

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\  
 Data File : BF089484.D  
 Acq On : 31 Jul 2016 21:48  
 Operator : UM/SJ  
 Sample : H4251-09 10X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 KSS-4

Quant Time: Aug 01 06:46:58 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 01 04:11:30 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.49  | 152  | 32363    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 7.78  | 136  | 110794   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.52  | 164  | 47197    | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 10.99 | 188  | 88448    | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 13.61 | 240  | 96568    | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 14.94 | 264  | 72710    | 20.00 | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.07  | 112  | 6282     | 3.10  | ng    | 0.01     |
| 7) Phenol-d6                | 6.17  | 99   | 9793     | 3.66  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.07  | 82   | 5969     | 3.18  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.31 | 330  | 1279     | 3.27  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 8.86  | 172  | 11715    | 3.64  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.57 | 244  | 11869    | 2.88  | ng    | -0.01    |

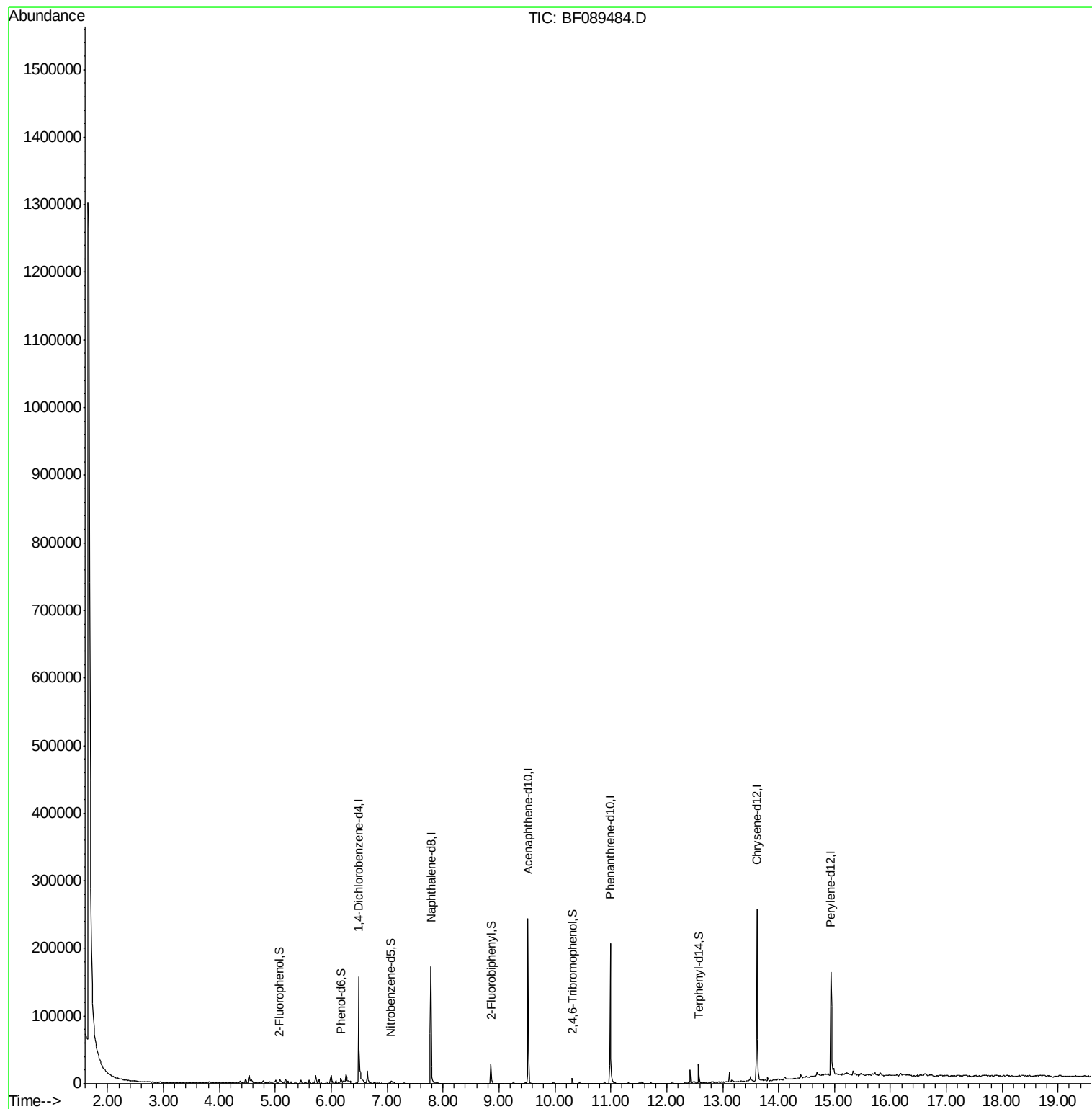
Target Compounds Qvalue

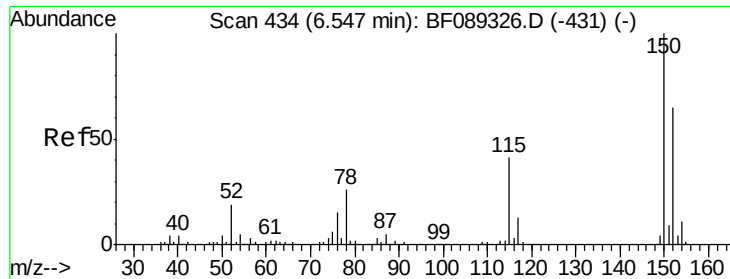
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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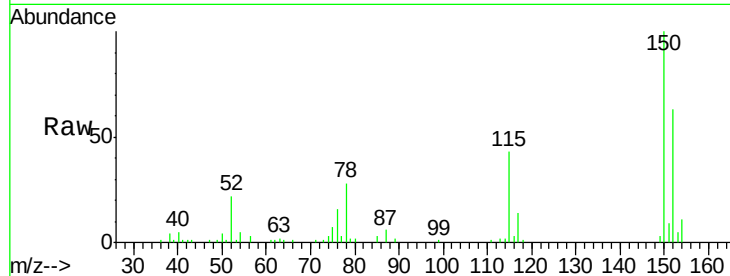


#1

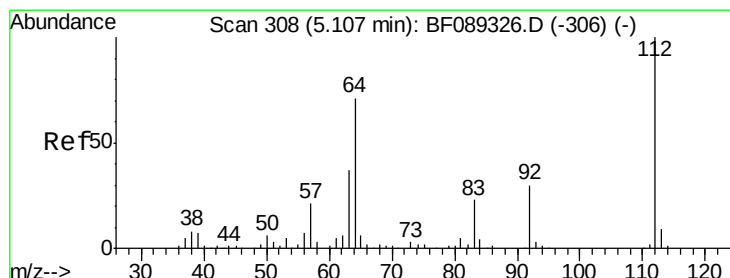
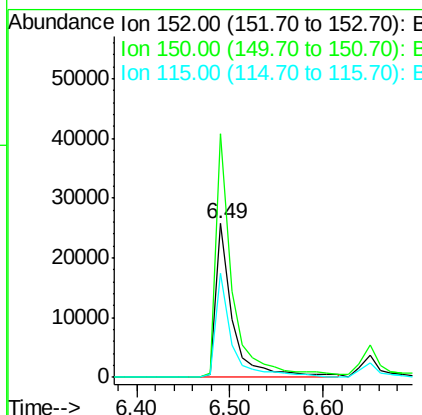
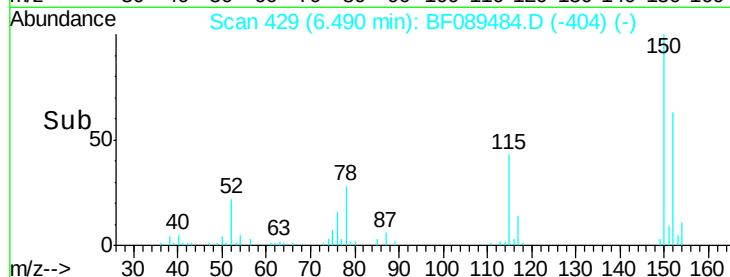
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.49 min Scan# 429  
Delta R.T. -0.01 min  
Lab File: BF089484.D  
Acq: 31 Jul 2016 21:48

Instrument :  
BNA\_F  
ClientSampled :  
KSS-4

Tot Ion:152 Resp: 32363  
Ion Ratio Lower Upper  
152 100  
150 158.6 129.5 194.3  
115 67.4 51.4 77.2



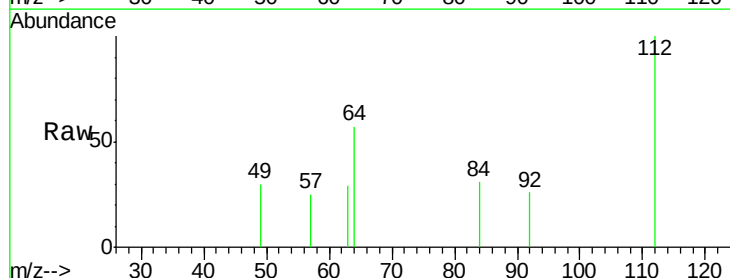
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



