

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102116\
 Data File : BF090741.D
 Acq On : 22 Oct 2016 5:34
 Operator : UM/SJ
 Sample : H5308-17
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-105D

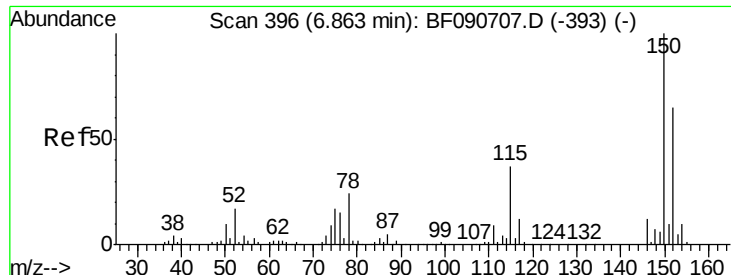
Quant Time: Oct 22 06:33:41 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 21 17:36:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	263604	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	1133992	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	536663	20.00	ng	-0.01
63) Phenanthrene-d10	11.38	188	831097	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	558919	20.00	ng	0.00
86) Perylene-d12	15.45	264	388780	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1089154	66.63	ng	0.01
7) Phenol-d6	6.49	99	804492	36.34	ng	-0.01
23) Nitrobenzene-d5	7.42	82	1198329	57.96	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	678691	159.78	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1763856	51.02	ng	-0.01
78) Terphenyl-d14	12.97	244	1658801	68.02	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.50	94	133444	5.36	ng	# 55
15) Benzyl Alcohol	7.01	79	37145	2.47	ng	# 43
17) 2-Methylphenol	7.11	107	156305	10.57	ng	# 85
20) 3+4-Methylphenols	7.26	107	263453	15.03	ng	# 82
22) Acetophenone	7.26	105	57183	2.26	ng	# 9
27) 2,4-Dimethylphenol	7.97	122	116168	7.15	ng	# 37
32) Benzoic acid	7.97	122	126523	16.86	ng	# 66
49) Dimethylphthalate	9.62	163	126191	3.74	ng	# 98
55) 4-Nitrophenol	9.96	139	6908	7.18	ng	# 63
56) 2,4-Dinitrotoluene	9.89	165	70087	7.91	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.69	198	1349	4.41	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	46928	5.82	ng	# 1

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 395

Delta R.T. -0.01 min

Lab File: BF090741.D

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Instrument :

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ClientSampleId :

MW-105D

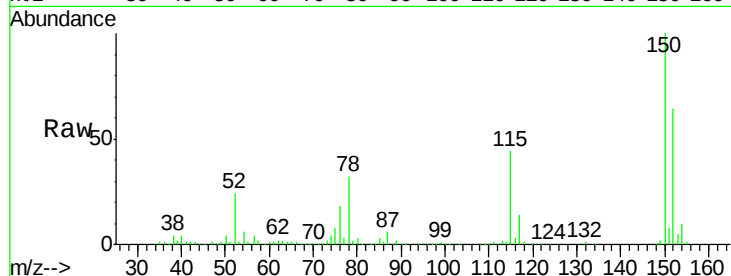
Tgt Ion:152 Resp: 263604

Ion Ratio Lower Upper

152 100

150 156.7 124.7 187.1

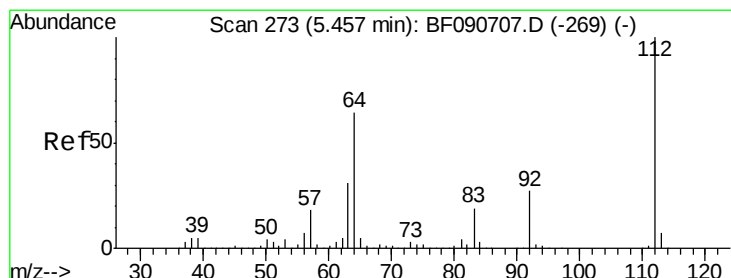
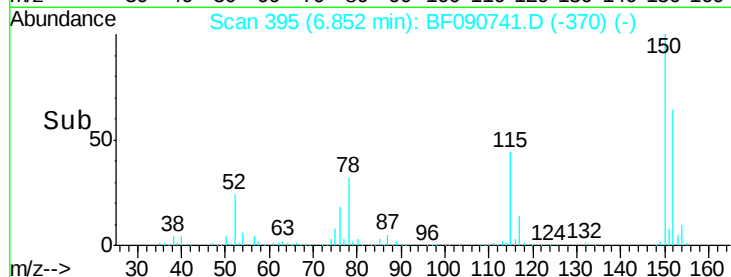
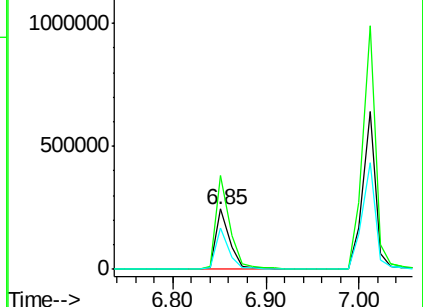
115 69.7 39.0 58.4#



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: 66.63 ng

RT: 5.47 min Scan# 274

Delta R.T. 0.01 min

Lab File: BF090741.D

Acq: 22 Oct 2016 5:34

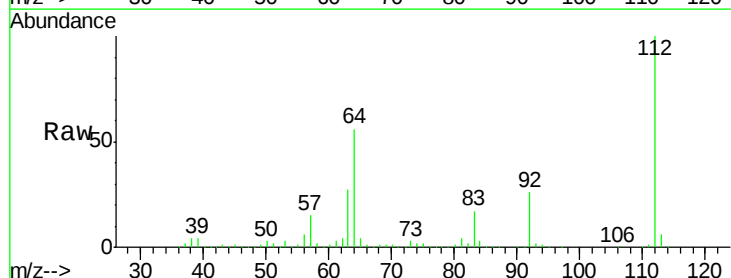
Tgt Ion:112 Resp: 1089154

Ion Ratio Lower Upper

112 100

64 56.1 39.7 59.5

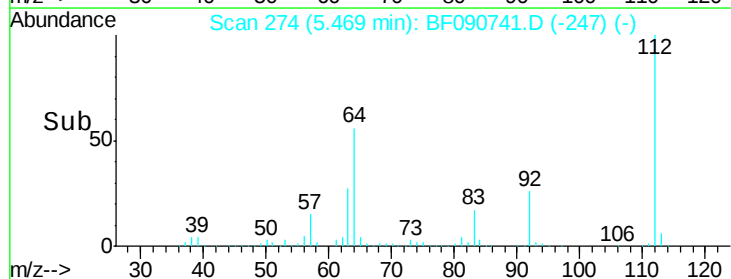
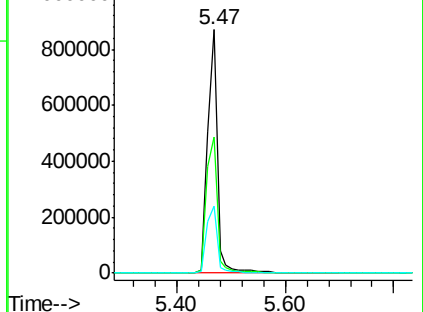
63 27.3 17.4 26.0#

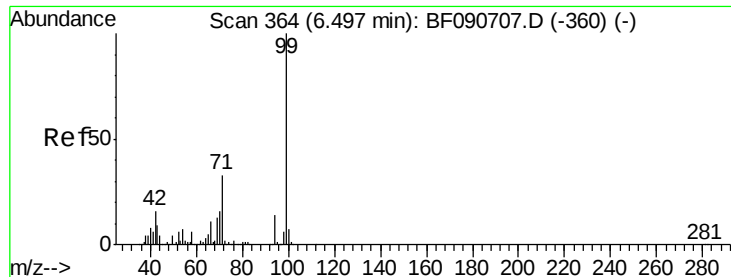


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.34 ng

RT: 6.49 min Scan# 363

Delta R.T. -0.01 min

Lab File: BF090741.D

Acq: 22 Oct 2016 5:34

Instrument :

BNA_F

ClientSampleId :

