

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF030216\  
 Data File : BF085137.D  
 Acq On : 2 Mar 2016 23:34  
 Operator : SJ/IZ  
 Sample : H1623-02  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HSR-WC-29-022516

Quant Time: Mar 03 06:40:28 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 02 13:25:39 2016  
 Response via : Initial Calibration

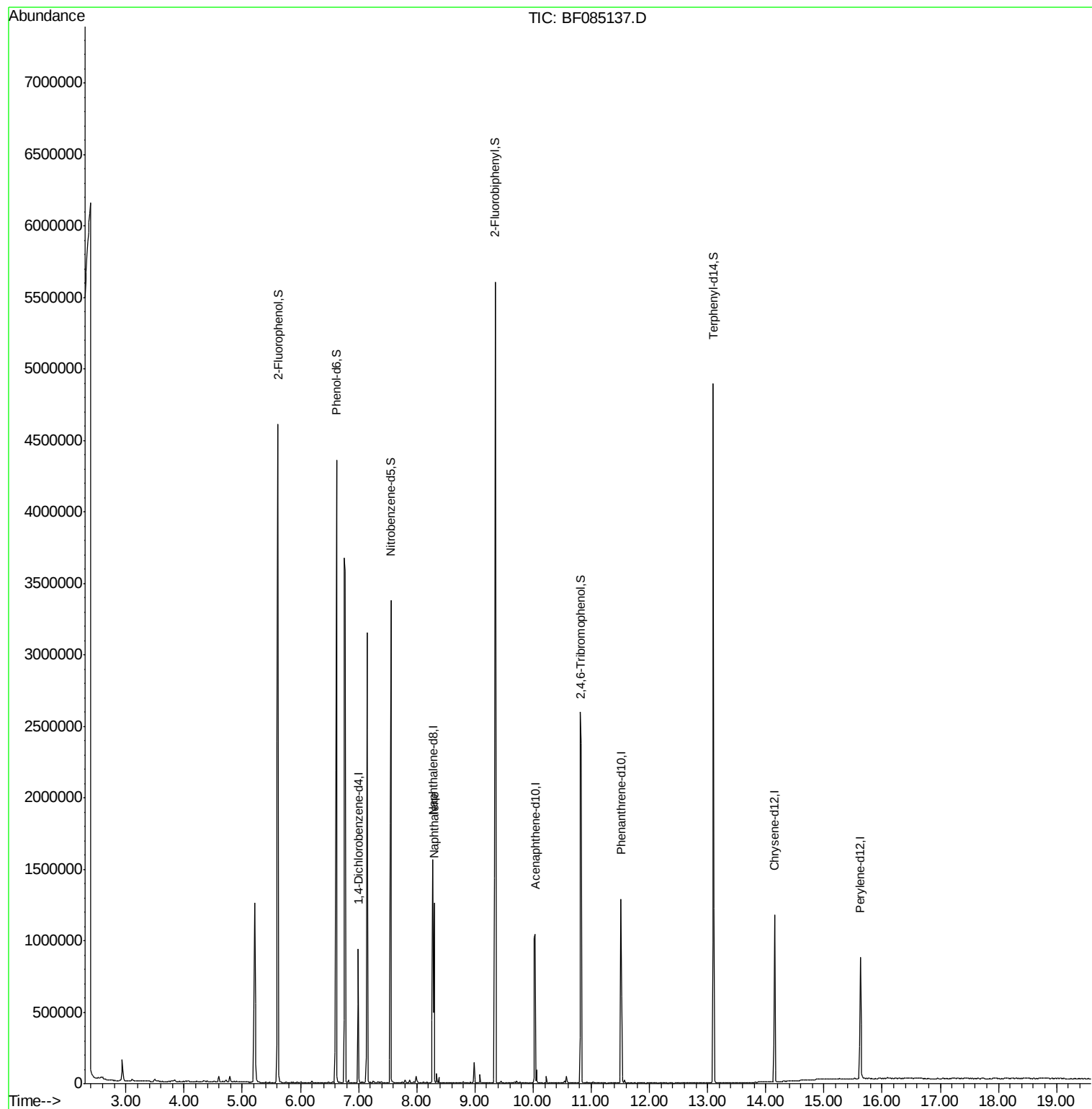
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.00  | 152  | 169146   | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 8.28  | 136  | 695464   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 10.04 | 164  | 306665   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 11.51 | 188  | 523837   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 14.15 | 240  | 386785   | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 15.63 | 264  | 397468   | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.61  | 112  | 1436460  | 137.87 | ng    | 0.03         |
| 7) Phenol-d6                | 6.62  | 99   | 1692081  | 123.88 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 7.56  | 82   | 1288380  | 98.56  | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 10.82 | 330  | 546852   | 177.45 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 9.35  | 172  | 1780779  | 85.52  | ng    | 0.00         |
| 78) Terphenyl-d14           | 13.10 | 244  | 1620245  | 98.27  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 31) Naphthalene             | 8.30  | 128  | 589562   | 16.76  | ng    | Qvalue<br>97 |

