

Data Path : Z:\HPCHEM1\BNA F\Data\BF012615\  
 Data File : BF077087.D  
 Acq On : 27 Jan 2015 16:27  
 Operator : TP/IZ  
 Sample : G1139-11  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 28 03:06:04 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 28 02:32:53 2015  
 Response via : Initial Calibration

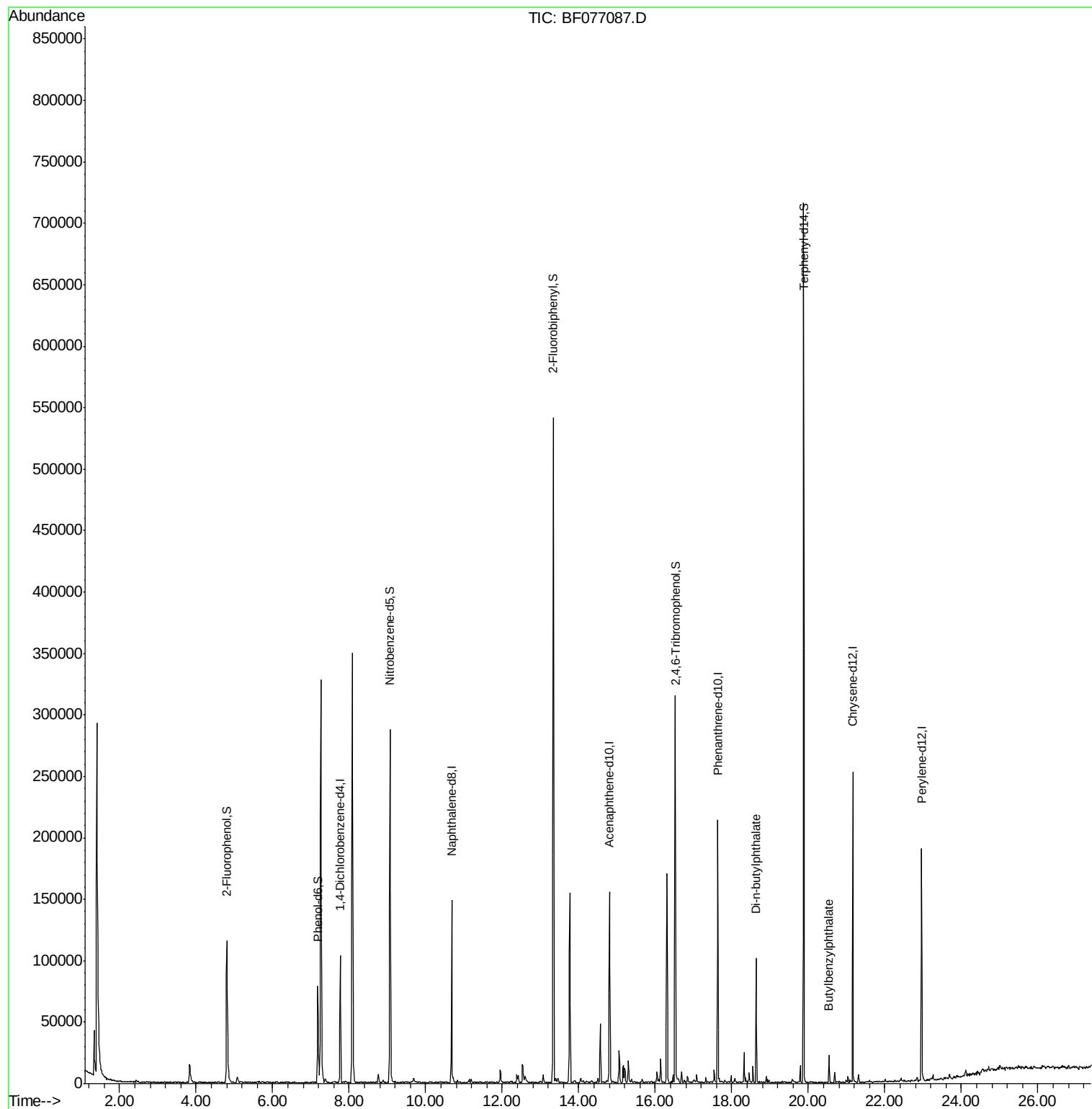
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.76  | 152  | 28216    | 20.00  | ng    | -0.02     |
| 21) Naphthalene-d8          | 10.68 | 136  | 112919   | 20.00  | ng    | -0.03     |
| 38) Acenaphthene-d10        | 14.80 | 164  | 51648    | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 17.64 | 188  | 103626   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 21.16 | 240  | 106857   | 20.00  | ng    | -0.01     |
| 86) Perylene-d12            | 22.96 | 264  | 100094   | 20.00  | ng    | 0.17      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 4.80  | 112  | 72489    | 42.24  | ng    | 0.00      |
| 7) Phenol-d6                | 7.18  | 99   | 53633    | 24.77  | ng    | -0.02     |
| 23) Nitrobenzene-d5         | 9.06  | 82   | 147606   | 72.42  | ng    | -0.02     |
| 41) 2,4,6-Tribromophenol    | 16.53 | 330  | 54189    | 129.26 | ng    | -0.01     |
| 44) 2-Fluorobiphenyl        | 13.33 | 172  | 281024   | 82.80  | ng    | 0.05      |
| 78) Terphenyl-d14           | 19.88 | 244  | 281256   | 60.59  | ng    | -0.05     |
| Target Compounds            |       |      |          |        |       |           |
| 73) Di-n-butylphthalate     | 18.63 | 149  | 66575    | 9.41   | ng    | Qvalue 98 |
| 79) Butylbenzylphthalate    | 20.54 | 149  | 7443     | 2.24   | ng    | # 65      |

