

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032816\  
 Data File : BF085810.D  
 Acq On : 28 Mar 2016 19:19  
 Operator : UM/SJ  
 Sample : H1905-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRACK-D-GRID-10A

Quant Time: Mar 29 03:36:34 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 28 15:27:05 2016  
 Response via : Initial Calibration

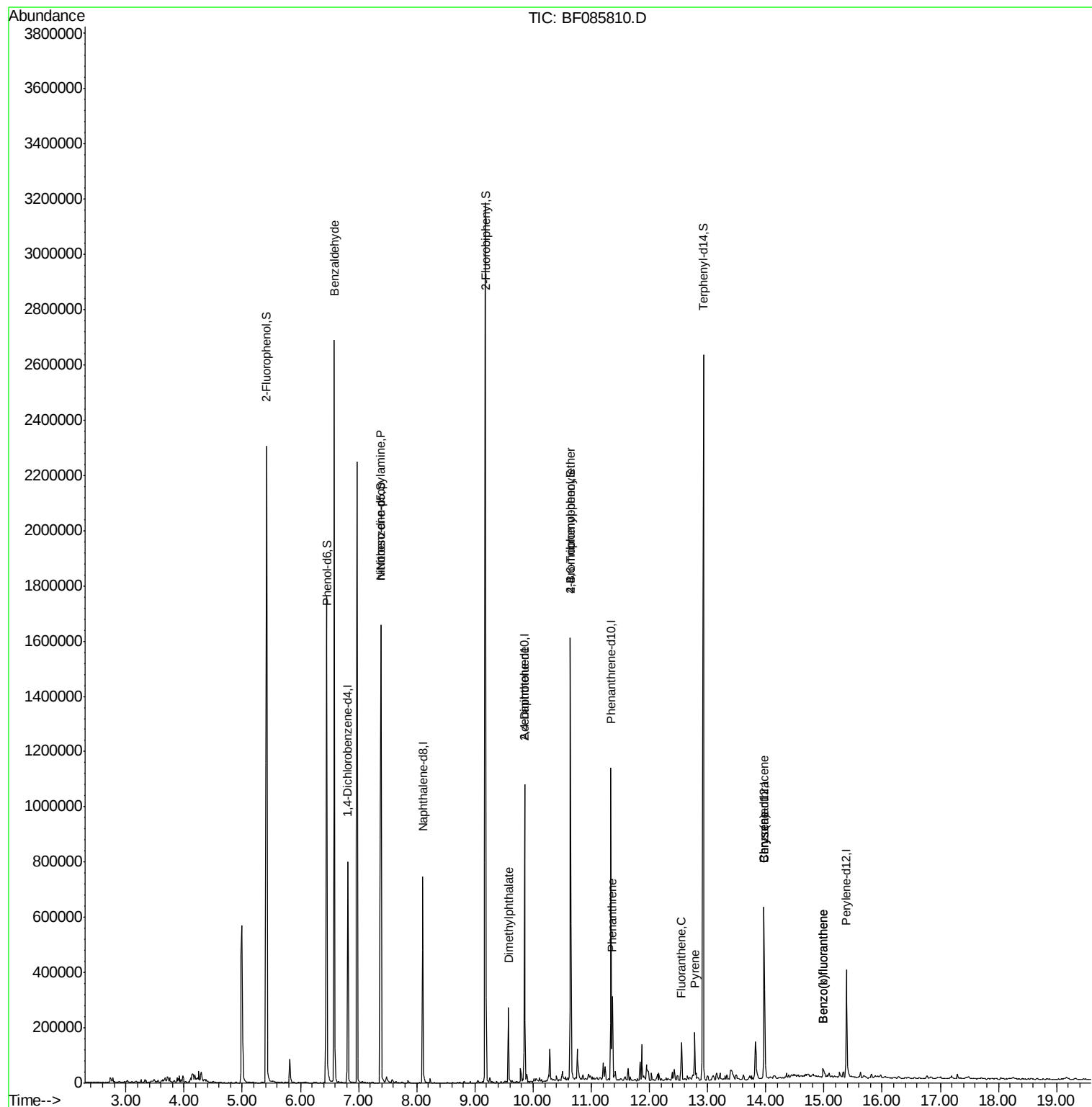
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.81  | 152  | 114782   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.10  | 136  | 445862   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.85  | 164  | 204007   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.34 | 188  | 388678   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 13.97 | 240  | 228251   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.39 | 264  | 190316   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.42  | 112  | 787536   | 114.27 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.46  | 99   | 1003075  | 114.47 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.38  | 82   | 659902   | 83.35  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.64 | 330  | 217138   | 112.03 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.18  | 172  | 1000291  | 81.92  | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.93 | 244  | 980767   | 88.37  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 9) Benzaldehyde                | 6.58  | 77   | 17765    | 3.36   | ng    | 85       |
| 19) n-Nitroso-di-n-propylamine | 7.38  | 70   | 84892    | 16.18  | ng    | # 75     |
| 37) 2-Methylnaphthalene        | 8.92  | 142  | 1664     | Below  | Cal   | 97       |
| 49) Dimethylphthalate          | 9.58  | 163  | 155455   | 10.04  | ng    | 98       |
| 56) 2,4-Dinitrotoluene         | 9.85  | 165  | 26645    | 6.29   | ng    | # 37     |
| 66) 4-Bromophenyl-phenylether  | 10.64 | 248  | 13954    | 3.51   | ng    | # 1      |
| 70) Phenanthrene               | 11.36 | 178  | 111644   | 5.59   | ng    | 98       |
| 74) Fluoranthene               | 12.55 | 202  | 52392    | 2.47   | ng    | 91       |
| 77) Pyrene                     | 12.78 | 202  | 84129    | 4.48   | ng    | 99       |
| 80) Benzo(a)anthracene         | 13.97 | 228  | 26474    | 2.03   | ng    | 98       |
| 82) Chrysene                   | 13.97 | 228  | 26474    | 2.02   | ng    | 96       |
| 87) Benzo(b)fluoranthene       | 14.99 | 252  | 24051    | 2.01   | ng    | 96       |
| 88) Benzo(k)fluoranthene       | 14.99 | 252  | 24051    | 2.23   | ng    | # 94     |

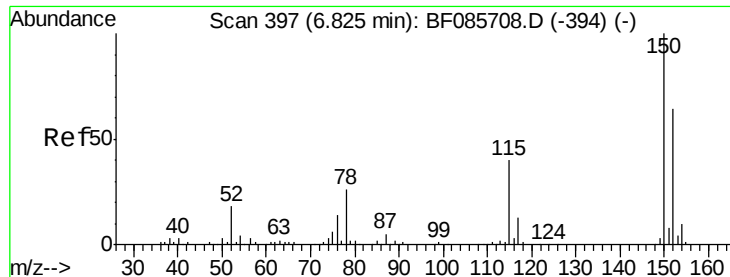
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 15 Sample Multiplier: 1

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF085810.D

Acq: 28 Mar 2016 19:19

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-GRID-10A

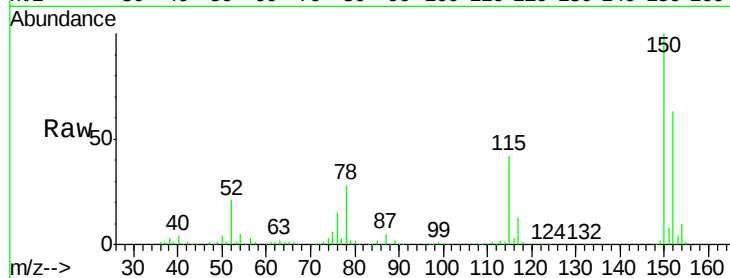
Tgt Ion:152 Resp: 114782

Ion Ratio Lower Upper

152 100

150 158.0 124.2 186.2

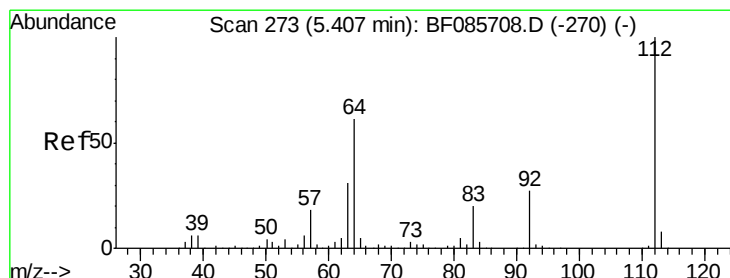
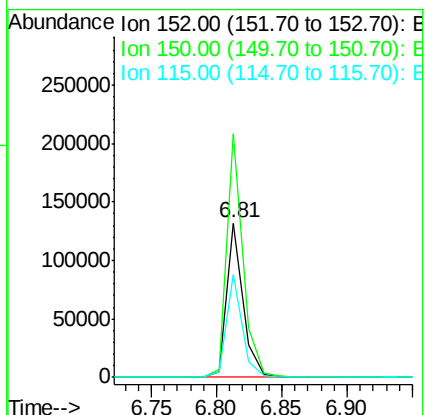
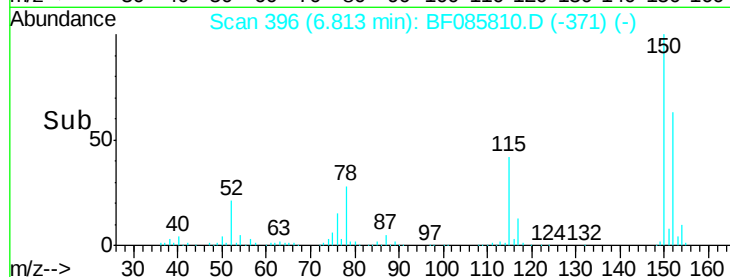
115 66.9 47.0 70.6



