 ng  
RT: 7.42 min Scan# 906  
Delta R.T. -0.01 min  
Lab File: BF099489.D  
Acq: 14 Oct 2017 21:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 509188 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 46.9  | 36.1  | 54.1   |
| 54       | 48.1  | 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: 20.00 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF099489.D

Acq: 14 Oct 2017 21:02

Instrument :

BNA\_F

ClientSampleId :

CLEANSAND-12

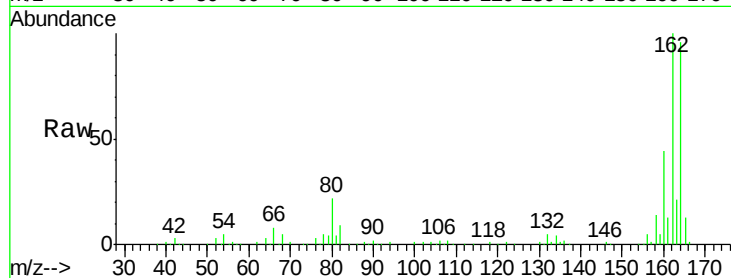
Tgt Ion:164 Resp: 181264

Ion Ratio Lower Upper

164 100

162 103.7 86.1 129.1

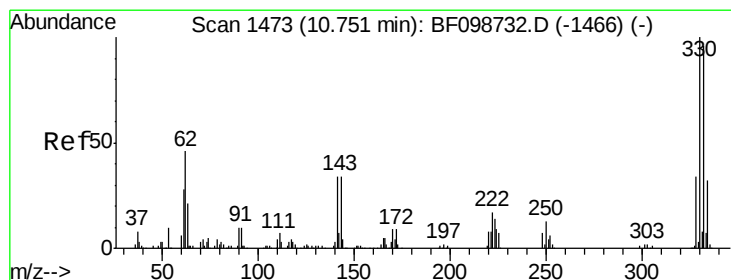
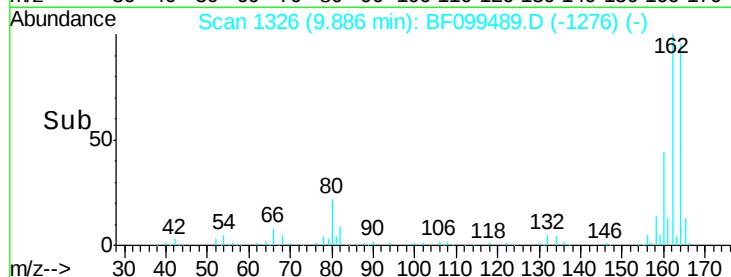
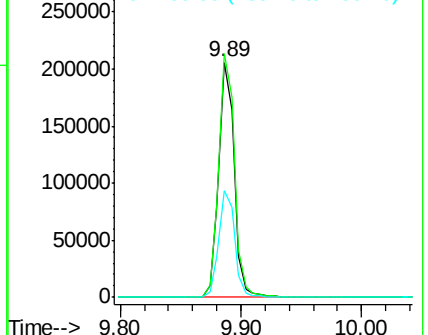
160 45.5 38.3 57.5



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: 107.88 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF099489.D

