

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102116\
 Data File : BF090745.D
 Acq On : 22 Oct 2016 7:24
 Operator : UM/SJ
 Sample : H5308-20
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-103S

Quant Time: Oct 24 00:45:39 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

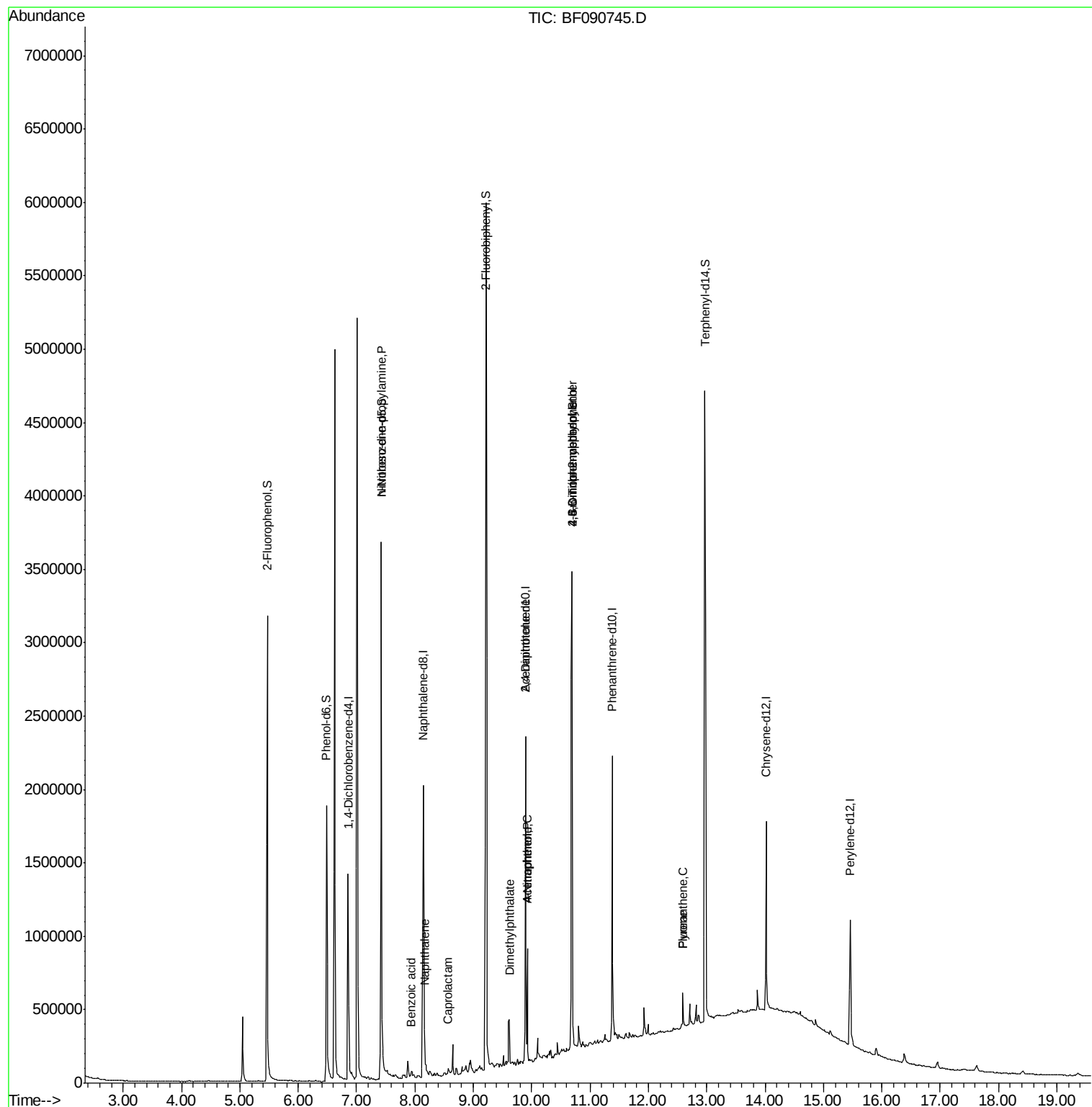
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	254585	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	1071818	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	493583	20.00	ng	-0.01
63) Phenanthrene-d10	11.38	188	765711	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	459752	20.00	ng	0.00
86) Perylene-d12	15.46	264	383230	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1090018	69.05	ng	0.01
7) Phenol-d6	6.49	99	815279	38.13	ng	-0.01
23) Nitrobenzene-d5	7.42	82	1681903	86.07	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	638119	163.34	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	2558003	80.45	ng	-0.01
78) Terphenyl-d14	12.97	244	1920869	95.76	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	226599	14.23	ng	Qvalue # 52
31) Naphthalene	8.17	128	184733	3.52	ng	99
32) Benzoic acid	7.94	122	1857	7.69	ng	# 46
35) Caprolactam	8.57	113	8262	2.30	ng	# 47
49) Dimethylphthalate	9.62	163	212215	6.84	ng	# 96
51) Acenaphthene	9.93	154	167979	5.76	ng	89
55) 4-Nitrophenol	9.93	139	1569	6.24	ng	# 21
56) 2,4-Dinitrotoluene	9.89	165	67543	8.29	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.69	198	1705	4.50	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	42114	5.67	ng	# 1
74) Fluoranthene	12.59	202	94590	2.51	ng	96
77) Pyrene	12.59	202	94784	2.95	ng	97

