

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052316\  
 Data File : BF087329.D  
 Acq On : 24 May 2016 7:52  
 Operator : UM/SJ  
 Sample : H3168-06  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-20-COMP

Quant Time: May 24 18:46:56 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 24 01:40:43 2016  
 Response via : Initial Calibration

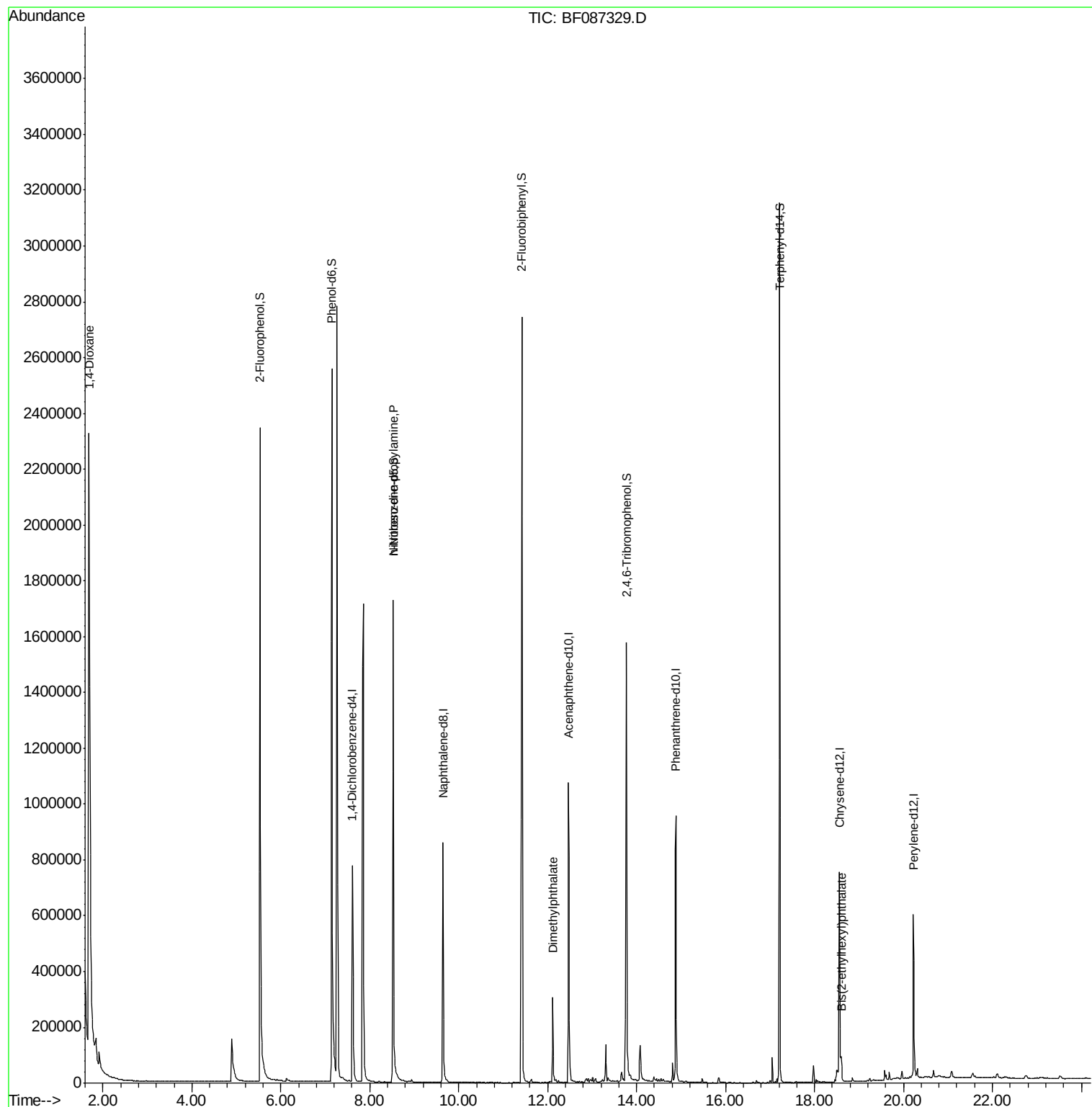
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.61  | 152  | 151958   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 9.64  | 136  | 644386   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10           | 12.47 | 164  | 313569   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10           | 14.88 | 188  | 574228   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12               | 18.56 | 240  | 435819   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12               | 20.22 | 264  | 313482   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.53  | 112  | 857622   | 99.17 | ng    | 0.01     |
| 7) Phenol-d6                   | 7.15  | 99   | 1133007  | 96.96 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 8.52  | 82   | 794219   | 62.12 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 13.77 | 330  | 278829   | 92.53 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 11.42 | 172  | 1332005  | 59.89 | ng    | -0.01    |
| 78) Terphenyl-d14              | 17.21 | 244  | 1149473  | 56.07 | ng    | -0.01    |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 1.69  | 88   | 106654   | 23.37 | ng    | # 22     |
| 19) n-Nitroso-di-n-propylamine | 8.52  | 70   | 106841   | 12.26 | ng    | # 76     |
| 49) Dimethylphthalate          | 12.11 | 163  | 164484   | 6.55  | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 18.61 | 149  | 42343    | 2.09  | ng    | # 98     |

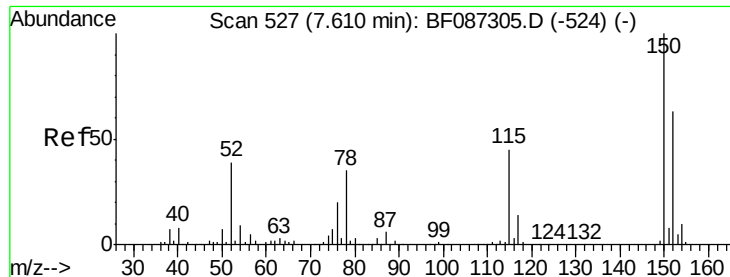
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.61 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF087329.D

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Instrument :

BNA\_F

ClientSampleId :