MW-105D

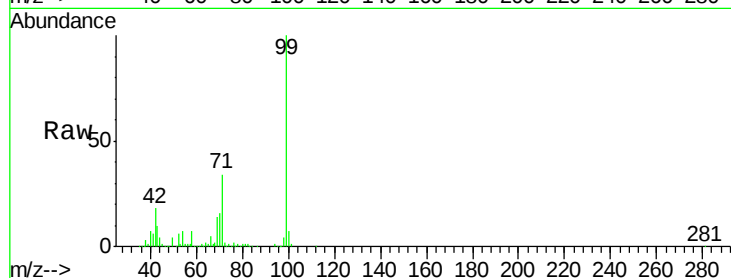
Tgt Ion: 99 Resp: 804492

Ion Ratio Lower Upper

99 100

42 17.6 13.7 20.5

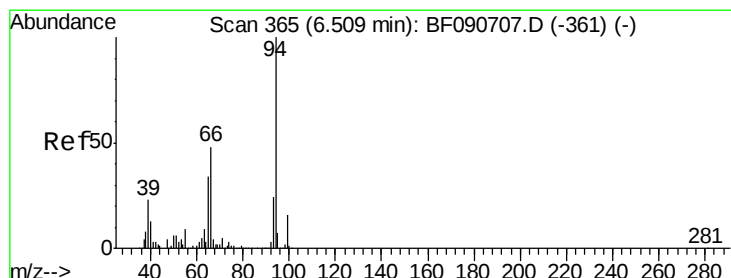
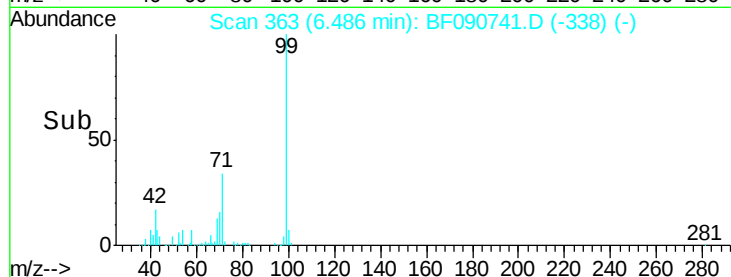
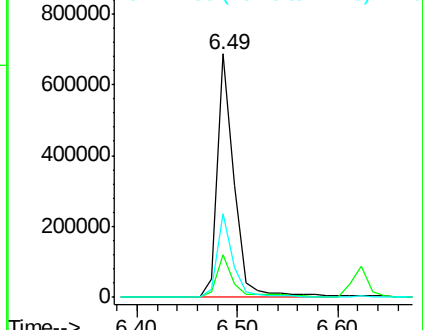
71 34.3 14.2 21.2#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 5.36 ng

RT: 6.50 min Scan# 364

Delta R.T. -0.01 min

Lab File: BF090741.D

Acq: 22 Oct 2016 5:34

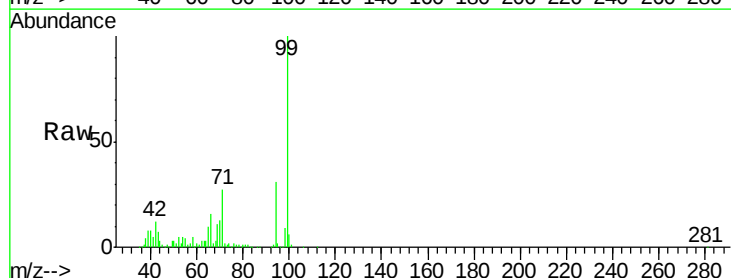
Tgt Ion: 94 Resp: 133444

Ion Ratio Lower Upper

94 100

65 33.0 0.7 40.7

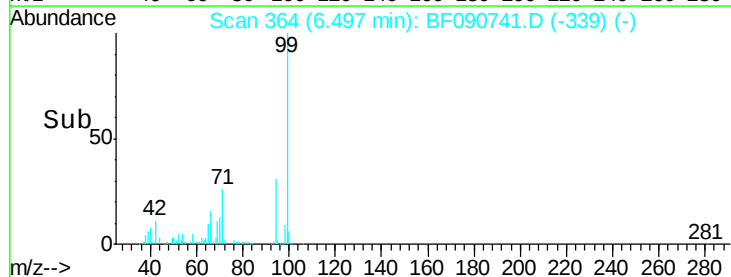
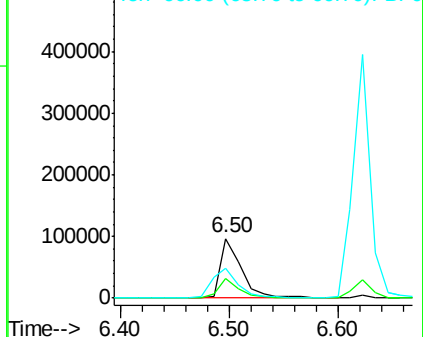
66 50.8 0.8 40.8#

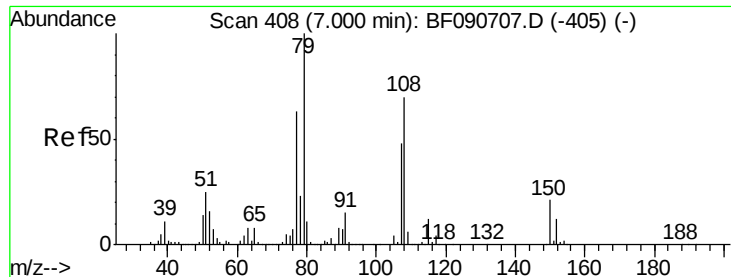


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.47 ng

RT: 7.01 min Scan# 409

Delta R.T. 0.01 min

Lab File: BF090741.D

Acq: 22 Oct 2016 5:34

Instrument :

BNA_F

ClientSampleId :

MW-105D

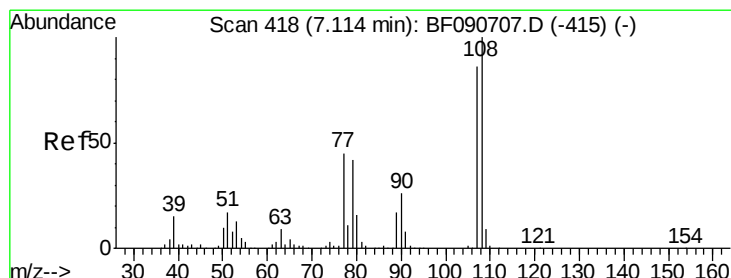
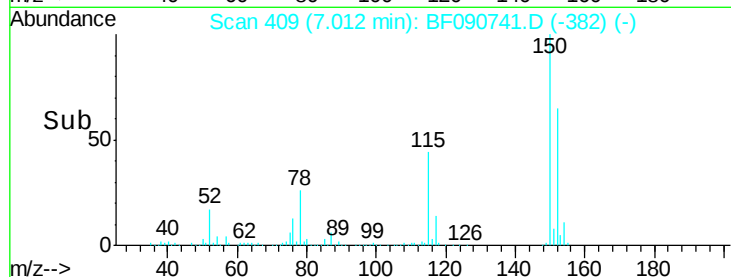
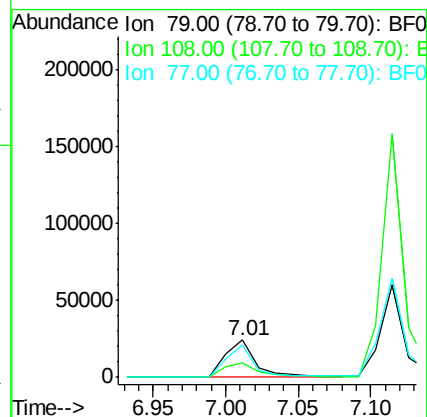
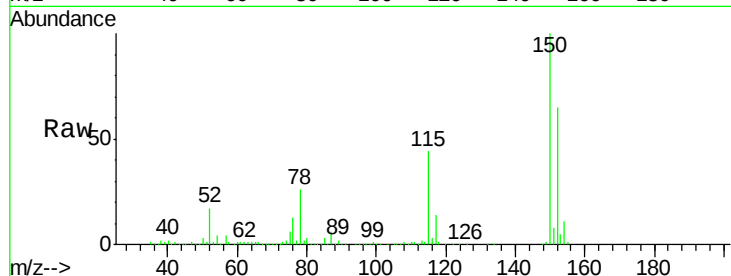
Tgt Ion: 79 Resp: 37145

