

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE010915\  
 Data File : BE089397.D  
 Acq On : 10 Jan 2015 1:44  
 Operator : TP/IZ  
 Sample : SSTDICC002  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 LabSampleId :  
 SSTDICC0.1

Quant Time: Jan 12 01:33:22 2015  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SIM-ACID-BE010915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 12 01:25:19 2015  
 Response via : Initial Calibration

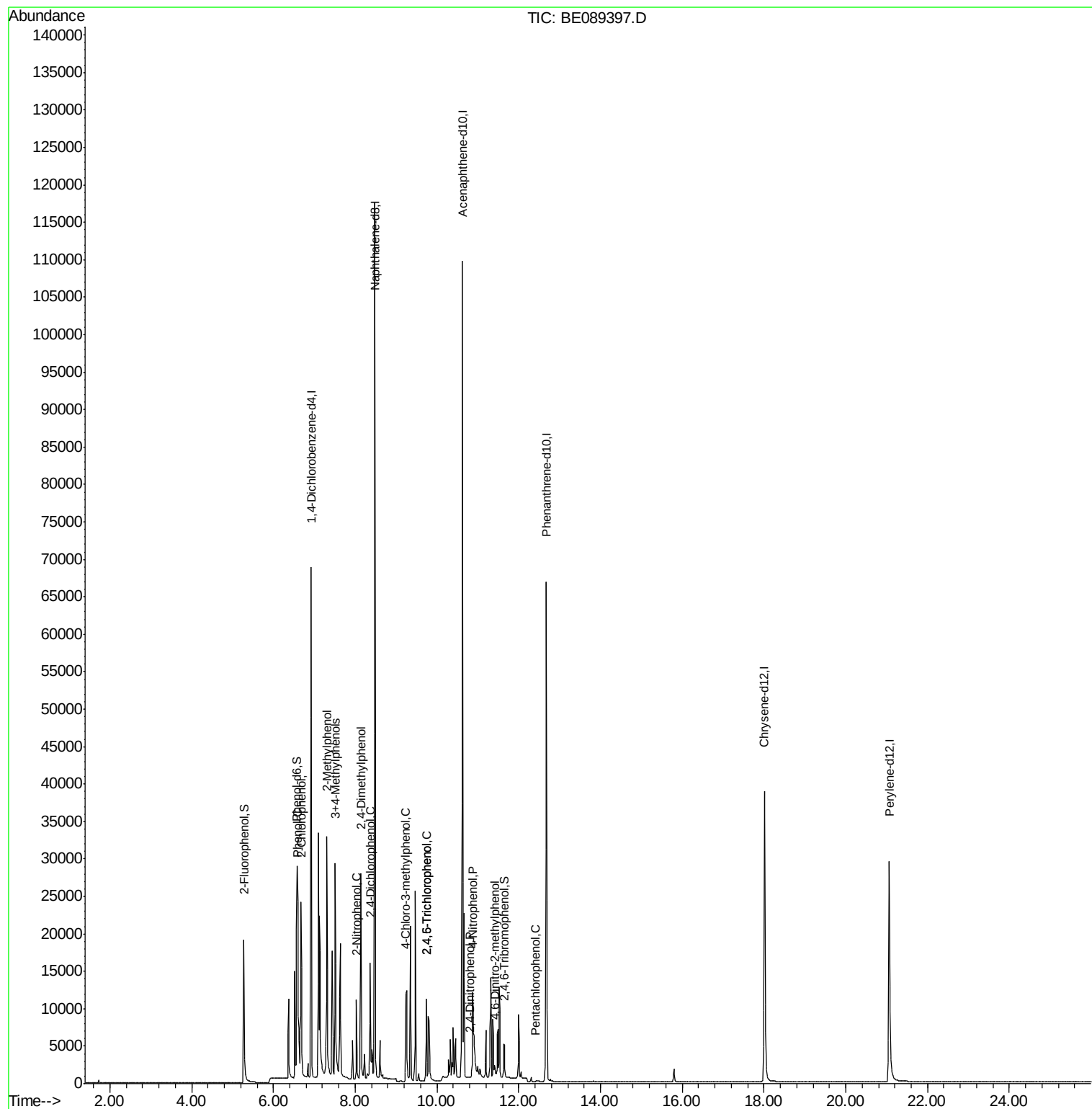
| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.93  | 152  | 27402    | 5.00 | ng    | 0.00     |
| 8) Naphthalene-d8              | 8.48  | 136  | 104246   | 5.00 | ng    | 0.00     |
| 13) Acenaphthene-d10           | 10.63 | 164  | 48210    | 5.00 | ng    | 0.00     |
| 19) Phenanthrene-d10           | 12.68 | 188  | 71670    | 5.00 | ng    | 0.00     |
| 22) Chrysene-d12               | 18.01 | 240  | 53430    | 5.00 | ng    | 0.00     |
| 23) Perylene-d12               | 21.06 | 264  | 46909    | 5.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |      |       |          |
| 2) 2-Fluorophenol              | 5.27  | 112  | 14632    | 2.11 | ng    | 0.00     |
| 3) Phenol-d6                   | 6.58  | 99   | 17901    | 1.95 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 11.65 | 330  | 2993     | 1.92 | ng    | 0.00     |
| Target Compounds               |       |      |          |      |       | Qvalue   |
| 4) 2-Chlorophenol              | 6.68  | 128  | 16604    | 2.16 | ng    | # 68     |
| 5) Phenol                      | 6.59  | 94   | 22589    | 2.03 | ng    | 95       |
| 6) 2-Methylphenol              | 7.31  | 107  | 12945    | 1.54 | ng    | 96       |
| 7) 3+4-Methylphenols           | 7.51  | 107  | 16142    | 2.14 | ng    | 95       |
| 9) 2-Nitrophenol               | 8.03  | 139  | 7536     | 2.05 | ng    | # 79     |
| 10) 2,4-Dimethylphenol         | 8.14  | 122  | 13849    | 2.12 | ng    | 88       |
| 11) 2,4-Dichlorophenol         | 8.37  | 162  | 11627    | 2.05 | ng    | 93       |
| 12) 4-Chloro-3-methylphenol    | 9.24  | 107  | 12326    | 2.09 | ng    | # 63     |
| 15) 2,4,6-Trichlorophenol      | 9.74  | 196  | 6874     | 2.10 | ng    | # 85     |
| 16) 2,4,5-Trichlorophenol      | 9.74  | 196  | 6874     | 1.87 | ng    | 83       |
| 17) 2,4-Dinitrophenol          | 10.81 | 184  | 29       | 0.04 | ng    | 88       |
| 18) 4-Nitrophenol              | 10.87 | 139  | 13064    | 1.74 | ng    | 99       |
| 20) 4,6-Dinitro-2-methylphenol | 11.41 | 198  | 1572     | 1.41 | ng    | 94       |
| 21) Pentachlorophenol          | 12.42 | 266  | 177      | 0.19 | ng    | 83       |

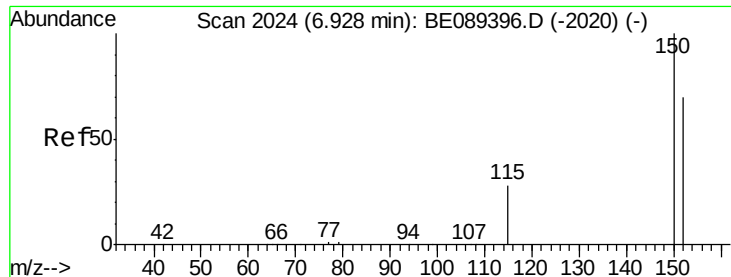
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.93 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BE089397.D

Acq: 10 Jan 2015 1:44

Instrument :

BNA\_E

LabSampleId :

SSTDIC0.1

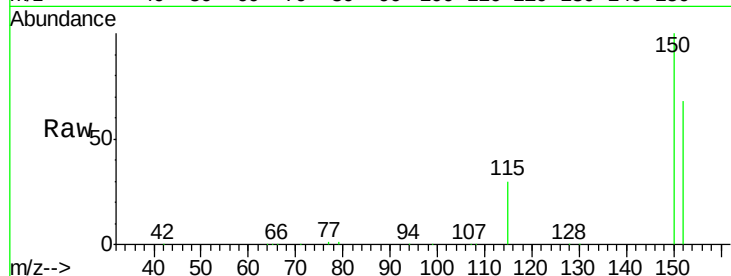
Tgt Ion:152 Resp: 27402

Ion Ratio Lower Upper

152 100

150 147.4 114.2 171.2

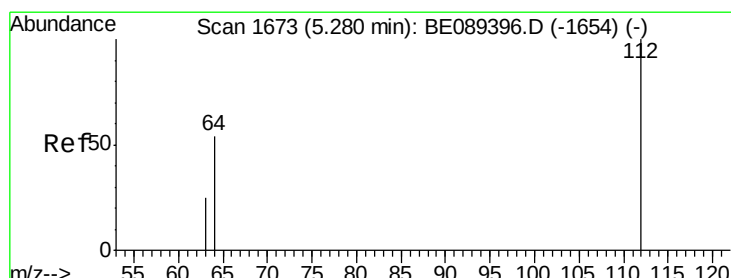
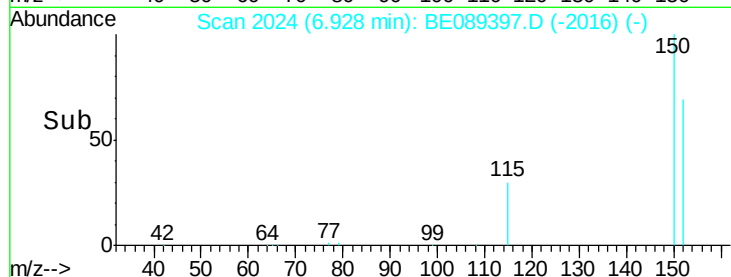
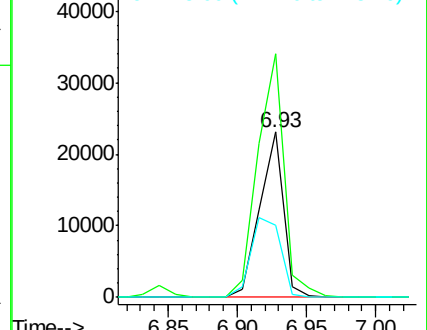
115 43.9 31.8 47.8