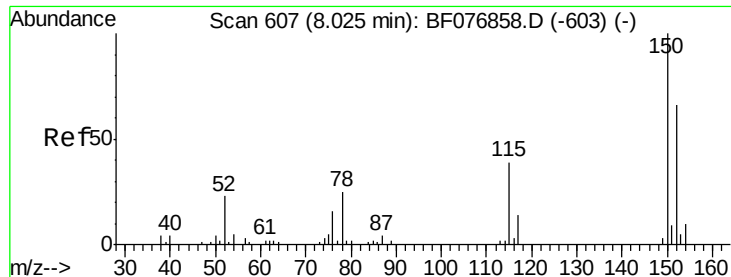
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 39 Sample Multiplier: 1

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BNA\_F  
ClientSampleId :

Quant Time: Jan 28 03:06:04 2015  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jan 28 02:32:53 2015  
Response via : Initial Calibration



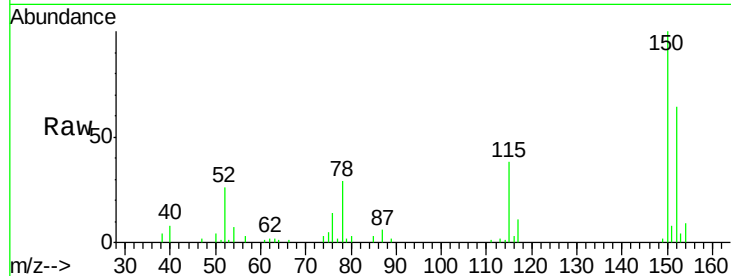


#1

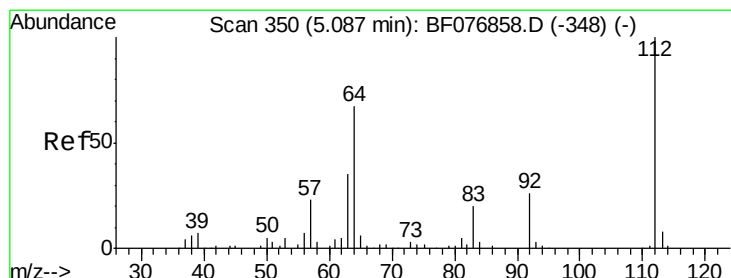
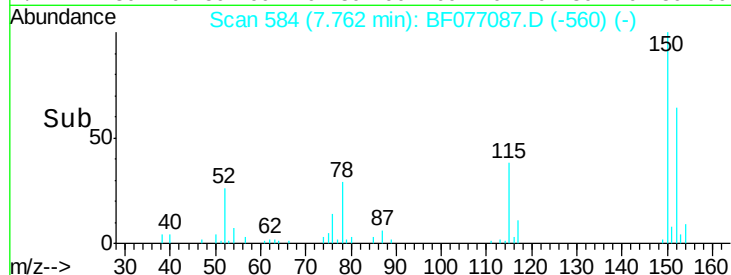
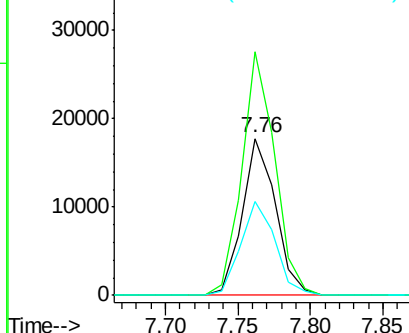
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.76 min Scan# 584  
Delta R.T. -0.02 min  
Lab File: BF077087.D  
Acq: 27 Jan 2015 16:27

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 28216  
Ion Ratio Lower Upper  
152 100  
150 155.4 121.7 182.5  
115 59.7 47.0 70.6



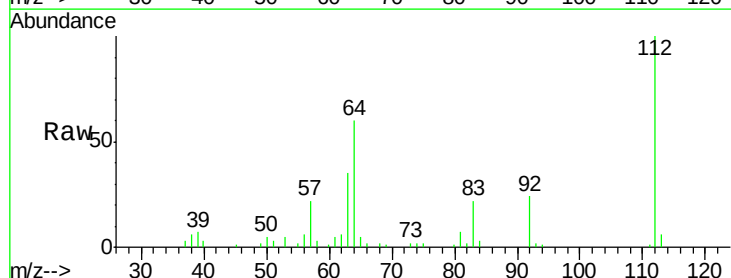
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



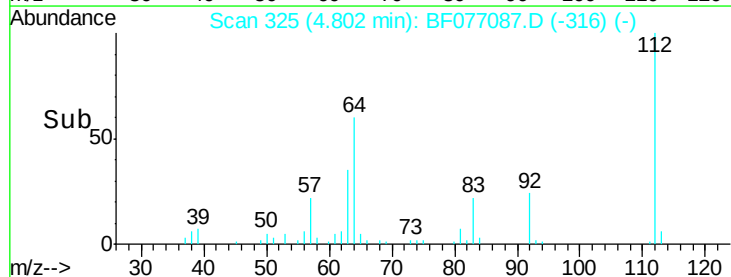
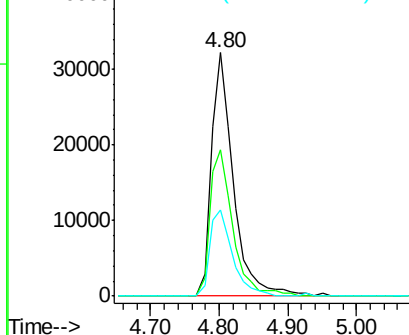
#5