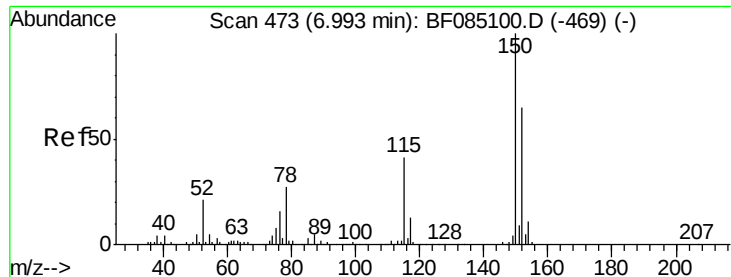
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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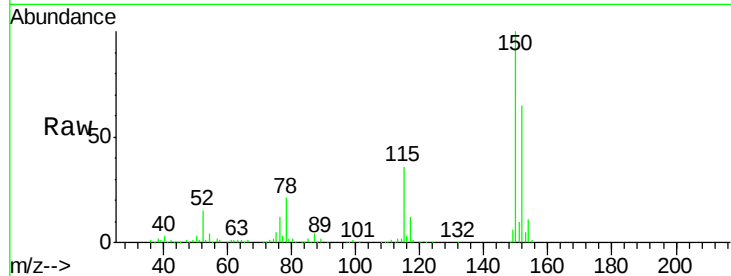


#1

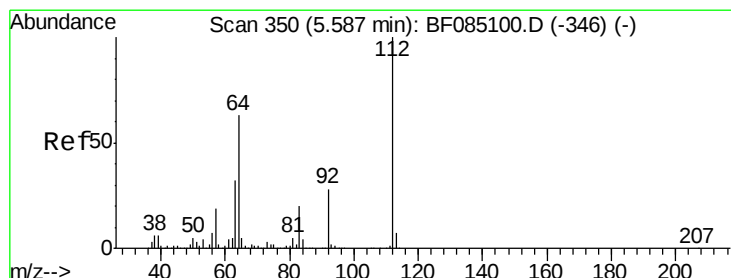
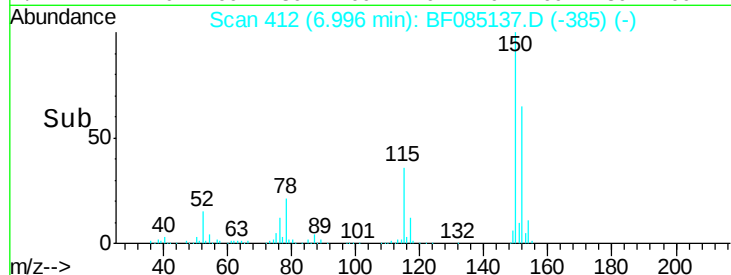
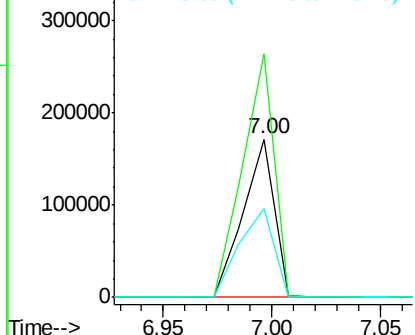
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.00 min Scan# 412  
Delta R.T. 0.00 min  
Lab File: BF085137.D  
Acq: 2 Mar 2016 23:34

Instrument :  
BNA\_F  
ClientSampleId :  
HSR-WC-29-022516

Tgt Ion:152 Resp: 169146  
Ion Ratio Lower Upper  
152 100  
150 154.1 123.4 185.0  
115 56.1 50.0 75.0



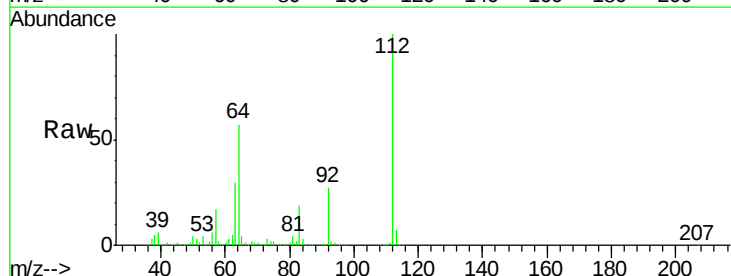
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



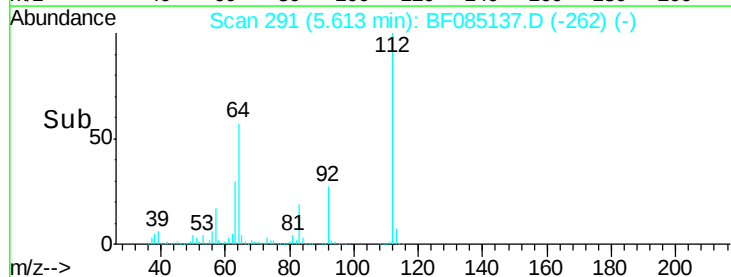
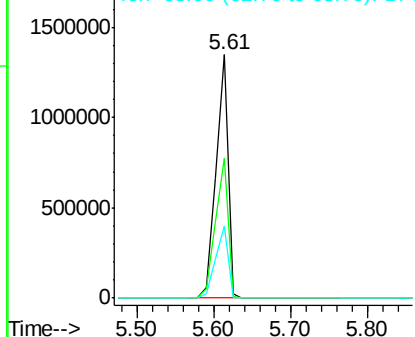
#5