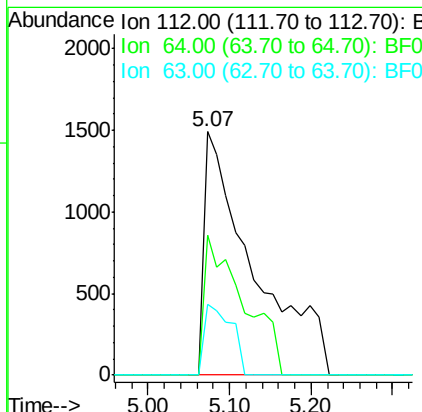
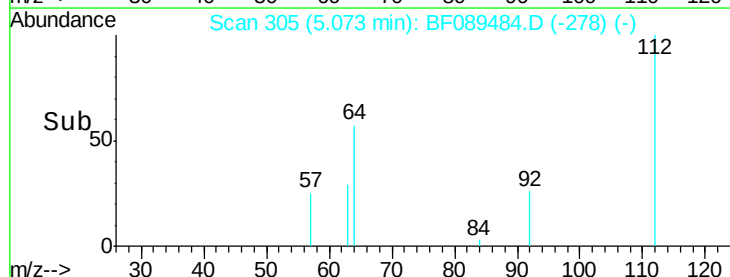
#5

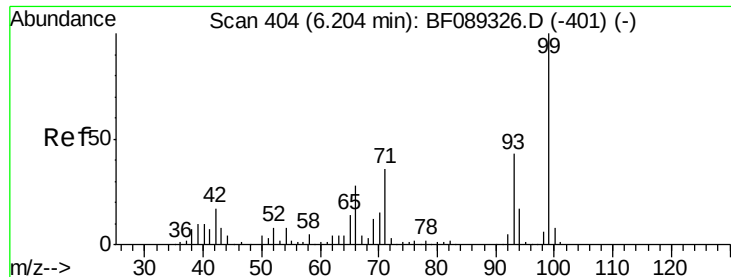
2-Fluorophenol  
Concen: 3.10 ng  
RT: 5.07 min Scan# 305  
Delta R.T. 0.01 min  
Lab File: BF089484.D  
Acq: 31 Jul 2016 21:48

Tgt Ion:112 Resp: 6282  
Ion Ratio Lower Upper  
112 100  
64 57.5 55.0 82.6  
63 29.2 29.4 44.2#



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: 3.66 ng

RT: 6.17 min Scan# 401

Delta R.T. 0.00 min

Lab File: BF089484.D

Acq: 31 Jul 2016 21:48

Instrument :

BNA\_F

ClientSampleId :

KSS-4

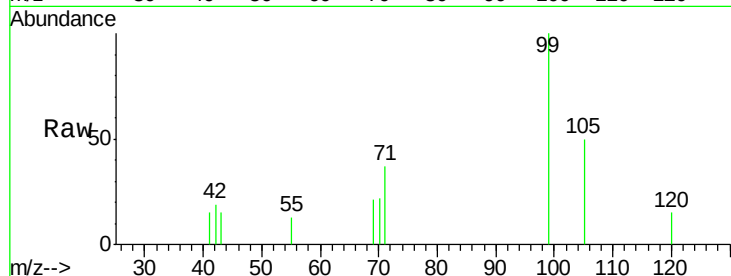
Tot Ion: 99 Resp: 9793

Ion Ratio Lower Upper

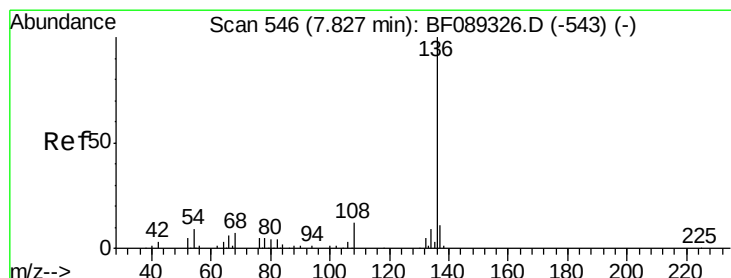
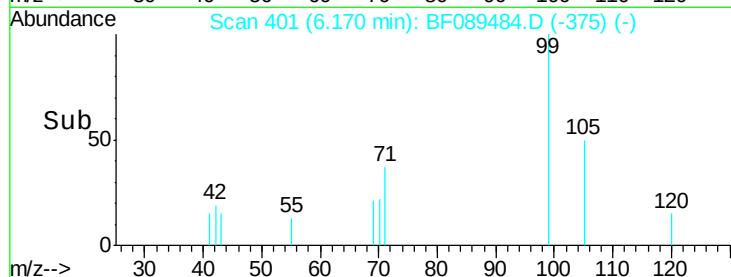
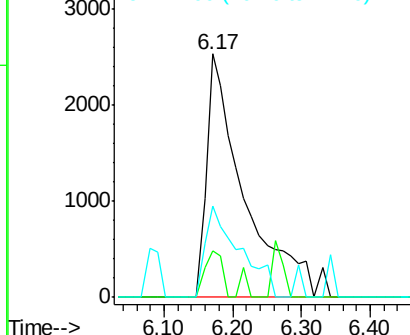
99 100