Ion Ratio Lower Upper

79 100

108 40.1 88.6 132.8#

77 88.1 47.0 70.4#



#17

2-Methylphenol

Concen: 10.57 ng

RT: 7.11 min Scan# 418

Delta R.T. -0.00 min

Lab File: BF090741.D

Acq: 22 Oct 2016 5:34

Tgt Ion: 107 Resp: 156305

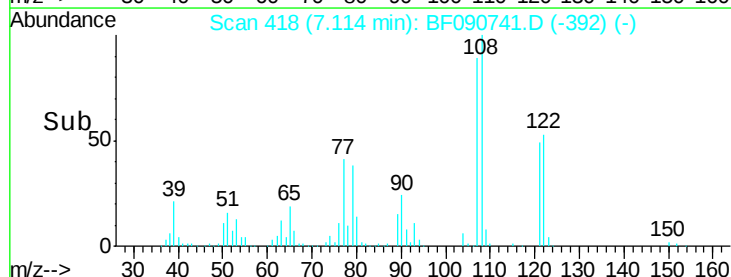
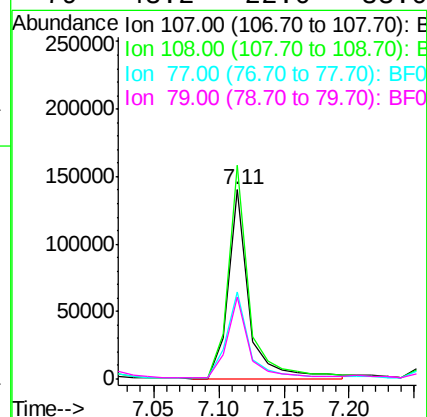
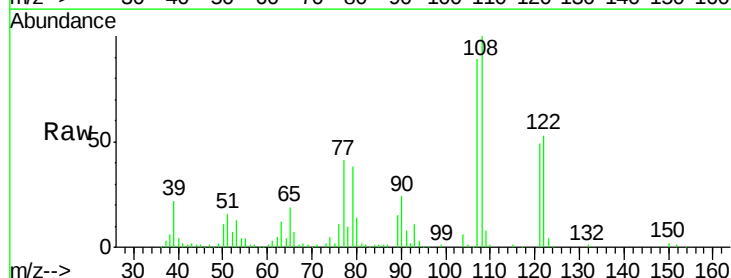
Ion Ratio Lower Upper

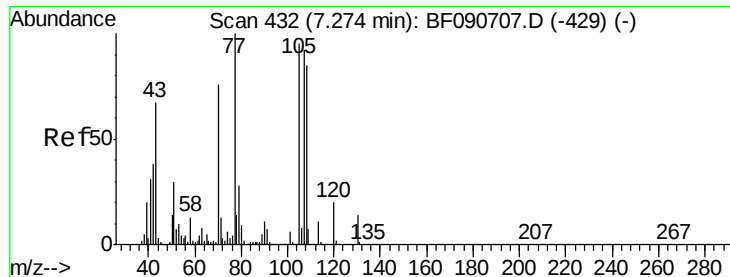
107 100

108 112.9 96.6 145.0

77 46.0 23.3 34.9#

79 43.2 22.0 33.0#





#20

3+4-Methylphenols

Concen: 15.03 ng

RT: 7.26 min Scan# 431

Delta R.T. -0.01 min

Lab File: BF090741.D

Acq: 22 Oct 2016 5:34

Instrument :

BNA_F

ClientSampleId :

MW-105D

Tgt Ion:107 Resp: 263453

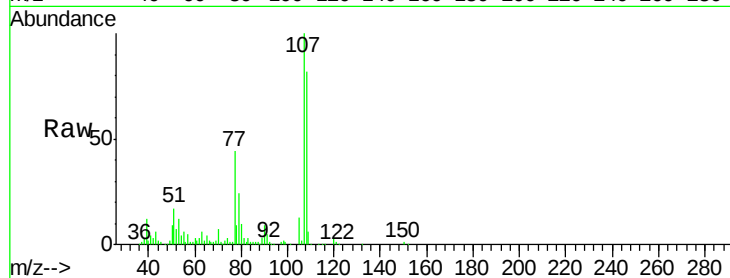
Ion Ratio Lower Upper

107 100

108 82.0 74.6 114.6

77 43.8 0.7 40.7#

79 23.9 0.0 38.9

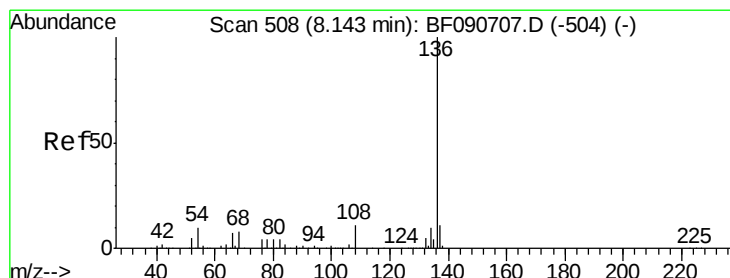
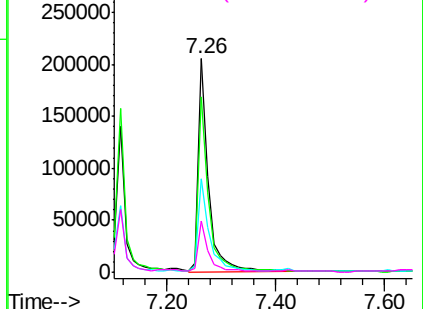
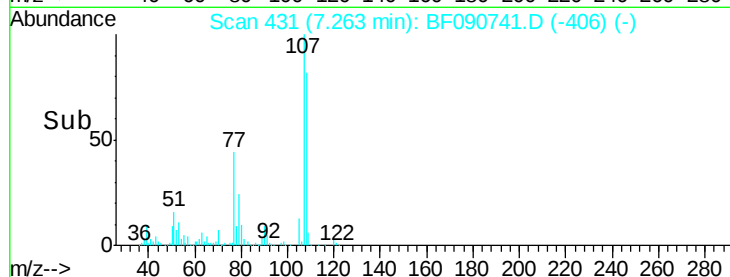


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 508

Delta R.T. -0.00 min

Lab File: BF090741.D

Acq: 22 Oct 2016 5:34

Tgt Ion:136 Resp: 1133992

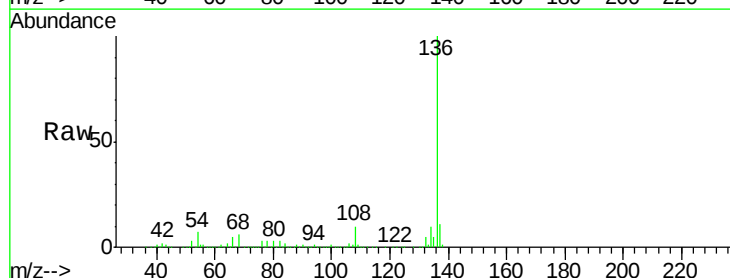
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 7.1 8.2 12.2#

68 6.4 5.8 8.6

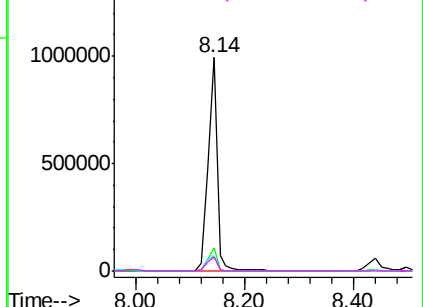
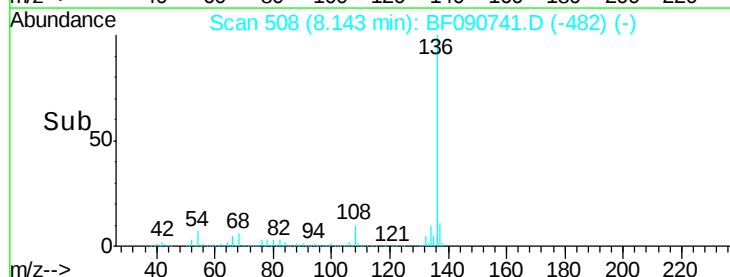


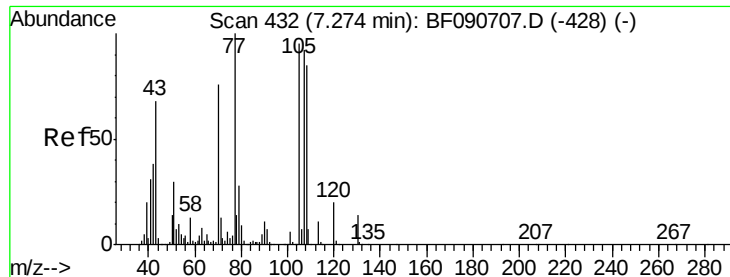
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#22

Acetophenone

Concen: 2.26 ng

RT: 7.26 min Scan# 431

Delta R.T. -0.01 min

Lab File: BF090741.D

Acq: 22 Oct 2016 5:34

Instrument :

BNA_F

ClientSampleId :

