

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE040116\  
 Data File : BE091585.D  
 Acq On : 31 Mar 2016 15:22  
 Operator : UM/SJ  
 Sample : H1946-12  
 Misc : LOQ WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 F.B

Quant Time: Apr 01 01:00:40 2016  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE033016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 30 18:45:59 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.82  | 152  | 36889    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8           | 10.59 | 136  | 171324   | 5.00 | ng    | 0.00     |
| 10) Acenaphthene-d10        | 14.42 | 164  | 104748   | 5.00 | ng    | -0.03    |
| 16) Phenanthrene-d10        | 17.16 | 188  | 268717   | 5.00 | ng    | -0.01    |
| 22) Chrysene-d12            | 21.31 | 240  | 373559   | 5.00 | ng    | -0.02    |
| 28) Perylene-d12            | 23.76 | 264  | 320264   | 5.00 | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |      |       |          |
| 4) 2-Fluorophenol           | 5.41  | 112  | 30159    | 3.12 | ng    | -0.02    |
| 5) Phenol-d6                | 6.97  | 99   | 24791    | 1.90 | ng    | -0.02    |
| 7) Nitrobenzene-d5          | 8.96  | 82   | 44562    | 3.87 | ng    | -0.02    |
| 11) 2,4,6-Tribromophenol    | 15.91 | 330  | 31630    | 6.81 | ng    | -0.01    |
| 12) 2-Fluorobiphenyl        | 13.05 | 172  | 132028   | 4.43 | ng    | -0.02    |
| 24) Terphenyl-d14           | 19.76 | 244  | 231159   | 4.88 | ng    | -0.02    |

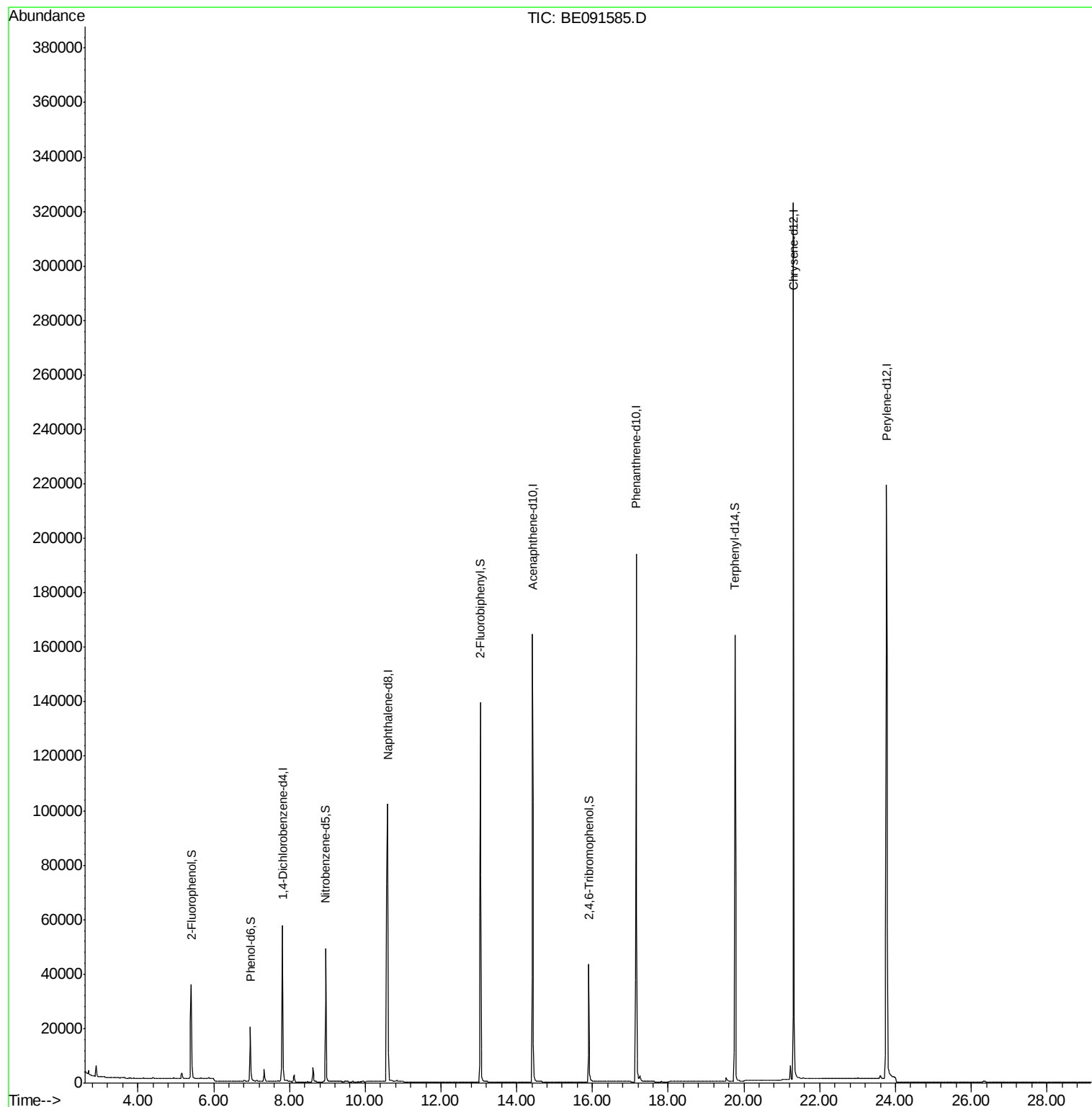
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