SB-20-COMP

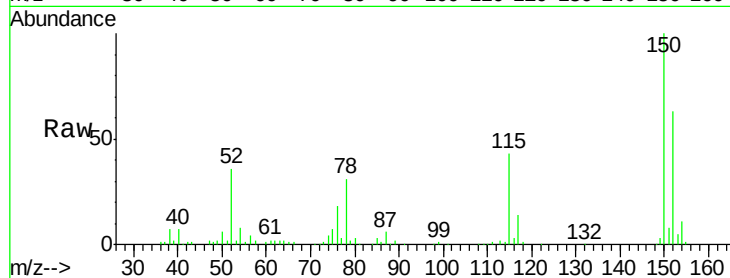
Tgt Ion: 152 Resp: 151958

Ion Ratio Lower Upper

152 100

150 158.6 125.8 188.6

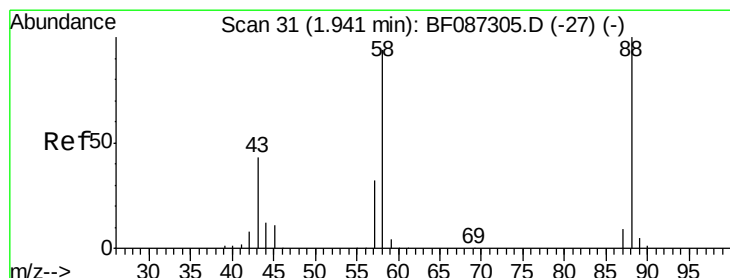
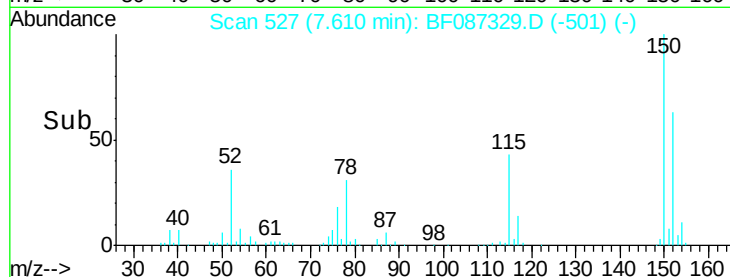
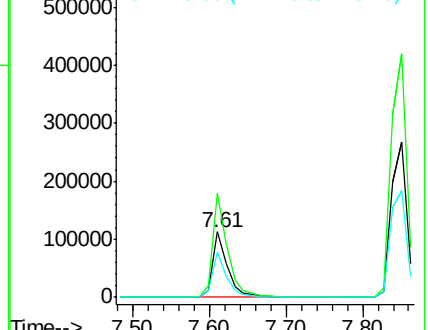
115 68.5 51.5 77.3



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



#2

1,4-Dioxane

Concen: 23.37 ng

RT: 1.69 min Scan# 9

Delta R.T. -0.25 min

Lab File: BF087329.D

Acq: 24 May 2016 7:52

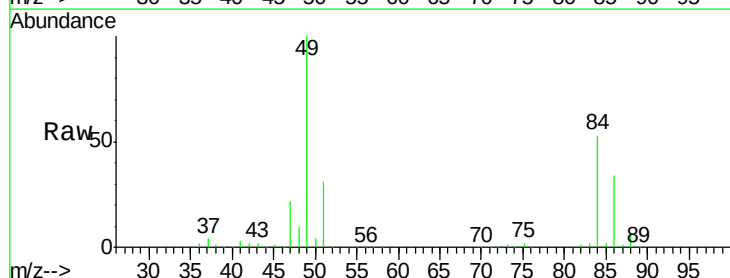
Tgt Ion: 88 Resp: 106654

Ion Ratio Lower Upper

88 100

58 0.0 59.6 89.4#

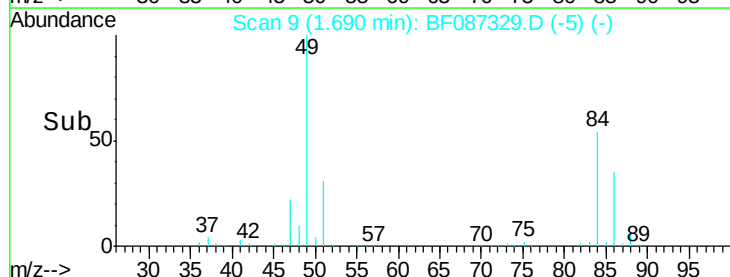
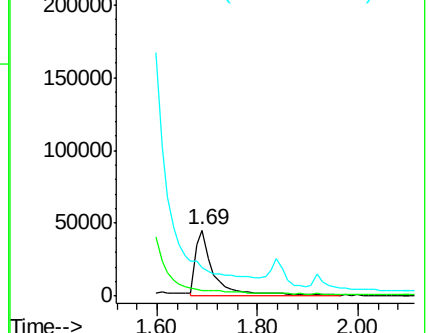
43 0.0 21.8 32.6#

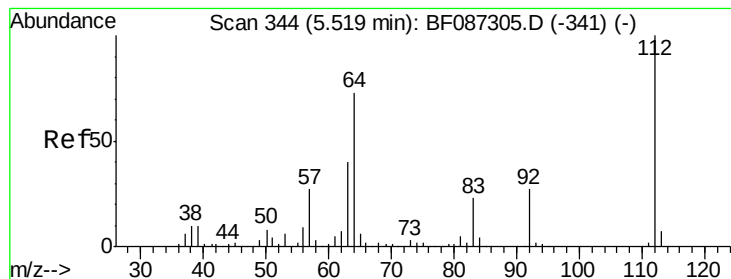


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 99.17 ng

RT: 5.53 min Scan# 345

Delta R.T. 0.01 min

Lab File: BF087329.D

Acq: 24 May 2016 7:52

Instrument :

BNA\_F

ClientSampleId :

