

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE120814\  
 Data File : BE089178.D  
 Acq On : 8 Dec 2014 22:21  
 Operator : TP/JJ  
 Sample : SSTDICC0.2  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 LabSampleId :  
 SSTDICC0.2

Quant Time: Dec 09 03:48:46 2014  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SIM-ACID-BE120814.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 09 03:43:23 2014  
 Response via : Initial Calibration

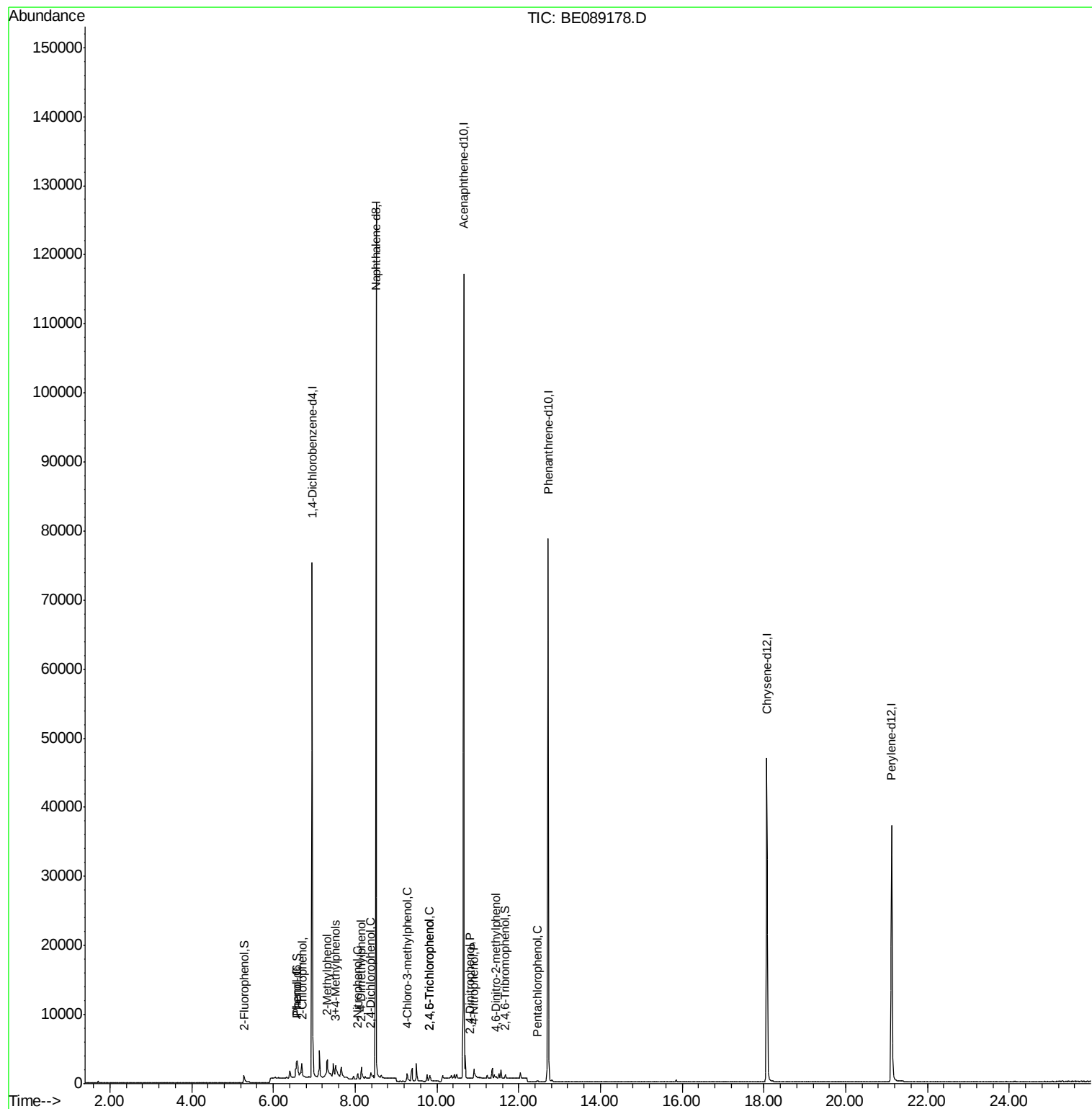
| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.95  | 152  | 28928    | 5.00 | ng    | 0.00     |
| 8) Naphthalene-d8              | 8.51  | 136  | 111610   | 5.00 | ng    | 0.00     |
| 13) Acenaphthene-d10           | 10.66 | 164  | 54223    | 5.00 | ng    | 0.00     |
| 19) Phenanthrene-d10           | 12.72 | 188  | 81680    | 5.00 | ng    | 0.00     |
| 22) Chrysene-d12               | 18.07 | 240  | 58342    | 5.00 | ng    | 0.00     |
| 23) Perylene-d12               | 21.13 | 264  | 53160    | 5.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |      |       |          |
| 2) 2-Fluorophenol              | 5.28  | 112  | 1459     | 0.19 | ng    | 0.00     |
| 3) Phenol-d6                   | 6.57  | 99   | 2106     | 0.22 | ng    | 0.01     |
| 14) 2,4,6-Tribromophenol       | 11.67 | 330  | 376      | 0.33 | ng    | 0.00     |
| Target Compounds               |       |      |          |      |       | Qvalue   |
| 4) 2-Chlorophenol              | 6.70  | 128  | 1780     | 0.25 | ng    | 89       |
| 5) Phenol                      | 6.58  | 94   | 2534     | 0.24 | ng    | 96       |
| 6) 2-Methylphenol              | 7.32  | 107  | 2088     | 0.11 | ng    | # 87     |
| 7) 3+4-Methylphenols           | 7.53  | 107  | 1651     | 0.07 | ng    | 92       |
| 9) 2-Nitrophenol               | 8.06  | 139  | 787      | 0.46 | ng    | # 62     |
| 10) 2,4-Dimethylphenol         | 8.15  | 122  | 1504     | 0.25 | ng    | 88       |
| 11) 2,4-Dichlorophenol         | 8.38  | 162  | 1404     | 0.32 | ng    | 91       |
| 12) 4-Chloro-3-methylphenol    | 9.27  | 107  | 1382     | 0.23 | ng    | # 94     |
| 15) 2,4,6-Trichlorophenol      | 9.82  | 196  | 857      | 0.32 | ng    | 93       |
| 16) 2,4,5-Trichlorophenol      | 9.82  | 196  | 873      | 0.29 | ng    | 87       |
| 17) 2,4-Dinitrophenol          | 10.81 | 184  | 96       | 0.16 | ng    | # 46     |
| 18) 4-Nitrophenol              | 10.91 | 139  | 1858     | 0.66 | ng    | 92       |
| 20) 4,6-Dinitro-2-methylphenol | 11.45 | 198  | 180      | 0.38 | ng    | # 1      |
| 21) Pentachlorophenol          | 12.45 | 266  | 133      | 0.44 | ng    | # 84     |

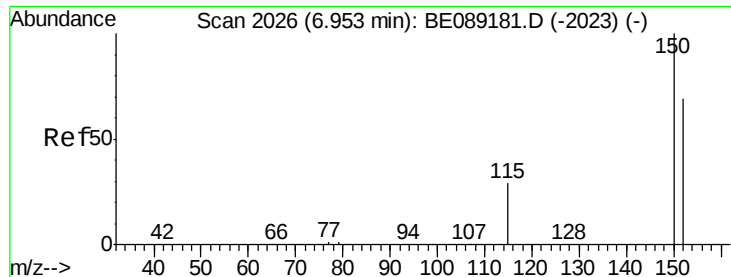
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE120814\  
Data File : BE089178.D  
Acq On : 8 Dec 2014 22:21  
Operator : TP/JJ  
Sample : SSTDICC0.2  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_E  
LabSampleId :  
SSTDICC0.2

Quant Time: Dec 09 03:48:46 2014  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SIM-ACID-BE120814.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 09 03:43:23 2014  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.95 min Scan# 2026

Delta R.T. -0.00 min

Lab File: BE089178.D

Acq: 8 Dec 2014 22:21

Instrument :

BNA\_E

LabSampleId :