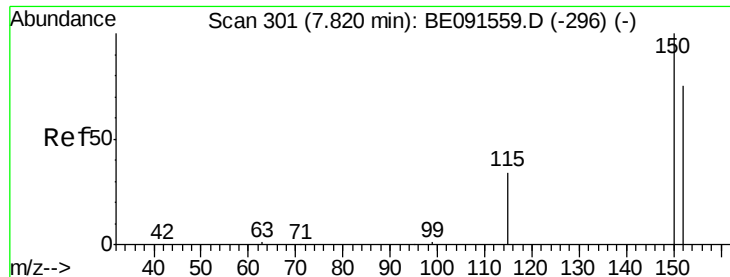
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.82 min Scan# 301

Delta R.T. 0.00 min

Lab File: BE091585.D

Acq: 31 Mar 2016 15:22

Instrument :

BNA\_E

ClientSampleId :

F.B

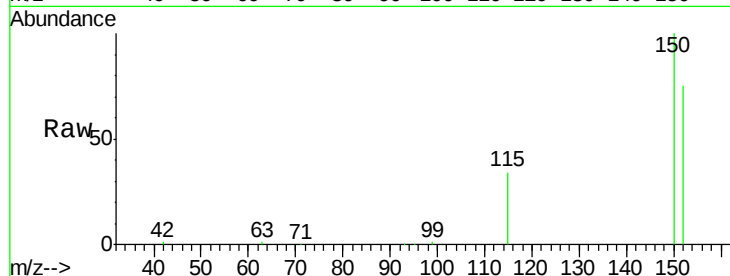
Tgt Ion:152 Resp: 36889

Ion Ratio Lower Upper

152 100

150 134.0 122.2 183.2

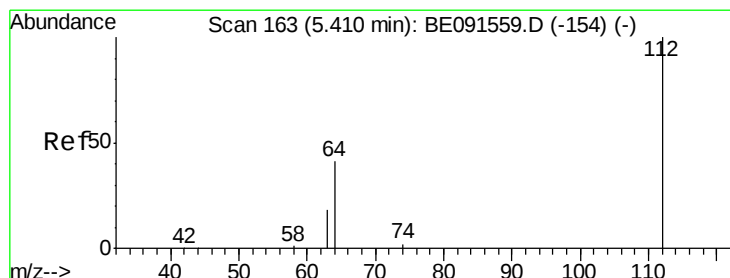
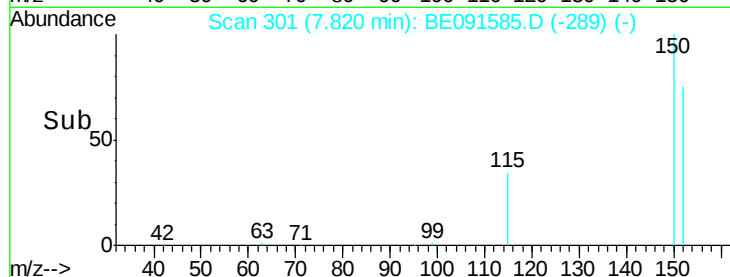
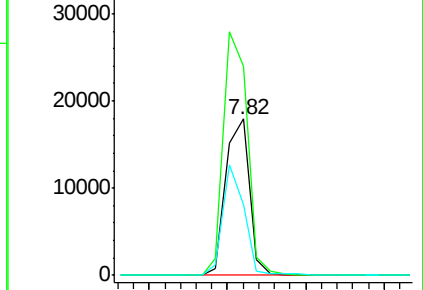
115 45.8 45.9 68.9#



