

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\  
 Data File : BF095095.D  
 Acq On : 11 May 2017 23:21  
 Operator : SJ/MA  
 Sample : I3084-01  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-PS-01-001

Quant Time: May 12 04:25:04 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 03 17:24:51 2017  
 Response via : Initial Calibration

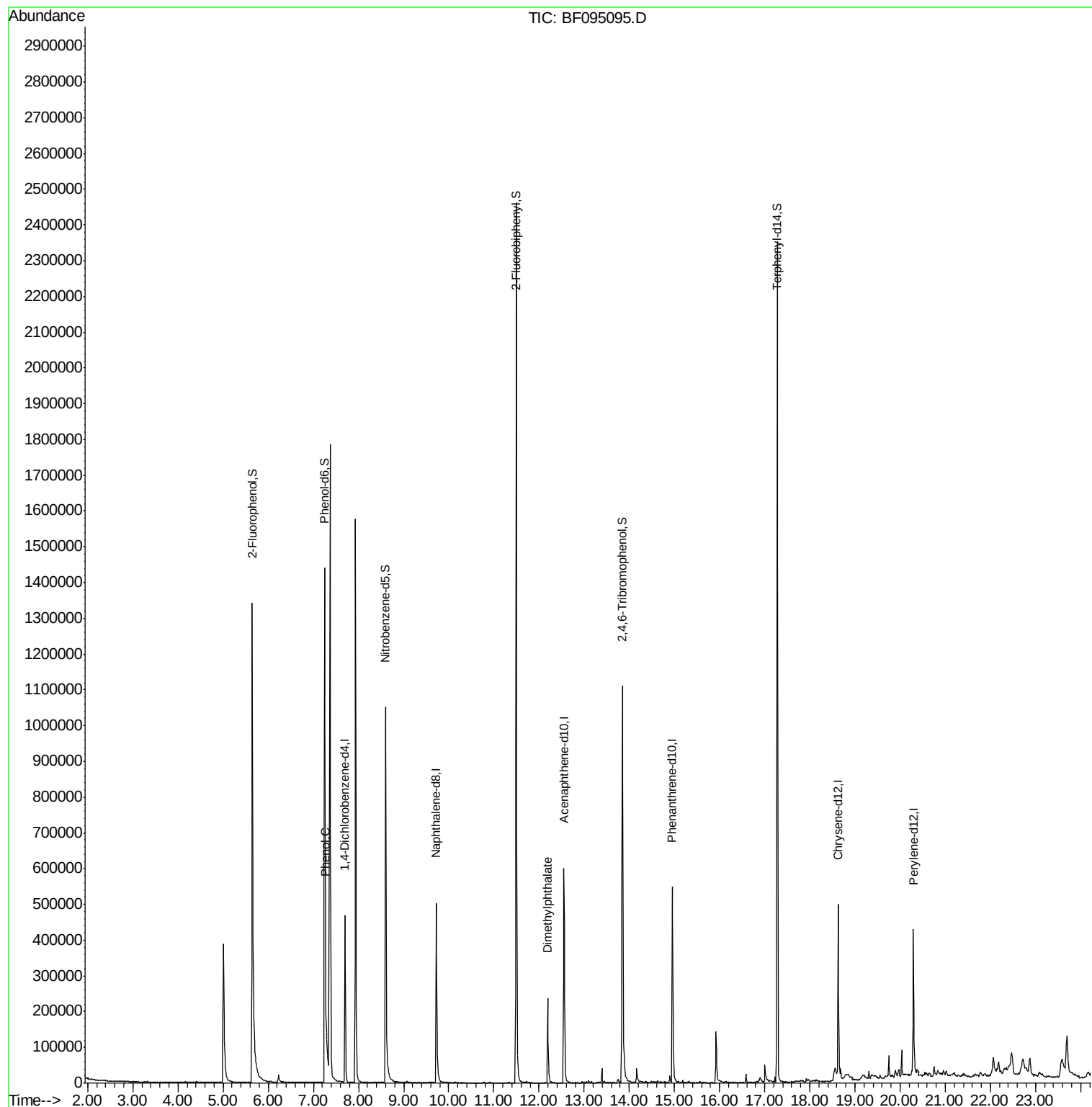
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.70  | 152  | 96034    | 20.00  | ng    | -0.03       |
| 21) Naphthalene-d8          | 9.72  | 136  | 413367   | 20.00  | ng    | -0.03       |
| 38) Acenaphthene-d10        | 12.55 | 164  | 190892   | 20.00  | ng    | -0.03       |
| 63) Phenanthrene-d10        | 14.95 | 188  | 335656   | 20.00  | ng    | -0.03       |
| 75) Chrysene-d12            | 18.62 | 240  | 238236   | 20.00  | ng    | -0.03       |
| 86) Perylene-d12            | 20.29 | 264  | 194049   | 20.00  | ng    | -0.02       |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.65  | 112  | 741618   | 128.75 | ng    | -0.03       |
| 7) Phenol-d6                | 7.25  | 99   | 911414   | 131.87 | ng    | -0.03       |
| 23) Nitrobenzene-d5         | 8.60  | 82   | 550042   | 83.91  | ng    | -0.04       |
| 41) 2,4,6-Tribromophenol    | 13.85 | 330  | 205251   | 131.29 | ng    | -0.04       |
| 44) 2-Fluorobiphenyl        | 11.50 | 172  | 1112619  | 83.89  | ng    | -0.04       |
| 78) Terphenyl-d14           | 17.28 | 244  | 915762   | 84.66  | ng    | -0.03       |
| Target Compounds            |       |      |          |        |       |             |
| 10) Phenol                  | 7.27  | 94   | 14673    | 2.01   | ng    | Qvalue # 50 |
| 49) Dimethylphthalate       | 12.19 | 163  | 170243   | 10.86  | ng    | 99          |

