

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF031816\  
 Data File : BF085557.D  
 Acq On : 19 Mar 2016 6:35  
 Operator : UM/SJ  
 Sample : H1788-08  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TW-4

Quant Time: Mar 21 01:27:27 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 18 23:31:39 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 128296   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.14  | 136  | 544981   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.89  | 164  | 239066   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.37 | 188  | 467998   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.00 | 240  | 373247   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.43 | 264  | 304257   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.44  | 112  | 487128   | 63.78  | ng    | -0.01    |
| 7) Phenol-d6                | 6.48  | 99   | 419604   | 42.83  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 804738   | 85.71  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.69 | 330  | 370615   | 158.26 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.21  | 172  | 1267404  | 92.47  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.96 | 244  | 1376370  | 88.74  | ng    | 0.00     |

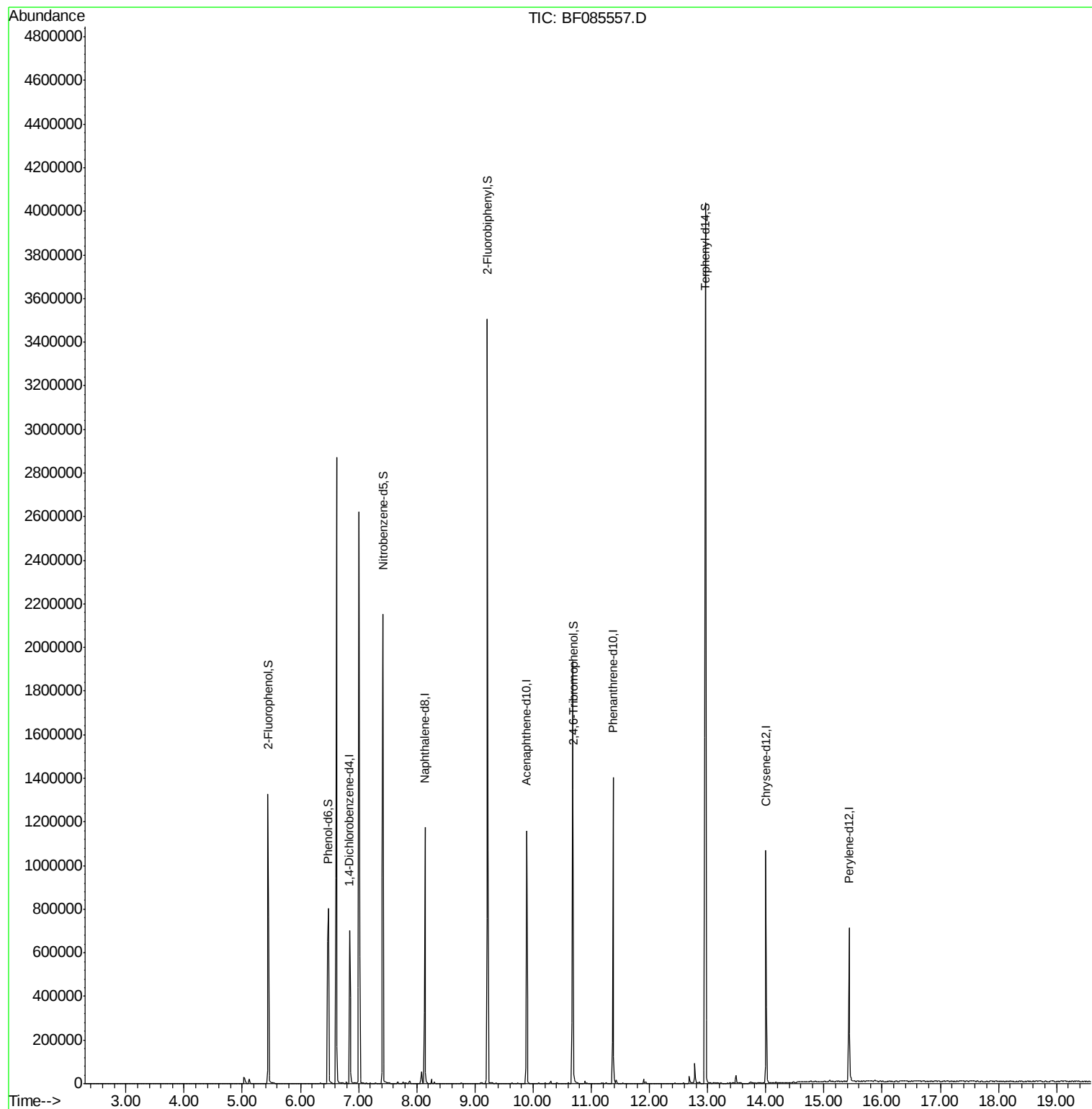
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