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



#4

2-Fluorophenol

Concen: 3.12 ng

RT: 5.41 min Scan# 163

Delta R.T. -0.02 min

Lab File: BE091585.D

Acq: 31 Mar 2016 15:22

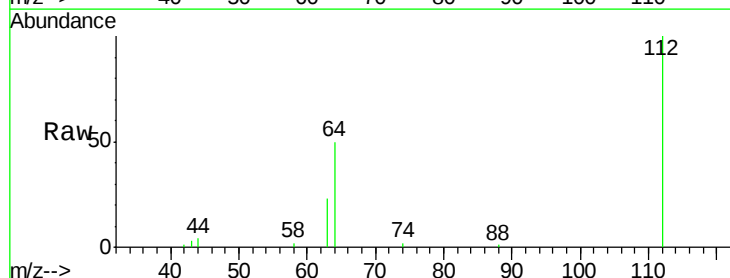
Tgt Ion:112 Resp: 30159

Ion Ratio Lower Upper

112 100

64 67.8 53.3 79.9

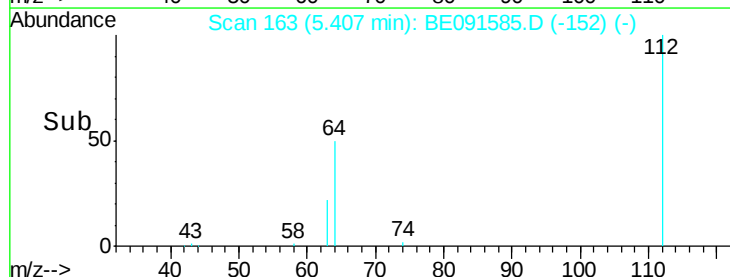
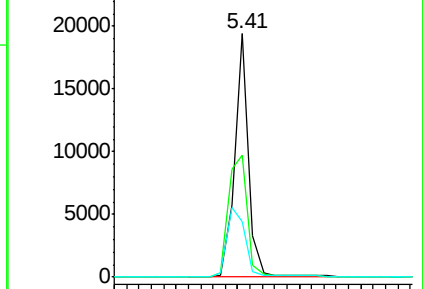
63 36.6 29.8 44.8

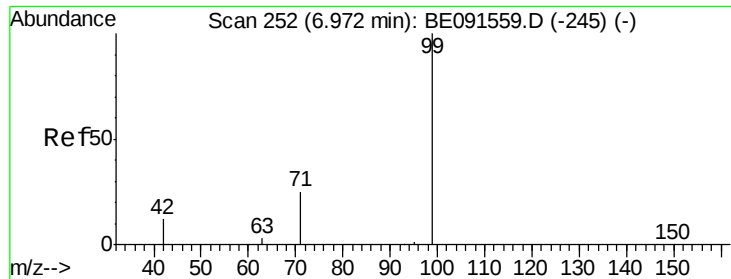


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.90 ng

RT: 6.97 min Scan# 252

Delta R.T. -0.02 min

Lab File: BE091585.D

Acq: 31 Mar 2016 15:22

Instrument :

BNA\_E

ClientSampleId :

F.B

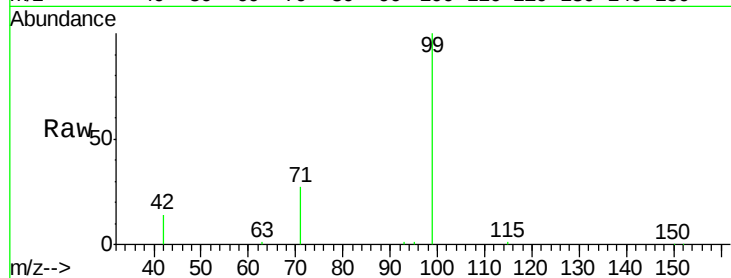
Tgt Ion: 99 Resp: 24791

Ion Ratio Lower Upper

99 100

42 24.9 20.6 30.8

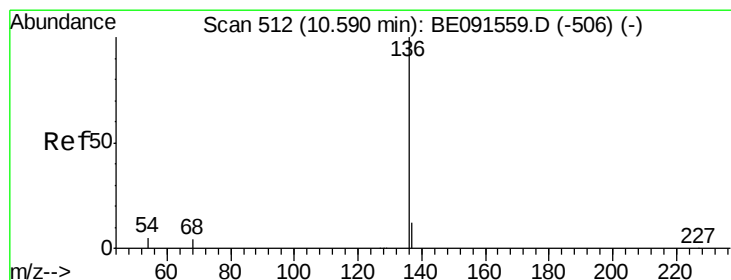
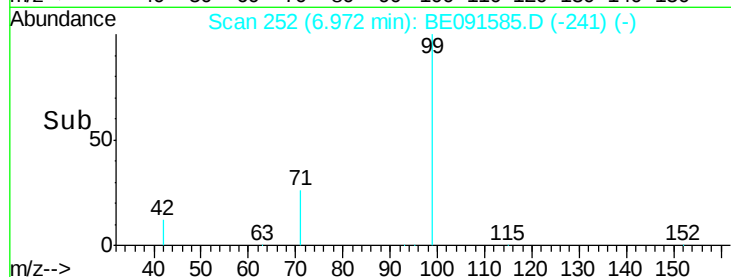
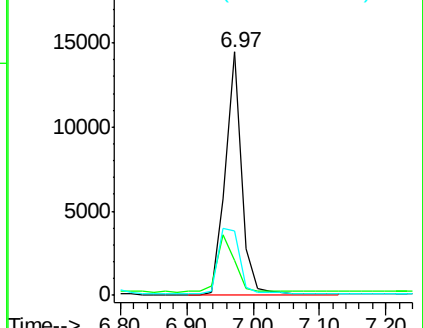
71 36.3 29.0 43.4



Abundance Ion 99.00 (98.70 to 99.70): BE091559.D (-245) (-)

Ion 42.00 (41.70 to 42.70): BE091559.D (-245) (-)

Ion 71.00 (70.70 to 71.70): BE091559.D (-245) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.59 min Scan# 512