SB-20-COMP

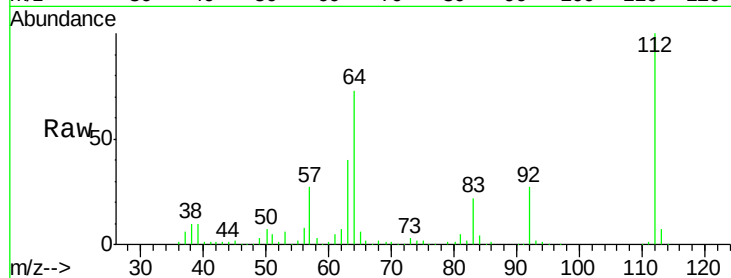
Tgt Ion: 112 Resp: 857622

Ion Ratio Lower Upper

112 100

64 72.8 52.1 78.1

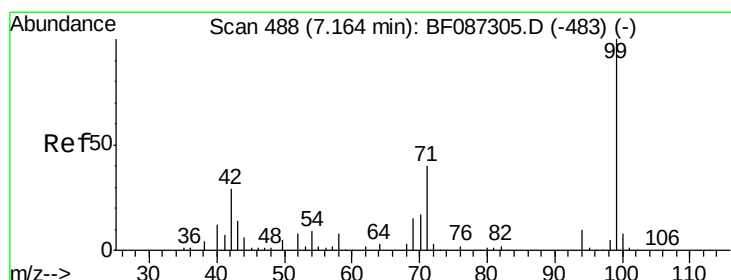
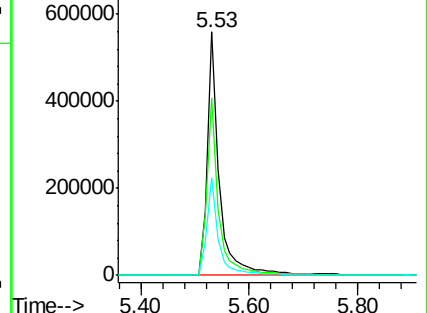
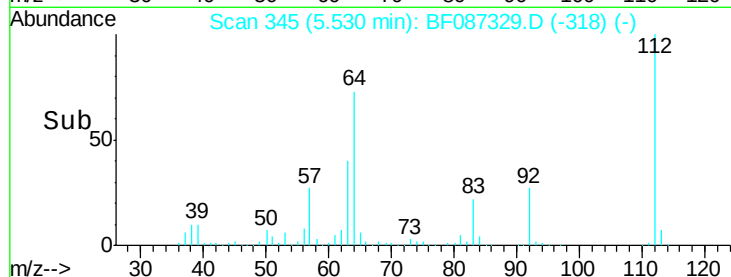
63 40.0 25.7 38.5#



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: 96.96 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.01 min

Lab File: BF087329.D

Acq: 24 May 2016 7:52

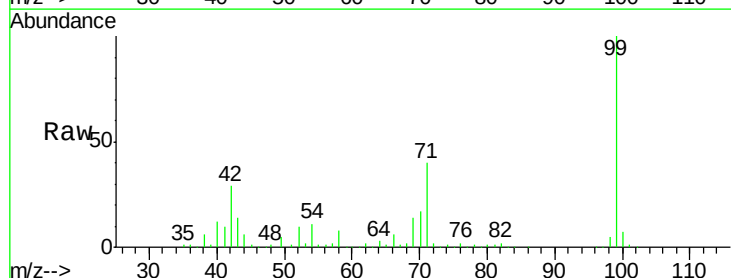
Tgt Ion: 99 Resp: 1133007

Ion Ratio Lower Upper

99 100

42 29.0 13.6 20.4#

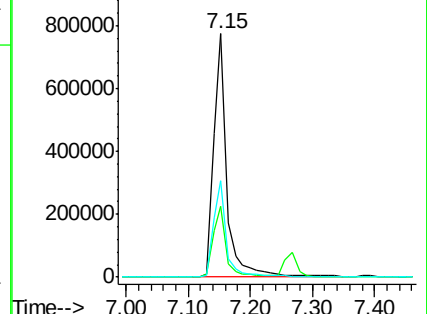
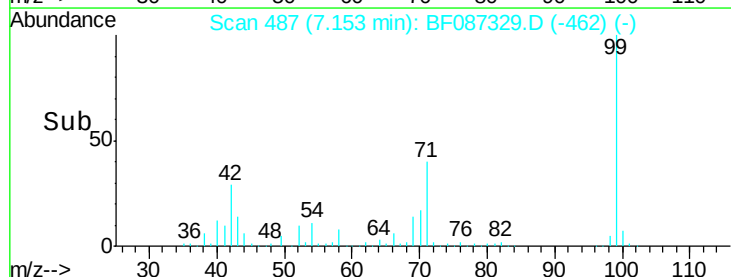
71 39.5 24.6 36.8#

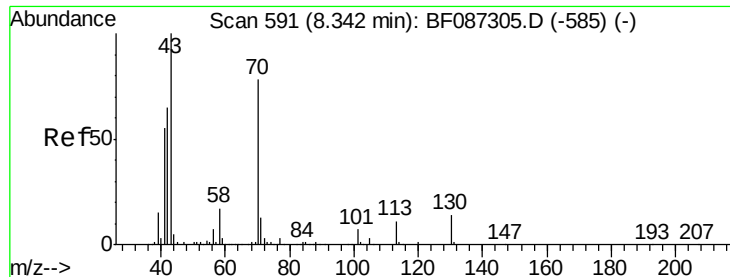


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

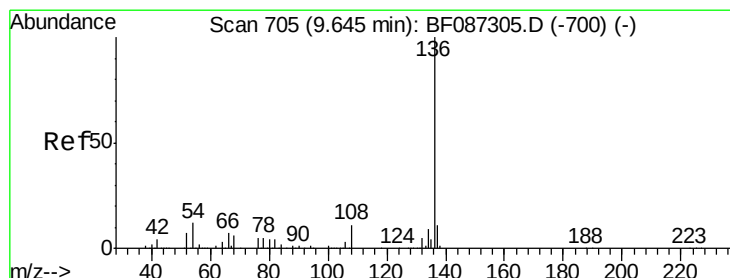
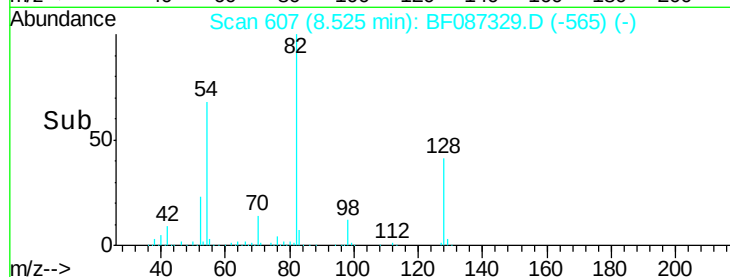
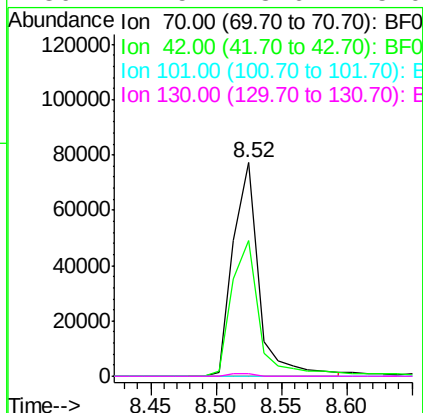
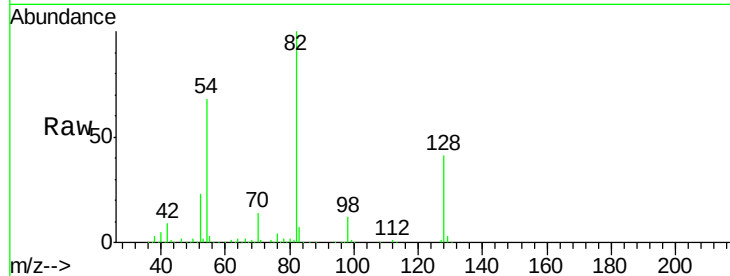




