

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\  
 Data File : BF083945.D  
 Acq On : 19 Dec 2015 6:34  
 Operator : UM/SJ  
 Sample : G4840-10  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-06

Quant Time: Dec 21 02:32:47 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 18 14:23:22 2015  
 Response via : Initial Calibration

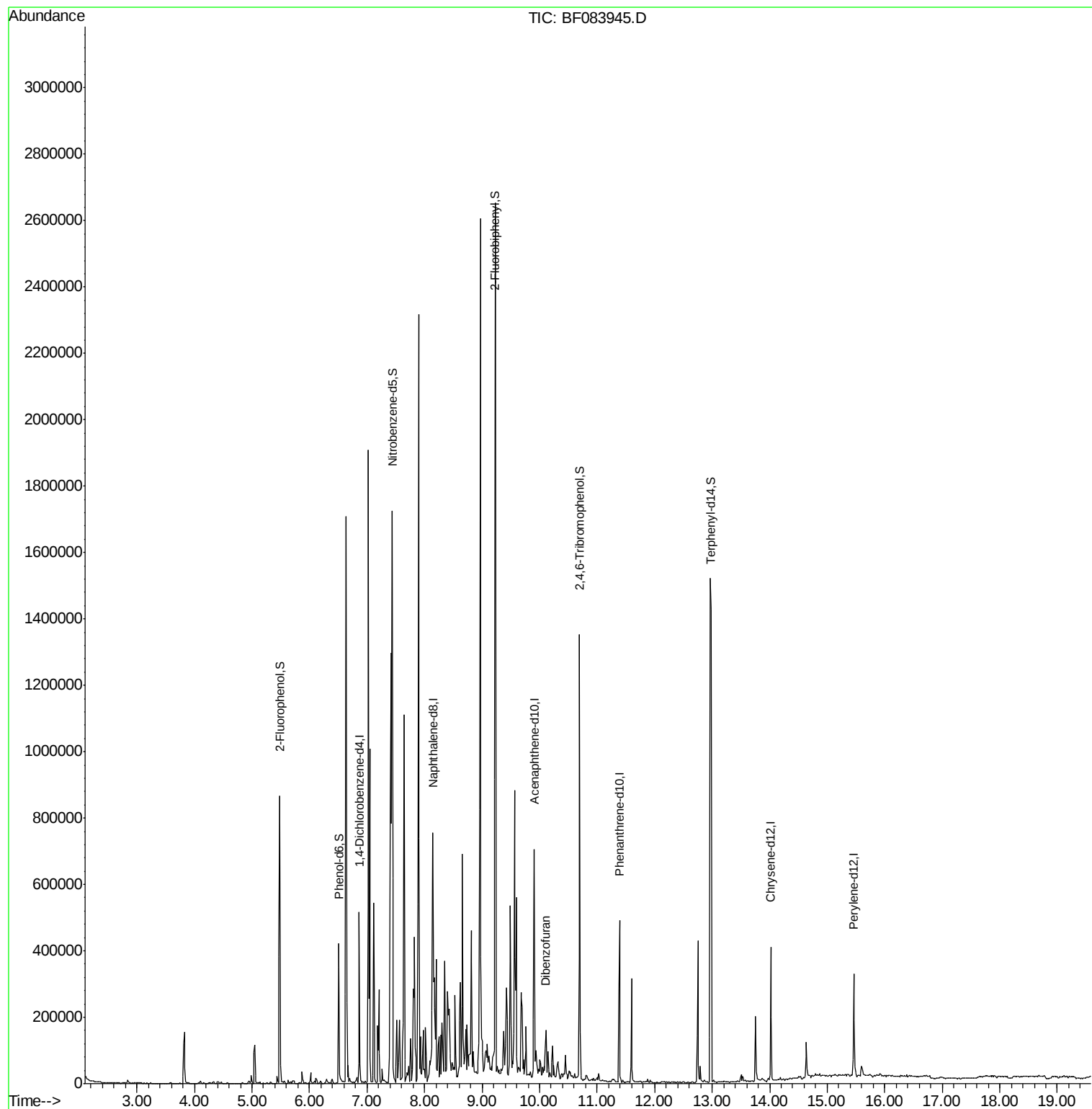
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.86  | 152  | 72750    | 20.00  | ng    | -0.01          |
| 21) Naphthalene-d8          | 8.14  | 136  | 213656   | 20.00  | ng    | -0.01          |
| 38) Acenaphthene-d10        | 9.90  | 164  | 127577   | 20.00  | ng    | -0.01          |
| 63) Phenanthrene-d10        | 11.39 | 188  | 212642   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 14.02 | 240  | 153725   | 20.00  | ng    | -0.01          |
| 86) Perylene-d12            | 15.46 | 264  | 138666   | 20.00  | ng    | -0.01          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.48  | 112  | 277605   | 59.72  | ng    | 0.00           |
| 7) Phenol-d6                | 6.51  | 99   | 206489   | 36.29  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 7.44  | 82   | 461432   | 123.26 | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 10.69 | 330  | 148365   | 105.56 | ng    | -0.01          |
| 44) 2-Fluorobiphenyl        | 9.23  | 172  | 822268   | 91.63  | ng    | -0.01          |
| 78) Terphenyl-d14           | 12.98 | 244  | 712217   | 110.18 | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 54) Dibenzofuran            | 10.11 | 168  | 29420    | 2.48   | ng    | Qvalue<br># 92 |