SSTDIC0.2

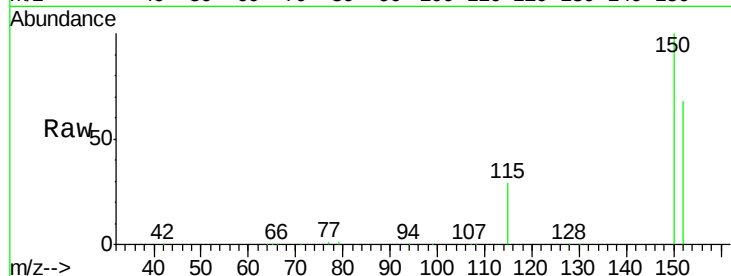
Tgt Ion:152 Resp: 28928

Ion Ratio Lower Upper

152 100

150 148.0 115.4 173.2

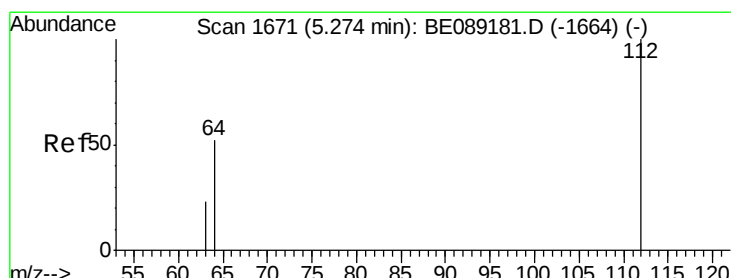
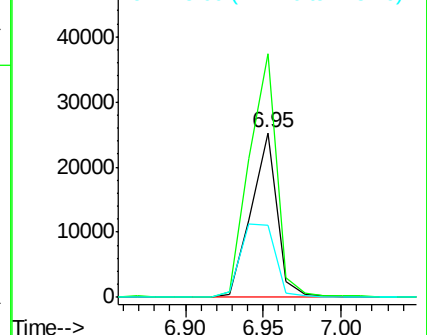
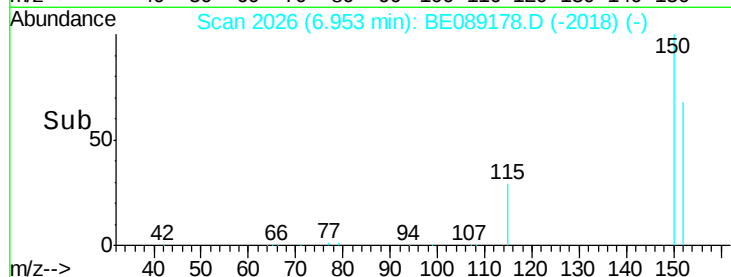
115 43.6 33.3 49.9



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



#2

2-Fluorophenol

Concen: 0.19 ng

RT: 5.28 min Scan# 1674

Delta R.T. 0.01 min

Lab File: BE089178.D

Acq: 8 Dec 2014 22:21

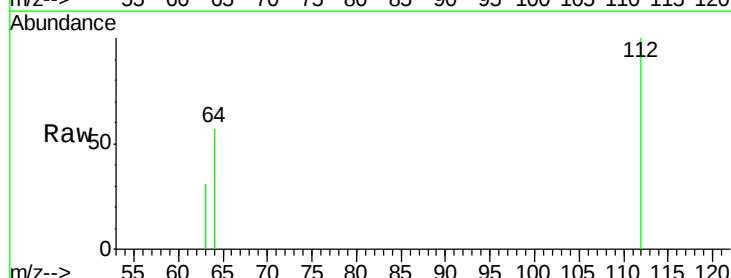
Tgt Ion:112 Resp: 1459

Ion Ratio Lower Upper

112 100

64 56.7 42.3 63.5

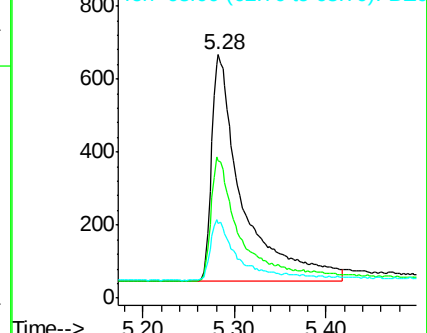
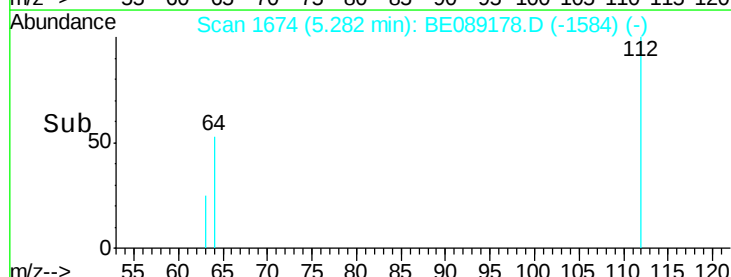
63 30.9 20.0 30.0#

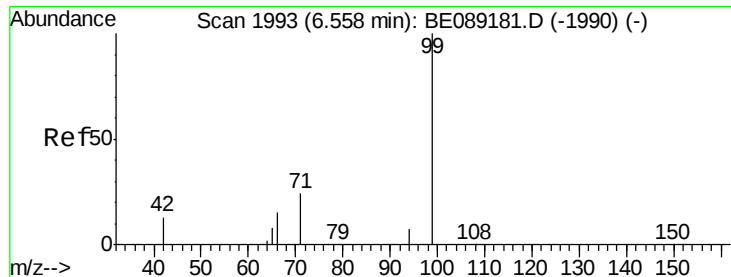


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#3

Phenol-d6

Concen: 0.22 ng

RT: 6.57 min Scan# 1994

Delta R.T. 0.01 min

Lab File: BE089178.D

Acq: 8 Dec 2014 22:21

Instrument :

BNA\_E

LabSampleId :

SSTDIC0.2

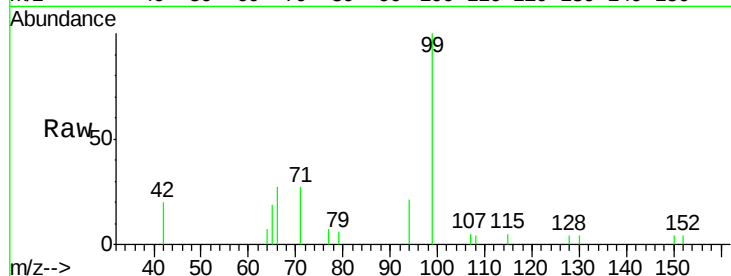
Tgt Ion: 99 Resp: 2106

Ion Ratio Lower Upper

99 100

42 20.2 11.2 16.8#

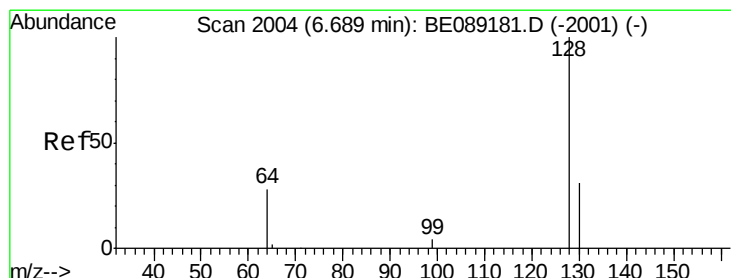
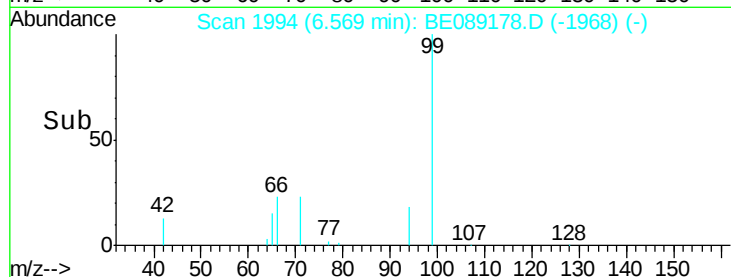
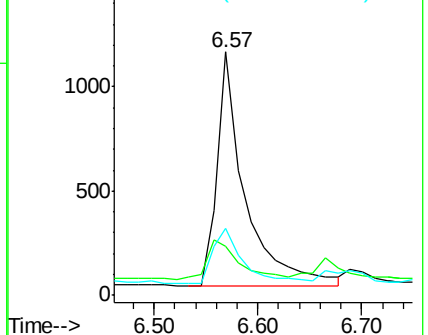
71 27.4 19.3 28.9



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: 0.25 ng

RT: 6.70 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BE089178.D

Acq: 8 Dec 2014 22:21

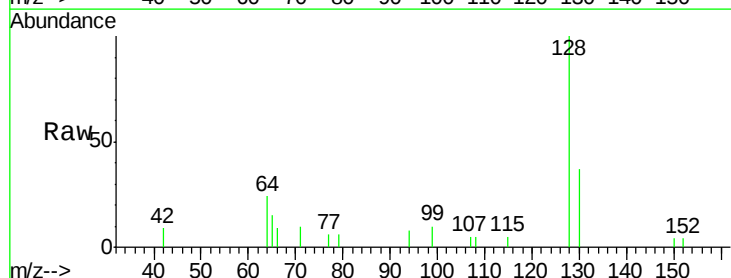
Tgt Ion: 128 Resp: 1780

Ion Ratio Lower Upper

128 100

130 36.6 11.2 51.2

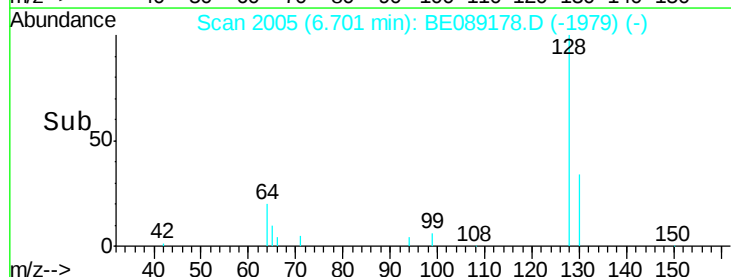
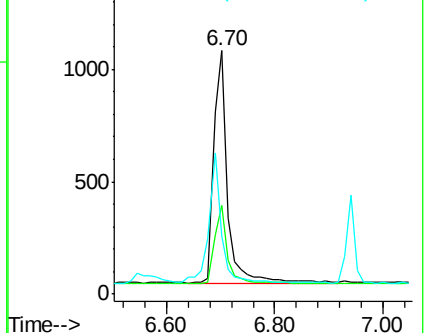
64 23.7 10.6 50.6