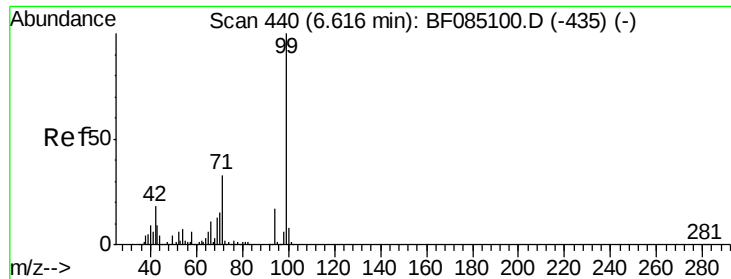
2-Fluorophenol  
Concen: 137.87 ng  
RT: 5.61 min Scan# 291  
Delta R.T. 0.03 min  
Lab File: BF085137.D  
Acq: 2 Mar 2016 23:34

Tgt Ion:112 Resp: 1436460  
Ion Ratio Lower Upper  
112 100  
64 57.4 50.6 76.0  
63 29.5 25.5 38.3



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: 123.88 ng

RT: 6.62 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF085137.D

Acq: 2 Mar 2016 23:34

Instrument :

BNA\_F

ClientSampleId :

HSR-WC-29-022516

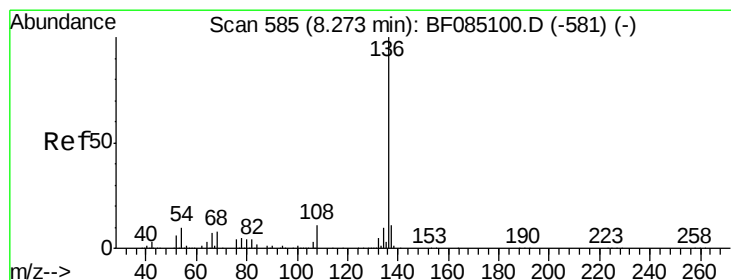
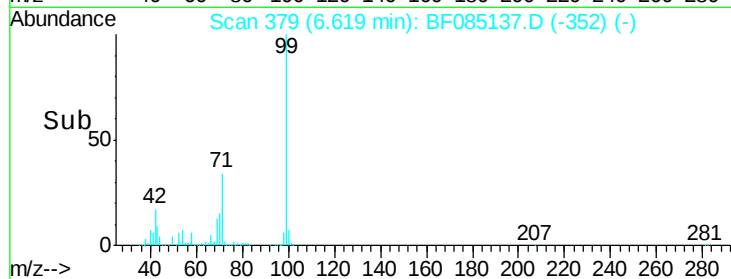
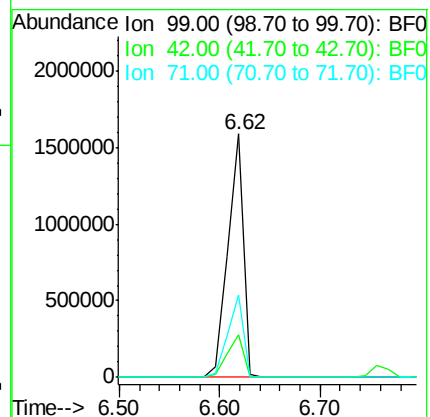
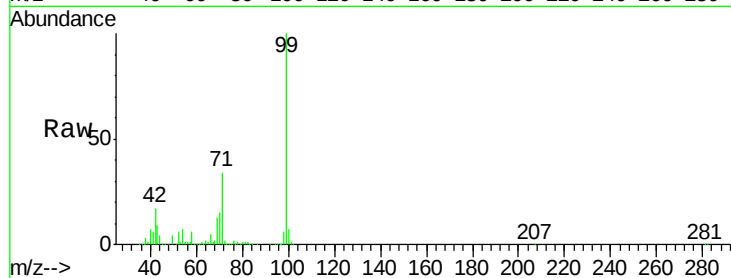
Tgt Ion: 99 Resp: 1692081

Ion Ratio Lower Upper

99 100

42 17.5 14.1 21.1

71 33.9 26.8 40.2



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.28 min Scan# 524

Delta R.T. 0.00 min

Lab File: BF085137.D

Acq: 2 Mar 2016 23:34

Tgt Ion: 136 Resp: 695464

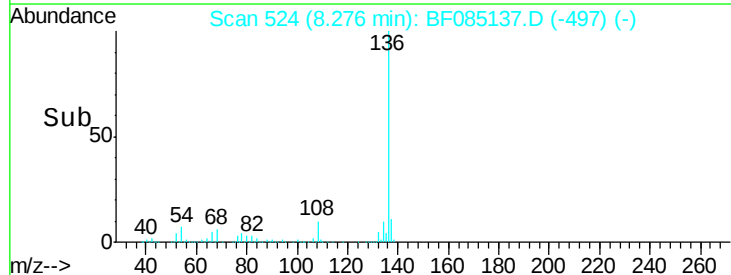
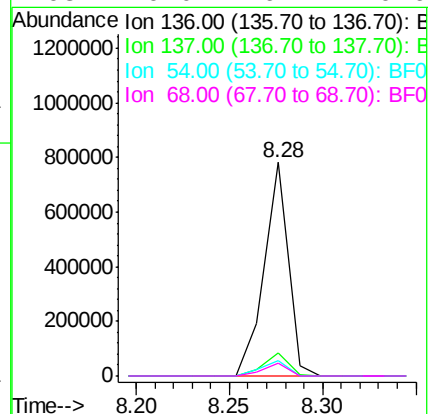
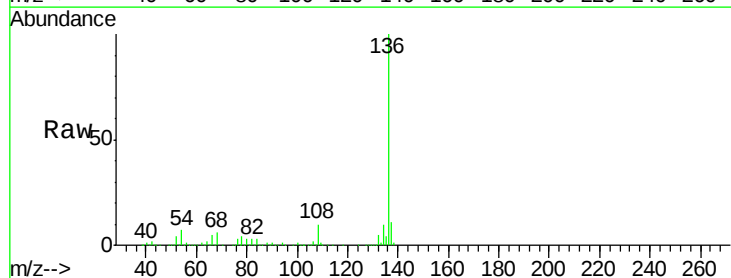
Ion Ratio Lower Upper