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: 114.27 ng

RT: 5.42 min Scan# 274

Delta R.T. 0.01 min

Lab File: BF085810.D

Acq: 28 Mar 2016 19:19

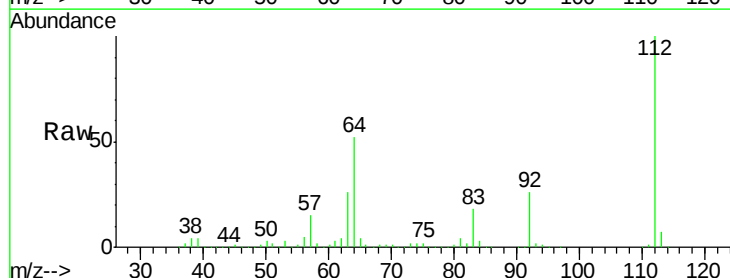
Tgt Ion:112 Resp: 787536

Ion Ratio Lower Upper

112 100

64 51.8 39.9 59.9

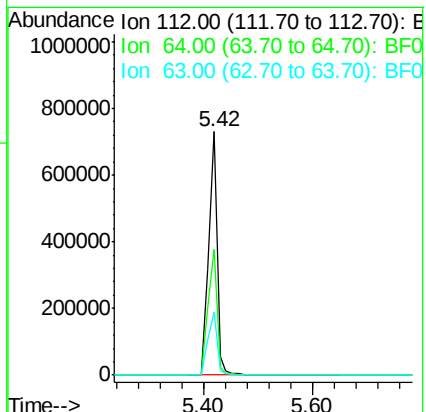
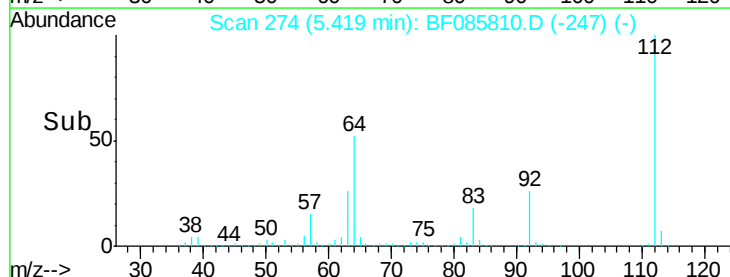
63 26.1 20.2 30.2



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: 114.47 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085810.D

Acq: 28 Mar 2016 19:19

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-GRID-10A

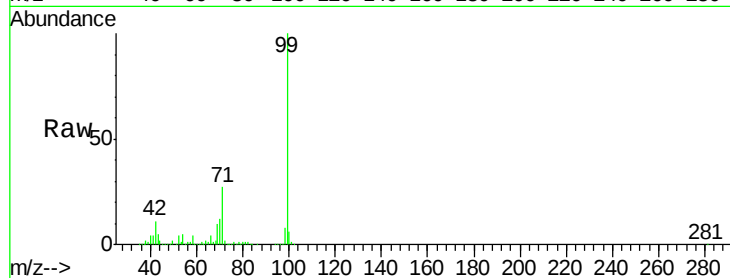
Tgt Ion: 99 Resp: 1003075

Ion Ratio Lower Upper

99 100

42 10.8 11.1 16.7#

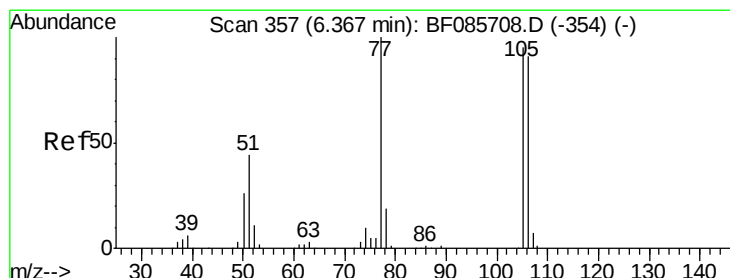
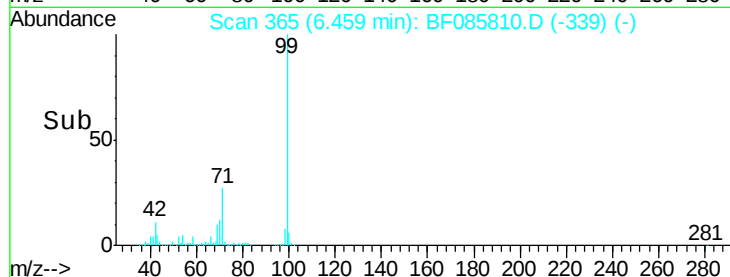
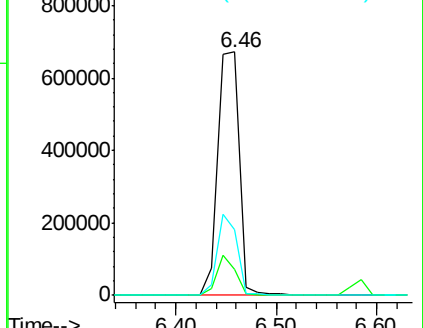
71 27.1 24.9 37.3



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



#9

Benzaldehyde

Concen: 3.36 ng

RT: 6.58 min Scan# 376

Delta R.T. 0.22 min

Lab File: BF085810.D

Acq: 28 Mar 2016 19:19

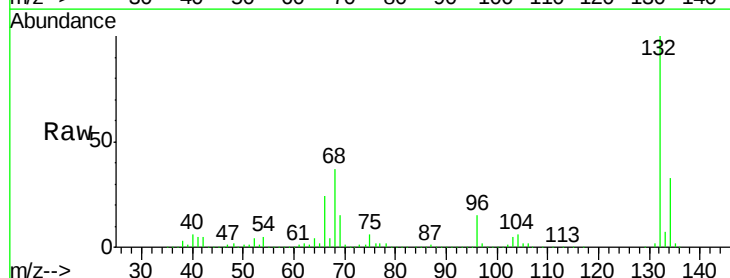
Tgt Ion: 77 Resp: 17765

Ion Ratio Lower Upper

77 100

105 84.9 80.1 120.1

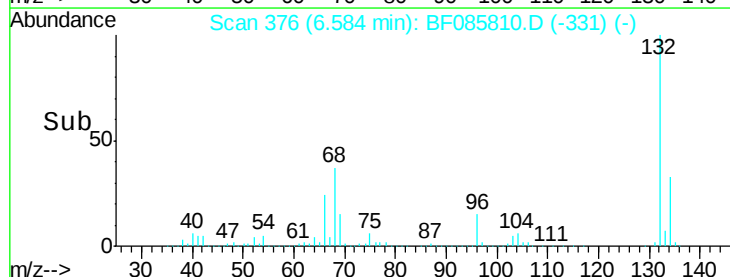
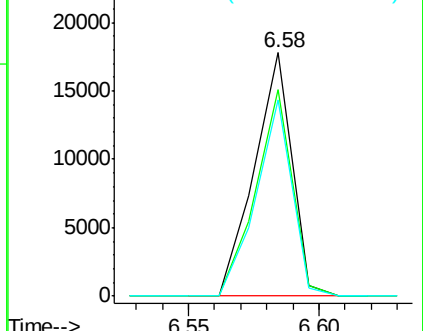
106 80.6 75.0 115.0

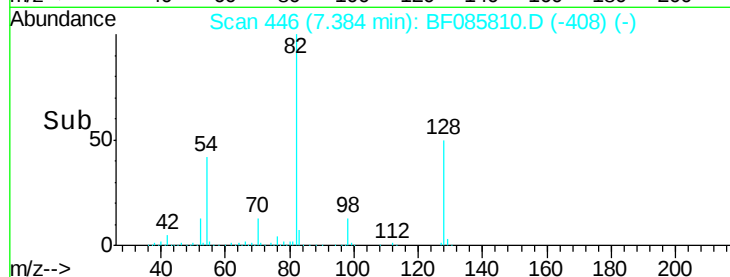
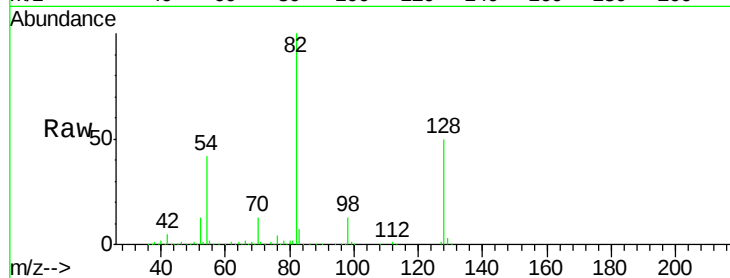
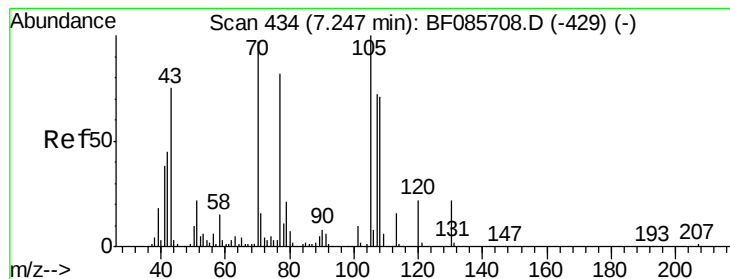