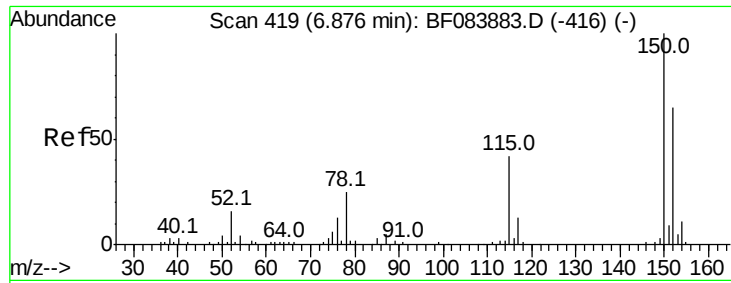
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 18 14:23:22 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF083945.D

Acq: 19 Dec 2015 6:34

Instrument :

BNA\_F

ClientSampleId :

W-06

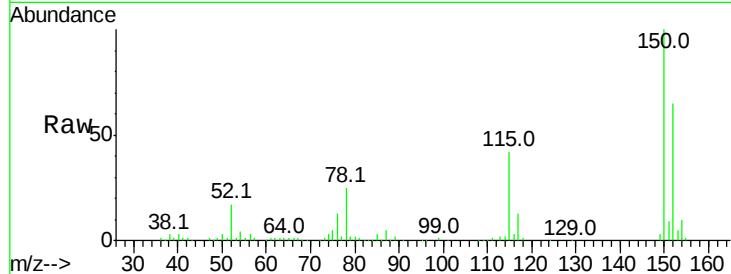
Tot Ion:152 Resp: 72750

Ion Ratio Lower Upper

152 100

150 154.4 123.0 184.4

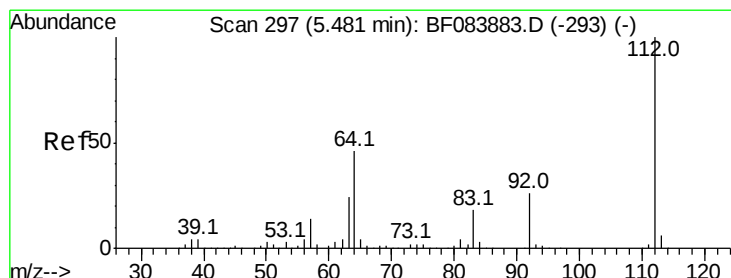
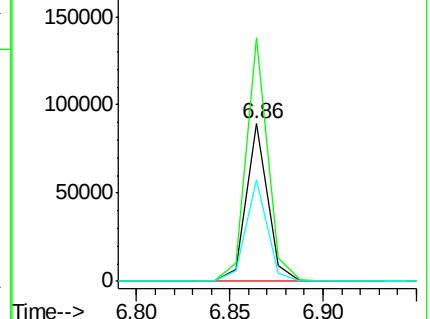
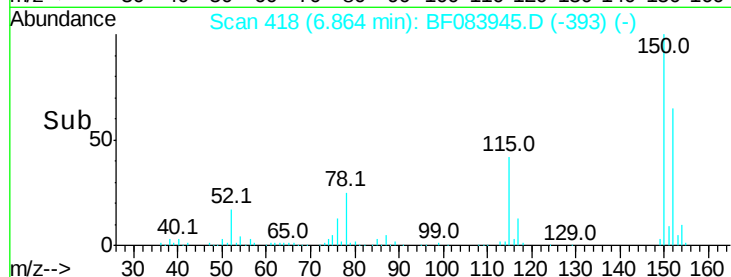
115 64.2 51.4 77.2



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: 59.72 ng

RT: 5.48 min Scan# 297

Delta R.T. -0.00 min

Lab File: BF083945.D

Acq: 19 Dec 2015 6:34

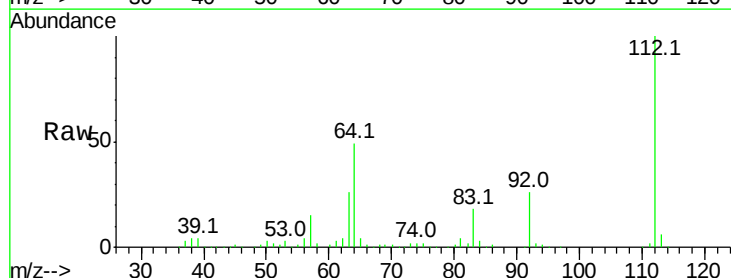
Tgt Ion:112 Resp: 277605

Ion Ratio Lower Upper

112 100

64 48.5 36.6 55.0

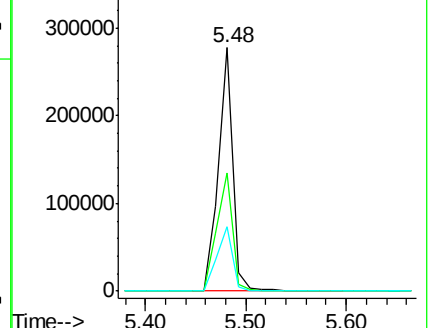
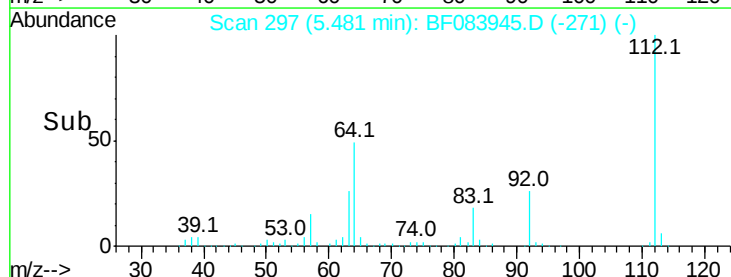
63 26.3 19.4 29.0