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



#2

2-Fluorophenol

Concen: 2.11 ng

RT: 5.27 min Scan# 1671

Delta R.T. -0.01 min

Lab File: BE089397.D

Acq: 10 Jan 2015 1:44

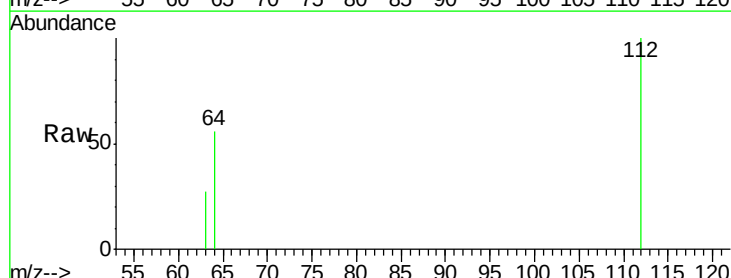
Tgt Ion:112 Resp: 14632

Ion Ratio Lower Upper

112 100

64 55.8 43.8 65.8

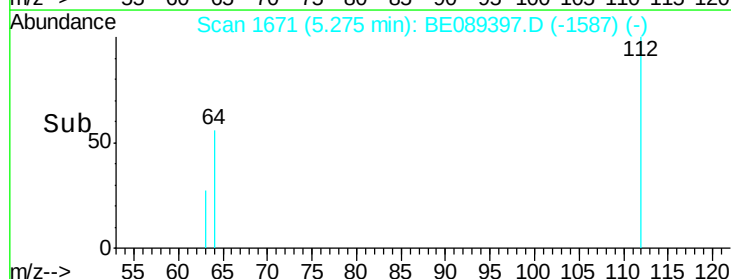
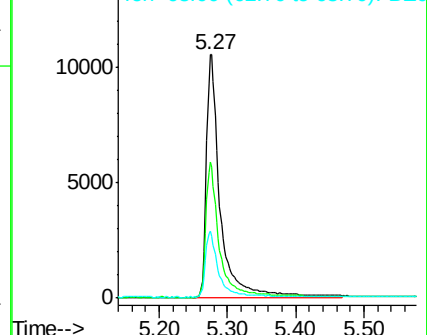
63 27.3 20.9 31.3

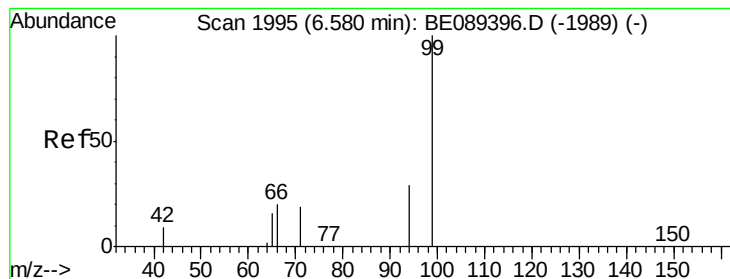


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#3

Phenol-d6

Concen: 1.95 ng

RT: 6.58 min Scan# 1995

Delta R.T. -0.00 min

Lab File: BE089397.D

Acq: 10 Jan 2015 1:44

Instrument :

BNA\_E

LabSampleId :

SSTDIC0.1

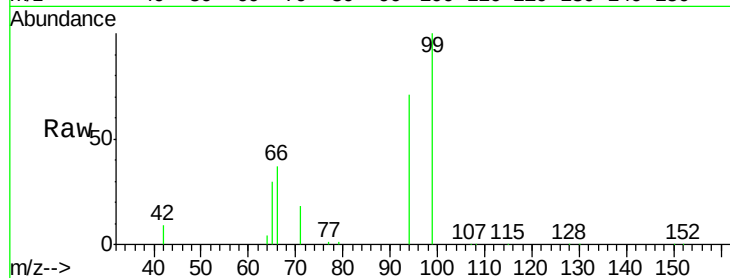
Tgt Ion: 99 Resp: 17901

Ion Ratio Lower Upper

99 100

42 9.5 7.8 11.8

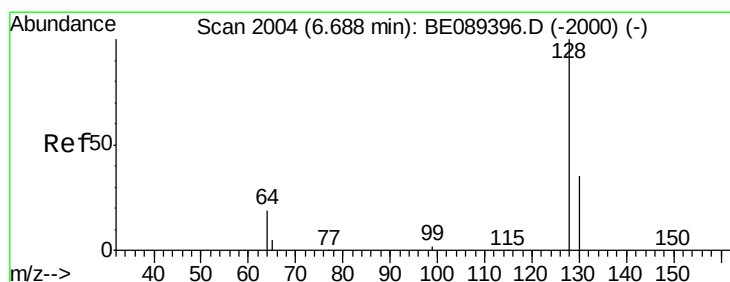
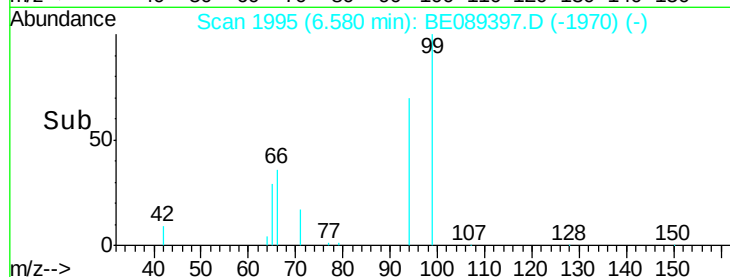
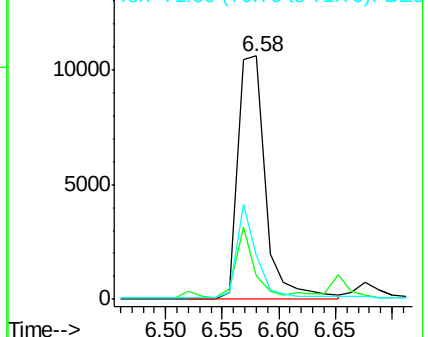
71 17.8 15.4 23.0



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#4

2-Chlorophenol

Concen: 2.16 ng

RT: 6.68 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BE089397.D

Acq: 10 Jan 2015 1:44

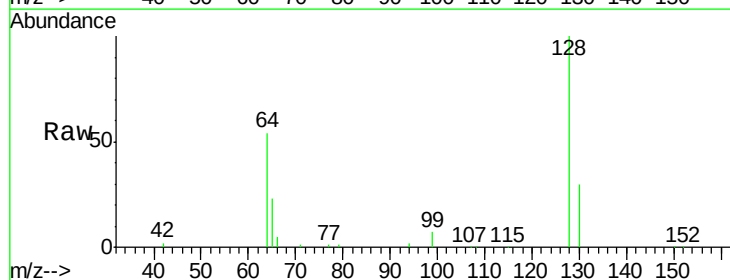
Tgt Ion: 128 Resp: 16604

Ion Ratio Lower Upper

128 100

130 29.7 15.6 55.6

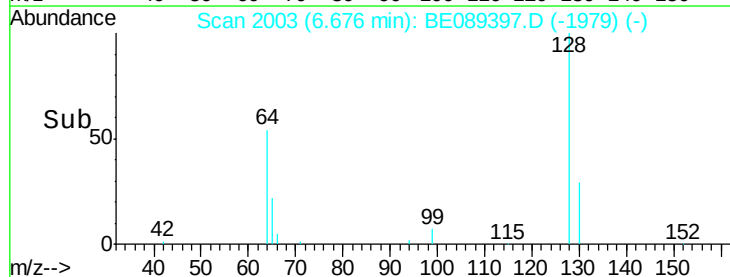
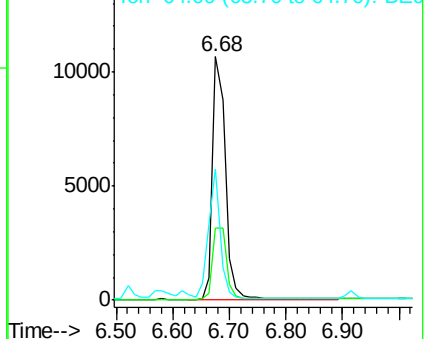
64 53.8 0.8 40.8#