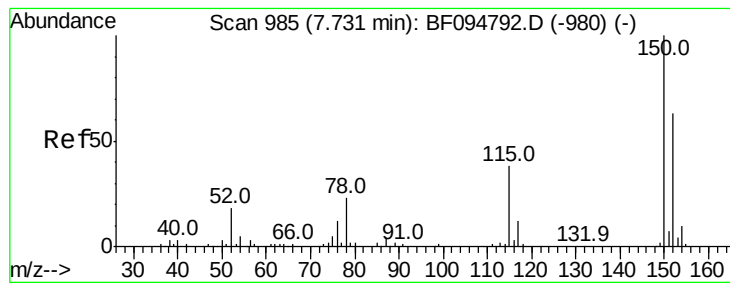
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.70 min Scan# 980

Delta R.T. -0.03 min

Lab File: BF095095.D

Acq: 11 May 2017 23:21

Instrument :

BNA\_F

ClientSampleId :

FK-PS-01-001

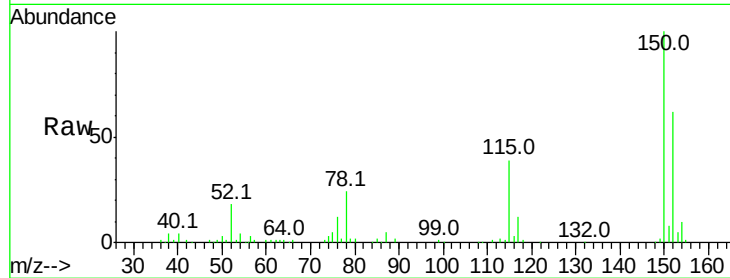
Tot Ion:152 Resp: 96034

Ion Ratio Lower Upper

152 100

150 160.8 126.2 189.2

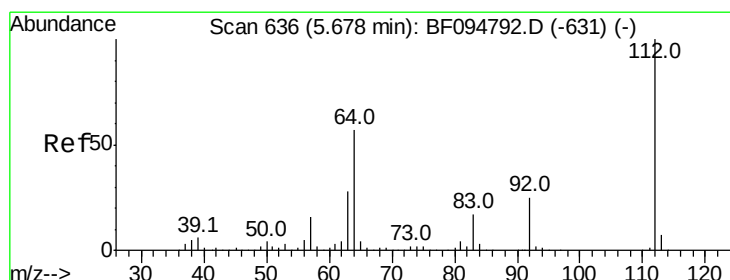
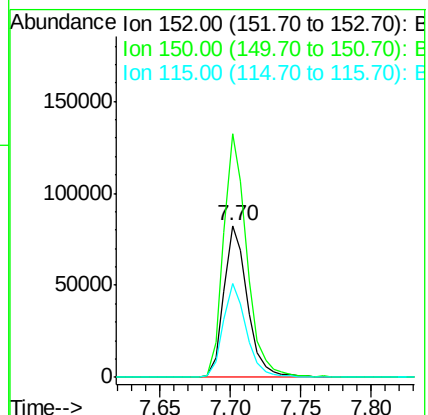
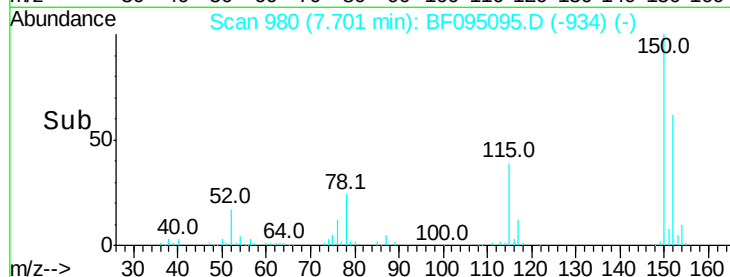
115 62.1 52.2 78.2



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: 128.75 ng

RT: 5.65 min Scan# 631

Delta R.T. -0.03 min

Lab File: BF095095.D

Acq: 11 May 2017 23:21

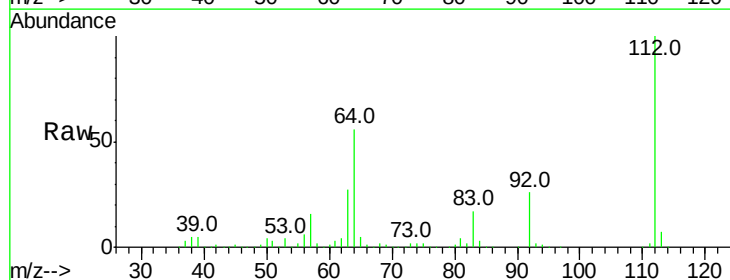
Tgt Ion:112 Resp: 741618

Ion Ratio Lower Upper

112 100

64 55.6 46.0 69.0

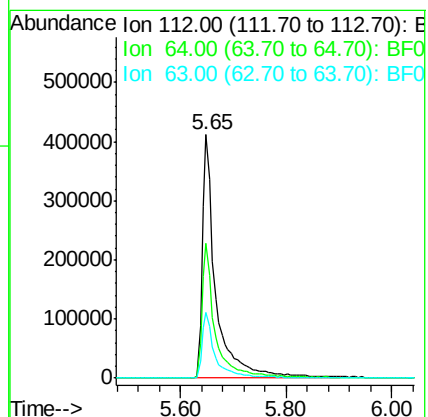
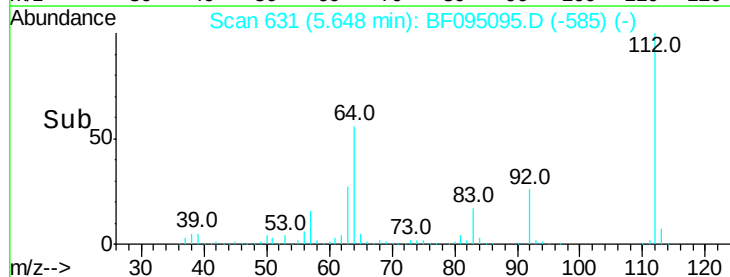
63 27.2 23.4 35.0