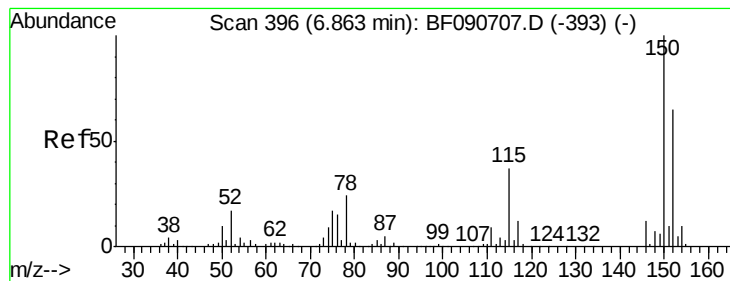
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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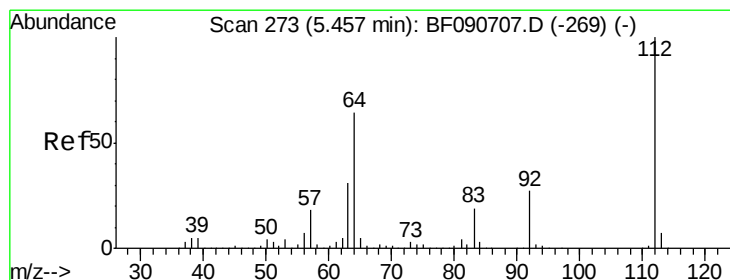
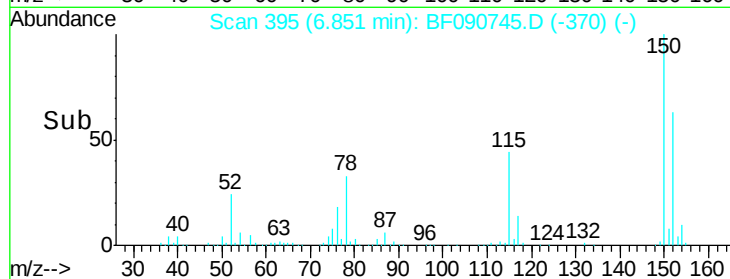
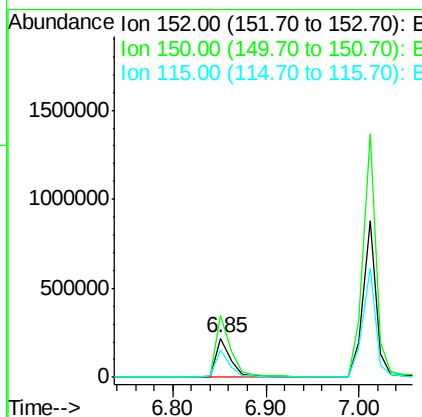
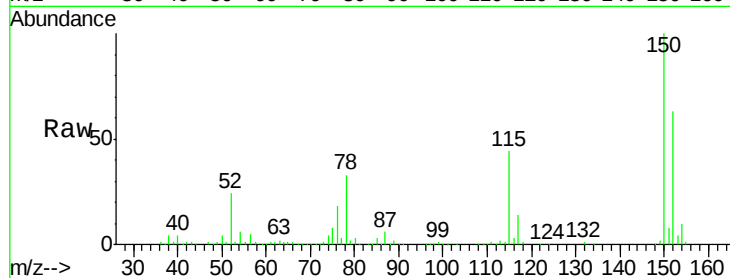




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 395
 Delta R.T. -0.01 min
 Lab File: BF090745.D
 Acq: 22 Oct 2016 7:24

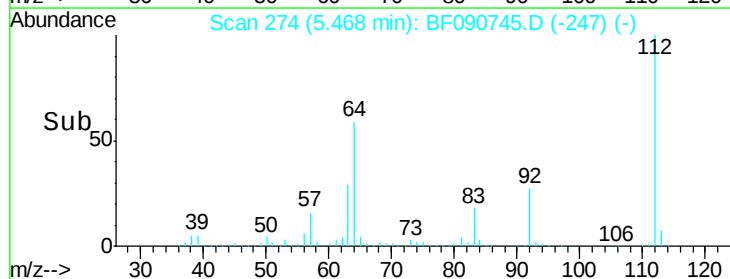
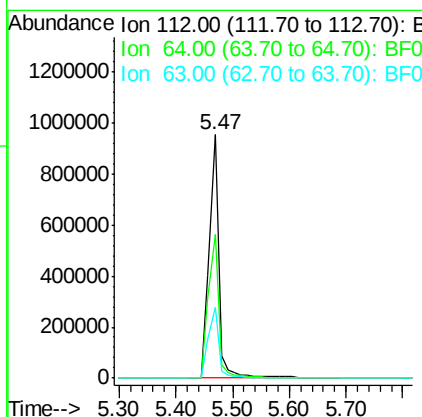
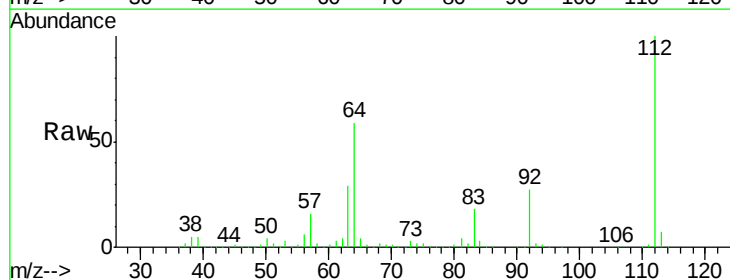
Instrument :
 BNA_F
 ClientSampleId :
 MW-103S

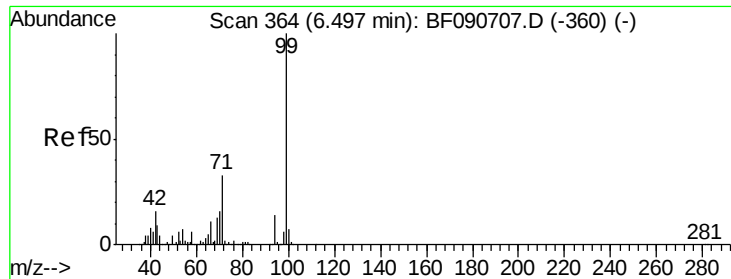
Tgt Ion:152 Resp: 254585
 Ion Ratio Lower Upper
 152 100
 150 158.1 124.7 187.1
 115 69.7 39.0 58.4#