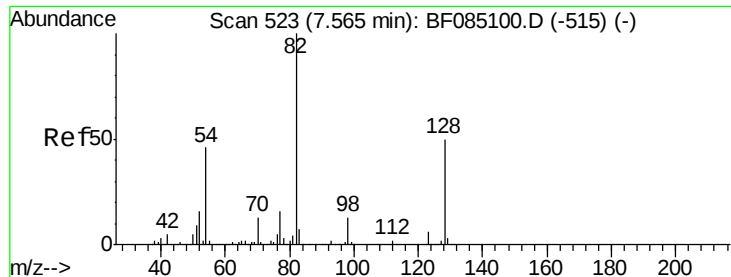
136 100

137 11.1 9.1 13.7

54 7.4 8.5 12.7#

68 6.0 6.4 9.6#

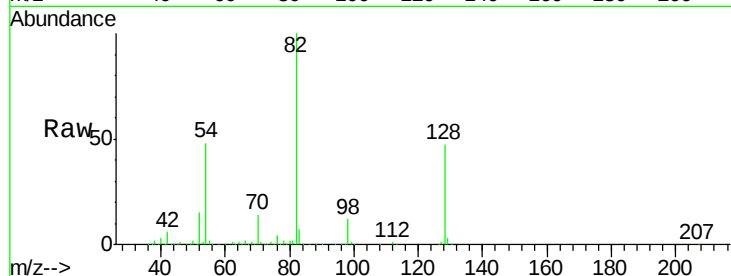




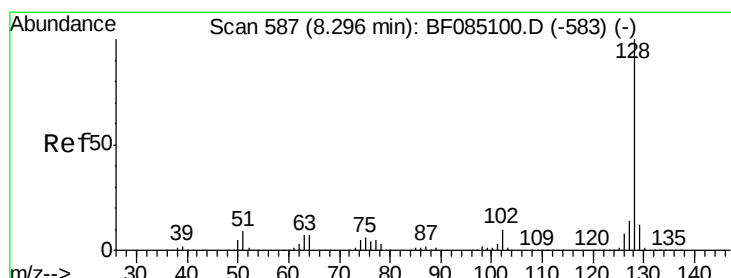
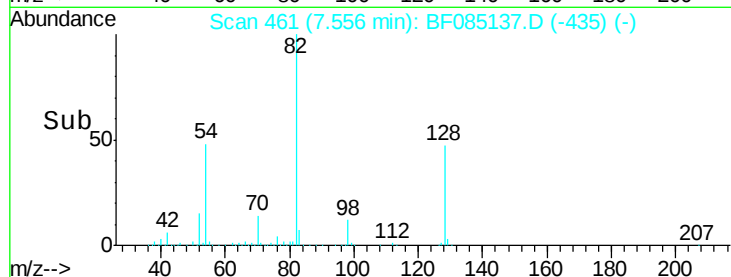
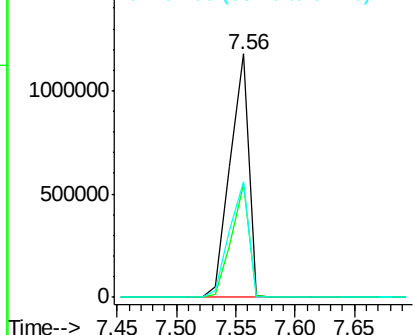
#23  
Nitrobenzene-d5  
Concen: 98.56 ng  
RT: 7.56 min Scan# 461  
Delta R.T. -0.01 min  
Lab File: BF085137.D  
Acq: 2 Mar 2016 23:34

Instrument :  
BNA\_F  
ClientSampleId :  
HSR-WC-29-022516

Tgt Ion: 82 Resp: 1288380  
Ion Ratio Lower Upper  
82 100  
128 46.7 39.8 59.6  
54 47.5 36.6 54.8