Delta R.T. -0.00 min

Lab File: BE091585.D

Acq: 31 Mar 2016 15:22

Tgt Ion: 136 Resp: 171324

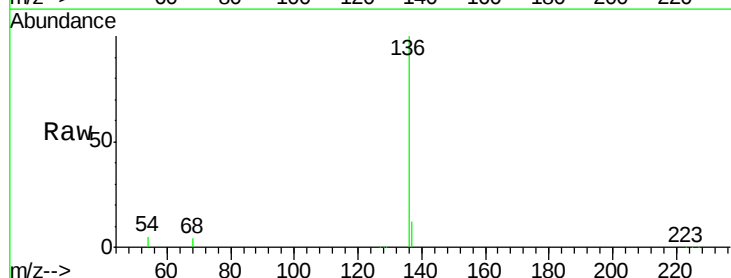
Ion Ratio Lower Upper

136 100

137 11.7 8.8 13.2

54 4.6 5.2 7.8#

68 3.8 4.1 6.1#

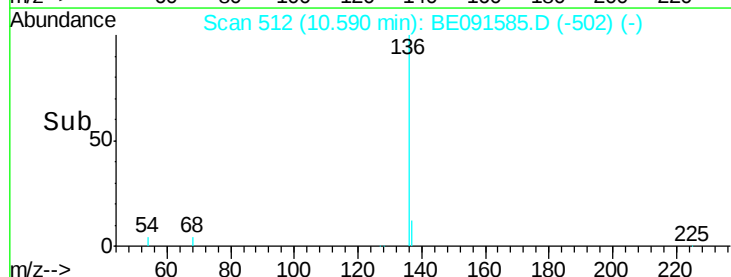
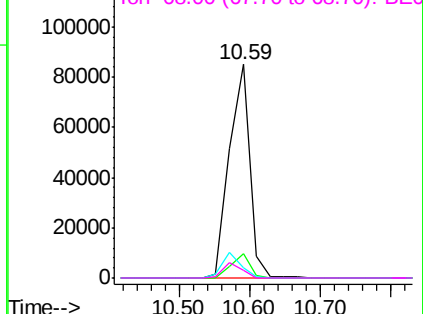


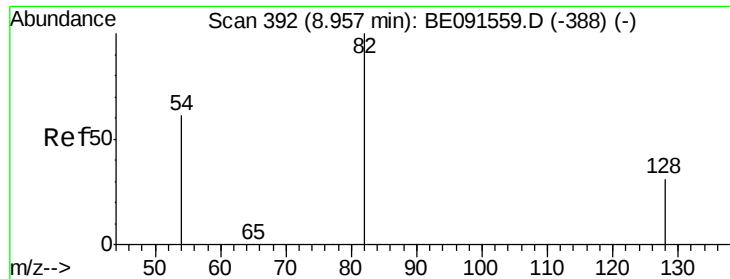
Abundance Ion 136.00 (135.70 to 136.70): BE091559.D (-506) (-)

Ion 137.00 (136.70 to 137.70): BE091559.D (-506) (-)

Ion 54.00 (53.70 to 54.70): BE091559.D (-506) (-)

Ion 68.00 (67.70 to 68.70): BE091559.D (-506) (-)





#7

Nitrobenzene-d5

Concen: 3.87 ng

RT: 8.96 min Scan# 392

Delta R.T. -0.02 min

Lab File: BE091585.D

Acq: 31 Mar 2016 15:22

Instrument :

BNA\_E

ClientSampleId :

F.B

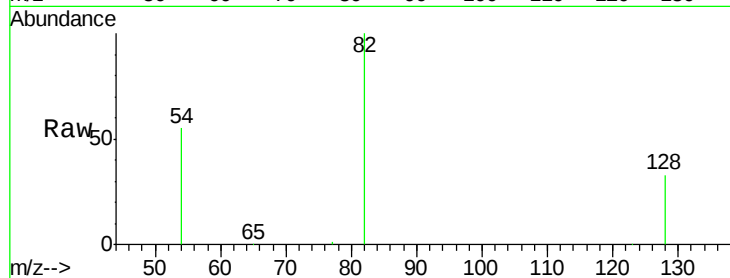
Tgt Ion: 82 Resp: 44562

Ion Ratio Lower Upper

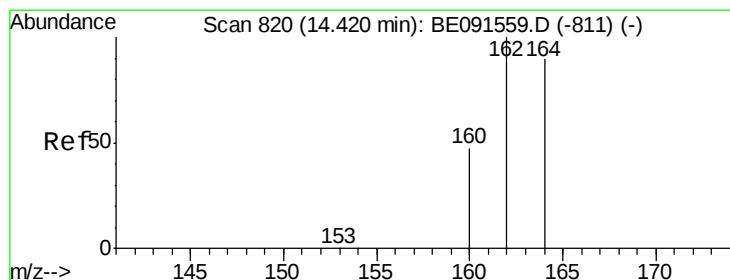
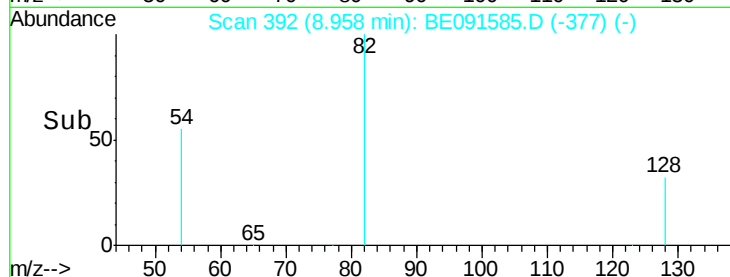
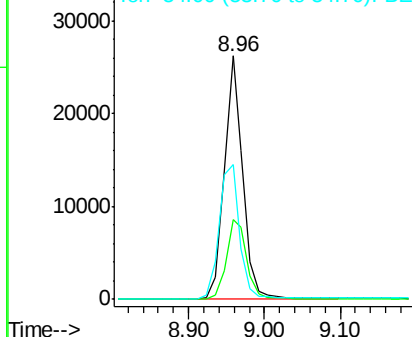
82 100

