

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061317\  
 Data File : BF095901.D  
 Acq On : 13 Jun 2017 19:07  
 Operator : SJ/MA  
 Sample : I3642-03  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-CONCRETE-BATCH-13

Quant Time: Jun 14 04:48:35 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

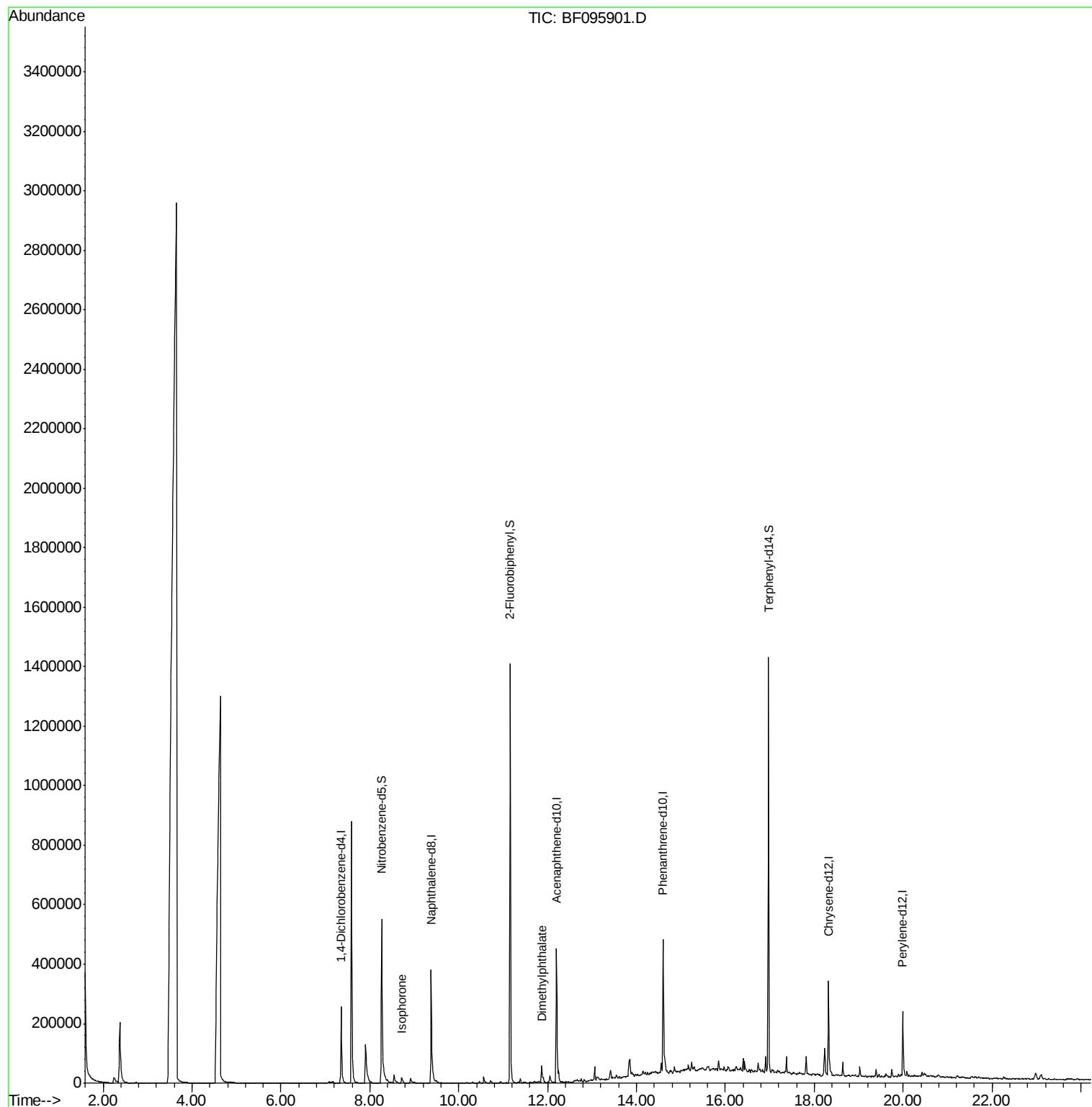
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.35  | 152  | 72102    | 20.00 | ng    | -0.05    |
| 21) Naphthalene-d8          | 9.38  | 136  | 296021   | 20.00 | ng    | -0.05    |
| 38) Acenaphthene-d10        | 12.20 | 164  | 138512   | 20.00 | ng    | -0.06    |
| 63) Phenanthrene-d10        | 14.60 | 188  | 246472   | 20.00 | ng    | -0.05    |
| 75) Chrysene-d12            | 18.32 | 240  | 157005   | 20.00 | ng    | -0.04    |
| 86) Perylene-d12            | 19.99 | 264  | 125642   | 20.00 | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 0.00  | 112  | 0        | 0.00  | ng    |          |
| 7) Phenol-d6                | 7.08  | 99   | 8558     | 1.58  | ng    | 0.12     |
| 23) Nitrobenzene-d5         | 8.27  | 82   | 329996   | 69.23 | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 0.00  | 330  | 0        | 0.00  | ng    |          |
| 44) 2-Fluorobiphenyl        | 11.16 | 172  | 685631   | 68.88 | ng    | -0.06    |
| 78) Terphenyl-d14           | 16.97 | 244  | 531613   | 84.03 | ng    | -0.04    |
| Target Compounds            |       |      |          |       |       |          |
| 25) Isophorone              | 8.72  | 82   | 20574    | 2.31  | ng    | 97       |
| 49) Dimethylphthalate       | 11.86 | 163  | 48896    | 4.65  | ng    | 98       |