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 16.18 ng

RT: 7.38 min Scan# 446

Delta R.T. 0.14 min

Lab File: BF085810.D

Acq: 28 Mar 2016 19:19

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-GRID-10A

Tgt Ion: 70 Resp: 84892

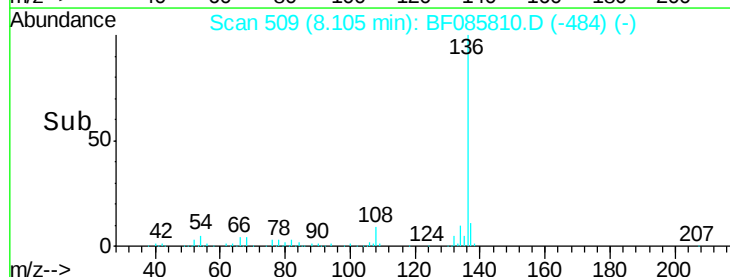
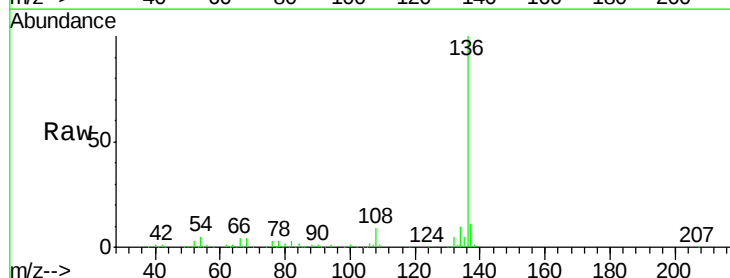
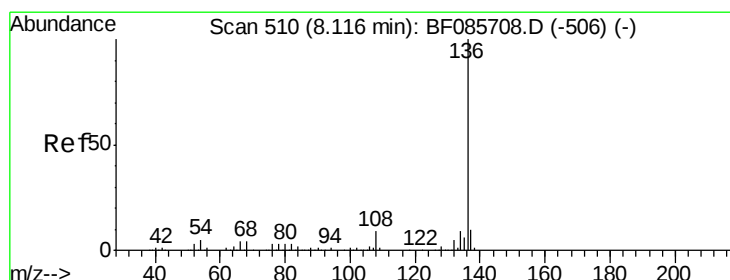
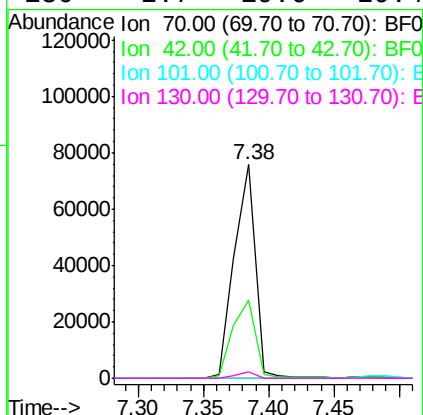
Ion Ratio Lower Upper

70 100

42 36.8 37.1 55.7#

101 0.0 8.6 12.8#

130 2.7 19.6 29.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF085810.D

Acq: 28 Mar 2016 19:19

Tgt Ion: 136 Resp: 445862

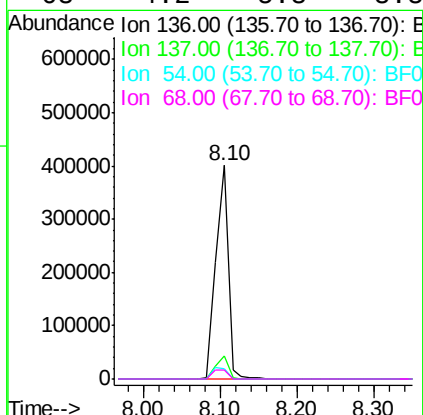
Ion Ratio Lower Upper

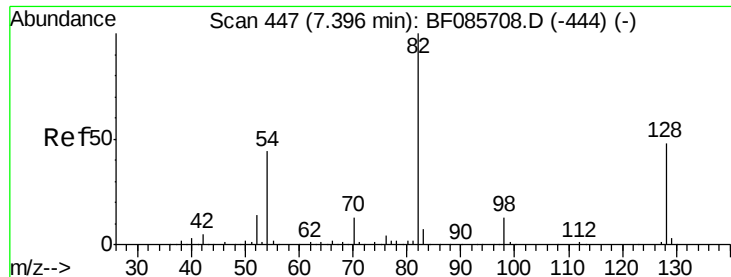
136 100

137 10.8 9.1 13.7

54 5.0 7.4 11.0#

68 4.2 5.8 8.8#

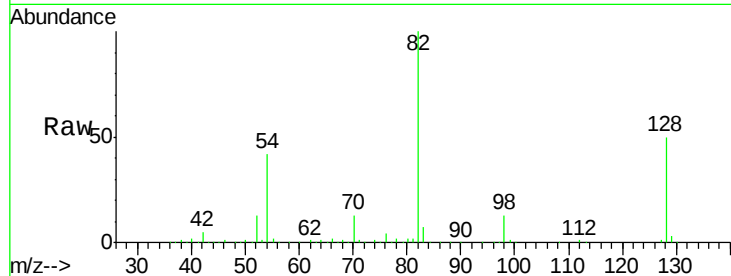




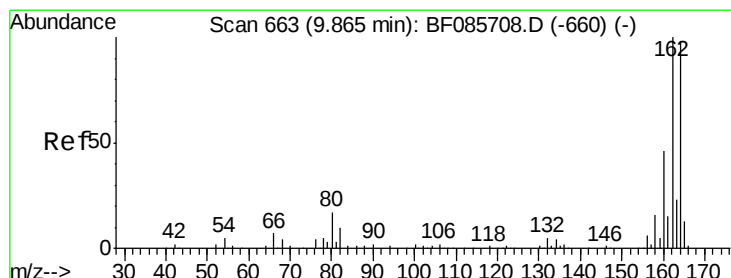
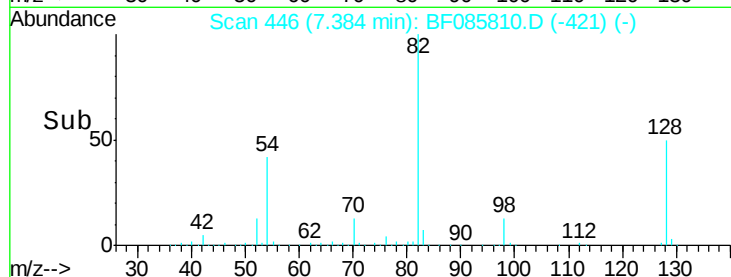
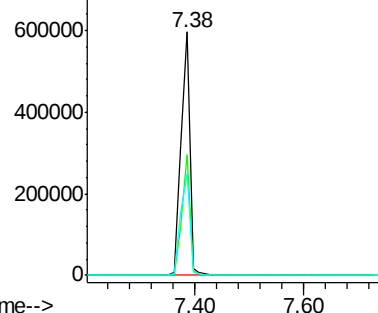
#23  
Nitrobenzene-d5  
Concen: 83.35 ng  
RT: 7.38 min Scan# 446  
Delta R.T. -0.01 min  
Lab File: BF085810.D  
Acq: 28 Mar 2016 19:19

Instrument :  
BNA\_F  
ClientSampleId :  
TRACK-D-GRID-10A

Tgt Ion: 82 Resp: 659902  
Ion Ratio Lower Upper  
82 100  
128 49.7 41.8 62.8  
54 41.8 33.4 50.0

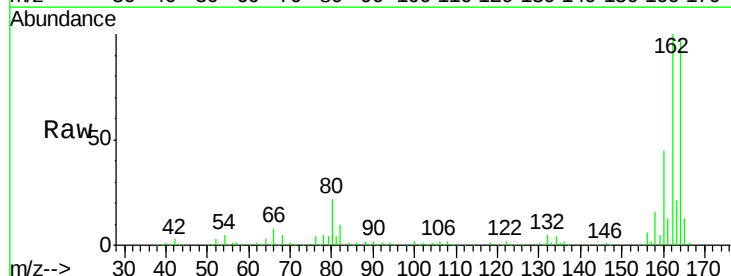


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0

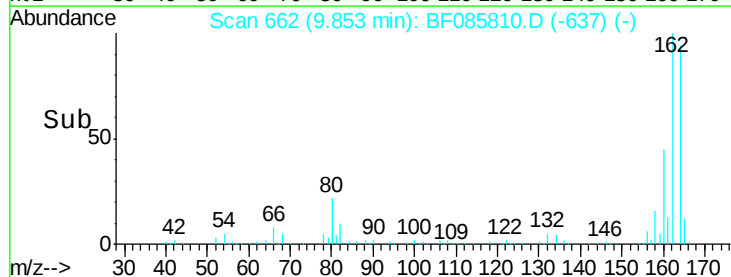
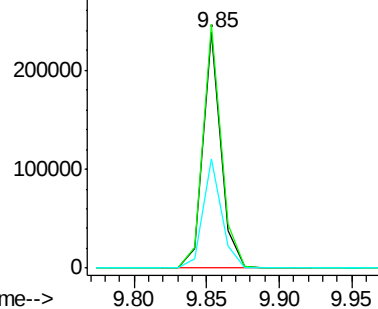