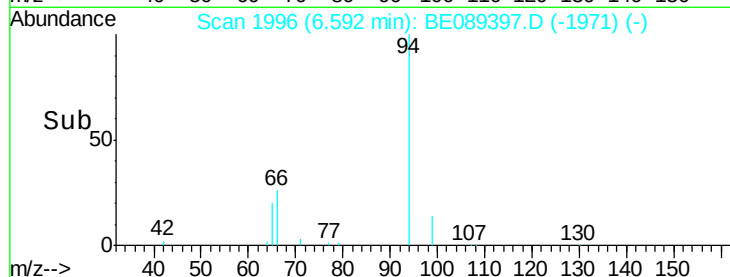
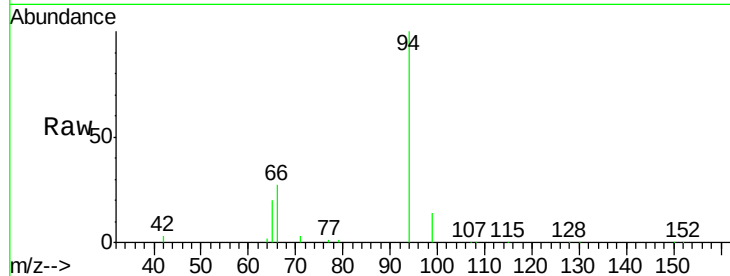
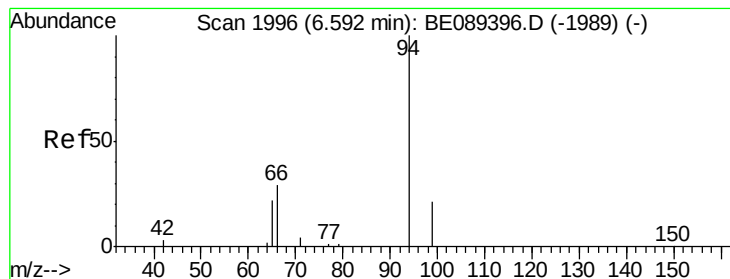


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BE0





#5

Phenol

Concen: 2.03 ng

RT: 6.59 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BE089397.D

Acq: 10 Jan 2015 1:44

Instrument :

BNA\_E

LabSampleId :

SSTDICC0.1

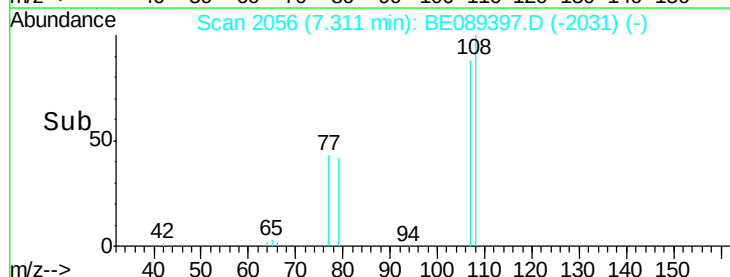
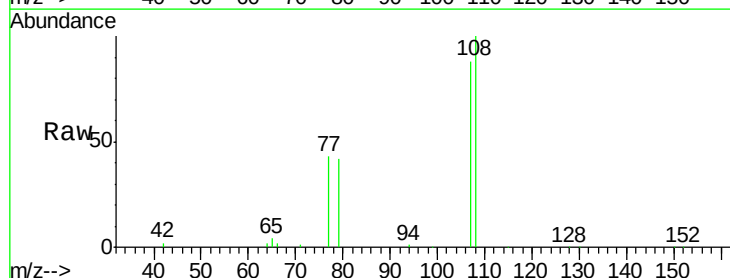
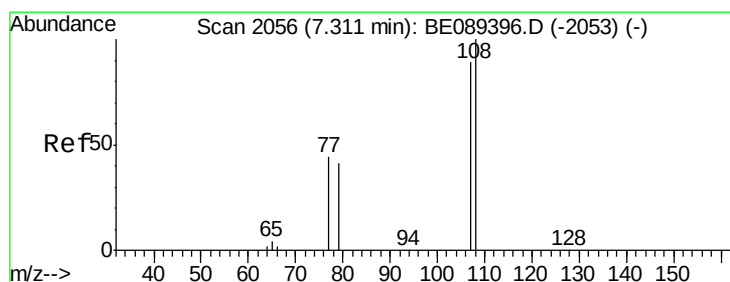
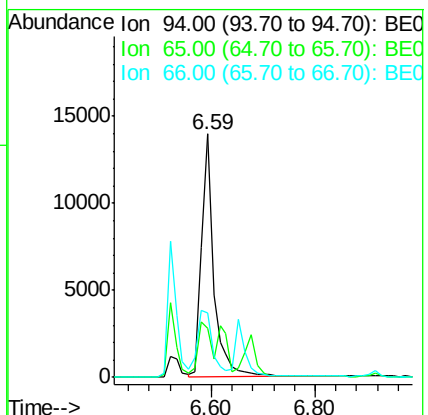
Tgt Ion: 94 Resp: 22589

Ion Ratio Lower Upper

94 100

65 20.2 2.6 42.6

66 26.6 9.5 49.5



#6

2-Methylphenol

Concen: 1.54 ng

RT: 7.31 min Scan# 2056

Delta R.T. -0.00 min

Lab File: BE089397.D

Acq: 10 Jan 2015 1:44

Tgt Ion: 107 Resp: 12945

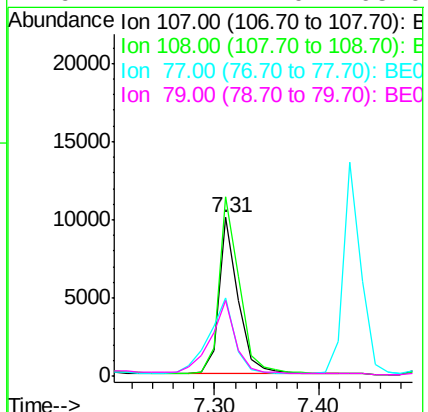
Ion Ratio Lower Upper

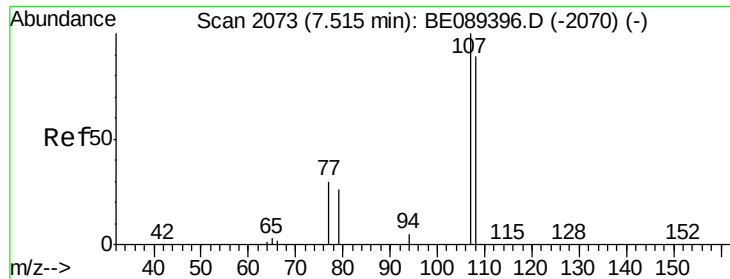
107 100

108 113.4 90.7 136.1

77 49.3 45.1 67.7

79 47.7 42.0 63.0





#7

3+4-Methylphenols

Concen: 2.14 ng

RT: 7.51 min Scan# 2073

Delta R.T. -0.00 min

Lab File: BE089397.D

Acq: 10 Jan 2015 1:44

Instrument :

BNA\_E

LabSampleId :

SSTDICC0.1

Tgt Ion:107 Resp: 16142

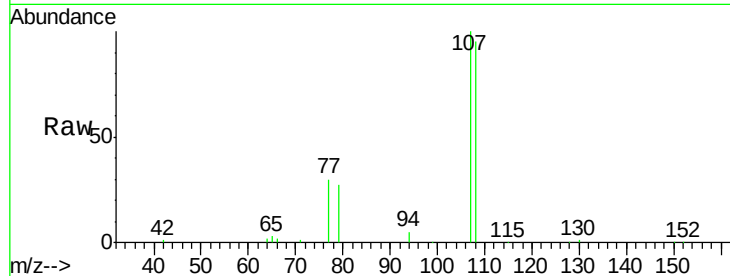
Ion Ratio Lower Upper

107 100

108 95.0 69.4 109.4

77 30.2 12.6 52.6

79 26.6 6.9 46.9

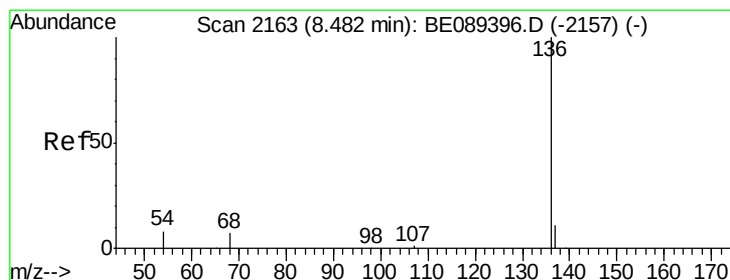
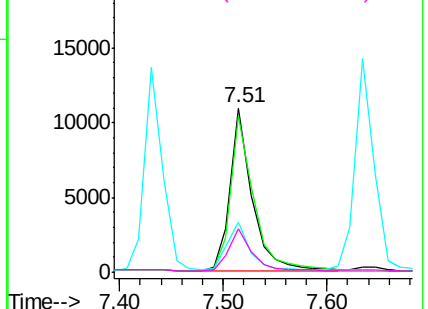
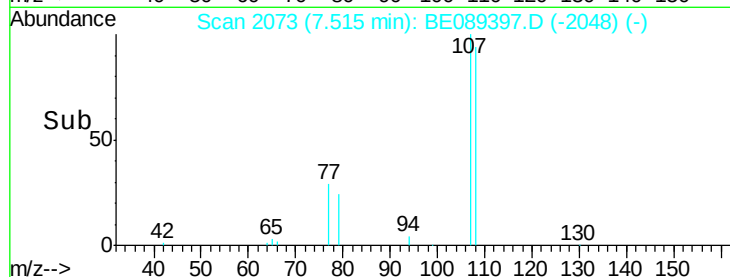