#5
 2-Fluorophenol
 Concen: 69.05 ng
 RT: 5.47 min Scan# 274
 Delta R.T. 0.01 min
 Lab File: BF090745.D
 Acq: 22 Oct 2016 7:24

Tgt Ion:112 Resp: 1090018
 Ion Ratio Lower Upper
 112 100
 64 58.9 39.7 59.5
 63 29.0 17.4 26.0#





#7

Phenol-d6

Concen: 38.13 ng

RT: 6.49 min Scan# 363

Delta R.T. -0.01 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

Instrument :

BNA_F

ClientSampleId :

MW-103S

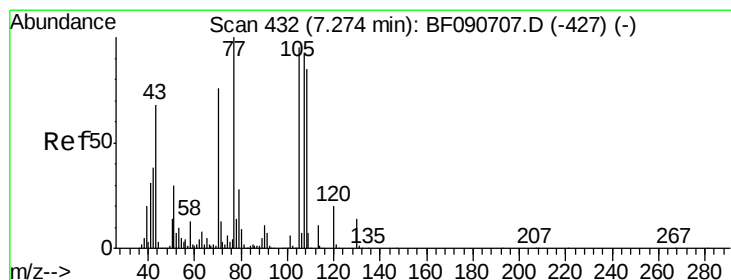
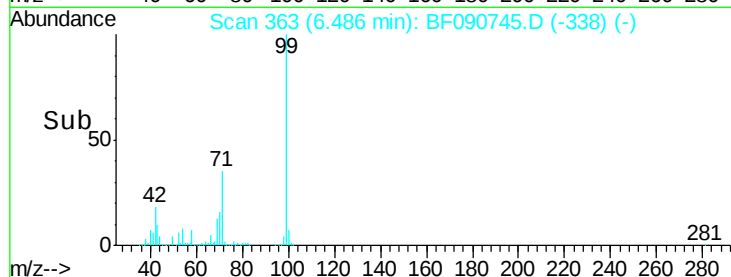
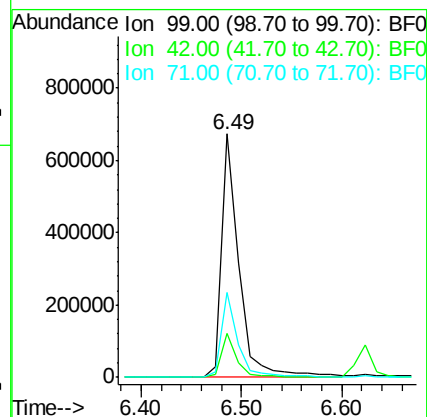
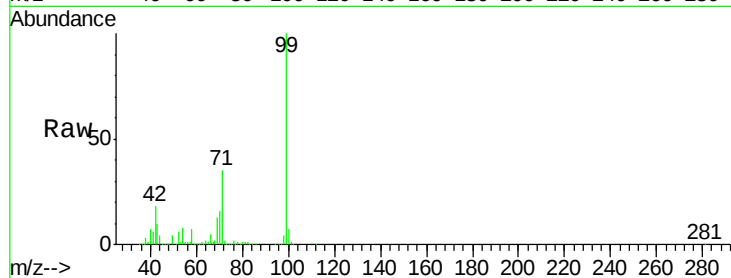
Tgt Ion: 99 Resp: 815279

Ion Ratio Lower Upper

99 100

42 18.2 13.7 20.5

71 34.9 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 14.23 ng

RT: 7.42 min Scan# 445

Delta R.T. 0.15 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

Tgt Ion: 70 Resp: 226599

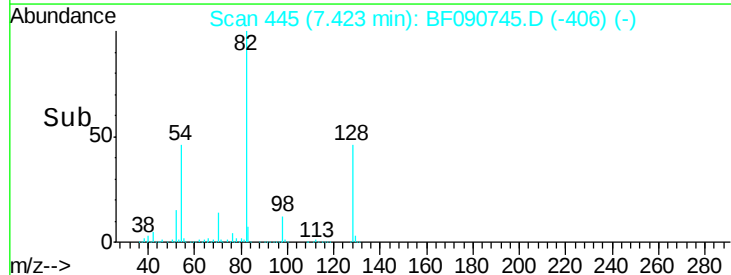
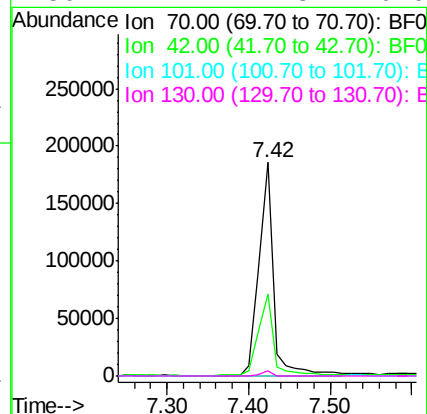
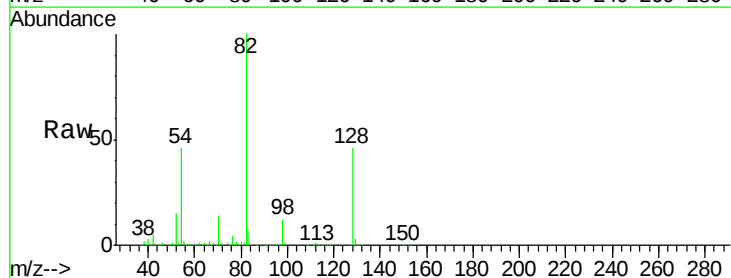
Ion Ratio Lower Upper

