

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032116\  
 Data File : BF085649.D  
 Acq On : 22 Mar 2016 6:12  
 Operator : UM/SJ  
 Sample : H1837-05  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRACK-D-GRID-11A

Quant Time: Mar 22 06:50:58 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

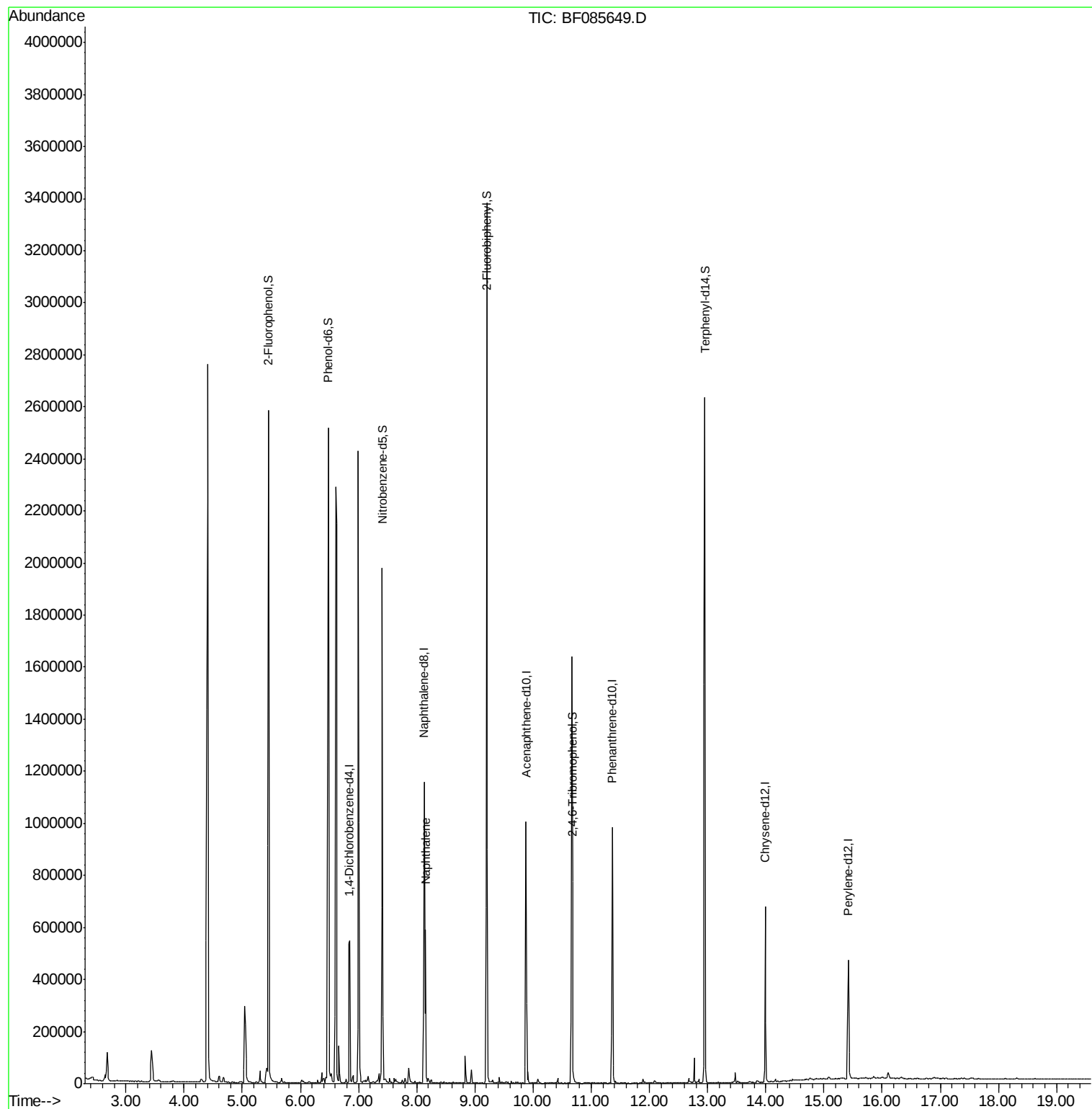
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 125623   | 20.00  | ng    | -0.01        |
| 21) Naphthalene-d8          | 8.13  | 136  | 513831   | 20.00  | ng    | -0.01        |
| 38) Acenaphthene-d10        | 9.88  | 164  | 199350   | 20.00  | ng    | -0.02        |
| 63) Phenanthrene-d10        | 11.36 | 188  | 338880   | 20.00  | ng    | -0.02        |
| 75) Chrysene-d12            | 13.99 | 240  | 239461   | 20.00  | ng    | -0.02        |
| 86) Perylene-d12            | 15.42 | 264  | 208190   | 20.00  | ng    | -0.02        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.45  | 112  | 858363   | 114.77 | ng    | 0.00         |
| 7) Phenol-d6                | 6.48  | 99   | 1058187  | 110.32 | ng    | -0.01        |
| 23) Nitrobenzene-d5         | 7.41  | 82   | 714512   | 80.72  | ng    | -0.02        |
| 41) 2,4,6-Tribromophenol    | 10.68 | 330  | 253663   | 129.90 | ng    | -0.01        |
| 44) 2-Fluorobiphenyl        | 9.20  | 172  | 1183031  | 108.78 | ng    | -0.02        |
| 78) Terphenyl-d14           | 12.95 | 244  | 993469   | 99.83  | ng    | -0.01        |
| Target Compounds            |       |      |          |        |       |              |
| 31) Naphthalene             | 8.15  | 128  | 287896   | 11.10  | ng    | Qvalue<br>97 |

