

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF102715\  
 Data File : BF082555.D  
 Acq On : 27 Oct 2015 19:17  
 Operator : UM/IZ  
 Sample : G4157-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-2

Quant Time: Oct 28 00:04:34 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 27 02:43:58 2015  
 Response via : Initial Calibration

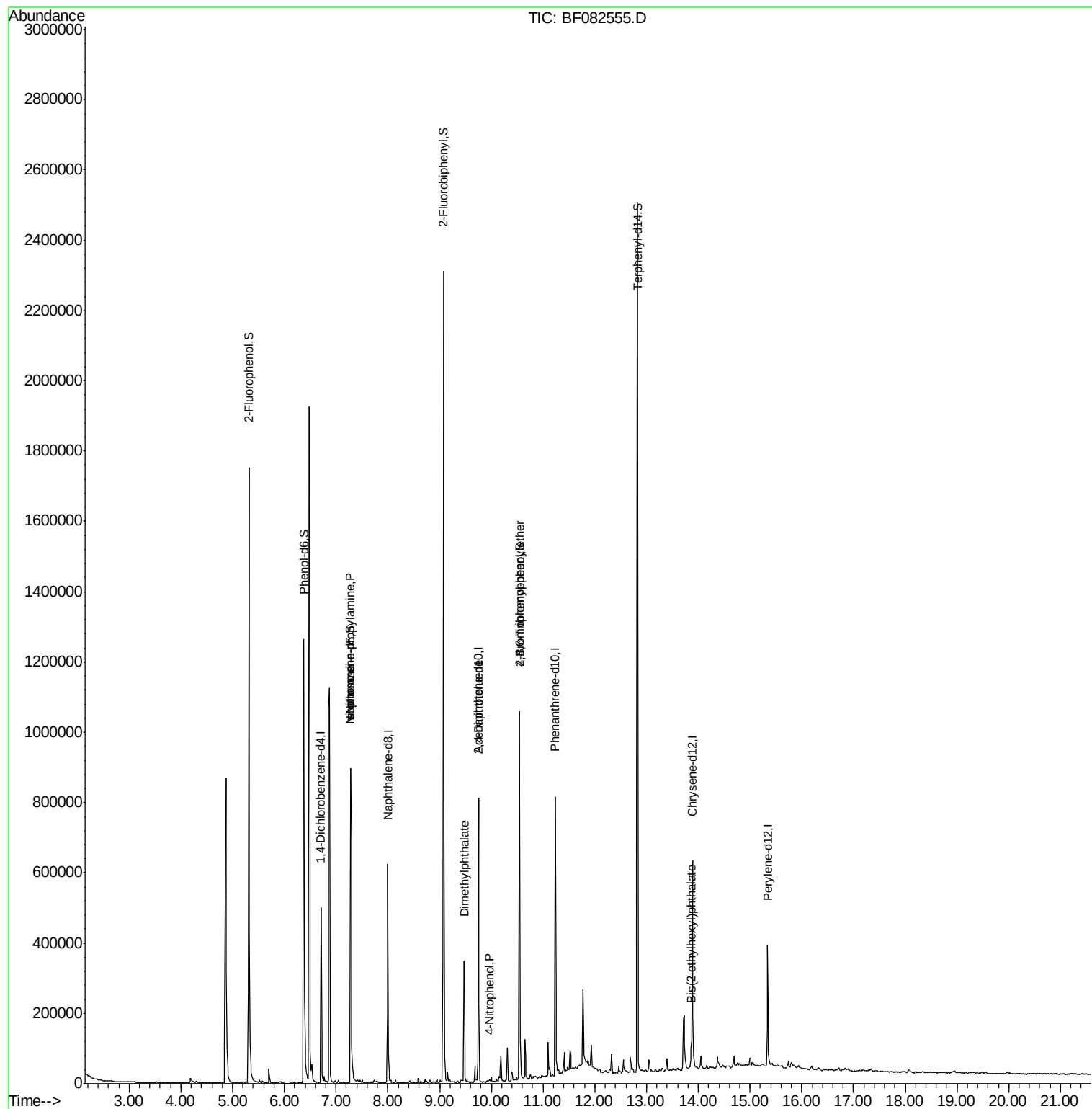
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.71  | 152  | 86371    | 20.00     | ng    | -0.02    |
| 21) Naphthalene-d8             | 8.00  | 136  | 328860   | 20.00     | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.75  | 164  | 170740   | 20.00     | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.23 | 188  | 309042   | 20.00     | ng    | -0.02    |
| 75) Chrysene-d12               | 13.89 | 240  | 229248   | 20.00     | ng    | -0.02    |
| 86) Perylene-d12               | 15.34 | 264  | 161663   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.31  | 112  | 534143   | 122.08    | ng    | 0.00     |
| 7) Phenol-d6                   | 6.38  | 99   | 736166   | 129.10    | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.28  | 82   | 432786   | 84.90     | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.55 | 330  | 167913   | 131.33    | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 9.07  | 172  | 877144   | 81.69     | ng    | -0.02    |
| 78) Terphenyl-d14              | 12.82 | 244  | 811347   | 101.96    | ng    | -0.02    |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.38  | 77   | 1411     | Below Cal | #     | 46       |
| 19) n-Nitroso-di-n-propylamine | 7.28  | 70   | 56254    | 15.14     | ng    | # 82     |
| 25) Isophorone                 | 7.28  | 82   | 416626   | 41.14     | ng    | # 64     |
| 49) Dimethylphthalate          | 9.47  | 163  | 149573   | 12.59     | ng    | 100      |
| 55) 4-Nitrophenol              | 9.97  | 139  | 310      | 6.51      | ng    | # 11     |
| 56) 2,4-Dinitrotoluene         | 9.75  | 165  | 21540    | 6.82      | ng    | # 11     |
| 66) 4-Bromophenyl-phenylether  | 10.55 | 248  | 12584    | 4.34      | ng    | # 1      |
| 83) Bis(2-ethylhexyl)phthalate | 13.86 | 149  | 19425    | 2.45      | ng    | 100      |

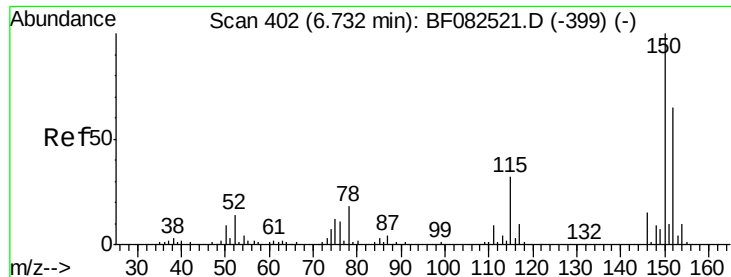
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF082555.D

Acq: 27 Oct 2015 19:17

Instrument :

BNA\_F

ClientSampleId :