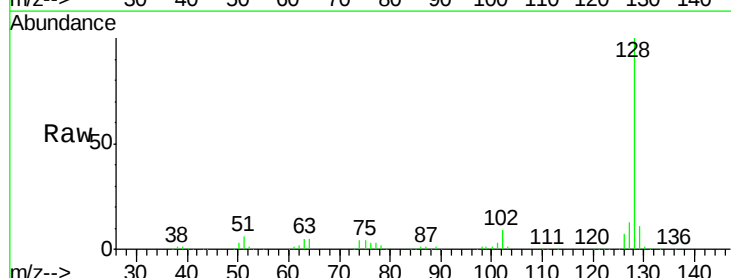


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0

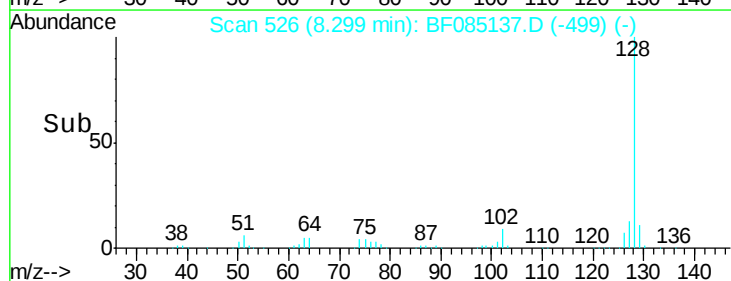
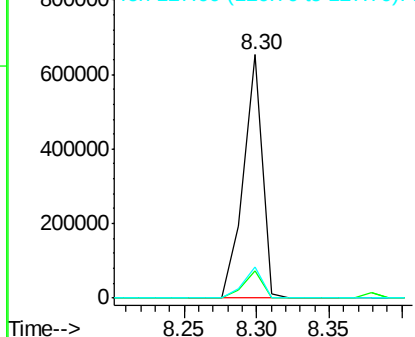


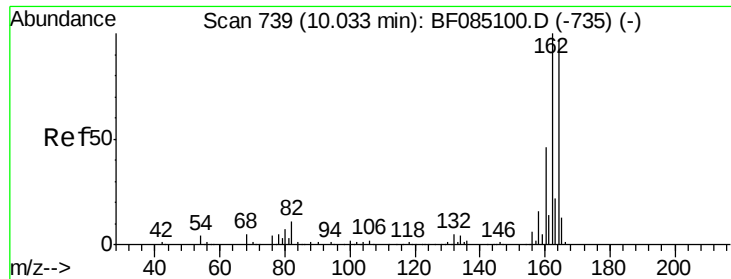
#31  
Naphthalene  
Concen: 16.76 ng  
RT: 8.30 min Scan# 526  
Delta R.T. 0.00 min  
Lab File: BF085137.D  
Acq: 2 Mar 2016 23:34

Tgt Ion: 128 Resp: 589562  
Ion Ratio Lower Upper  
128 100  
129 11.0 9.7 14.5  
127 12.9 11.1 16.7



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

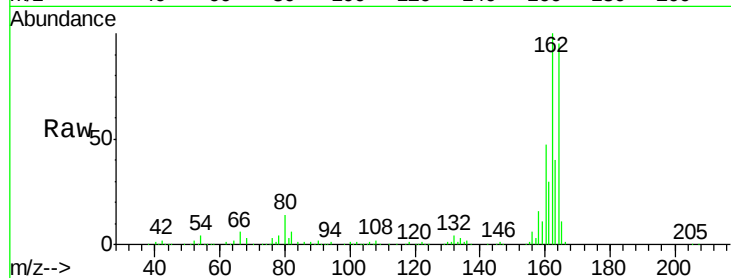




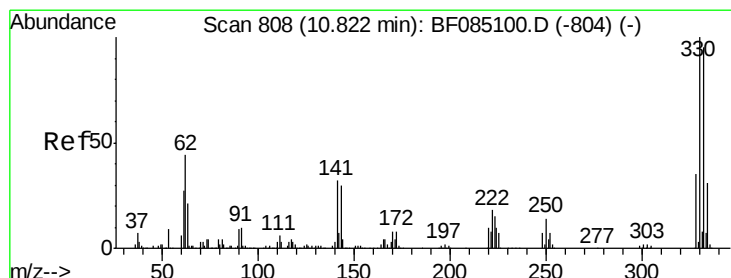
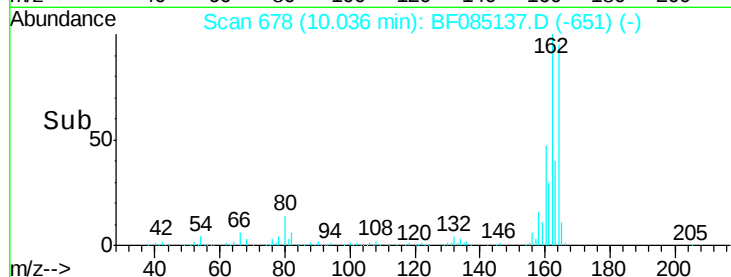
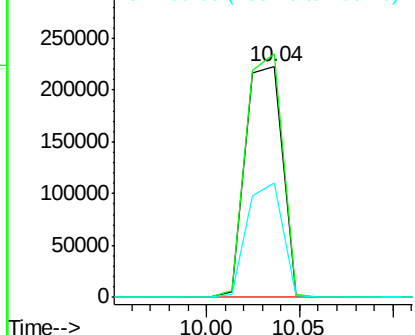
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.04 min Scan# 678  
 Delta R.T. 0.00 min  
 Lab File: BF085137.D  
 Acq: 2 Mar 2016 23:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HSR-WC-29-022516