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BE0

Ion 79.00 (78.70 to 79.70): BE0



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 8.48 min Scan# 2163

Delta R.T. 0.00 min

Lab File: BE089397.D

Acq: 10 Jan 2015 1:44

Tgt Ion:136 Resp: 104246

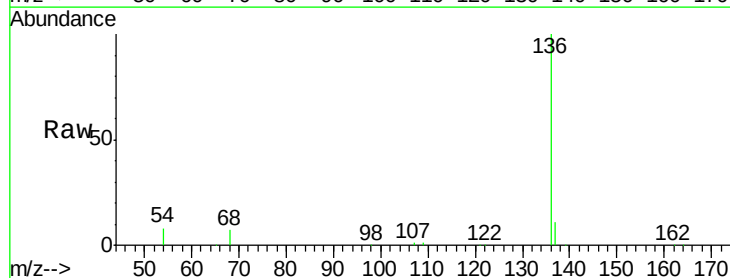
Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

54 7.8 6.6 10.0

68 7.1 6.0 9.0

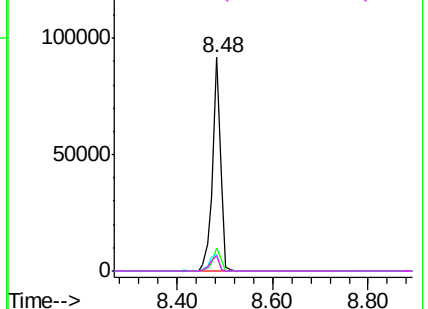
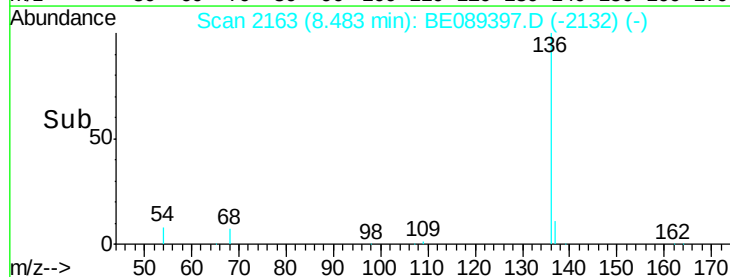


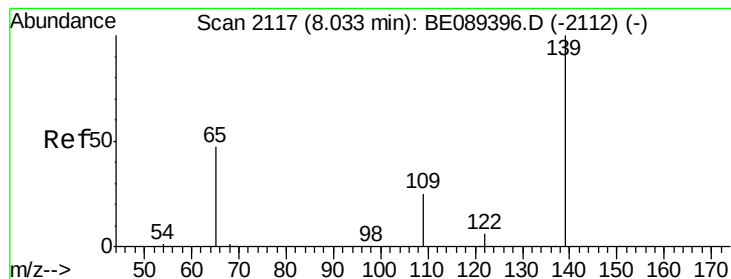
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#9

2-Nitrophenol

Concen: 2.05 ng

RT: 8.03 min Scan# 2117

Delta R.T. 0.00 min

Lab File: BE089397.D

Acq: 10 Jan 2015 1:44

Instrument :

BNA\_E

LabSampleId :

SSTDIC0.1

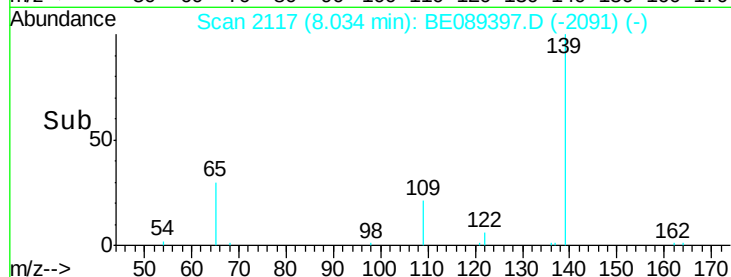
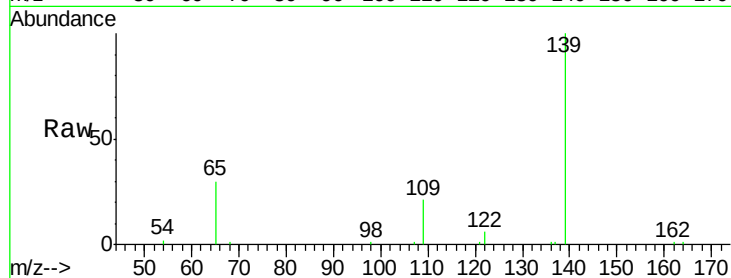
Tgt Ion:139 Resp: 7536

Ion Ratio Lower Upper

139 100

109 20.6 21.2 31.8#

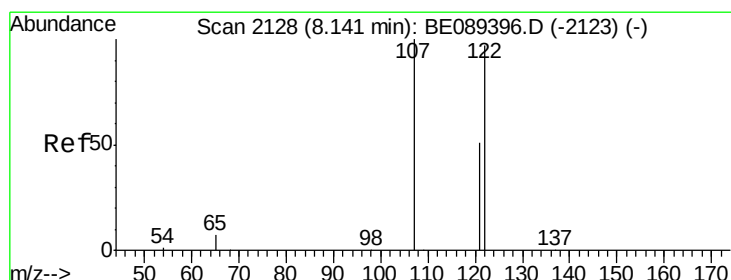
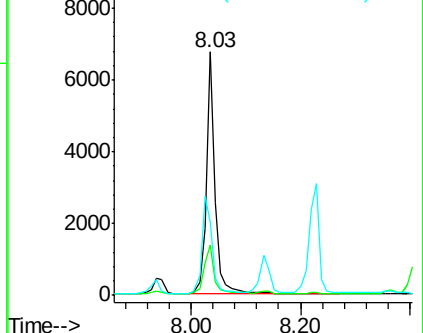
65 30.4 38.1 57.1#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BE0



#10

2,4-Dimethylphenol

Concen: 2.12 ng

RT: 8.14 min Scan# 2128

Delta R.T. 0.00 min

Lab File: BE089397.D

Acq: 10 Jan 2015 1:44

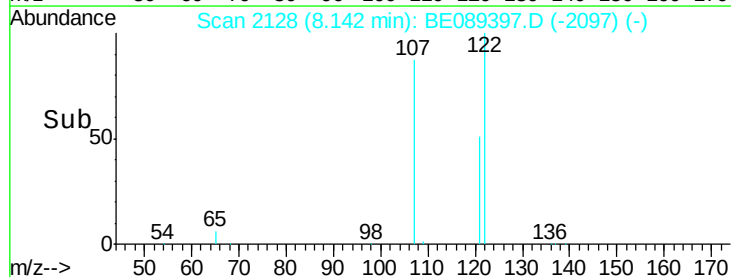
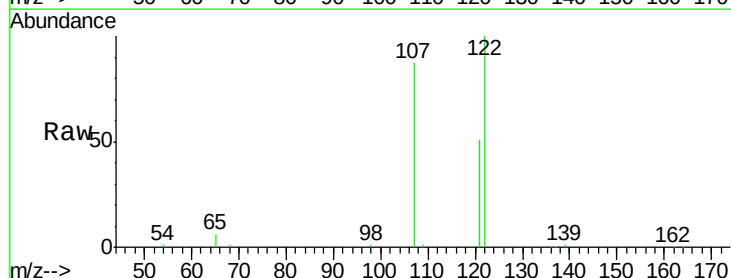
Tgt Ion:122 Resp: 13849

