

Data File : BF093090.D  
Acq On : 22 Feb 2017 22:05  
Operator : SJ/MA  
Sample : I1931-07  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
P-5

Quant Time: Feb 22 23:59:03 2017  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 17 17:31:55 2017  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.84  | 152  | 154701   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.13  | 136  | 610524   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.87  | 164  | 288281   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.36 | 188  | 582507   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 13.99 | 240  | 489296   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12               | 15.41 | 264  | 367416   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.45  | 112  | 20685    | 2.29   | ng    | 0.00     |
| 7) Phenol-d6                   | 6.48  | 99   | 542342   | 46.74  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.41  | 82   | 970221   | 88.50  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 0.00  | 330  | 0        | 0.00   | ng    |          |
| 44) 2-Fluorobiphenyl           | 9.21  | 172  | 1702897  | 107.02 | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.94 | 244  | 1501938  | 72.13  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.49  | 94   | 46411    | 3.42   | ng    | # 70     |
| 19) n-Nitroso-di-n-propylamine | 7.41  | 70   | 126588   | 17.14  | ng    | # 80     |
| 49) Dimethylphthalate          | 9.60  | 163  | 306435   | 15.78  | ng    | 100      |
| 56) 2,4-Dinitrotoluene         | 9.87  | 165  | 36768    | 6.59   | ng    | # 20     |

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

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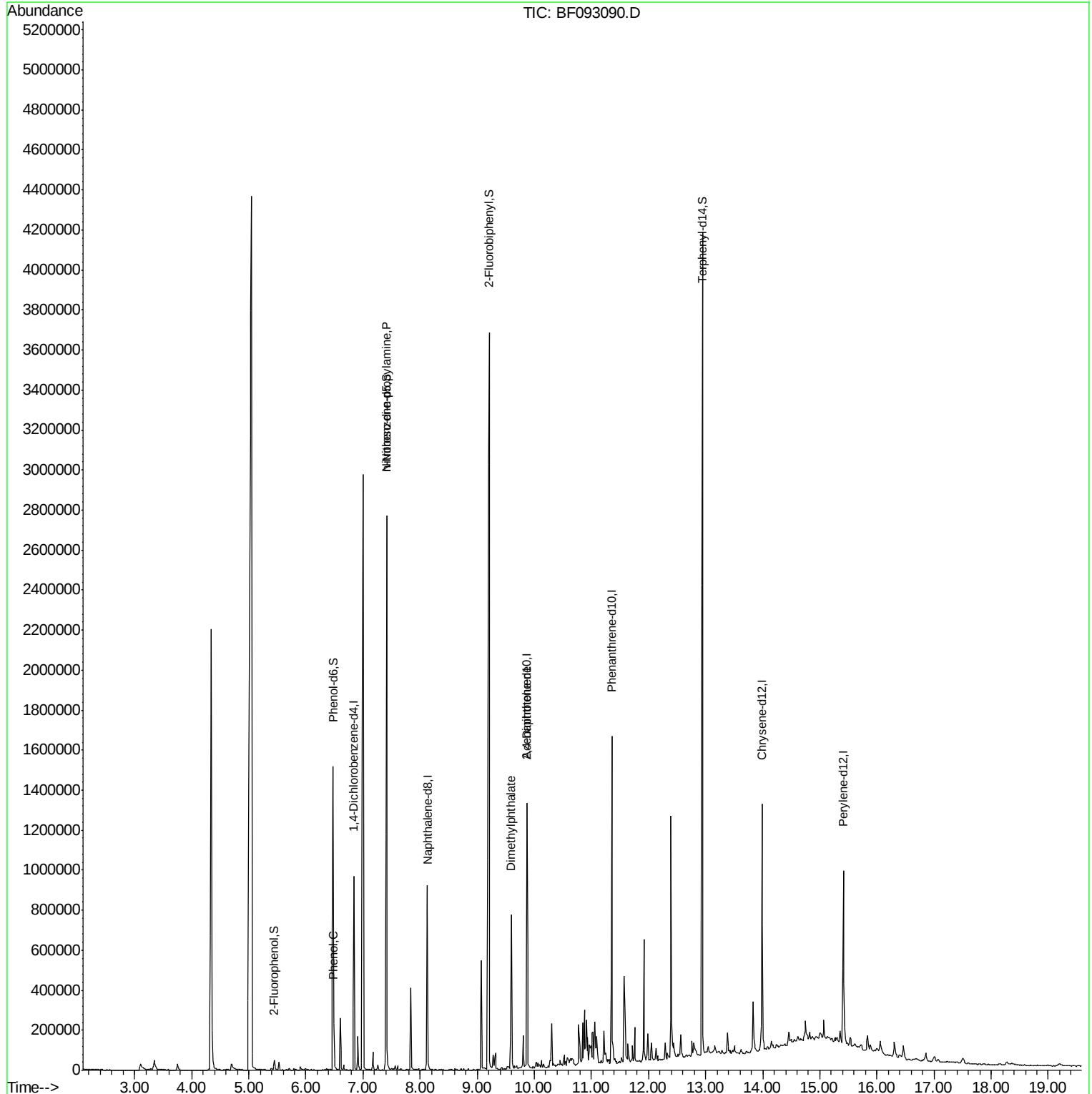
Quant Time: Feb 22 23:59:03 2017

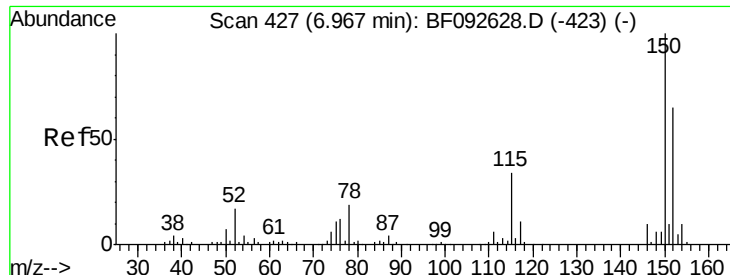
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 17 17:31:55 2017