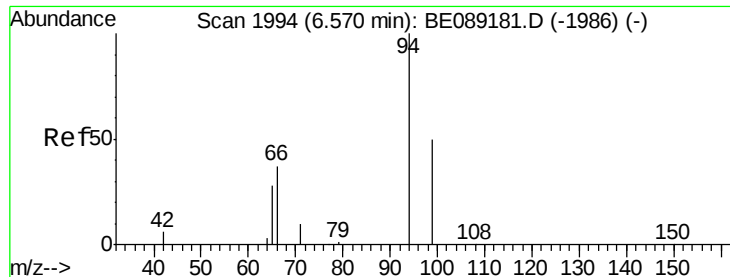


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BE0





#5

Phenol

Concen: 0.24 ng

RT: 6.58 min Scan# 1995

Delta R.T. 0.01 min

Lab File: BE089178.D

Acq: 8 Dec 2014 22:21

Instrument :

BNA\_E

LabSampleId :

SSTDICC0.2

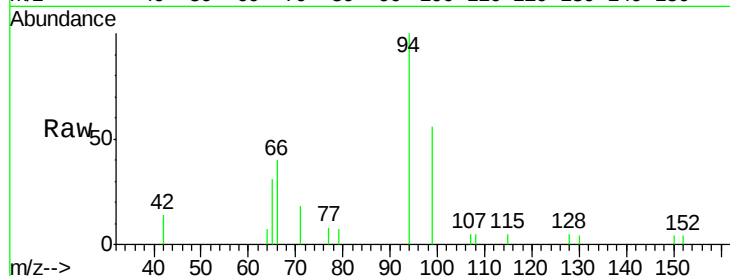
Tgt Ion: 94 Resp: 2534

Ion Ratio Lower Upper

94 100

65 30.8 9.0 49.0

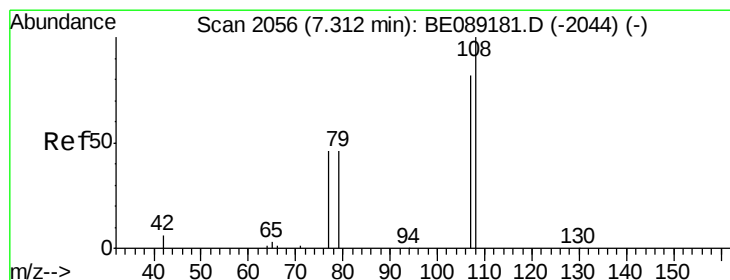
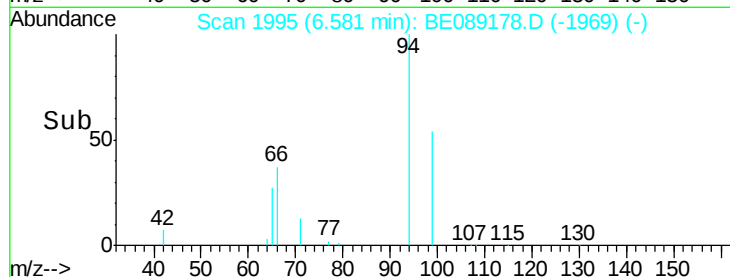
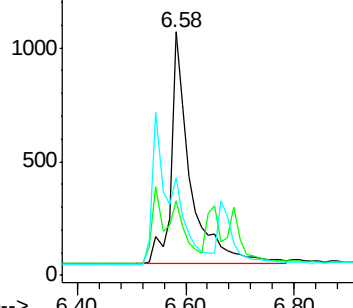
66 40.1 17.7 57.7



Abundance Ion 94.00 (93.70 to 94.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

Ion 66.00 (65.70 to 66.70): BE0



#6

2-Methylphenol

Concen: 0.11 ng

RT: 7.32 min Scan# 2057

Delta R.T. 0.01 min

Lab File: BE089178.D

Acq: 8 Dec 2014 22:21

Tgt Ion: 107 Resp: 2088

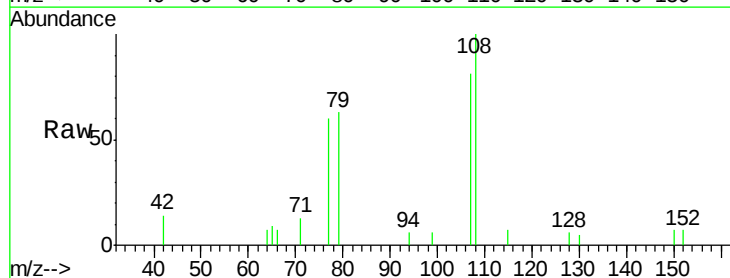
Ion Ratio Lower Upper

107 100

108 123.4 97.6 146.4

77 74.2 45.8 68.6#

79 78.2 46.1 69.1#

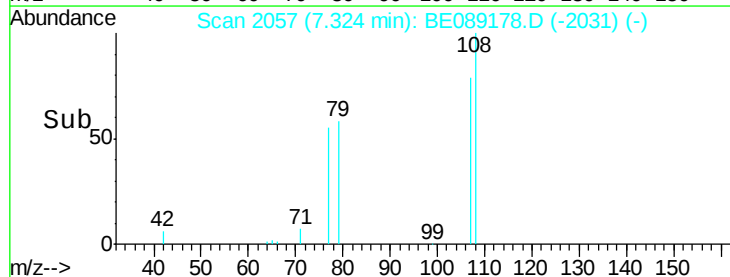
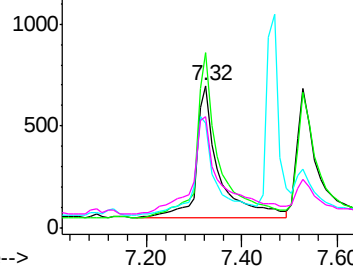


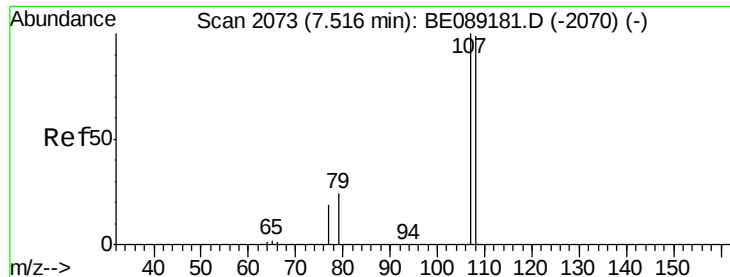
Abundance Ion 107.00 (106.70 to 107.70): E

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





#7

3+4-Methylphenols

Concen: 0.07 ng

RT: 7.53 min Scan# 2074

Delta R.T. 0.01 min

Lab File: BE089178.D

Acq: 8 Dec 2014 22:21

Instrument :

BNA\_E

LabSampleId :

SSTDIC0.2

Tgt Ion:107 Resp: 1651

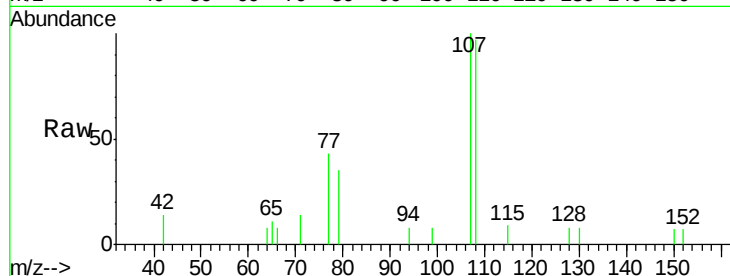
Ion Ratio Lower Upper

107 100

108 97.1 80.4 120.4

77 42.6 12.4 52.4

79 35.4 8.3 48.3

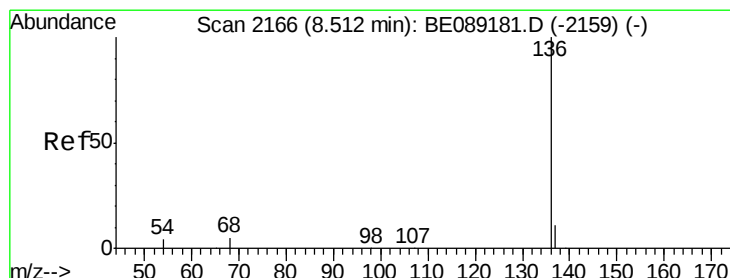
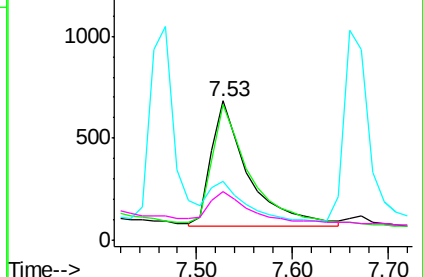
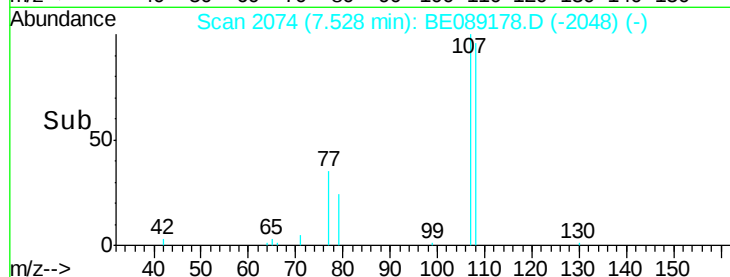