SB-2

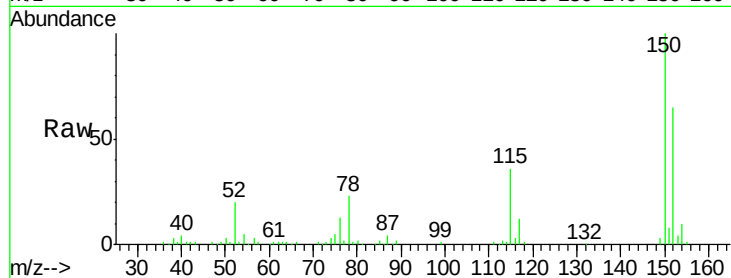
Tgt Ion:152 Resp: 86371

Ion Ratio Lower Upper

152 100

150 154.4 123.4 185.0

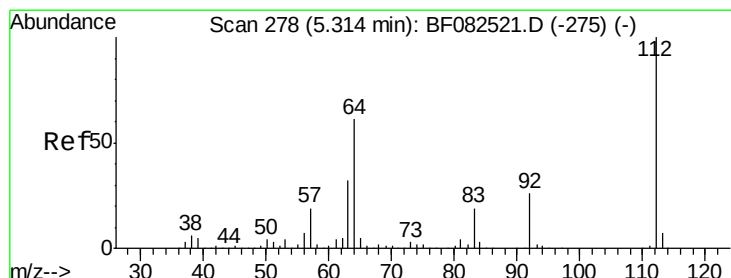
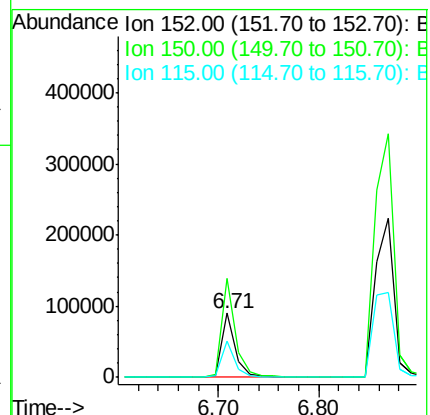
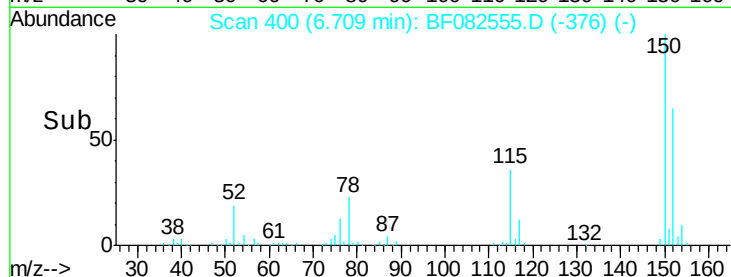
115 55.8 39.0 58.4



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: 122.08 ng

RT: 5.31 min Scan# 278

Delta R.T. 0.00 min

Lab File: BF082555.D

Acq: 27 Oct 2015 19:17

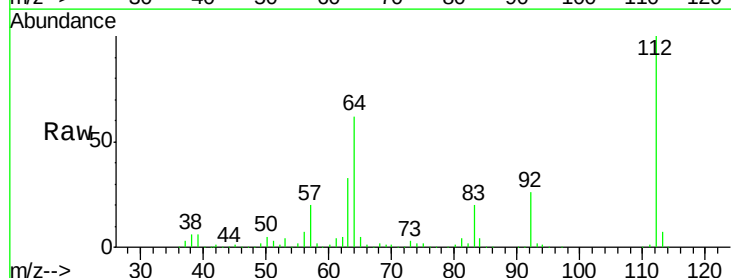
Tgt Ion:112 Resp: 534143

Ion Ratio Lower Upper

112 100

64 61.8 49.0 73.4

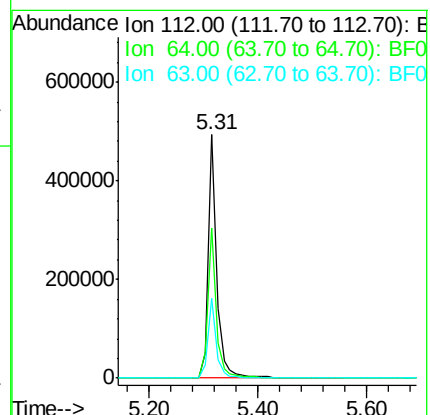
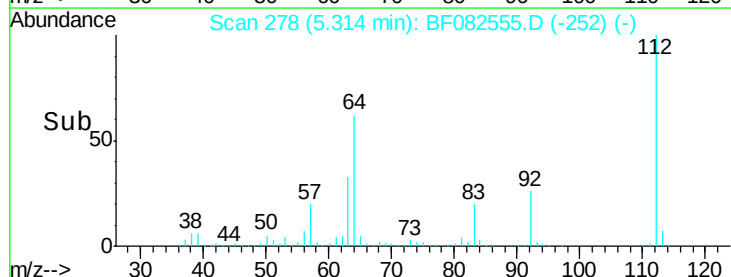
63 33.0 25.8 38.6

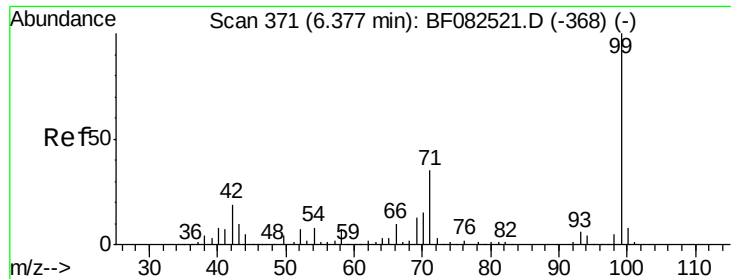


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 129.10 ng

RT: 6.38 min Scan# 371

Delta R.T. 0.00 min

Lab File: BF082555.D

Acq: 27 Oct 2015 19:17

Instrument :

BNA\_F

ClientSampleId :

SB-2

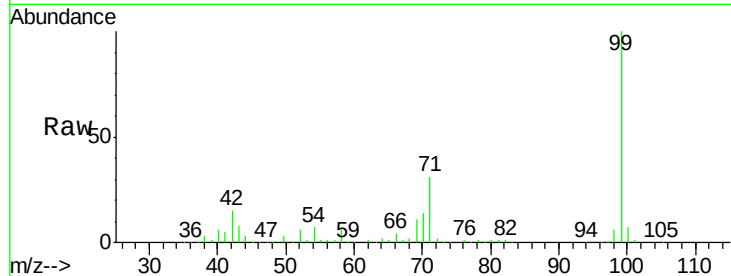
Tgt Ion: 99 Resp: 736166

Ion Ratio Lower Upper

99 100

42 15.2 15.1 22.7

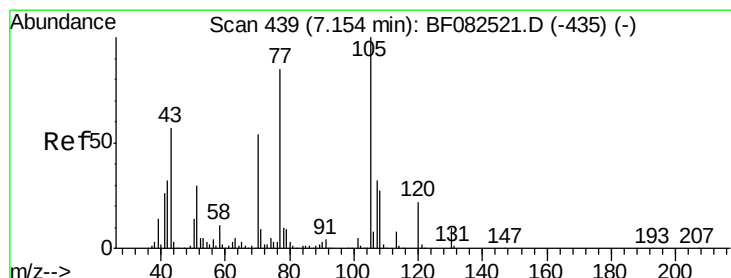
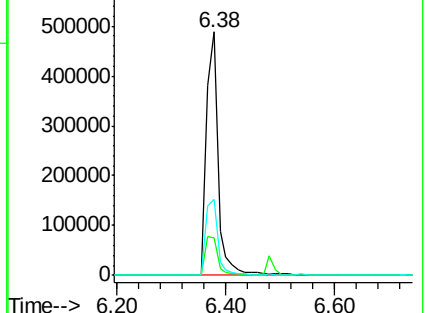
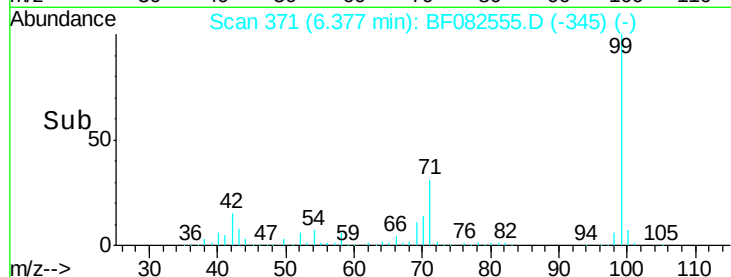
71 31.2 28.2 42.2