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

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BNA\_F

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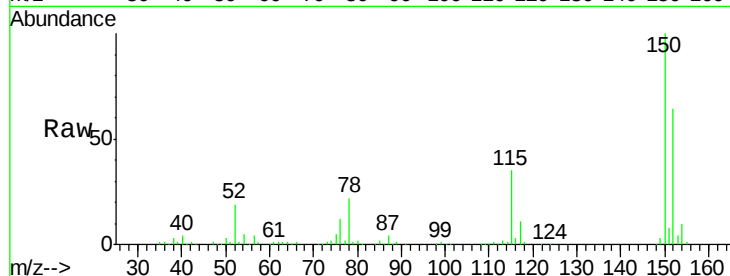
Tgt Ion:152 Resp: 154701

Ion Ratio Lower Upper

152 100

150 156.9 124.9 187.3

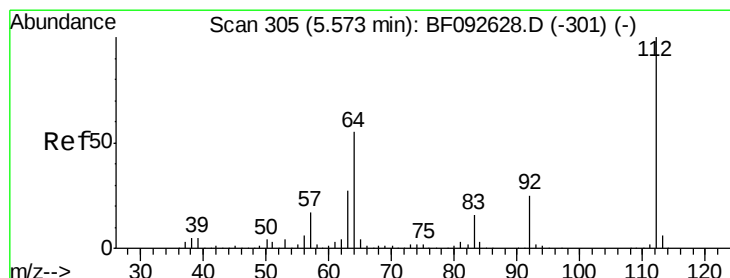
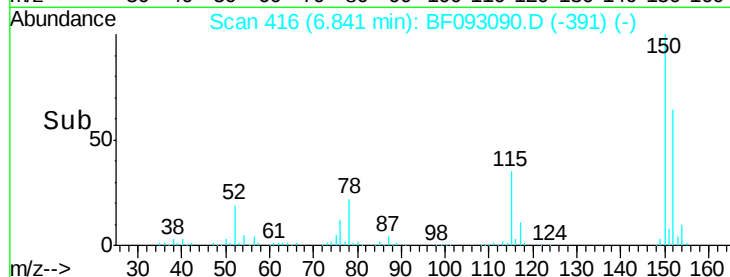
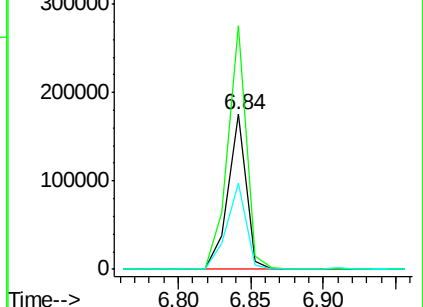
115 55.3 46.0 69.0



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: 2.29 ng

RT: 5.45 min Scan# 294

Delta R.T. -0.00 min

Lab File: BF093090.D

Acq: 22 Feb 2017 22:05

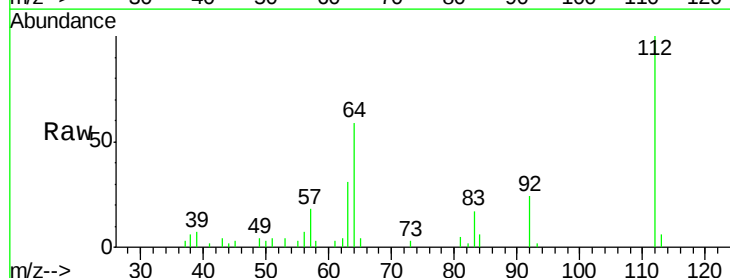
Tgt Ion:112 Resp: 20685

Ion Ratio Lower Upper

112 100

64 58.7 46.1 69.1

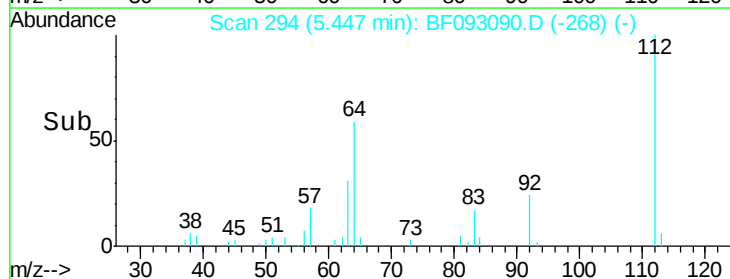
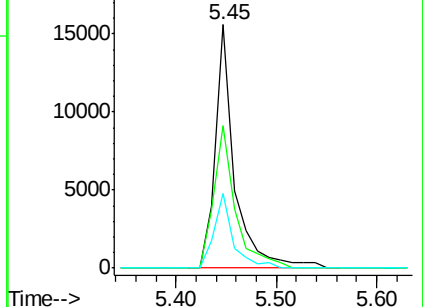
63 30.7 23.8 35.6

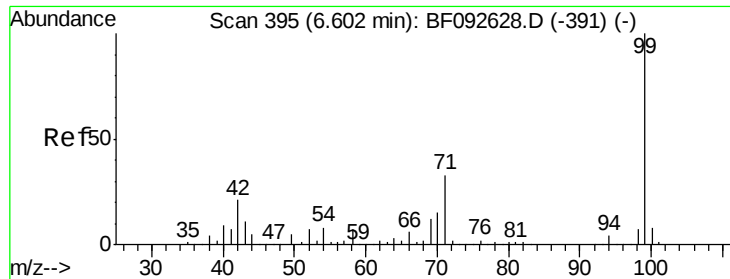


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 46.74 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

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Instrument :

BNA\_F

ClientSampleId :

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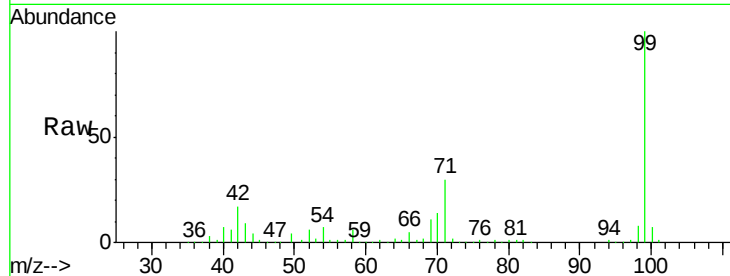
Tgt Ion: 99 Resp: 542342