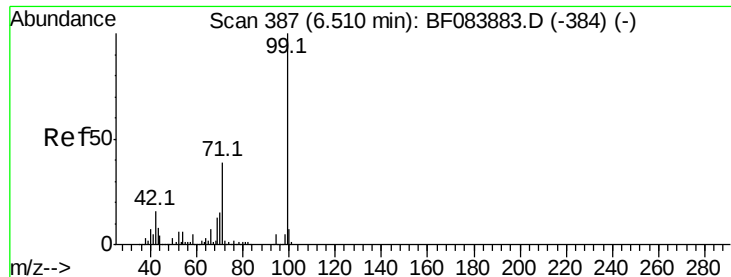


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.29 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF083945.D

Acq: 19 Dec 2015 6:34

Instrument :

BNA\_F

ClientSampleId :

W-06

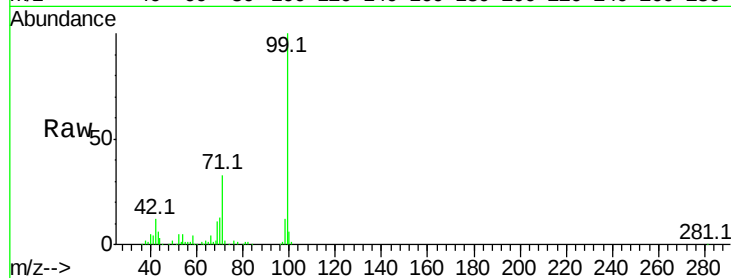
Tot Ion: 99 Resp: 206489

Ion Ratio Lower Upper

99 100

42 11.8 12.8 19.2#

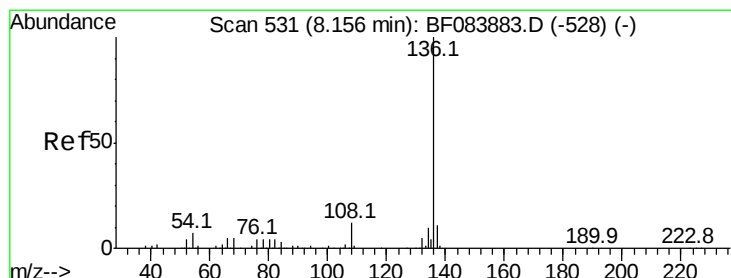
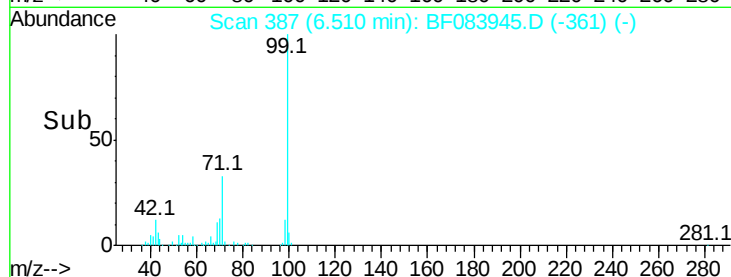
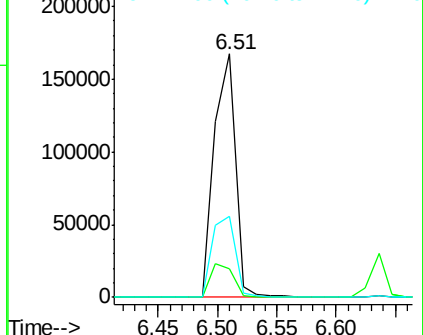
71 33.4 30.9 46.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF083945.D

Acq: 19 Dec 2015 6:34

Tgt Ion: 136 Resp: 213656

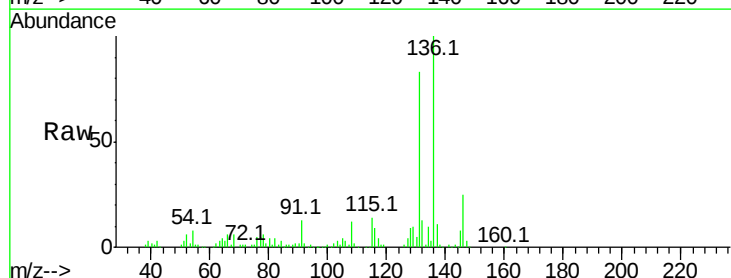
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 7.9 5.8 8.8