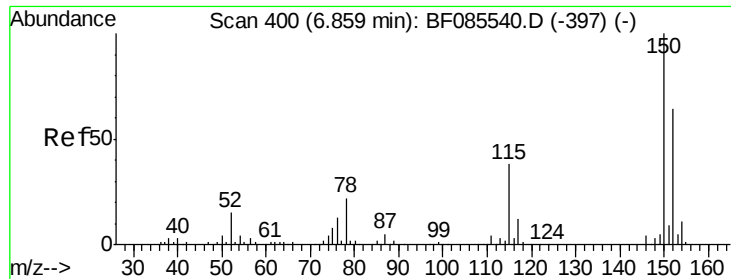
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 399

Delta R.T. -0.01 min

Lab File: BF085557.D

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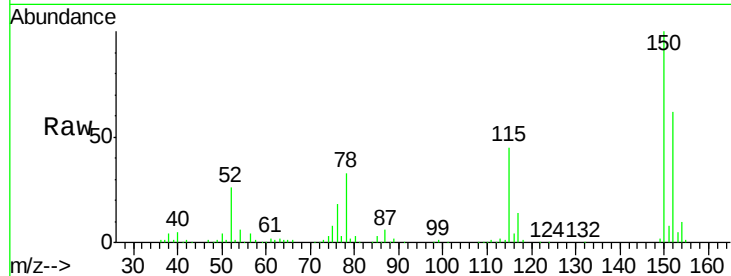
Tgt Ion:152 Resp: 128296

Ion Ratio Lower Upper

152 100

150 161.1 124.2 186.2

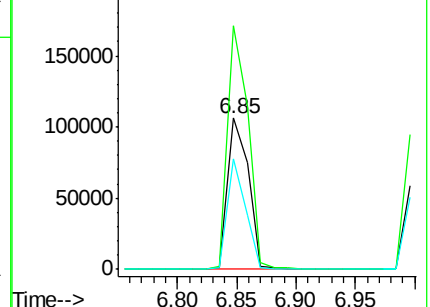
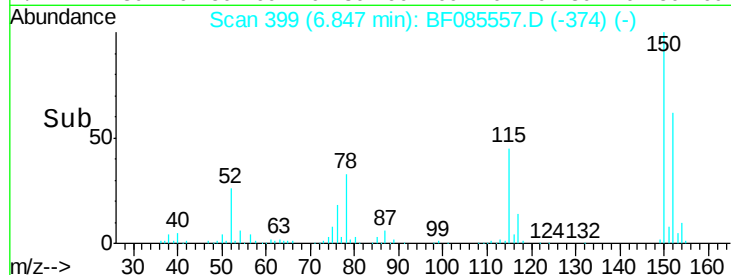
115 73.2 47.0 70.6#



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: 63.78 ng

RT: 5.44 min Scan# 276

Delta R.T. -0.01 min

Lab File: BF085557.D

Acq: 19 Mar 2016 6:35

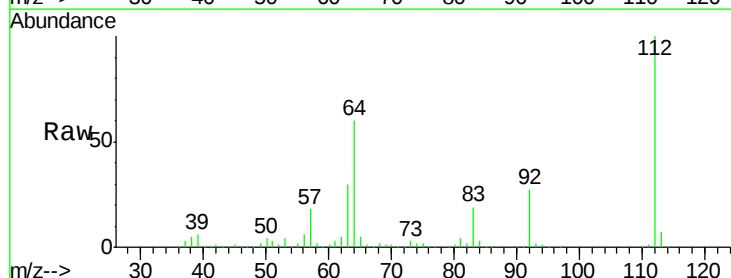
Tgt Ion:112 Resp: 487128

Ion Ratio Lower Upper

112 100

64 60.3 39.9 59.9#

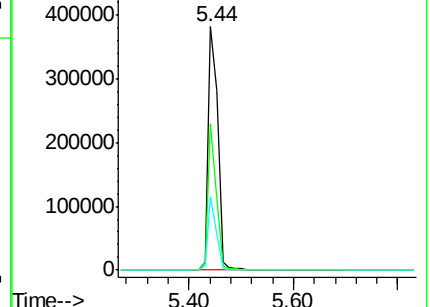
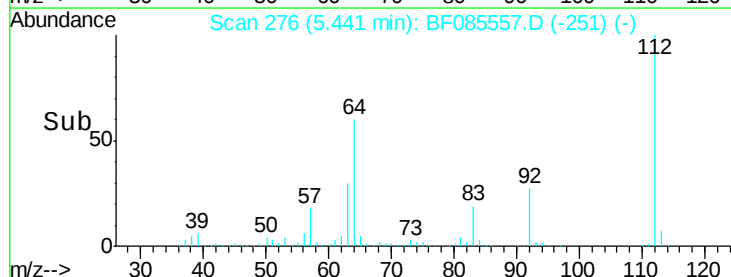
63 30.3 20.2 30.2#