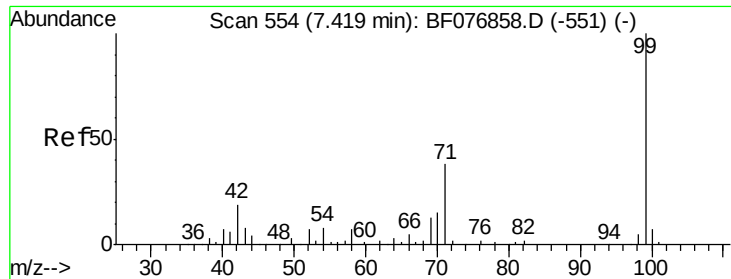
2-Fluorophenol  
Concen: 42.24 ng  
RT: 4.80 min Scan# 325  
Delta R.T. 0.00 min  
Lab File: BF077087.D  
Acq: 27 Jan 2015 16:27

Tgt Ion:112 Resp: 72489  
Ion Ratio Lower Upper  
112 100  
64 60.3 54.2 81.4  
63 35.4 28.4 42.6



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: 24.77 ng

RT: 7.18 min Scan# 533

Delta R.T. -0.02 min

Lab File: BF077087.D

Acq: 27 Jan 2015 16:27

Instrument :

BNA\_F

ClientSampled :

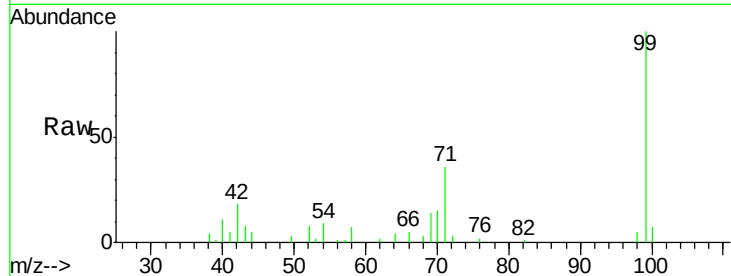
Tot Ion: 99 Resp: 53633

Ion Ratio Lower Upper

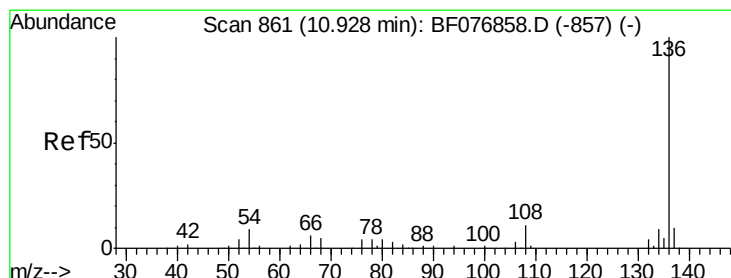
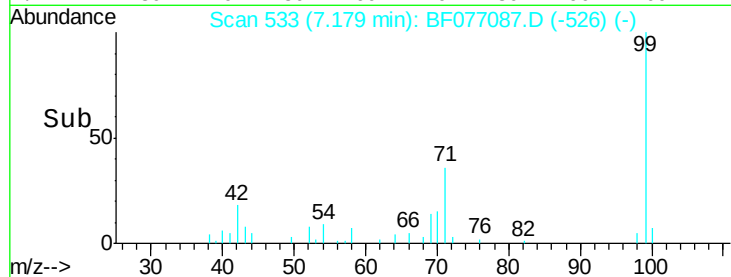
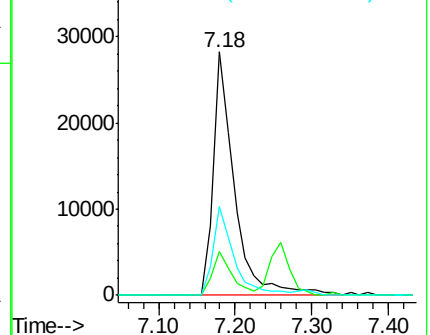
99 100

42 18.2 15.0 22.4

71 36.4 30.5 45.7



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: 10.68 min Scan# 839

Delta R.T. -0.03 min

Lab File: BF077087.D

Acq: 27 Jan 2015 16:27

Tgt Ion: 136 Resp: 112919

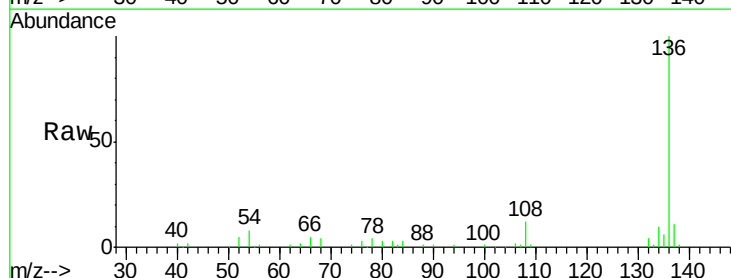
Ion Ratio Lower Upper

136 100

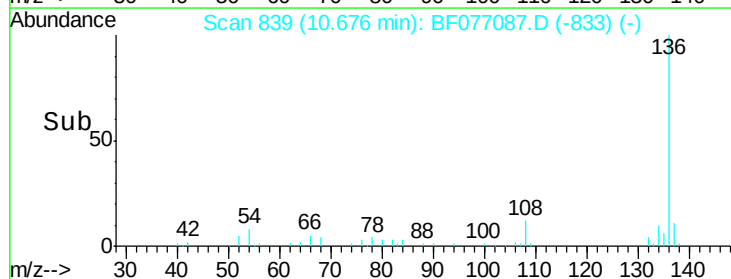
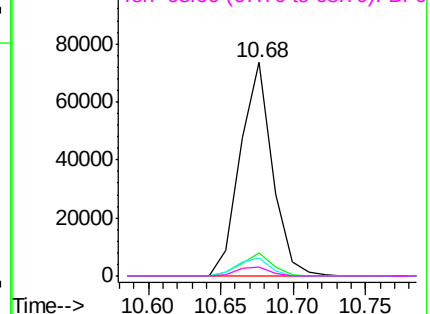
137 10.9 8.1 12.1