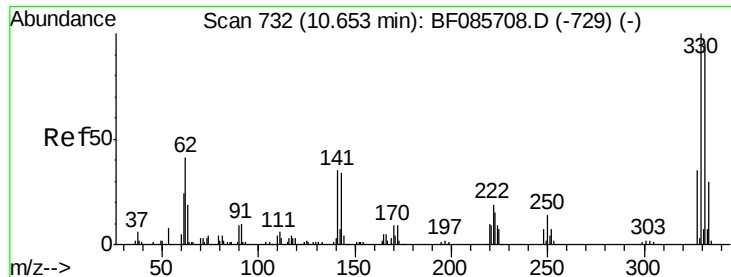
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.85 min Scan# 662  
Delta R.T. -0.01 min  
Lab File: BF085810.D  
Acq: 28 Mar 2016 19:19

Tgt Ion: 164 Resp: 204007  
Ion Ratio Lower Upper  
164 100  
162 103.4 82.1 123.1  
160 46.5 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

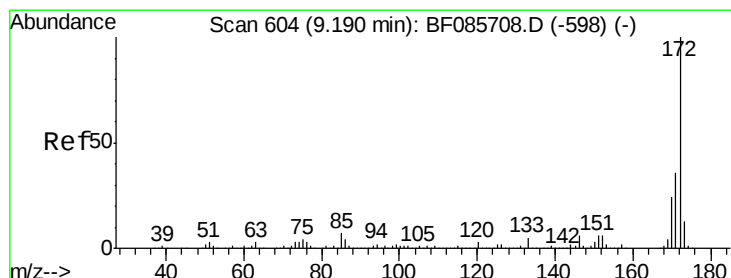
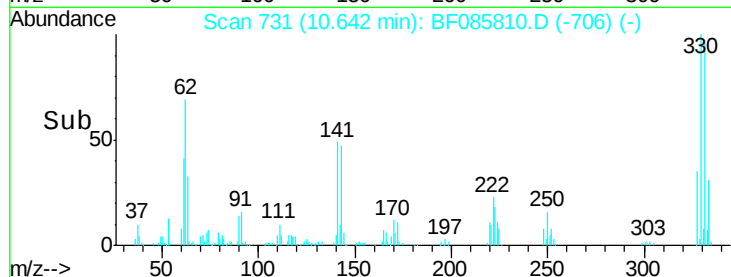
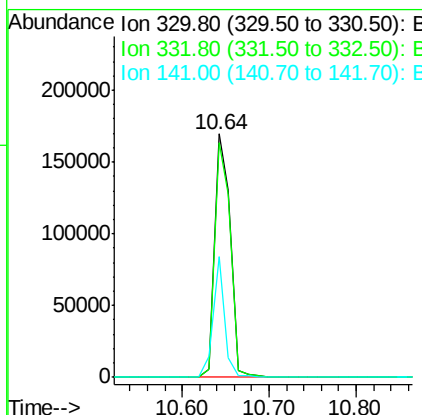
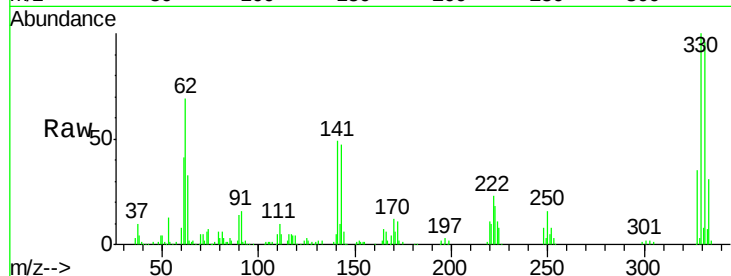




#41  
 2,4,6-Tribromophenol  
 Concen: 112.03 ng  
 RT: 10.64 min Scan# 731  
 Delta R.T. -0.01 min  
 Lab File: BF085810.D  
 Acq: 28 Mar 2016 19:19

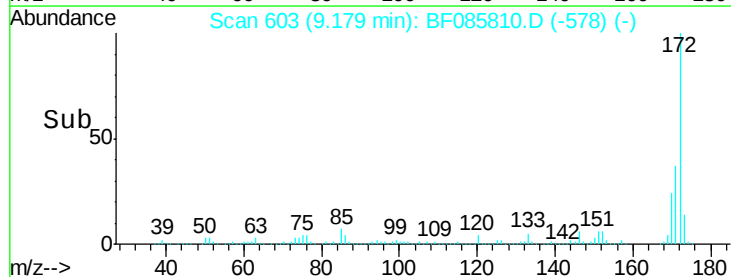
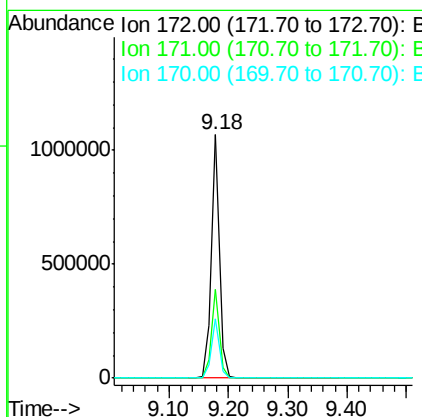
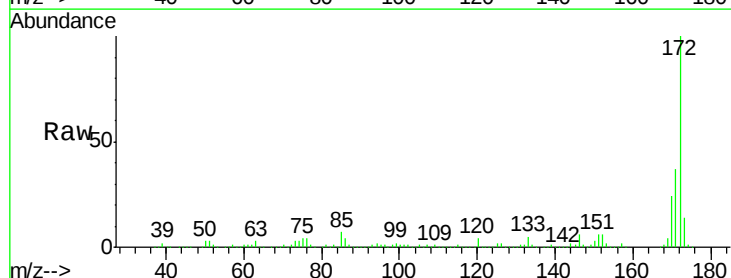
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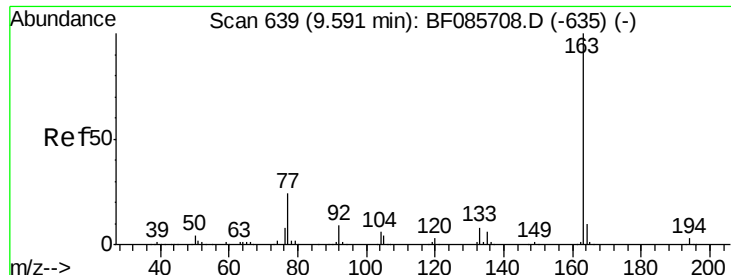
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.1  | 78.2  | 117.2 |
| 141     | 36.8  | 31.5  | 47.3  |



#44  
 2-Fluorobiphenyl  
 Concen: 81.92 ng  
 RT: 9.18 min Scan# 603  
 Delta R.T. -0.01 min  
 Lab File: BF085810.D  
 Acq: 28 Mar 2016 19:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 29.4  | 44.2  |
| 170     | 24.5  | 19.8  | 29.6  |

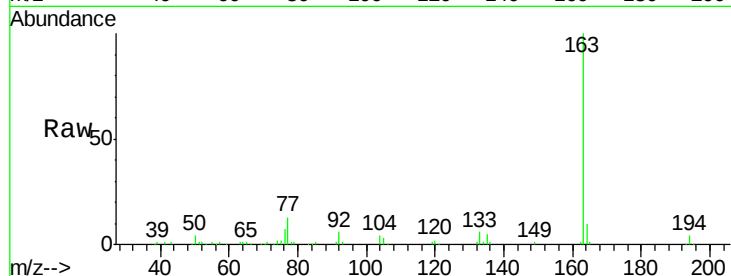




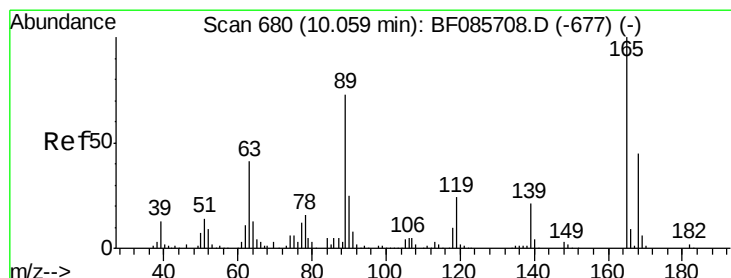
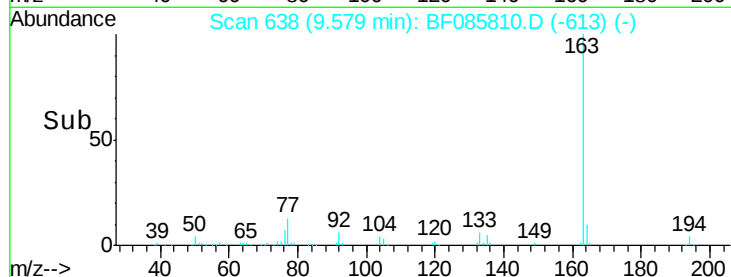
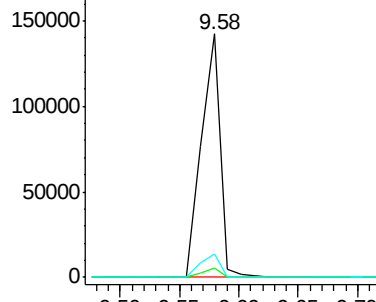
#49  
Dimethylphthalate  
Concen: 10.04 ng  
RT: 9.58 min Scan# 638  
Delta R.T. -0.01 min  
Lab File: BF085810.D  
Acq: 28 Mar 2016 19:19