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: 42.83 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF085557.D

Acq: 19 Mar 2016 6:35

Instrument :

BNA\_F

ClientSampleId :

TW-4

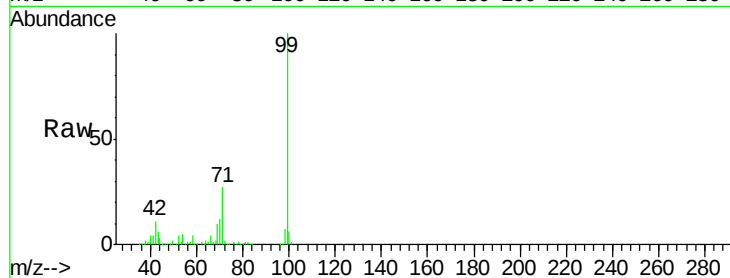
Tgt Ion: 99 Resp: 419604

Ion Ratio Lower Upper

99 100

42 11.2 11.1 16.7

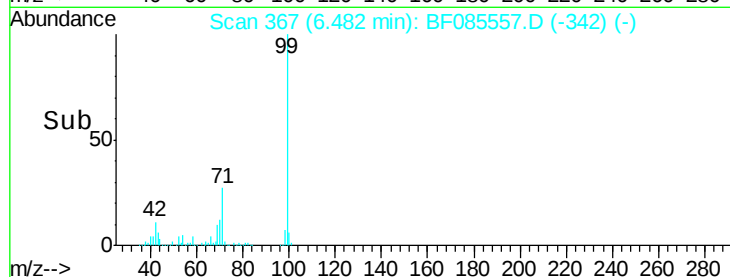
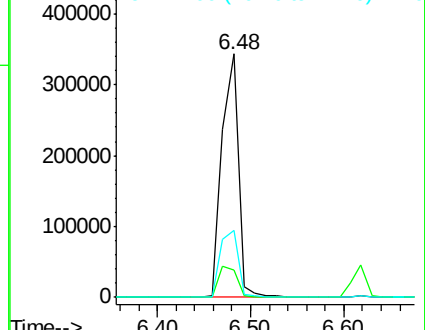
71 27.4 24.9 37.3



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# 512

Delta R.T. 0.00 min

Lab File: BF085557.D

Acq: 19 Mar 2016 6:35

Tgt Ion: 136 Resp: 544981

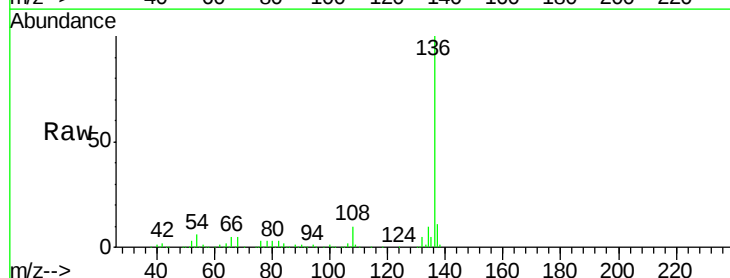
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.0 7.4 11.0#

68 5.4 5.8 8.8#

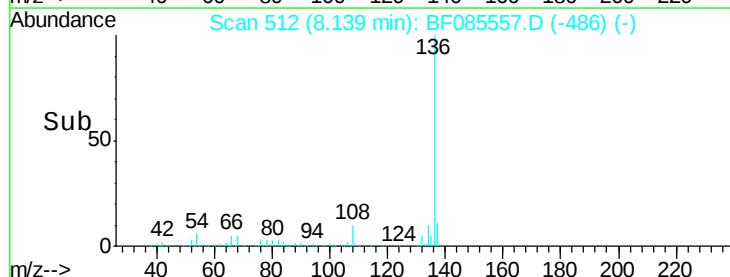
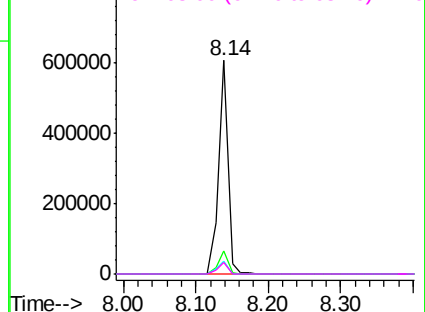