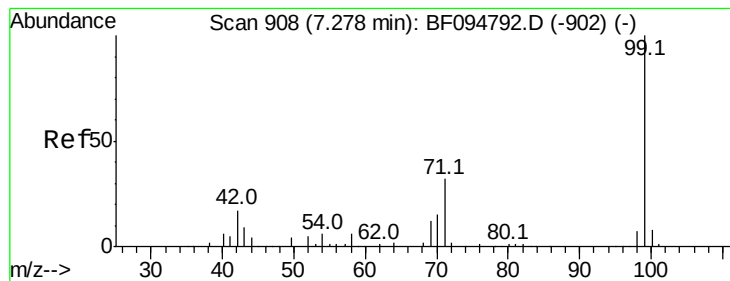


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 131.87 ng

RT: 7.25 min Scan# 903

Delta R.T. -0.03 min

Lab File: BF095095.D

Acq: 11 May 2017 23:21

Instrument :

BNA\_F

ClientSampleId :

FK-PS-01-001

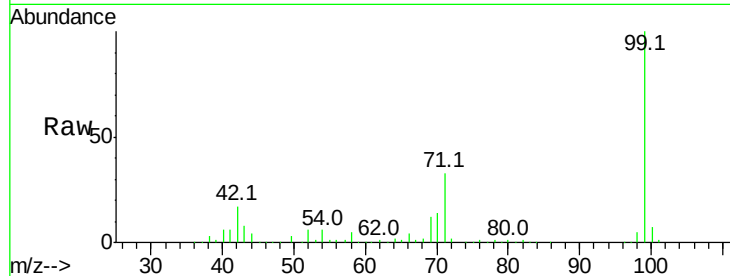
Tot Ion: 99 Resp: 911414

Ion Ratio Lower Upper

99 100

42 16.5 13.5 20.3

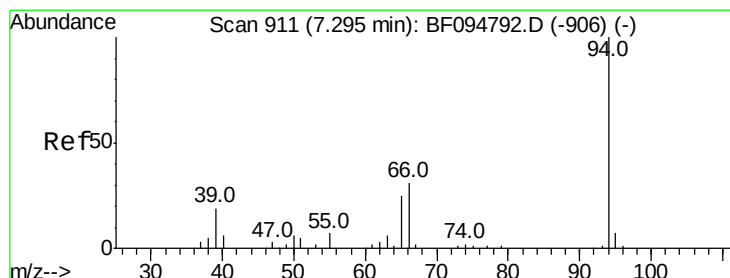
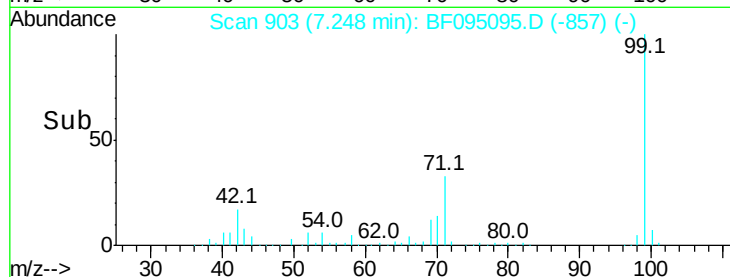
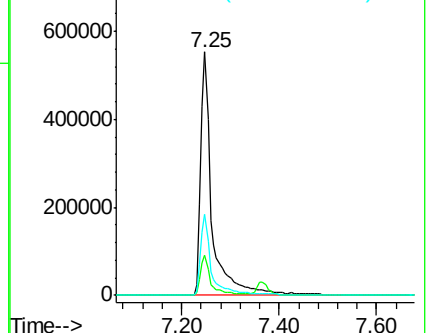
71 33.1 24.5 36.7



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: 2.01 ng

RT: 7.27 min Scan# 906

Delta R.T. -0.03 min

Lab File: BF095095.D

Acq: 11 May 2017 23:21

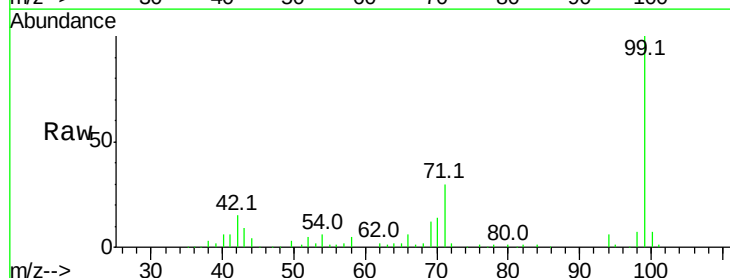
Tgt Ion: 94 Resp: 14673

Ion Ratio Lower Upper

94 100

65 33.6 9.9 49.9

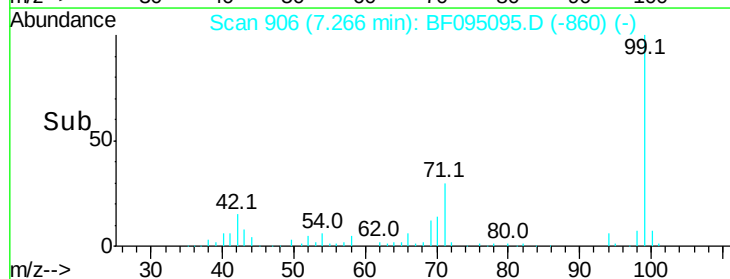
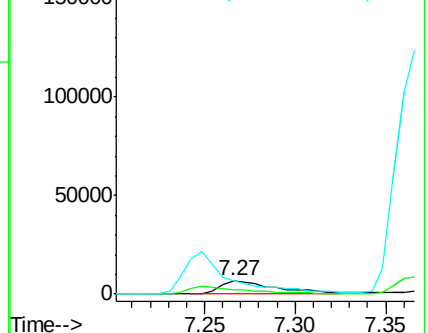
66 94.1 23.1 63.1#