Ion Ratio Lower Upper

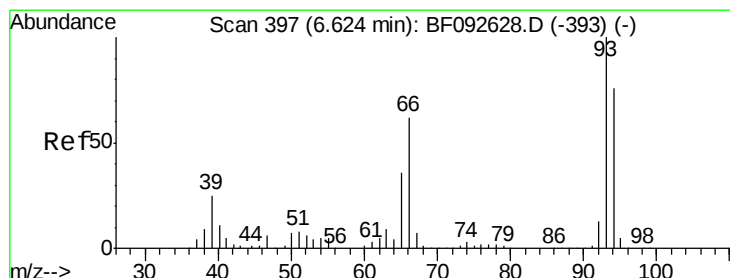
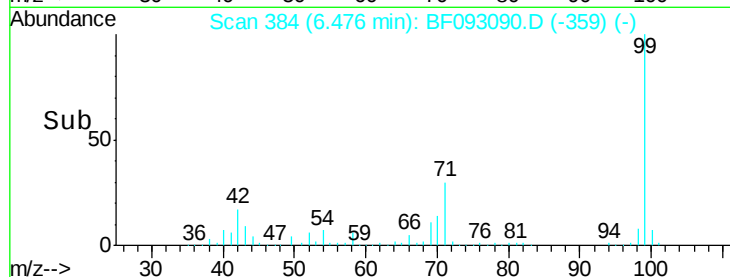
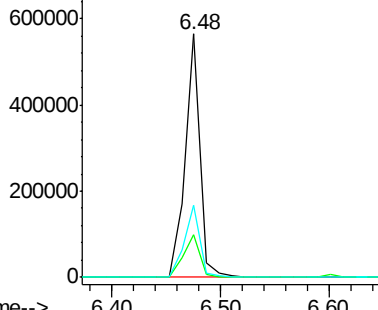
99 100

42 17.3 15.6 23.4

71 29.6 27.5 41.3



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: 3.42 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093090.D

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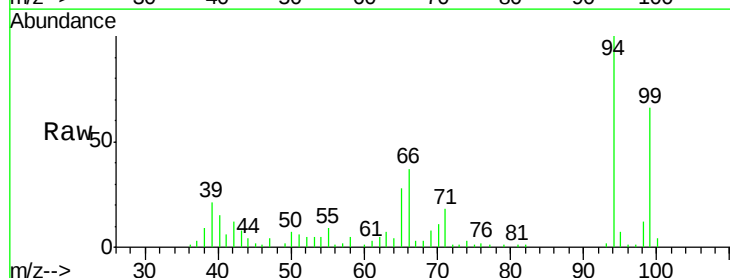
Tgt Ion: 94 Resp: 46411

Ion Ratio Lower Upper

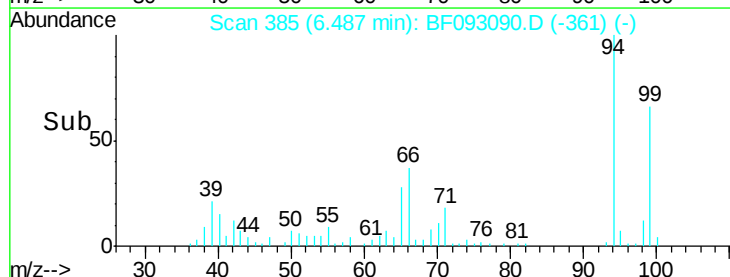
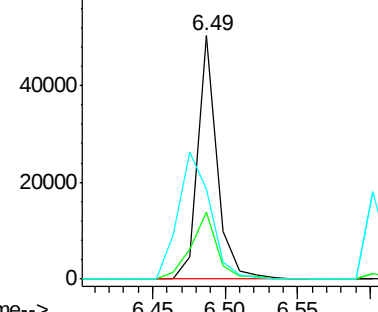
94 100

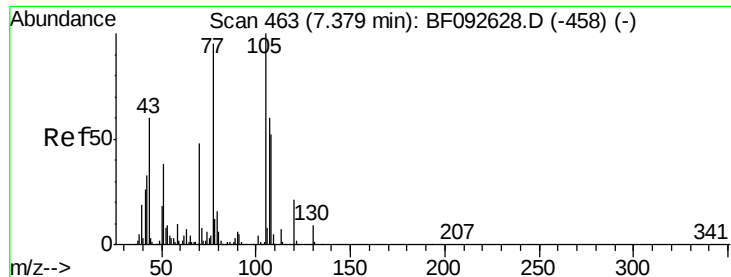
65 27.6 21.4 61.4

66 36.7 44.0 84.0#



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

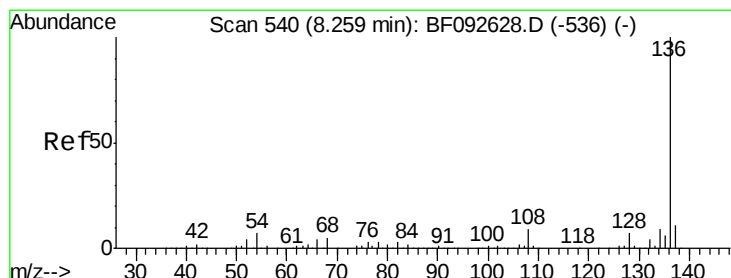
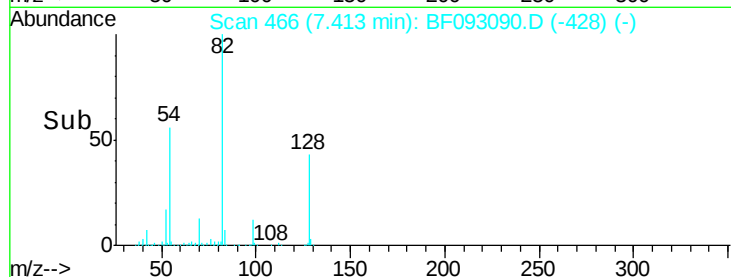
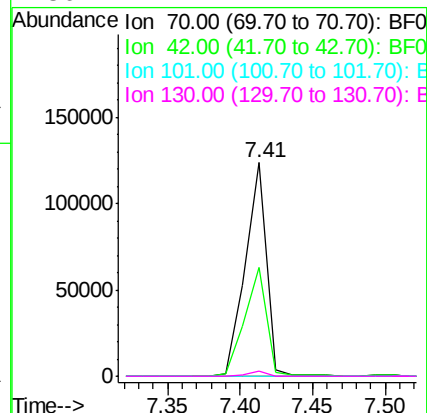
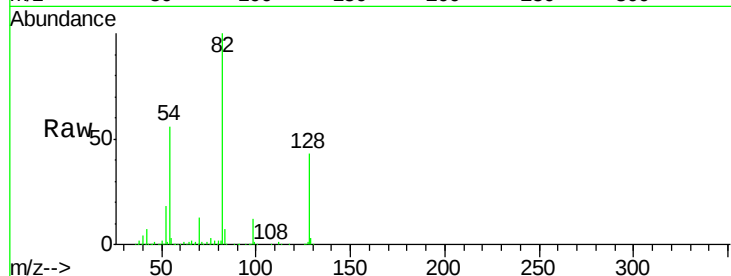