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

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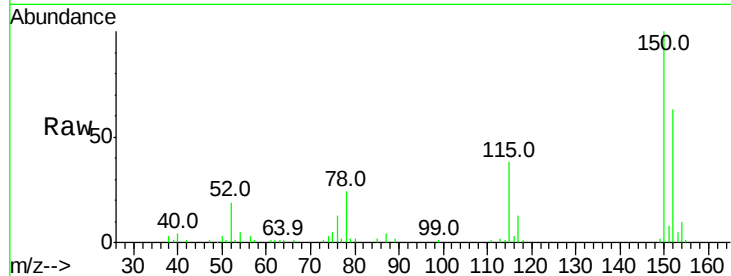


#1

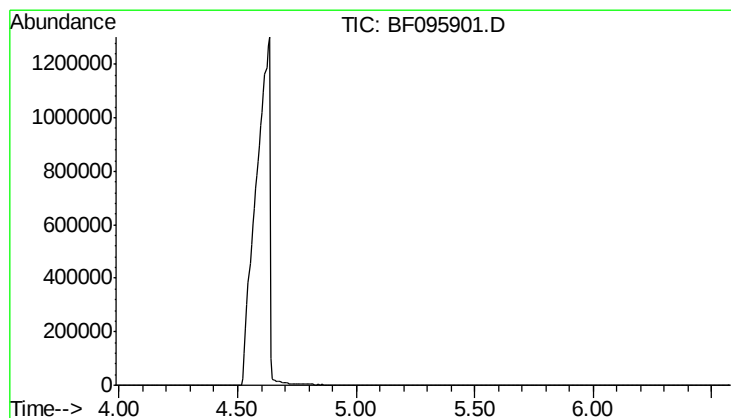
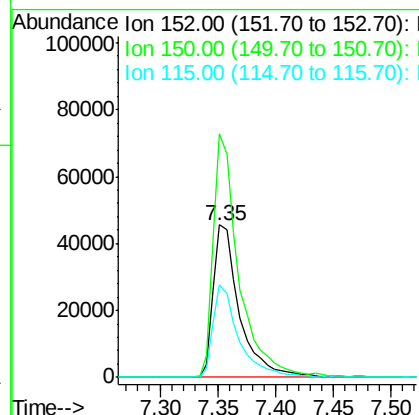
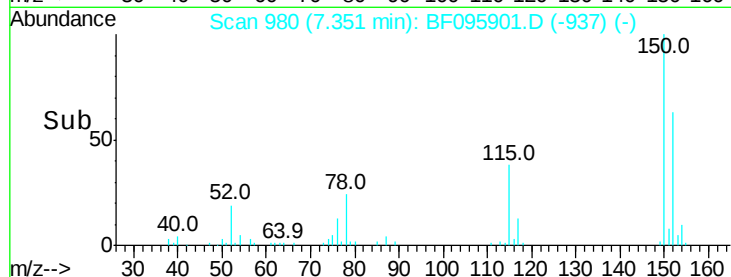
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.35 min Scan# 980  
 Delta R.T. -0.05 min  
 Lab File: BF095901.D  
 Acq: 13 Jun 2017 19:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-CONCRETE-BATCH-13

Tot Ion:152 Resp: 72102  
 Ion Ratio Lower Upper  
 152 100  
 150 159.7 126.2 189.2  
 115 60.3 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

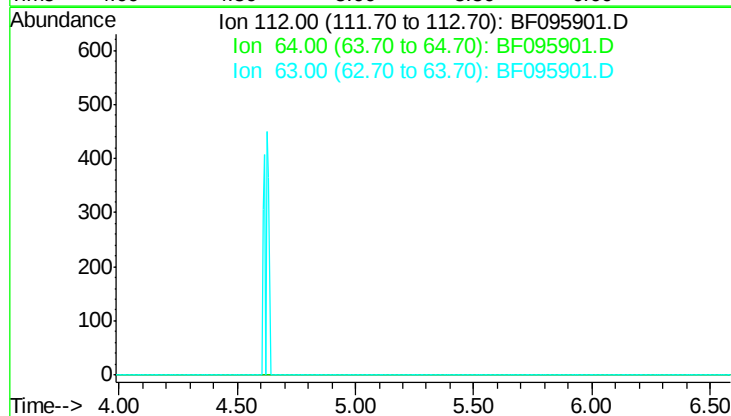


#5

2-Fluorophenol  
 Concen: 0.00 ng  
 Expected RT: 5.29 min

Lab File: BF095901.D  
 Acq: 13 Jun 2017 19:07

Tgt Ion: 112  
 Sig Exp Ratio  
 112 100  
 64 57.5  
 63 29.2





#7

Phenol-d6

Concen: 1.58 ng

RT: 7.08 min Scan# 934

Delta R.T. 0.12 min

Lab File: BF095901.D

Acq: 13 Jun 2017 19:07

Instrument :