MW-105D

Tgt Ion: 105 Resp: 57183

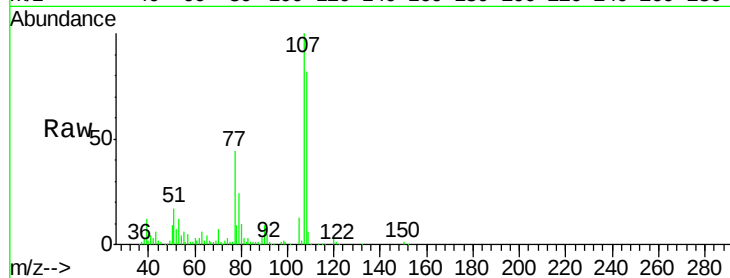
Ion Ratio Lower Upper

105 100

71 8.3 4.7 7.1#

51 127.6 22.0 33.0#

120 19.3 30.1 45.1#

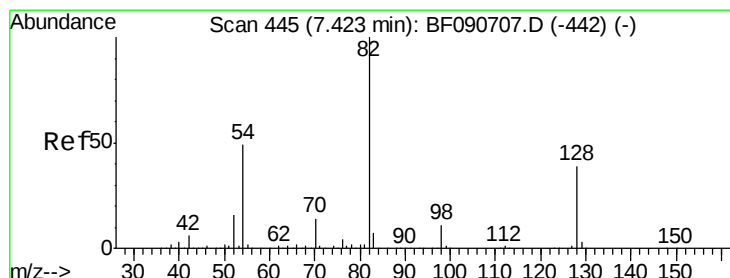
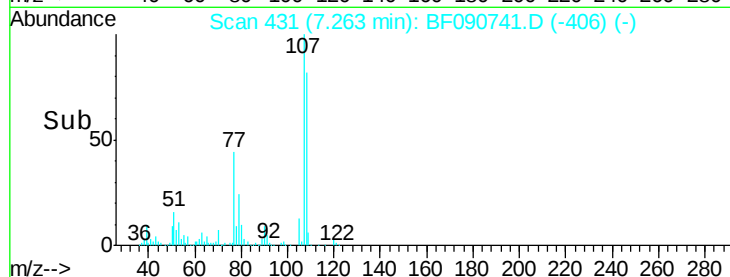
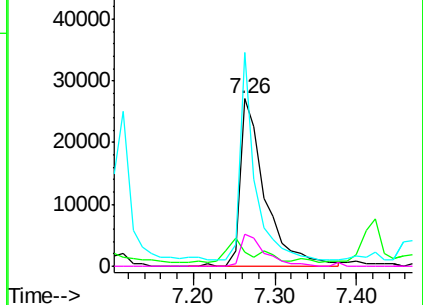


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 57.96 ng

RT: 7.42 min Scan# 445

Delta R.T. 0.00 min

Lab File: BF090741.D

Acq: 22 Oct 2016 5:34

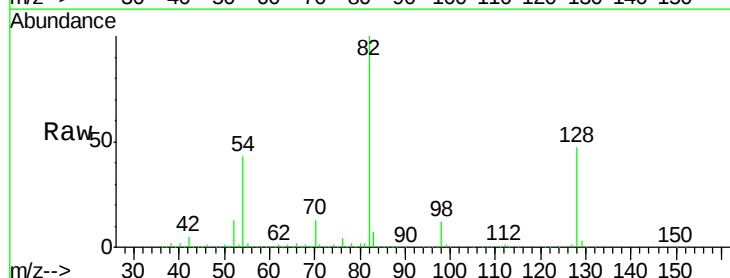
Tgt Ion: 82 Resp: 1198329

Ion Ratio Lower Upper

82 100

128 46.7 51.0 76.6#

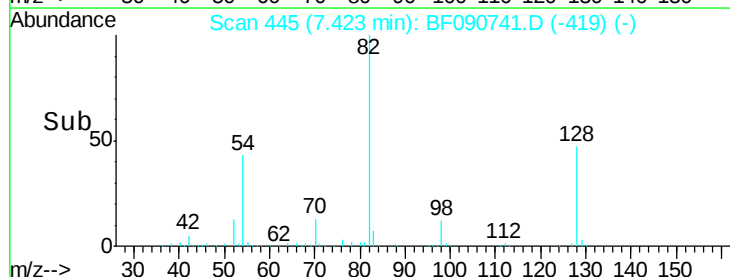
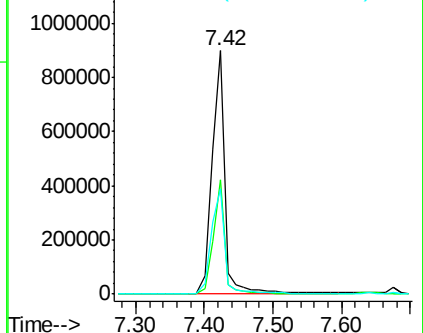
54 43.2 47.5 71.3#

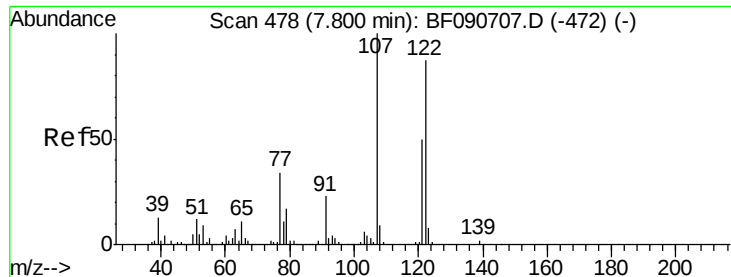


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#27

2,4-Dimethylphenol

Concen: 7.15 ng

RT: 7.97 min Scan# 493

Delta R.T. 0.17 min

Lab File: BF090741.D

Acq: 22 Oct 2016 5:34

Instrument :

BNA_F

ClientSampleId :

MW-105D

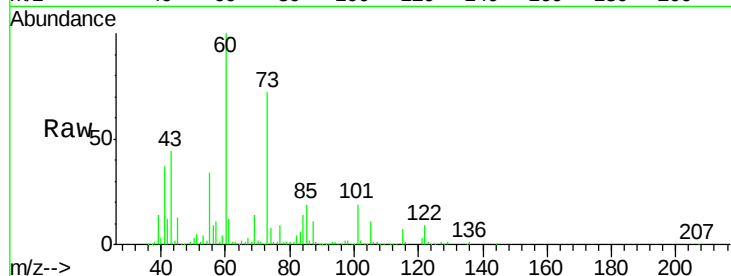
Tgt Ion:122 Resp: 116168

Ion Ratio Lower Upper

122 100

107 11.8 71.8 107.6#

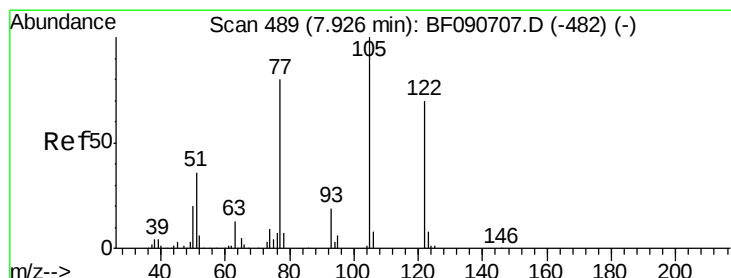
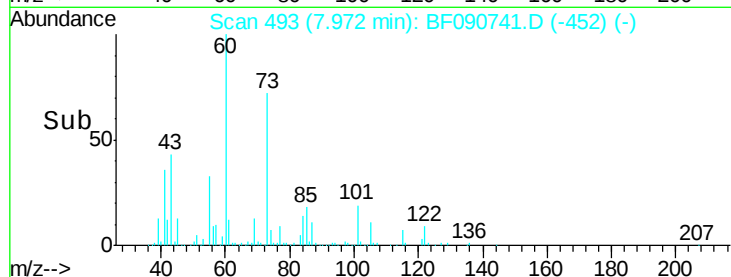
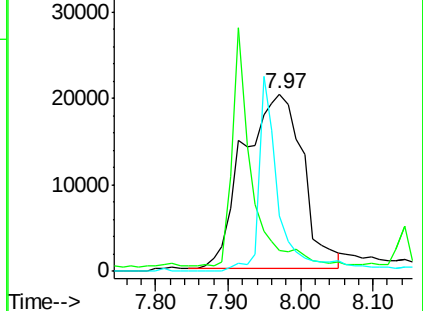
121 31.2 42.3 63.5#