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.14 ng  
RT: 7.41 min Scan# 466  
Delta R.T. 0.14 min  
Lab File: BF093090.D  
Acq: 22 Feb 2017 22:05

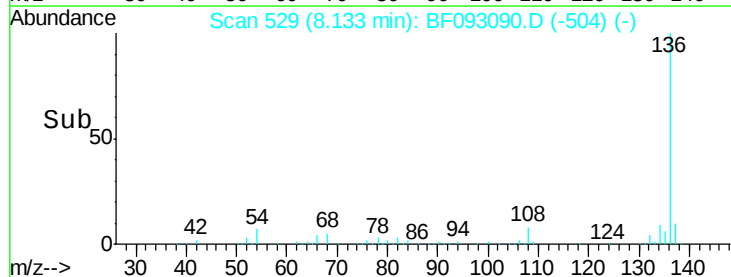
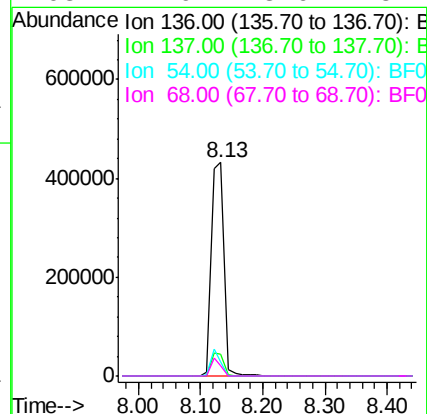
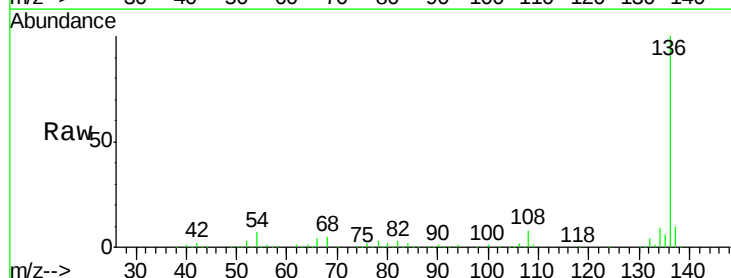
Instrument :  
BNA\_F  
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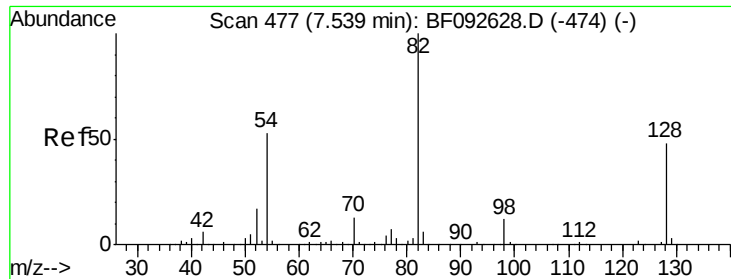
Tgt Ion: 70 Resp: 126588  
Ion Ratio Lower Upper  
70 100  
42 50.8 49.4 74.0  
101 0.0 7.4 11.2#  
130 2.2 14.2 21.4#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.13 min Scan# 529  
Delta R.T. -0.01 min  
Lab File: BF093090.D  
Acq: 22 Feb 2017 22:05

Tgt Ion: 136 Resp: 610524  
Ion Ratio Lower Upper  
136 100  
137 10.2 8.4 12.6  
54 6.7 4.5 6.7  
68 4.9 3.6 5.4