Ion Ratio Lower Upper

122 100

107 87.1 82.5 123.7

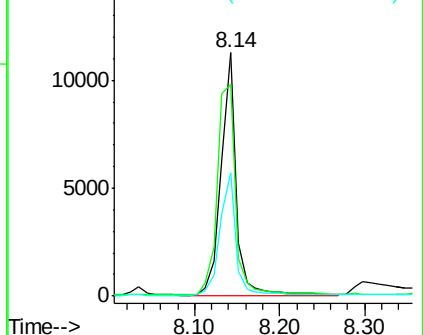
121 50.8 42.6 64.0

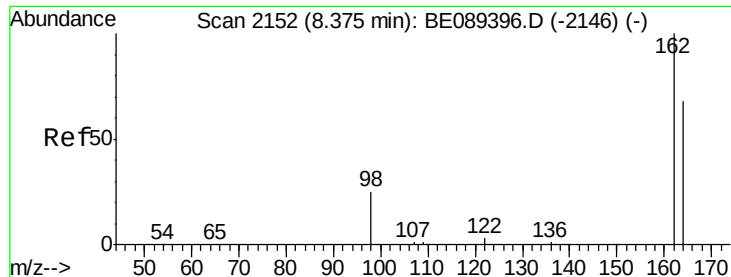


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

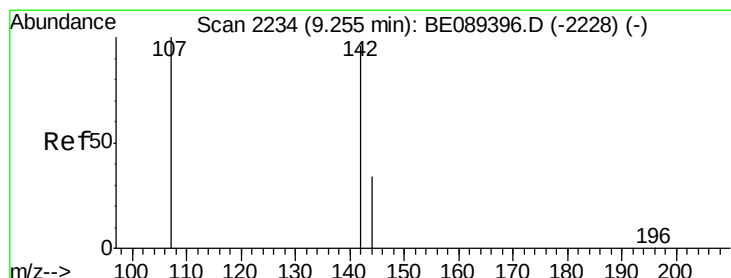
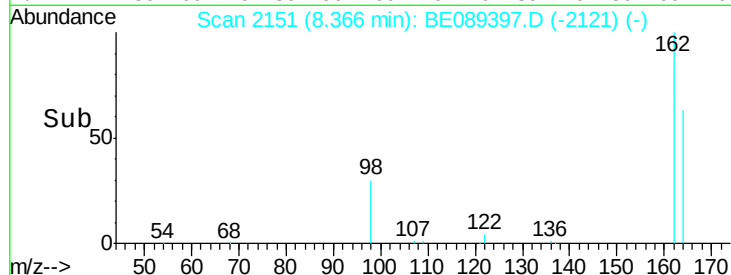
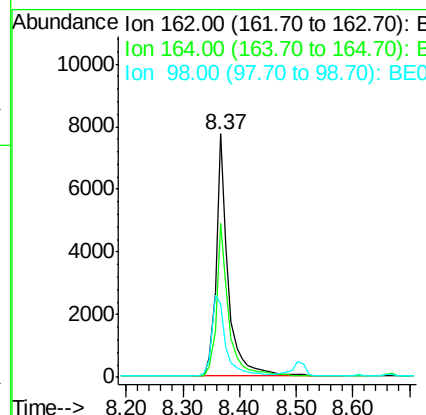
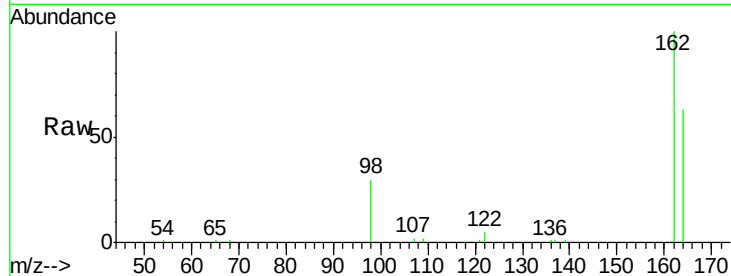




#11  
 2,4-Dichlorophenol  
 Concen: 2.05 ng  
 RT: 8.37 min Scan# 2151  
 Delta R.T. -0.01 min  
 Lab File: BE089397.D  
 Acq: 10 Jan 2015 1:44

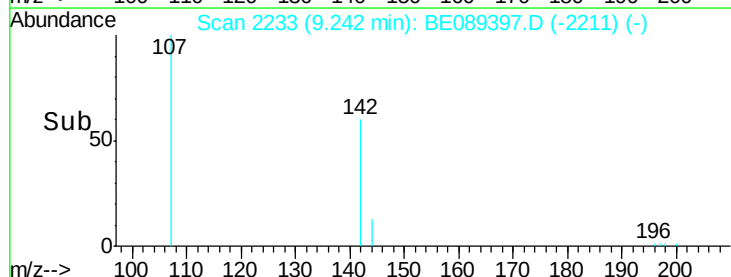
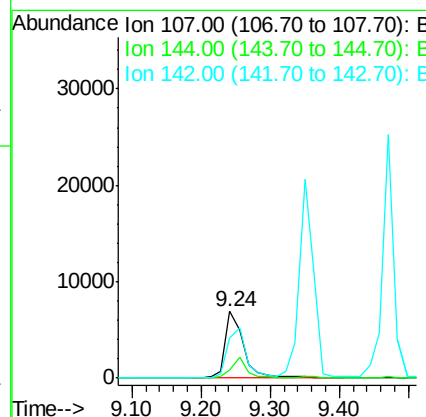
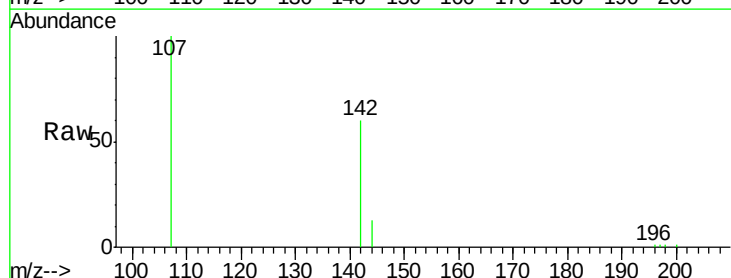
Instrument :  
 BNA\_E  
 LabSampleId :  
 SSTDICC0.1

Tgt Ion:162 Resp: 11627  
 Ion Ratio Lower Upper  
 162 100  
 164 63.3 48.0 88.0  
 98 30.3 5.8 45.8

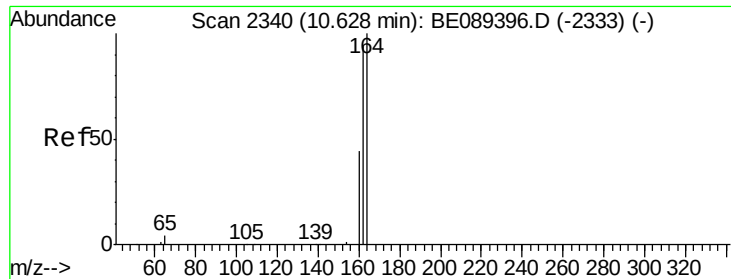


#12  
 4-Chloro-3-methylphenol  
 Concen: 2.09 ng  
 RT: 9.24 min Scan# 2233  
 Delta R.T. -0.01 min  
 Lab File: BE089397.D  
 Acq: 10 Jan 2015 1:44

Tgt Ion:107 Resp: 12326  
 Ion Ratio Lower Upper  
 107 100  
 144 12.5 27.4 41.2#  
 142 59.7 76.6 114.8#







#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.63 min Scan# 2340

Delta R.T. -0.00 min

Lab File: BE089397.D

Acq: 10 Jan 2015 1:44

Instrument :

BNA\_E

LabSampleId :

SSTDIC0.1

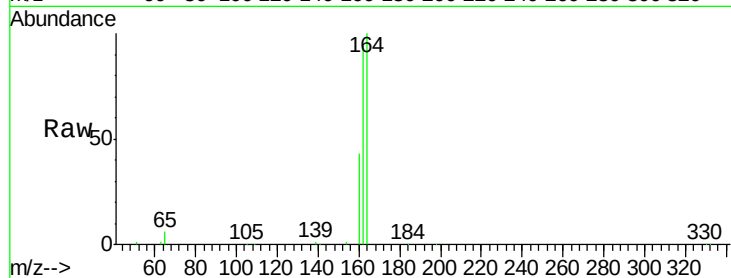
Tgt Ion:164 Resp: 48210

Ion Ratio Lower Upper

164 100

162 93.5 75.2 112.8

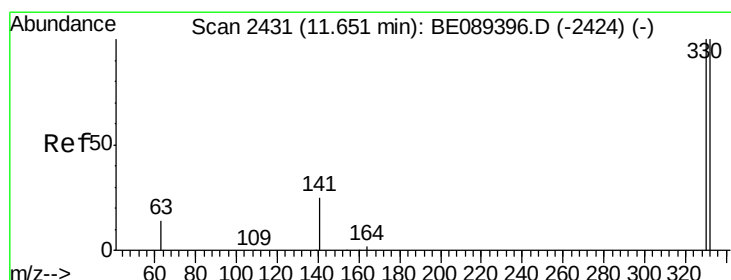
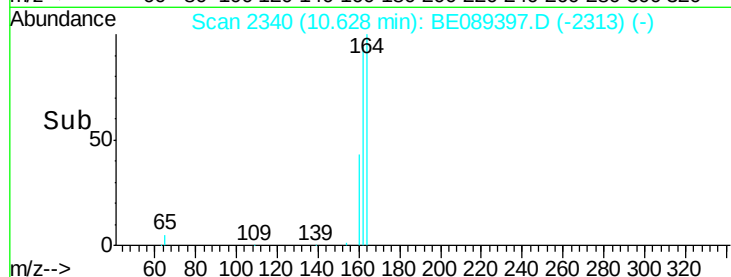
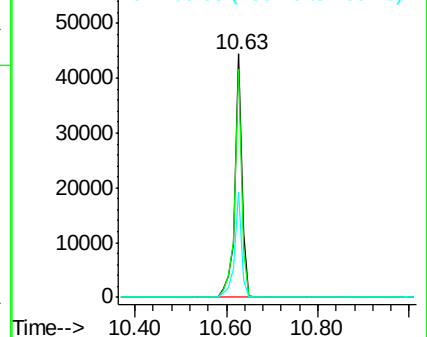
160 43.1 35.0 52.4