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



#32

Benzoic acid

Concen: 16.86 ng

RT: 7.97 min Scan# 493

Delta R.T. 0.03 min

Lab File: BF090741.D

Acq: 22 Oct 2016 5:34

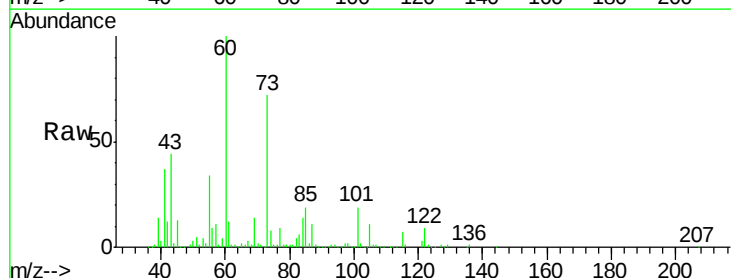
Tgt Ion:122 Resp: 126523

Ion Ratio Lower Upper

122 100

105 117.4 76.1 116.1#

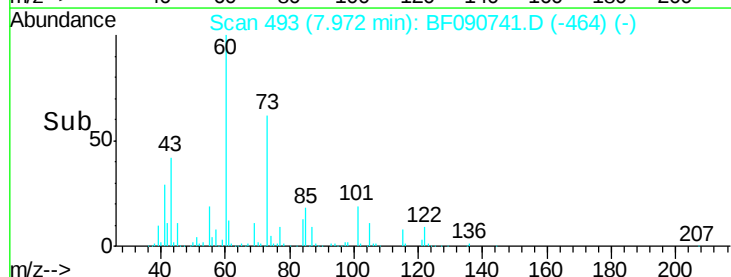
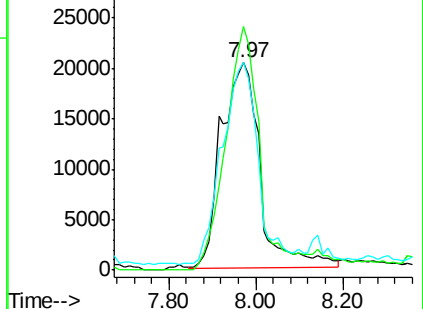
77 100.5 40.5 80.5#

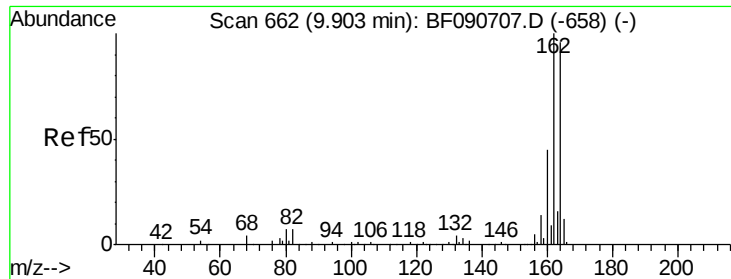


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 661

Delta R.T. -0.01 min

Lab File: BF090741.D

Acq: 22 Oct 2016 5:34

Instrument :

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MW-105D

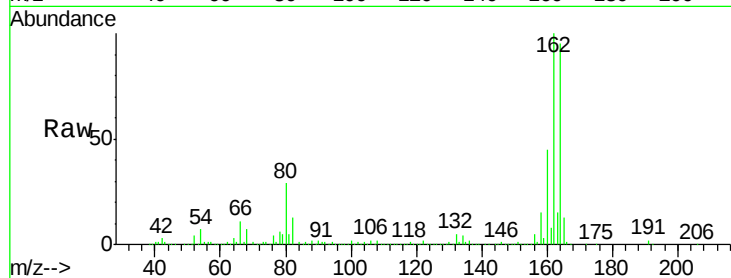
Tgt Ion:164 Resp: 536663

Ion Ratio Lower Upper

164 100

162 104.9 75.2 112.8

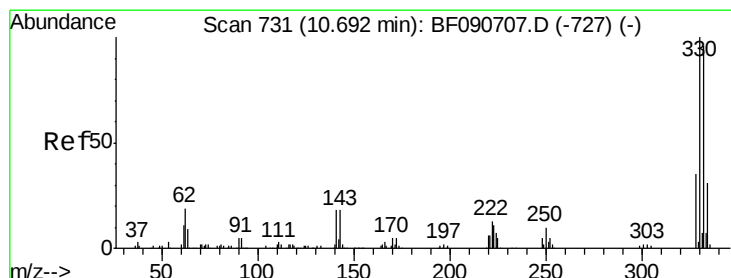
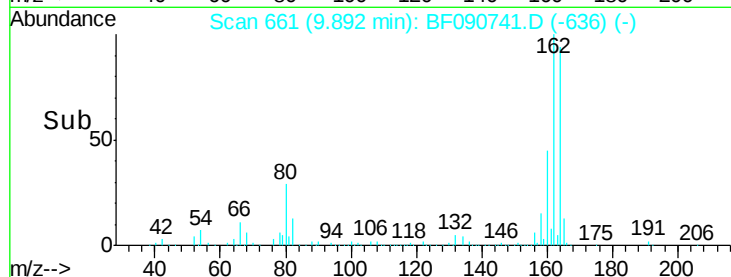
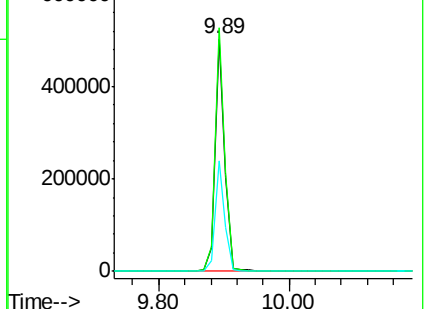
160 47.5 31.5 47.3#



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: 159.78 ng

RT: 10.69 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF090741.D

Acq: 22 Oct 2016 5:34

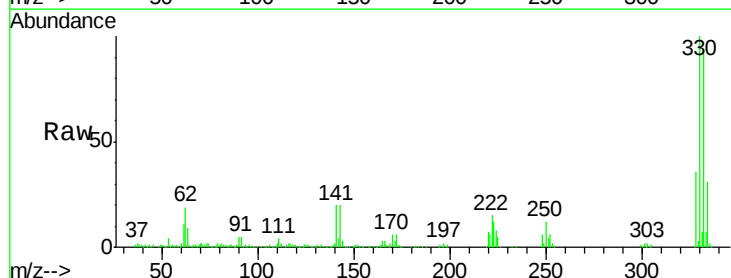
Tgt Ion:330 Resp: 678691

Ion Ratio Lower Upper

330 100

332 95.2 76.6 114.8

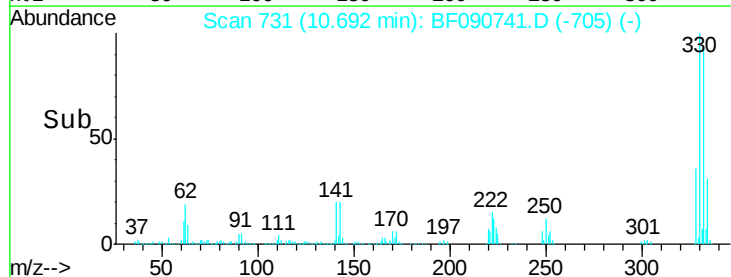
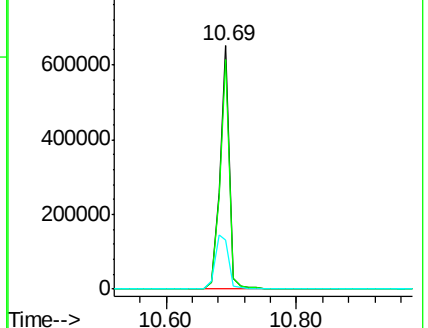
141 32.0 29.7 44.5