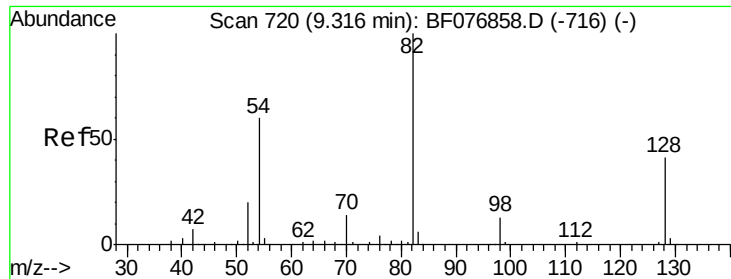
54 8.2 7.0 10.4

68 4.1 3.7 5.5



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

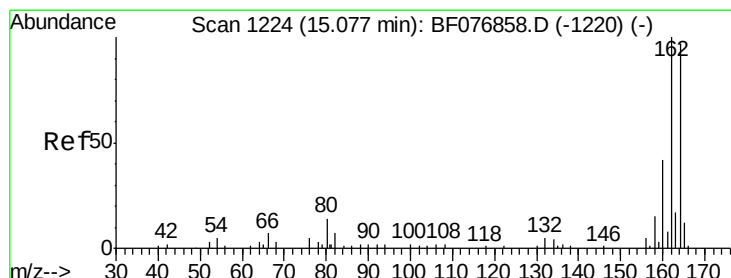
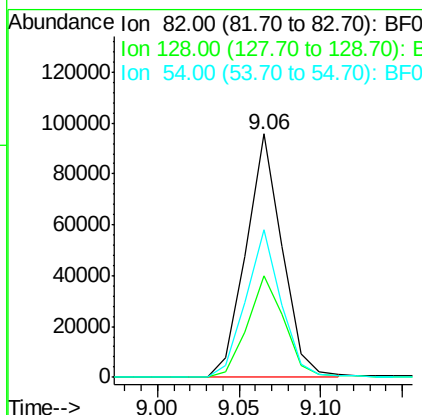
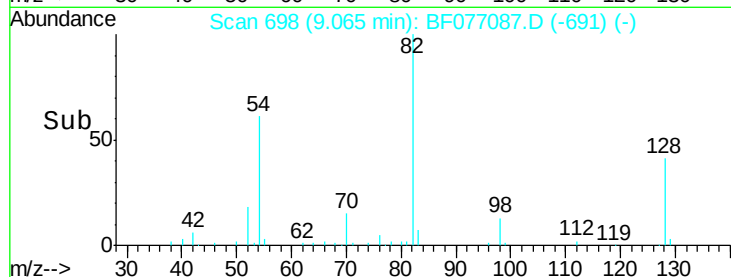
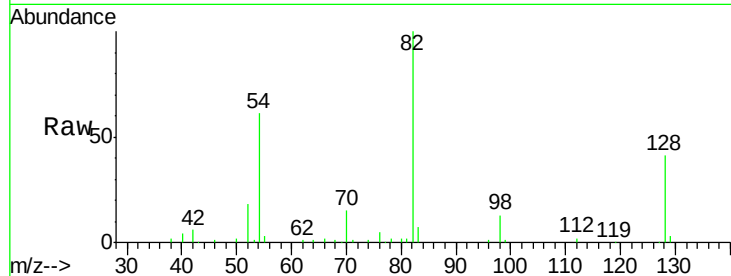




#23  
Nitrobenzene-d5  
Concen: 72.42 ng  
RT: 9.06 min Scan# 698  
Delta R.T. -0.02 min  
Lab File: BF077087.D  
Acq: 27 Jan 2015 16:27

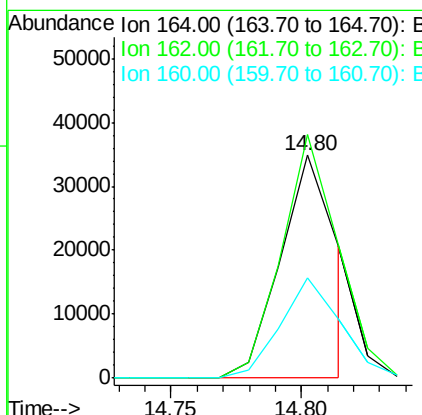
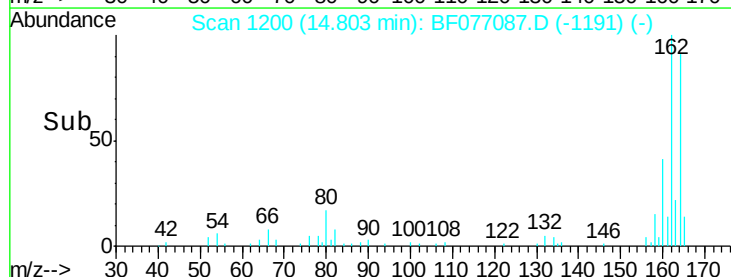
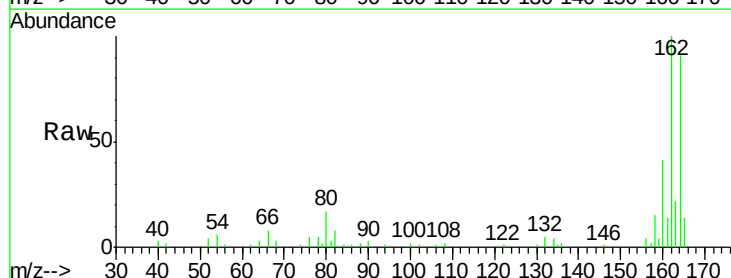
Instrument :  
BNA\_F  
ClientSampleId :