Acq: 14 Oct 2017 21:02

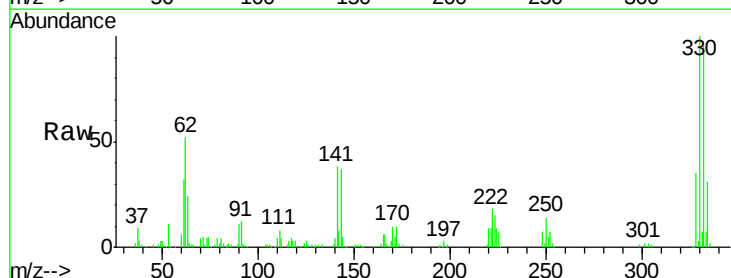
Tgt Ion:330 Resp: 160014

Ion Ratio Lower Upper

330 100

332 95.2 77.0 115.6

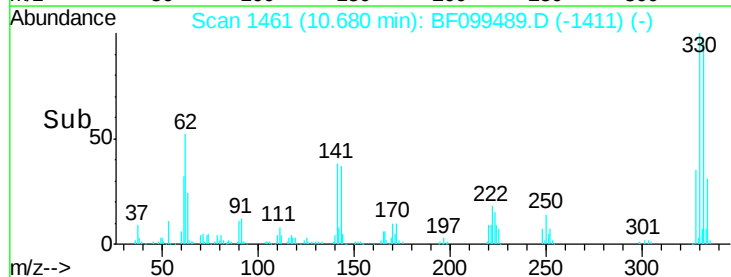
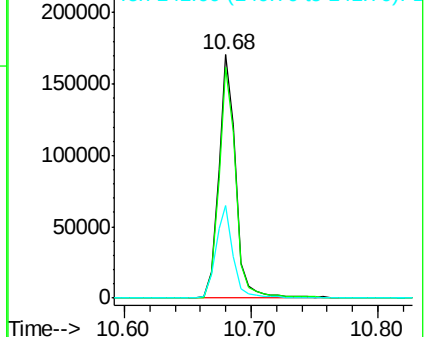
141 39.1 29.9 44.9

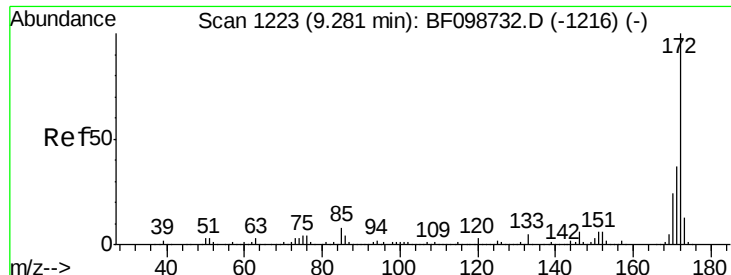


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

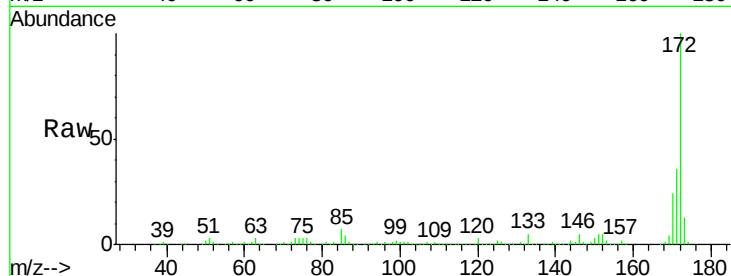




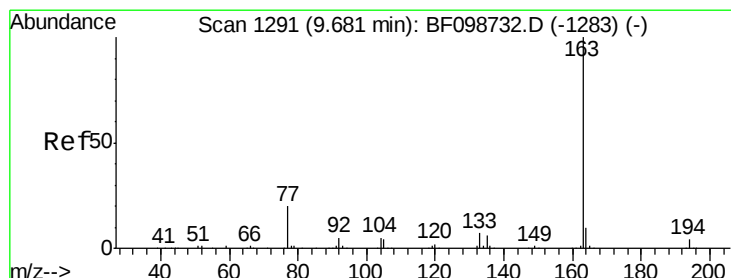
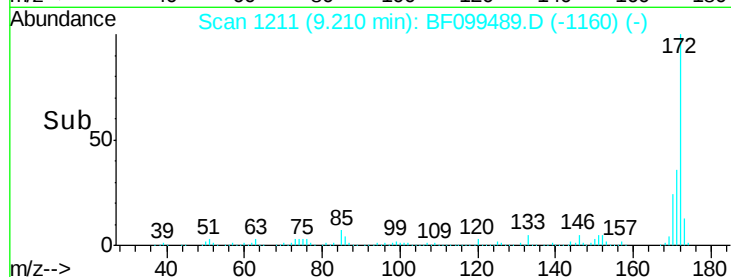
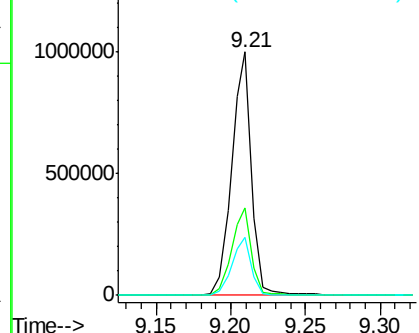
#44  
 2-Fluorobiphenyl  
 Concen: 86.52 ng  
 RT: 9.21 min Scan# 1211  
 Delta R.T. 0.00 min  
 Lab File: BF099489.D  
 Acq: 14 Oct 2017 21:02