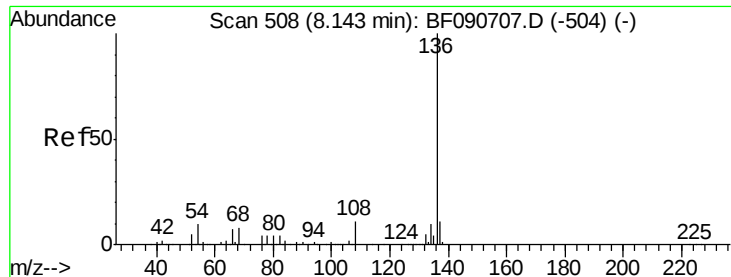
70 100

42 38.2 63.8 95.6#

101 0.0 9.2 13.8#

130 2.2 27.3 40.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 508

Delta R.T. -0.00 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

Instrument :

BNA_F

ClientSampleId :

MW-103S

Tgt Ion:136 Resp: 1071818

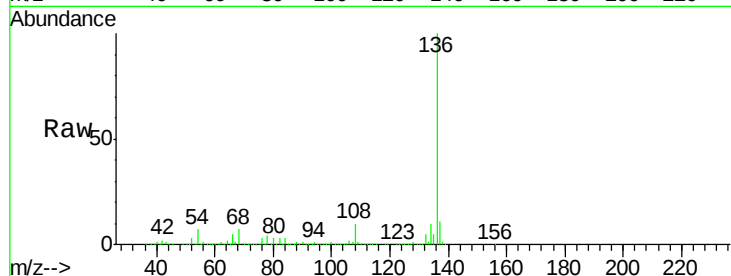
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 7.2 8.2 12.2#

68 6.6 5.8 8.6

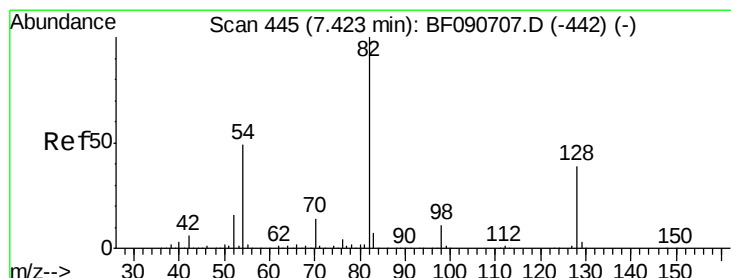
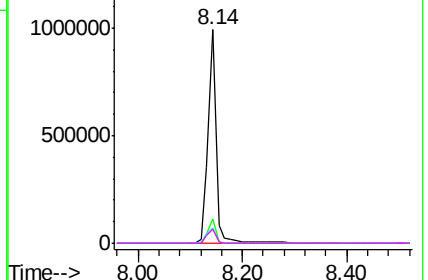
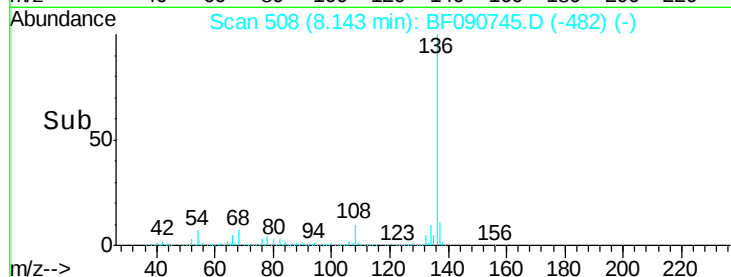


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 86.07 ng

RT: 7.42 min Scan# 445

Delta R.T. -0.00 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

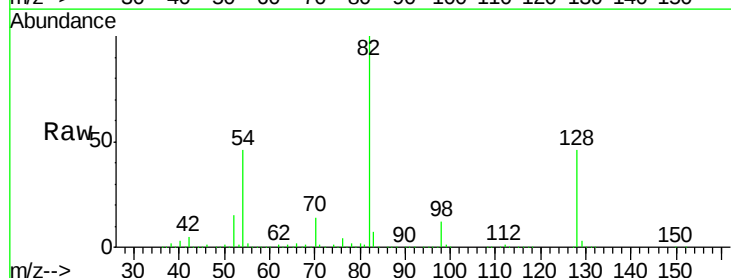
Tgt Ion: 82 Resp: 1681903

Ion Ratio Lower Upper

82 100

128 45.5 51.0 76.6#

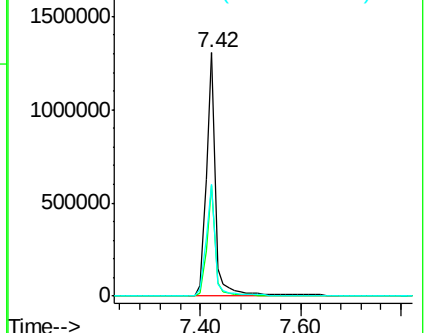
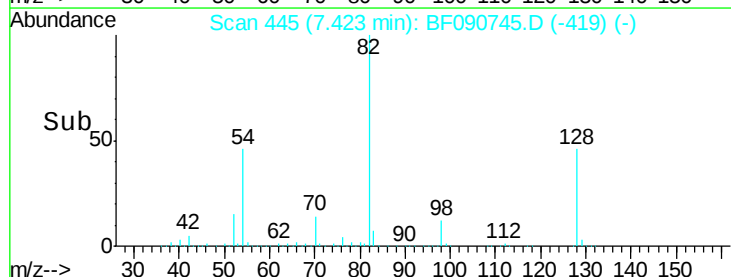
54 46.1 47.5 71.3#

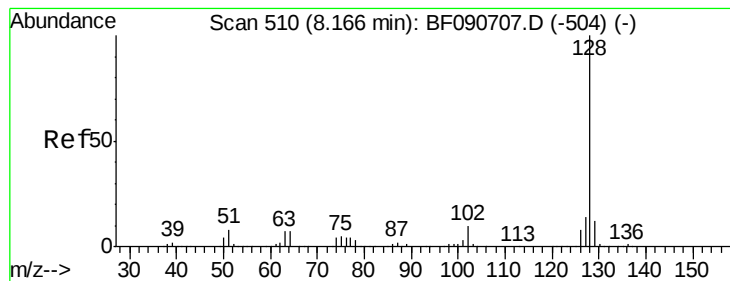


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 3.52 ng

RT: 8.17 min Scan# 510

Delta R.T. -0.00 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

Instrument :