BNA\_F

ClientSampleId :

E2-CONCRETE-BATCH-13

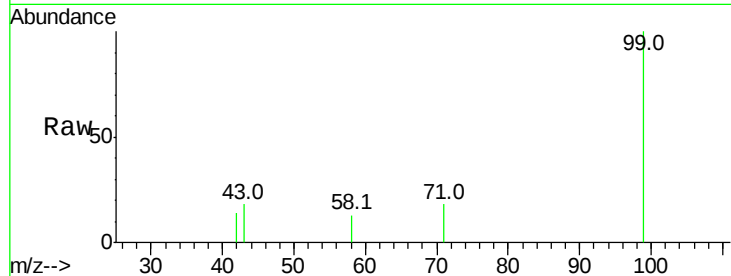
Tot Ion: 99 Resp: 8558

Ion Ratio Lower Upper

99 100

42 14.2 13.5 20.3

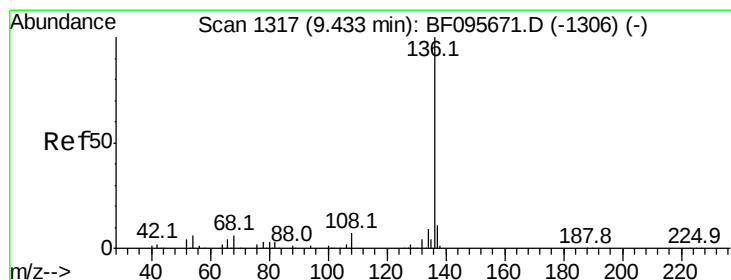
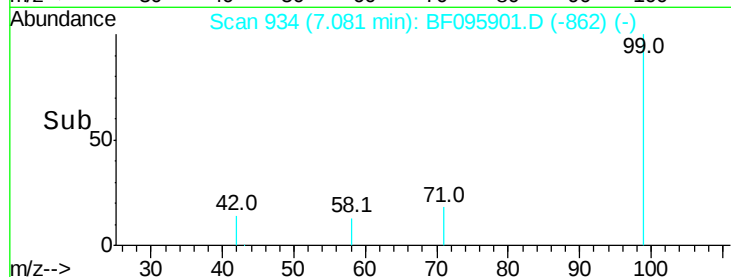
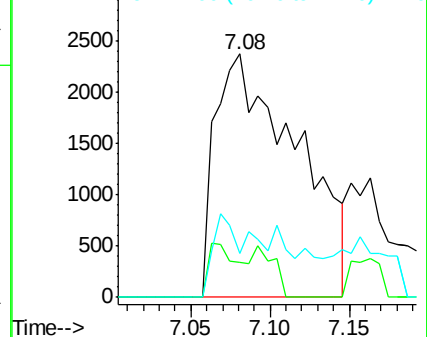
71 18.0 24.5 36.7#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.38 min Scan# 1325

Delta R.T. -0.05 min

Lab File: BF095901.D

Acq: 13 Jun 2017 19:07

Tgt Ion: 136 Resp: 296021

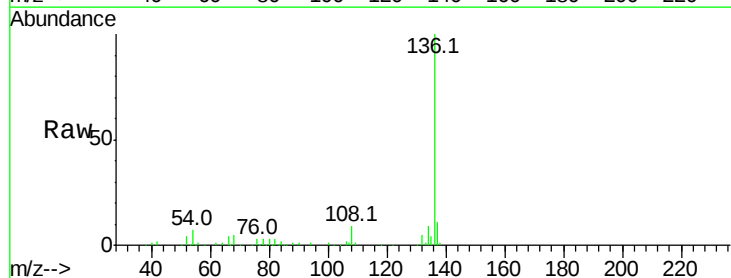
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 7.3 4.9 7.3

68 5.4 4.1 6.1

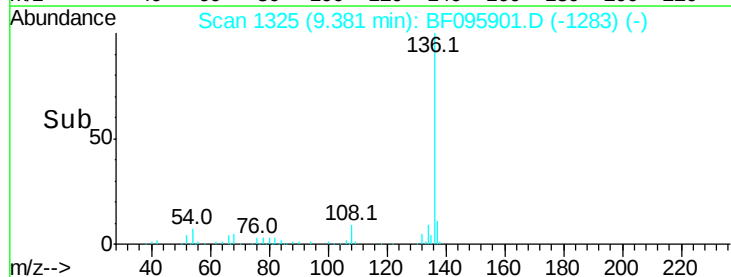
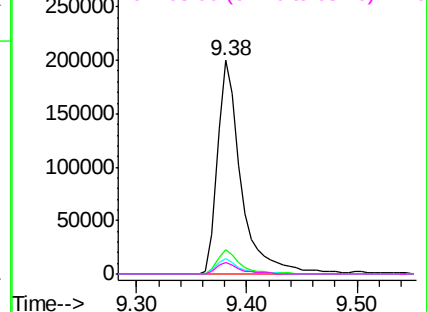