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



#14

2,4,6-Tribromophenol

Concen: 1.92 ng

RT: 11.65 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BE089397.D

Acq: 10 Jan 2015 1:44

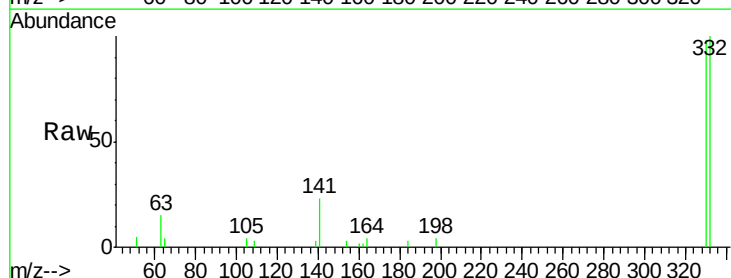
Tgt Ion:330 Resp: 2993

Ion Ratio Lower Upper

330 100

332 96.3 76.6 115.0

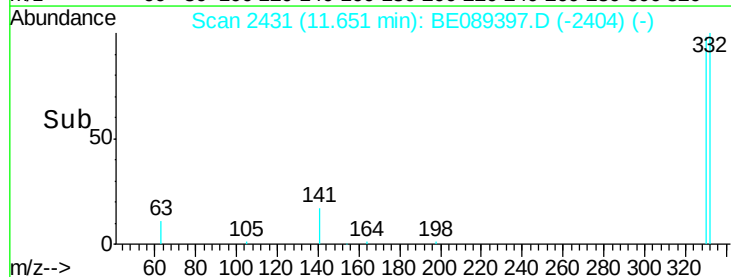
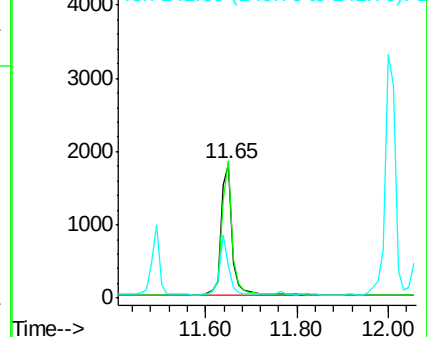
141 36.4 29.9 44.9

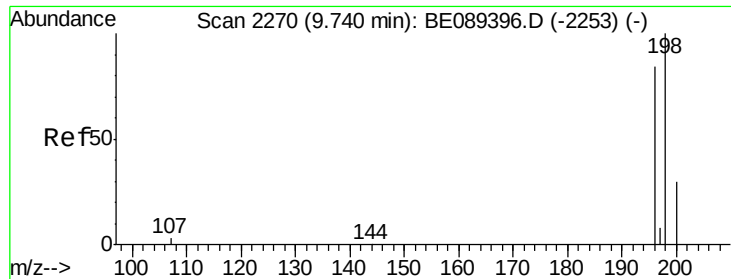


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

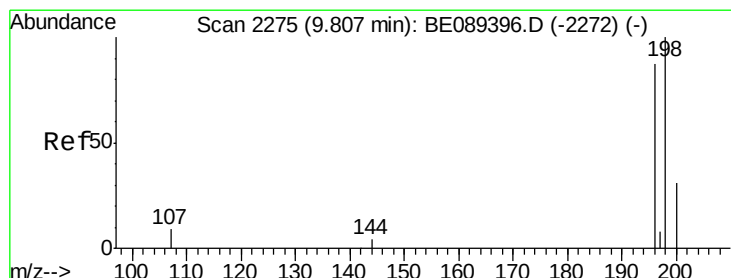
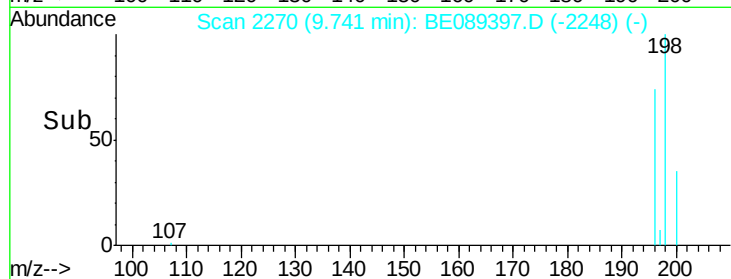
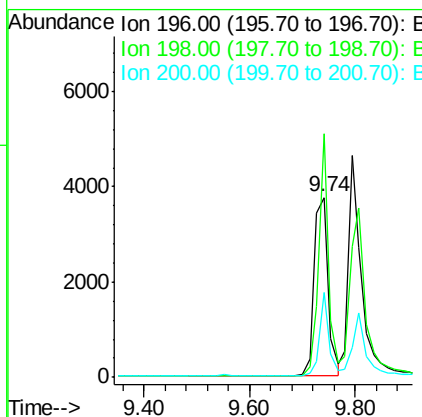
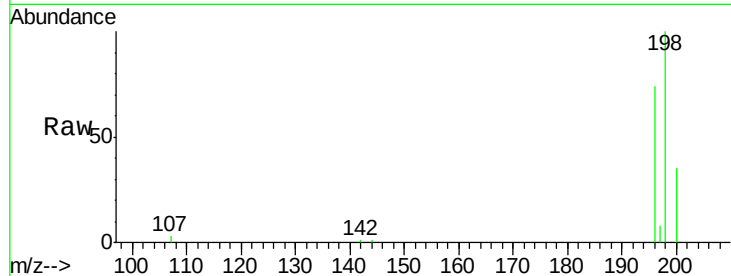




#15  
 2,4,6-Trichlorophenol  
 Concen: 2.10 ng  
 RT: 9.74 min Scan# 2270  
 Delta R.T. 0.00 min  
 Lab File: BE089397.D  
 Acq: 10 Jan 2015 1:44

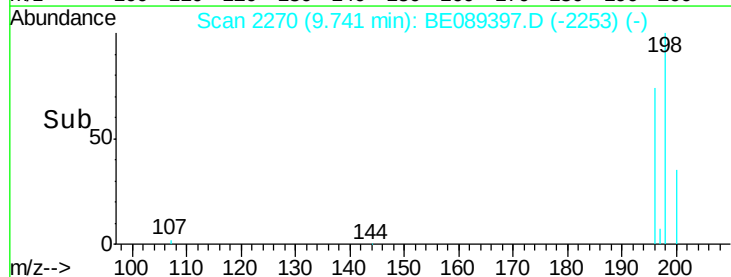
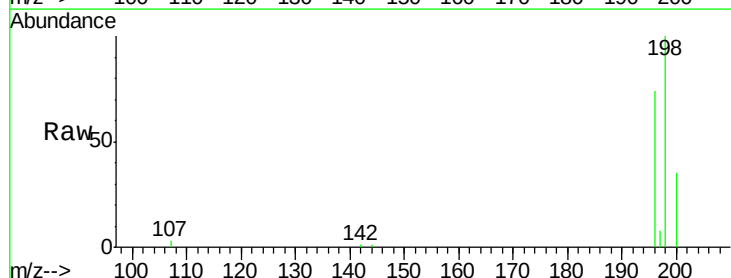
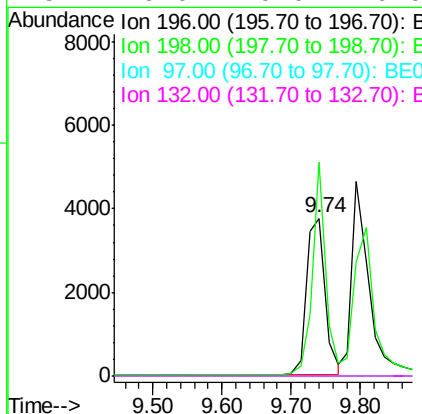
Instrument :  
 BNA\_E  
 LabSampleId :  
 SSTDICC0.1

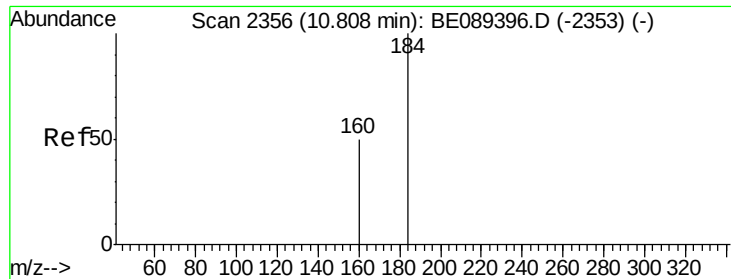
Tgt Ion:196 Resp: 6874  
 Ion Ratio Lower Upper  
 196 100  
 198 135.5 95.3 142.9  
 200 47.6 29.8 44.6#



#16  
 2,4,5-Trichlorophenol  
 Concen: 1.87 ng  
 RT: 9.74 min Scan# 2270  
 Delta R.T. -0.07 min  
 Lab File: BE089397.D  
 Acq: 10 Jan 2015 1:44

Tgt Ion:196 Resp: 6874  
 Ion Ratio Lower Upper  
 196 100  
 198 135.5 93.4 140.2  
 97 0.0 0.0 0.0  
 132 0.0 0.0 0.0