42 18.8 13.6 20.4

71 37.5 29.4 44.2



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: 7.78 min Scan# 542

Delta R.T. -0.01 min

Lab File: BF089484.D

Acq: 31 Jul 2016 21:48

Tgt Ion: 136 Resp: 110794

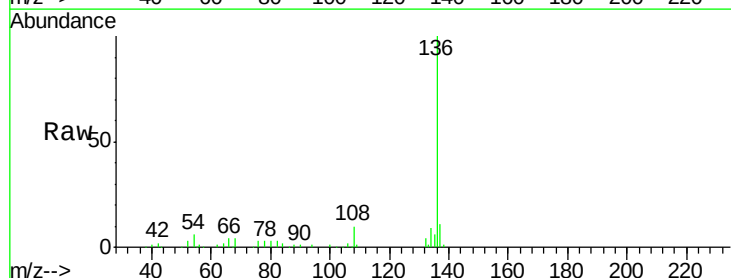
Ion Ratio Lower Upper

136 100

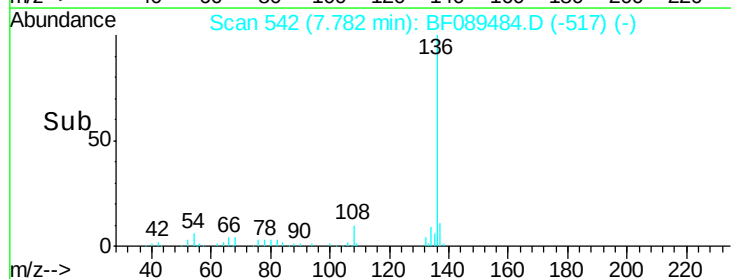
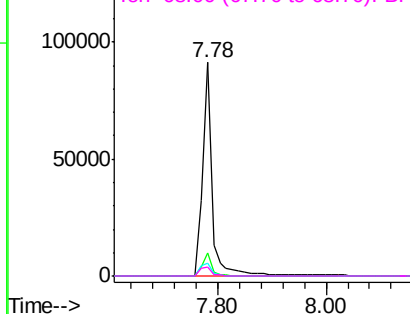
137 10.8 8.6 13.0

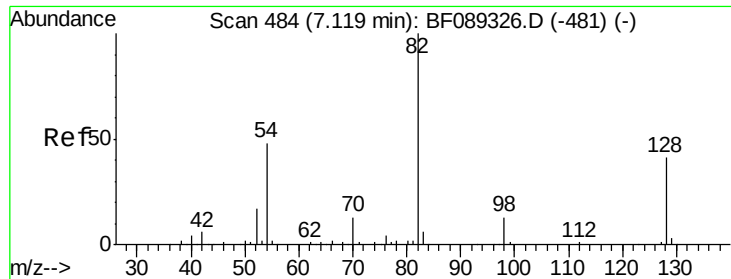
54 6.0 7.0 10.4#

68 4.4 4.9 7.3#



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

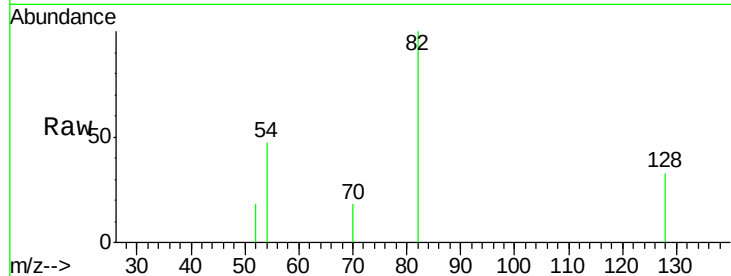




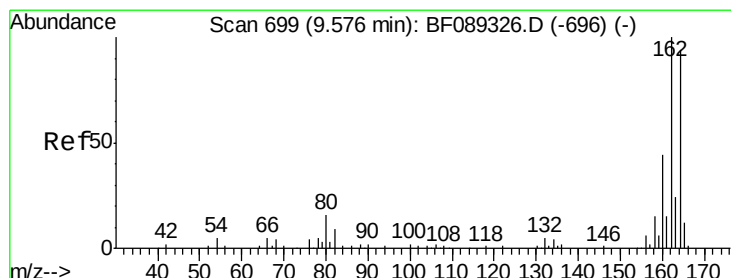
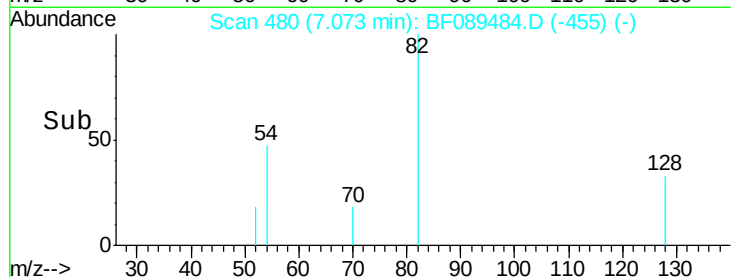
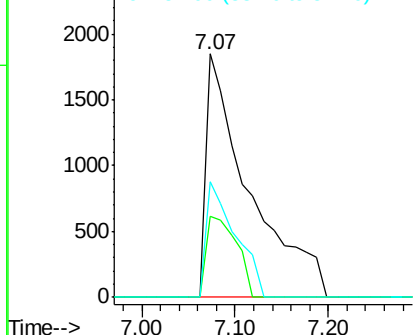
#23  
 Nitrobenzene-d5  
 Concen: 3.18 ng  
 RT: 7.07 min Scan# 480  
 Delta R.T. -0.01 min  
 Lab File: BF089484.D  
 Acq: 31 Jul 2016 21:48