Abundance Ion 136.00 (135.70 to 136.70): E

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

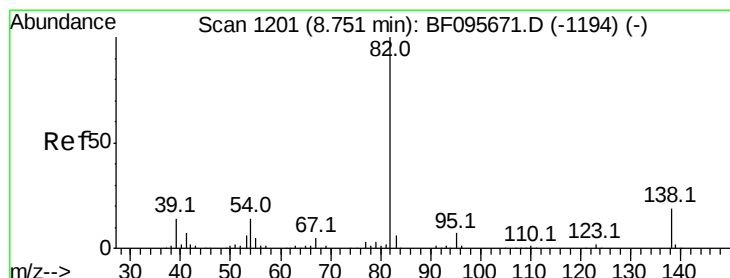
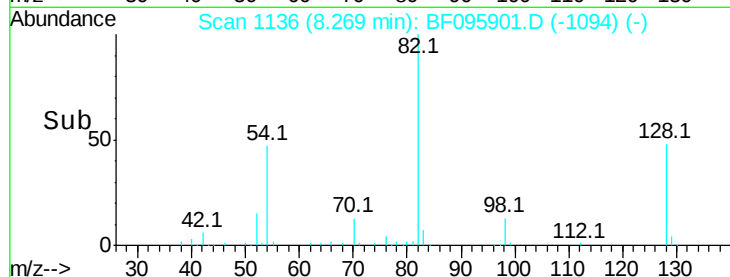
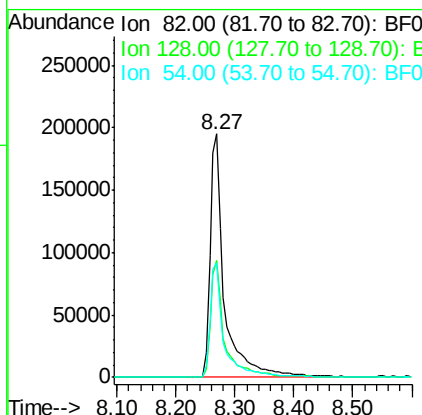
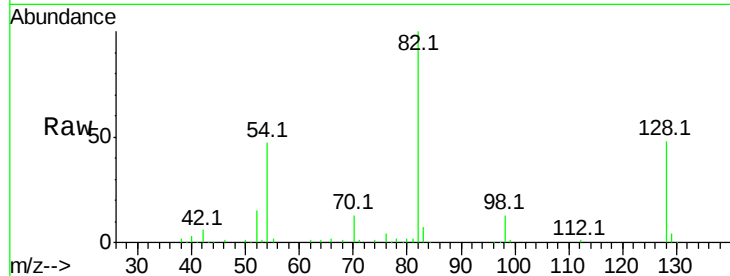




#23  
 Nitrobenzene-d5  
 Concen: 69.23 ng  
 RT: 8.27 min Scan# 1136  
 Delta R.T. -0.05 min  
 Lab File: BF095901.D  
 Acq: 13 Jun 2017 19:07

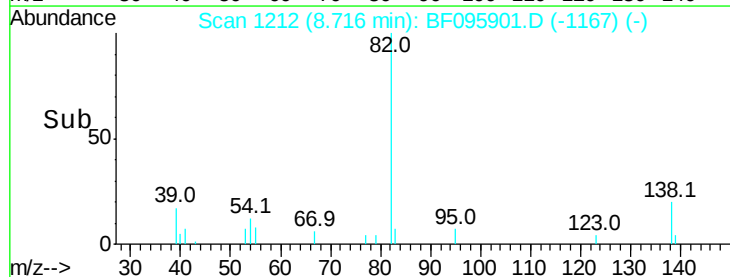
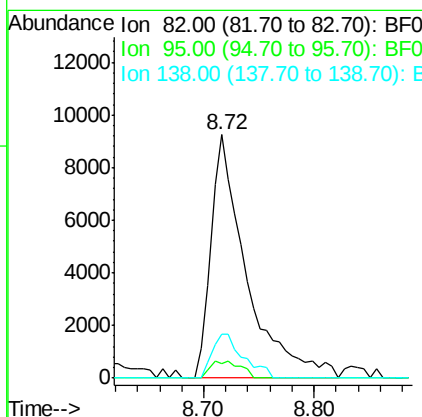
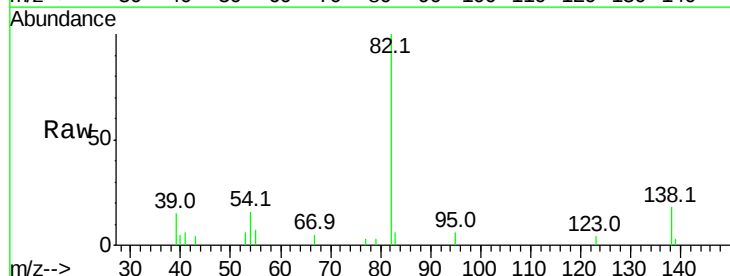
Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-CONCRETE-BATCH-13

Tot Ion: 82 Resp: 329996  
 Ion Ratio Lower Upper  
 82 100  
 128 48.0 34.0 51.0  
 54 46.9 42.2 63.2



#25  
 Isophorone  
 Concen: 2.31 ng  
 RT: 8.72 min Scan# 1212  
 Delta R.T. -0.04 min  
 Lab File: BF095901.D  
 Acq: 13 Jun 2017 19:07