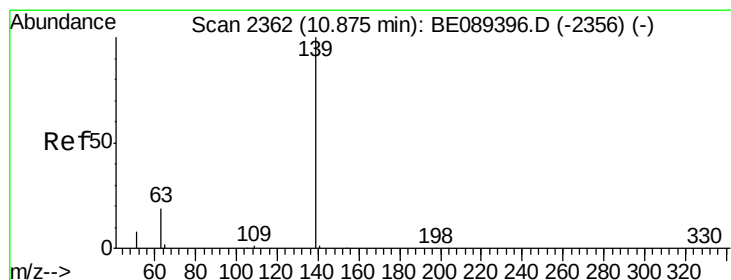
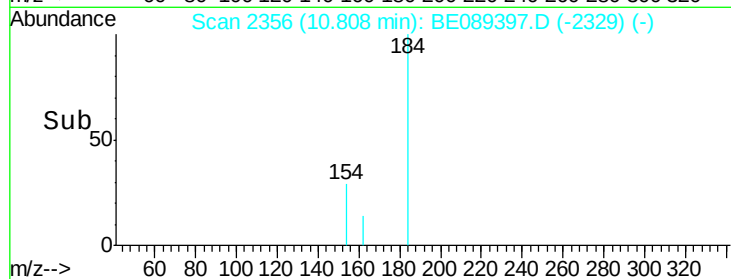
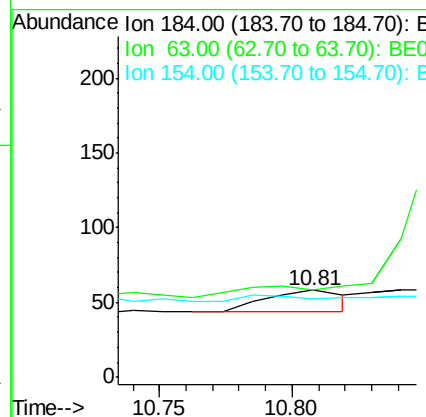
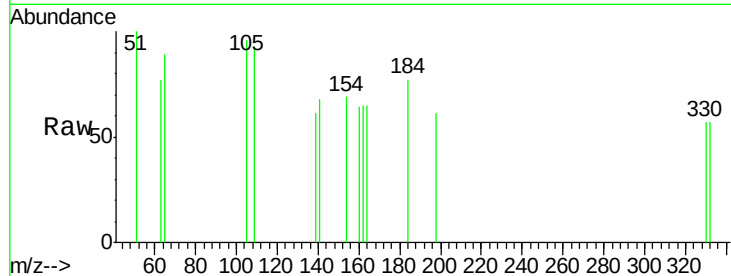




#17  
2,4-Dinitrophenol  
Concen: 0.04 ng  
RT: 10.81 min Scan# 2356  
Delta R.T. -0.00 min  
Lab File: BE089397.D  
Acq: 10 Jan 2015 1:44

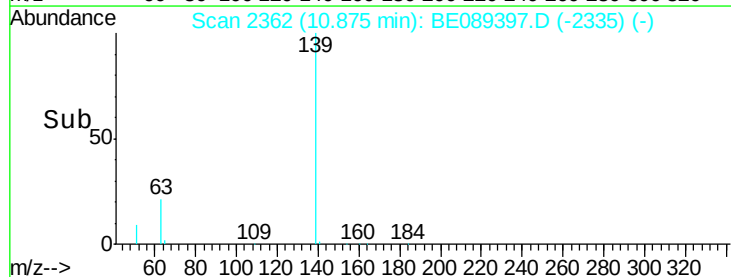
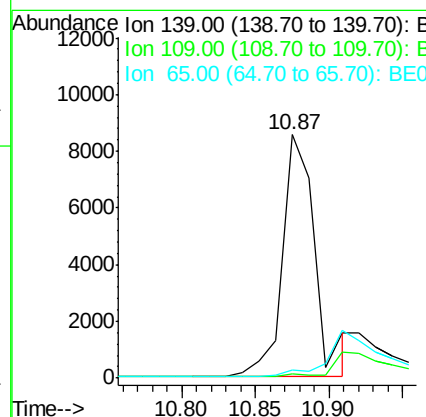
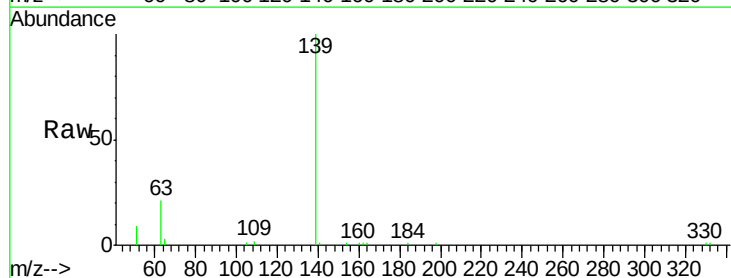
Instrument :  
BNA\_E  
LabSampleId :  
SSTDIC0.1

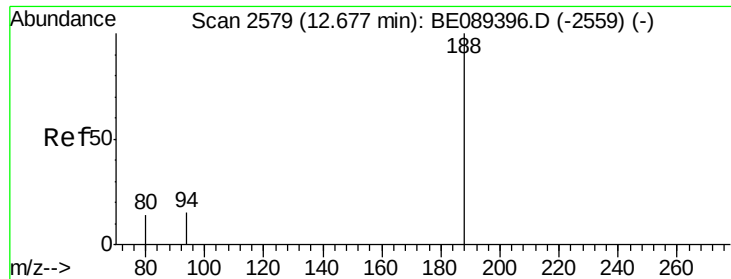
Tgt Ion:184 Resp: 29  
Ion Ratio Lower Upper  
184 100  
63 100.0 90.6 136.0  
154 89.7 81.8 122.6



#18  
4-Nitrophenol  
Concen: 1.74 ng  
RT: 10.87 min Scan# 2362  
Delta R.T. -0.00 min  
Lab File: BE089397.D  
Acq: 10 Jan 2015 1:44

Tgt Ion:139 Resp: 13064  
Ion Ratio Lower Upper  
139 100  
109 1.5 0.0 22.1  
65 3.2 0.0 23.3





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.68 min Scan# 2579

Delta R.T. -0.00 min

Lab File: BE089397.D

Acq: 10 Jan 2015 1:44

Instrument :

BNA\_E

LabSampleId :

SSTDIC0.1

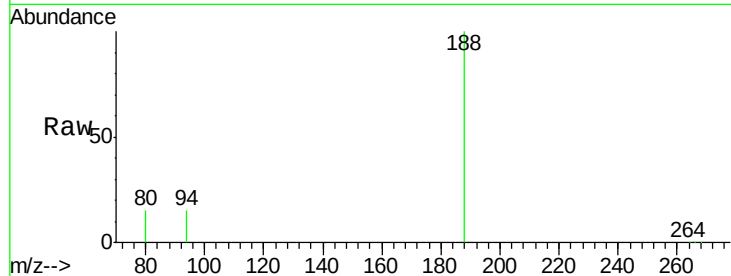
Tgt Ion:188 Resp: 71670

Ion Ratio Lower Upper

188 100

94 15.3 12.1 18.1

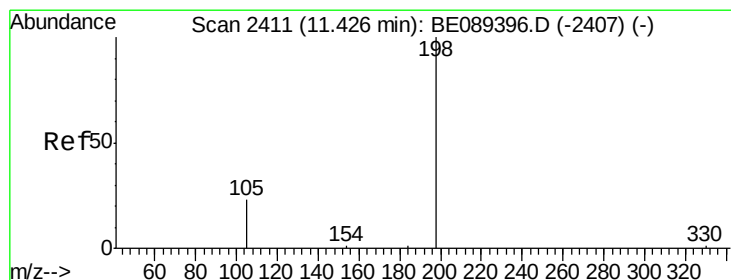
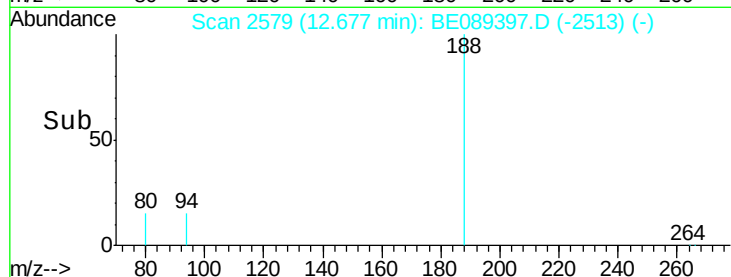
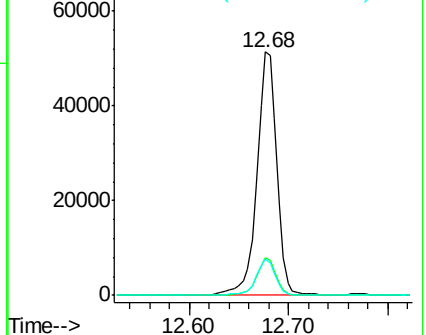
80 14.9 11.6 17.4



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



#20

4,6-Dinitro-2-methylphenol

Concen: 1.41 ng

RT: 11.41 min Scan# 2410

Delta R.T. -0.01 min

Lab File: BE089397.D

Acq: 10 Jan 2015 1:44

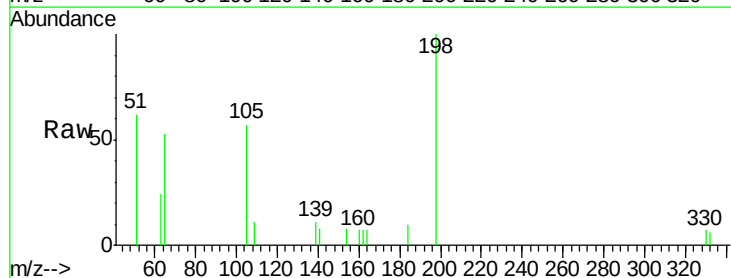
Tgt Ion:198 Resp: 1572

Ion Ratio Lower Upper

198 100

51 62.2 49.4 89.4

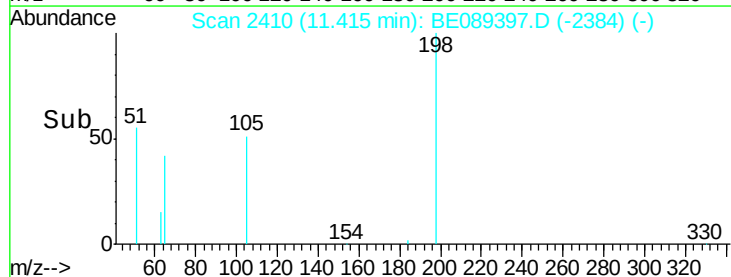
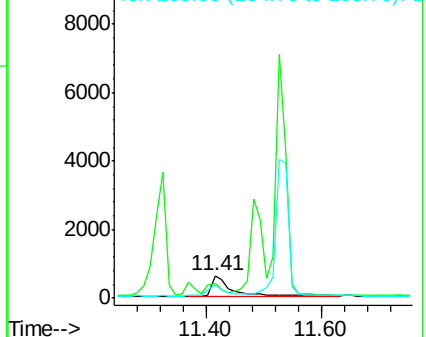
105 57.2 39.8 79.8