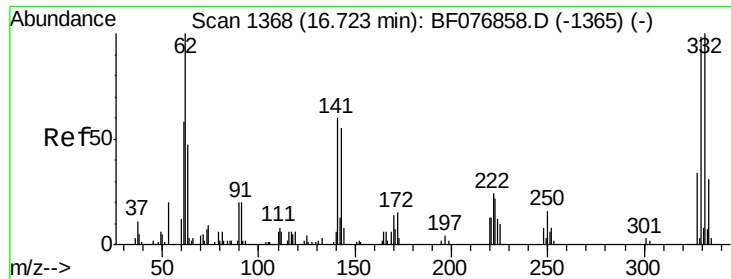
Tot Ion: 82 Resp: 147606  
Ion Ratio Lower Upper  
82 100  
128 41.5 33.1 49.7  
54 60.8 48.3 72.5



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.80 min Scan# 1200  
Delta R.T. 0.00 min  
Lab File: BF077087.D  
Acq: 27 Jan 2015 16:27

Tgt Ion:164 Resp: 51648  
Ion Ratio Lower Upper  
164 100  
162 109.4 82.4 123.6  
160 45.1 34.8 52.2

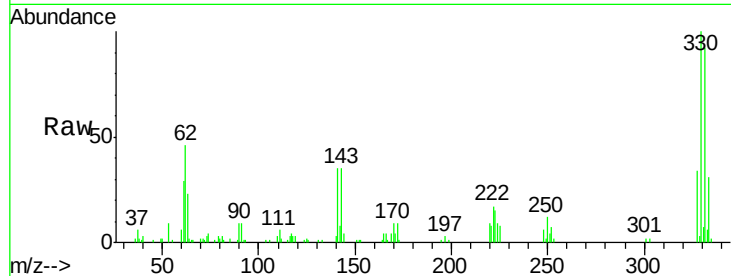




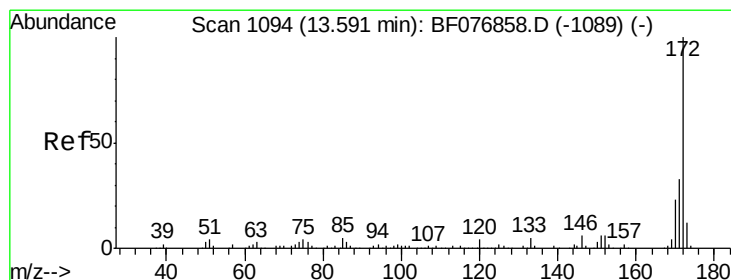
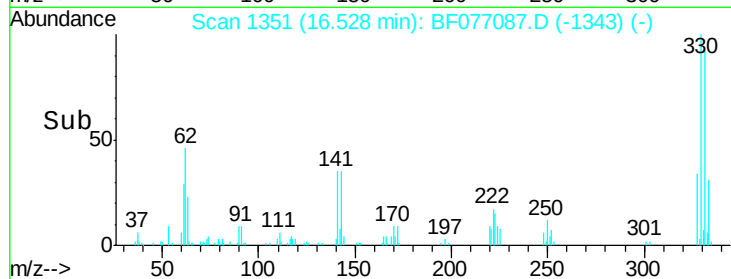
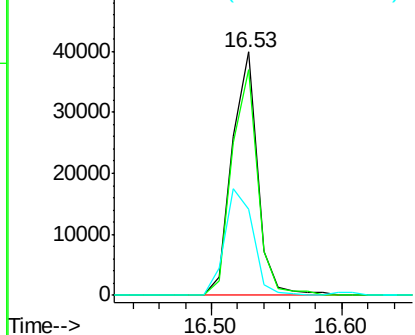
#41  
 2,4,6-Tribromophenol  
 Concen: 129.26 ng  
 RT: 16.53 min Scan# 1351  
 Delta R.T. -0.01 min  
 Lab File: BF077087.D  
 Acq: 27 Jan 2015 16:27

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 93.7  | 77.8  | 116.6 |
| 141     | 48.5  | 38.5  | 57.7  |

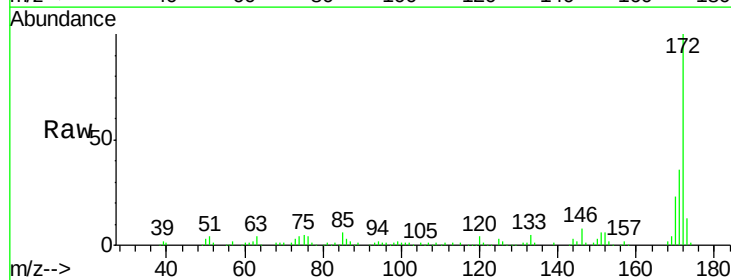


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

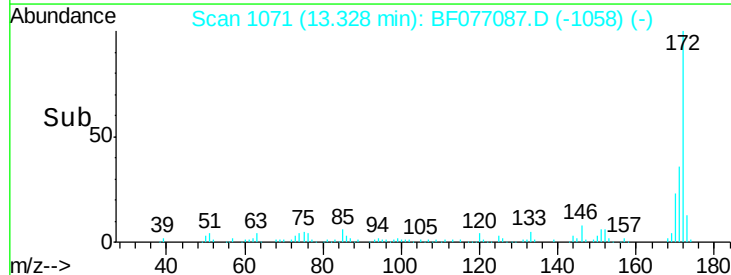
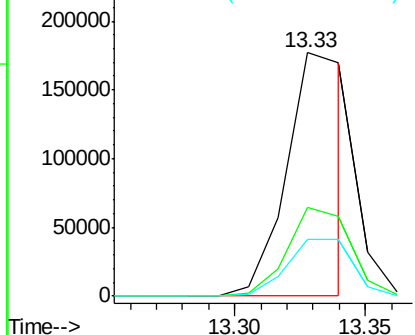