Tgt Ion: 82 Resp: 20574  
 Ion Ratio Lower Upper  
 82 100  
 95 5.8 5.3 7.9  
 138 18.0 13.1 19.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.20 min Scan# 1804

Delta R.T. -0.06 min

Lab File: BF095901.D

Acq: 13 Jun 2017 19:07

Instrument :

BNA\_F

ClientSampleId :

E2-CONCRETE-BATCH-13

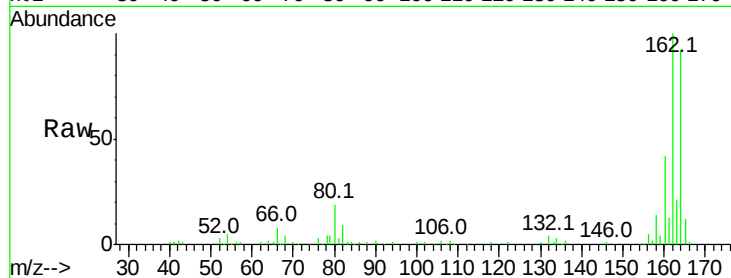
Tot Ion:164 Resp: 138512

Ion Ratio Lower Upper

164 100

162 108.6 82.6 123.8

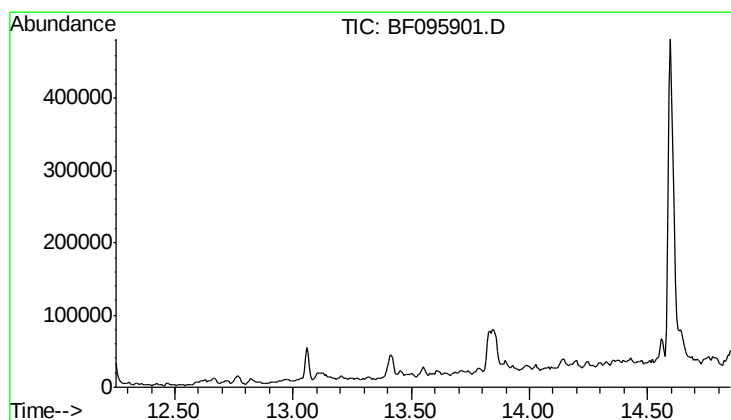
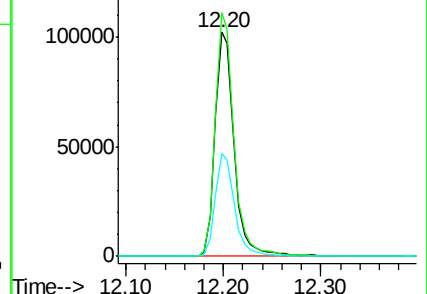
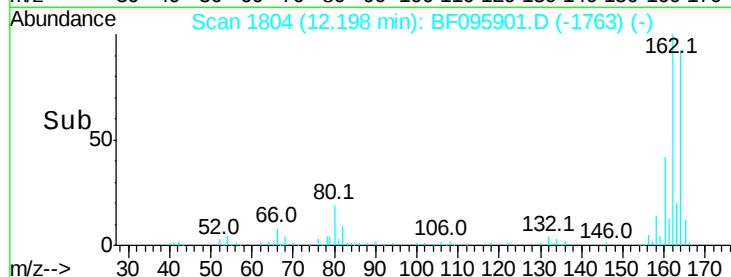
160 45.7 36.2 54.2