Instrument :  
BNA\_F  
ClientSampleId :  
TRACK-D-GRID-10A

Tgt Ion:163 Resp: 155455  
Ion Ratio Lower Upper  
163 100  
194 3.8 2.9 4.3  
164 9.6 8.3 12.5

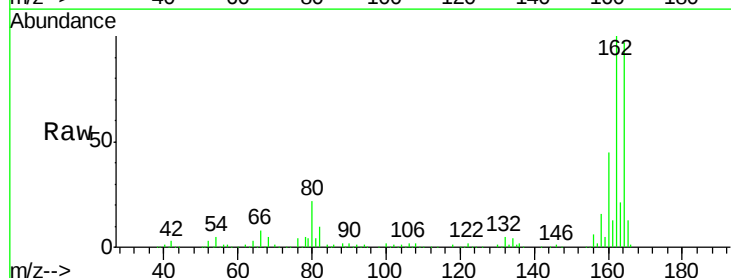


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

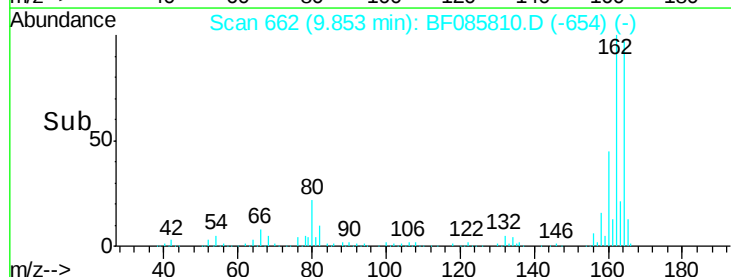
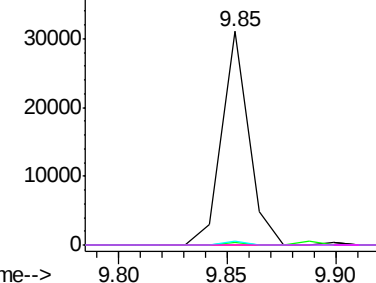


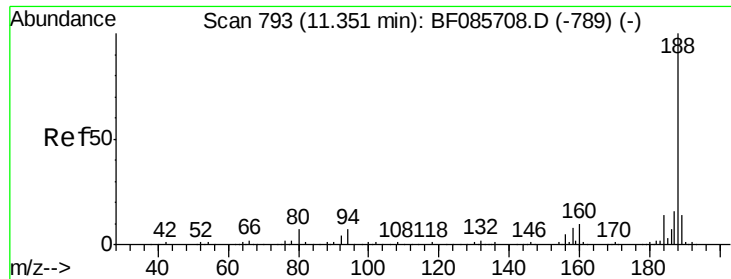
#56  
2,4-Dinitrotoluene  
Concen: 6.29 ng  
RT: 9.85 min Scan# 662  
Delta R.T. -0.21 min  
Lab File: BF085810.D  
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Tgt Ion:165 Resp: 26645  
Ion Ratio Lower Upper  
165 100  
63 1.1 24.9 37.3#  
89 2.1 41.0 61.6#  
182 0.0 2.1 3.1#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0  
Ion 182.00 (181.70 to 182.70): E

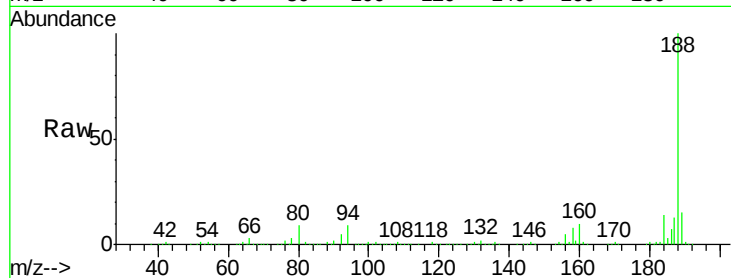




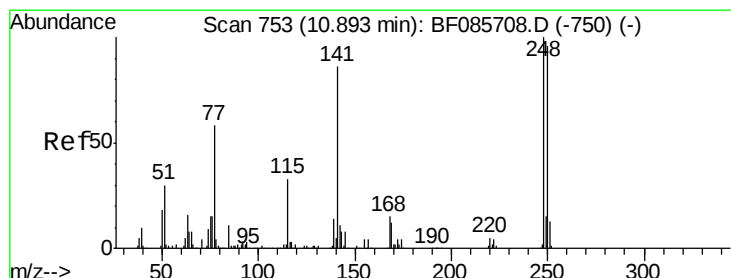
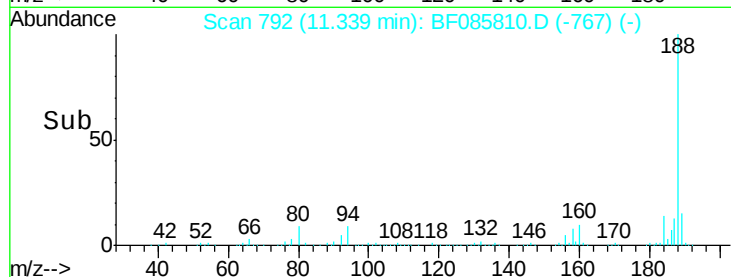
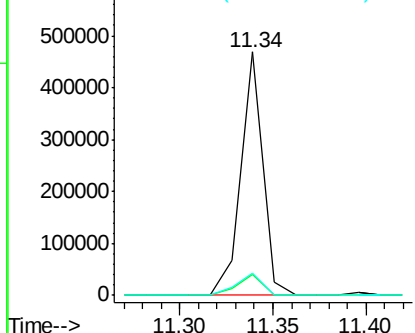
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.34 min Scan# 792  
 Delta R.T. -0.01 min  
 Lab File: BF085810.D  
 Acq: 28 Mar 2016 19:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRACK-D-GRID-10A

Tgt Ion:188 Resp: 388678  
 Ion Ratio Lower Upper  
 188 100  
 94 8.7 5.4 8.0#  
 80 9.2 5.5 8.3#

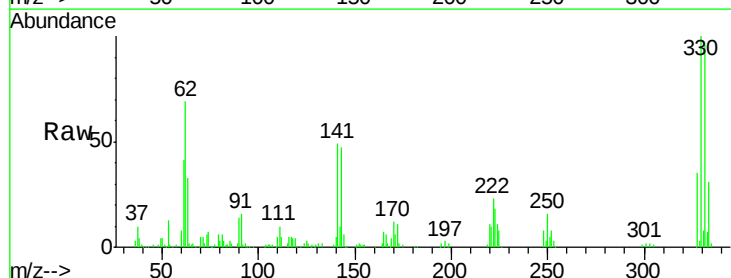


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

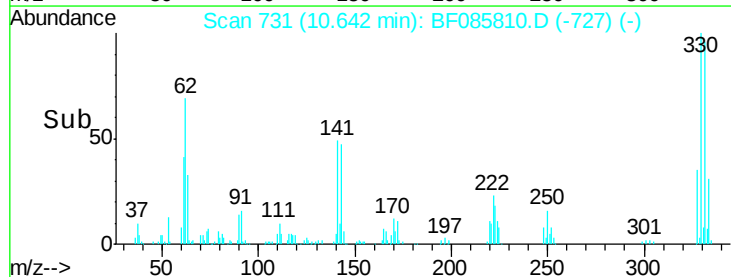
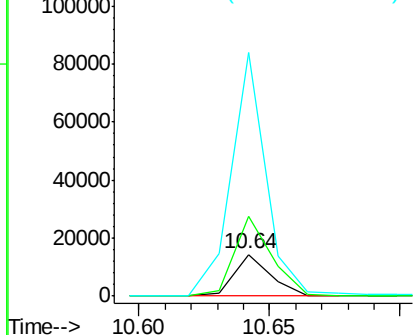