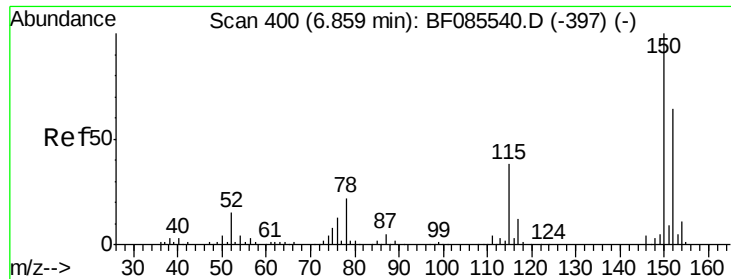
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF085649.D

Acq: 22 Mar 2016 6:12

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-GRID-11A

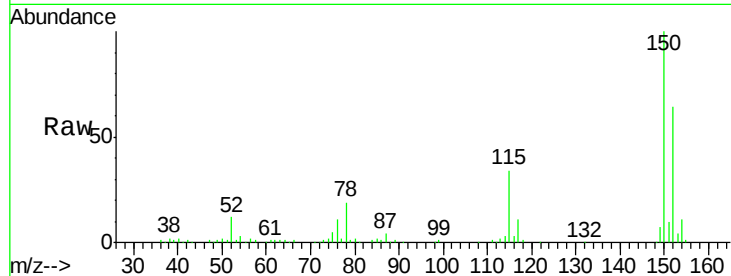
Tgt Ion:152 Resp: 125623

Ion Ratio Lower Upper

152 100

150 155.4 124.2 186.2

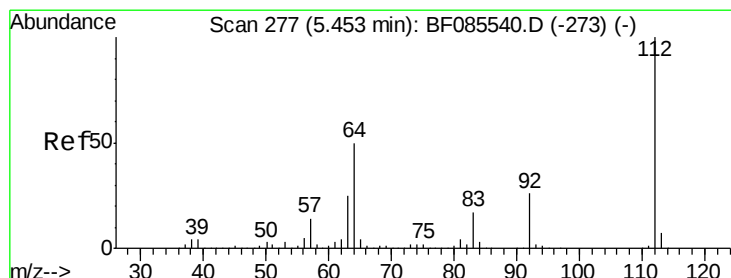
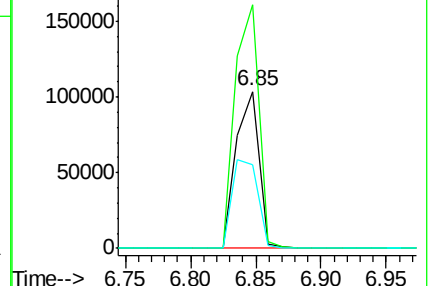
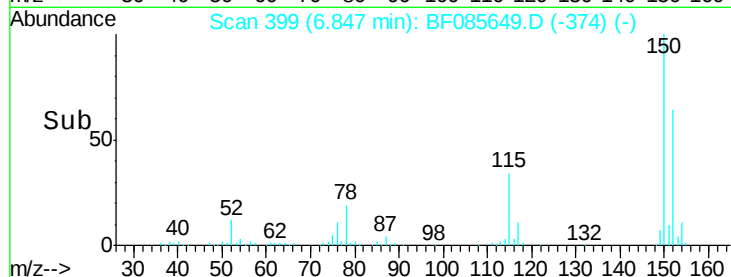
115 53.3 47.0 70.6



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: 114.77 ng

RT: 5.45 min Scan# 277

Delta R.T. 0.00 min

Lab File: BF085649.D

Acq: 22 Mar 2016 6:12

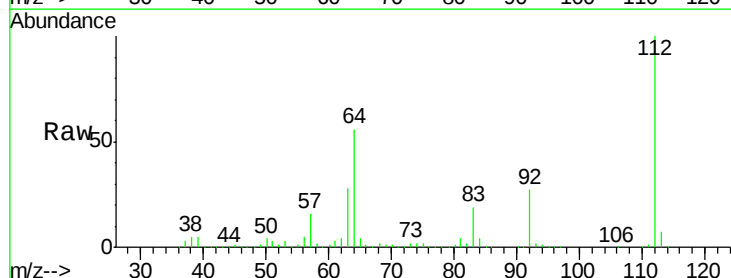
Tgt Ion:112 Resp: 858363

Ion Ratio Lower Upper

112 100

64 55.6 39.9 59.9

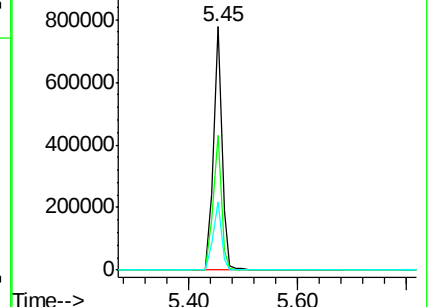
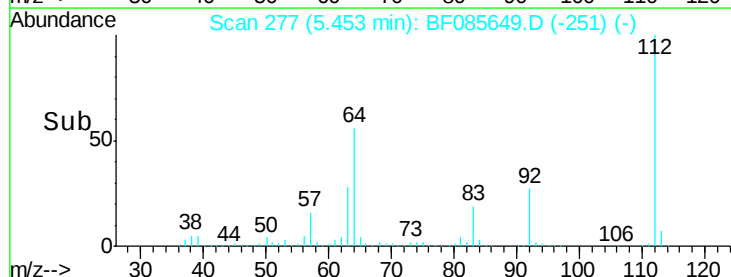
63 28.3 20.2 30.2