Instrument :  
 BNA\_F  
 ClientSampleID :  
 KSS-4

Tot Ion: 82 Resp: 5969  
 Ion Ratio Lower Upper  
 82 100  
 128 33.0 32.5 48.7  
 54 47.3 38.8 58.2

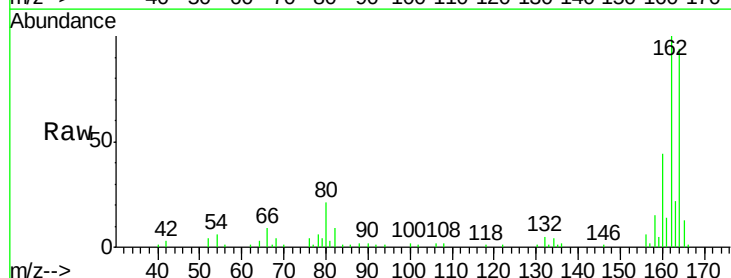


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

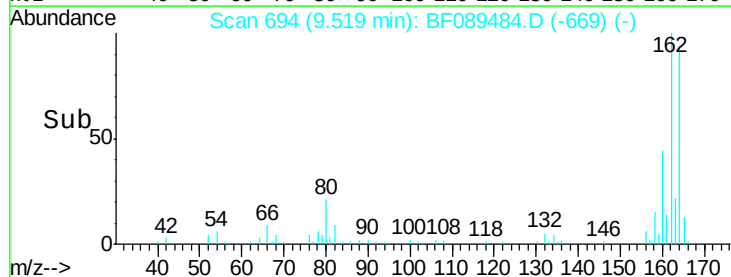
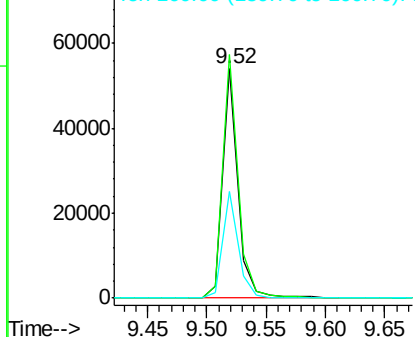


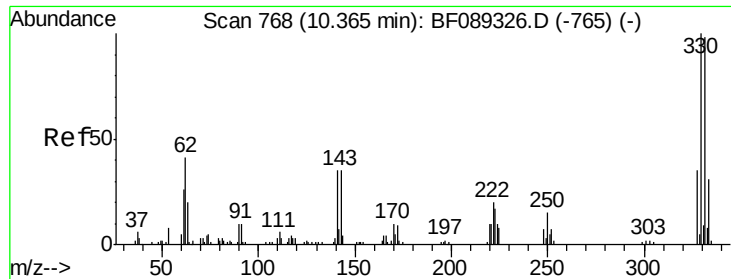
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.52 min Scan# 694  
 Delta R.T. -0.01 min  
 Lab File: BF089484.D  
 Acq: 31 Jul 2016 21:48

Tgt Ion: 164 Resp: 47197  
 Ion Ratio Lower Upper  
 164 100  
 162 106.3 83.7 125.5  
 160 46.8 37.8 56.6