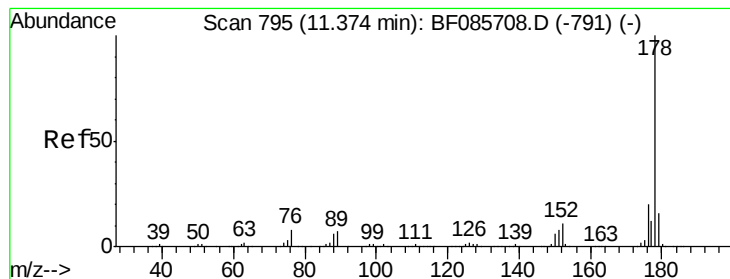
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.51 ng  
 RT: 10.64 min Scan# 731  
 Delta R.T. -0.25 min  
 Lab File: BF085810.D  
 Acq: 28 Mar 2016 19:19

Tgt Ion:248 Resp: 13954  
 Ion Ratio Lower Upper  
 248 100  
 250 193.7 77.4 116.0#  
 141 587.9 63.6 95.4#



Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 5.59 ng

RT: 11.36 min Scan# 794

Delta R.T. -0.01 min

Lab File: BF085810.D

Acq: 28 Mar 2016 19:19

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-GRID-10A

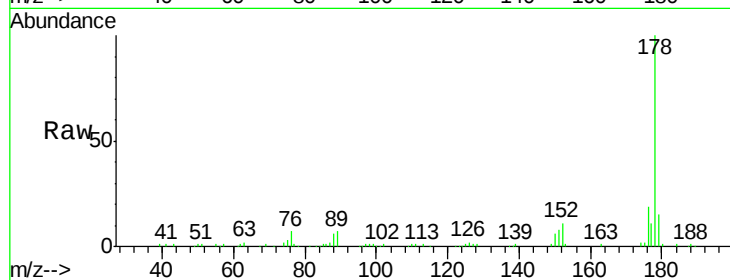
Tgt Ion:178 Resp: 111644

Ion Ratio Lower Upper

178 100

176 19.0 16.3 24.5

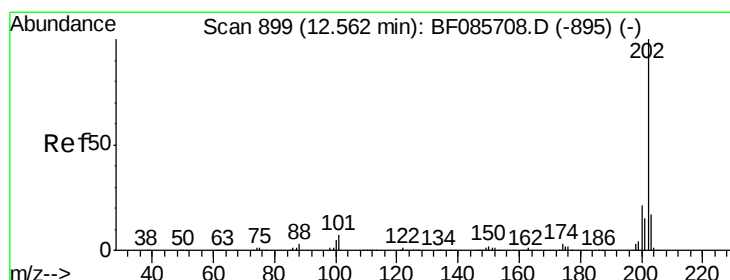
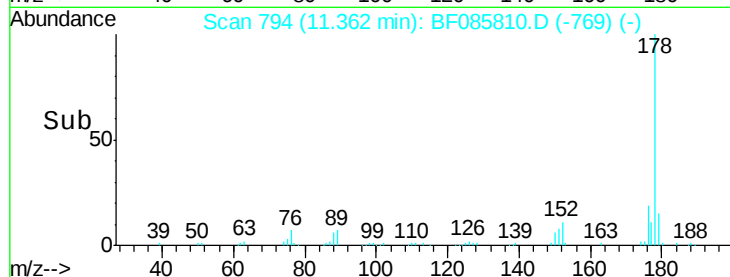
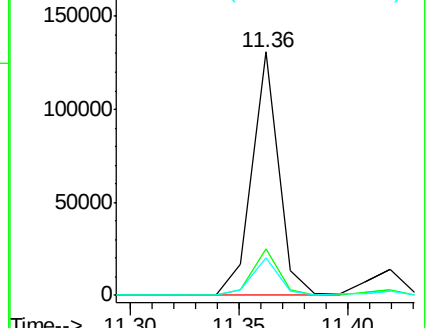
179 15.2 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 2.47 ng

RT: 12.55 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF085810.D

Acq: 28 Mar 2016 19:19

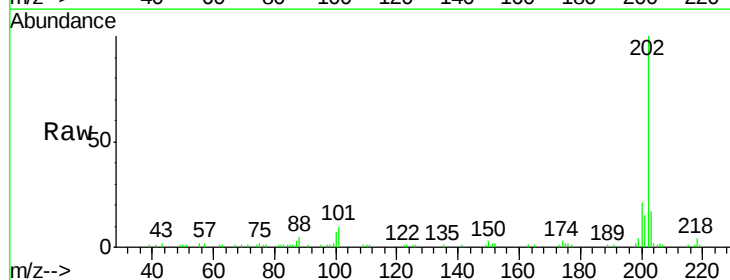
Tgt Ion:202 Resp: 52392

Ion Ratio Lower Upper

202 100

101 9.7 0.0 36.6

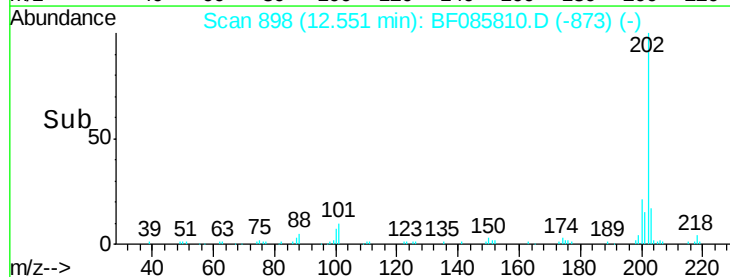
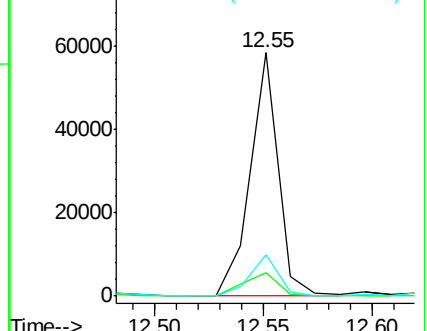
203 17.1 0.0 38.1

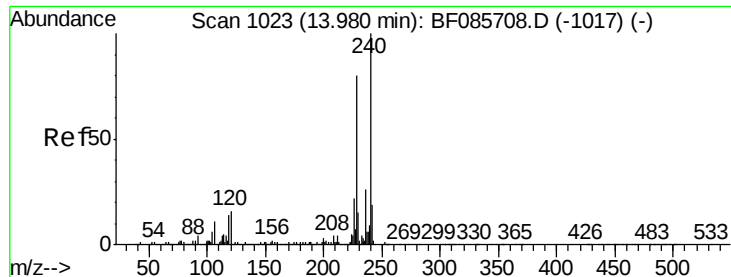


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF085810.D

Acq: 28 Mar 2016 19:19

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-GRID-10A

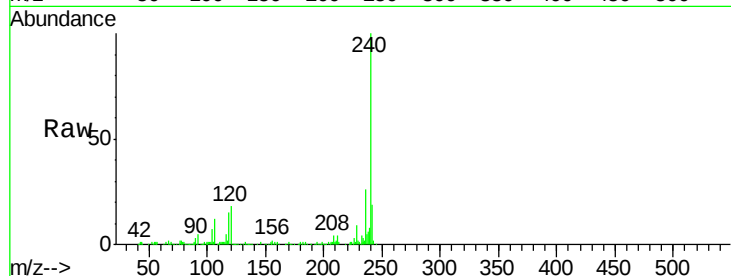
Tgt Ion:240 Resp: 228251

Ion Ratio Lower Upper

240 100

120 18.2 13.8 20.8

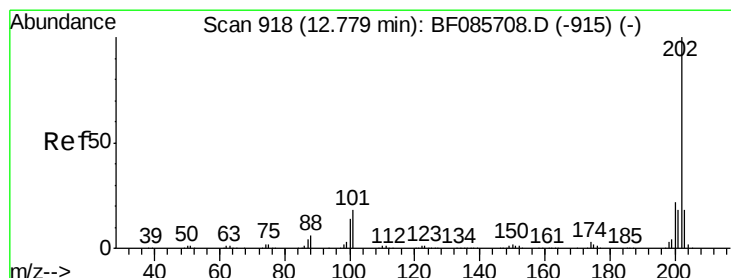
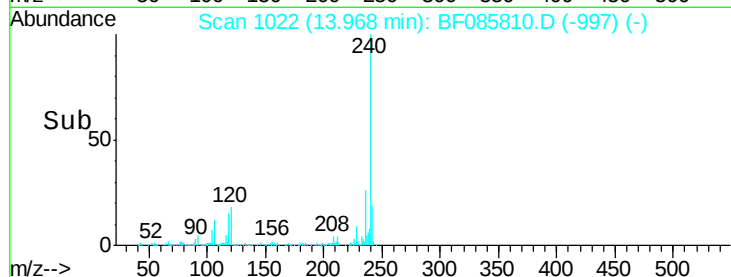
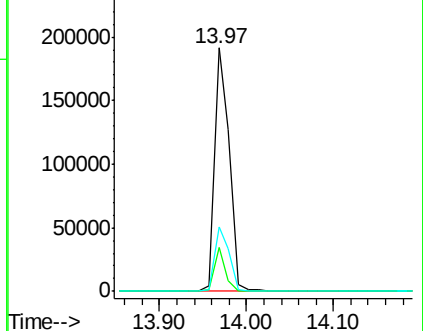
236 26.2 20.6 30.8