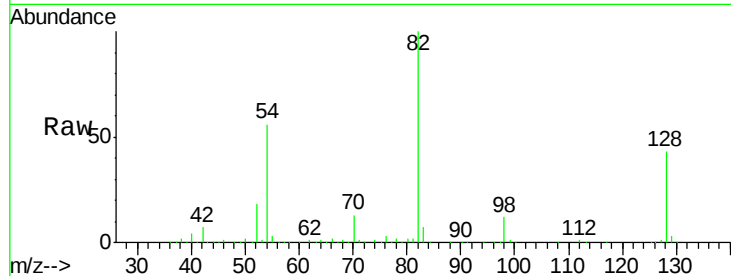




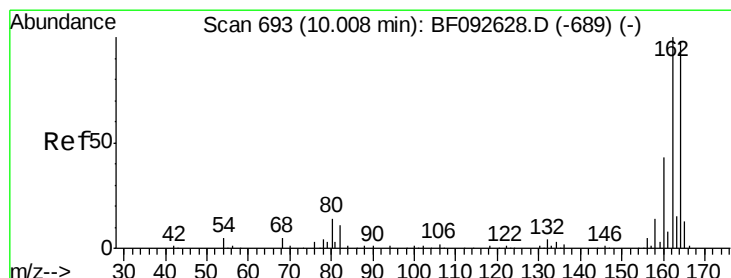
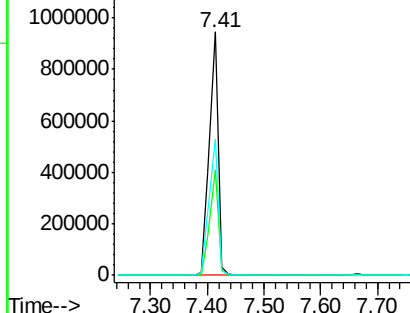
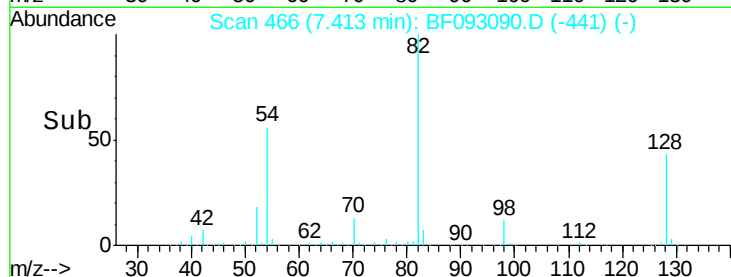
#23  
 Nitrobenzene-d5  
 Concen: 88.50 ng  
 RT: 7.41 min Scan# 466  
 Delta R.T. -0.01 min  
 Lab File: BF093090.D  
 Acq: 22 Feb 2017 22:05

Instrument :  
 BNA\_F  
 ClientSampleID :  
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Tgt Ion: 82 Resp: 970221  
 Ion Ratio Lower Upper  
 82 100  
 128 43.2 34.6 52.0  
 54 56.0 39.5 59.3

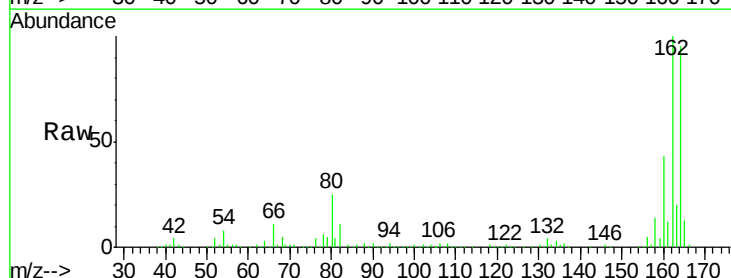


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

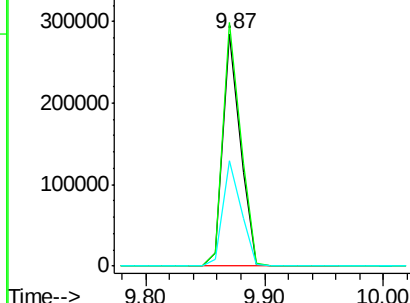
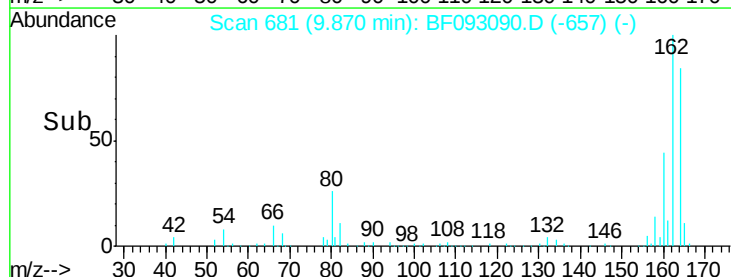


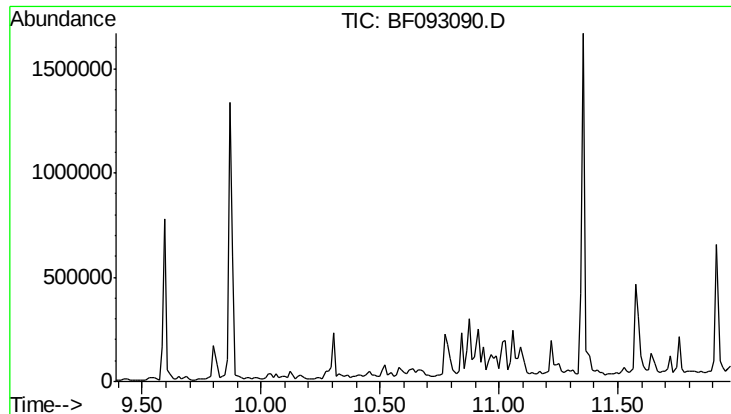
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.87 min Scan# 681  
 Delta R.T. -0.02 min  
 Lab File: BF093090.D  
 Acq: 22 Feb 2017 22:05

Tgt Ion: 164 Resp: 288281  
 Ion Ratio Lower Upper  
 164 100  
 162 104.8 80.2 120.2  
 160 45.3 36.9 55.3



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

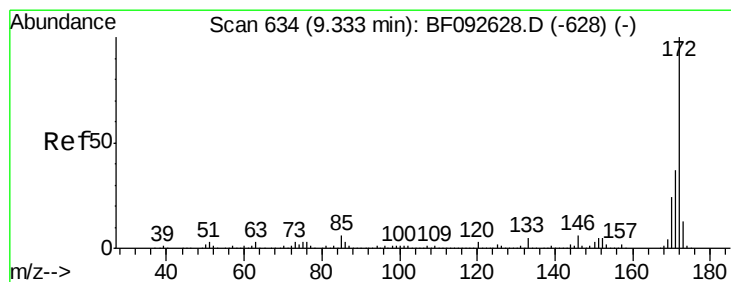
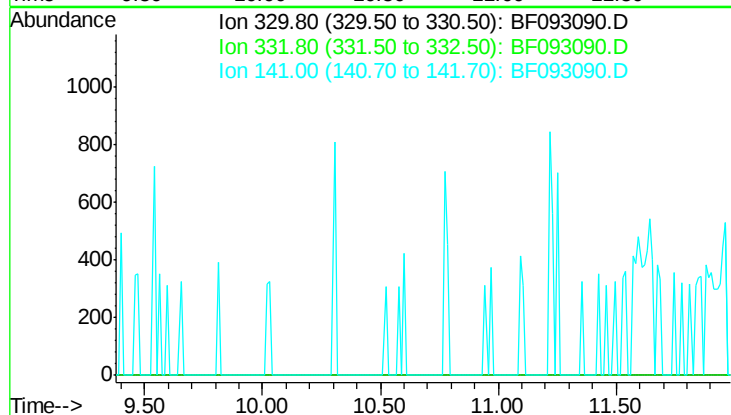