BNA_F

ClientSampleId :

MW-103S

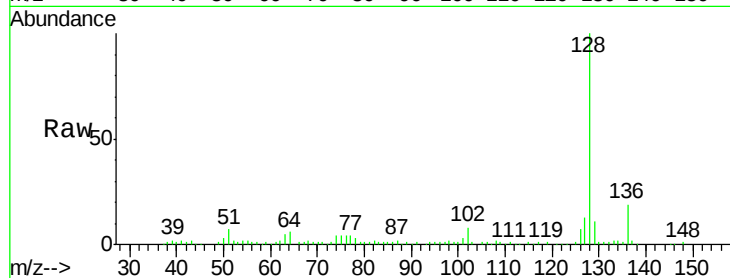
Tgt Ion:128 Resp: 184733

Ion Ratio Lower Upper

128 100

129 10.8 8.4 12.6

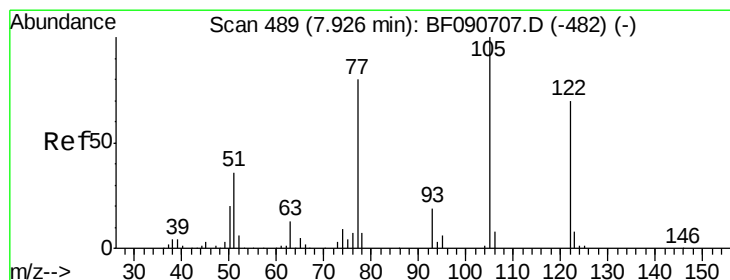
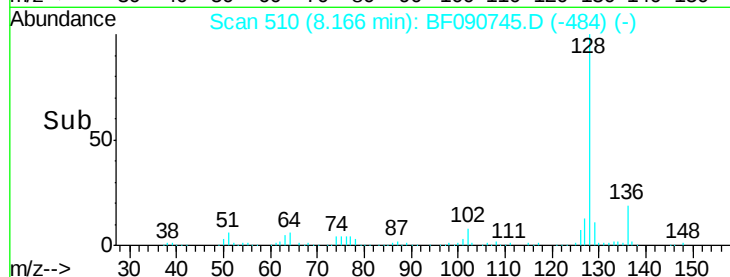
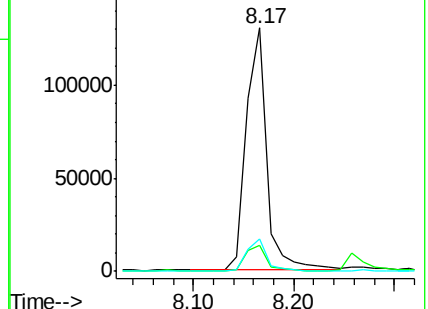
127 13.2 9.9 14.9



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 7.69 ng

RT: 7.94 min Scan# 490

Delta R.T. 0.00 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

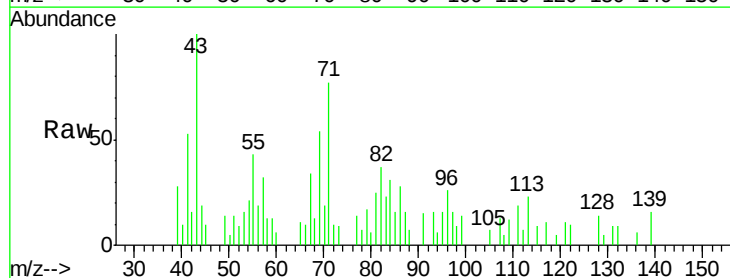
Tgt Ion:122 Resp: 1857

Ion Ratio Lower Upper

122 100

105 67.2 76.1 116.1#

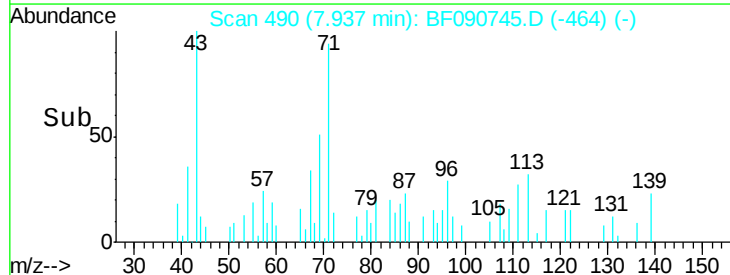
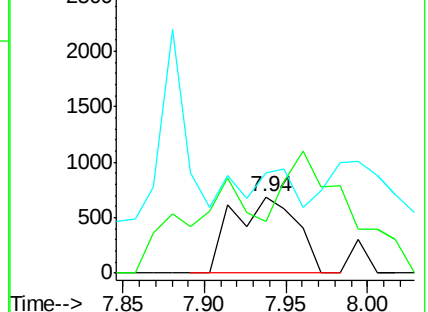
77 131.5 40.5 80.5#