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



#77

Pyrene

Concen: 4.48 ng

RT: 12.78 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF085810.D

Acq: 28 Mar 2016 19:19

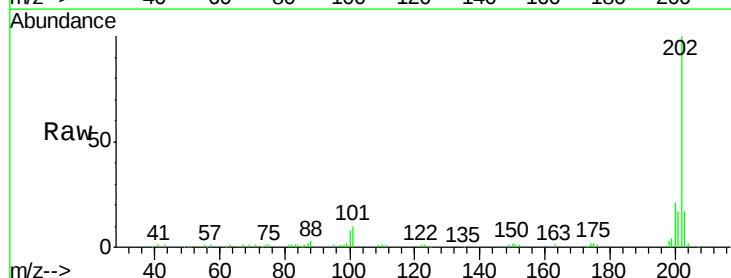
Tgt Ion:202 Resp: 84129

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

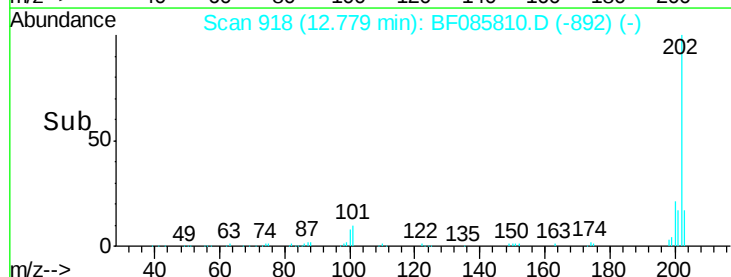
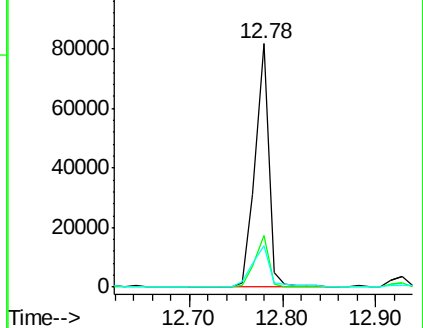
203 17.1 14.0 21.0

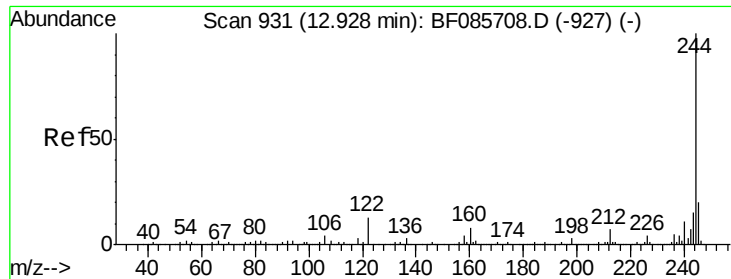


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

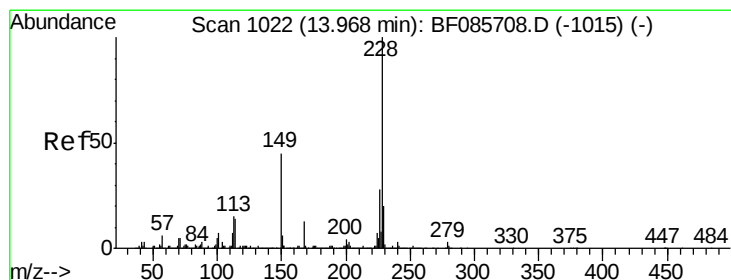
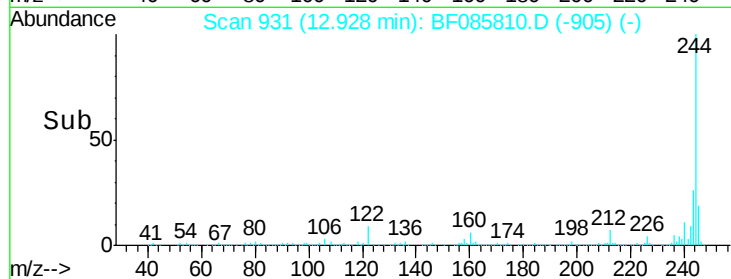
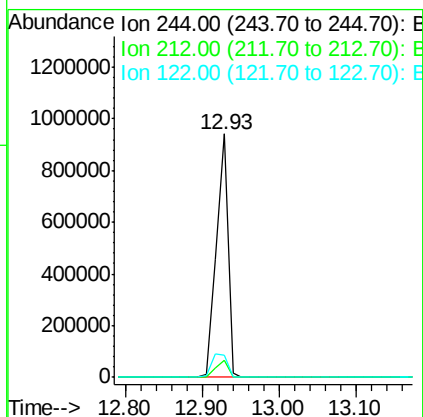
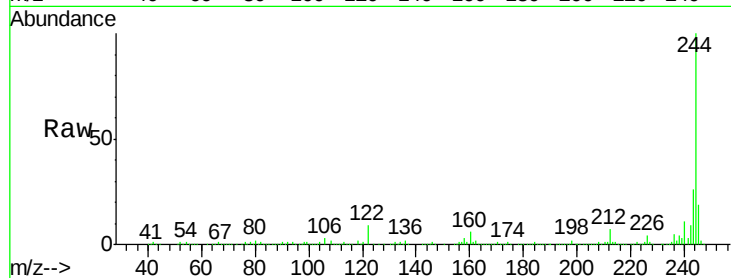




#78  
 Terphenyl-d14  
 Concen: 88.37 ng  
 RT: 12.93 min Scan# 931  
 Delta R.T. -0.00 min  
 Lab File: BF085810.D  
 Acq: 28 Mar 2016 19:19

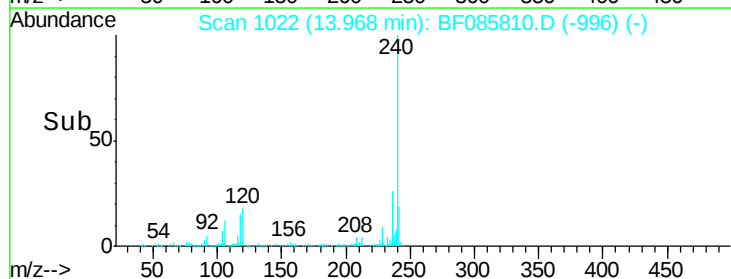
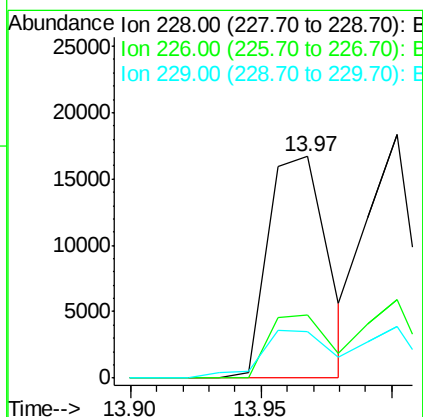
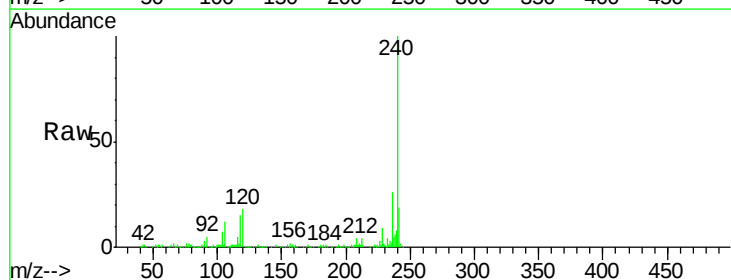
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRACK-D-GRID-10A

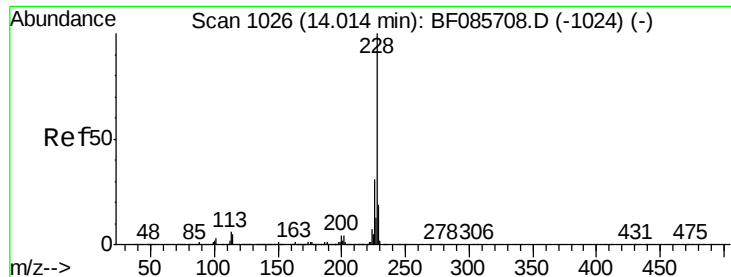
Tgt Ion: 244 Resp: 980767  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 6.1 9.1  
 122 9.0 10.2 15.4#



#80  
 Benzo(a)anthracene  
 Concen: 2.03 ng  
 RT: 13.97 min Scan# 1022  
 Delta R.T. -0.00 min  
 Lab File: BF085810.D  
 Acq: 28 Mar 2016 19:19

Tgt Ion: 228 Resp: 26474  
 Ion Ratio Lower Upper  
 228 100  
 226 28.8 22.1 33.1  
 229 21.2 16.2 24.4