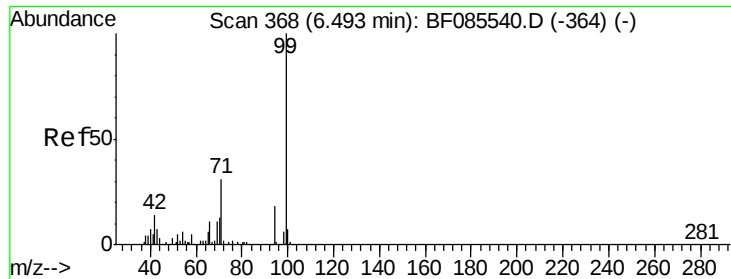


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 110.32 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF085649.D

Acq: 22 Mar 2016 6:12

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-GRID-11A

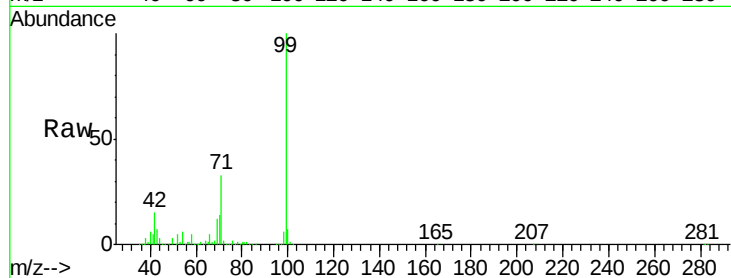
Tgt Ion: 99 Resp: 1058187

Ion Ratio Lower Upper

99 100

42 14.8 11.1 16.7

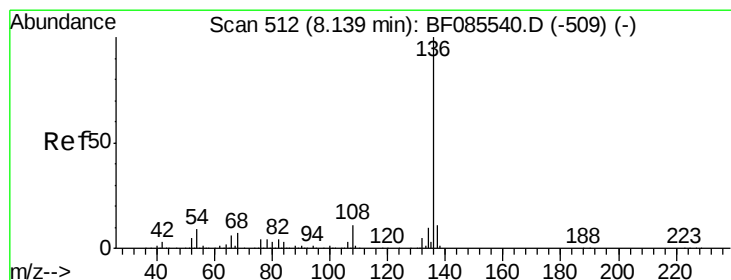
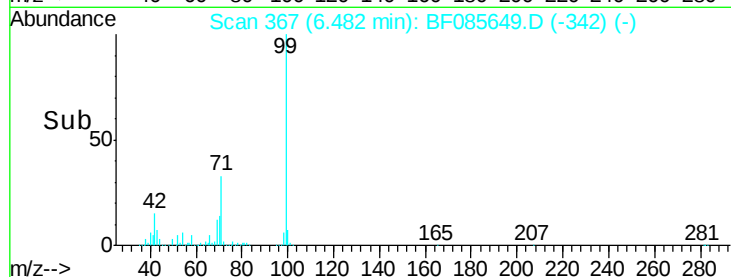
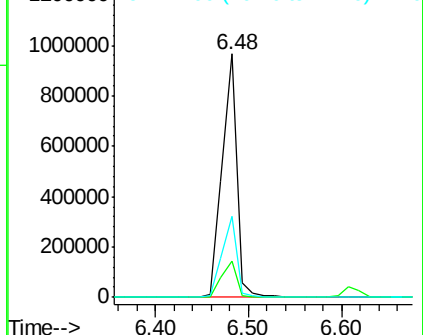
71 33.4 24.9 37.3



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: 8.13 min Scan# 511

Delta R.T. -0.01 min

Lab File: BF085649.D

Acq: 22 Mar 2016 6:12

Tgt Ion: 136 Resp: 513831

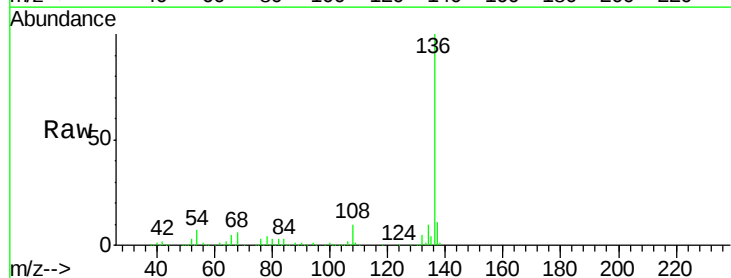
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.5 7.4 11.0#