Abundance Ion 107.00 (106.70 to 107.70): E

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: 8.51 min Scan# 2166

Delta R.T. -0.00 min

Lab File: BE089178.D

Acq: 8 Dec 2014 22:21

Tgt Ion:136 Resp: 111610

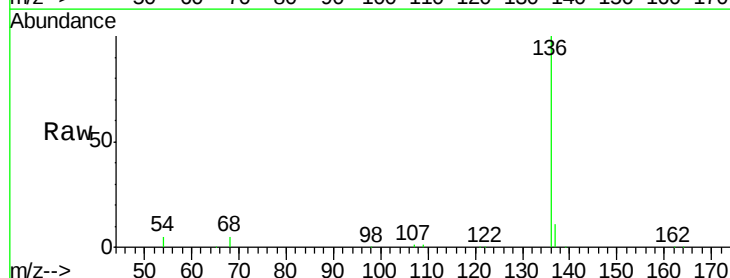
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 5.0 3.4 5.2

68 5.2 3.8 5.6

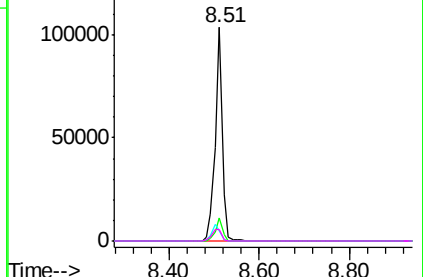
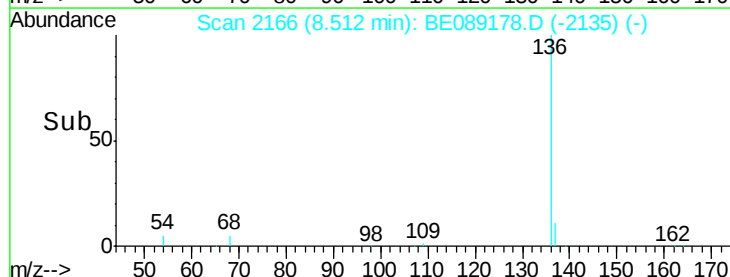


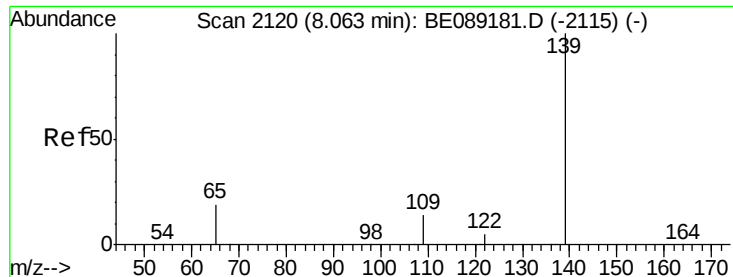
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.46 ng

RT: 8.06 min Scan# 2120

Delta R.T. -0.00 min

Lab File: BE089178.D

Acq: 8 Dec 2014 22:21

Instrument :

BNA\_E

LabSampleId :

SSTDIC0.2

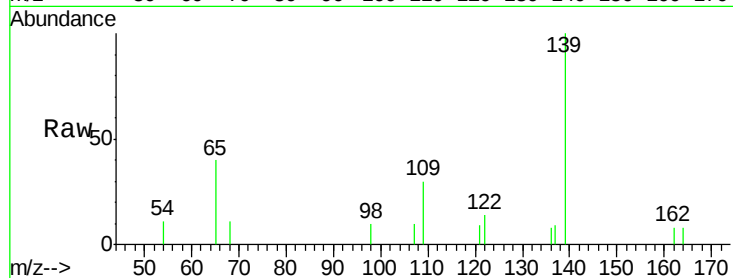
Tgt Ion:139 Resp: 787

Ion Ratio Lower Upper

139 100

109 30.0 13.0 19.4#

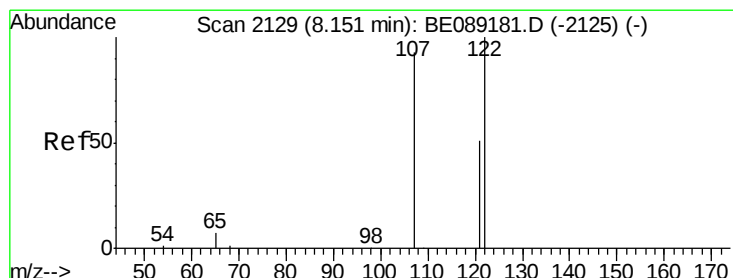
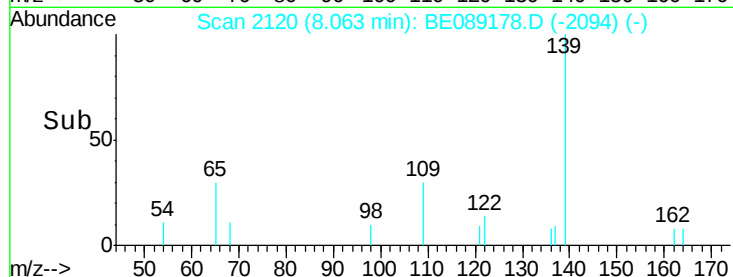
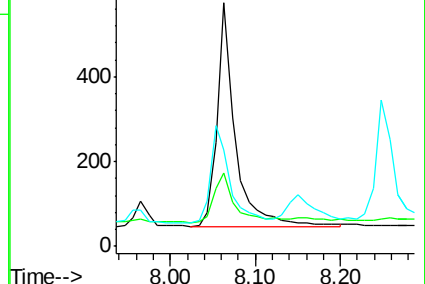
65 39.9 16.4 24.6#



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): E



#10

2,4-Dimethylphenol

Concen: 0.25 ng

RT: 8.15 min Scan# 2129

Delta R.T. -0.00 min

Lab File: BE089178.D

Acq: 8 Dec 2014 22:21

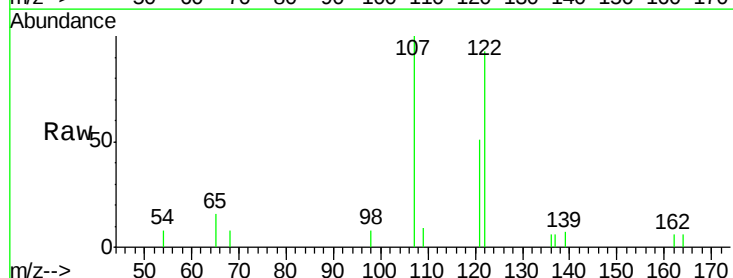
Tgt Ion:122 Resp: 1504

Ion Ratio Lower Upper

122 100

107 107.6 74.3 111.5

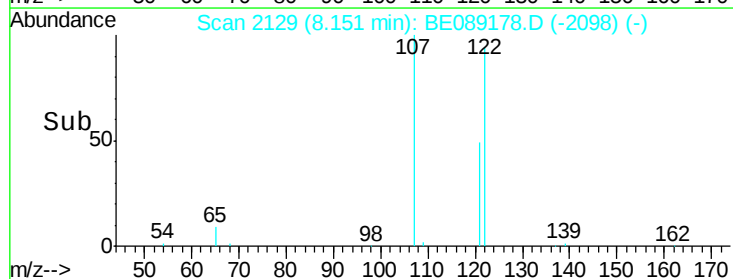
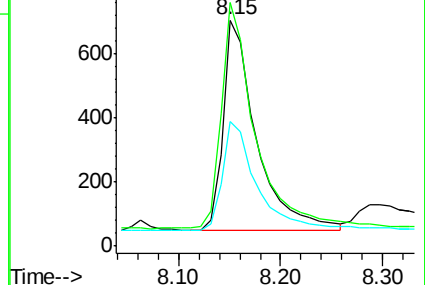
121 55.3 41.5 62.3