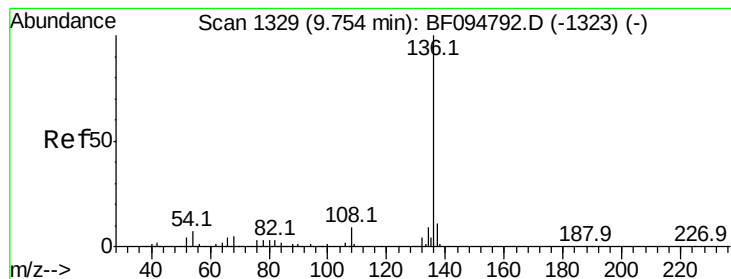


Abundance Ion 94.00 (93.70 to 94.70): BF0

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: 9.72 min Scan# 1324

Delta R.T. -0.03 min

Lab File: BF095095.D

Acq: 11 May 2017 23:21

Instrument :

BNA\_F

ClientSampleId :

FK-PS-01-001

Tot Ion:136 Resp: 413367

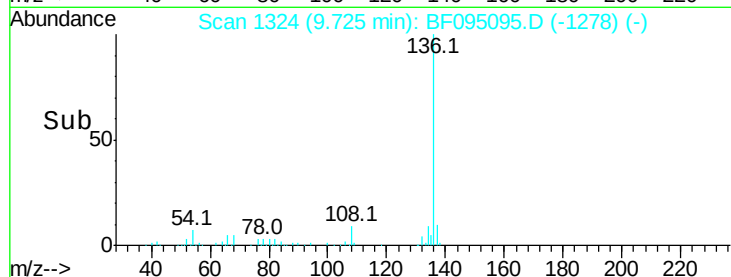
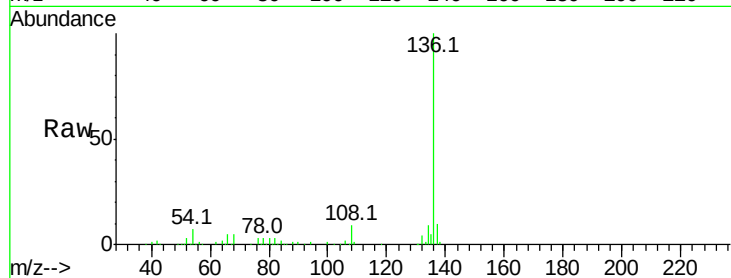
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.7 4.9 7.3

68 5.3 4.1 6.1

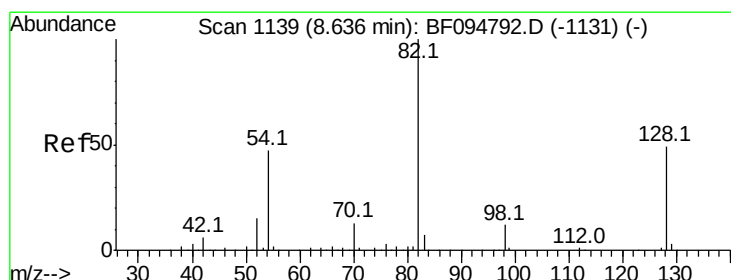
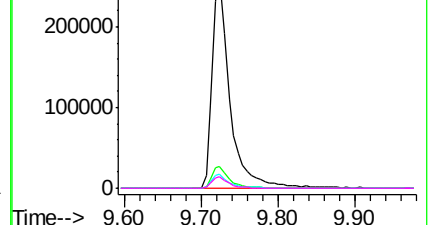


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.91 ng

RT: 8.60 min Scan# 1133

Delta R.T. -0.04 min

Lab File: BF095095.D

Acq: 11 May 2017 23:21

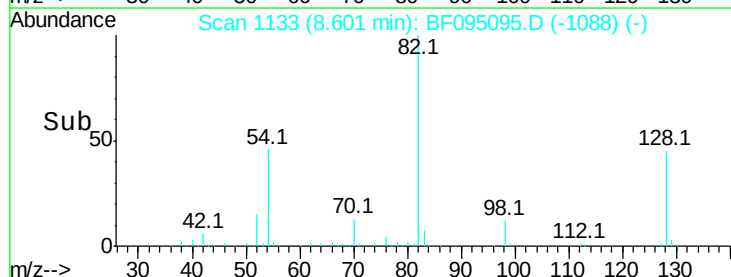
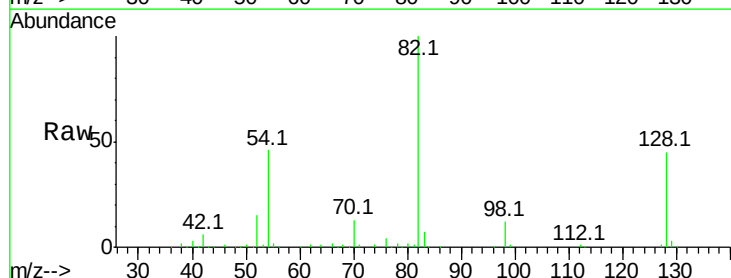
Tgt Ion: 82 Resp: 550042