68 5.5 5.8 8.8#

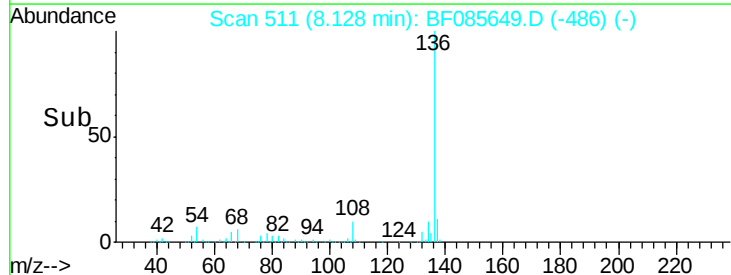
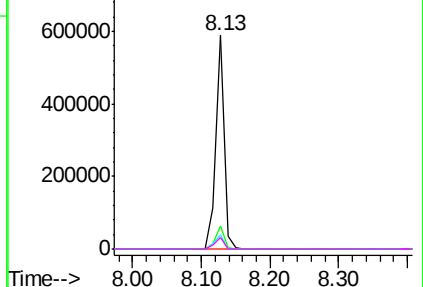


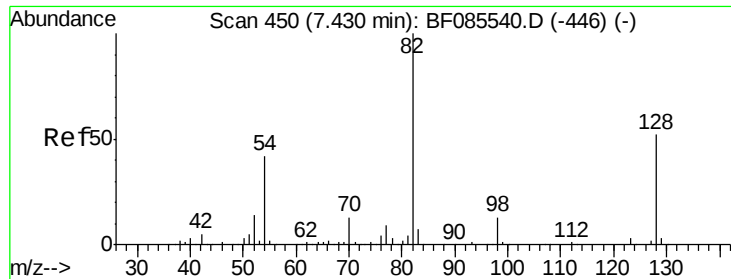
Abundance Ion 136.00 (135.70 to 136.70): E

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

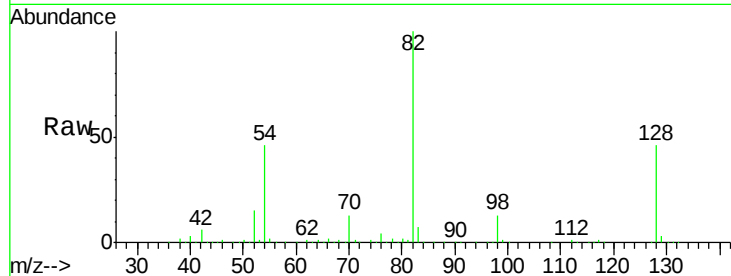




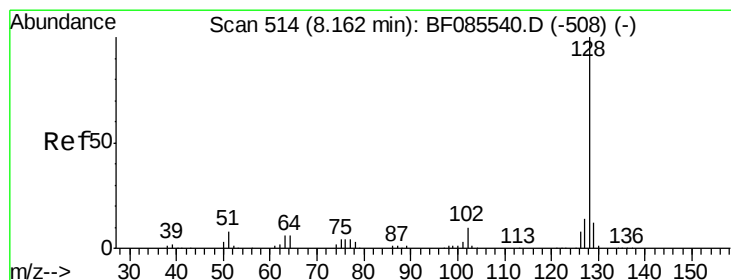
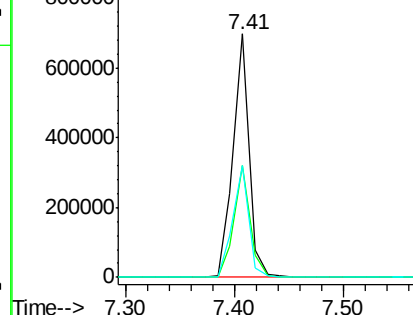
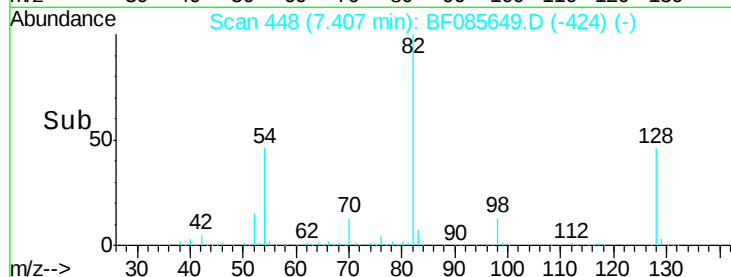
#23  
 Nitrobenzene-d5  
 Concen: 80.72 ng  
 RT: 7.41 min Scan# 448  
 Delta R.T. -0.02 min  
 Lab File: BF085649.D  
 Acq: 22 Mar 2016 6:12

Instrument :  
 BNA\_F  
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 TRACK-D-GRID-11A

Tgt Ion: 82 Resp: 714512  
 Ion Ratio Lower Upper  
 82 100  
 128 45.9 41.8 62.8  
 54 46.0 33.4 50.0