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: 0.00 ng

Expected RT: 13.55 min

Lab File: BF095901.D

Acq: 13 Jun 2017 19:07

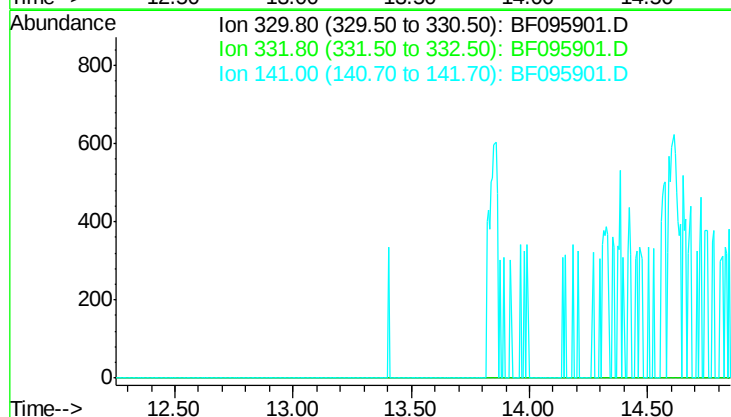
Tgt Ion: 330

Sig Exp Ratio

330 100

332 95.8

141 39.3

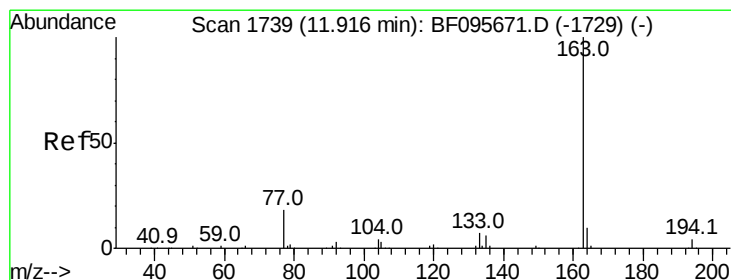
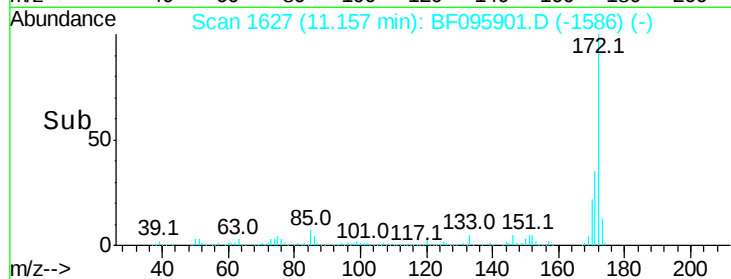
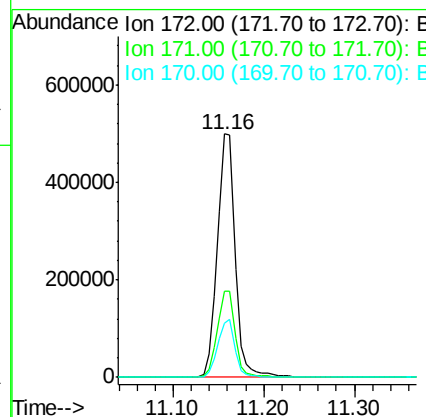
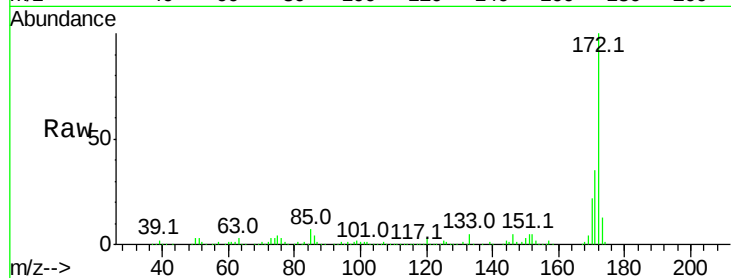




#44  
2-Fluorobiphenyl  
Concen: 68.88 ng  
RT: 11.16 min Scan# 1627  
Delta R.T. -0.06 min  
Lab File: BF095901.D  
Acq: 13 Jun 2017 19:07

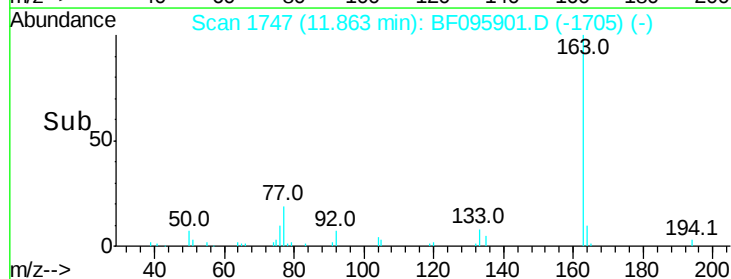
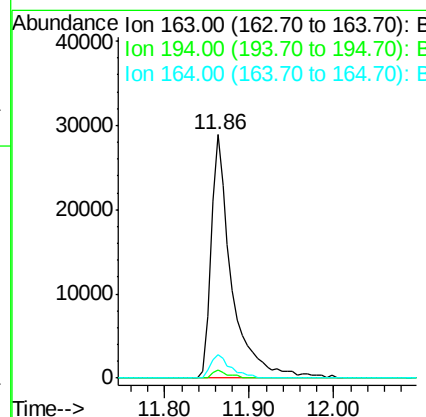
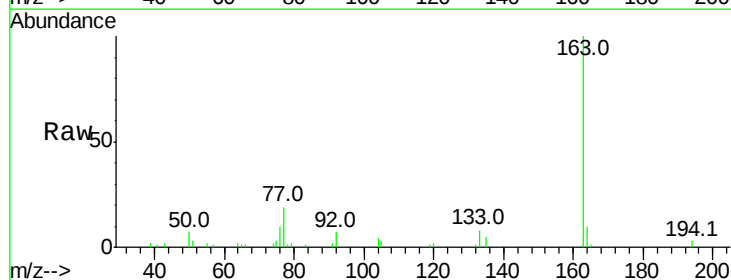
Instrument :  
BNA\_F  
ClientSampleId :  
E2-CONCRETE-BATCH-13

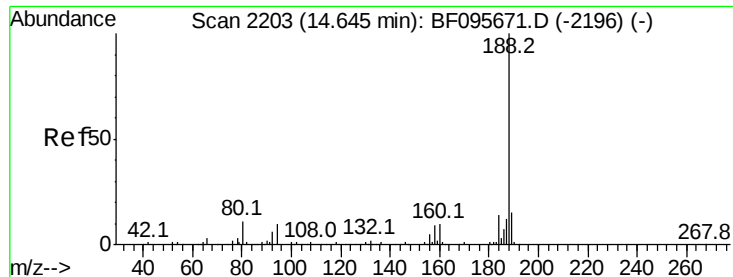
Tot Ion:172 Resp: 685631  
Ion Ratio Lower Upper  
172 100  
171 35.5 29.6 44.4  
170 22.5 19.8 29.8