Tgt Ion:164 Resp: 306665  
 Ion Ratio Lower Upper  
 164 100  
 162 105.5 82.6 123.8  
 160 49.8 38.2 57.2

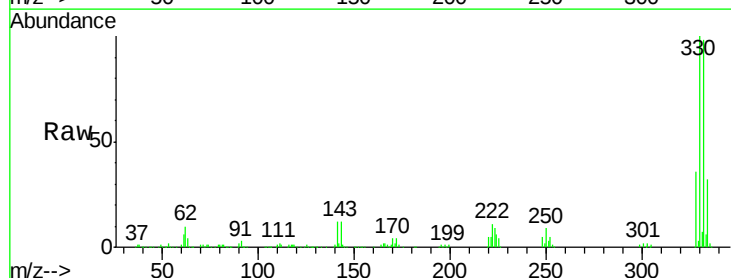


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

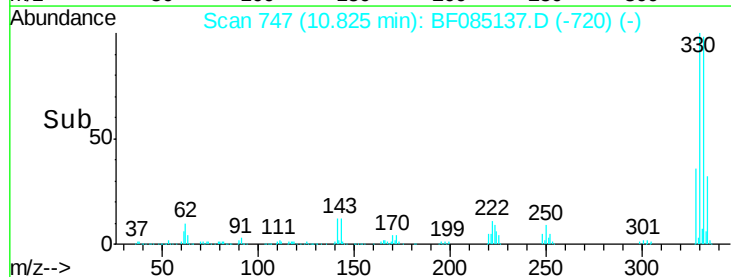
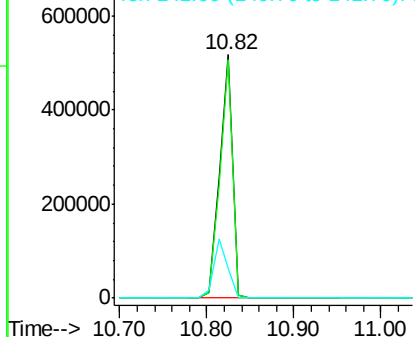


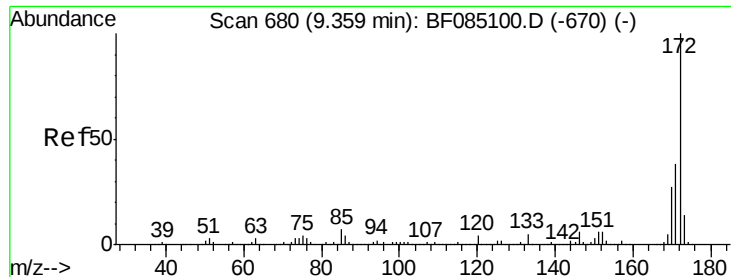
#41  
 2,4,6-Tribromophenol  
 Concen: 177.45 ng  
 RT: 10.82 min Scan# 747  
 Delta R.T. 0.00 min  
 Lab File: BF085137.D  
 Acq: 2 Mar 2016 23:34

Tgt Ion:330 Resp: 546852  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 75.9 113.9  
 141 26.3 28.9 43.3#



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

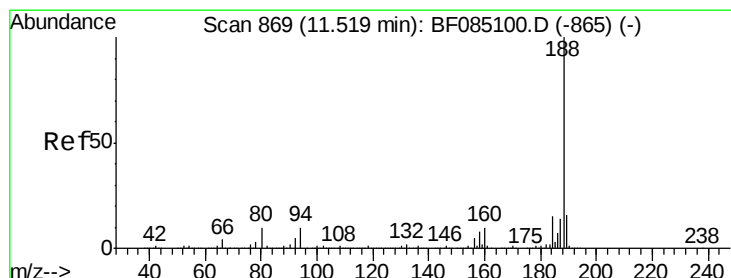
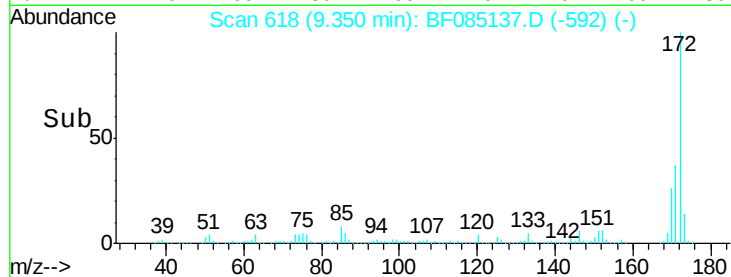
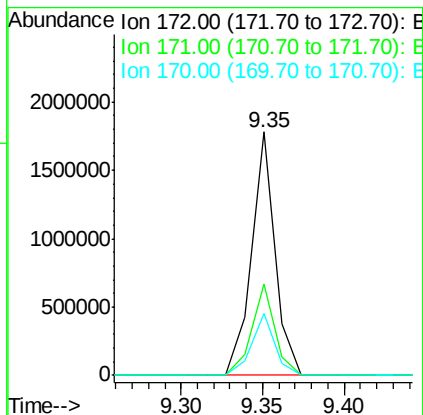
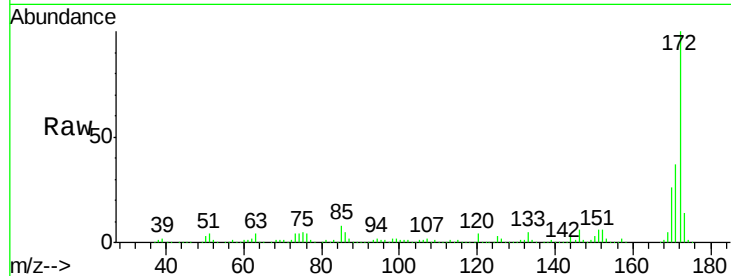