Ion Ratio Lower Upper

82 100

128 45.3 34.0 51.0

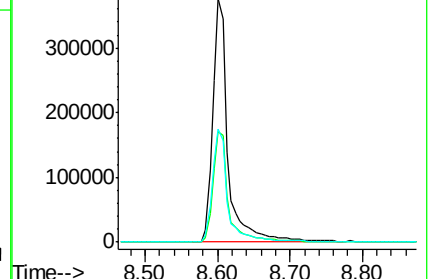
54 46.2 42.2 63.2

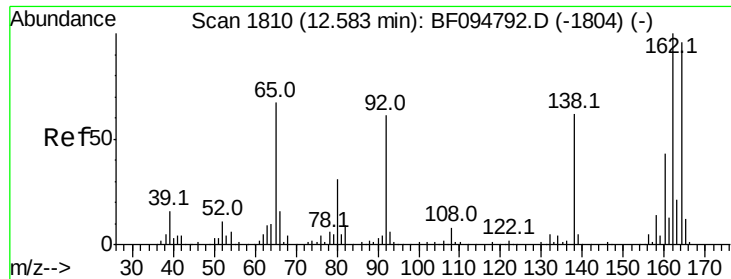


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.55 min Scan# 1805

Delta R.T. -0.03 min

Lab File: BF095095.D

Acq: 11 May 2017 23:21

Instrument :

BNA\_F

ClientSampleId :

FK-PS-01-001

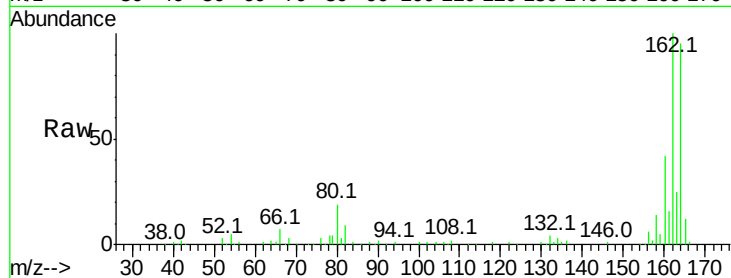
Tot Ion:164 Resp: 190892

Ion Ratio Lower Upper

164 100

162 105.1 82.6 123.8

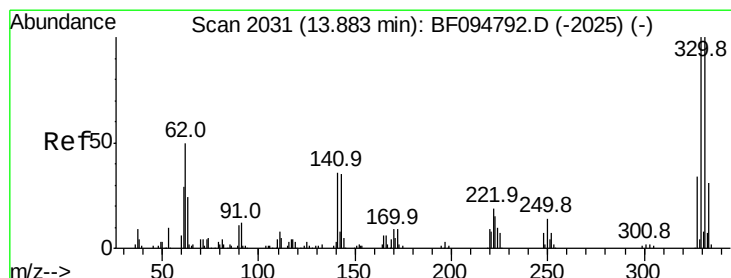
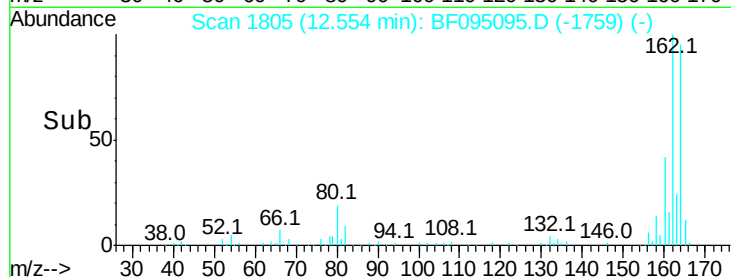
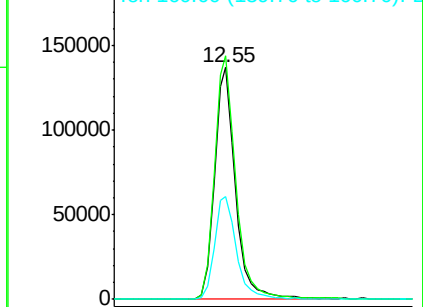
160 44.5 36.2 54.2



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: 131.29 ng

RT: 13.85 min Scan# 2025

Delta R.T. -0.04 min

Lab File: BF095095.D

Acq: 11 May 2017 23:21

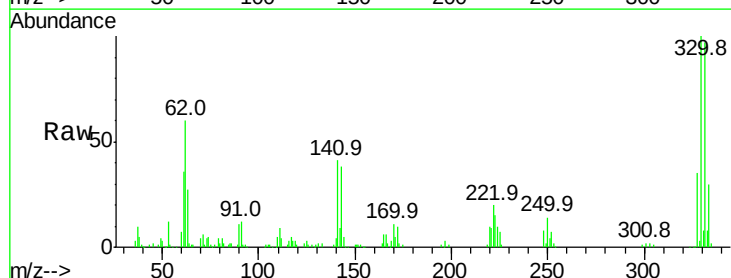
Tgt Ion:330 Resp: 205251

Ion Ratio Lower Upper

330 100

332 96.4 76.6 115.0

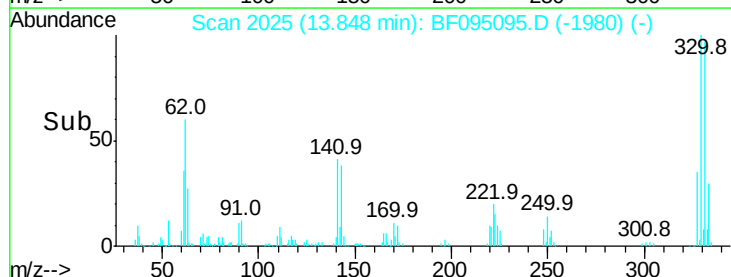
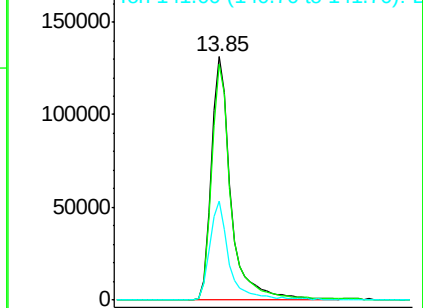
141 40.4 31.4 47.2