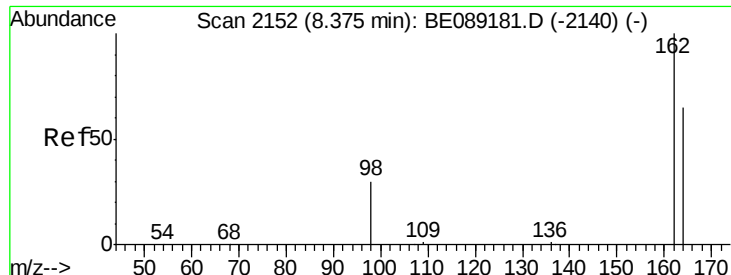


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

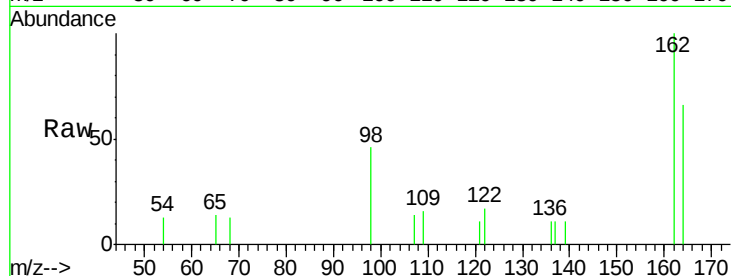




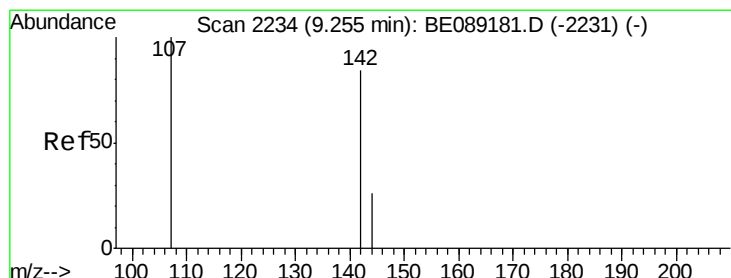
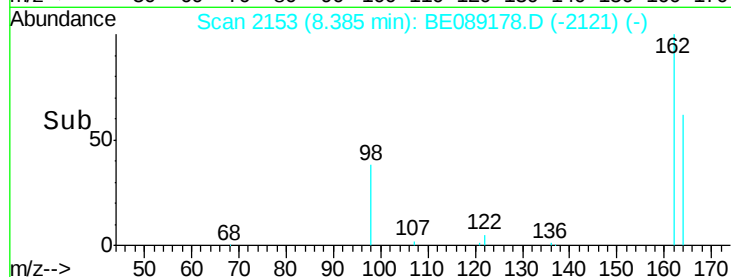
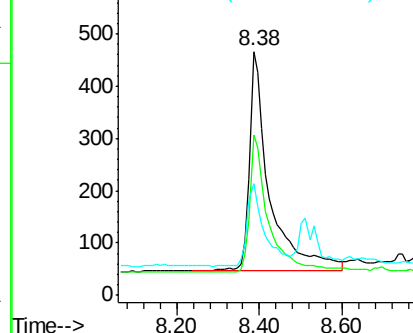
#11  
 2,4-Dichlorophenol  
 Concen: 0.32 ng  
 RT: 8.38 min Scan# 2153  
 Delta R.T. 0.01 min  
 Lab File: BE089178.D  
 Acq: 8 Dec 2014 22:21

Instrument :  
 BNA\_E  
 LabSampleId :  
 SSTDICC0.2

Tgt Ion:162 Resp: 1404  
 Ion Ratio Lower Upper  
 162 100  
 164 65.7 45.3 85.3  
 98 45.9 10.9 50.9

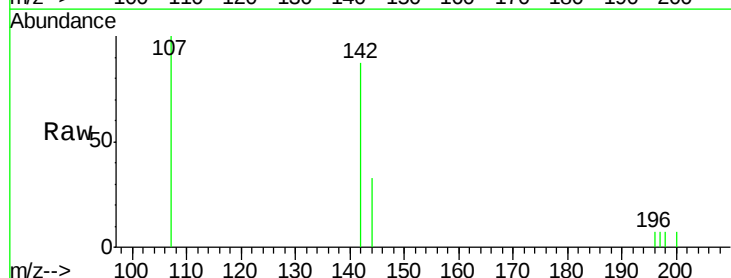


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BE0

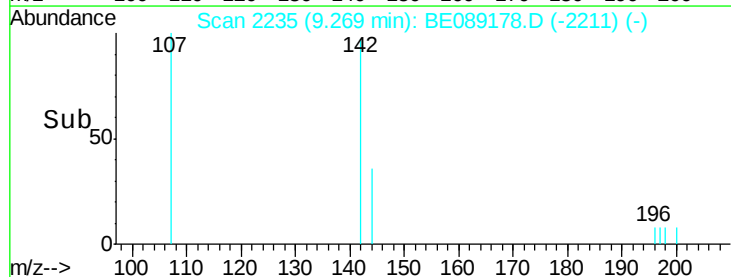
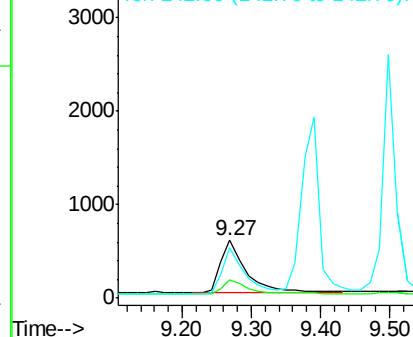


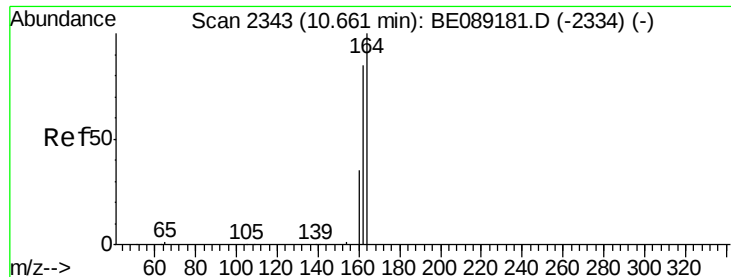
#12  
 4-Chloro-3-methylphenol  
 Concen: 0.23 ng  
 RT: 9.27 min Scan# 2235  
 Delta R.T. 0.01 min  
 Lab File: BE089178.D  
 Acq: 8 Dec 2014 22:21

Tgt Ion:107 Resp: 1382  
 Ion Ratio Lower Upper  
 107 100  
 144 32.5 21.3 31.9#  
 142 87.0 66.7 100.1



Abundance Ion 107.00 (106.70 to 107.70): E  
 Ion 144.00 (143.70 to 144.70): E  
 Ion 142.00 (141.70 to 142.70): E

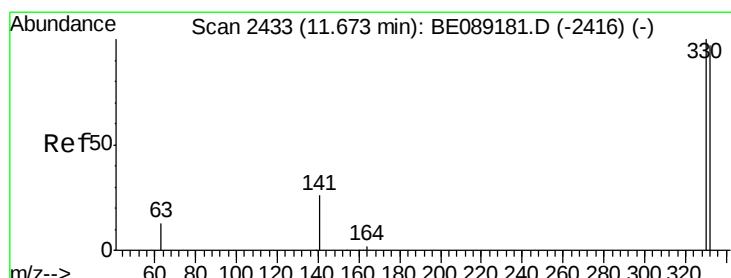
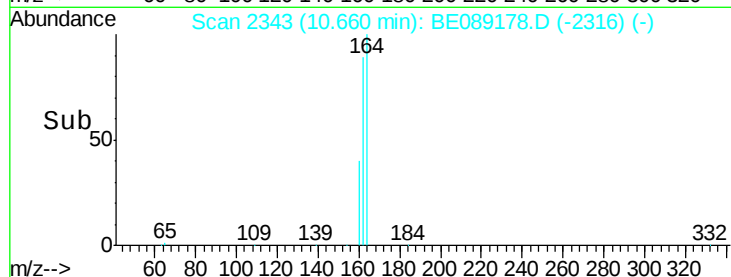
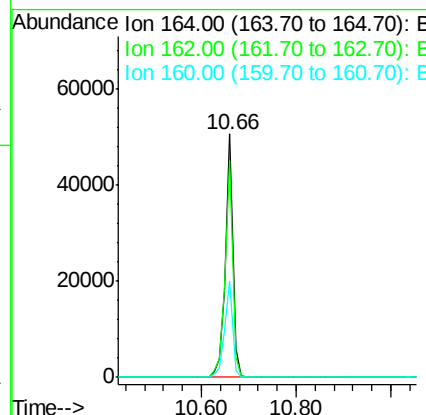
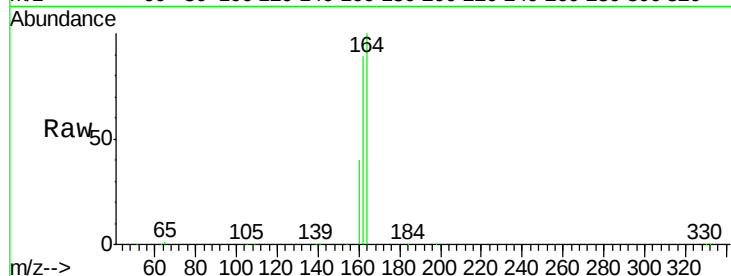




#13  
Acenaphthene-d10  
Concen: 5.00 ng  
RT: 10.66 min Scan# 2343  
Delta R.T. -0.00 min  
Lab File: BE089178.D  
Acq: 8 Dec 2014 22:21

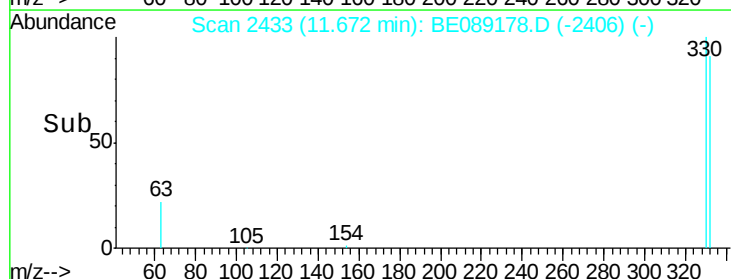
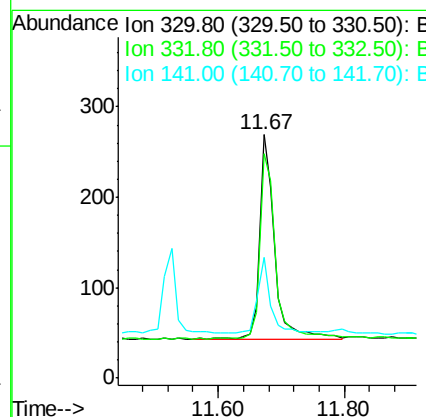
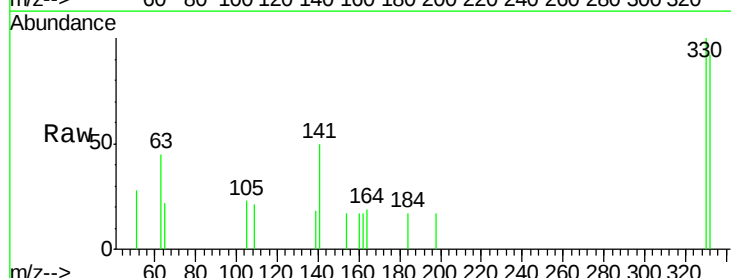
Instrument :  
BNA\_E  
LabSampleId :  
SSTDIC0.2