128 32.6 23.5 35.3

54 55.2 52.4 78.6



Abundance Ion 82.00 (81.70 to 82.70): BE0  
Ion 128.00 (127.70 to 128.70): BE0  
Ion 54.00 (53.70 to 54.70): BE0



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.42 min Scan# 820

Delta R.T. -0.03 min

Lab File: BE091585.D

Acq: 31 Mar 2016 15:22

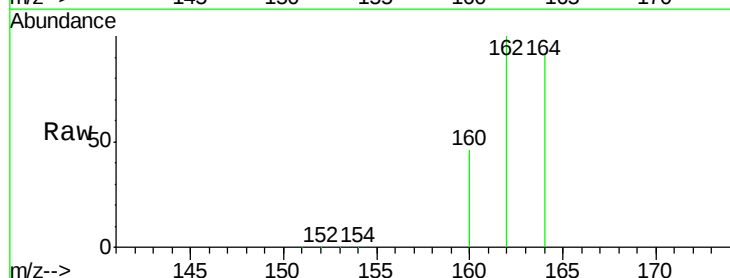
Tgt Ion: 164 Resp: 104748

Ion Ratio Lower Upper

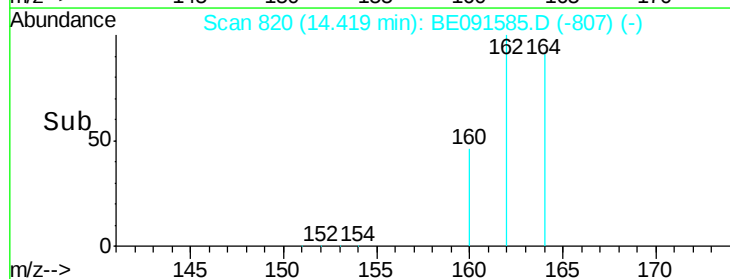
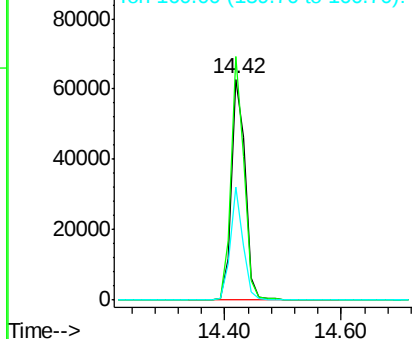
164 100