#19  
n-Nitroso-di-n-propylamine  
Concen: 12.26 ng  
RT: 8.52 min Scan# 607  
Delta R.T. 0.18 min  
Lab File: BF087329.D  
Acq: 24 May 2016 7:52

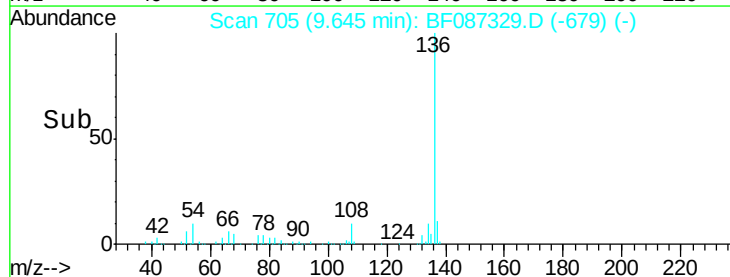
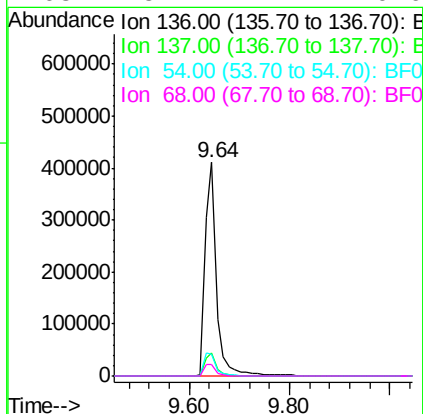
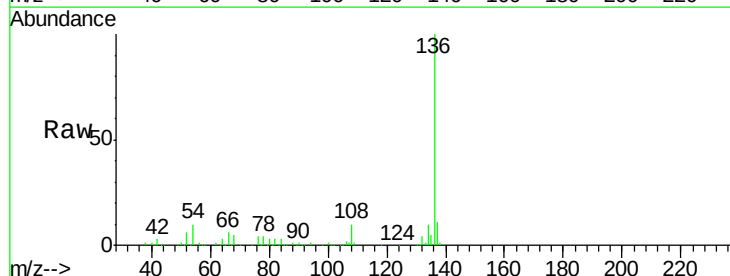
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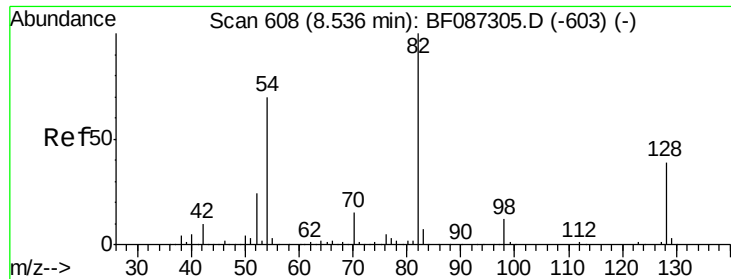
Tgt Ion: 70 Resp: 106841  
Ion Ratio Lower Upper  
70 100  
42 63.7 43.1 64.7  
101 0.0 8.1 12.1#  
130 1.5 18.6 28.0#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 9.64 min Scan# 705  
Delta R.T. 0.00 min  
Lab File: BF087329.D  
Acq: 24 May 2016 7:52

Tgt Ion: 136 Resp: 644386  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.8 13.2  
54 10.1 5.0 7.4#  
68 5.2 4.4 6.6

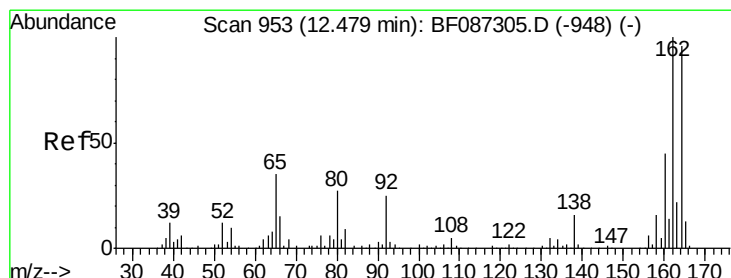
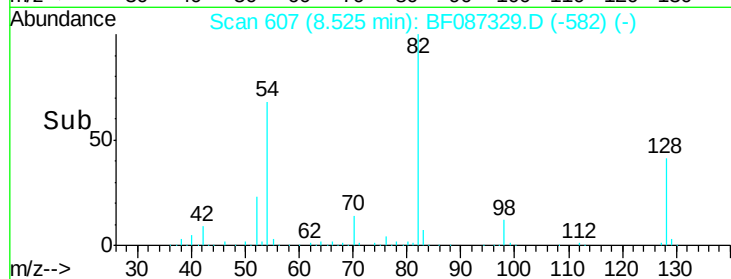
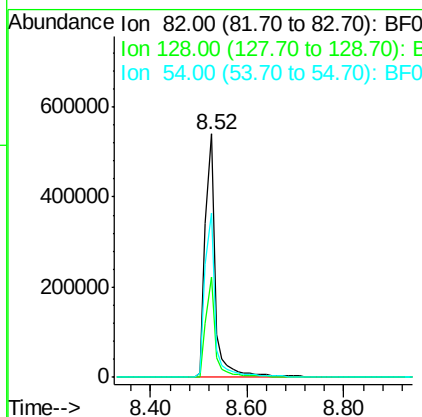
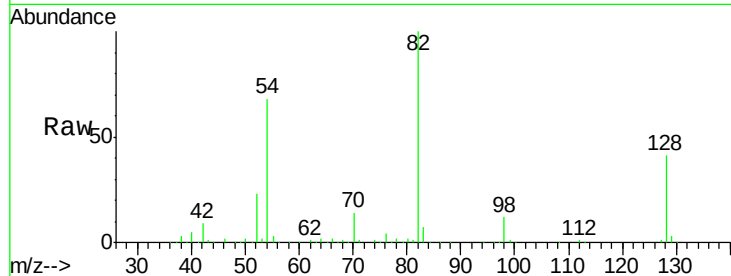