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

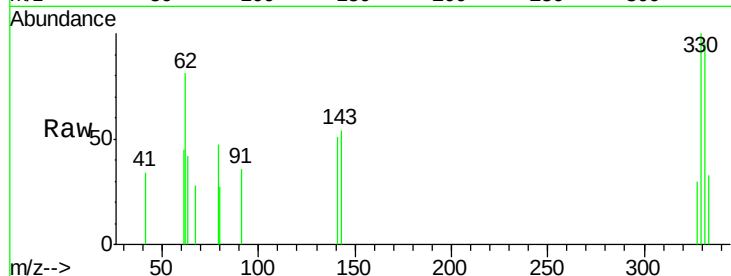




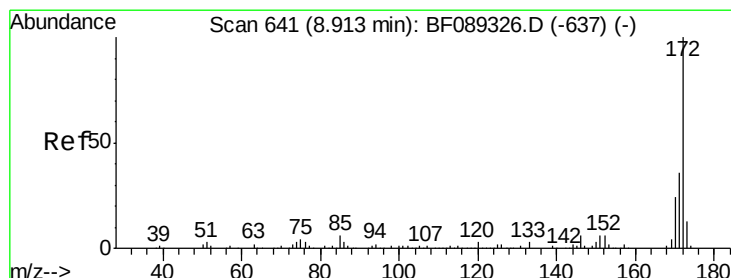
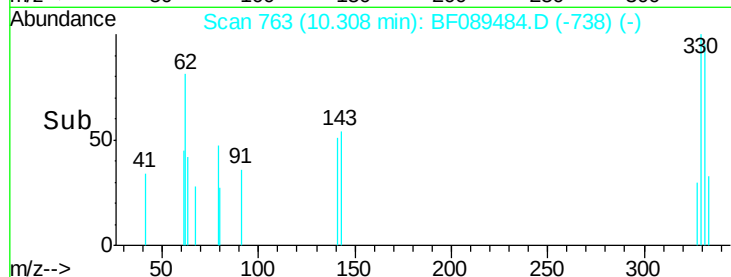
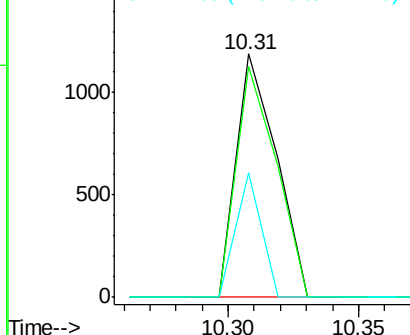
#41  
 2,4,6-Tribromophenol  
 Concen: 3.27 ng  
 RT: 10.31 min Scan# 763  
 Delta R.T. -0.01 min  
 Lab File: BF089484.D  
 Acq: 31 Jul 2016 21:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 KSS-4

Tot Ion:330 Resp: 1279  
 Ion Ratio Lower Upper  
 330 100  
 332 94.6 76.8 115.2  
 141 32.7 37.3 55.9#

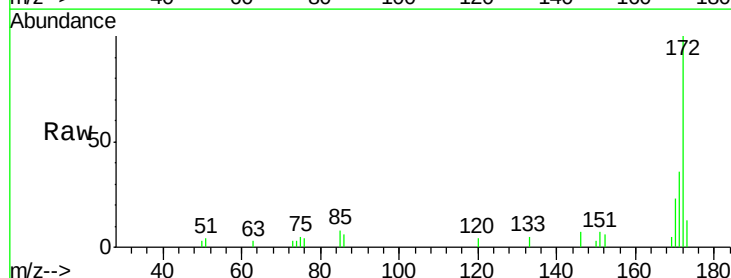


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

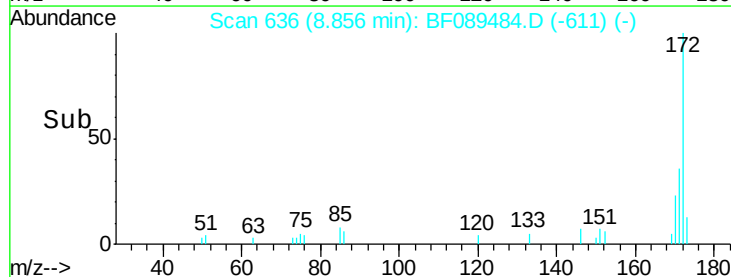
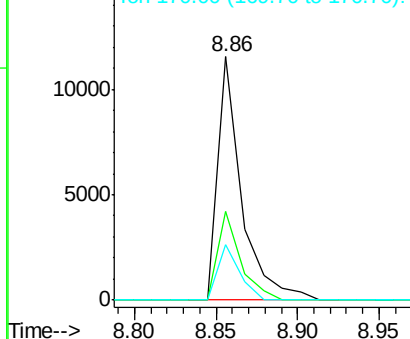


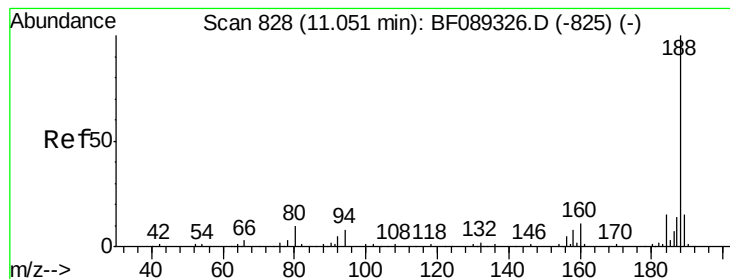
#44  
 2-Fluorobiphenyl  
 Concen: 3.64 ng  
 RT: 8.86 min Scan# 636  
 Delta R.T. -0.01 min  
 Lab File: BF089484.D  
 Acq: 31 Jul 2016 21:48