68 6.2 4.2 6.2

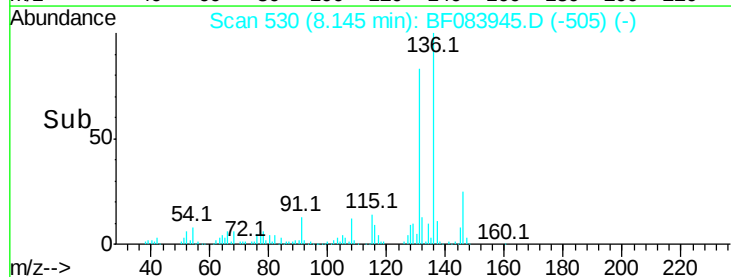
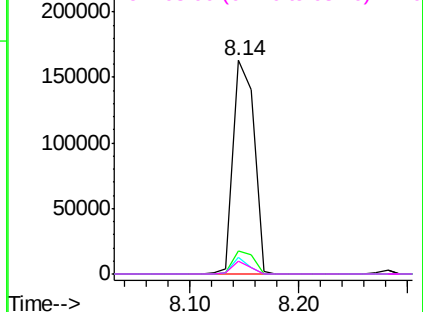


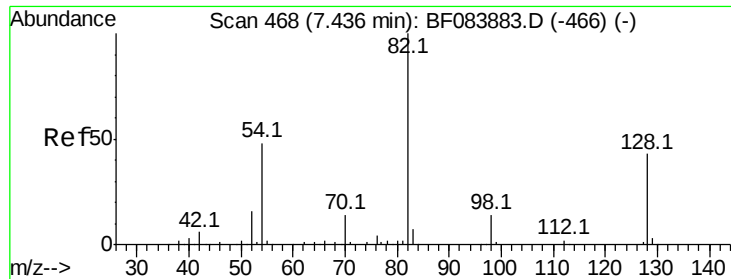
Abundance Ion 136.00 (135.70 to 136.70): E

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

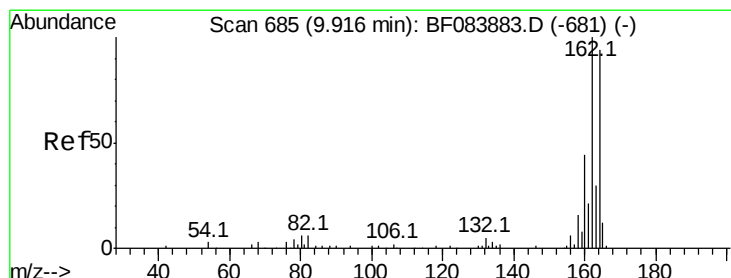
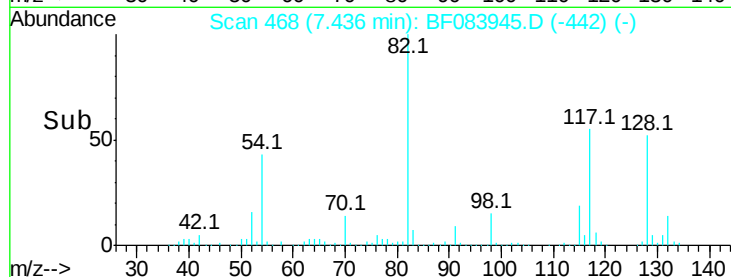
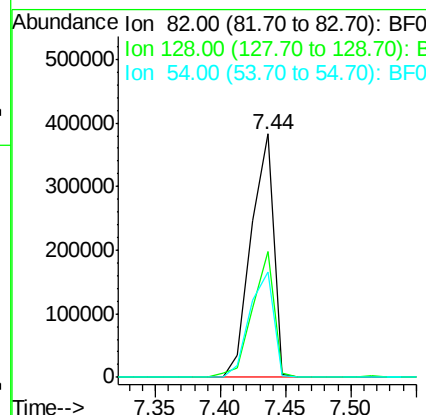
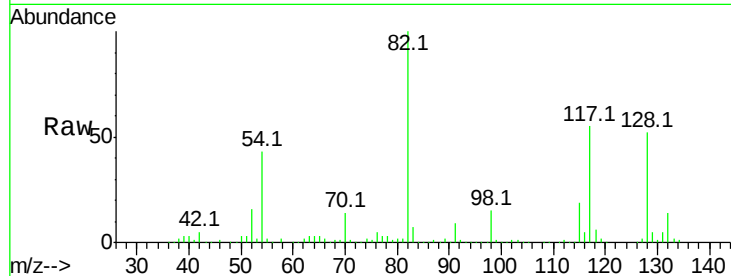




#23  
 Nitrobenzene-d5  
 Concen: 123.26 ng  
 RT: 7.44 min Scan# 468  
 Delta R.T. -0.00 min  
 Lab File: BF083945.D  
 Acq: 19 Dec 2015 6:34