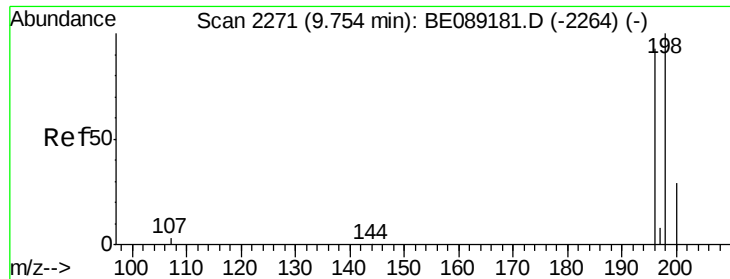
Tgt Ion:164 Resp: 54223  
Ion Ratio Lower Upper  
164 100  
162 89.0 68.0 102.0  
160 39.6 28.2 42.2



#14  
2,4,6-Tribromophenol  
Concen: 0.33 ng  
RT: 11.67 min Scan# 2433  
Delta R.T. -0.00 min  
Lab File: BE089178.D  
Acq: 8 Dec 2014 22:21

Tgt Ion:330 Resp: 376  
Ion Ratio Lower Upper  
330 100  
332 98.4 76.8 115.2  
141 31.6 28.4 42.6

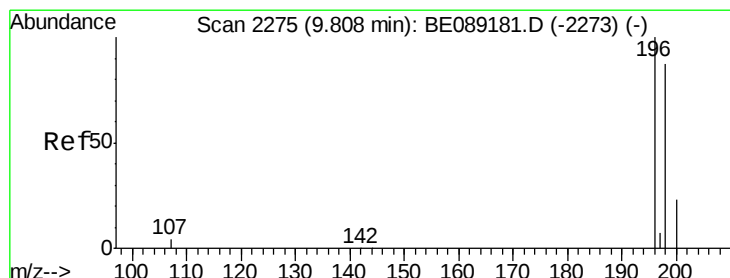
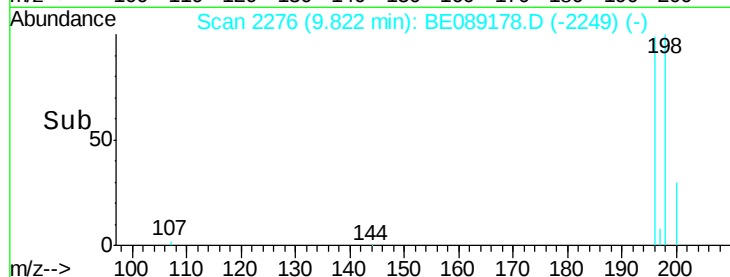
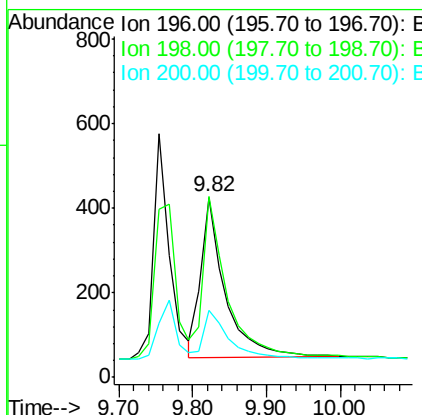
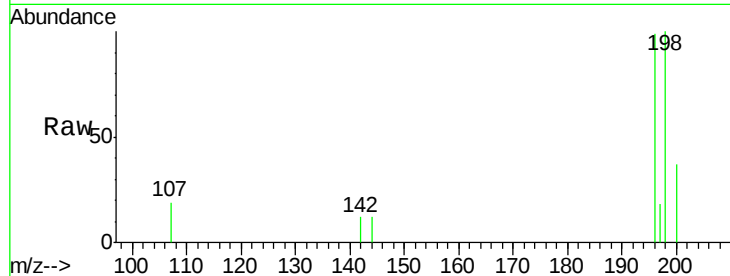




#15  
 2,4,6-Trichlorophenol  
 Concen: 0.32 ng  
 RT: 9.82 min Scan# 2276  
 Delta R.T. 0.07 min  
 Lab File: BE089178.D  
 Acq: 8 Dec 2014 22:21

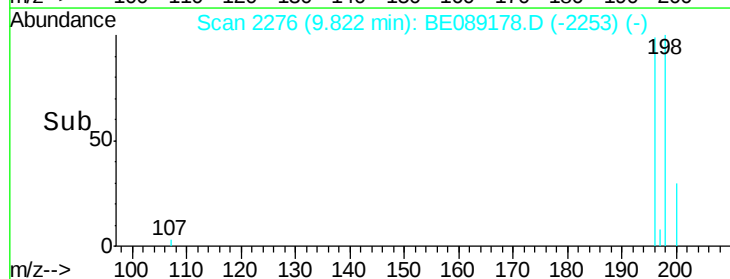
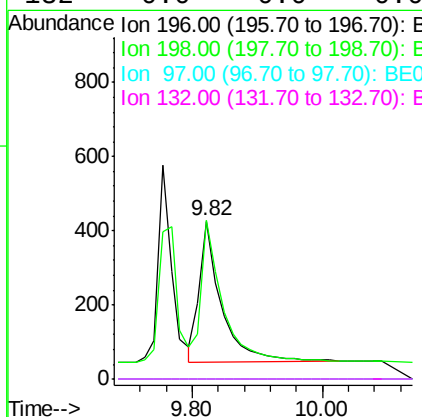
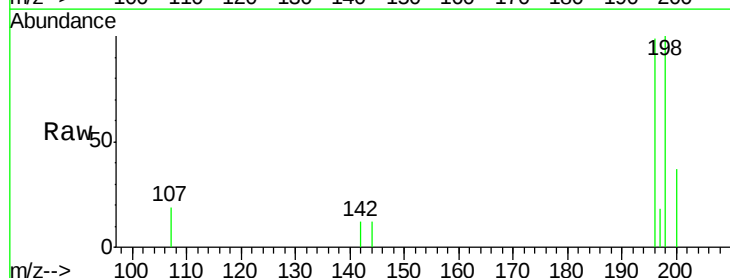
Instrument :  
 BNA\_E  
 LabSampleId :  
 SSTDICC0.2

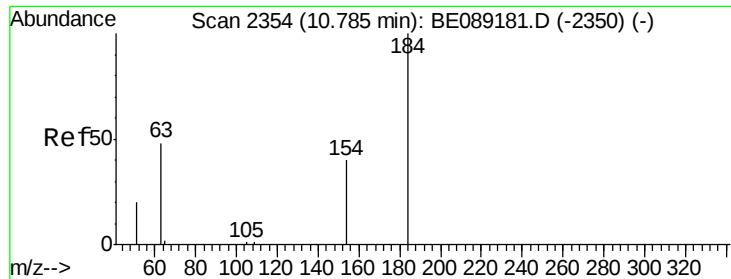
Tgt Ion:196 Resp: 857  
 Ion Ratio Lower Upper  
 196 100  
 198 100.7 85.6 128.4  
 200 37.6 25.4 38.2



#16  
 2,4,5-Trichlorophenol  
 Concen: 0.29 ng  
 RT: 9.82 min Scan# 2276  
 Delta R.T. 0.01 min  
 Lab File: BE089178.D  
 Acq: 8 Dec 2014 22:21

Tgt Ion:196 Resp: 873  
 Ion Ratio Lower Upper  
 196 100  
 198 100.7 70.8 106.2  
 97 0.0 0.0 0.0  
 132 0.0 0.0 0.0