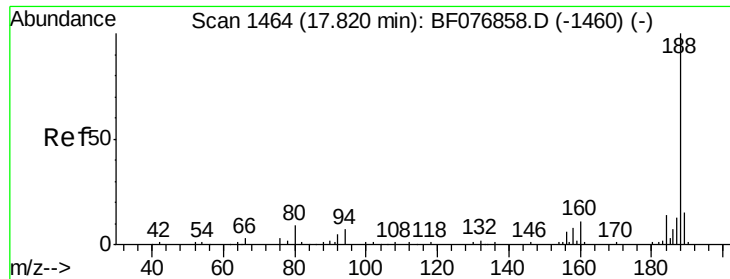
#44  
 2-Fluorobiphenyl  
 Concen: 82.80 ng  
 RT: 13.33 min Scan# 1071  
 Delta R.T. 0.05 min  
 Lab File: BF077087.D  
 Acq: 27 Jan 2015 16:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 26.6  | 40.0  |
| 170     | 23.1  | 18.0  | 27.0  |



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

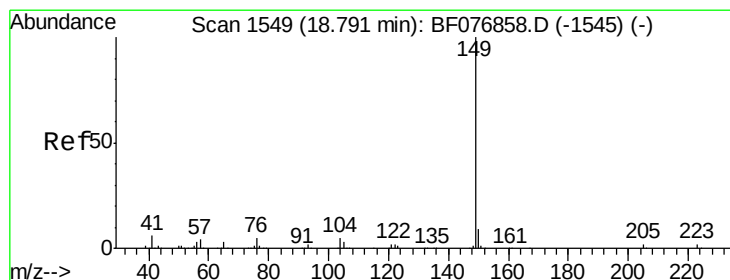
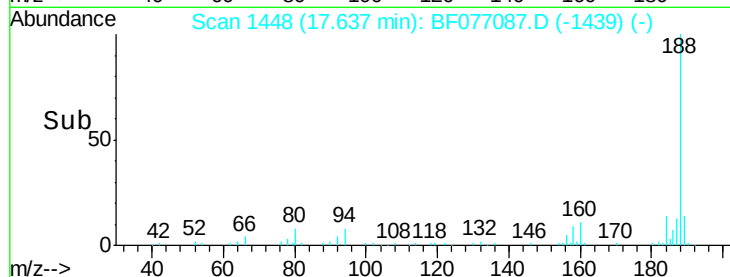
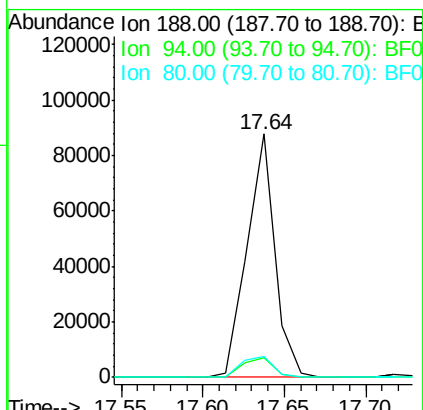
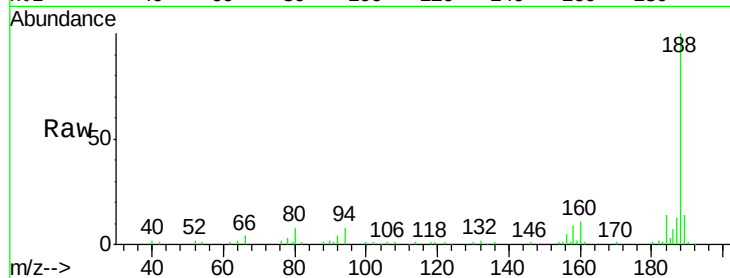




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.64 min Scan# 1448  
 Delta R.T. 0.00 min  
 Lab File: BF077087.D  
 Acq: 27 Jan 2015 16:27

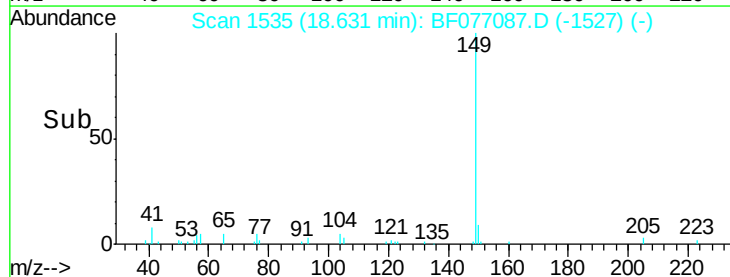
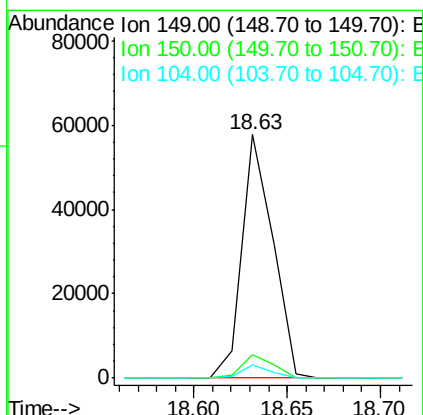
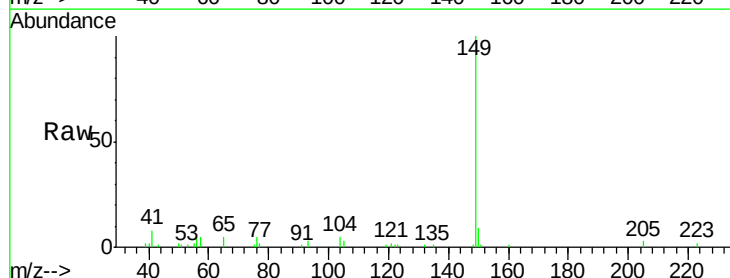
Instrument :  
 BNA\_F  
 ClientSampled :