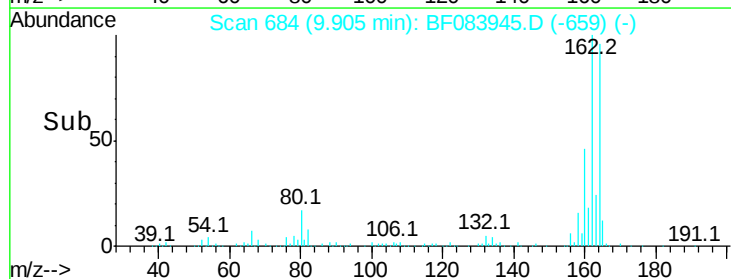
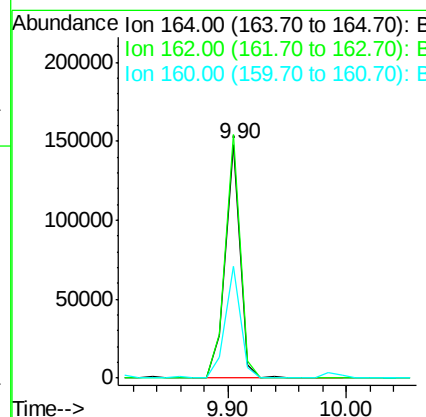
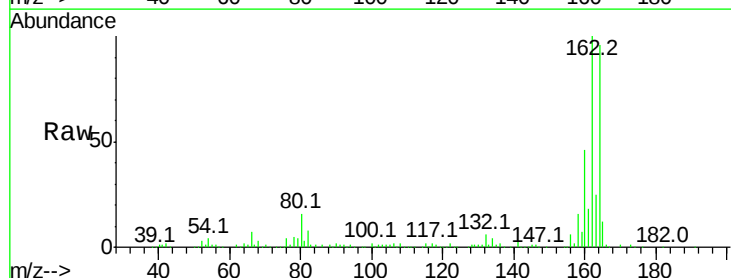
Instrument :  
 BNA\_F  
 ClientSampleId :  
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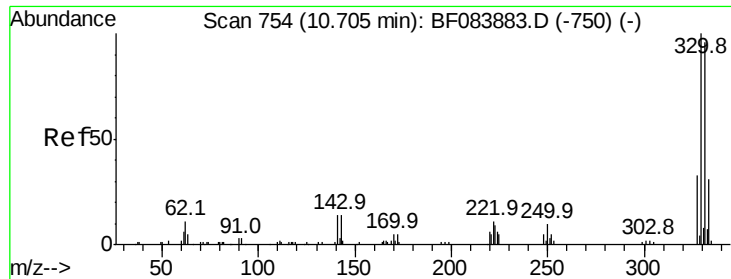
Tot Ion: 82 Resp: 461432  
 Ion Ratio Lower Upper  
 82 100  
 128 51.6 34.6 51.8  
 54 43.2 38.4 57.6



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.90 min Scan# 684  
 Delta R.T. -0.01 min  
 Lab File: BF083945.D  
 Acq: 19 Dec 2015 6:34

Tgt Ion:164 Resp: 127577  
 Ion Ratio Lower Upper  
 164 100  
 162 104.1 85.1 127.7  
 160 47.9 37.5 56.3

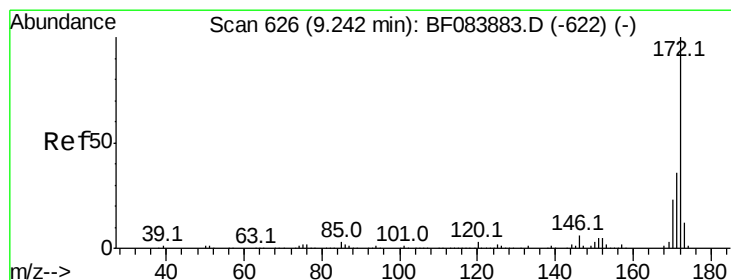
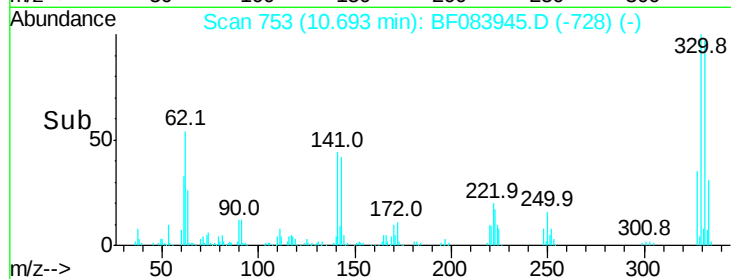
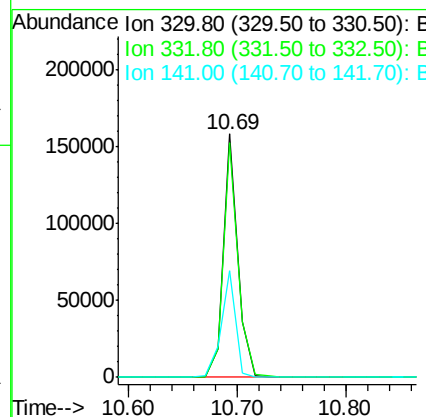
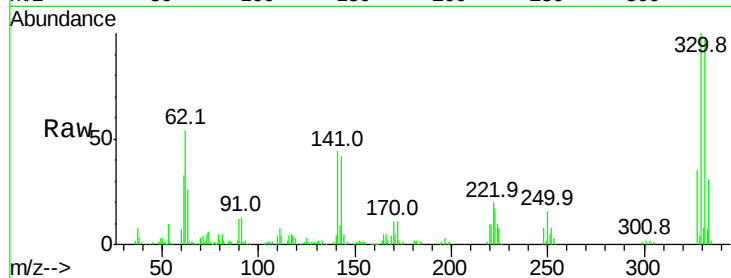