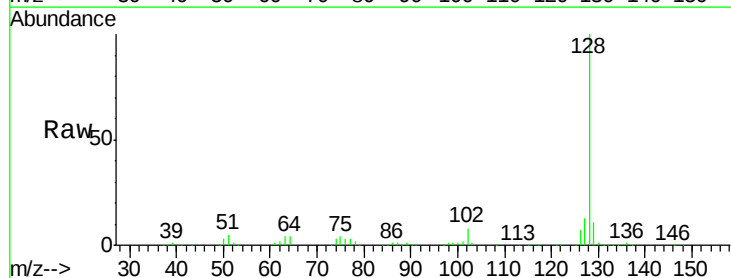


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

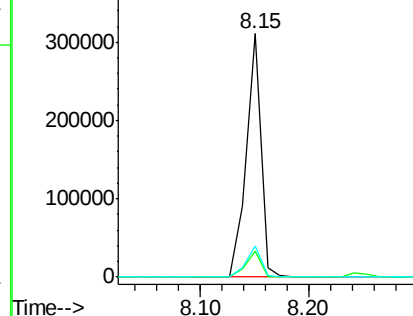
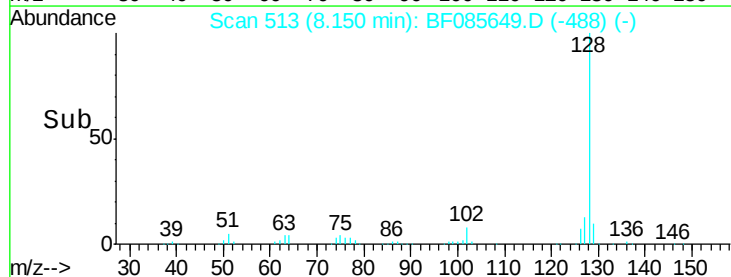


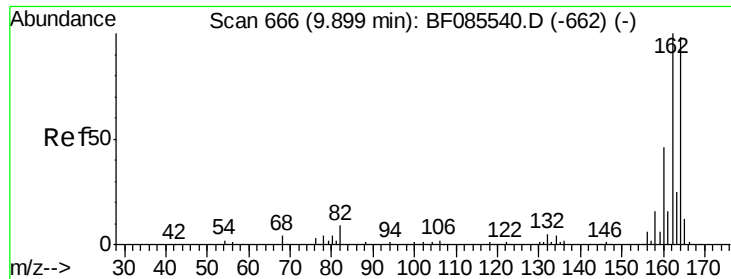
#31  
 Naphthalene  
 Concen: 11.10 ng  
 RT: 8.15 min Scan# 513  
 Delta R.T. -0.01 min  
 Lab File: BF085649.D  
 Acq: 22 Mar 2016 6:12

Tgt Ion: 128 Resp: 287896  
 Ion Ratio Lower Upper  
 128 100  
 129 10.7 9.4 14.0  
 127 12.8 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): B  
 Ion 129.00 (128.70 to 129.70): B  
 Ion 127.00 (126.70 to 127.70): B

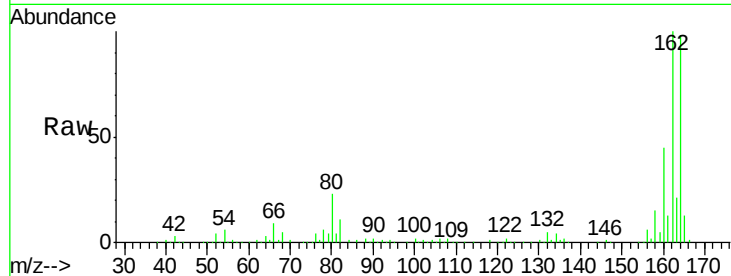




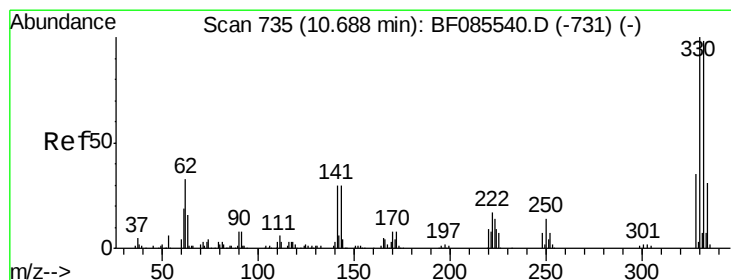
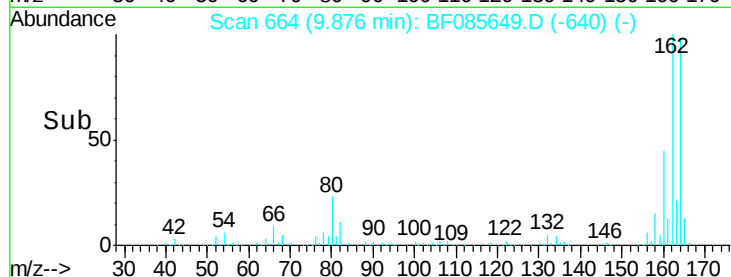
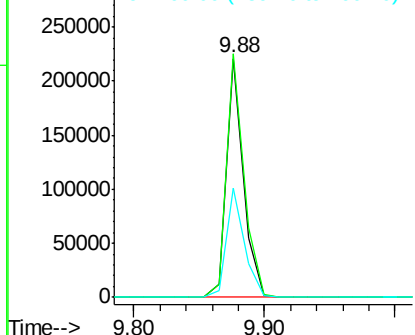
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.88 min Scan# 664  
 Delta R.T. -0.02 min  
 Lab File: BF085649.D  
 Acq: 22 Mar 2016 6:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRACK-D-GRID-11A

Tgt Ion:164 Resp: 199350  
 Ion Ratio Lower Upper  
 164 100  
 162 102.1 82.1 123.1  
 160 46.0 37.4 56.2