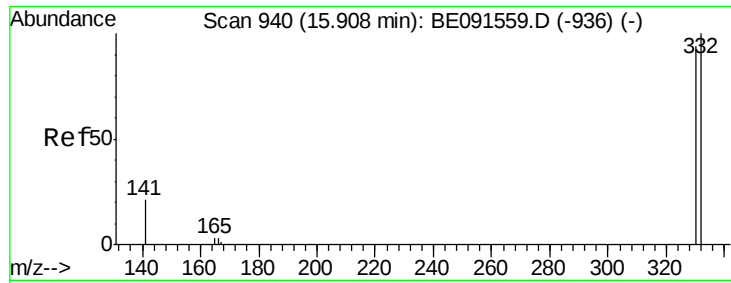
162 110.2 84.4 126.6

160 51.1 37.7 56.5



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

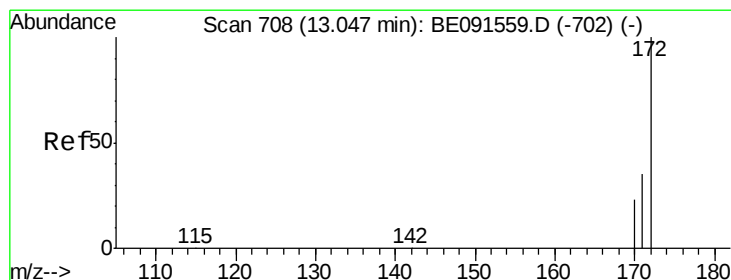
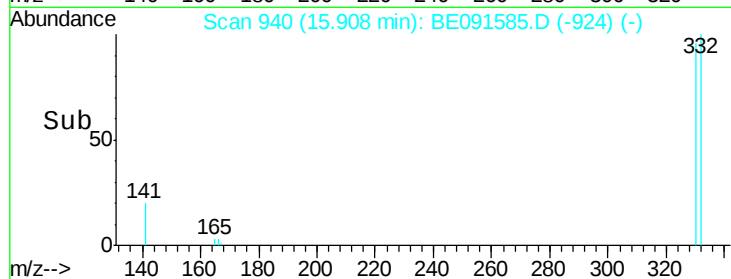
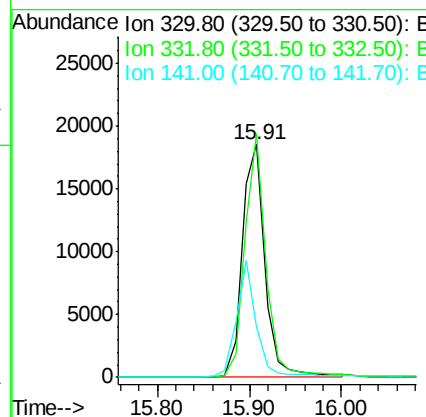
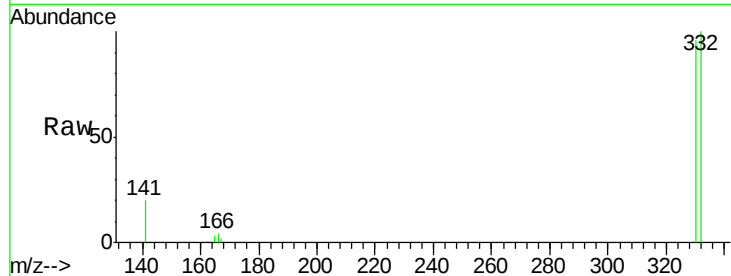




#11  
 2,4,6-Tribromophenol  
 Concen: 6.81 ng  
 RT: 15.91 min Scan# 940  
 Delta R.T. -0.01 min  
 Lab File: BE091585.D  
 Acq: 31 Mar 2016 15:22

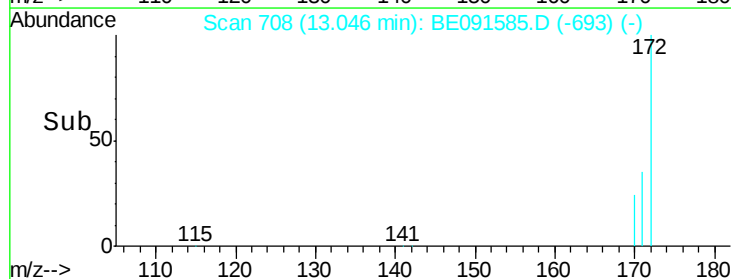
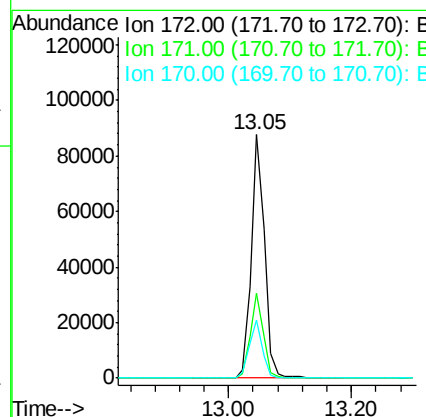
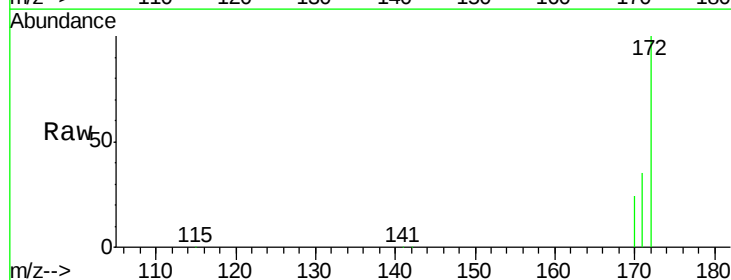
Instrument :  
 BNA\_E  
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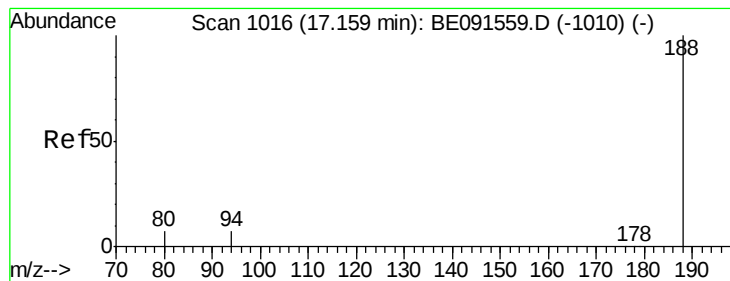
Tgt Ion:330 Resp: 31630  
 Ion Ratio Lower Upper  
 330 100  
 332 96.3 79.2 118.8  
 141 43.6 28.1 42.1#



#12  
 2-Fluorobiphenyl  
 Concen: 4.43 ng  
 RT: 13.05 min Scan# 708  
 Delta R.T. -0.02 min  
 Lab File: BE091585.D  
 Acq: 31 Mar 2016 15:22