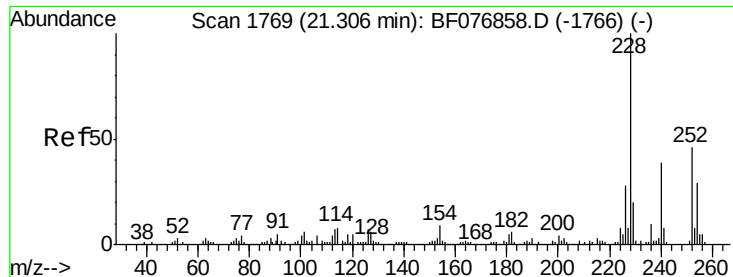
Tot Ion:188 Resp: 103626  
 Ion Ratio Lower Upper  
 188 100  
 94 8.3 6.0 9.0  
 80 8.5 6.9 10.3



#73  
 Di-n-butylphthalate  
 Concen: 9.41 ng  
 RT: 18.63 min Scan# 1535  
 Delta R.T. -0.01 min  
 Lab File: BF077087.D  
 Acq: 27 Jan 2015 16:27

Tgt Ion:149 Resp: 66575  
 Ion Ratio Lower Upper  
 149 100  
 150 9.4 6.9 10.3  
 104 5.3 3.7 5.5

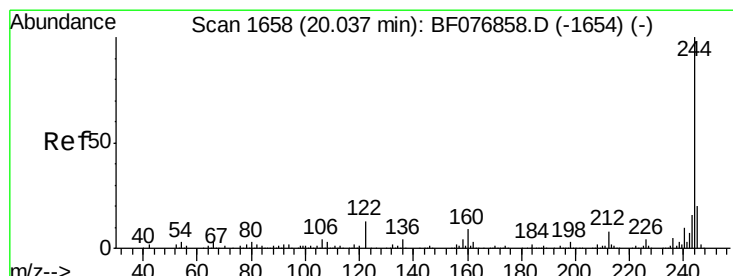
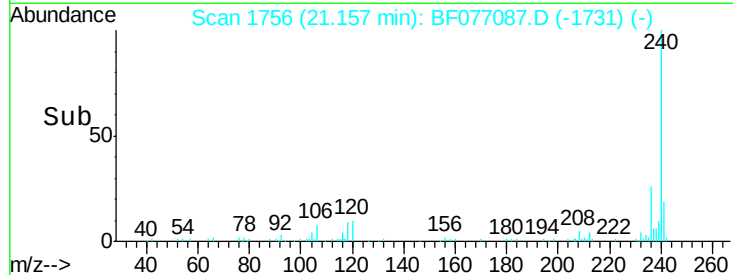
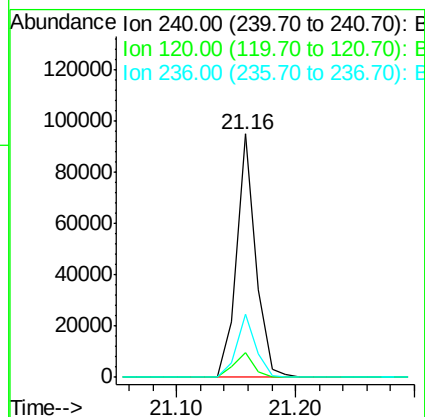
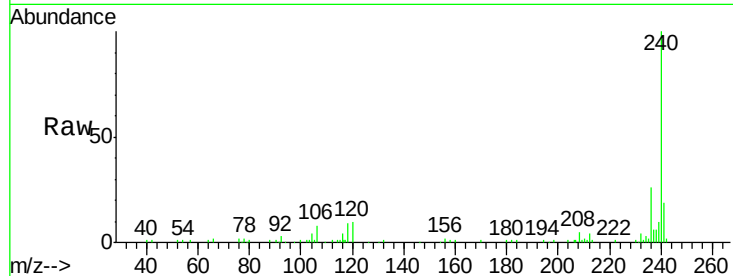




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.16 min Scan# 1756  
Delta R.T. -0.01 min  
Lab File: BF077087.D  
Acq: 27 Jan 2015 16:27