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: 15.14 ng

RT: 7.28 min Scan# 450

Delta R.T. 0.13 min

Lab File: BF082555.D

Acq: 27 Oct 2015 19:17

Tgt Ion: 70 Resp: 56254

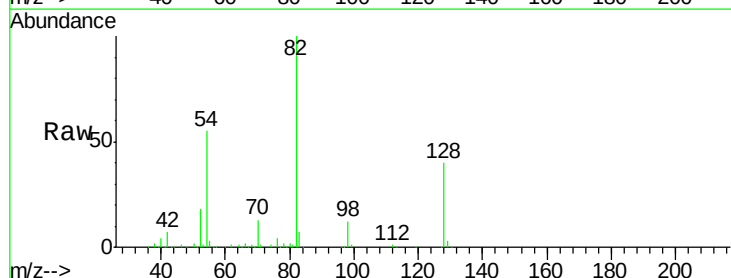
Ion Ratio Lower Upper

70 100

42 50.4 46.9 70.3

101 0.0 7.4 11.2#

130 1.4 14.2 21.4#

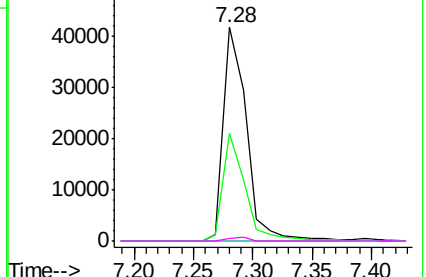
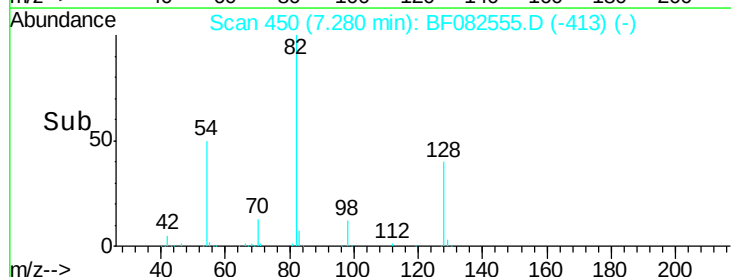


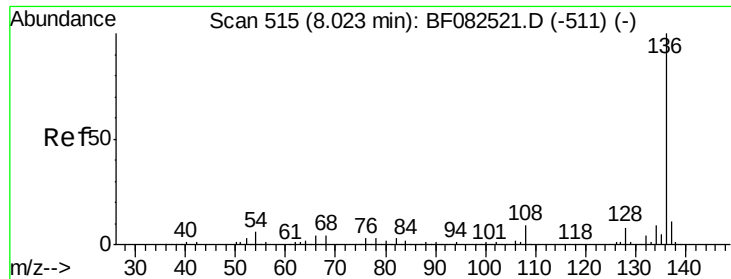
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

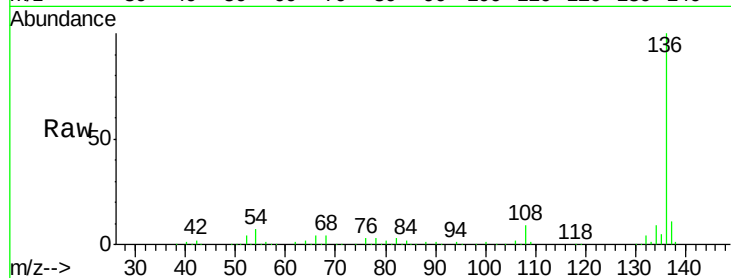




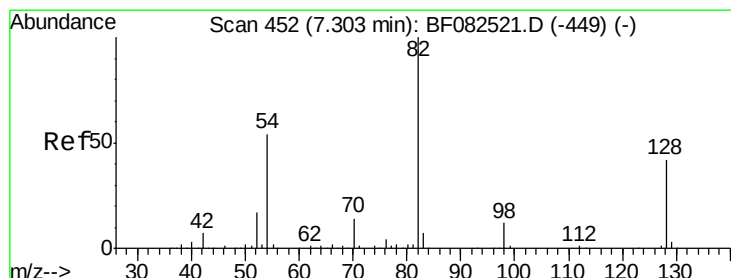
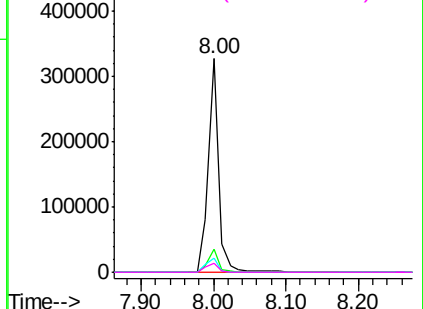
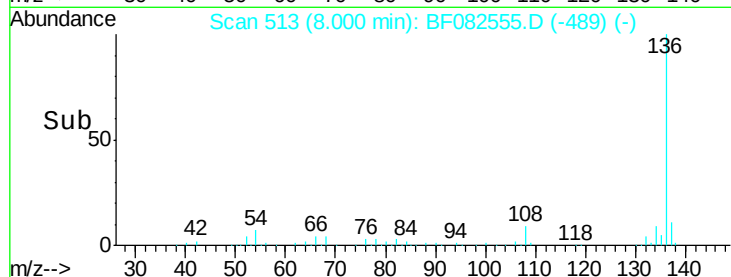
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.00 min Scan# 513  
Delta R.T. -0.02 min  
Lab File: BF082555.D  
Acq: 27 Oct 2015 19:17

Instrument :  
BNA\_F  
ClientSampleId :  
SB-2

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 328860 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 8.6   | 13.0   |
| 54       | 6.8   | 4.6   | 7.0    |
| 68       | 4.5   | 3.2   | 4.8    |

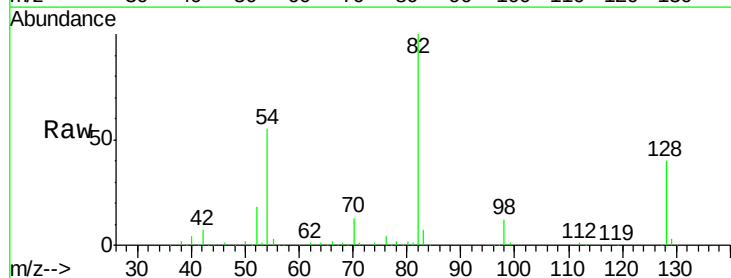


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

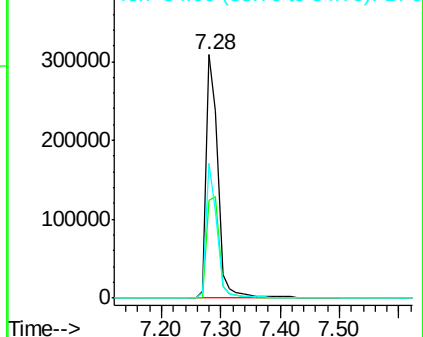
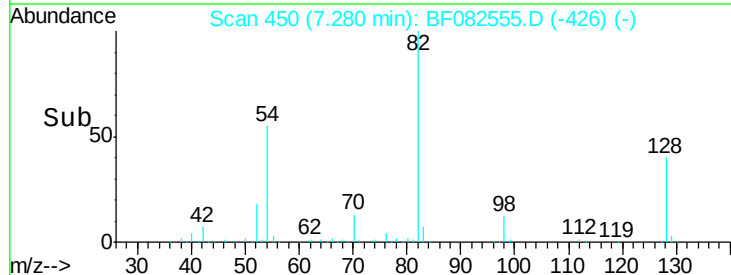