#41  
 2,4,6-Tribromophenol  
 Concen: 105.56 ng  
 RT: 10.69 min Scan# 753  
 Delta R.T. -0.01 min  
 Lab File: BF083945.D  
 Acq: 19 Dec 2015 6:34

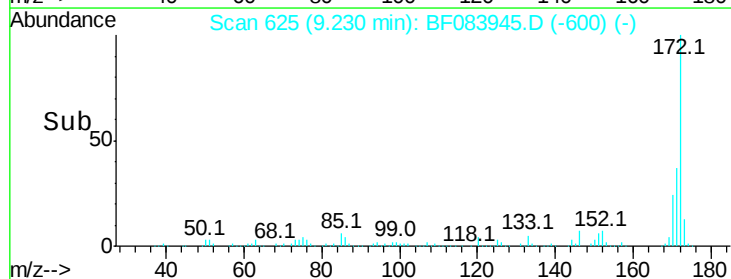
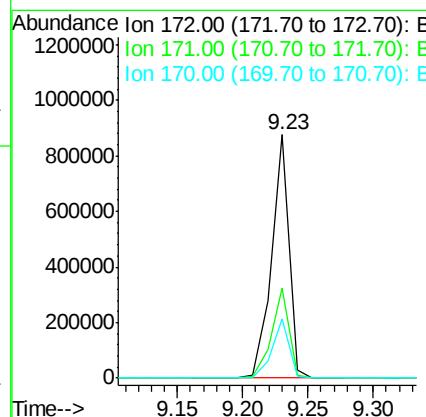
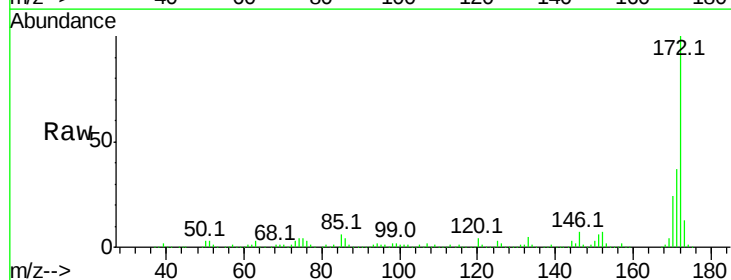
Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-06

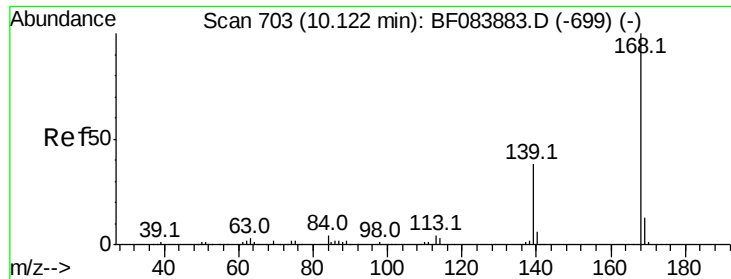
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.6  | 76.6  | 114.8 |
| 141     | 44.3  | 27.8  | 41.6# |



#44  
 2-Fluorobiphenyl  
 Concen: 91.63 ng  
 RT: 9.23 min Scan# 625  
 Delta R.T. -0.01 min  
 Lab File: BF083945.D  
 Acq: 19 Dec 2015 6:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.9  | 28.9  | 43.3  |
| 170     | 24.4  | 18.6  | 27.8  |

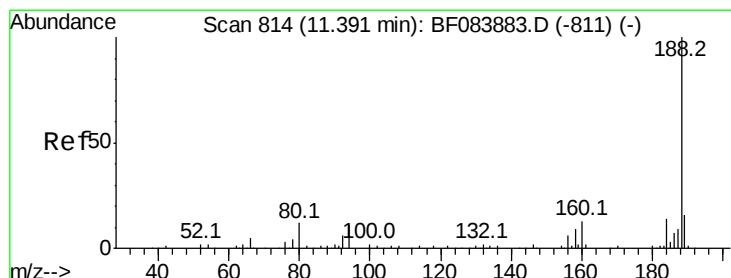
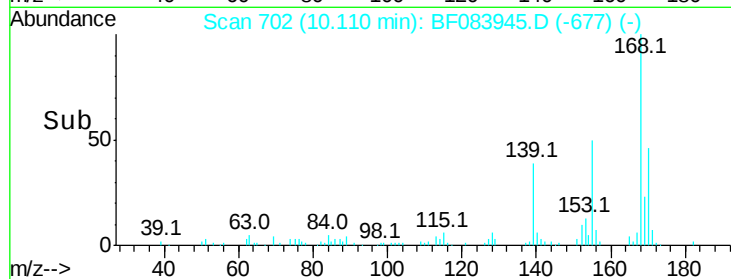
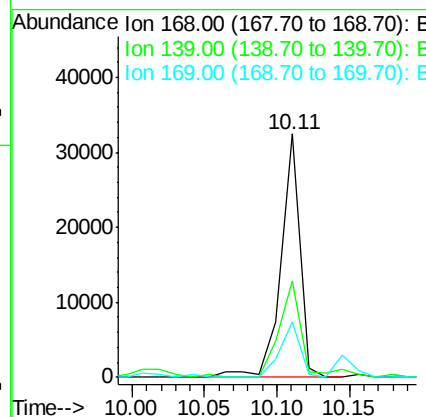
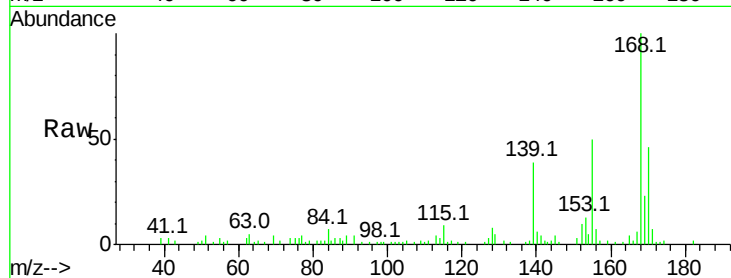