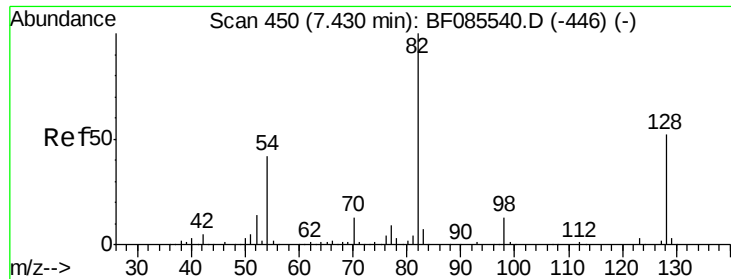
Abundance Ion 136.00 (135.70 to 136.70): E

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

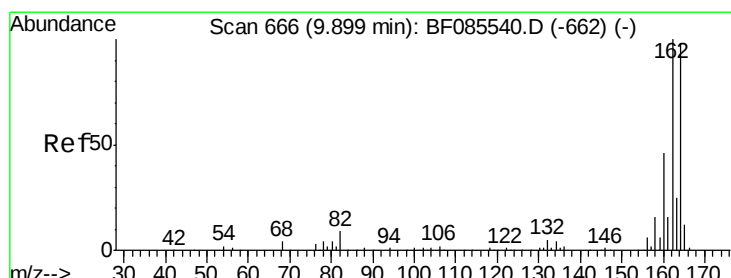
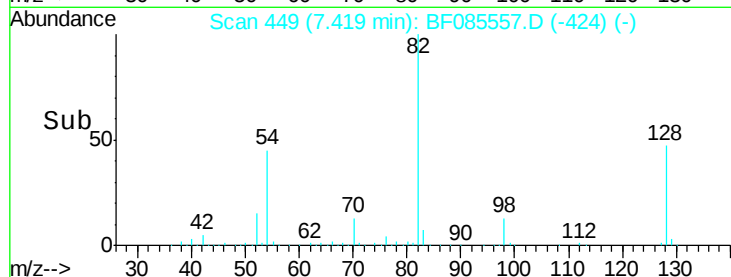
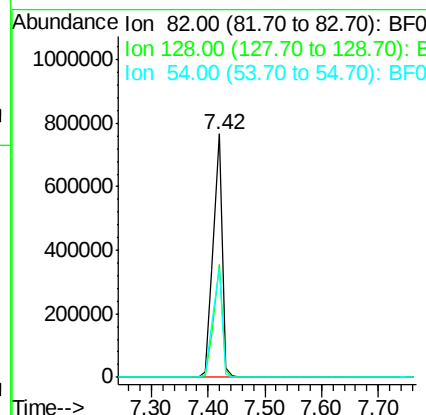
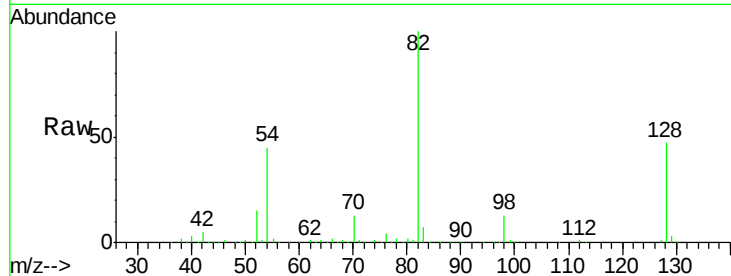




#23  
 Nitrobenzene-d5  
 Concen: 85.71 ng  
 RT: 7.42 min Scan# 449  
 Delta R.T. -0.01 min  
 Lab File: BF085557.D  
 Acq: 19 Mar 2016 6:35