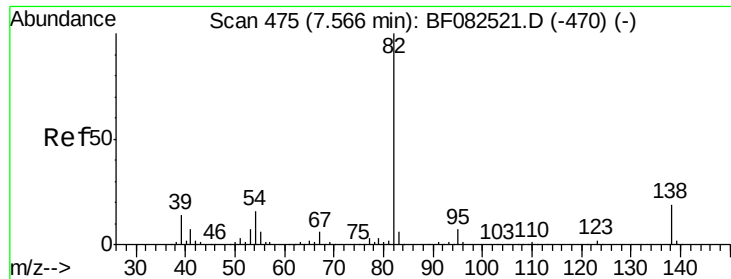
#23  
Nitrobenzene-d5  
Concen: 84.90 ng  
RT: 7.28 min Scan# 450  
Delta R.T. -0.02 min  
Lab File: BF082555.D  
Acq: 27 Oct 2015 19:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 432786 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 40.1  | 33.4  | 50.0   |
| 54       | 55.5  | 43.5  | 65.3   |



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

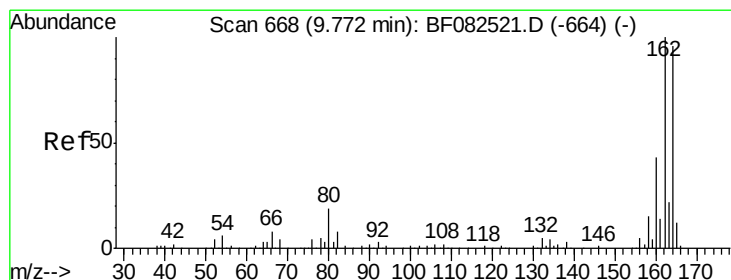
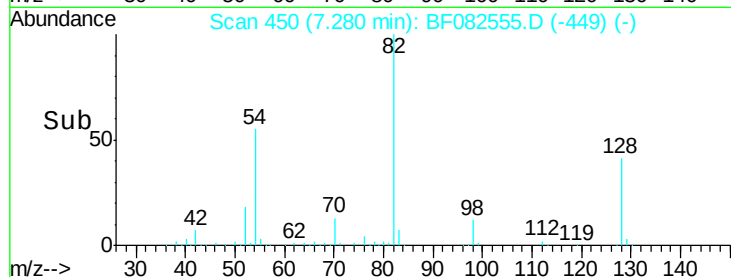
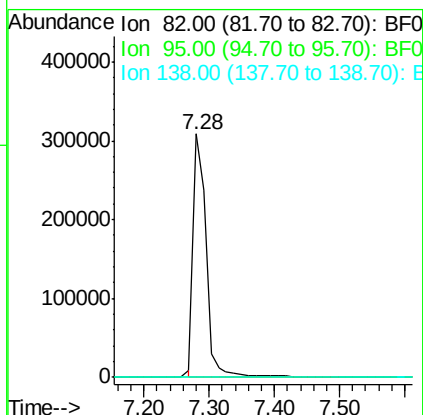
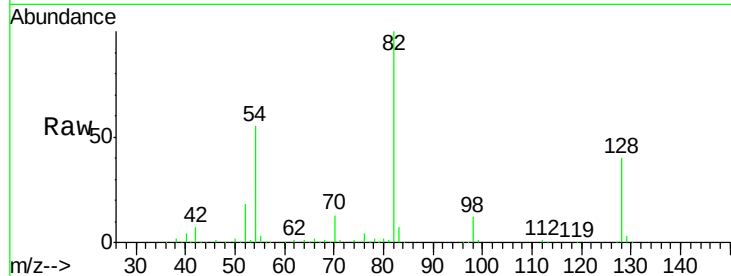




#25  
Isophorone  
Concen: 41.14 ng  
RT: 7.28 min Scan# 450  
Delta R.T. -0.29 min  
Lab File: BF082555.D  
Acq: 27 Oct 2015 19:17

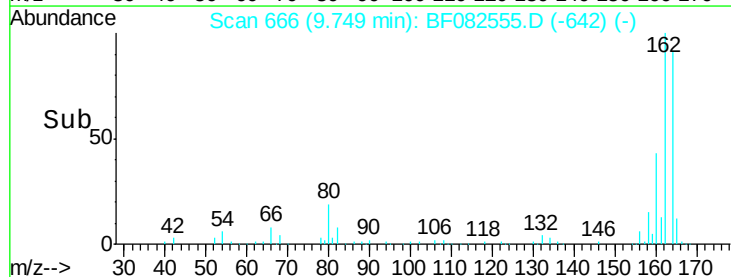
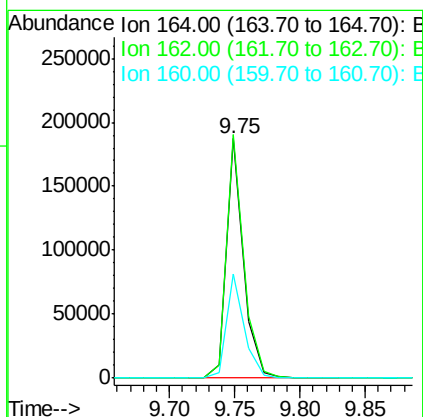
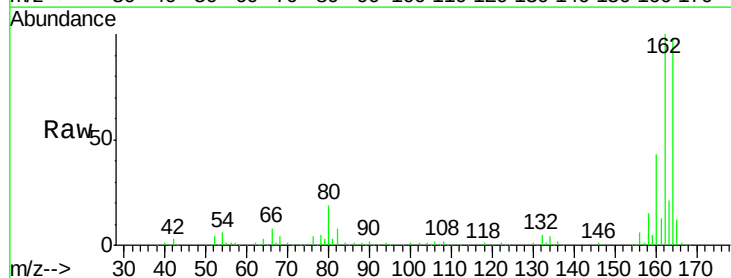
Instrument :  
BNA\_F  
ClientSampleId :  
SB-2

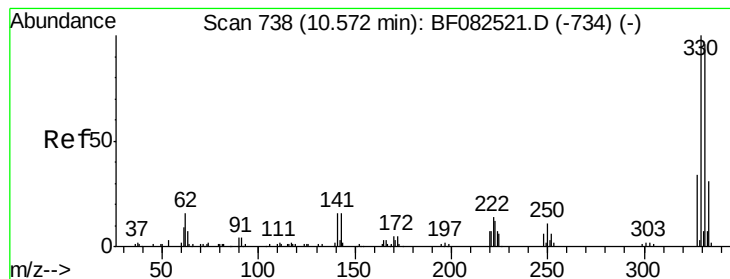
Tgt Ion: 82 Resp: 416626  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 15.0 22.4#



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.75 min Scan# 666  
Delta R.T. -0.02 min  
Lab File: BF082555.D  
Acq: 27 Oct 2015 19:17

Tgt Ion: 164 Resp: 170740  
Ion Ratio Lower Upper  
164 100  
162 101.7 83.6 125.4  
160 43.6 36.0 54.0