#44  
 2-Fluorobiphenyl  
 Concen: 85.52 ng  
 RT: 9.35 min Scan# 618  
 Delta R.T. -0.01 min  
 Lab File: BF085137.D  
 Acq: 2 Mar 2016 23:34

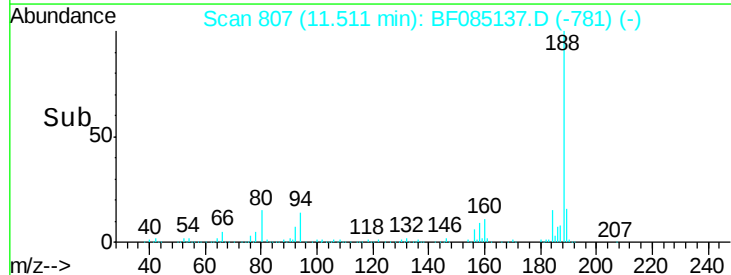
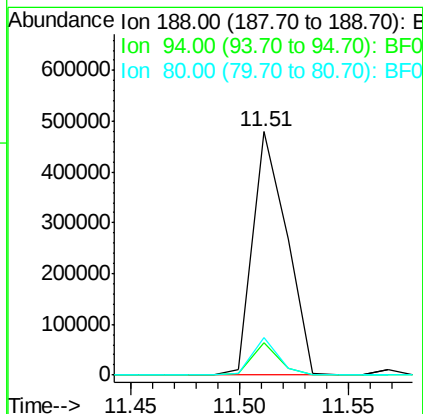
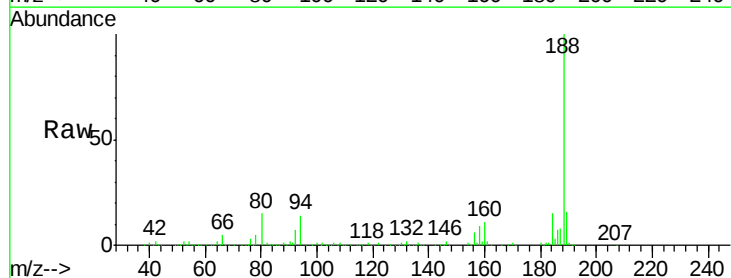
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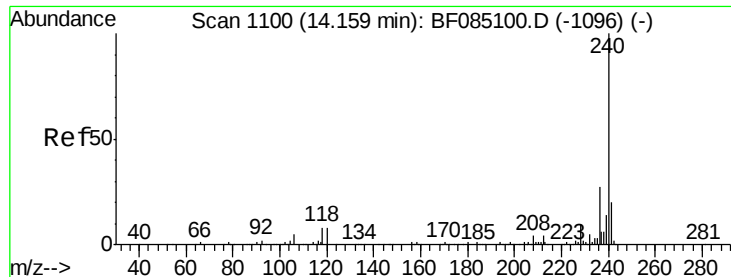
Tgt Ion:172 Resp: 1780779  
 Ion Ratio Lower Upper  
 172 100  
 171 37.5 30.5 45.7  
 170 25.5 21.2 31.8



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.51 min Scan# 807  
 Delta R.T. -0.01 min  
 Lab File: BF085137.D  
 Acq: 2 Mar 2016 23:34

Tgt Ion:188 Resp: 523837  
 Ion Ratio Lower Upper  
 188 100  
 94 13.6 7.8 11.6#  
 80 15.5 8.2 12.4#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.15 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF085137.D

Acq: 2 Mar 2016 23:34

Instrument :

BNA\_F

ClientSampleId :