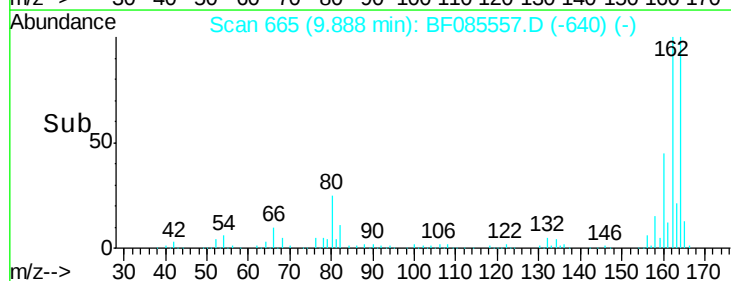
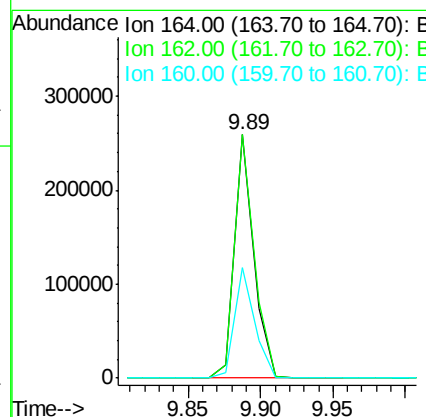
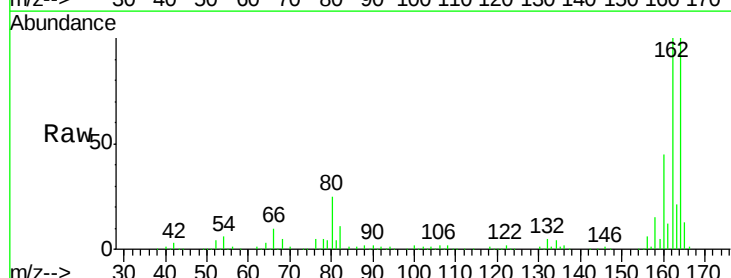
Instrument :  
 BNA\_F  
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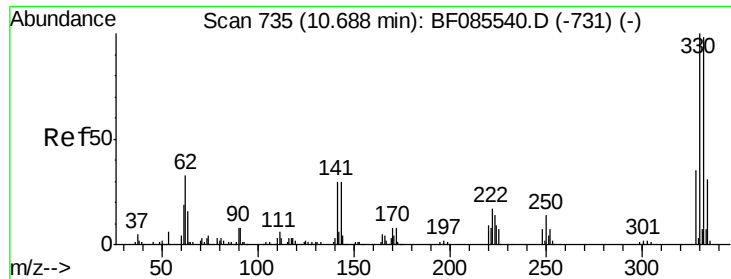
Tgt Ion: 82 Resp: 804738  
 Ion Ratio Lower Upper  
 82 100  
 128 46.5 41.8 62.8  
 54 45.0 33.4 50.0



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.89 min Scan# 665  
 Delta R.T. -0.01 min  
 Lab File: BF085557.D  
 Acq: 19 Mar 2016 6:35

Tgt Ion: 164 Resp: 239066  
 Ion Ratio Lower Upper  
 164 100  
 162 100.2 82.1 123.1  
 160 45.4 37.4 56.2