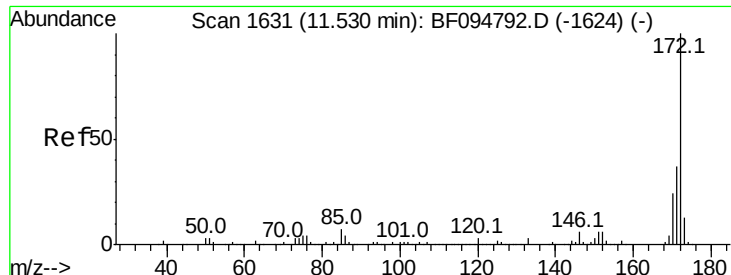


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

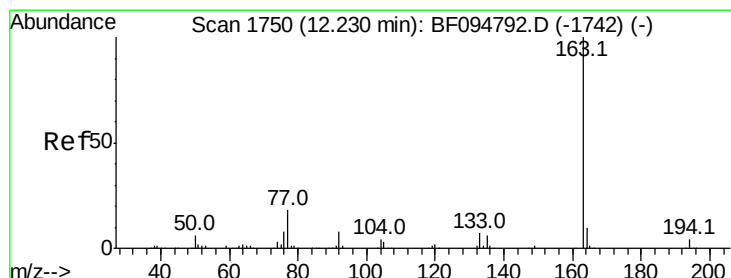
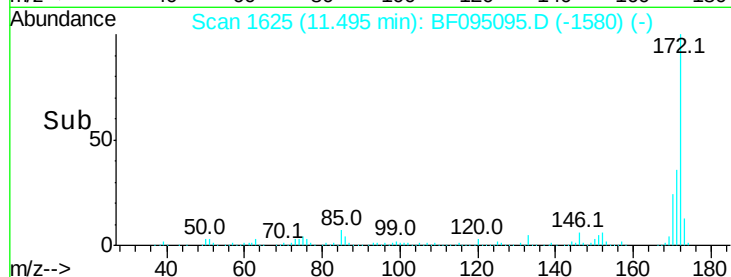
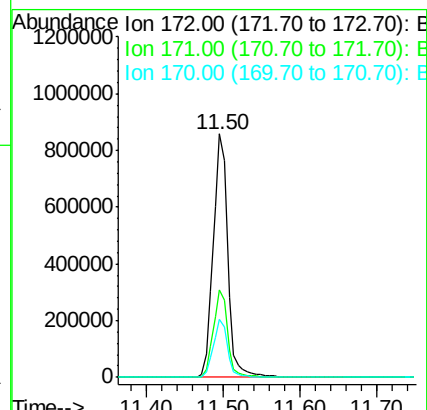
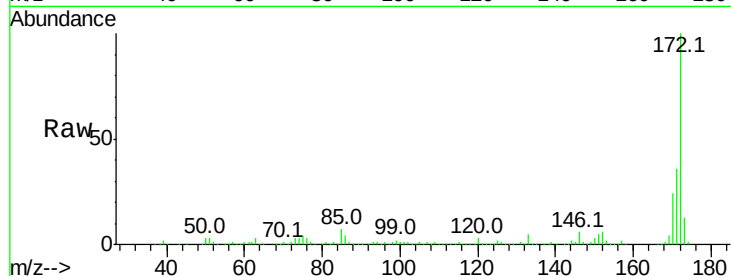




#44  
2-Fluorobiphenyl  
Concen: 83.89 ng  
RT: 11.50 min Scan# 1625  
Delta R.T. -0.04 min  
Lab File: BF095095.D  
Acq: 11 May 2017 23:21

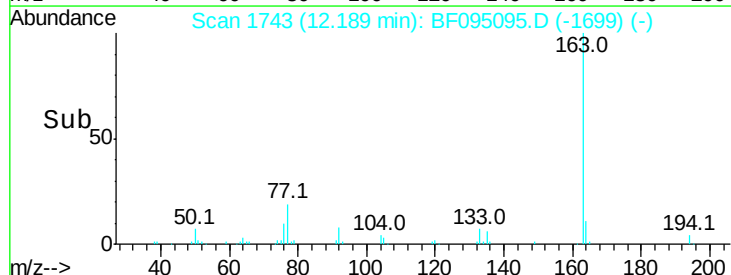
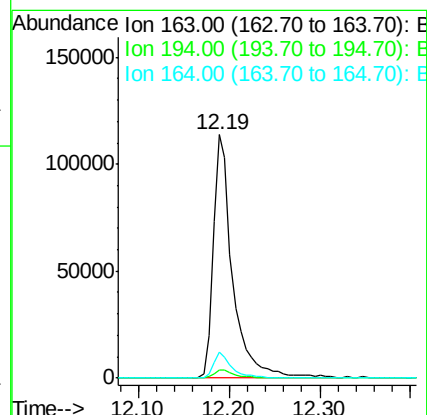
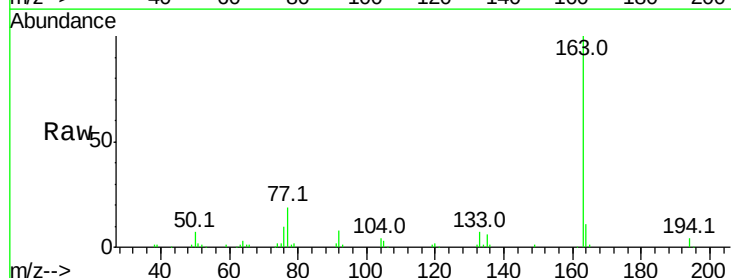
Instrument :  
BNA\_F  
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FK-PS-01-001