#41  
 2,4,6-Tribromophenol  
 Concen: 0.00 ng  
 Expected RT: 10.68 min  
 Lab File: BF093090.D  
 Acq: 22 Feb 2017 22:05

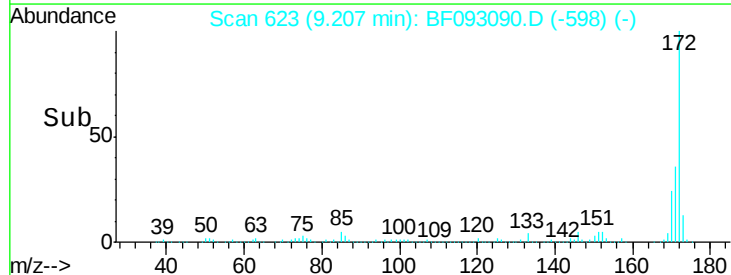
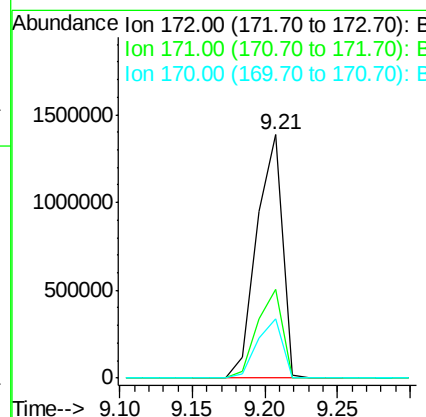
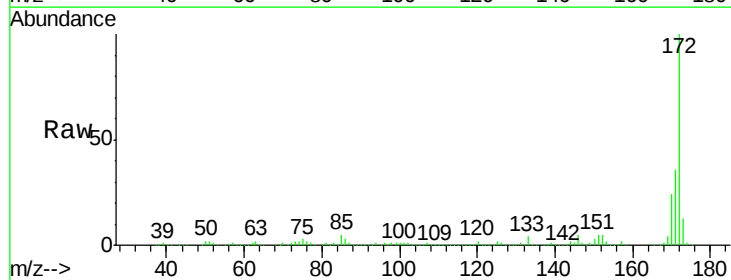
Instrument :  
 BNA\_F  
 ClientSampleId :  
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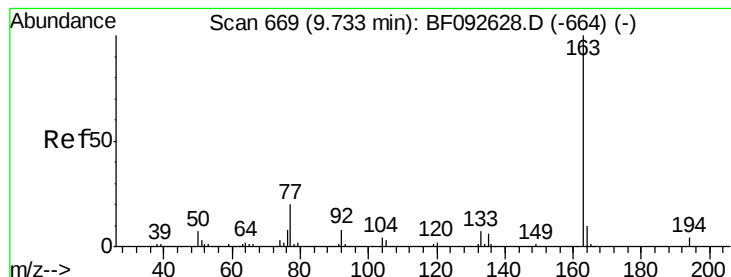
Tgt Ion: 330  
 Sig Exp Ratio  
 330 100  
 332 96.8  
 141 42.6



#44  
 2-Fluorobiphenyl  
 Concen: 107.02 ng  
 RT: 9.21 min Scan# 623  
 Delta R.T. -0.01 min  
 Lab File: BF093090.D  
 Acq: 22 Feb 2017 22:05

Tgt Ion: 172 Resp: 1702897  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.4 44.0  
 170 24.3 20.2 30.4





#49

Dimethylphthalate

Concen: 15.78 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.02 min

Lab File: BF093090.D

Acq: 22 Feb 2017 22:05

Instrument :

BNA\_F

ClientSampleId :

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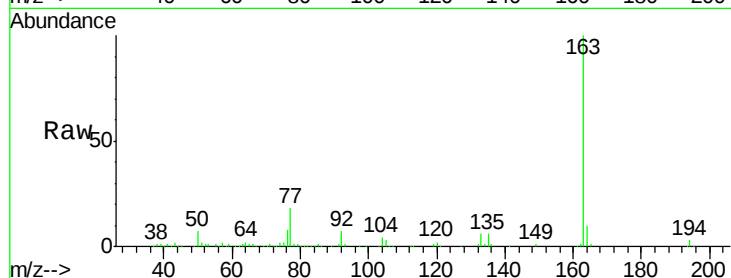
Tgt Ion:163 Resp: 306435

Ion Ratio Lower Upper

163 100

194 3.5 3.0 4.4

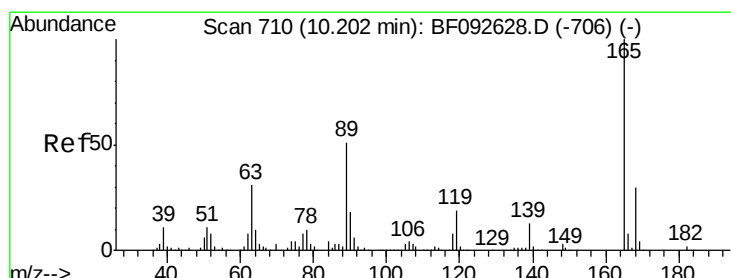
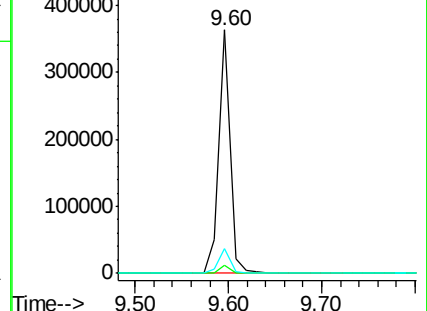
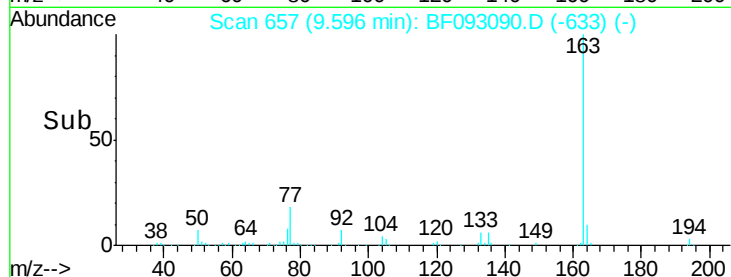
164 10.0 8.0 12.0