#54  
Dibenzofuran  
Concen: 2.48 ng  
RT: 10.11 min Scan# 702  
Delta R.T. -0.01 min  
Lab File: BF083945.D  
Acq: 19 Dec 2015 6:34

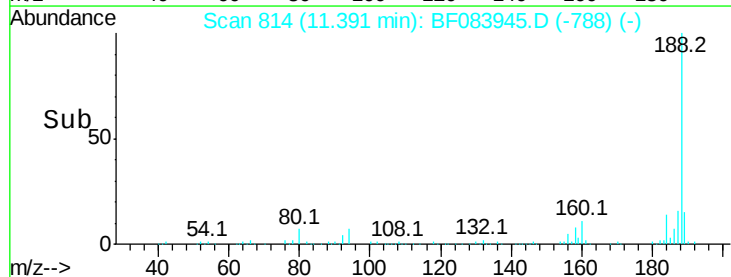
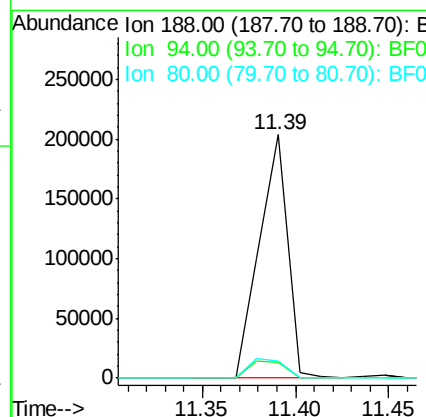
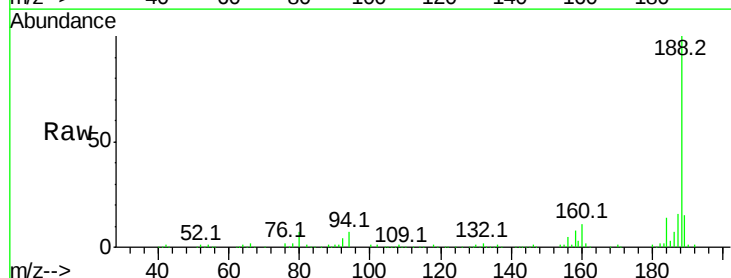
Instrument :  
BNA\_F  
ClientSampleId :  
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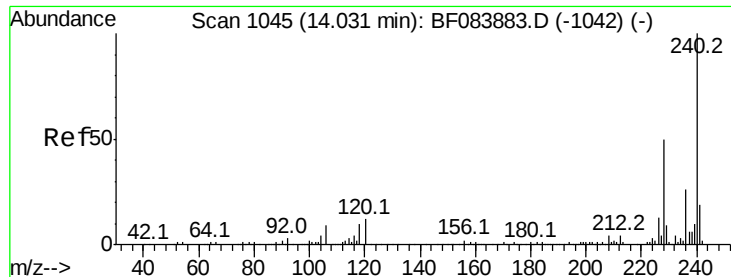
Tot Ion:168 Resp: 29420  
Ion Ratio Lower Upper  
168 100  
139 39.4 30.5 45.7  
169 22.8 10.4 15.6#



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.39 min Scan# 814  
Delta R.T. -0.00 min  
Lab File: BF083945.D  
Acq: 19 Dec 2015 6:34

Tgt Ion:188 Resp: 212642  
Ion Ratio Lower Upper  
188 100  
94 6.6 9.0 13.4#  
80 6.8 9.6 14.4#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BF083945.D

Acq: 19 Dec 2015 6:34

Instrument :

BNA\_F

ClientSampleId :

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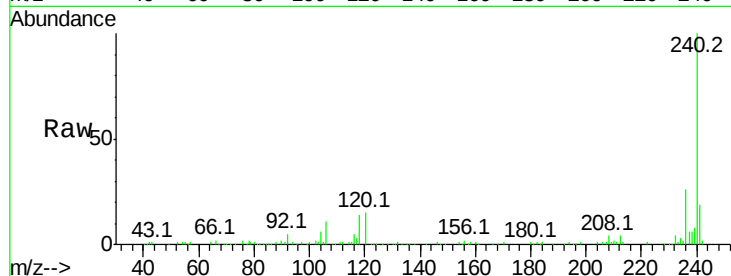
Tot Ion:240 Resp: 153725