Tgt Ion:172 Resp: 11715  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 29.2 43.8  
 170 22.8 19.2 28.8



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: 10.99 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF089484.D

Acq: 31 Jul 2016 21:48

Instrument :

BNA\_F

ClientSampled :

KSS-4

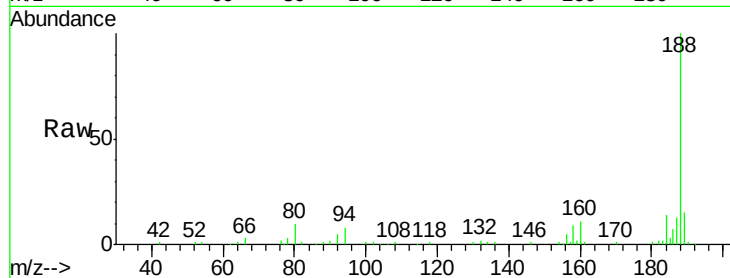
Tot Ion:188 Resp: 88448

Ion Ratio Lower Upper

188 100

94 8.4 6.5 9.7

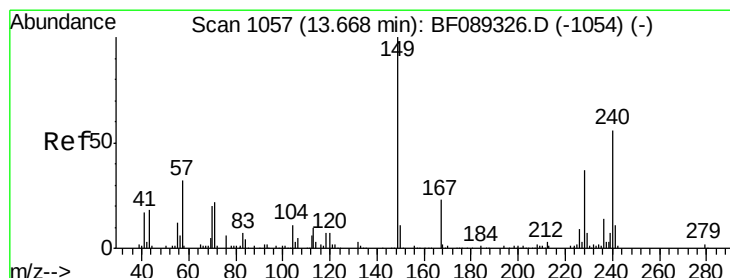
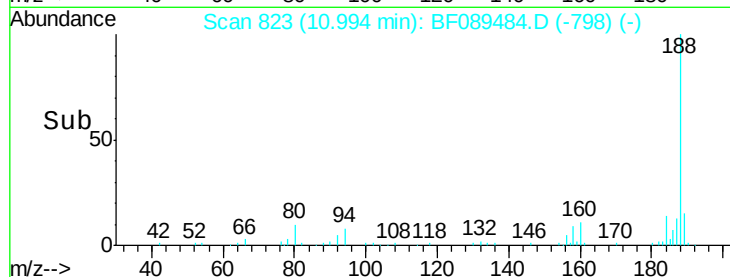
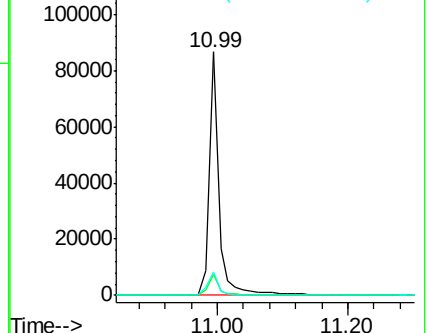
80 9.7 7.2 10.8



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: 13.61 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BF089484.D

Acq: 31 Jul 2016 21:48

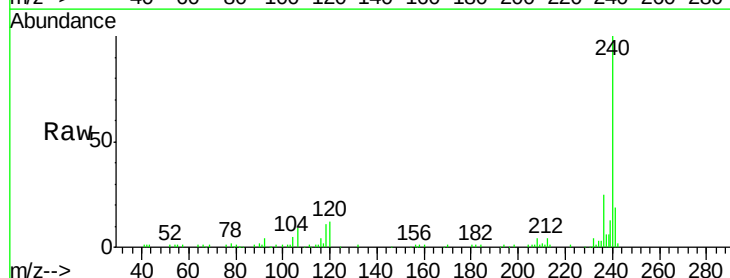
Tgt Ion:240 Resp: 96568

Ion Ratio Lower Upper

240 100

120 11.6 9.1 13.7

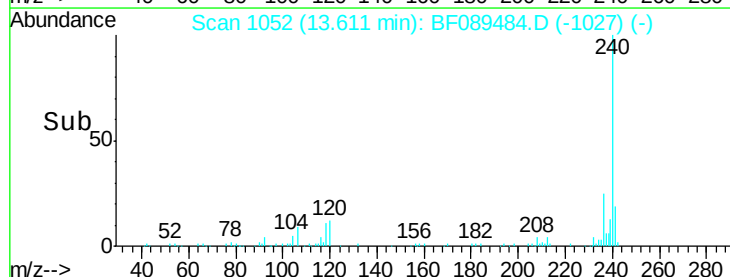
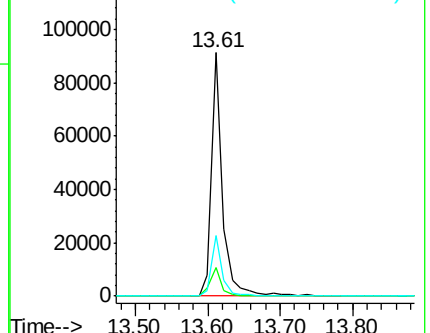
236 24.7 20.6 30.8