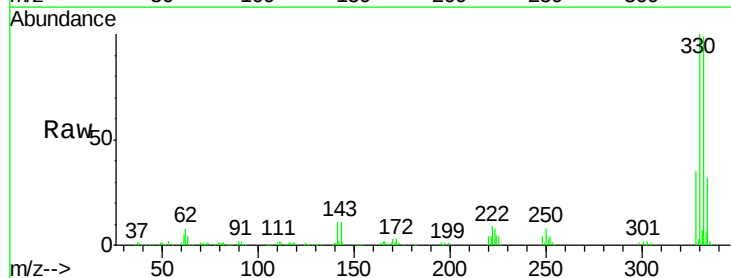


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

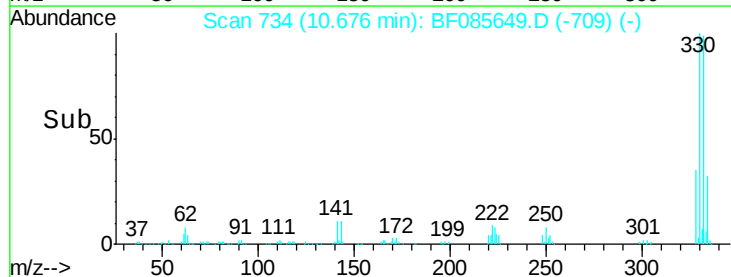
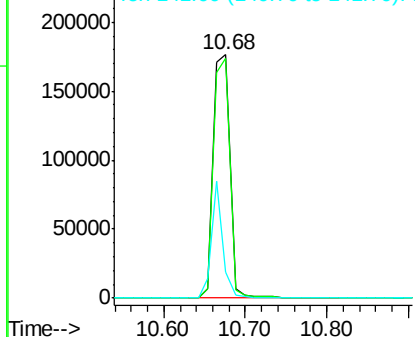


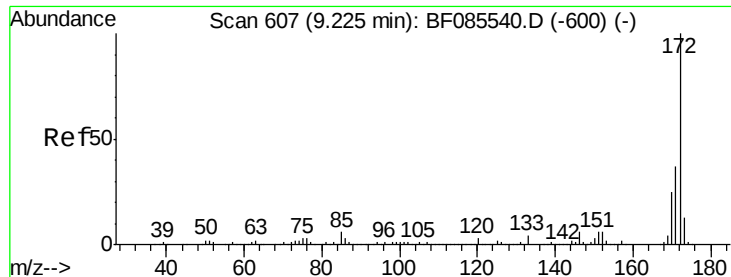
#41  
 2,4,6-Tribromophenol  
 Concen: 129.90 ng  
 RT: 10.68 min Scan# 734  
 Delta R.T. -0.01 min  
 Lab File: BF085649.D  
 Acq: 22 Mar 2016 6:12

Tgt Ion:330 Resp: 253663  
 Ion Ratio Lower Upper  
 330 100  
 332 97.1 78.2 117.2  
 141 33.5 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

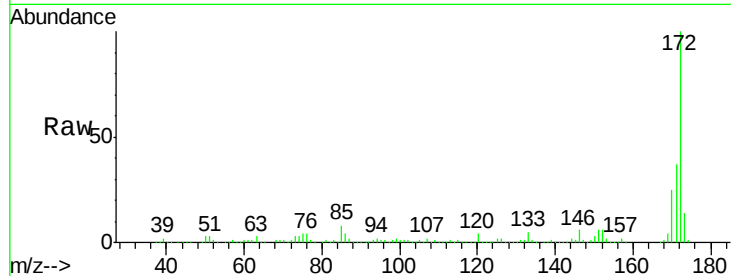




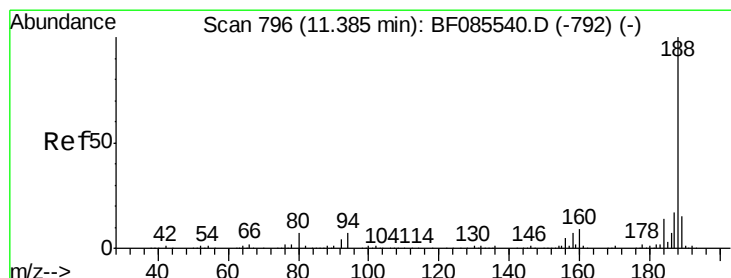
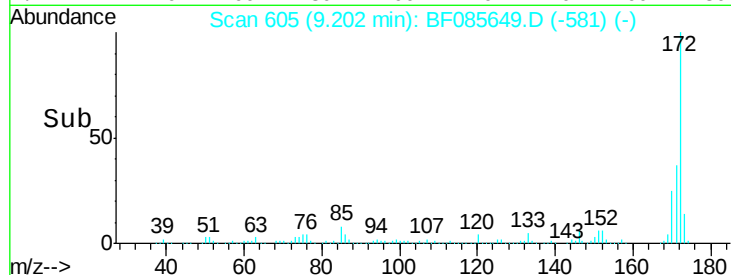
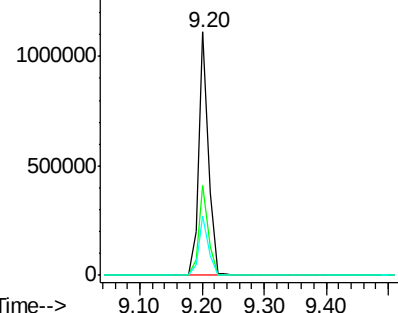
#44  
 2-Fluorobiphenyl  
 Concen: 108.78 ng  
 RT: 9.20 min Scan# 605  
 Delta R.T. -0.02 min  
 Lab File: BF085649.D  
 Acq: 22 Mar 2016 6:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRACK-D-GRID-11A