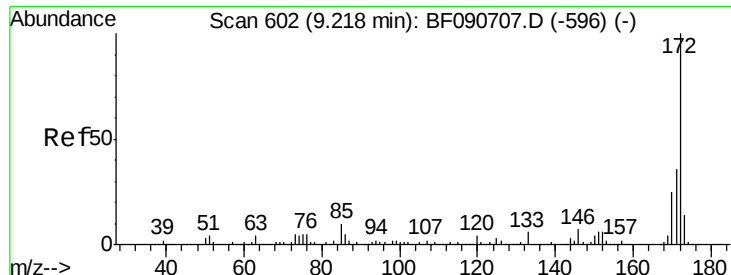


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

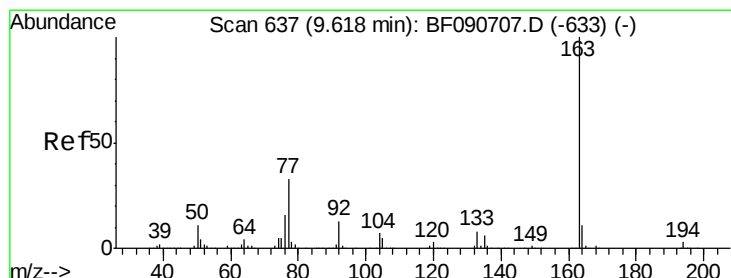
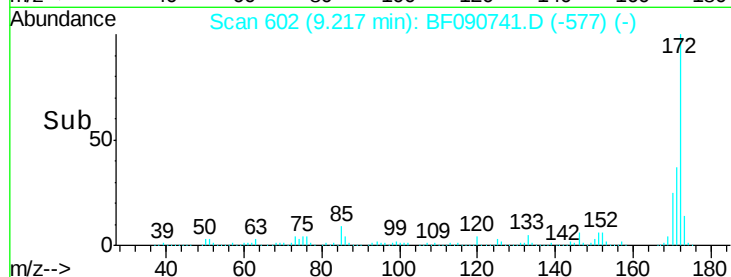
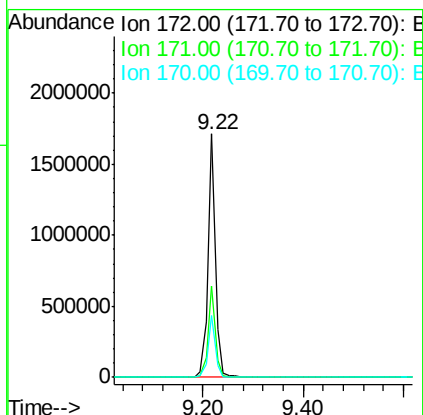
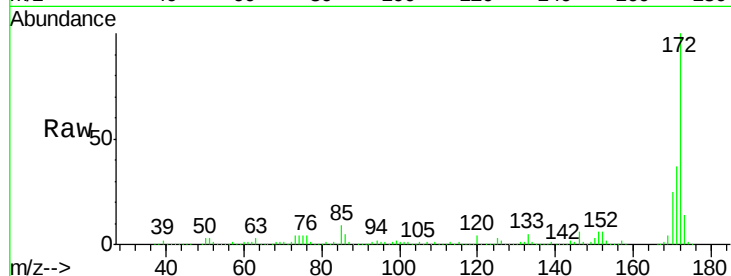




#44
 2-Fluorobiphenyl
 Concen: 51.02 ng
 RT: 9.22 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: BF090741.D
 Acq: 22 Oct 2016 5:34

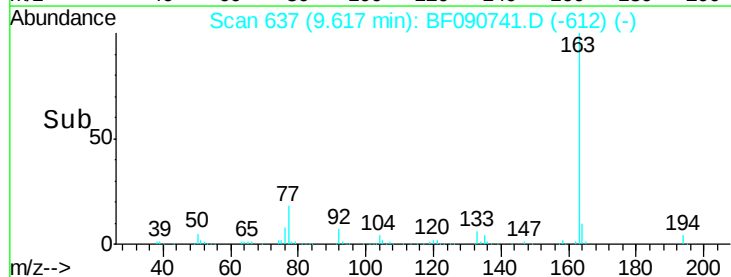
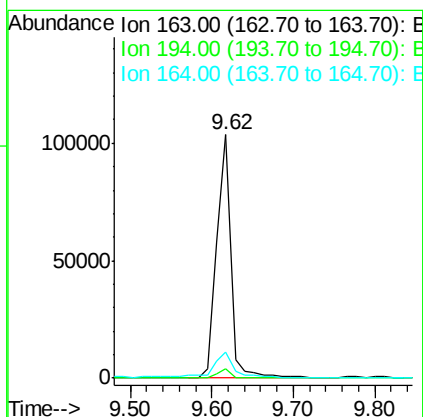
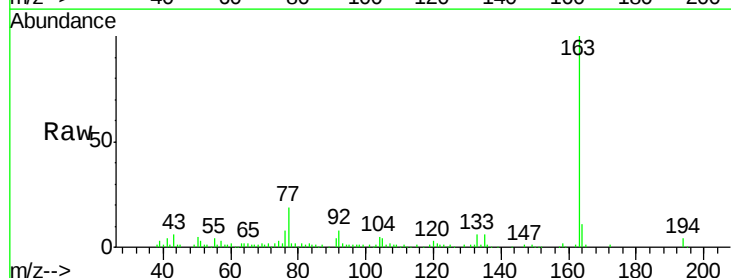
Instrument :
 BNA_F
 ClientSampleId :
 MW-105D

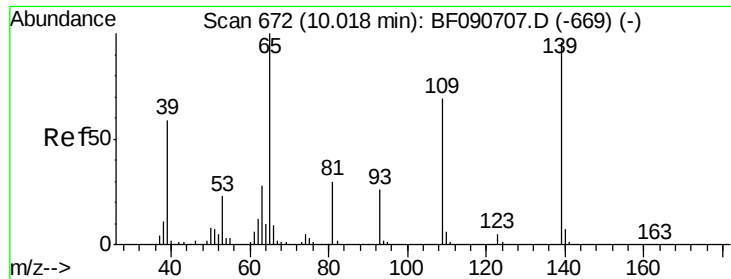
Tgt Ion:172 Resp: 1763856
 Ion Ratio Lower Upper
 172 100
 171 37.3 26.1 39.1
 170 25.4 17.4 26.2



#49
 Dimethylphthalate
 Concen: 3.74 ng
 RT: 9.62 min Scan# 637
 Delta R.T. -0.01 min
 Lab File: BF090741.D
 Acq: 22 Oct 2016 5:34

Tgt Ion:163 Resp: 126191
 Ion Ratio Lower Upper
 163 100
 194 3.9 4.4 6.6#
 164 10.8 8.3 12.5

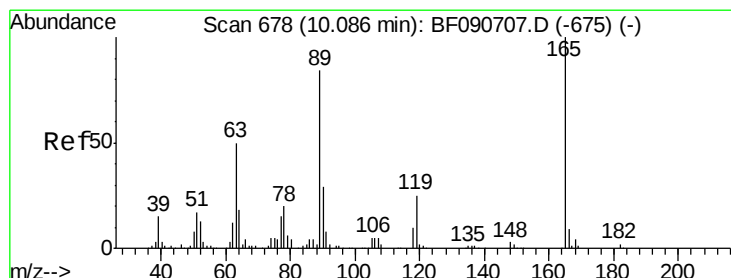
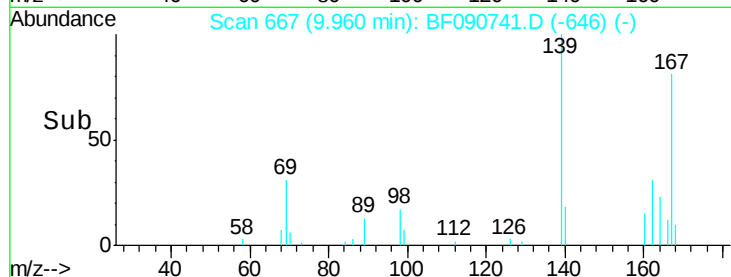
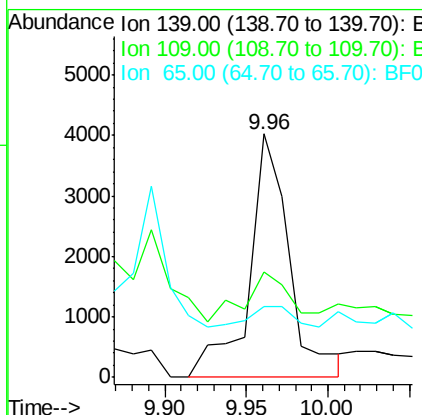
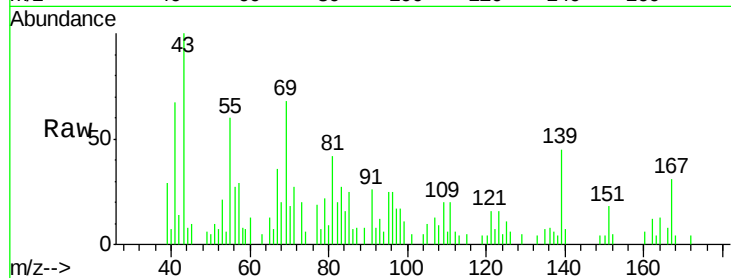




#55
4-Nitrophenol
Concen: 7.18 ng
RT: 9.96 min Scan# 667
Delta R.T. -0.06 min
Lab File: BF090741.D
Acq: 22 Oct 2016 5:34