Instrument :  
 BNA\_F  
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 CLEANSAND-12

Tgt Ion:172 Resp: 939415  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 29.7 44.5  
 170 23.7 19.6 29.4

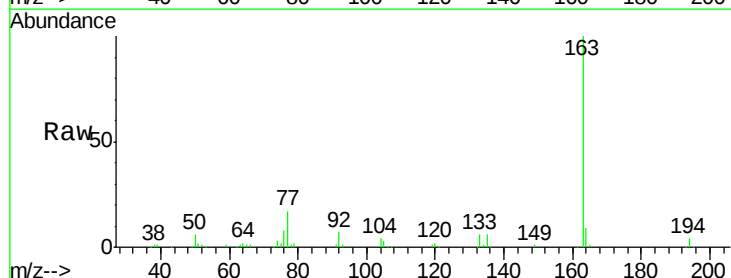


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

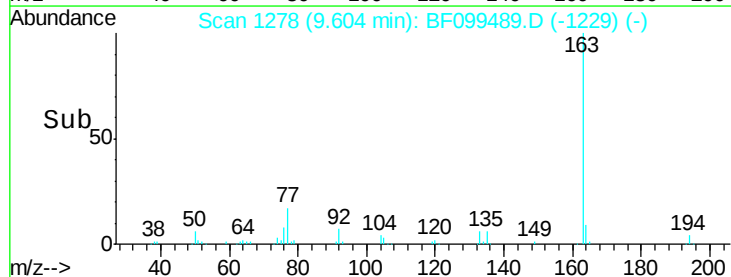
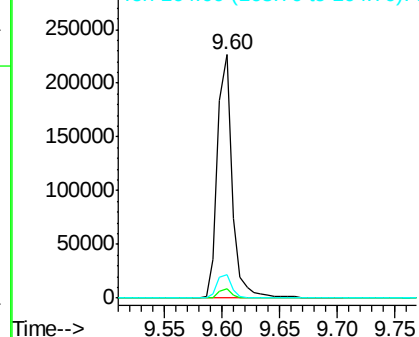


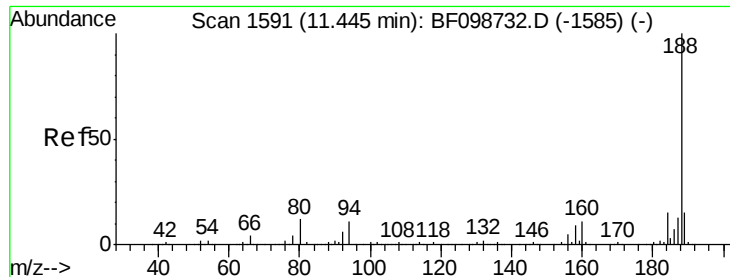
#49  
 Dimethylphthalate  
 Concen: 14.79 ng  
 RT: 9.60 min Scan# 1278  
 Delta R.T. -0.01 min  
 Lab File: BF099489.D  
 Acq: 14 Oct 2017 21:02

Tgt Ion:163 Resp: 202349  
 Ion Ratio Lower Upper  
 163 100  
 194 3.7 2.7 4.1  
 164 9.5 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