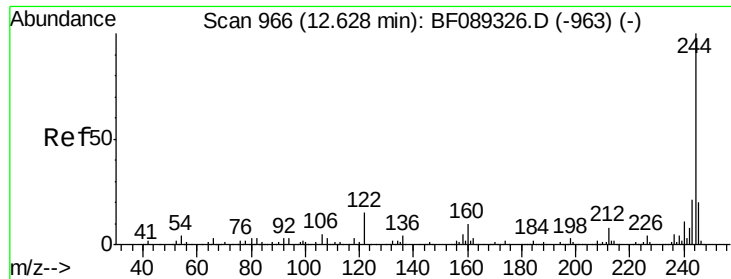


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

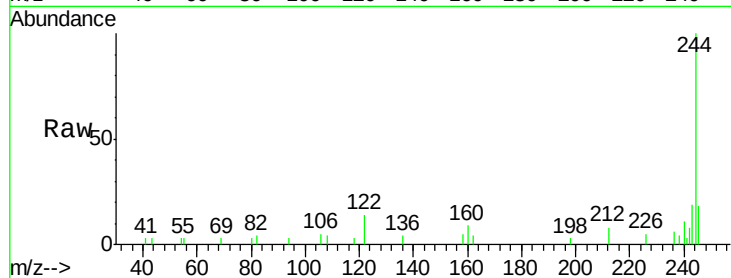




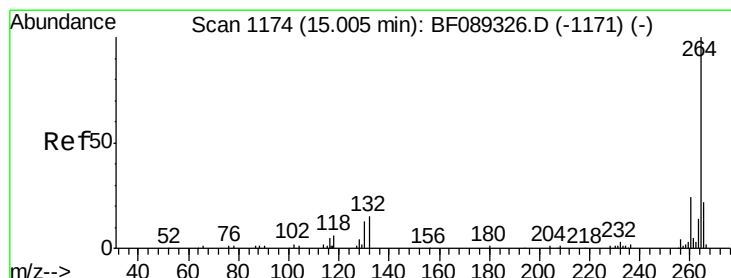
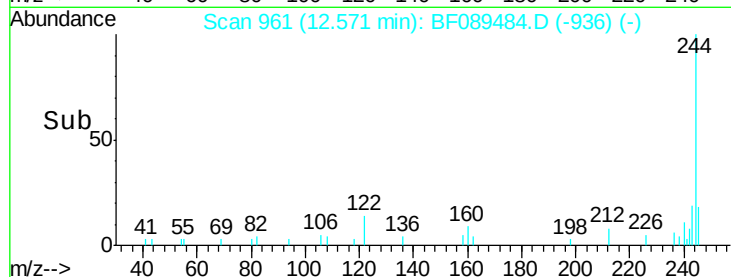
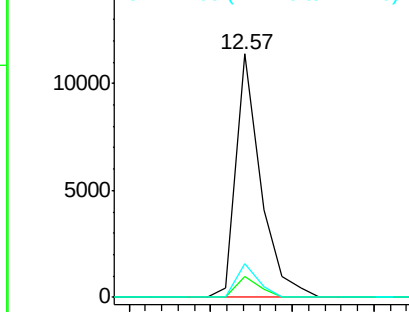
#78  
 Terphenyl-d14  
 Concen: 2.88 ng  
 RT: 12.57 min Scan# 961  
 Delta R.T. -0.01 min  
 Lab File: BF089484.D  
 Acq: 31 Jul 2016 21:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 KSS-4

Tot Ion:244 Resp: 11869  
 Ion Ratio Lower Upper  
 244 100  
 212 8.4 6.5 9.7  
 122 13.6 11.4 17.0

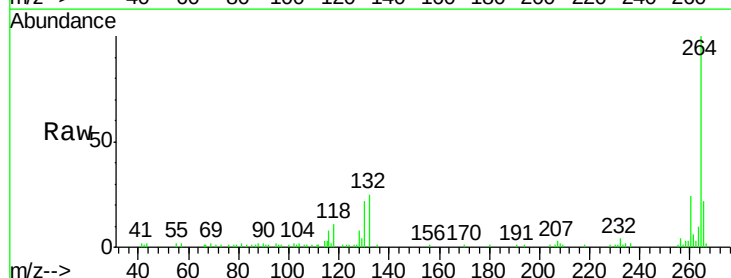


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 14.94 min Scan# 1168  
 Delta R.T. -0.01 min  
 Lab File: BF089484.D  
 Acq: 31 Jul 2016 21:48

Tgt Ion:264 Resp: 72710  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 19.0 28.4  
 265 21.8 17.5 26.3



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