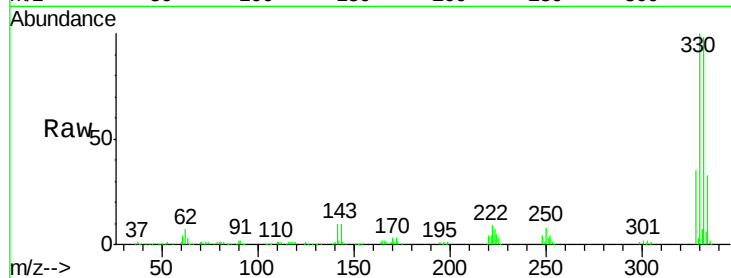




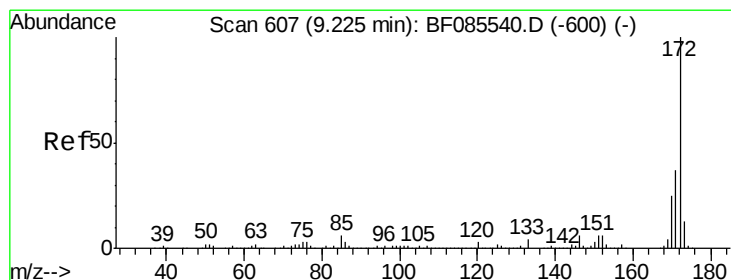
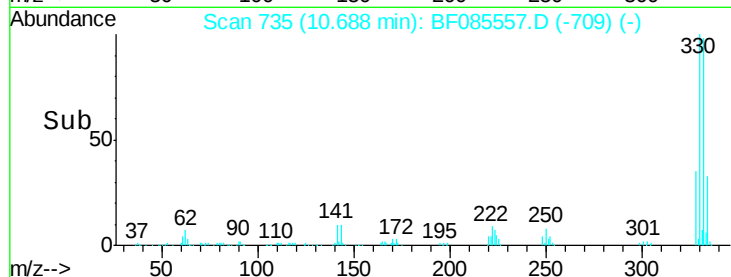
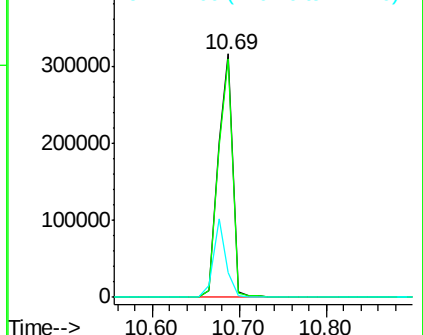
#41  
 2,4,6-Tribromophenol  
 Concen: 158.26 ng  
 RT: 10.69 min Scan# 735  
 Delta R.T. 0.00 min  
 Lab File: BF085557.D  
 Acq: 19 Mar 2016 6:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TW-4

Tgt Ion:330 Resp: 370615  
 Ion Ratio Lower Upper  
 330 100  
 332 97.8 78.2 117.2  
 141 28.6 31.5 47.3#

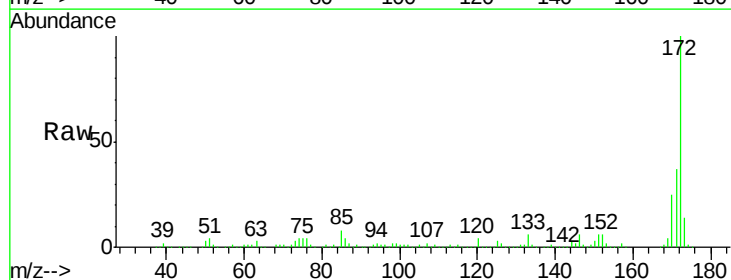


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

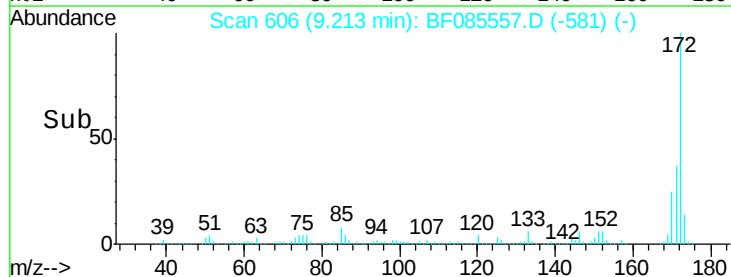
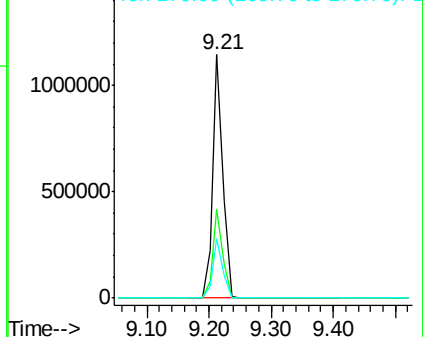


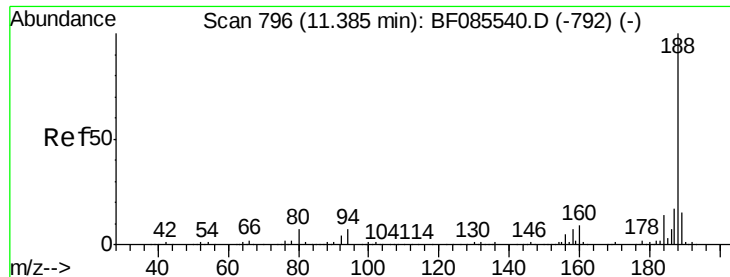
#44  
 2-Fluorobiphenyl  
 Concen: 92.47 ng  
 RT: 9.21 min Scan# 606  
 Delta R.T. -0.01 min  
 Lab File: BF085557.D  
 Acq: 19 Mar 2016 6:35

Tgt Ion:172 Resp: 1267404  
 Ion Ratio Lower Upper  
 172 100  
 171 36.7 29.4 44.2  
 170 24.5 19.8 29.6