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



#56

2,4-Dinitrotoluene

Concen: 6.59 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.22 min

Lab File: BF093090.D

Acq: 22 Feb 2017 22:05

Tgt Ion:165 Resp: 36768

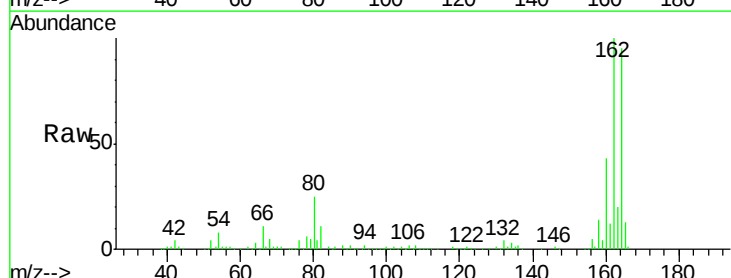
Ion Ratio Lower Upper

165 100

63 1.5 40.2 60.4#

89 1.4 62.5 93.7#

182 0.0 1.8 2.8#

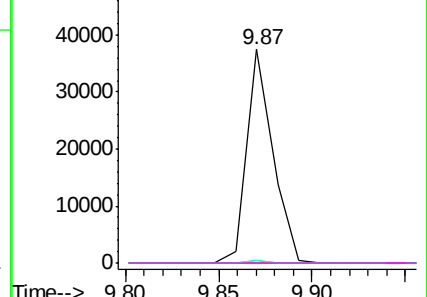
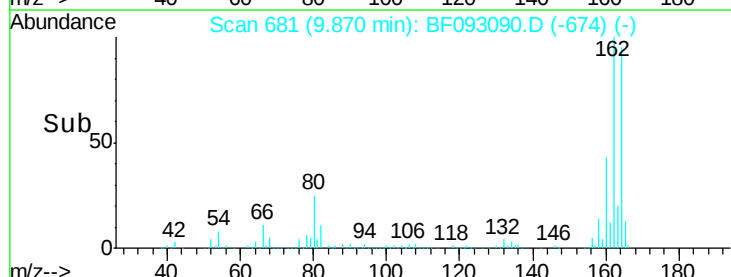


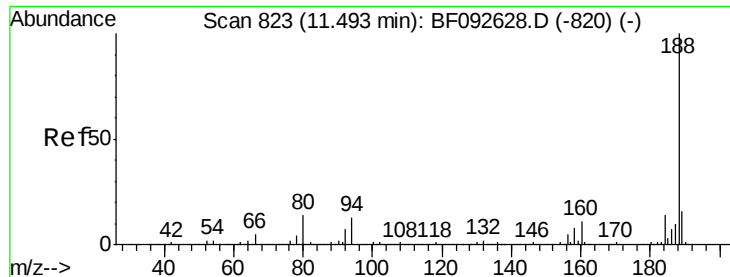
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

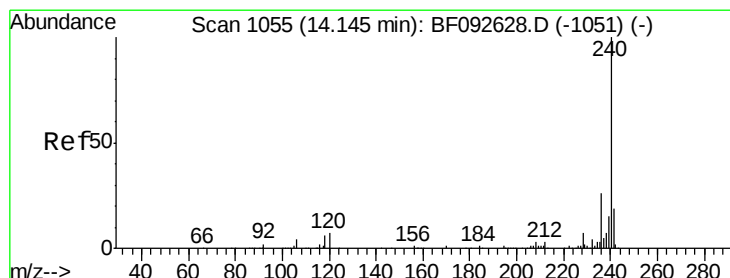
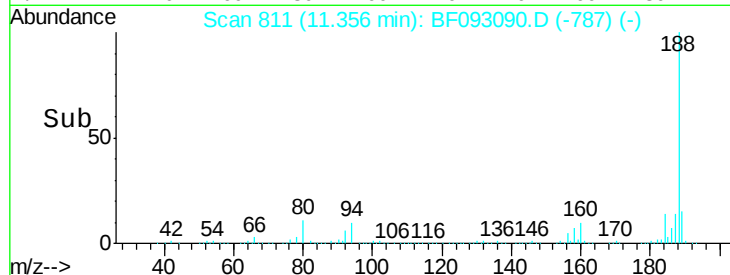
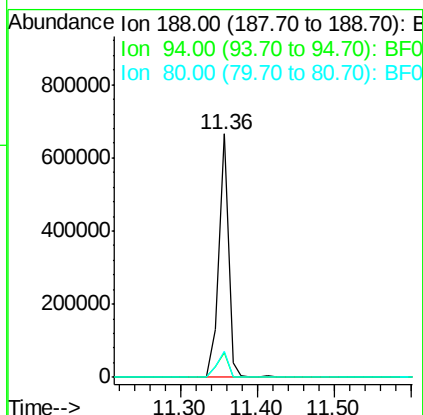
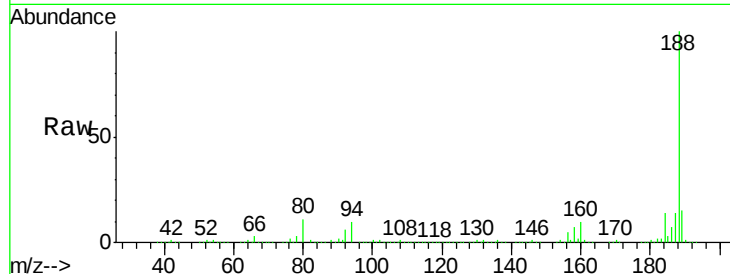




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.36 min Scan# 811  
Delta R.T. -0.02 min  
Lab File: BF093090.D  
Acq: 22 Feb 2017 22:05