Tgt Ion:172 Resp: 1183031  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 29.4 44.2  
 170 24.5 19.8 29.6

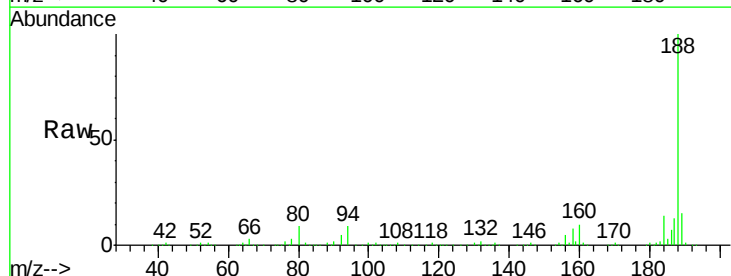


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

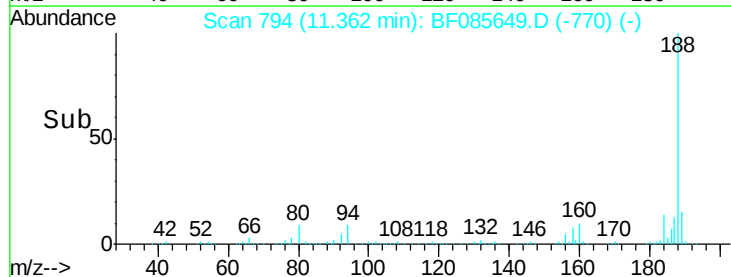
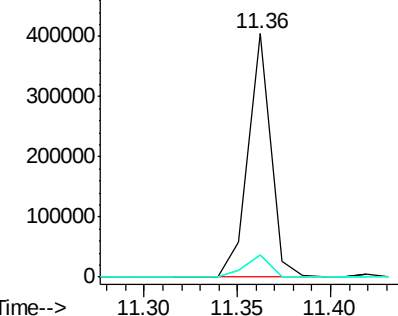


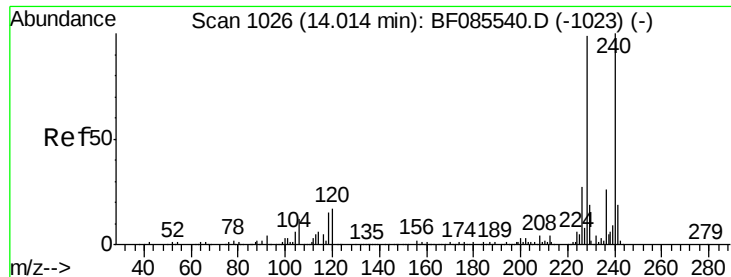
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.36 min Scan# 794  
 Delta R.T. -0.02 min  
 Lab File: BF085649.D  
 Acq: 22 Mar 2016 6:12

Tgt Ion:188 Resp: 338880  
 Ion Ratio Lower Upper  
 188 100  
 94 9.1 5.4 8.0#  
 80 9.1 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: 13.99 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF085649.D

Acq: 22 Mar 2016 6:12

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-GRID-11A

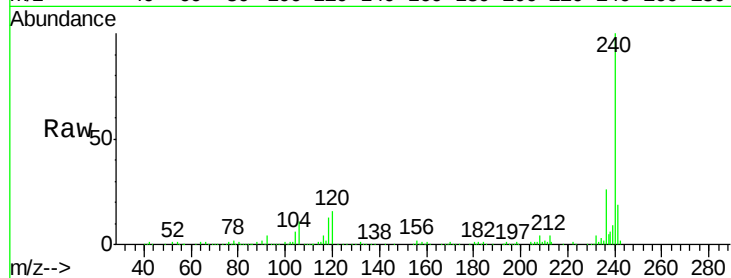
Tgt Ion:240 Resp: 239461

Ion Ratio Lower Upper

240 100

120 15.8 13.8 20.8

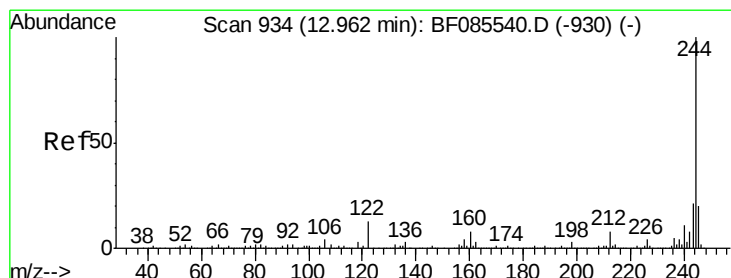
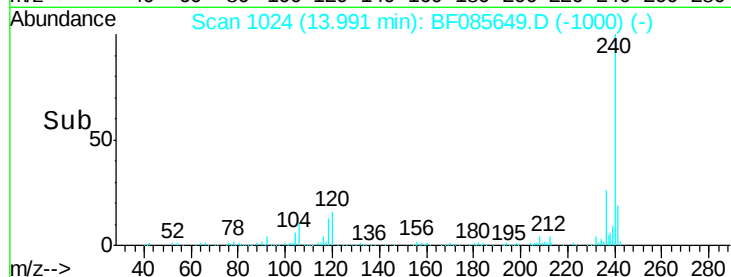
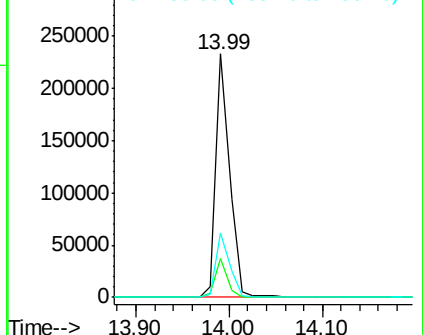
236 26.3 20.6 30.8