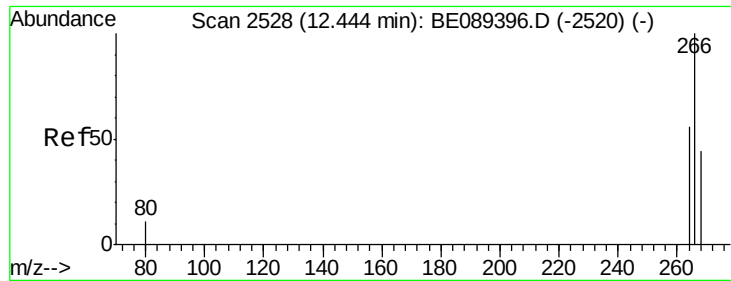


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BE0

Ion 105.00 (104.70 to 105.70): E

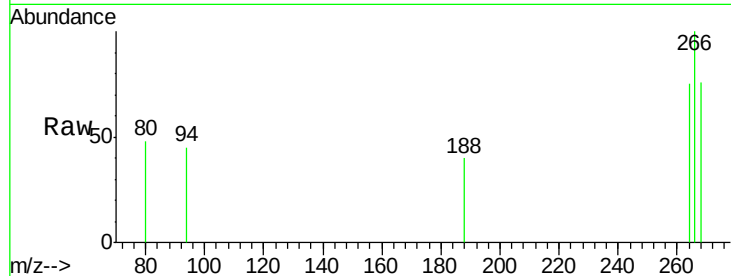




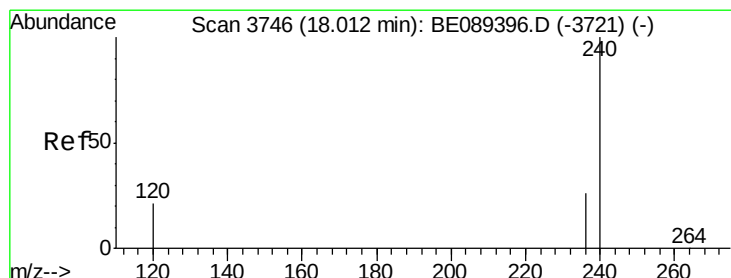
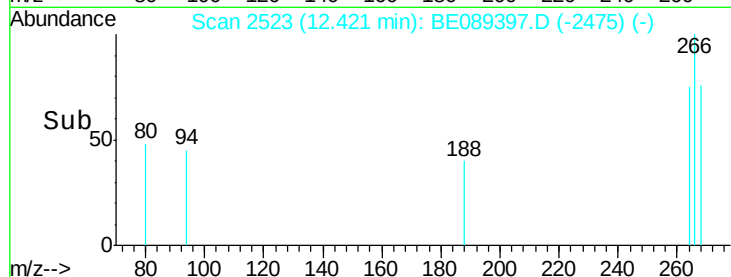
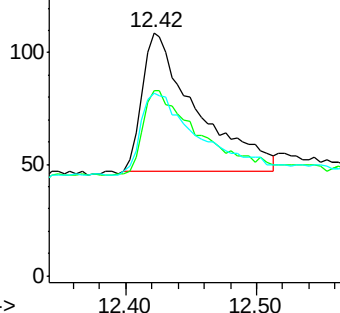
#21  
 Pentachlorophenol  
 Concen: 0.19 ng  
 RT: 12.42 min Scan# 2523  
 Delta R.T. -0.02 min  
 Lab File: BE089397.D  
 Acq: 10 Jan 2015 1:44

Instrument :  
 BNA\_E  
 LabSampleId :  
 SSTDICC0.1

Tgt Ion: 266 Resp: 177  
 Ion Ratio Lower Upper  
 266 100  
 268 76.1 72.6 108.8  
 264 75.2 74.1 111.1

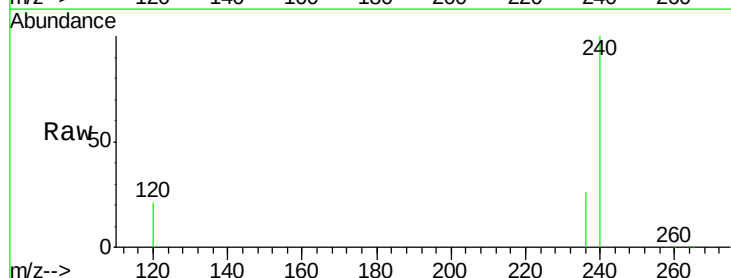


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

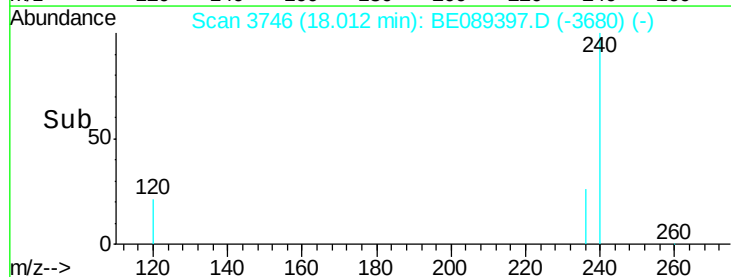
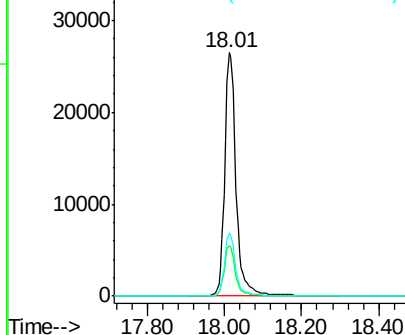


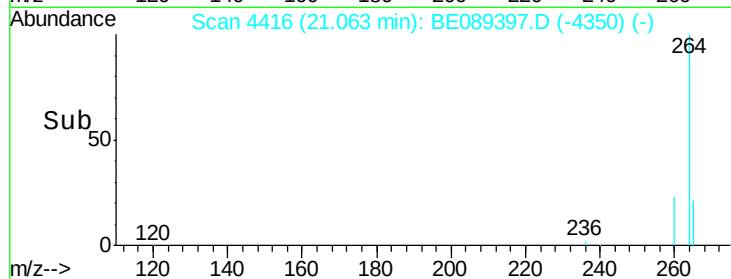
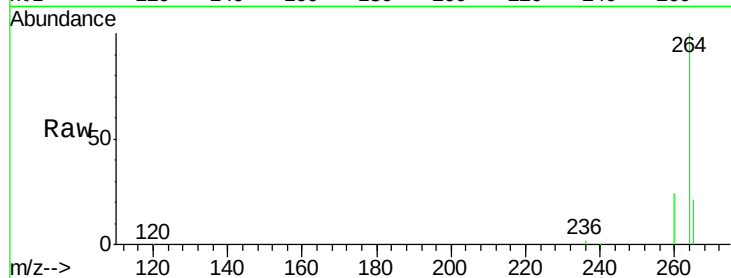
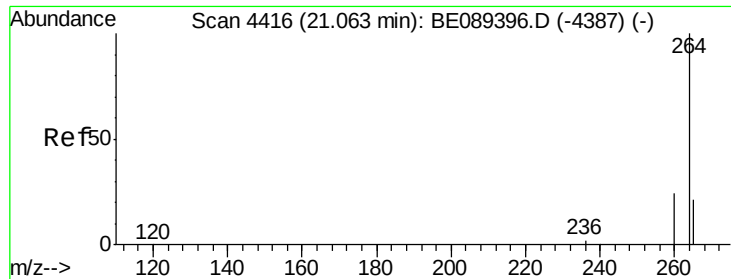
#22  
 Chrysene-d12  
 Concen: 5.00 ng  
 RT: 18.01 min Scan# 3746  
 Delta R.T. 0.00 min  
 Lab File: BE089397.D  
 Acq: 10 Jan 2015 1:44

Tgt Ion: 240 Resp: 53430  
 Ion Ratio Lower Upper  
 240 100  
 120 20.9 17.0 25.4  
 236 25.7 20.8 31.2



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





#23

Perylene-d12

Concen: 5.00 ng

RT: 21.06 min Scan# 4416

Delta R.T. 0.00 min

Lab File: BE089397.D

Acq: 10 Jan 2015 1:44

Instrument :

BNA\_E

LabSampleId :

SSTDICC0.1

Tgt Ion: 264 Resp: 46909

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.6

265 21.3 17.3 25.9