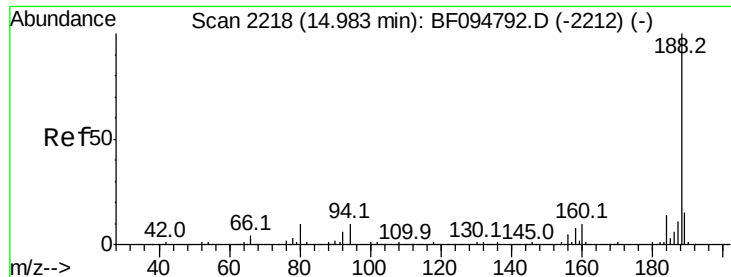
Tot Ion:172 Resp: 1112619  
Ion Ratio Lower Upper  
172 100  
171 35.7 29.6 44.4  
170 23.8 19.8 29.8



#49  
Dimethylphthalate  
Concen: 10.86 ng  
RT: 12.19 min Scan# 1743  
Delta R.T. -0.04 min  
Lab File: BF095095.D  
Acq: 11 May 2017 23:21

Tgt Ion:163 Resp: 170243  
Ion Ratio Lower Upper  
163 100  
194 3.5 2.6 4.0  
164 10.9 8.4 12.6

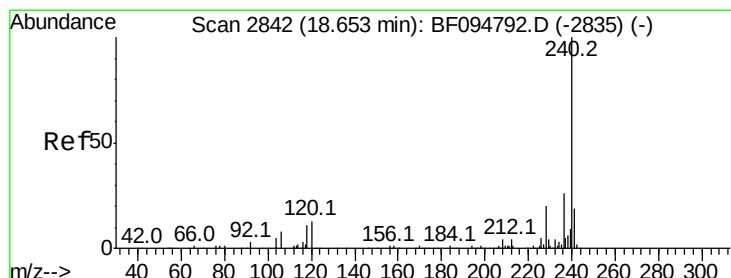
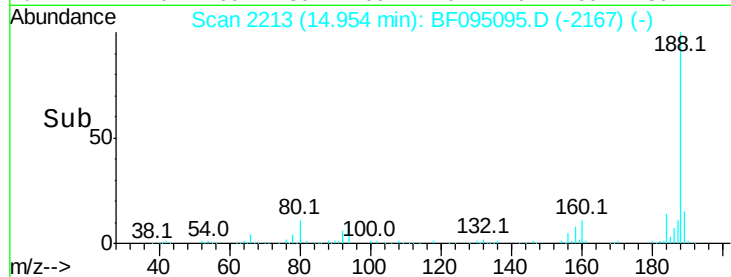
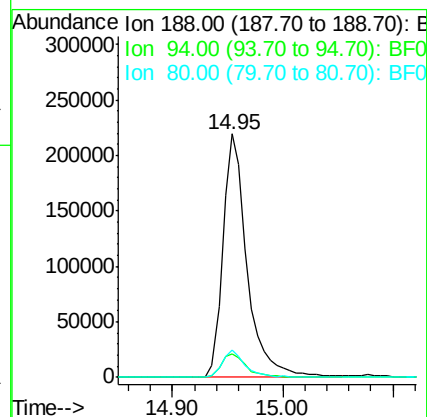
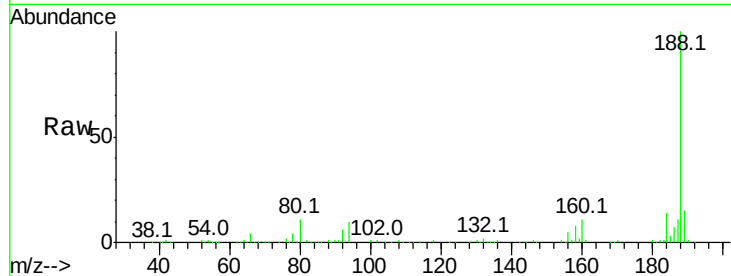




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 14.95 min Scan# 2213  
Delta R.T. -0.03 min  
Lab File: BF095095.D  
Acq: 11 May 2017 23:21

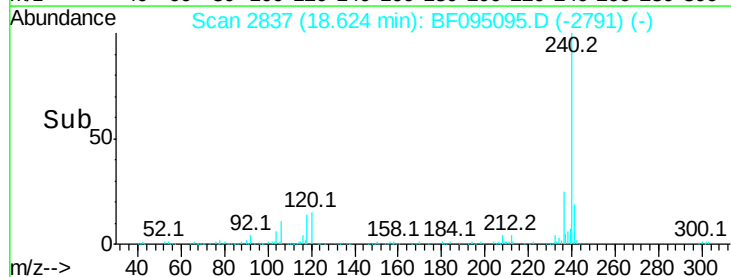
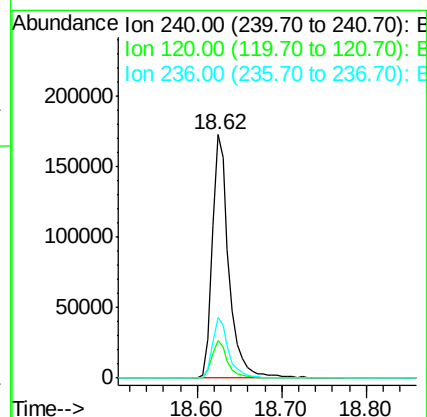
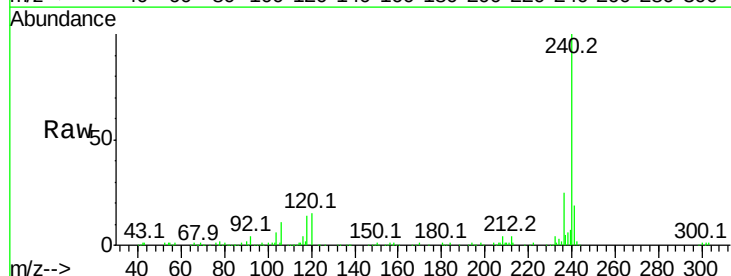
Instrument :  
BNA\_F  
ClientSampleId :  
FK-PS-01-001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.8   | 9.4   | 14.2  |
| 80      | 11.1  | 10.2  | 15.2  |