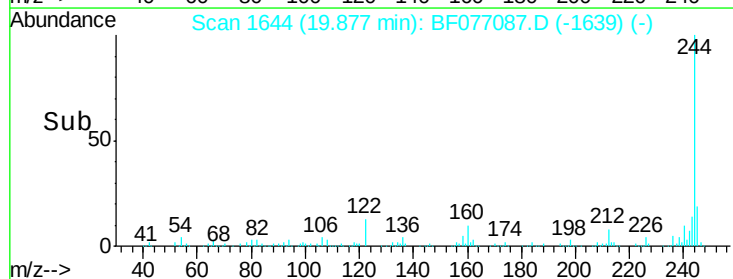
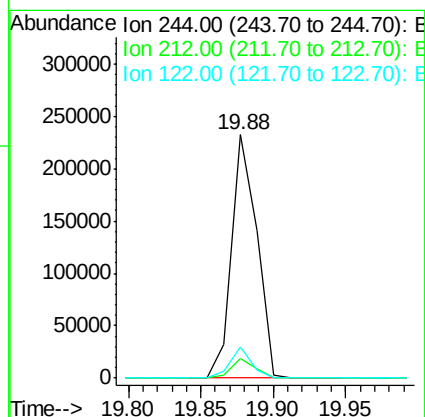
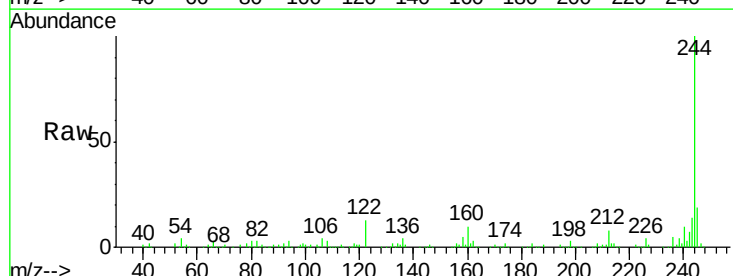
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:240 Resp: 106857  
Ion Ratio Lower Upper  
240 100  
120 10.1 10.4 15.6#  
236 25.7 20.2 30.2

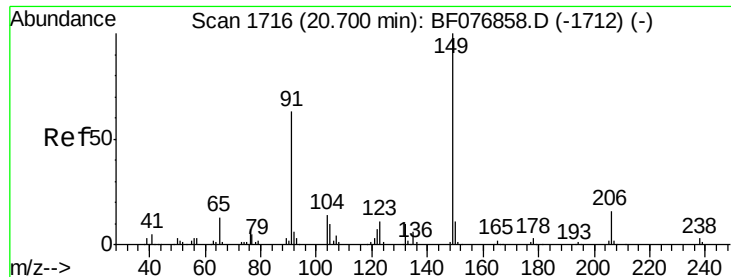


#78  
Terphenyl-d14  
Concen: 60.59 ng  
RT: 19.88 min Scan# 1644  
Delta R.T. -0.05 min  
Lab File: BF077087.D  
Acq: 27 Jan 2015 16:27

Tgt Ion:244 Resp: 281256  
Ion Ratio Lower Upper  
244 100  
212 8.0 6.3 9.5  
122 12.7 10.1 15.1



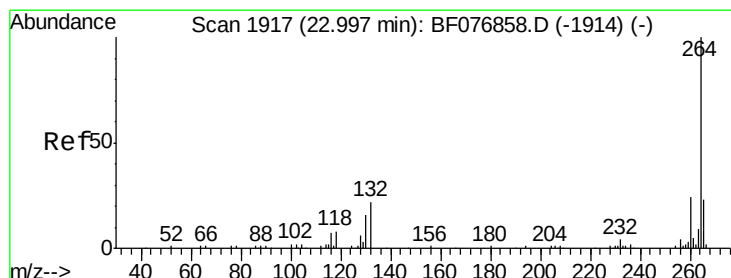
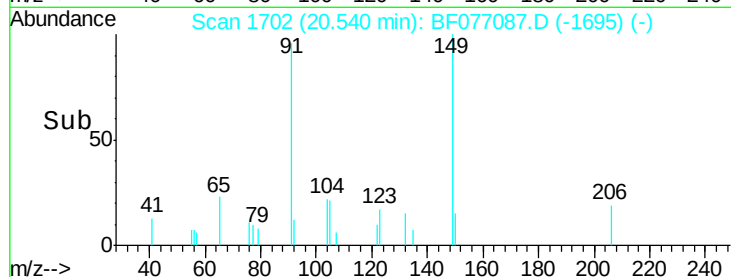
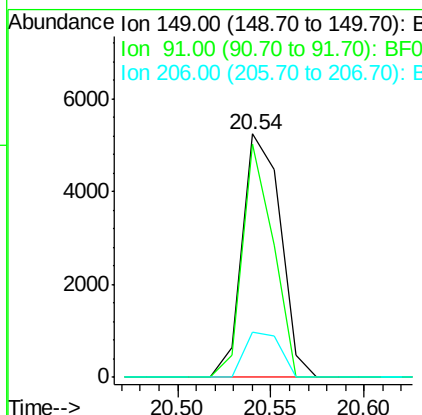
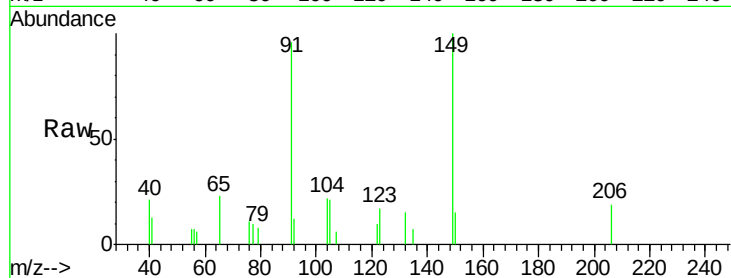




#79  
Butylbenzylphthalate  
Concen: 2.24 ng  
RT: 20.54 min Scan# 1702  
Delta R.T. -0.02 min  
Lab File: BF077087.D  
Acq: 27 Jan 2015 16:27

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:149 Resp: 7443  
Ion Ratio Lower Upper  
149 100  
91 95.8 50.6 76.0#  
206 18.8 12.8 19.2



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 22.96 min Scan# 1914  
Delta R.T. 0.17 min  
Lab File: BF077087.D  
Acq: 27 Jan 2015 16:27

Tgt Ion:264 Resp: 100094  
Ion Ratio Lower Upper  
264 100  
260 24.7 19.0 28.4  
265 21.4 18.1 27.1