Ion Ratio Lower Upper

240 100

120 14.7 9.5 14.3#

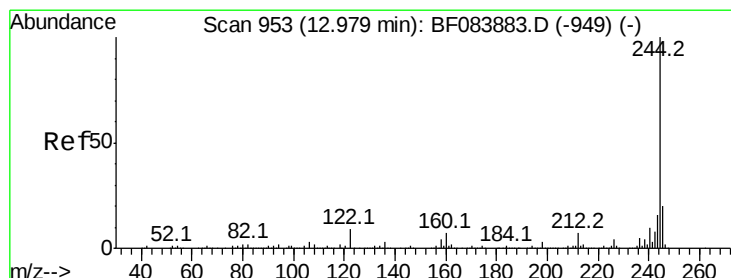
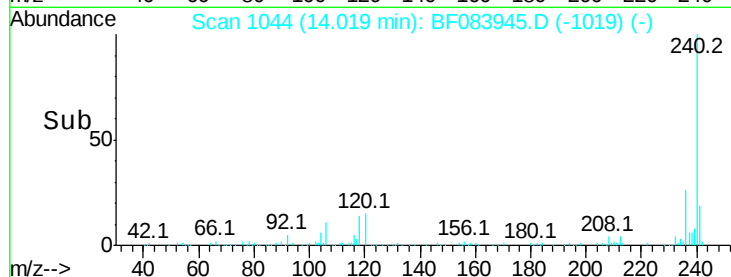
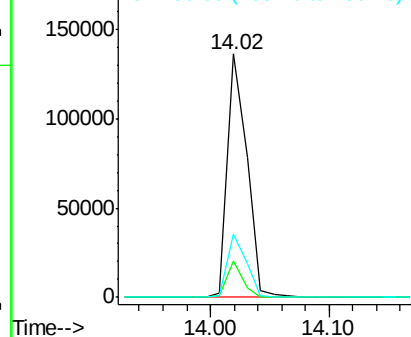
236 25.9 20.6 31.0



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: 110.18 ng

RT: 12.98 min Scan# 953

Delta R.T. 0.00 min

Lab File: BF083945.D

Acq: 19 Dec 2015 6:34

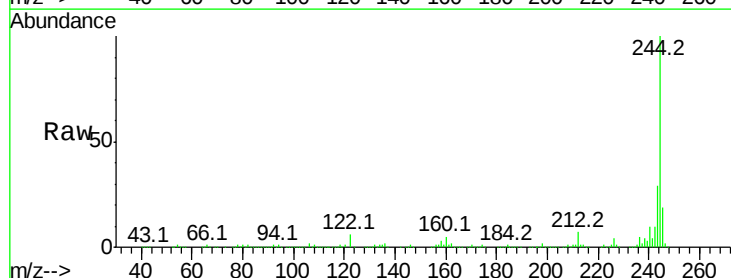
Tgt Ion:244 Resp: 712217

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

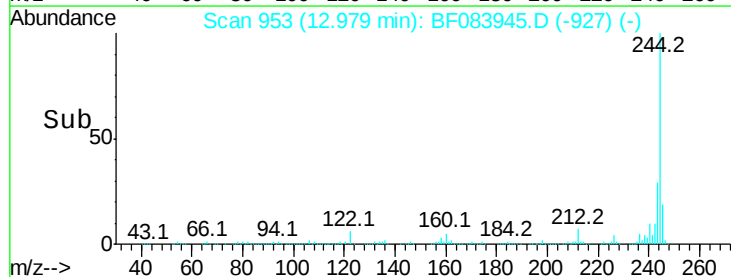
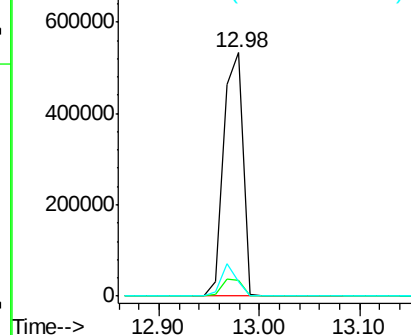
122 6.0 7.4 11.0#

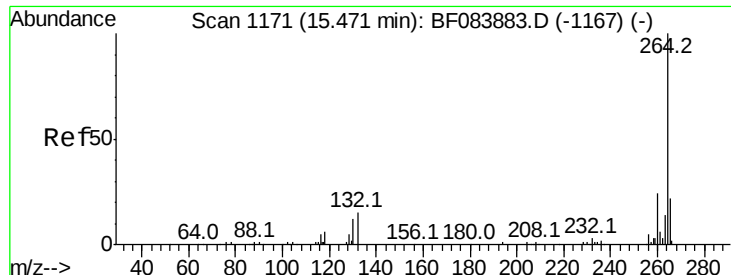


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

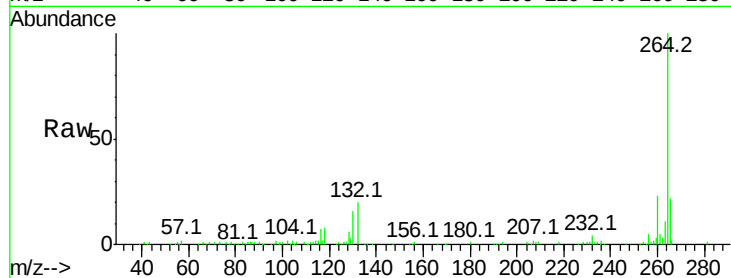




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.46 min Scan# 1170  
 Delta R.T. -0.01 min  
 Lab File: BF083945.D  
 Acq: 19 Dec 2015 6:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.4  | 19.4  | 29.2  |
| 265     | 22.3  | 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