#23  
 Nitrobenzene-d5  
 Concen: 62.12 ng  
 RT: 8.52 min Scan# 607  
 Delta R.T. -0.01 min  
 Lab File: BF087329.D  
 Acq: 24 May 2016 7:52

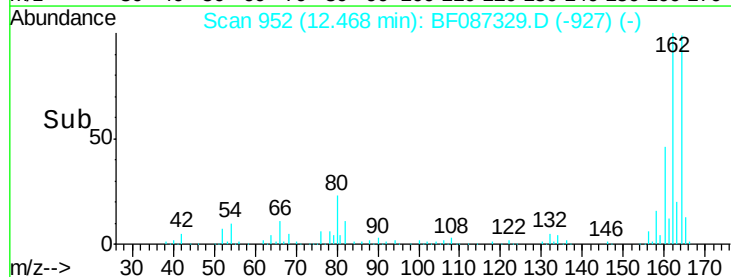
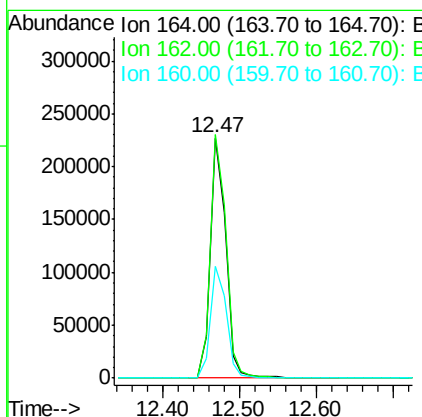
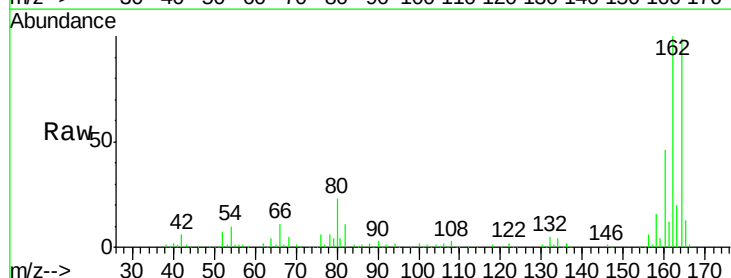
Instrument :  
 BNA\_F  
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 SB-20-COMP

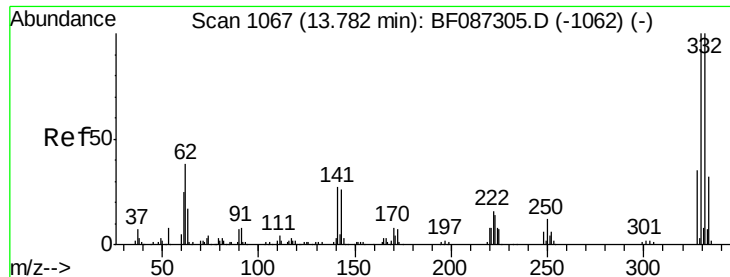
Tgt Ion: 82 Resp: 794219  
 Ion Ratio Lower Upper  
 82 100  
 128 41.1 40.6 61.0  
 54 67.7 38.1 57.1#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 12.47 min Scan# 952  
 Delta R.T. -0.01 min  
 Lab File: BF087329.D  
 Acq: 24 May 2016 7:52

Tgt Ion: 164 Resp: 313569  
 Ion Ratio Lower Upper  
 164 100  
 162 101.3 82.8 124.2  
 160 46.4 36.9 55.3





#41

2,4,6-Tribromophenol

Concen: 92.53 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BF087329.D

Acq: 24 May 2016 7:52

Instrument :

BNA\_F

ClientSampleId :

SB-20-COMP

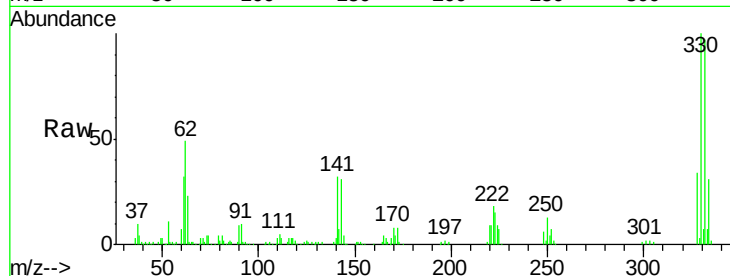
Tgt Ion:330 Resp: 278829

Ion Ratio Lower Upper

330 100

332 95.3 79.0 118.4

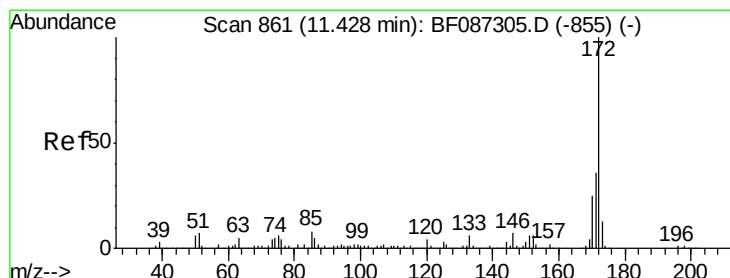
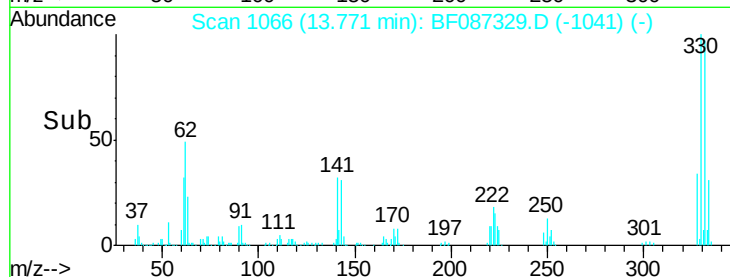
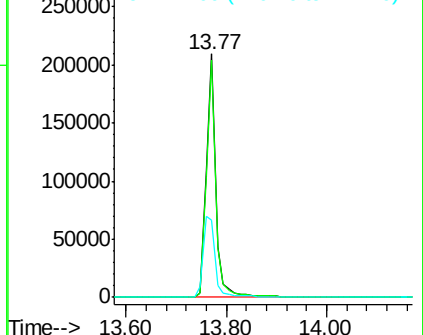
141 42.3 31.2 46.8