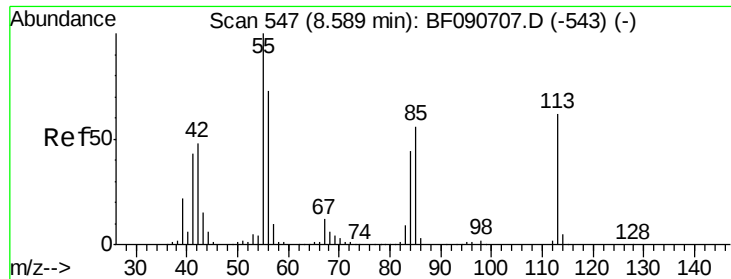


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

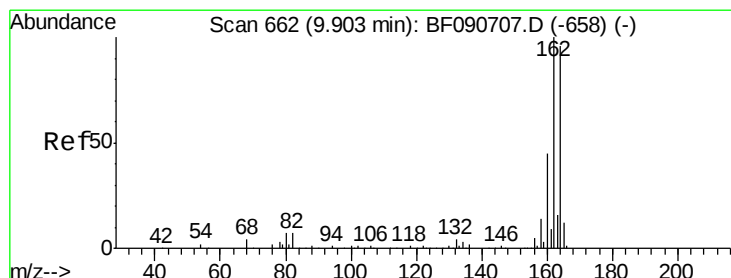
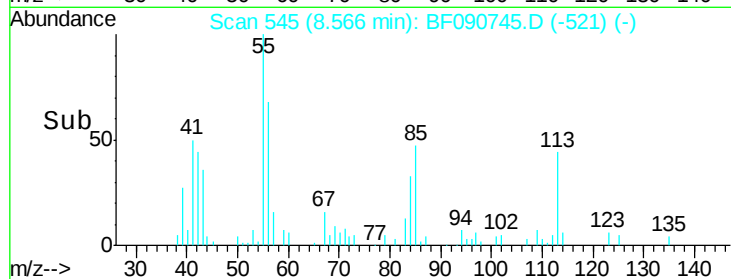
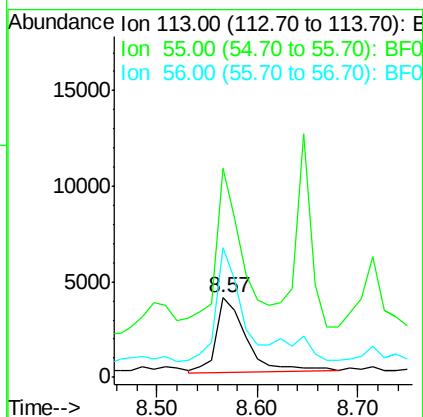
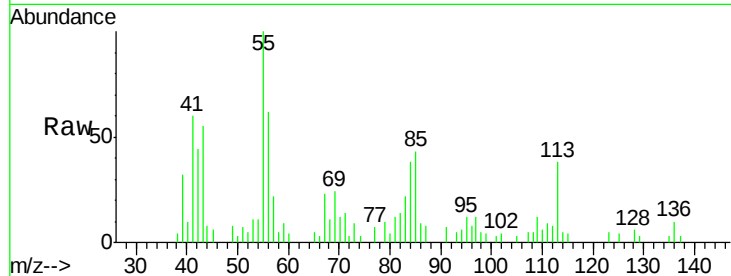




#35
 Caprolactam
 Concen: 2.30 ng
 RT: 8.57 min Scan# 545
 Delta R.T. -0.02 min
 Lab File: BF090745.D
 Acq: 22 Oct 2016 7:24

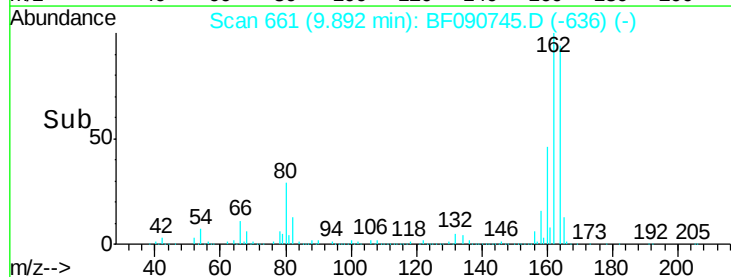
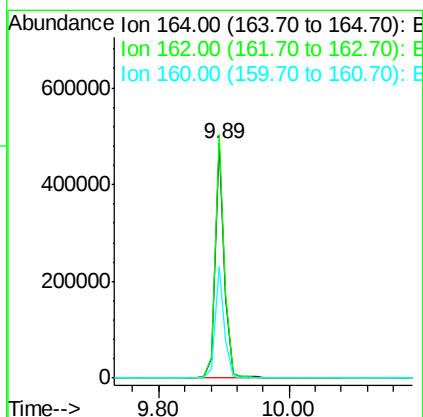
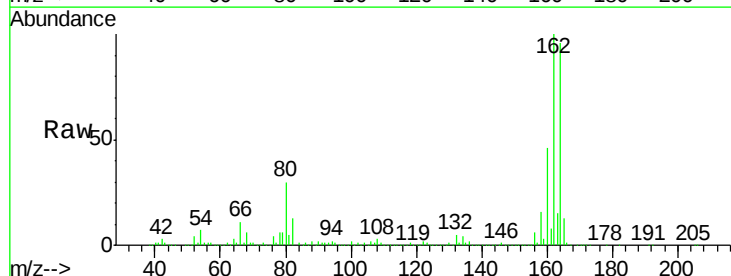
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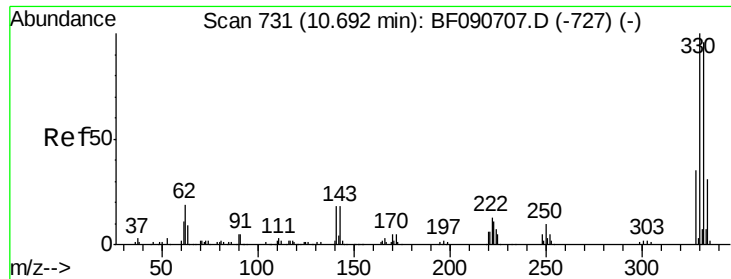
Tgt Ion:113 Resp: 8262
 Ion Ratio Lower Upper
 113 100
 55 263.9 152.4 192.4#
 56 163.0 104.6 144.6#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 661
 Delta R.T. -0.01 min
 Lab File: BF090745.D
 Acq: 22 Oct 2016 7:24

Tgt Ion:164 Resp: 493583
 Ion Ratio Lower Upper
 164 100
 162 103.9 75.2 112.8
 160 47.8 31.5 47.3#