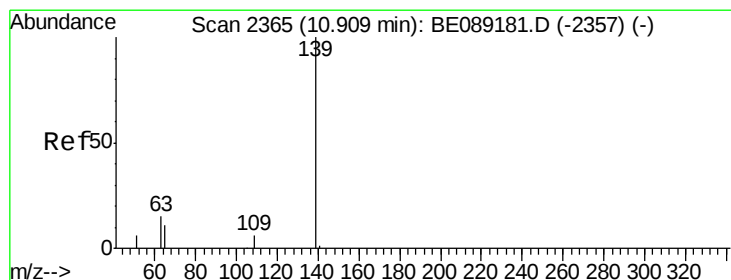
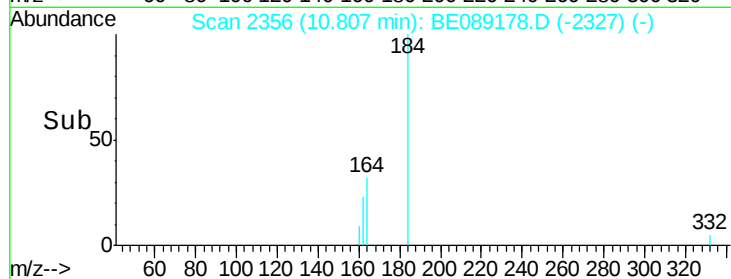
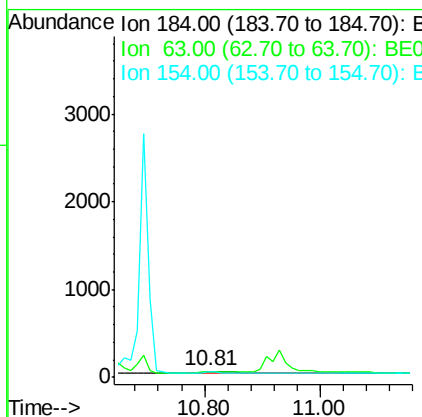
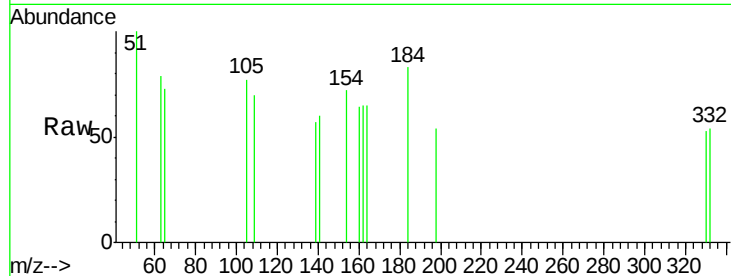




#17  
 2,4-Dinitrophenol  
 Concen: 0.16 ng  
 RT: 10.81 min Scan# 2356  
 Delta R.T. 0.02 min  
 Lab File: BE089178.D  
 Acq: 8 Dec 2014 22:21

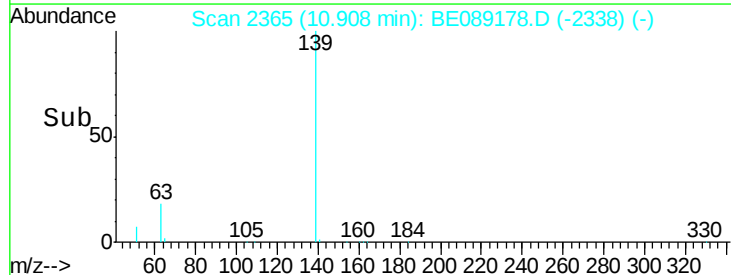
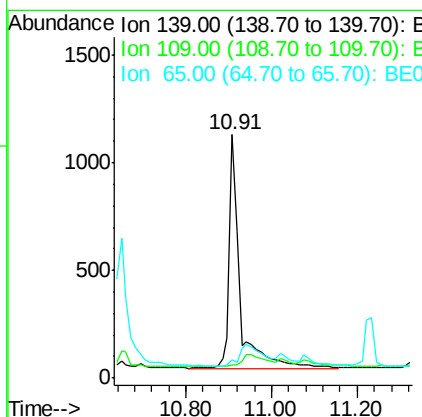
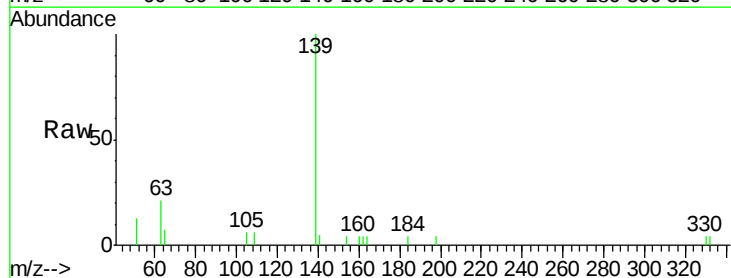
Instrument :  
 BNA\_E  
 LabSampleId :  
 SSTDICC0.2

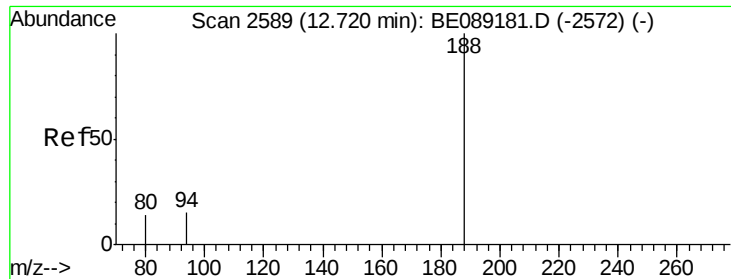
Tgt Ion:184 Resp: 96  
 Ion Ratio Lower Upper  
 184 100  
 63 95.5 45.2 67.8#  
 154 86.6 39.5 59.3#



#18  
 4-Nitrophenol  
 Concen: 0.66 ng  
 RT: 10.91 min Scan# 2365  
 Delta R.T. -0.00 min  
 Lab File: BE089178.D  
 Acq: 8 Dec 2014 22:21

Tgt Ion:139 Resp: 1858  
 Ion Ratio Lower Upper  
 139 100  
 109 5.7 0.0 26.6  
 65 7.3 0.0 31.7





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.72 min Scan# 2589

Delta R.T. -0.00 min

Lab File: BE089178.D

Acq: 8 Dec 2014 22:21

Instrument :

BNA\_E

LabSampleId :

SSTDIC0.2

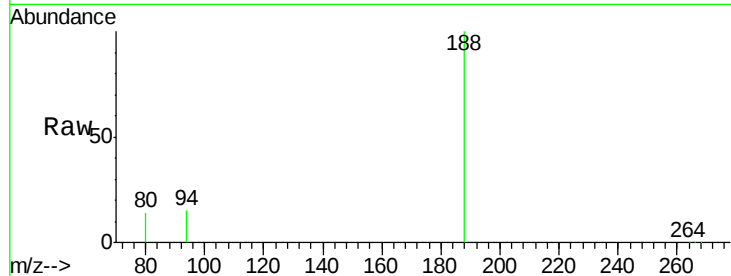
Tgt Ion:188 Resp: 81680

Ion Ratio Lower Upper

188 100

94 15.0 11.7 17.5

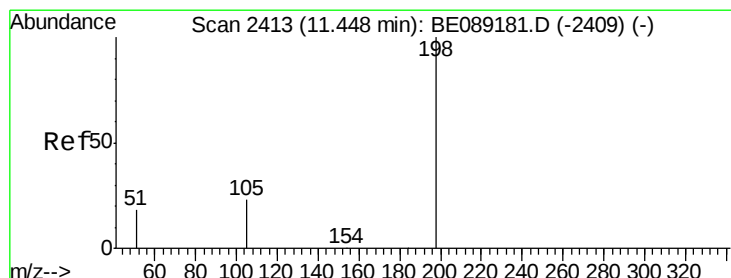
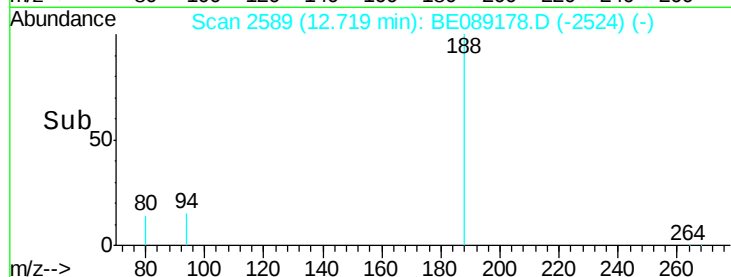
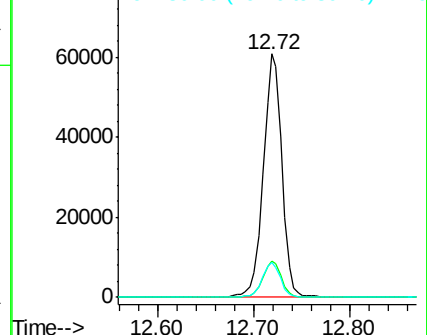
80 14.3 11.0 16.4



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: 0.38 ng

RT: 11.45 min Scan# 2413

Delta R.T. -0.00 min

Lab File: BE089178.D

Acq: 8 Dec 2014 22:21

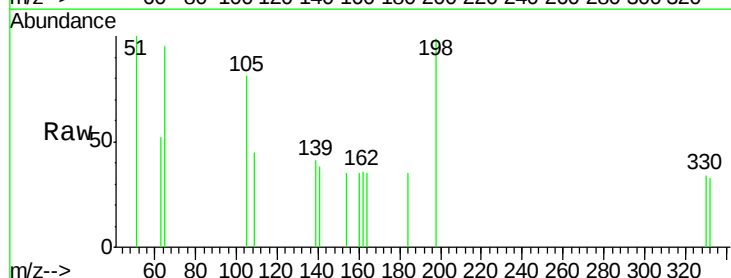
Tgt Ion:198 Resp: 180

Ion Ratio Lower Upper

198 100

51 100.8 10.8 50.8#

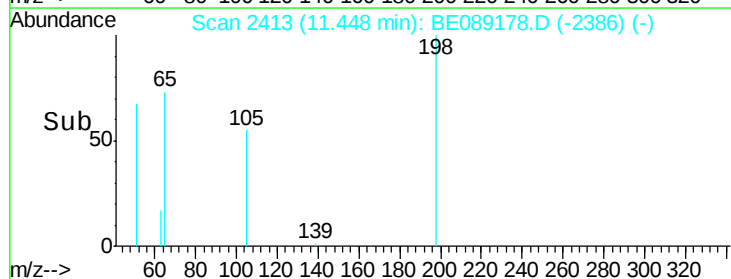
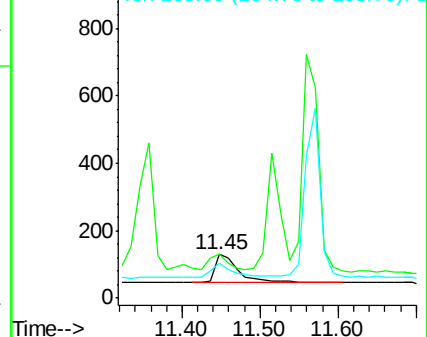
105 81.4 10.4 50.4#