Tgt Ion:172 Resp: 132028  
 Ion Ratio Lower Upper  
 172 100  
 171 35.1 29.8 44.8  
 170 23.6 21.4 32.2

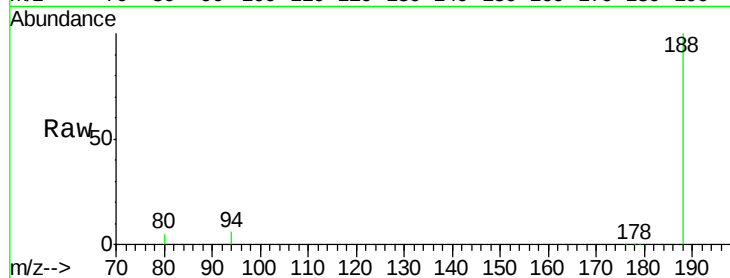




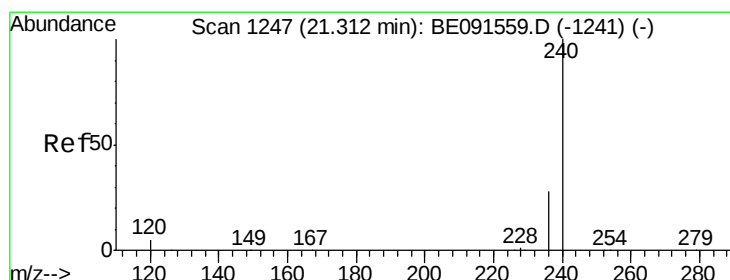
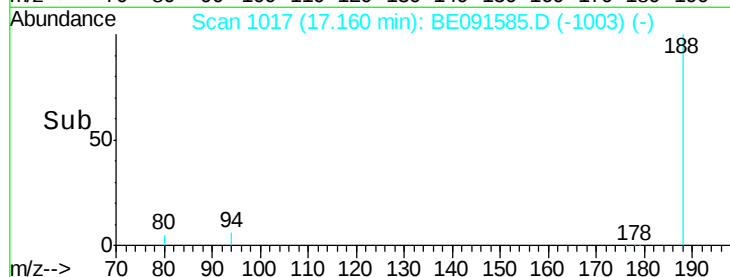
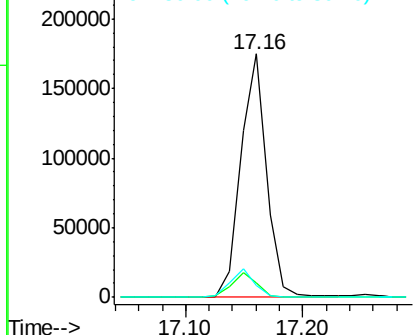
#16  
Phenanthrene-d10  
Concen: 5.00 ng  
RT: 17.16 min Scan# 1017  
Delta R.T. -0.01 min  
Lab File: BE091585.D  
Acq: 31 Mar 2016 15:22

Instrument :  
BNA\_E  
ClientSampleId :  
F.B

Tgt Ion:188 Resp: 268717  
Ion Ratio Lower Upper  
188 100  
94 5.9 5.4 8.2  
80 5.1 5.0 7.4

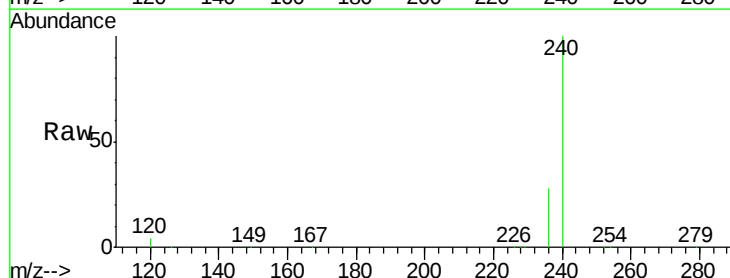


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BE0  
Ion 80.00 (79.70 to 80.70): BE0

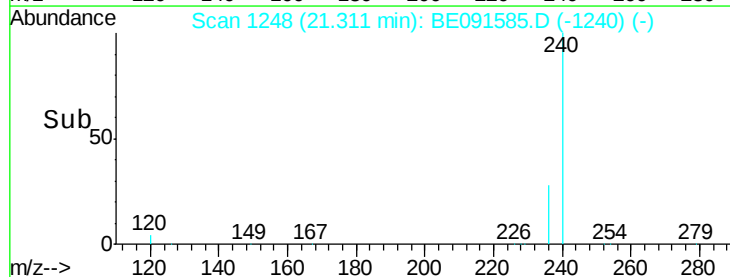
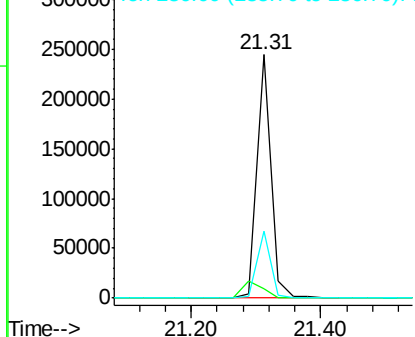