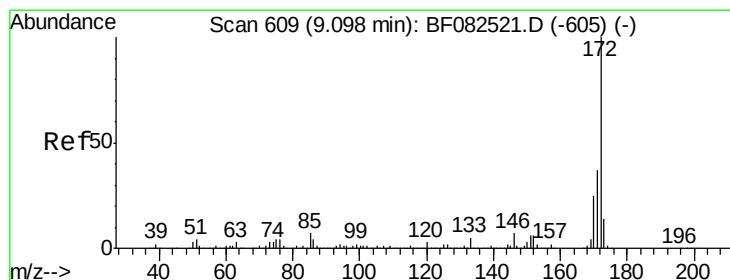
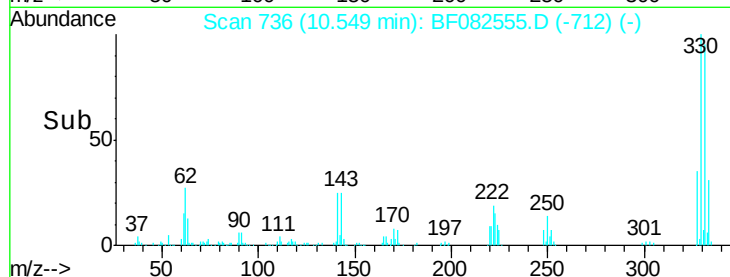
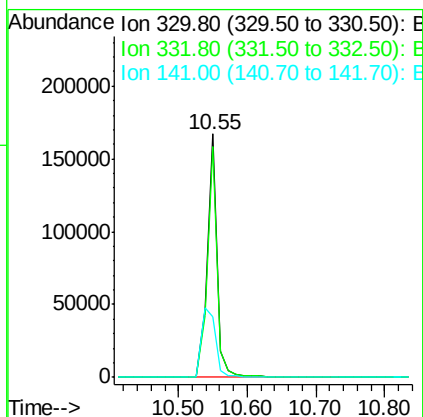
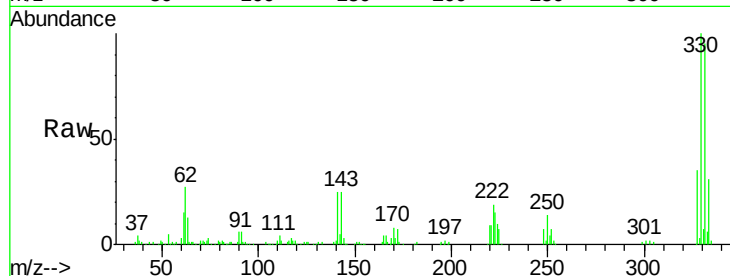




#41  
 2,4,6-Tribromophenol  
 Concen: 131.33 ng  
 RT: 10.55 min Scan# 736  
 Delta R.T. -0.02 min  
 Lab File: BF082555.D  
 Acq: 27 Oct 2015 19:17

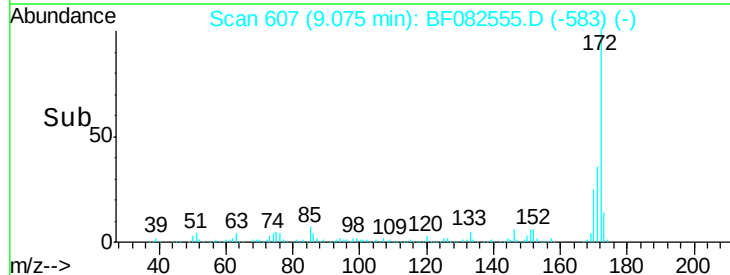
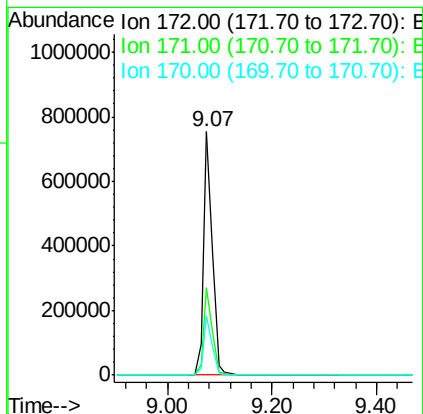
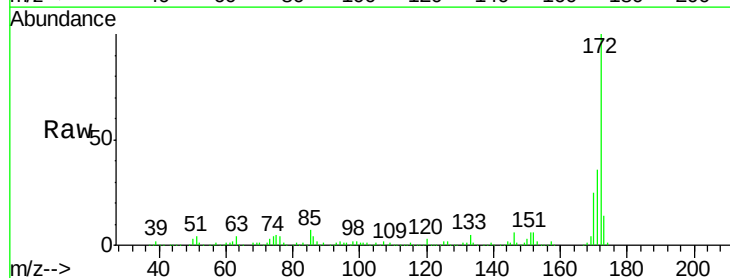
Instrument :  
 BNA\_F  
 ClientSampleId :  
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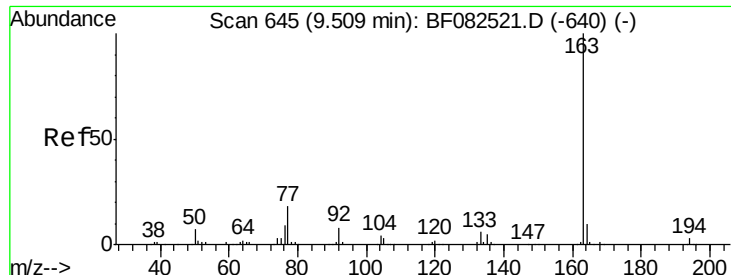
Tgt Ion:330 Resp: 167913  
 Ion Ratio Lower Upper  
 330 100  
 332 94.6 77.4 116.0  
 141 40.4 32.5 48.7



#44  
 2-Fluorobiphenyl  
 Concen: 81.69 ng  
 RT: 9.07 min Scan# 607  
 Delta R.T. -0.02 min  
 Lab File: BF082555.D  
 Acq: 27 Oct 2015 19:17

Tgt Ion:172 Resp: 877144  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 29.3 43.9  
 170 24.6 19.8 29.6





#49

Dimethylphthalate

Concen: 12.59 ng

RT: 9.47 min Scan# 642

Delta R.T. -0.03 min

Lab File: BF082555.D

Acq: 27 Oct 2015 19:17

Instrument :

BNA\_F

ClientSampleId :

SB-2

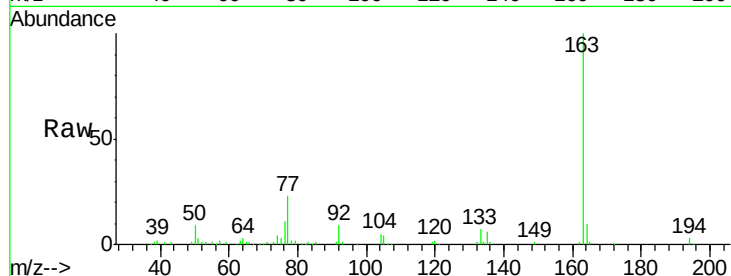
Tgt Ion:163 Resp: 149573

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

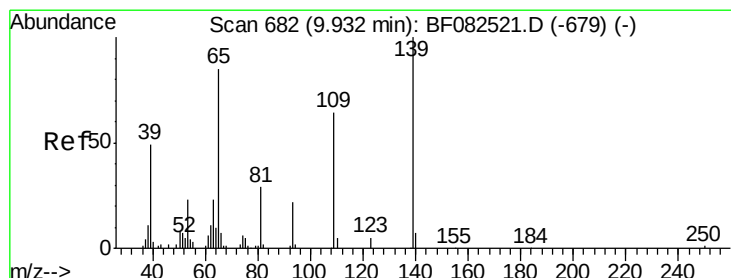
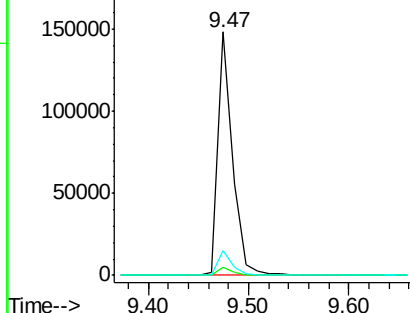
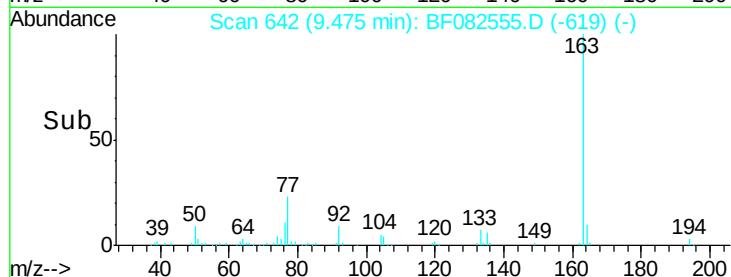
164 10.4 8.2 12.4