#49  
Dimethylphthalate  
Concen: 4.65 ng  
RT: 11.86 min Scan# 1747  
Delta R.T. -0.05 min  
Lab File: BF095901.D  
Acq: 13 Jun 2017 19:07

Tgt Ion:163 Resp: 48896  
Ion Ratio Lower Upper  
163 100  
194 3.5 2.6 4.0  
164 9.7 8.4 12.6

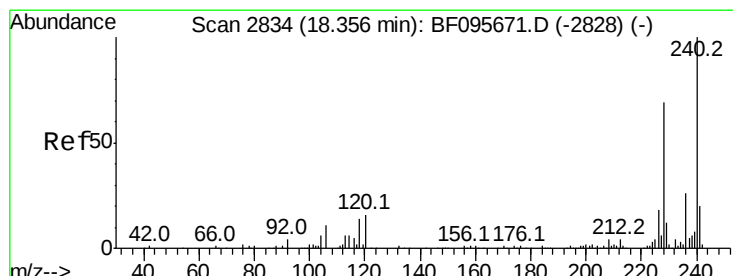
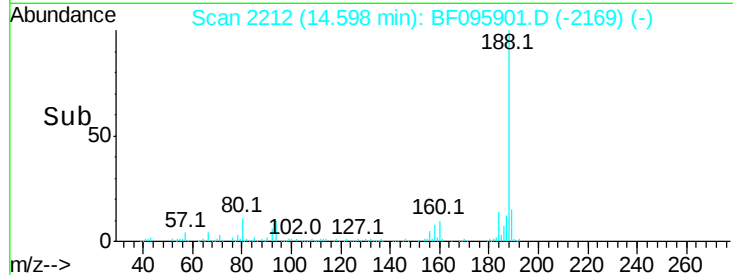
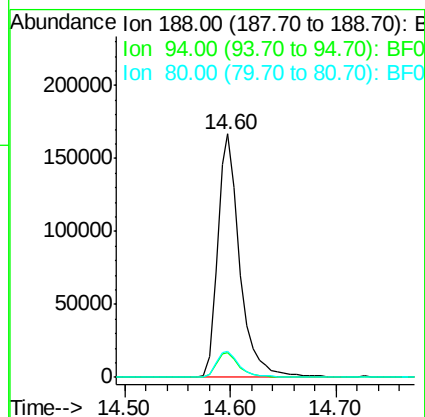
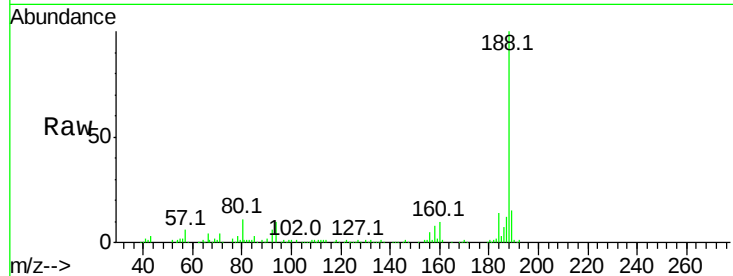




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 14.60 min Scan# 2212  
Delta R.T. -0.05 min  
Lab File: BF095901.D  
Acq: 13 Jun 2017 19:07

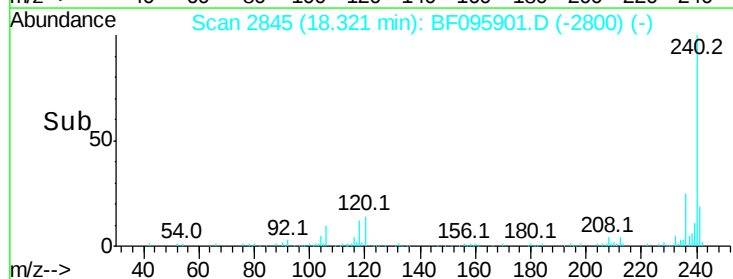
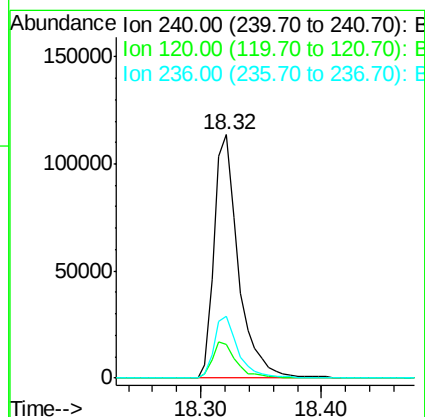
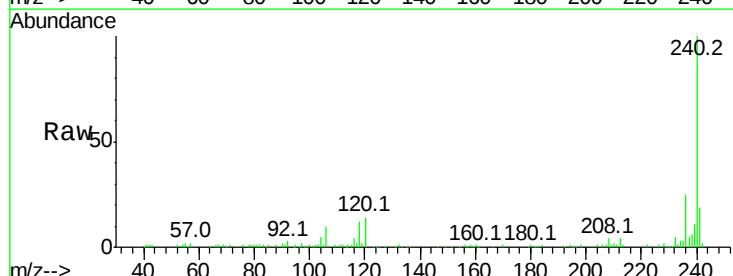
Instrument :  
BNA\_F  
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E2-CONCRETE-BATCH-13