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

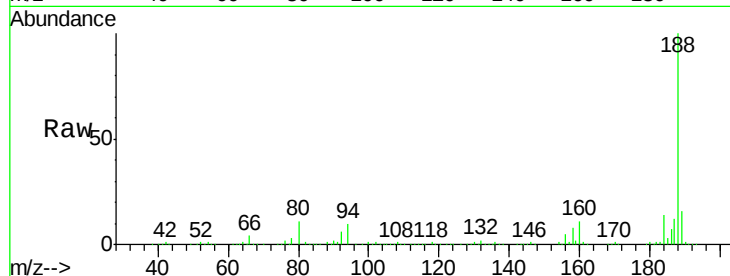




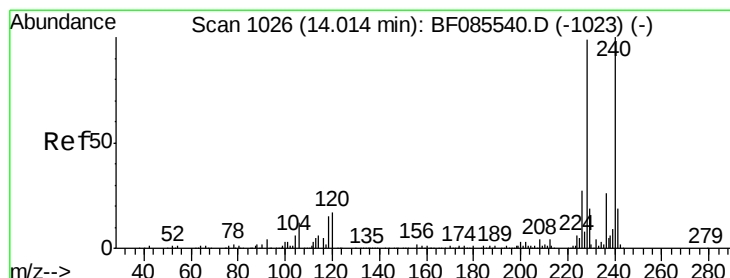
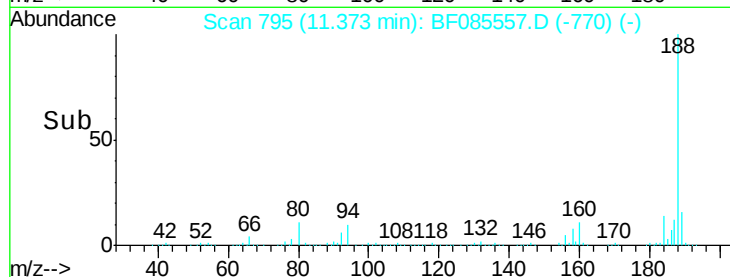
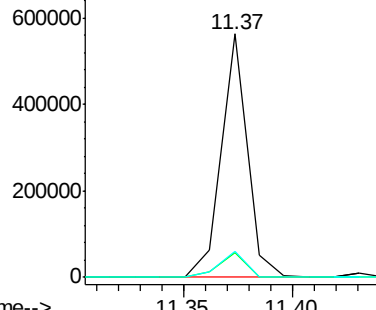
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.37 min Scan# 795  
Delta R.T. -0.01 min  
Lab File: BF085557.D  
Acq: 19 Mar 2016 6:35

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Tgt Ion:188 Resp: 467998  
Ion Ratio Lower Upper  
188 100  
94 10.3 5.4 8.0#  
80 10.7 5.5 8.3#

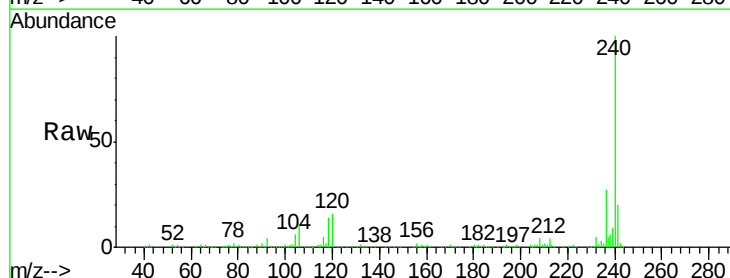


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

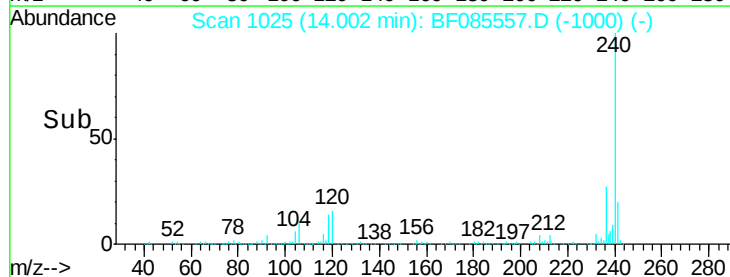
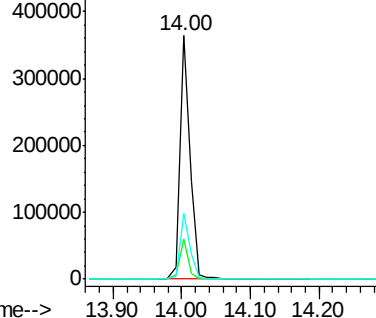