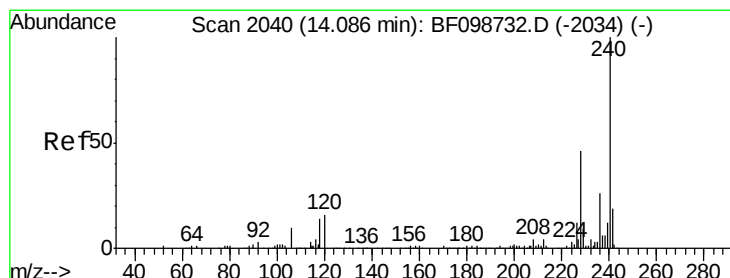
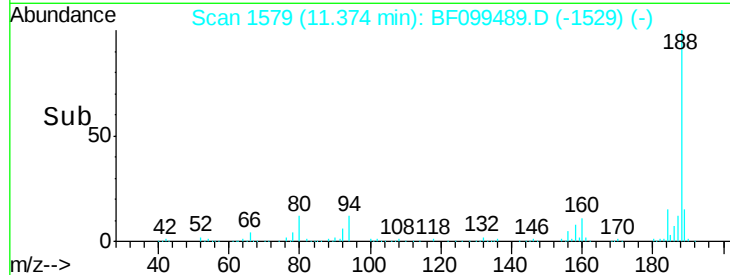
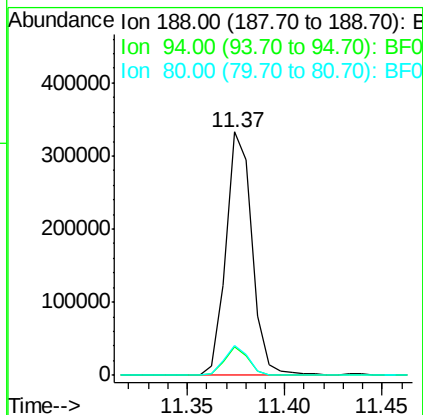
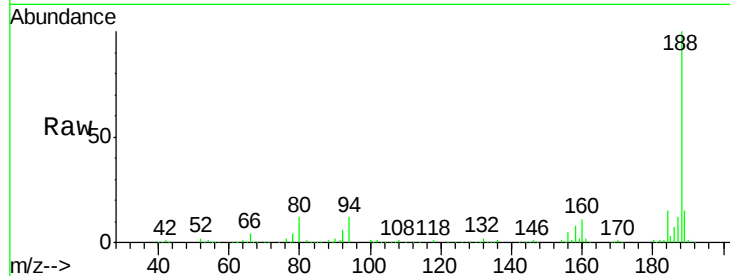




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.37 min Scan# 1579  
Delta R.T. -0.01 min  
Lab File: BF099489.D  
Acq: 14 Oct 2017 21:02

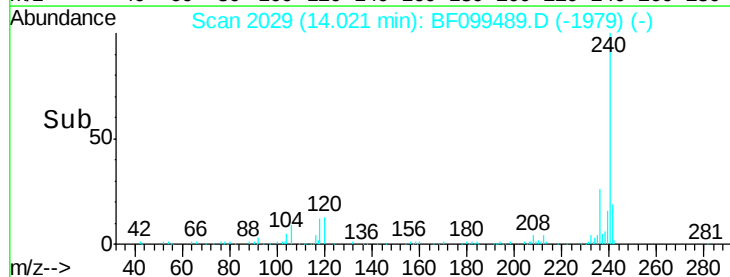
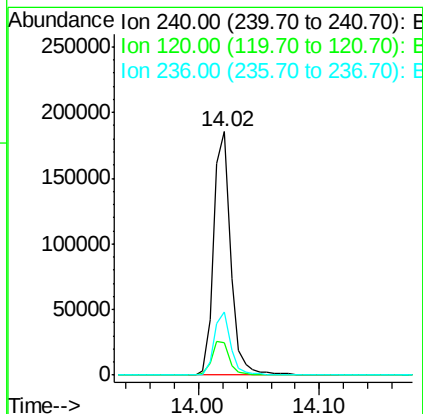
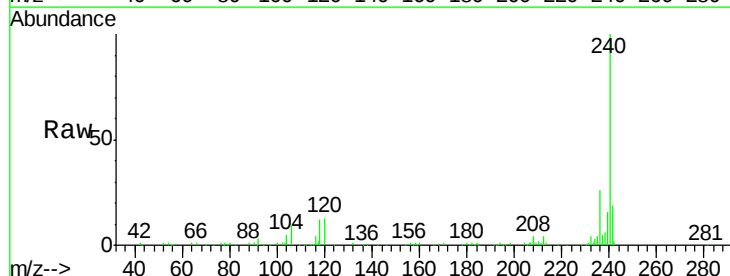
Instrument :  
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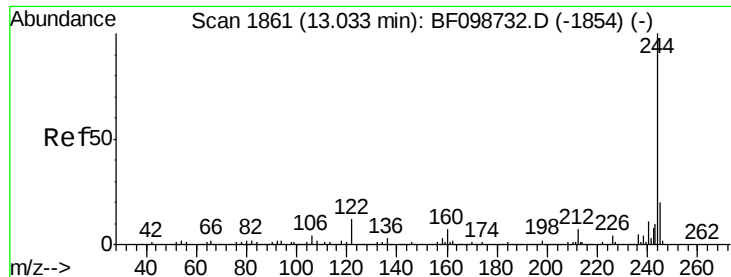
Tgt Ion:188 Resp: 309220  
Ion Ratio Lower Upper  
188 100  
94 11.8 8.5 12.7  
80 12.3 9.2 13.8