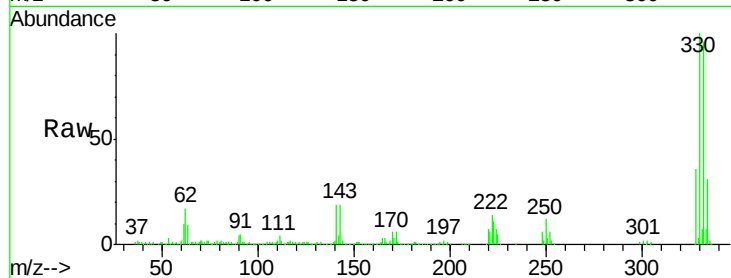




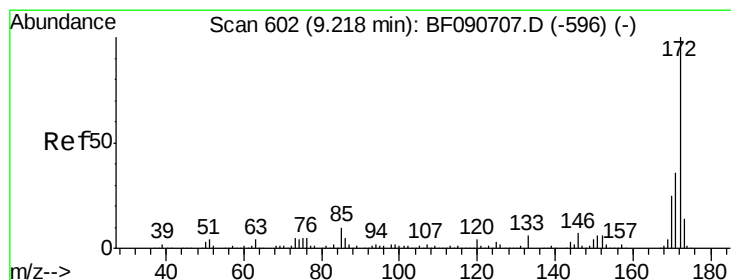
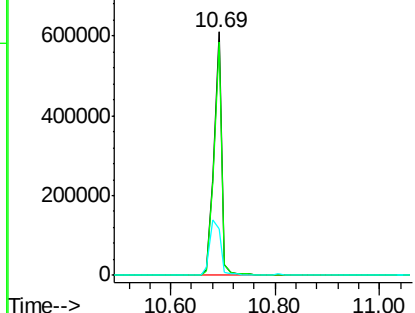
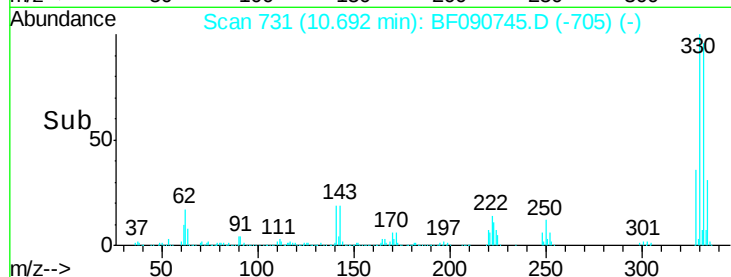
#41
 2,4,6-Tribromophenol
 Concen: 163.34 ng
 RT: 10.69 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: BF090745.D
 Acq: 22 Oct 2016 7:24

Instrument :
 BNA_F
 ClientSampleId :
 MW-103S

Tgt Ion:330 Resp: 638119
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.6 114.8
 141 31.2 29.7 44.5

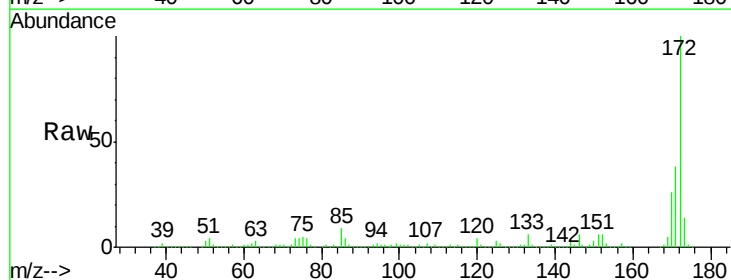


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

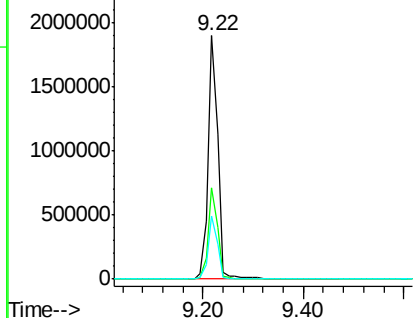
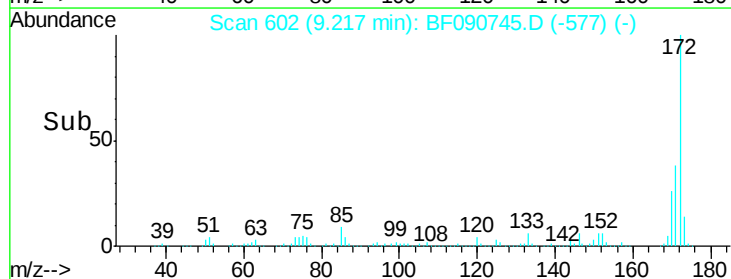


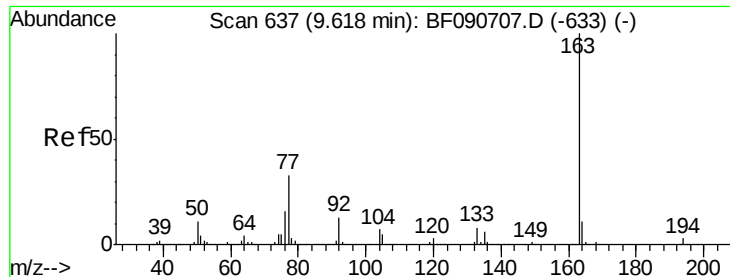
#44
 2-Fluorobiphenyl
 Concen: 80.45 ng
 RT: 9.22 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: BF090745.D
 Acq: 22 Oct 2016 7:24

Tgt Ion:172 Resp: 2558003
 Ion Ratio Lower Upper
 172 100
 171 37.7 26.1 39.1
 170 25.7 17.4 26.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