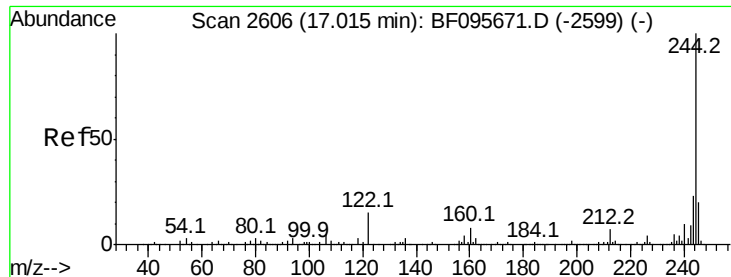
Tot Ion:188 Resp: 246472  
Ion Ratio Lower Upper  
188 100  
94 10.3 9.4 14.2  
80 10.5 10.2 15.2



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 18.32 min Scan# 2845  
Delta R.T. -0.04 min  
Lab File: BF095901.D  
Acq: 13 Jun 2017 19:07

Tgt Ion:240 Resp: 157005  
Ion Ratio Lower Upper  
240 100  
120 13.9 5.8 8.8#  
236 25.3 20.5 30.7





#78

Terphenyl-d14

Concen: 84.03 ng

RT: 16.97 min Scan# 2616

Delta R.T. -0.04 min

Lab File: BF095901.D

Acq: 13 Jun 2017 19:07

Instrument :

BNA\_F

ClientSampleId :

E2-CONCRETE-BATCH-13

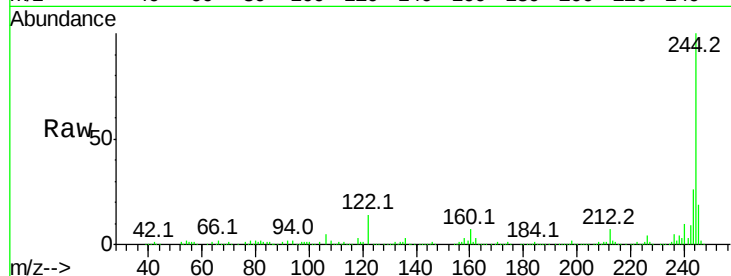
Tot Ion:244 Resp: 531613

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

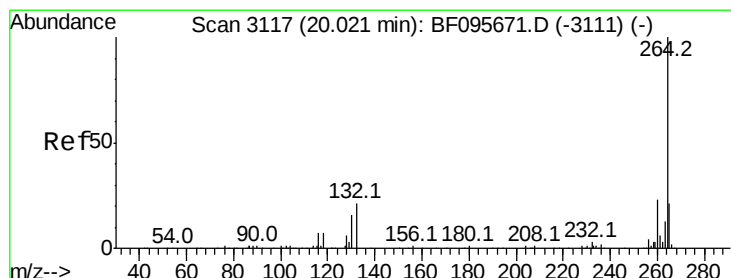
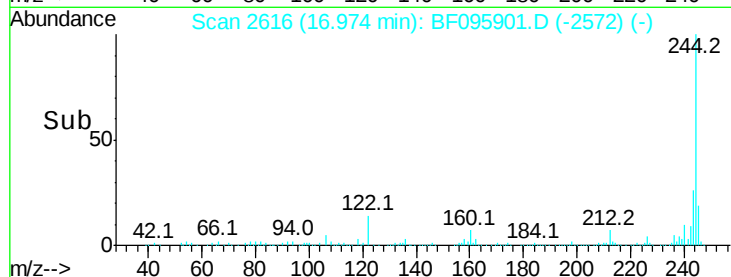
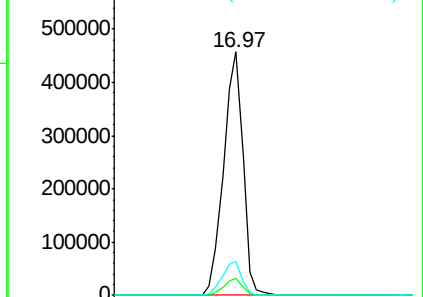
122 13.7 10.3 15.5



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: 19.99 min Scan# 3129

Delta R.T. -0.03 min

Lab File: BF095901.D

Acq: 13 Jun 2017 19:07

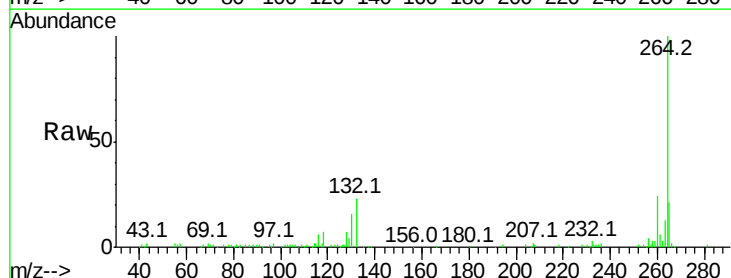
Tgt Ion:264 Resp: 125642

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

265 21.0 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