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: 99.83 ng

RT: 12.95 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF085649.D

Acq: 22 Mar 2016 6:12

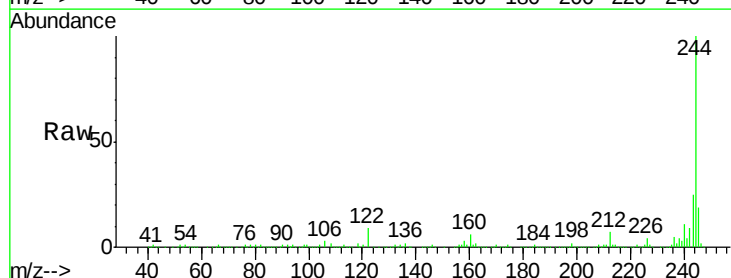
Tgt Ion:244 Resp: 993469

Ion Ratio Lower Upper

244 100

212 6.9 6.1 9.1

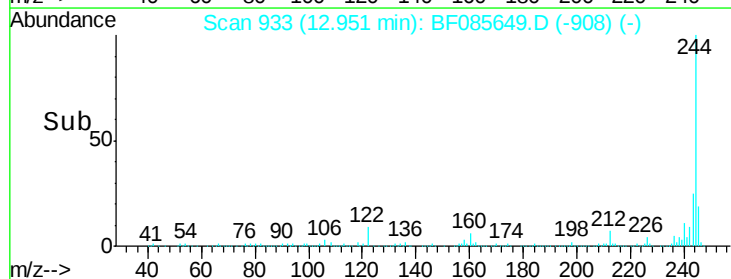
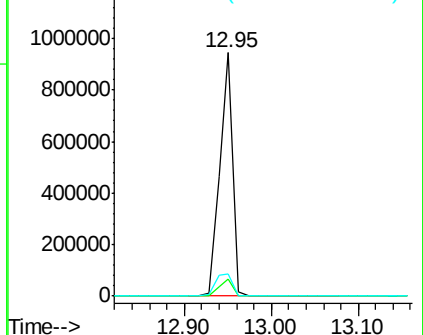
122 8.9 10.2 15.4#

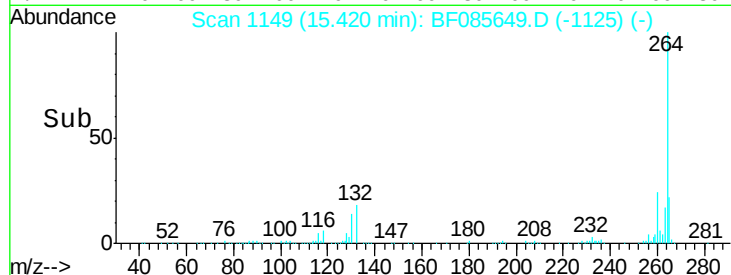
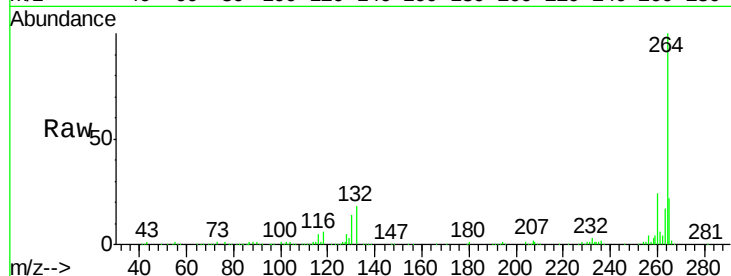
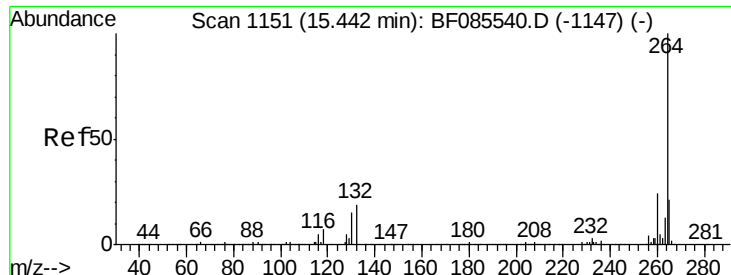


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.42 min Scan# 1149

Delta R.T. -0.02 min

Lab File: BF085649.D

Acq: 22 Mar 2016 6:12

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-GRID-11A

Tgt Ion:264 Resp: 208190

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

265 21.5 17.2 25.8