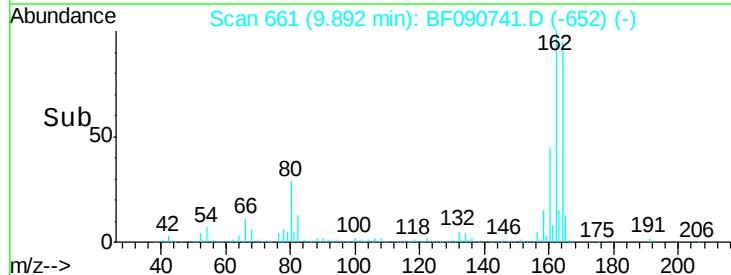
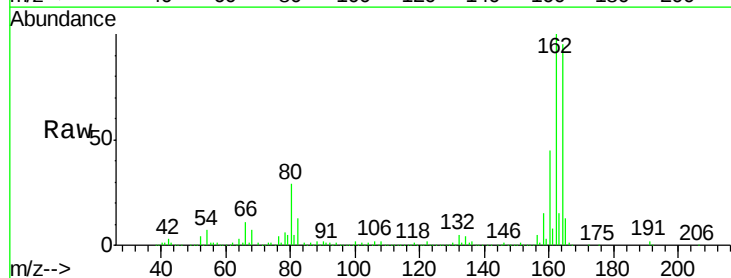
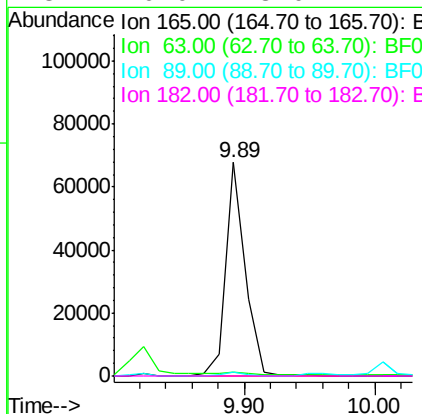
Instrument :
BNA_F
ClientSampleId :
MW-105D

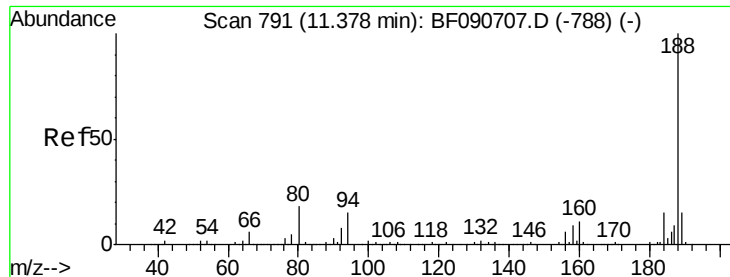
Tgt Ion:139 Resp: 6908
Ion Ratio Lower Upper
139 100
109 43.4 12.7 52.7
65 29.0 45.9 85.9#



#56
2,4-Dinitrotoluene
Concen: 7.91 ng
RT: 9.89 min Scan# 661
Delta R.T. -0.19 min
Lab File: BF090741.D
Acq: 22 Oct 2016 5:34

Tgt Ion:165 Resp: 70087
Ion Ratio Lower Upper
165 100
63 1.8 29.8 44.6#
89 1.6 44.5 66.7#
182 0.0 3.0 4.4#

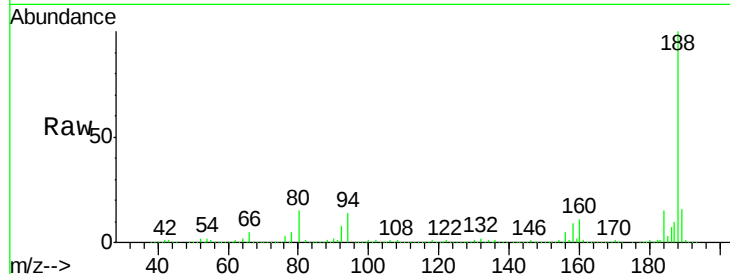




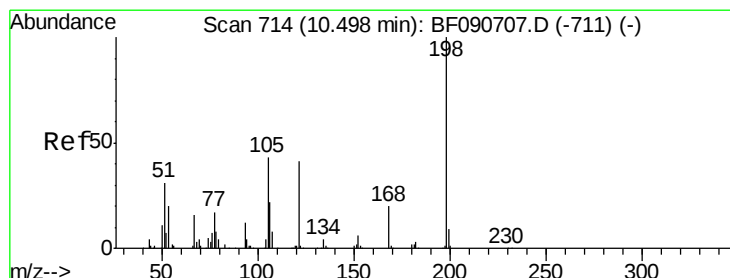
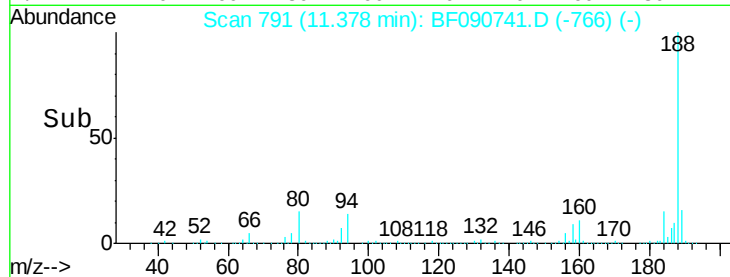
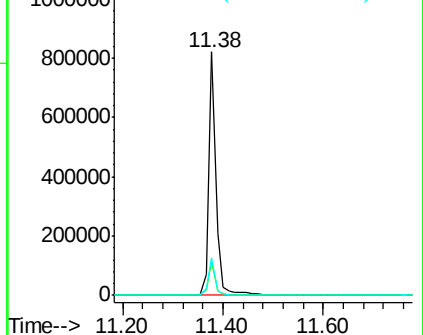
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF090741.D
Acq: 22 Oct 2016 5:34

Instrument :
BNA_F
ClientSampleId :
MW-105D

Tgt Ion:188 Resp: 831097
Ion Ratio Lower Upper
188 100
94 13.6 11.1 16.7
80 15.4 11.0 16.4

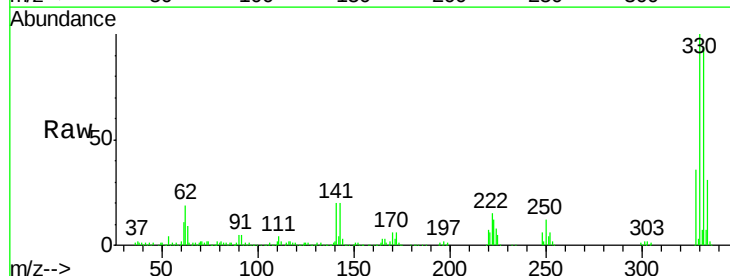


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

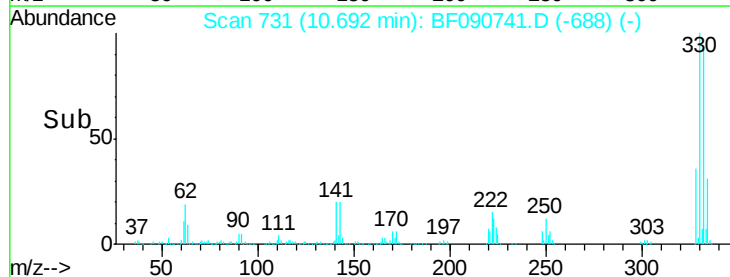
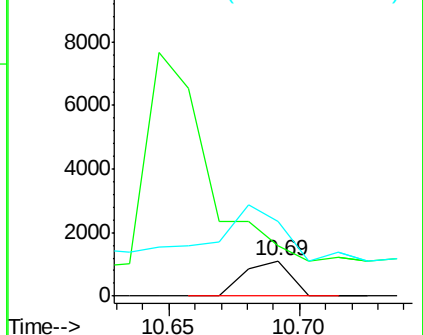


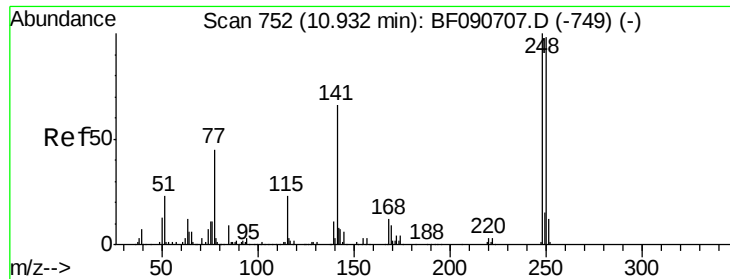
#64
4,6-Dinitro-2-methylphenol
Concen: 4.41 ng
RT: 10.69 min Scan# 731
Delta R.T. 0.19 min
Lab File: BF090741.D
Acq: 22 Oct 2016 5:34

Tgt Ion:198 Resp: 1349
Ion Ratio Lower Upper
198 100
51 143.7 39.6 79.6#
105 211.5 28.5 68.5#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