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: 59.89 ng

RT: 11.42 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF087329.D

Acq: 24 May 2016 7:52

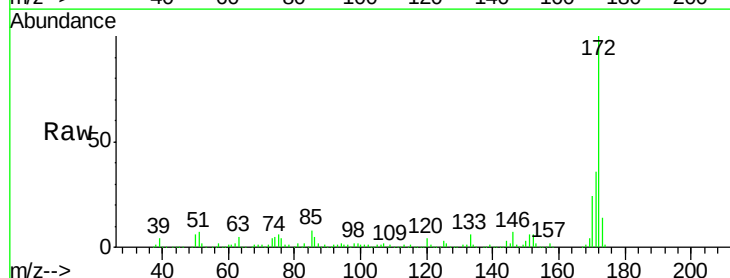
Tgt Ion:172 Resp: 1332005

Ion Ratio Lower Upper

172 100

171 36.2 29.0 43.6

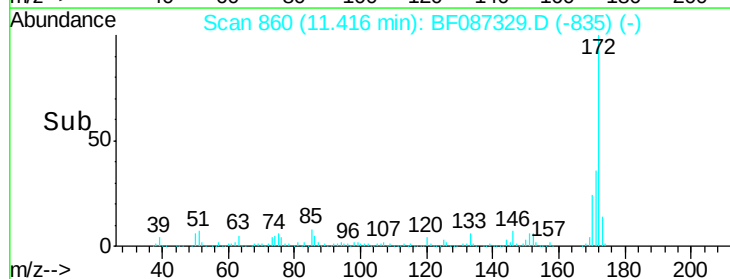
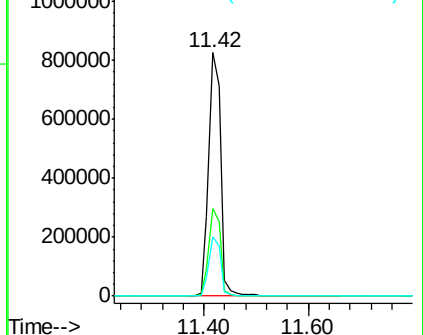
170 24.2 19.8 29.8

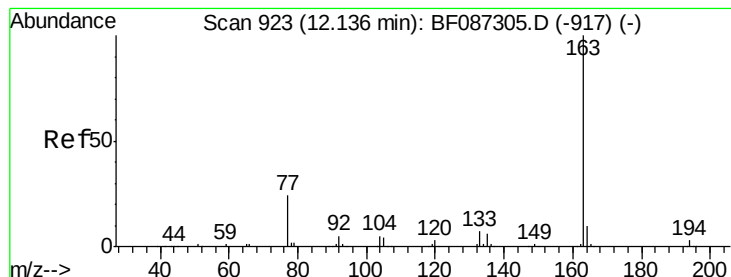


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 6.55 ng

RT: 12.11 min Scan# 921

Delta R.T. -0.02 min

Lab File: BF087329.D

Acq: 24 May 2016 7:52

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ClientSampleId :

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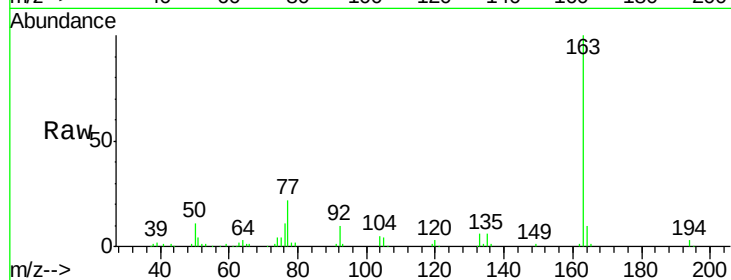
Tgt Ion:163 Resp: 164484

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

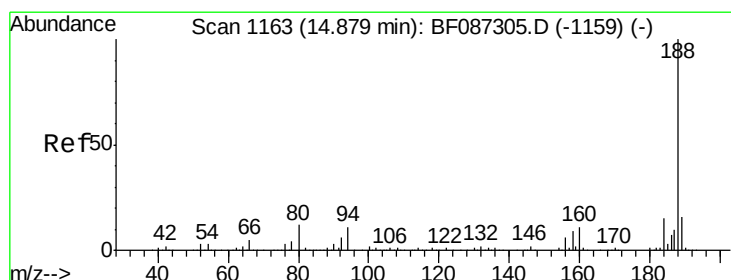
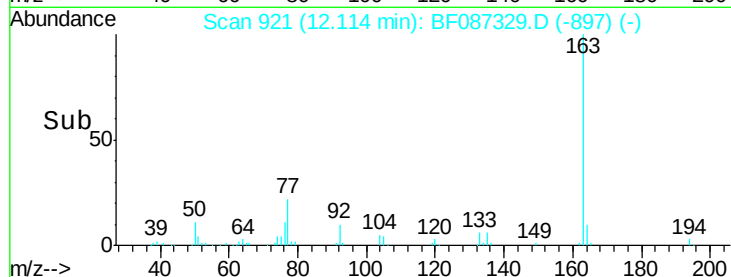
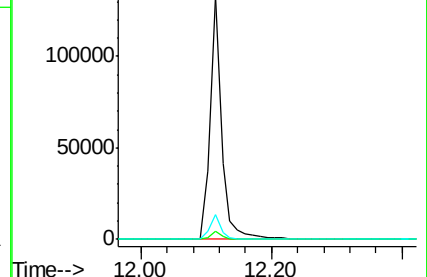
164 10.0 8.2 12.4