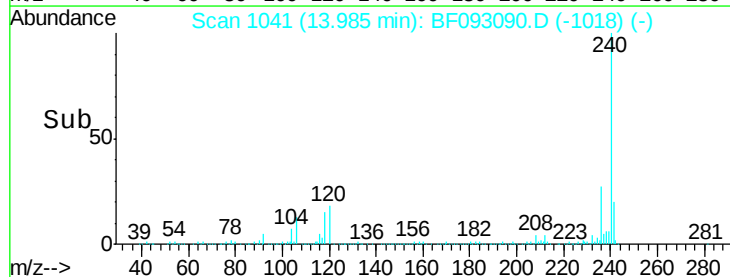
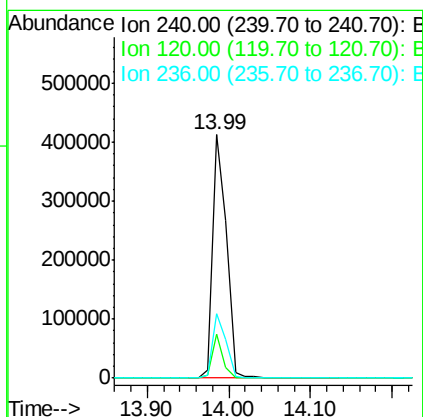
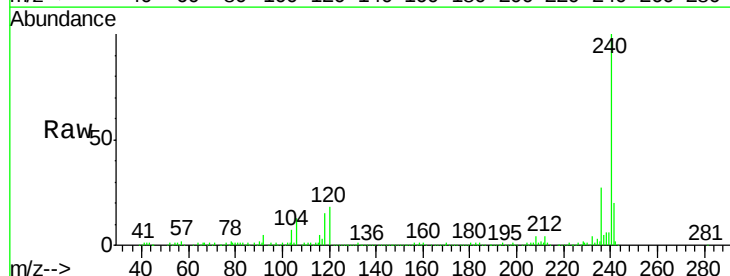
Instrument :  
BNA\_F  
ClientSampled :  
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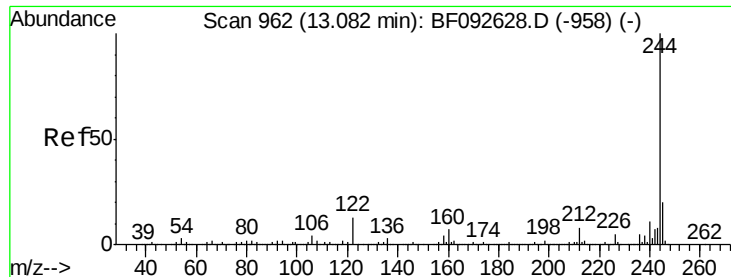
Tgt Ion:188 Resp: 582507  
Ion Ratio Lower Upper  
188 100  
94 10.3 10.0 15.0  
80 10.5 11.2 16.8#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.99 min Scan# 1041  
Delta R.T. -0.03 min  
Lab File: BF093090.D  
Acq: 22 Feb 2017 22:05

Tgt Ion:240 Resp: 489296  
Ion Ratio Lower Upper  
240 100  
120 17.9 12.9 19.3  
236 26.5 20.9 31.3

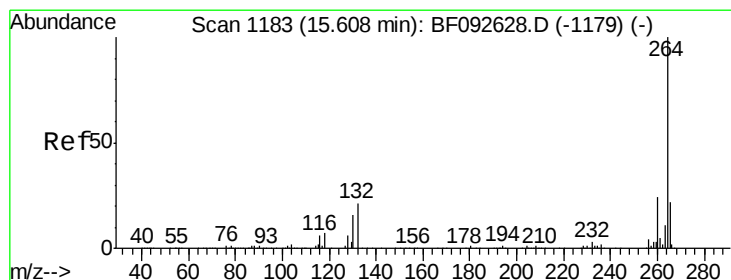
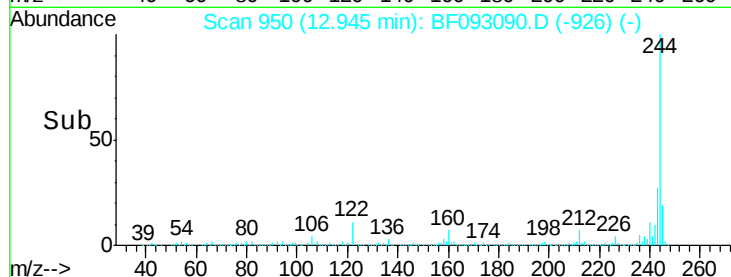
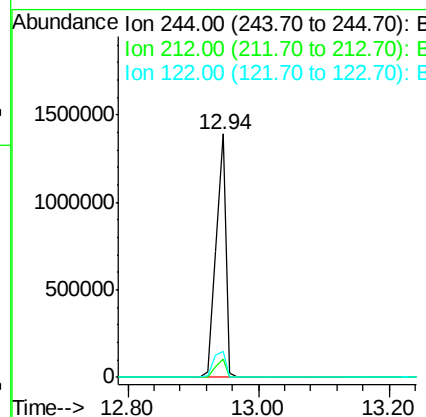
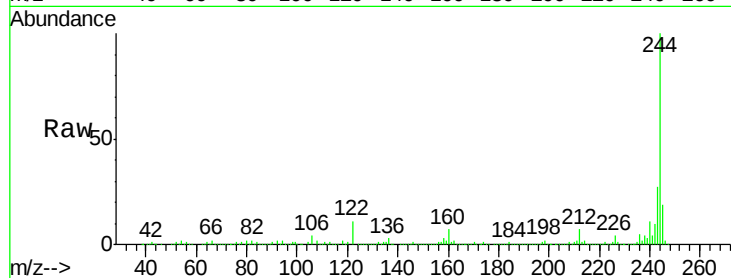




#78  
 Terphenyl-d14  
 Concen: 72.13 ng  
 RT: 12.94 min Scan# 950  
 Delta R.T. -0.02 min  
 Lab File: BF093090.D  
 Acq: 22 Feb 2017 22:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P-5

Tgt Ion:244 Resp: 1501938  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 6.2 9.2  
 122 10.9 11.4 17.2#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.41 min Scan# 1166  
 Delta R.T. -0.03 min  
 Lab File: BF093090.D  
 Acq: 22 Feb 2017 22:05

Tgt Ion:264 Resp: 367416  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.2 28.8  
 265 22.0 17.4 26.0