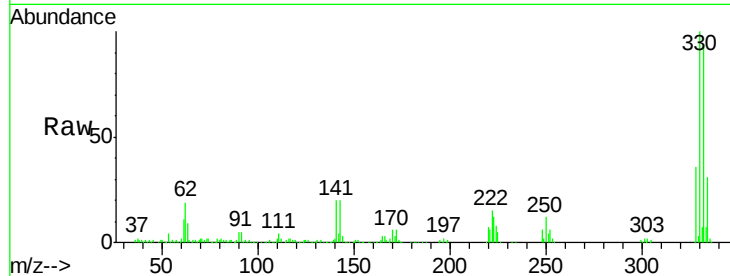




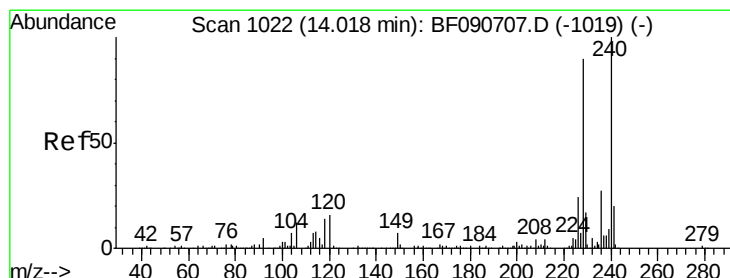
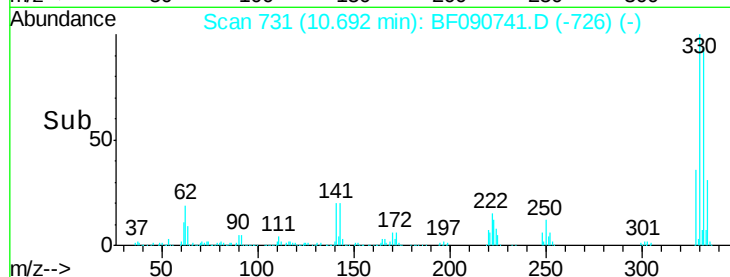
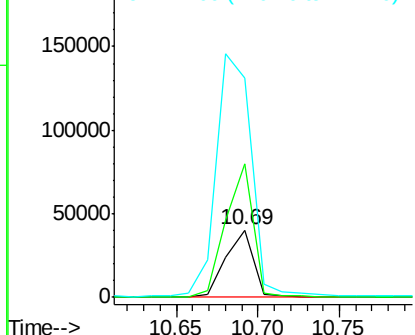
#66
4-Bromophenyl-phenylether
Concen: 5.82 ng
RT: 10.69 min Scan# 731
Delta R.T. -0.24 min
Lab File: BF090741.D
Acq: 22 Oct 2016 5:34

Instrument :
BNA_F
ClientSampleId :
MW-105D

Tgt Ion:248 Resp: 46928
Ion Ratio Lower Upper
248 100
250 198.7 78.5 117.7#
141 327.1 59.0 88.6#

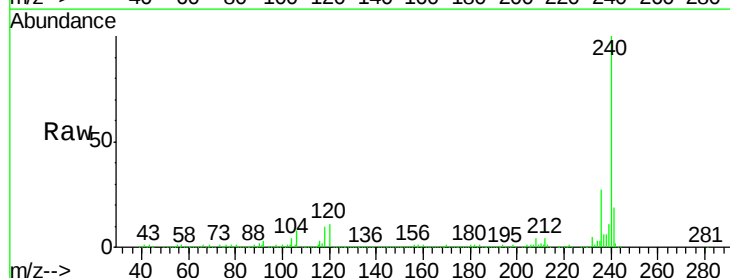


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

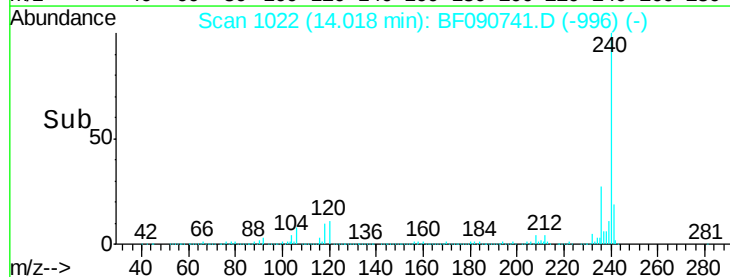
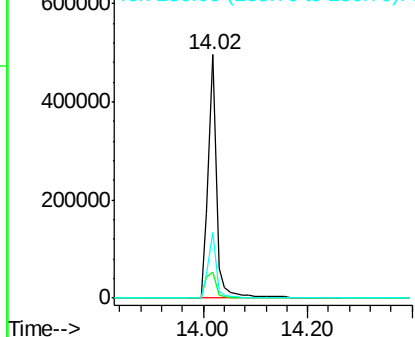


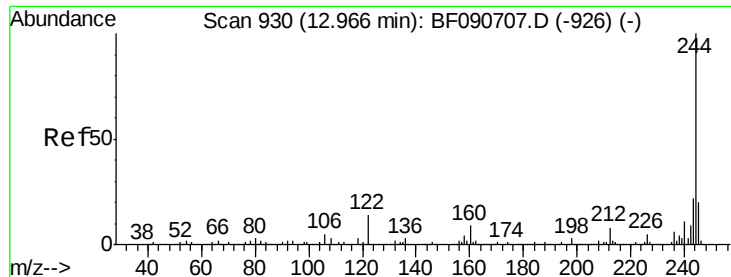
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF090741.D
Acq: 22 Oct 2016 5:34

Tgt Ion:240 Resp: 558919
Ion Ratio Lower Upper
240 100
120 10.8 16.2 24.2#
236 27.0 18.4 27.6



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

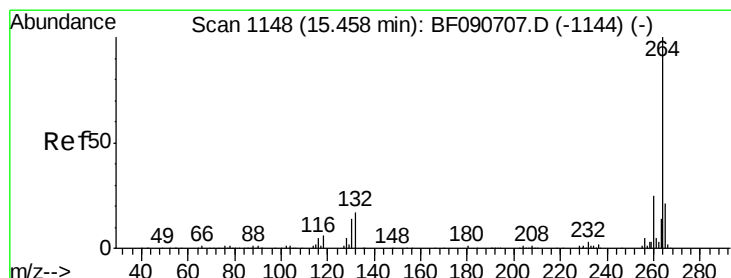
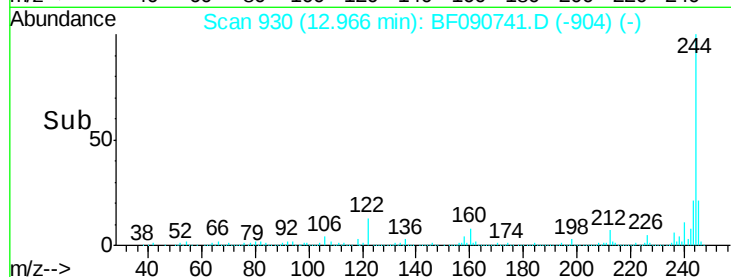
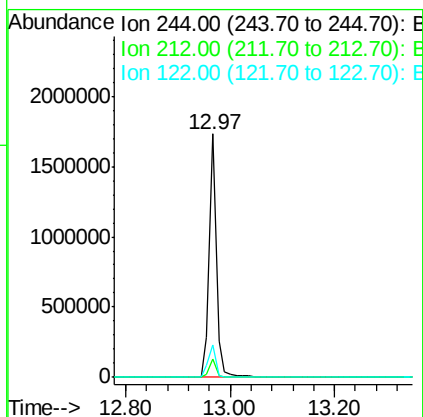
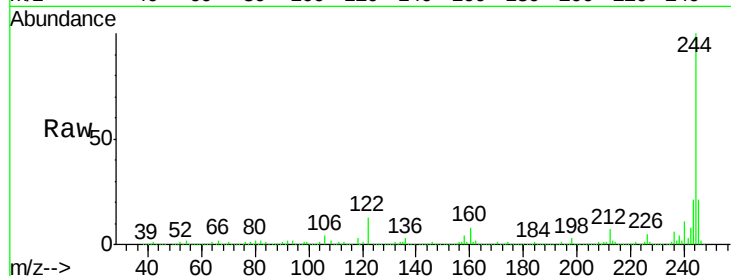




#78
 Terphenyl-d14
 Concen: 68.02 ng
 RT: 12.97 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: BF090741.D
 Acq: 22 Oct 2016 5:34

Instrument :
 BNA_F
 ClientSampleId :
 MW-105D

Tgt Ion:244 Resp: 1658801
 Ion Ratio Lower Upper
 244 100
 212 7.5 4.3 6.5#
 122 13.2 17.4 26.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.45 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: BF090741.D
 Acq: 22 Oct 2016 5:34

Tgt Ion:264 Resp: 388780
 Ion Ratio Lower Upper
 264 100
 260 25.5 16.7 25.1#
 265 21.3 17.2 25.8