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: 14.88 min Scan# 1163

Delta R.T. 0.00 min

Lab File: BF087329.D

Acq: 24 May 2016 7:52

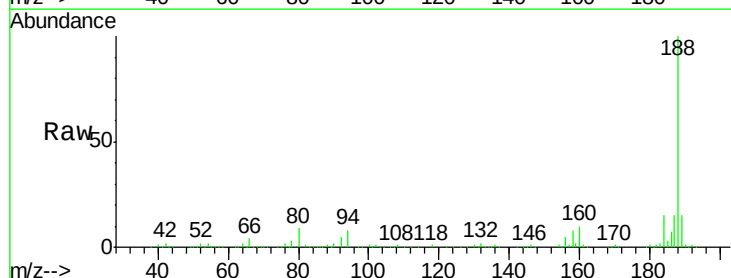
Tgt Ion:188 Resp: 574228

Ion Ratio Lower Upper

188 100

94 8.0 6.8 10.2

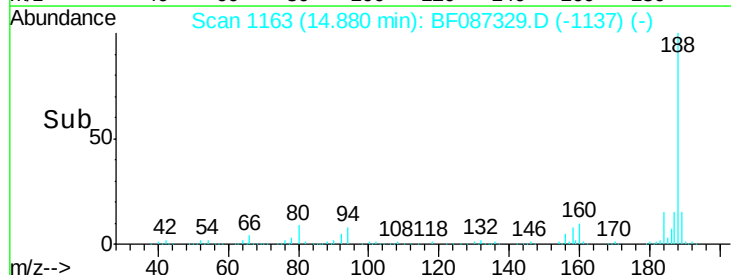
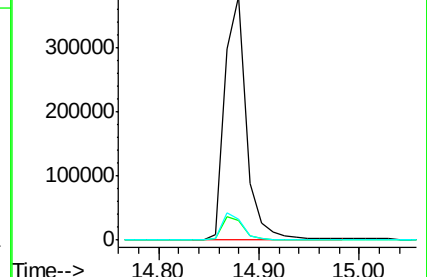
80 8.6 7.1 10.7



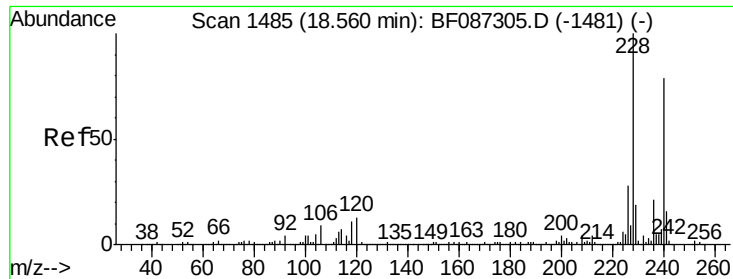
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



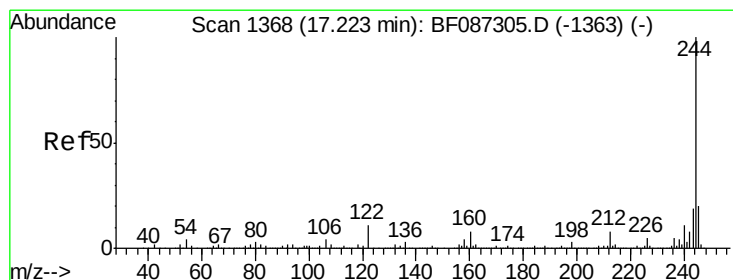
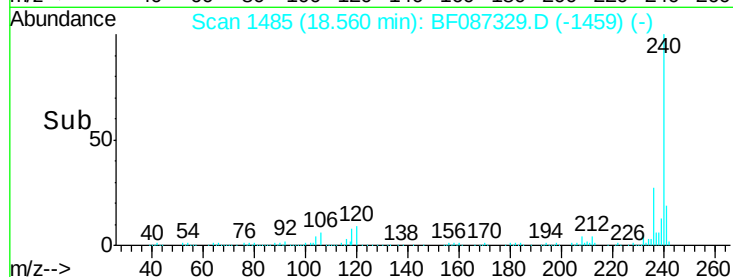
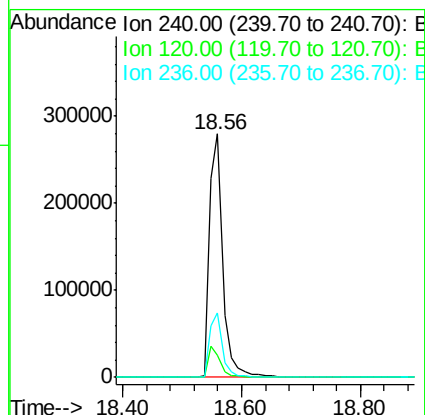
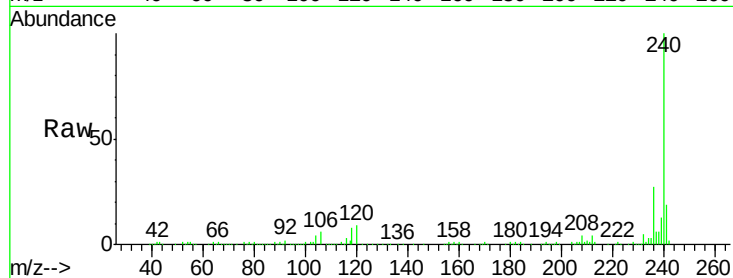




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 18.56 min Scan# 1485  
 Delta R.T. 0.00 min  
 Lab File: BF087329.D  
 Acq: 24 May 2016 7:52