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



#55

4-Nitrophenol

Concen: 6.51 ng

RT: 9.97 min Scan# 685

Delta R.T. 0.04 min

Lab File: BF082555.D

Acq: 27 Oct 2015 19:17

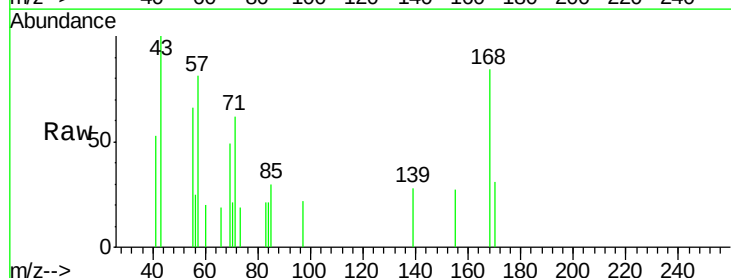
Tgt Ion:139 Resp: 310

Ion Ratio Lower Upper

139 100

109 0.0 44.2 84.2#

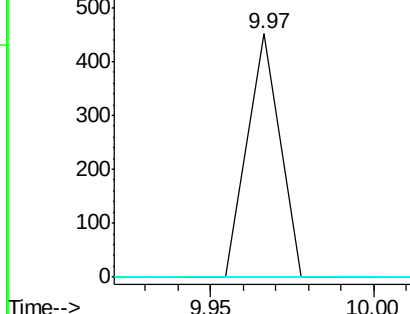
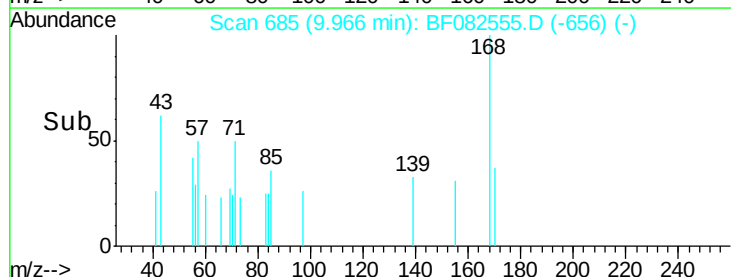
65 0.0 68.1 108.1#



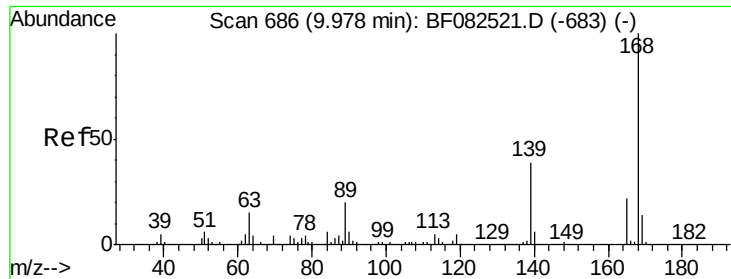
Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



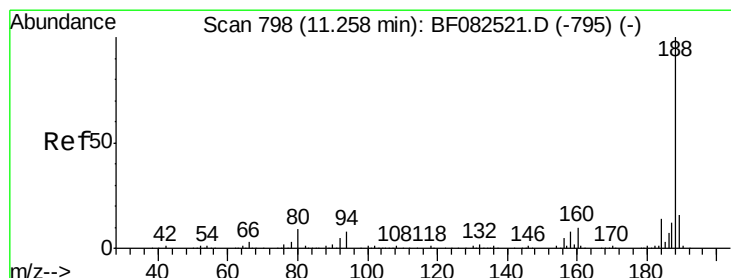
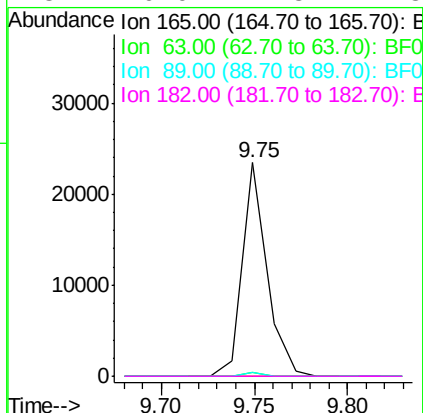
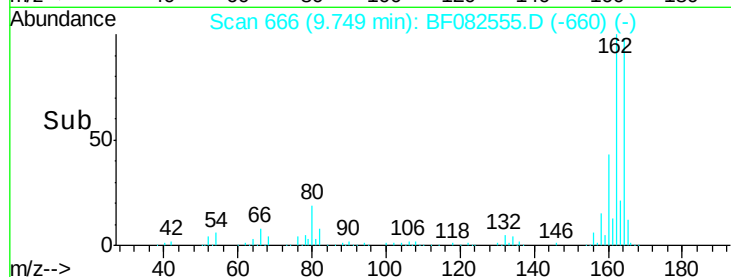
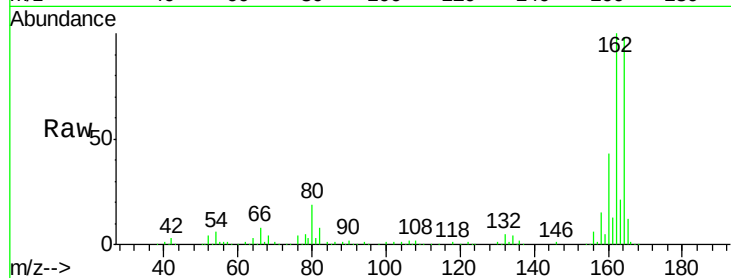




#56  
 2,4-Dinitrotoluene  
 Concen: 6.82 ng  
 RT: 9.75 min Scan# 666  
 Delta R.T. -0.23 min  
 Lab File: BF082555.D  
 Acq: 27 Oct 2015 19:17