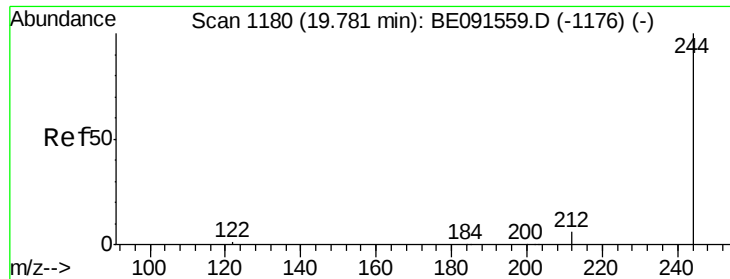
#22  
Chrysene-d12  
Concen: 5.00 ng  
RT: 21.31 min Scan# 1248  
Delta R.T. -0.02 min  
Lab File: BE091585.D  
Acq: 31 Mar 2016 15:22

Tgt Ion:240 Resp: 373559  
Ion Ratio Lower Upper  
240 100  
120 3.6 4.0 6.0#  
236 27.6 23.0 34.4



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





#24

Terphenyl-d14

Concen: 4.88 ng

RT: 19.76 min Scan# 1180

Delta R.T. -0.02 min

Lab File: BE091585.D

Acq: 31 Mar 2016 15:22

Instrument :

BNA\_E

ClientSampleId :

F.B

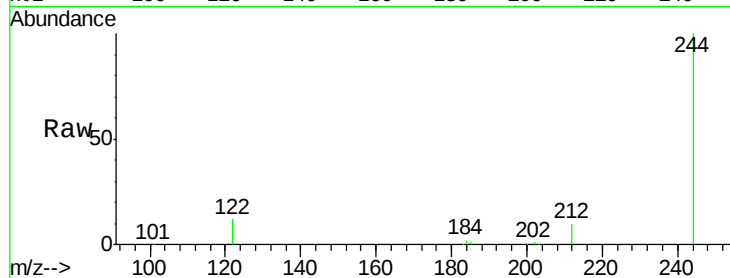
Tgt Ion:244 Resp: 231159

Ion Ratio Lower Upper

244 100

212 10.0 5.8 8.8#

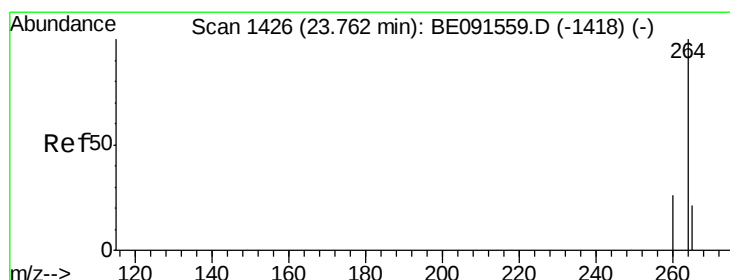
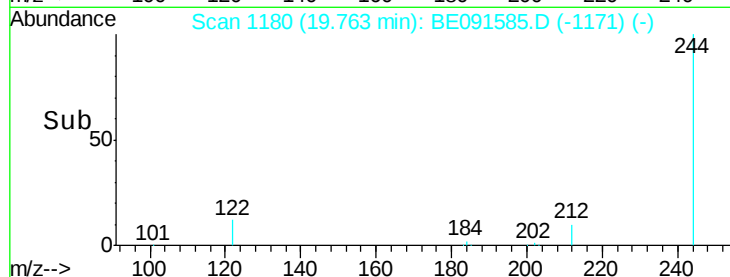
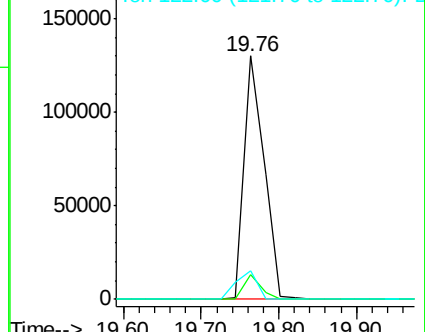
122 12.0 1.8 2.8#



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



#28

Perylene-d12

Concen: 5.00 ng

RT: 23.76 min Scan# 1427

Delta R.T. -0.03 min

Lab File: BE091585.D

Acq: 31 Mar 2016 15:22

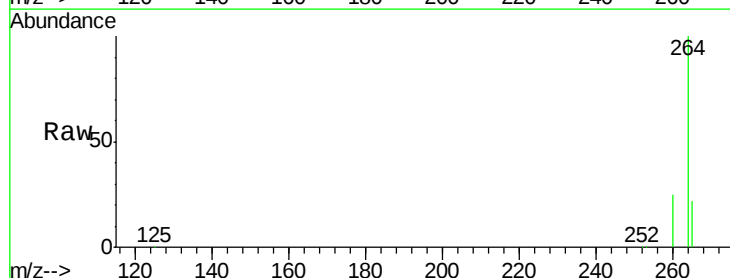
Tgt Ion:264 Resp: 320264

Ion Ratio Lower Upper

264 100

260 25.2 20.1 30.1

265 22.1 18.3 27.5



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