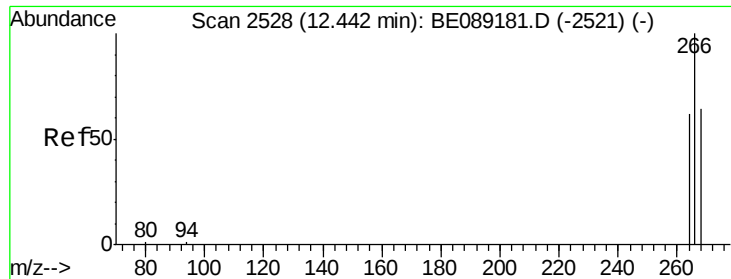


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BE0

Ion 105.00 (104.70 to 105.70): E

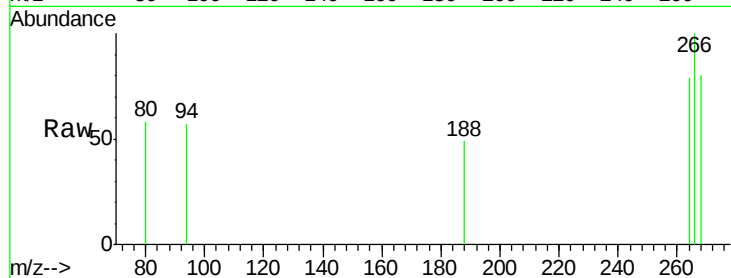




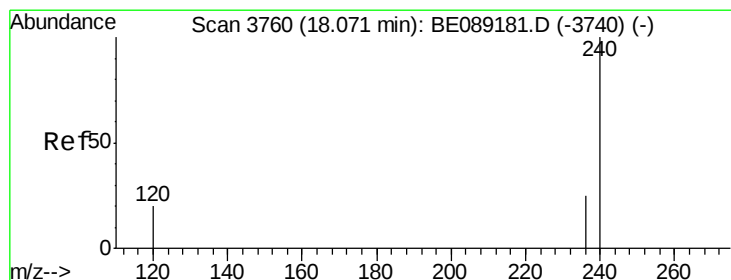
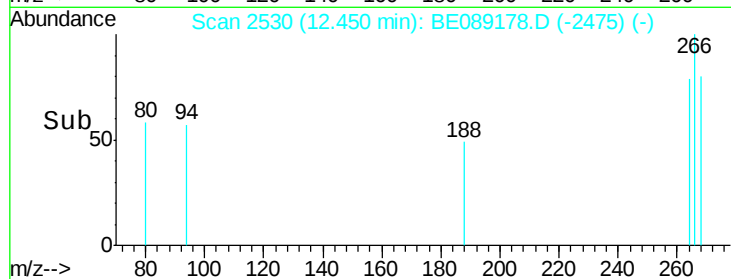
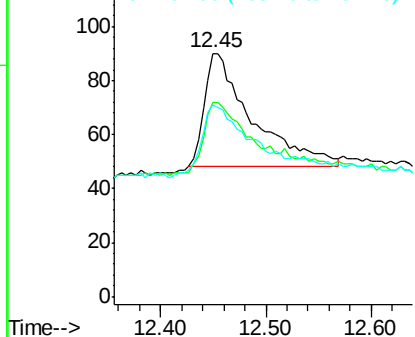
#21  
 Pentachlorophenol  
 Concen: 0.44 ng  
 RT: 12.45 min Scan# 2530  
 Delta R.T. 0.01 min  
 Lab File: BE089178.D  
 Acq: 8 Dec 2014 22:21

Instrument :  
 BNA\_E  
 LabSampleId :  
 SSTDICC0.2

Tgt Ion: 266 Resp: 133  
 Ion Ratio Lower Upper  
 266 100  
 268 80.0 53.9 80.9  
 264 78.9 52.6 78.8#

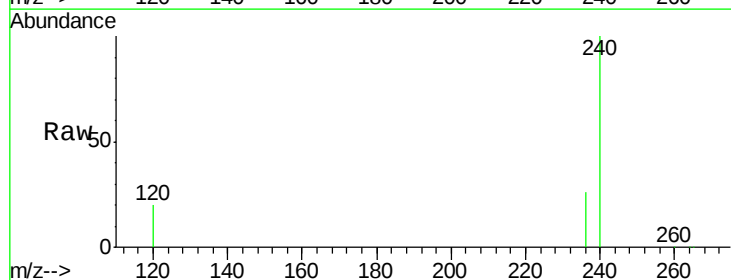


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

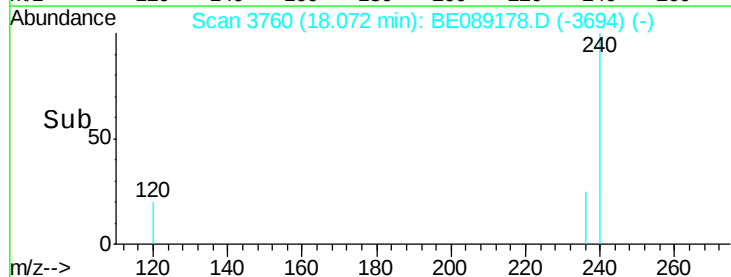
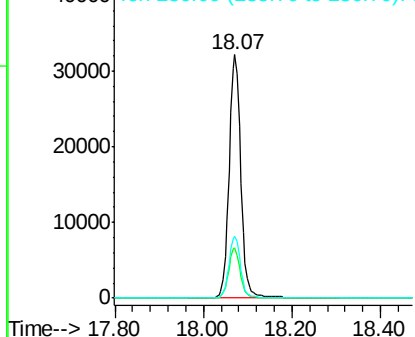


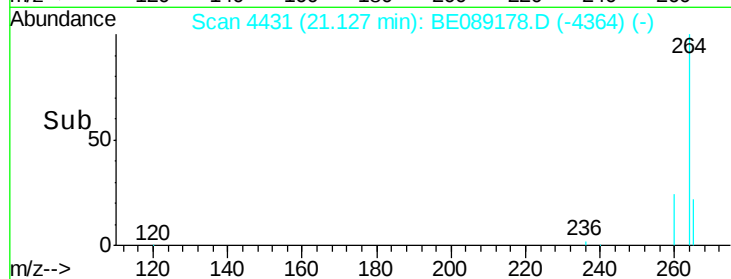
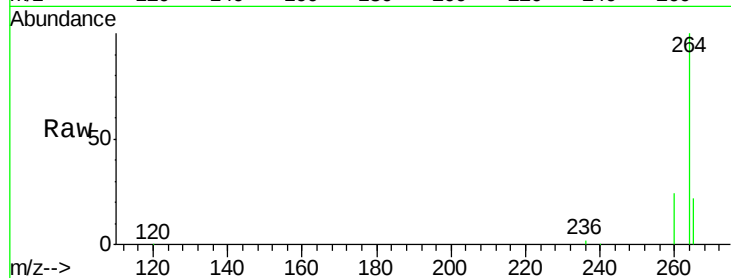
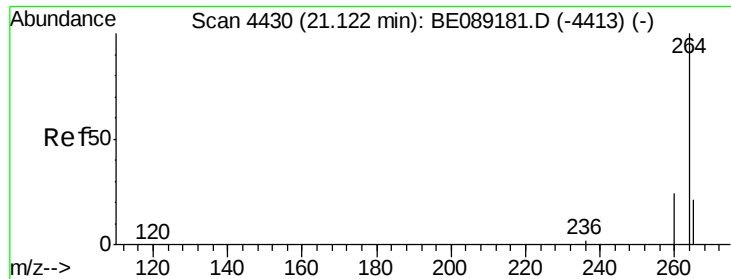
#22  
 Chrysene-d12  
 Concen: 5.00 ng  
 RT: 18.07 min Scan# 3760  
 Delta R.T. 0.00 min  
 Lab File: BE089178.D  
 Acq: 8 Dec 2014 22:21

Tgt Ion: 240 Resp: 58342  
 Ion Ratio Lower Upper  
 240 100  
 120 20.5 15.8 23.8  
 236 25.6 20.2 30.4



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





#23

Perylene-d12

Concen: 5.00 ng

RT: 21.13 min Scan# 4431

Delta R.T. 0.01 min

Lab File: BE089178.D

Acq: 8 Dec 2014 22:21

Instrument :

BNA\_E

LabSampleId :

SSTDIC0.2

Tgt Ion: 264 Resp: 53160

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.4

265 21.7 17.2 25.8