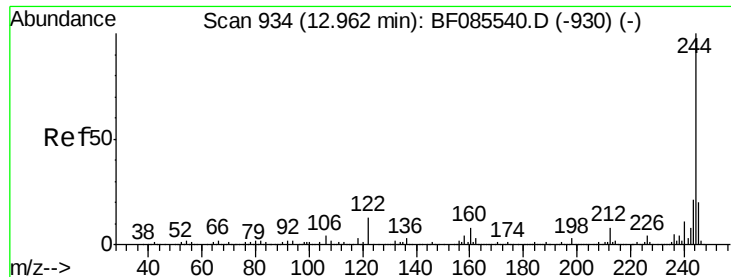
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.00 min Scan# 1025  
Delta R.T. -0.01 min  
Lab File: BF085557.D  
Acq: 19 Mar 2016 6:35

Tgt Ion:240 Resp: 373247  
Ion Ratio Lower Upper  
240 100  
120 16.2 13.8 20.8  
236 26.8 20.6 30.8



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

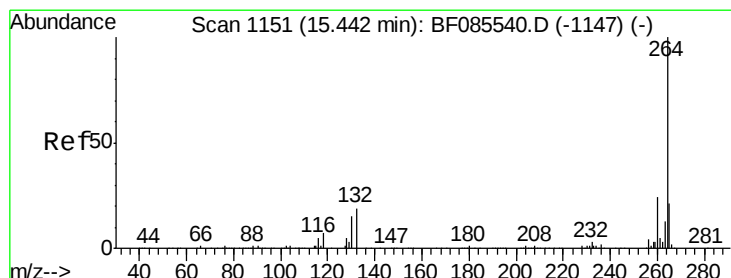
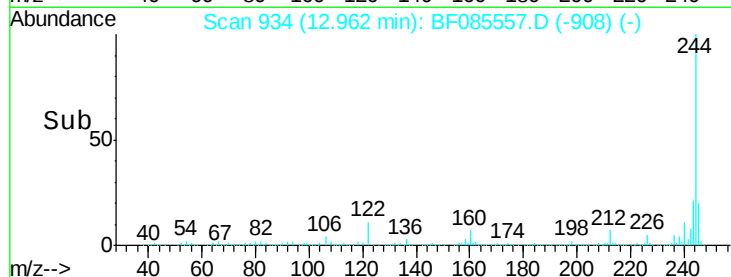
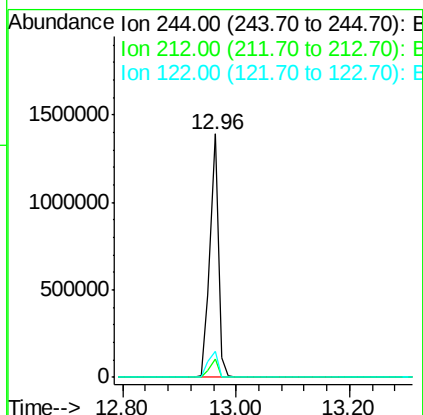
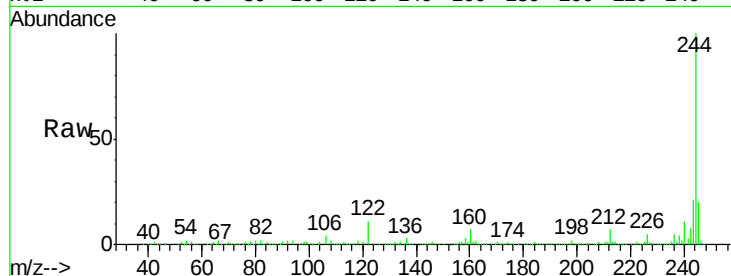




#78  
 Terphenyl-d14  
 Concen: 88.74 ng  
 RT: 12.96 min Scan# 934  
 Delta R.T. 0.00 min  
 Lab File: BF085557.D  
 Acq: 19 Mar 2016 6:35

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Tgt Ion:244 Resp: 1376370  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 6.1 9.1  
 122 10.9 10.2 15.4



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.43 min Scan# 1150  
 Delta R.T. -0.01 min  
 Lab File: BF085557.D  
 Acq: 19 Mar 2016 6:35

Tgt Ion:264 Resp: 304257  
 Ion Ratio Lower Upper  
 264 100  
 260 24.6 19.4 29.2  
 265 22.0 17.2 25.8