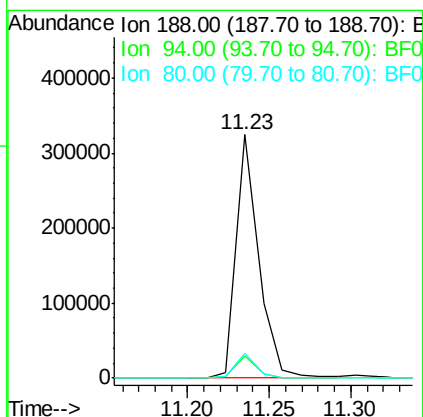
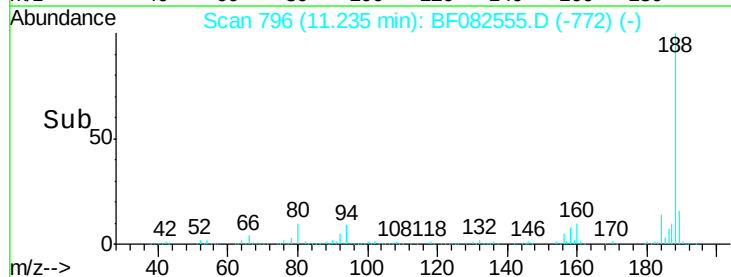
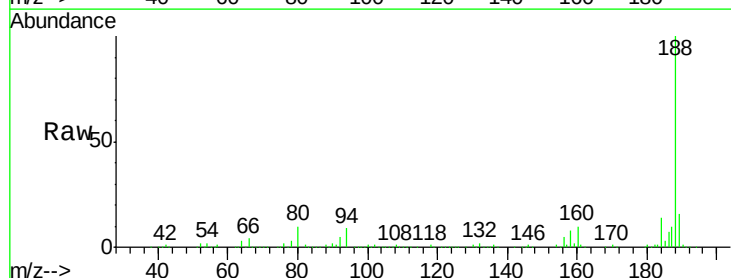
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-2

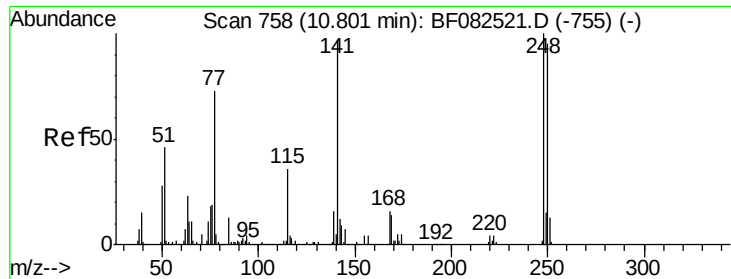
Tgt Ion:165 Resp: 21540  
 Ion Ratio Lower Upper  
 165 100  
 63 1.6 58.6 88.0#  
 89 1.6 72.3 108.5#  
 182 0.0 1.8 2.8#



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.23 min Scan# 796  
 Delta R.T. -0.02 min  
 Lab File: BF082555.D  
 Acq: 27 Oct 2015 19:17

Tgt Ion:188 Resp: 309042  
 Ion Ratio Lower Upper  
 188 100  
 94 9.1 6.4 9.6  
 80 9.9 7.0 10.6





#66

4-Bromophenyl-phenylether

Concen: 4.34 ng

RT: 10.55 min Scan# 736

Delta R.T. -0.25 min

Lab File: BF082555.D

Acq: 27 Oct 2015 19:17

Instrument :

BNA\_F

ClientSampleId :

SB-2

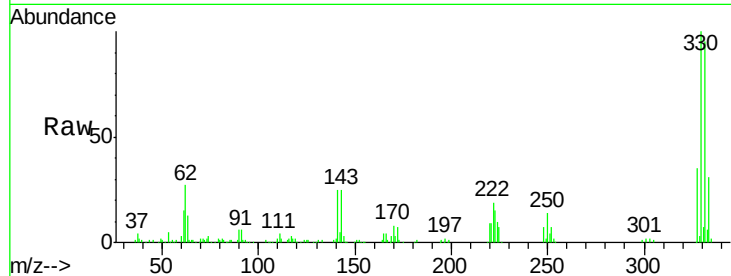
Tgt Ion:248 Resp: 12584

Ion Ratio Lower Upper

248 100

250 203.5 76.0 114.0#

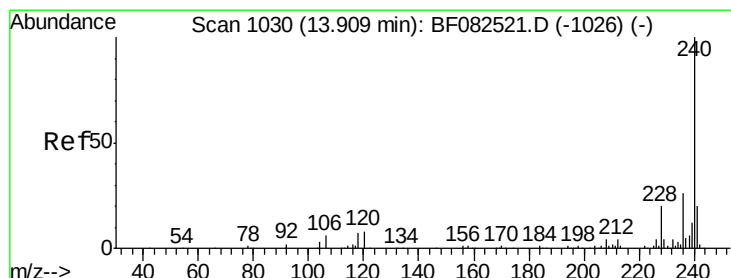
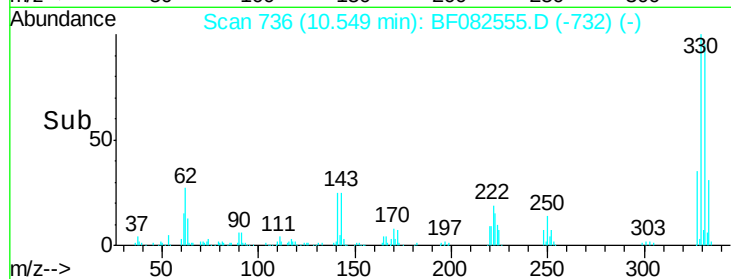
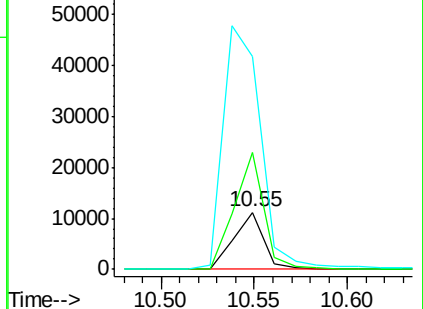
141 370.7 77.5 116.3#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1028

Delta R.T. -0.02 min

Lab File: BF082555.D

Acq: 27 Oct 2015 19:17

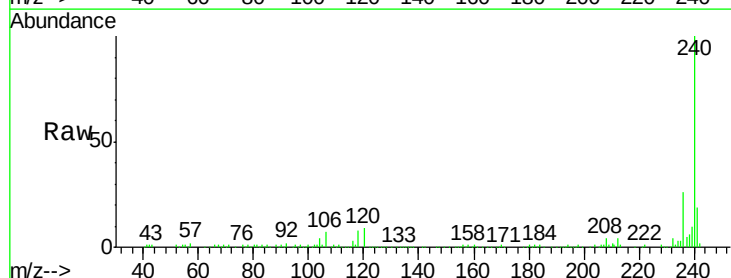
Tgt Ion:240 Resp: 229248

Ion Ratio Lower Upper

240 100

120 9.5 6.5 9.7

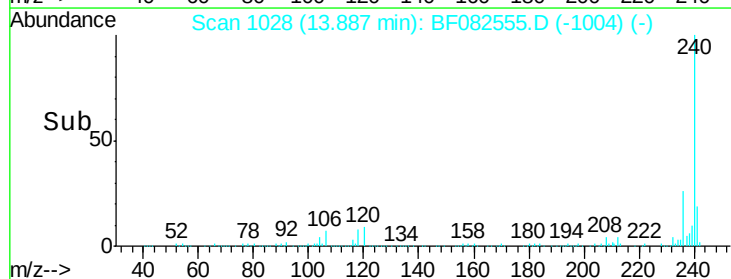
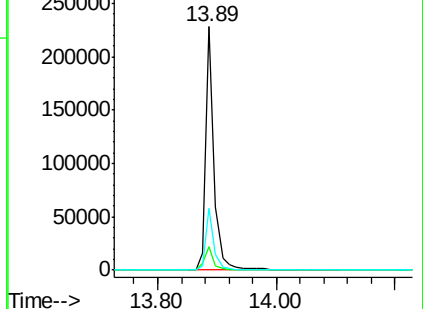
236 25.6 20.5 30.7