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.02 min Scan# 2029  
Delta R.T. -0.01 min  
Lab File: BF099489.D  
Acq: 14 Oct 2017 21:02

Tgt Ion:240 Resp: 179026  
Ion Ratio Lower Upper  
240 100  
120 13.4 9.5 14.3  
236 25.8 20.7 31.1





#78

Terphenyl-d14

Concen: 92.79 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.00 min

Lab File: BF099489.D

Acq: 14 Oct 2017 21:02

Instrument :

BNA\_F

ClientSampleId :

CLEANSAND-12

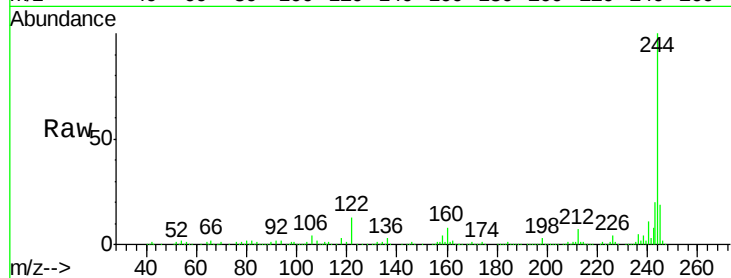
Tgt Ion:244 Resp: 730471

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

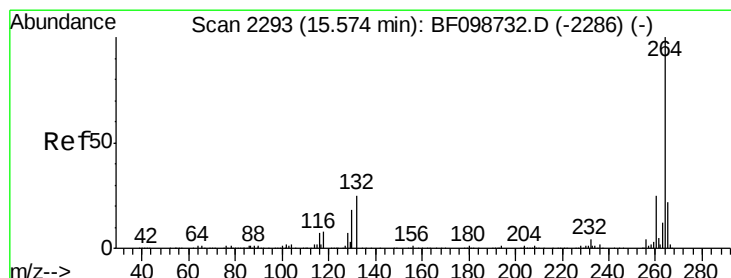
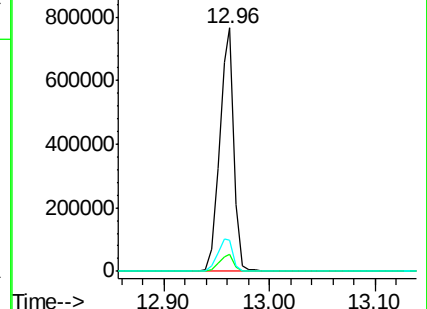
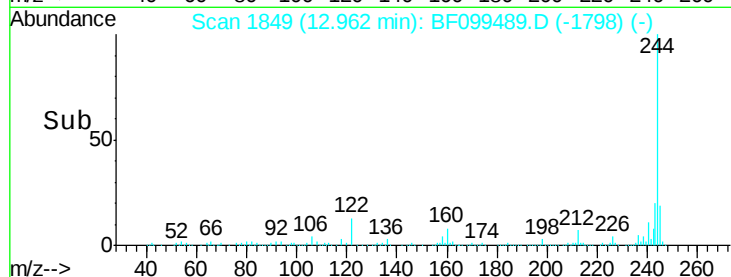
122 12.7 11.0 16.4



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: 20.00 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.00 min

Lab File: BF099489.D

Acq: 14 Oct 2017 21:02

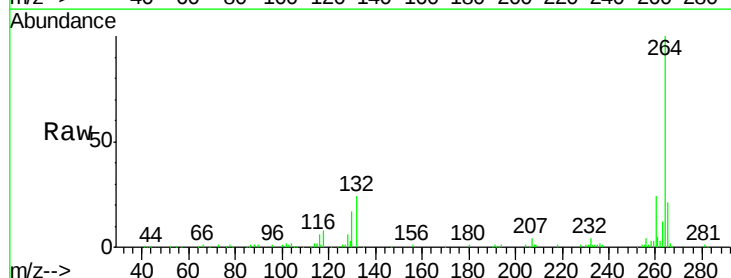
Tgt Ion:264 Resp: 147223

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.0 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