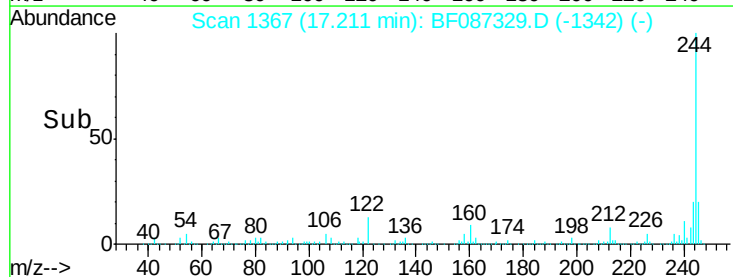
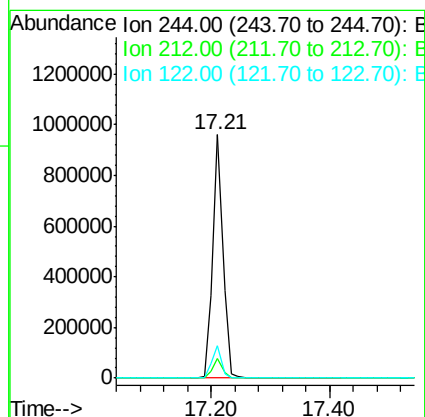
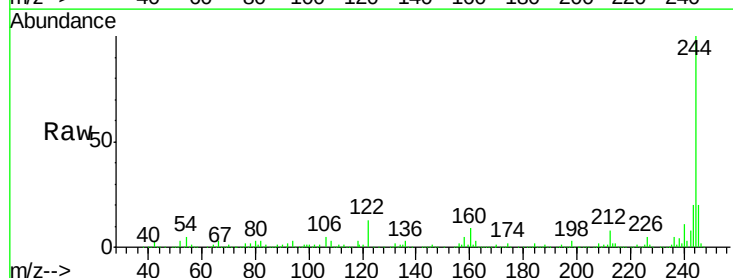
Instrument :  
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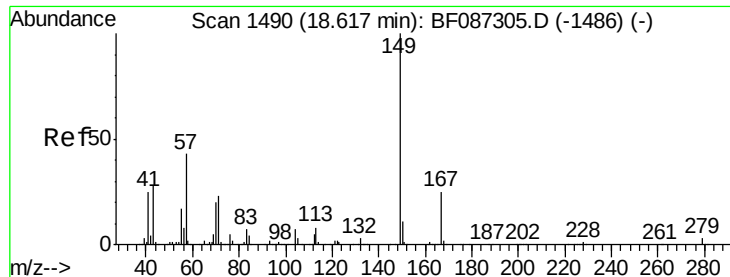
Tgt Ion:240 Resp: 435819  
 Ion Ratio Lower Upper  
 240 100  
 120 9.0 11.2 16.8#  
 236 26.6 21.2 31.8



#78  
 Terphenyl-d14  
 Concen: 56.07 ng  
 RT: 17.21 min Scan# 1367  
 Delta R.T. -0.01 min  
 Lab File: BF087329.D  
 Acq: 24 May 2016 7:52

Tgt Ion:244 Resp: 1149473  
 Ion Ratio Lower Upper  
 244 100  
 212 8.0 6.2 9.2  
 122 13.4 12.0 18.0





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.09 ng

RT: 18.61 min Scan# 1489

Delta R.T. -0.01 min

Lab File: BF087329.D

Acq: 24 May 2016 7:52

Instrument :

BNA\_F

ClientSampleId :

SB-20-COMP

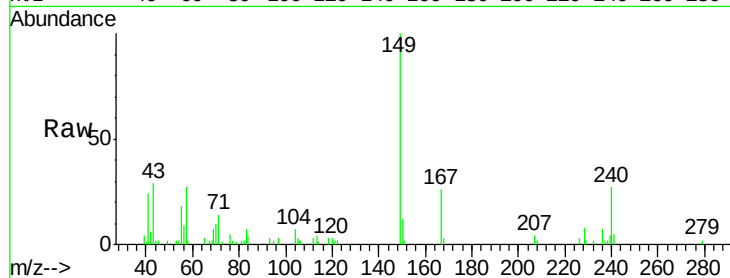
Tgt Ion:149 Resp: 42343

Ion Ratio Lower Upper

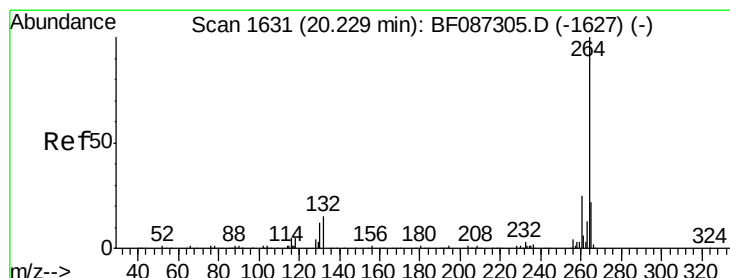
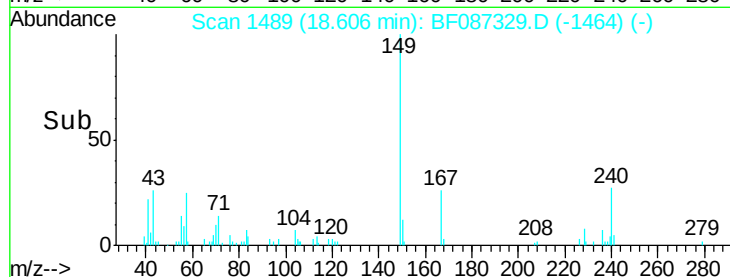
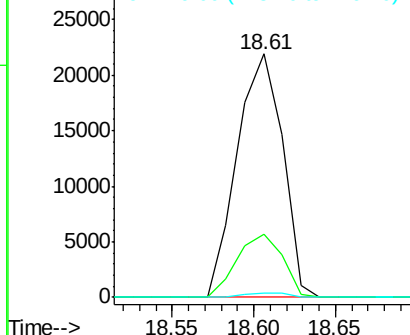
149 100

167 26.1 21.8 32.6

279 1.6 2.6 4.0#



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.22 min Scan# 1630

Delta R.T. -0.01 min

Lab File: BF087329.D

Acq: 24 May 2016 7:52

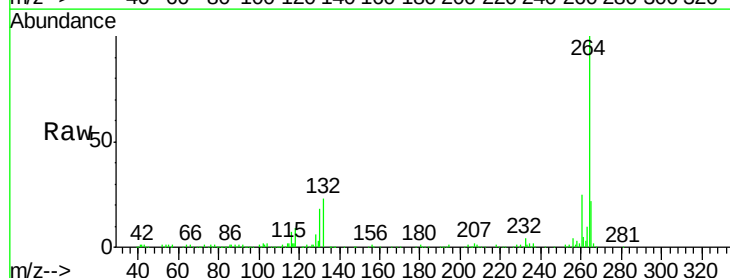
Tgt Ion:264 Resp: 313482

Ion Ratio Lower Upper

264 100

260 24.9 19.5 29.3

265 21.9 17.3 25.9



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