#82

Chrysene

Concen: 2.02 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.05 min

Lab File: BF085810.D

Acq: 28 Mar 2016 19:19

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-GRID-10A

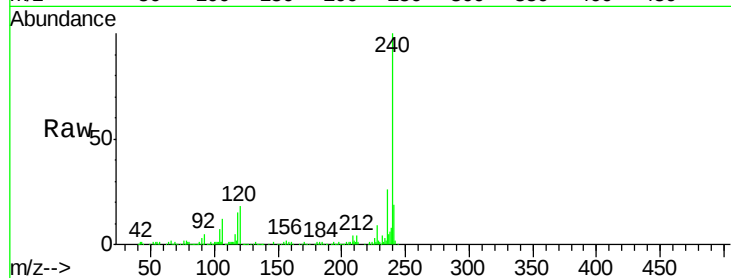
Tgt Ion:228 Resp: 26474

Ion Ratio Lower Upper

228 100

226 28.8 25.0 37.6

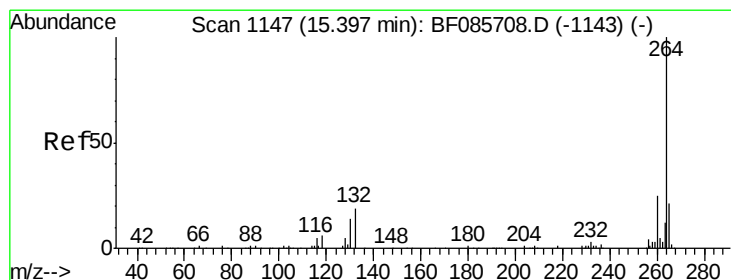
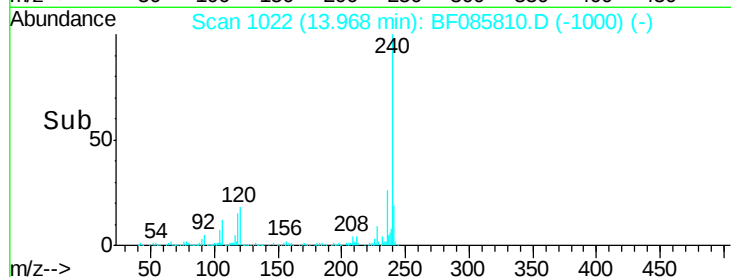
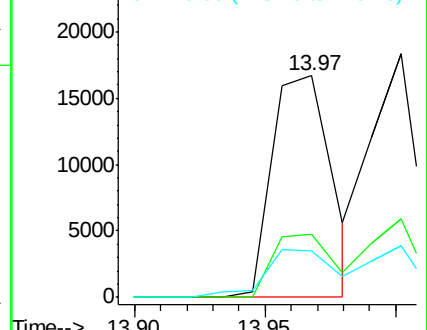
229 21.2 15.7 23.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.39 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF085810.D

Acq: 28 Mar 2016 19:19

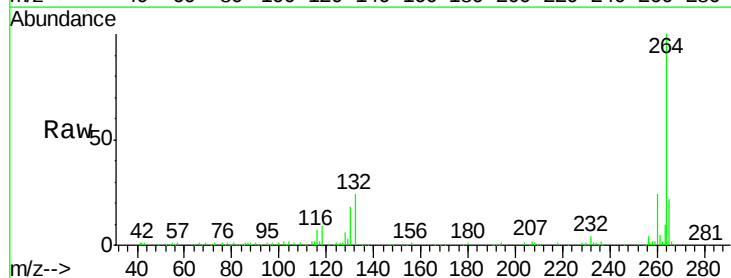
Tgt Ion:264 Resp: 190316

Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.2

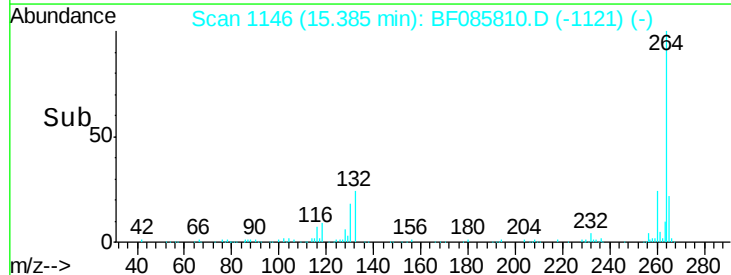
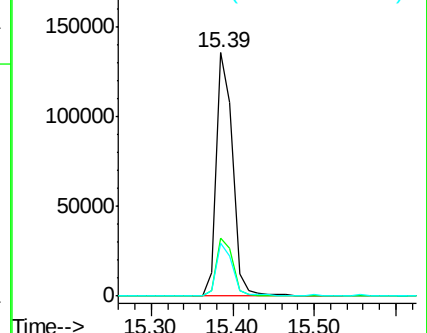
265 21.7 17.2 25.8

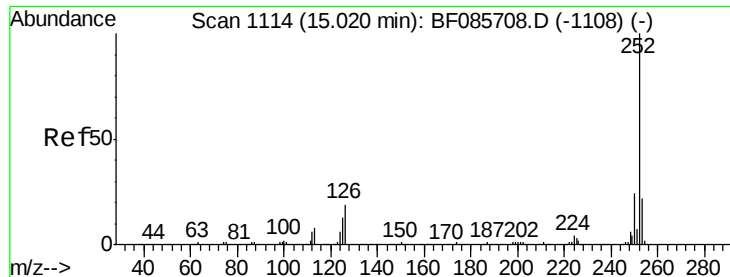


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

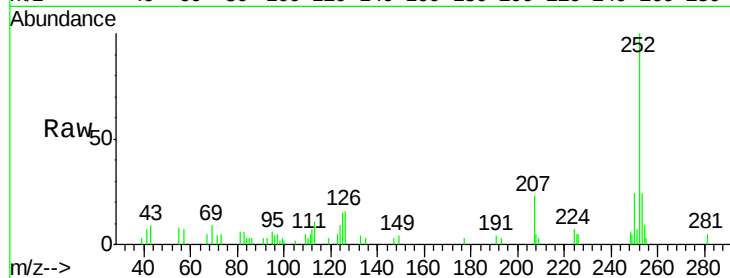




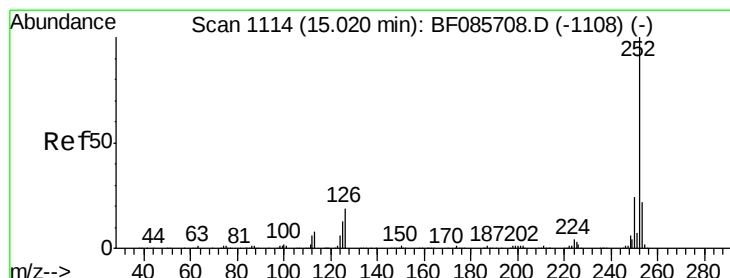
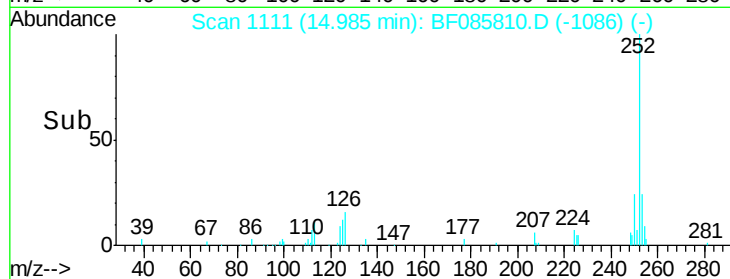
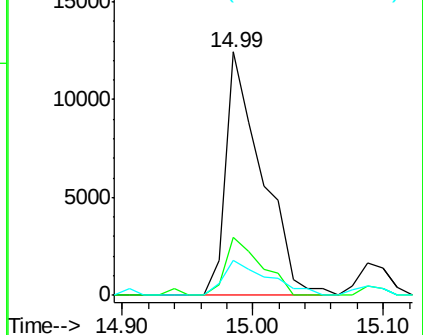
#87  
Benzo(b)fluoranthene  
Concen: 2.01 ng  
RT: 14.99 min Scan# 1111  
Delta R.T. -0.01 min  
Lab File: BF085810.D  
Acq: 28 Mar 2016 19:19

Instrument :  
BNA\_F  
ClientSampleId :  
TRACK-D-GRID-10A

Tgt Ion:252 Resp: 24051  
Ion Ratio Lower Upper  
252 100  
253 23.8 17.6 26.4  
125 14.6 10.3 15.5

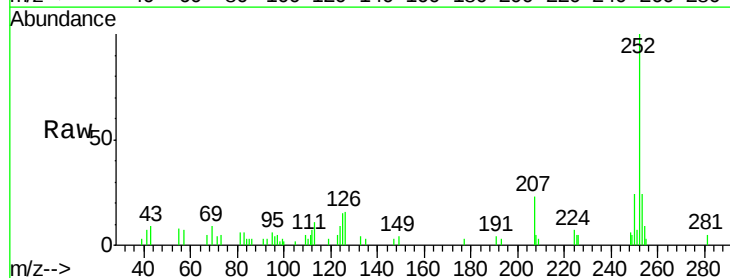


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#88  
Benzo(k)fluoranthene  
Concen: 2.23 ng  
RT: 14.99 min Scan# 1111  
Delta R.T. -0.03 min  
Lab File: BF085810.D  
Acq: 28 Mar 2016 19:19

Tgt Ion:252 Resp: 24051  
Ion Ratio Lower Upper  
252 100  
253 23.8 17.8 26.6  
125 14.6 7.7 11.5#



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