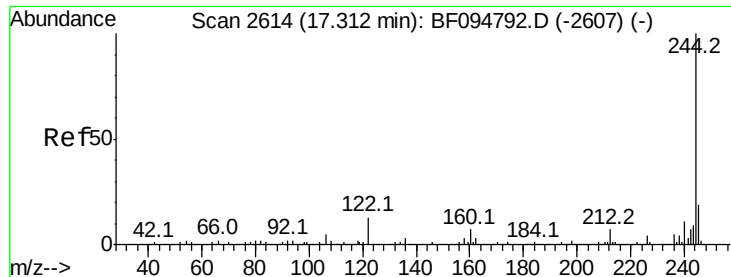


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 18.62 min Scan# 2837  
Delta R.T. -0.03 min  
Lab File: BF095095.D  
Acq: 11 May 2017 23:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 15.2  | 5.8   | 8.8#  |
| 236     | 25.1  | 20.5  | 30.7  |







#78

Terphenyl-d14

Concen: 84.66 ng

RT: 17.28 min Scan# 2609

Delta R.T. -0.03 min

Lab File: BF095095.D

Acq: 11 May 2017 23:21

Instrument :

BNA\_F

ClientSampleId :

FK-PS-01-001

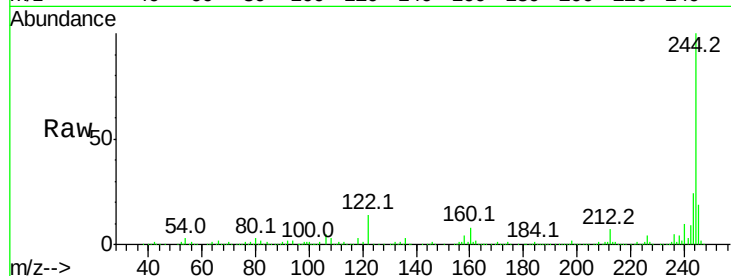
Tot Ion:244 Resp: 915762

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

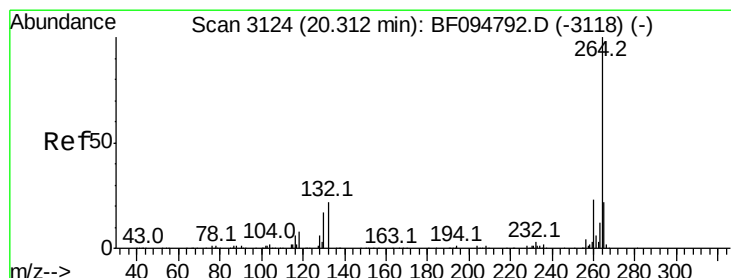
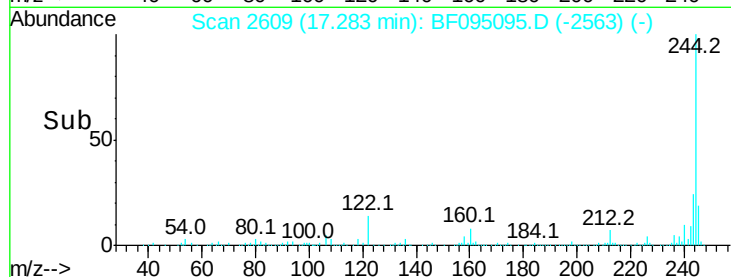
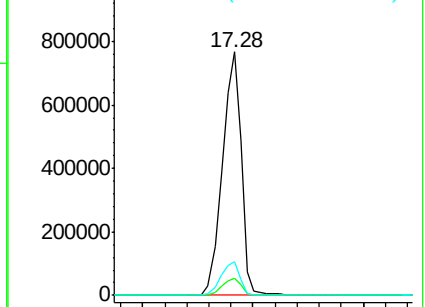
122 13.7 10.3 15.5



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: 20.29 min Scan# 3121

Delta R.T. -0.02 min

Lab File: BF095095.D

Acq: 11 May 2017 23:21

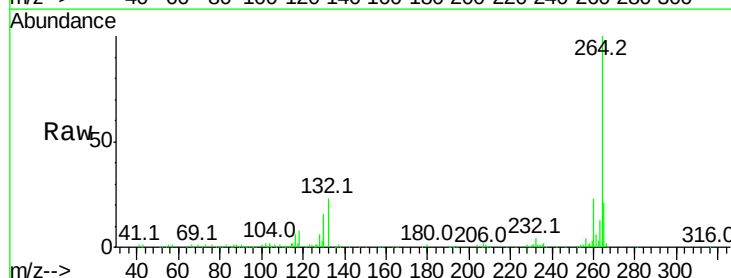
Tgt Ion:264 Resp: 194049

Ion Ratio Lower Upper

264 100

260 23.2 19.5 29.3

265 21.2 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