HSR-WC-29-022516

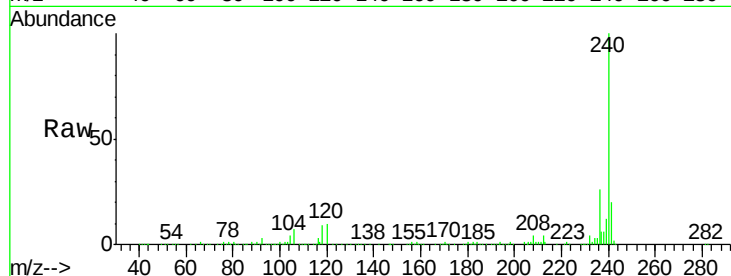
Tgt Ion:240 Resp: 386785

Ion Ratio Lower Upper

240 100

120 10.5 6.7 10.1#

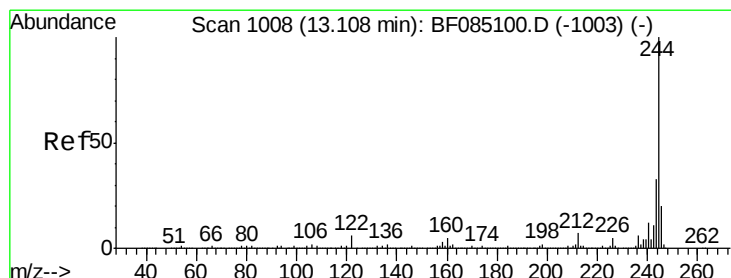
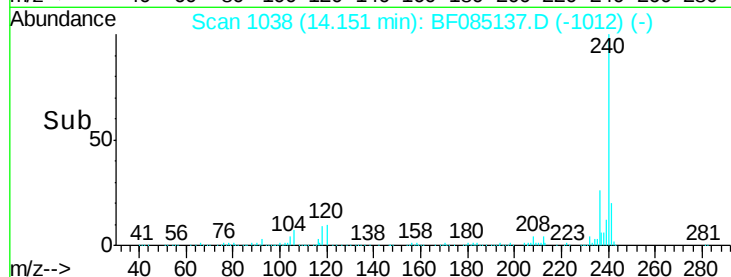
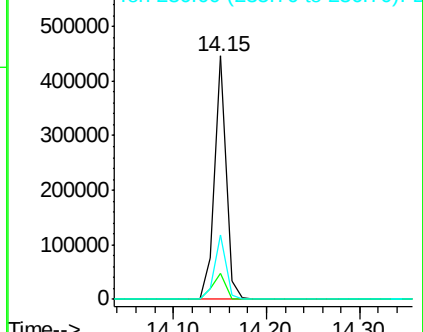
236 26.3 21.6 32.4



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: 98.27 ng

RT: 13.10 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF085137.D

Acq: 2 Mar 2016 23:34

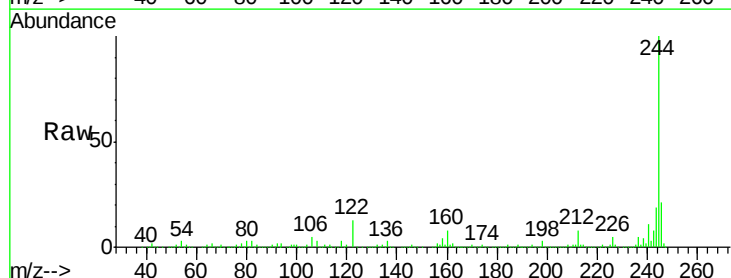
Tgt Ion:244 Resp: 1620245

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

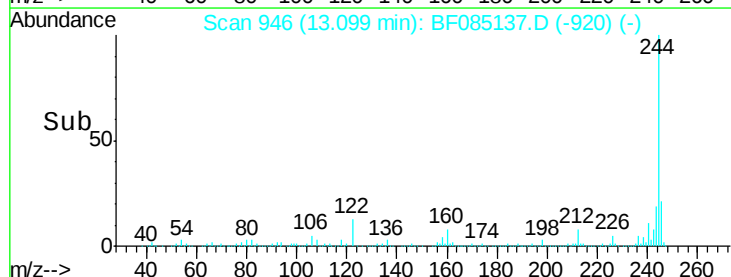
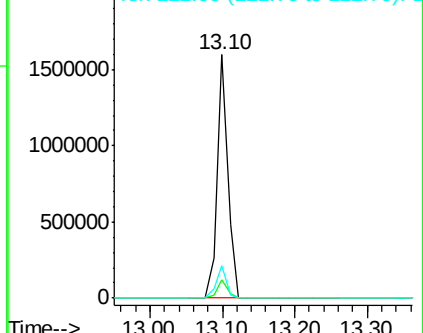
122 13.4 5.1 7.7#

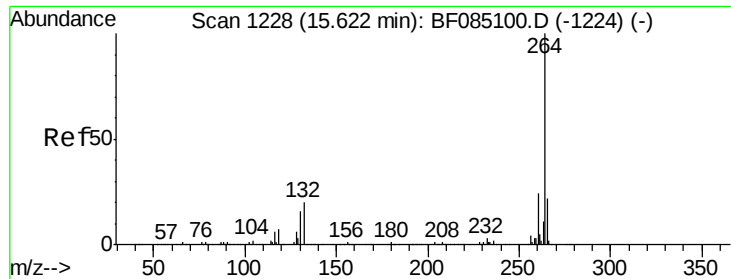


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

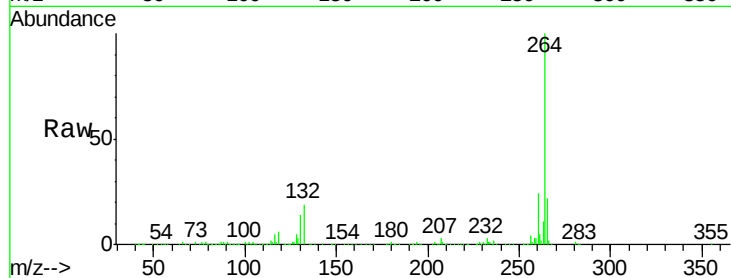




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.63 min Scan# 1167  
Delta R.T. 0.00 min  
Lab File: BF085137.D  
Acq: 2 Mar 2016 23:34

Instrument :  
BNA\_F  
ClientSampleId :  
HSR-WC-29-022516

Tgt Ion: 264 Resp: 397468  
Ion Ratio Lower Upper  
264 100  
260 24.3 19.6 29.4  
265 21.6 17.4 26.2



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