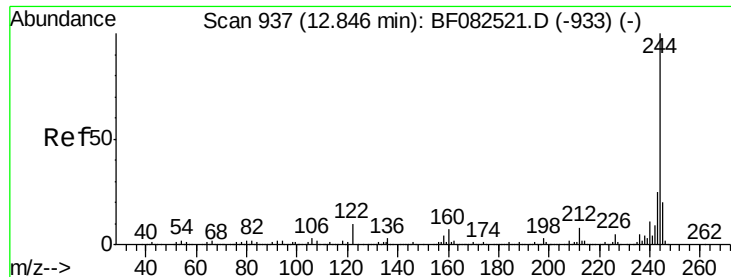


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

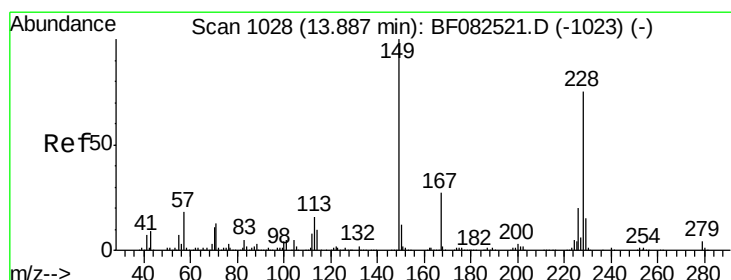
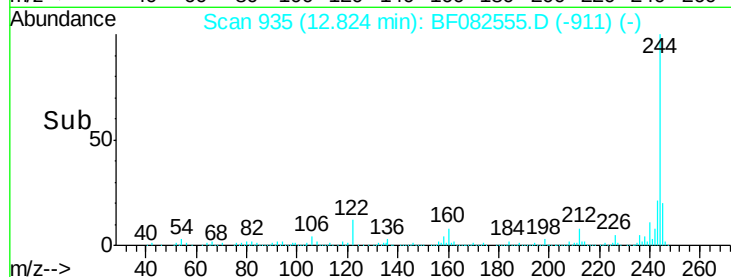
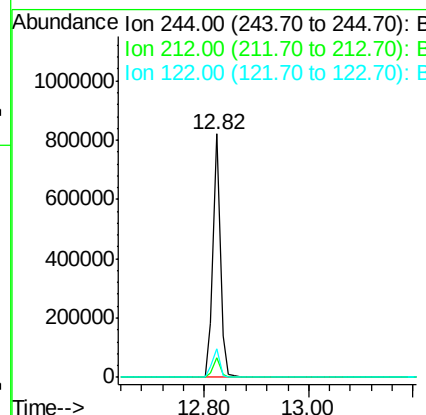
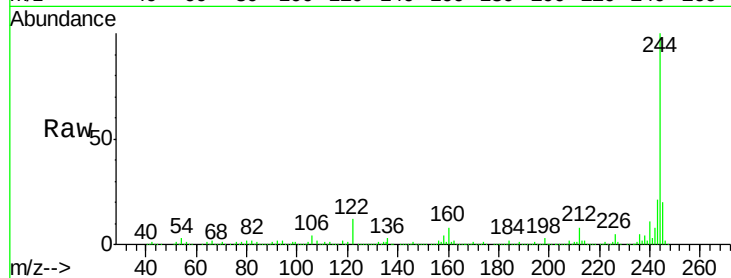




#78  
 Terphenyl-d14  
 Concen: 101.96 ng  
 RT: 12.82 min Scan# 935  
 Delta R.T. -0.02 min  
 Lab File: BF082555.D  
 Acq: 27 Oct 2015 19:17

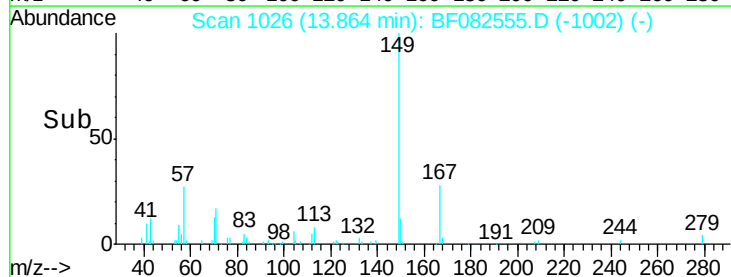
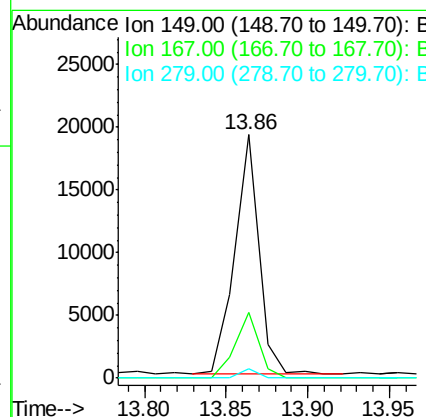
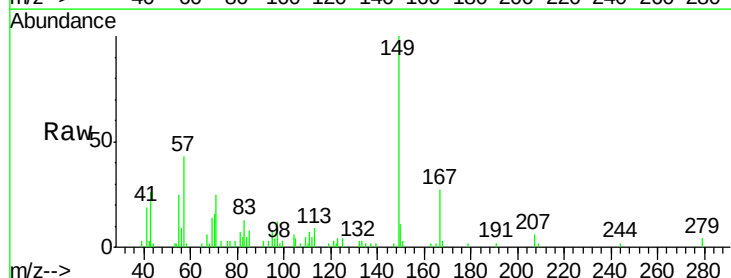
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-2

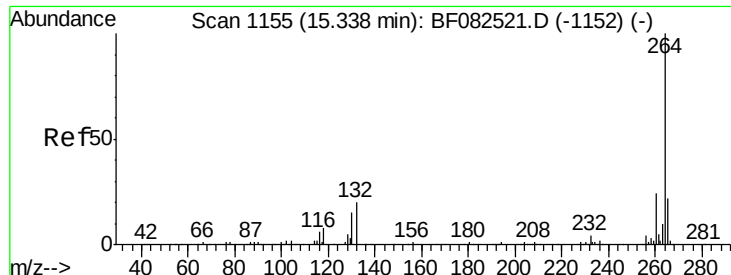
Tgt Ion:244 Resp: 811347  
 Ion Ratio Lower Upper  
 244 100  
 212 8.2 6.4 9.6  
 122 11.6 8.1 12.1



#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2.45 ng  
 RT: 13.86 min Scan# 1026  
 Delta R.T. -0.02 min  
 Lab File: BF082555.D  
 Acq: 27 Oct 2015 19:17

Tgt Ion:149 Resp: 19425  
 Ion Ratio Lower Upper  
 149 100  
 167 27.2 21.8 32.6  
 279 4.0 3.0 4.6

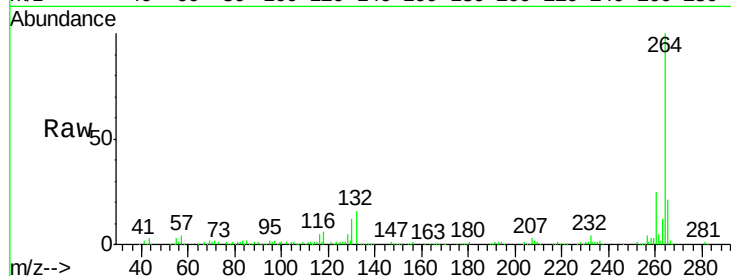




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.34 min Scan# 1155  
Delta R.T. 0.00 min  
Lab File: BF082555.D  
Acq: 27 Oct 2015 19:17

Instrument :  
BNA\_F  
ClientSampleId :  
SB-2

Tgt Ion: 264 Resp: 161663  
Ion Ratio Lower Upper  
264 100  
260 24.6 19.0 28.6  
265 21.2 17.8 26.6



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