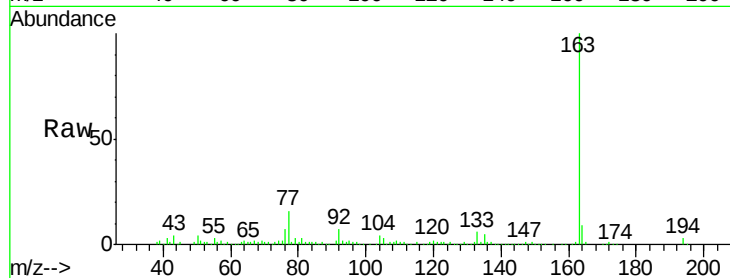




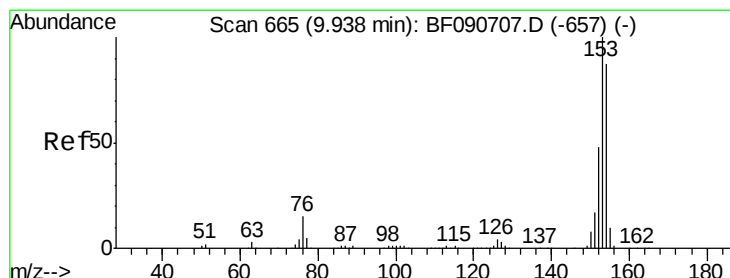
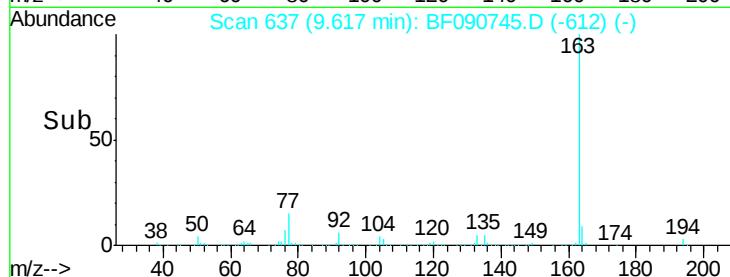
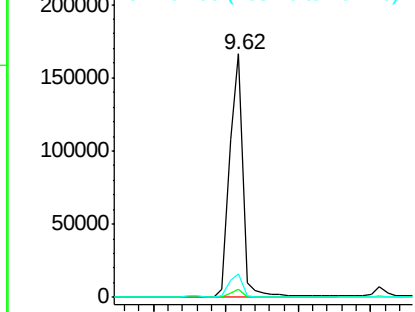
#49
Dimethylphthalate
Concen: 6.84 ng
RT: 9.62 min Scan# 637
Delta R.T. -0.01 min
Lab File: BF090745.D
Acq: 22 Oct 2016 7:24

Instrument :
BNA_F
ClientSampleId :
MW-103S

Tgt Ion:163 Resp: 212215
Ion Ratio Lower Upper
163 100
194 3.5 4.4 6.6#
164 9.5 8.3 12.5

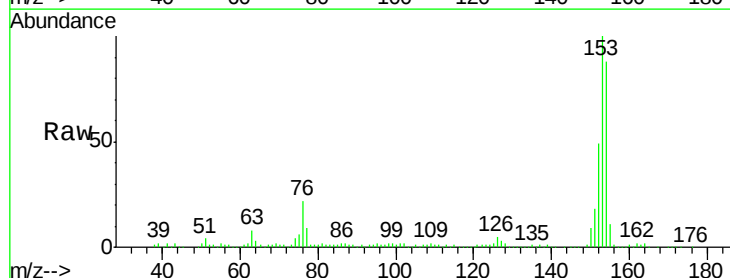


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

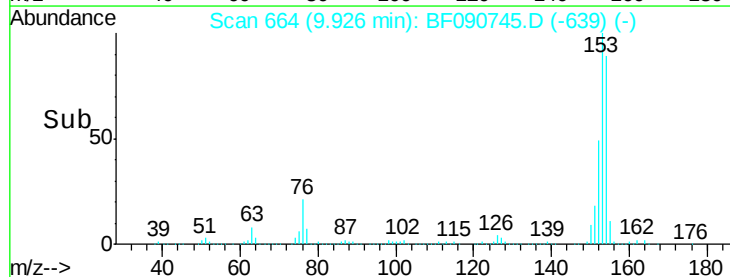
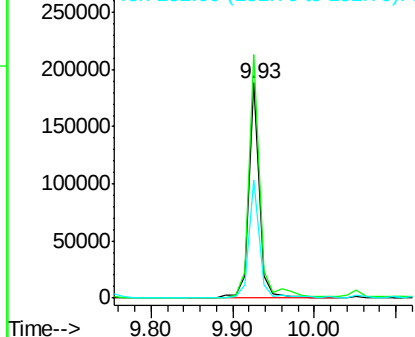


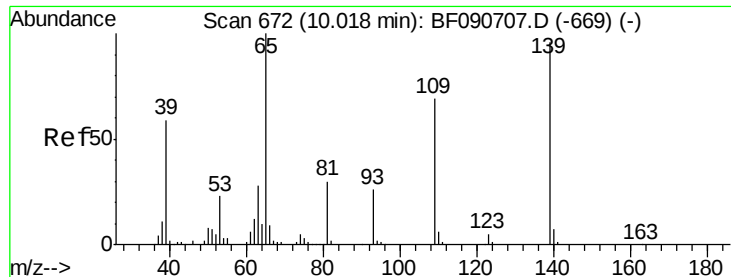
#51
Acenaphthene
Concen: 5.76 ng
RT: 9.93 min Scan# 664
Delta R.T. -0.01 min
Lab File: BF090745.D
Acq: 22 Oct 2016 7:24

Tgt Ion:154 Resp: 167979
Ion Ratio Lower Upper
154 100
153 113.2 82.1 123.1
152 55.1 37.9 56.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#55

4-Nitrophenol

Concen: 6.24 ng

RT: 9.93 min Scan# 664

Delta R.T. -0.09 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

Instrument :

BNA_F

ClientSampleId :

MW-103S

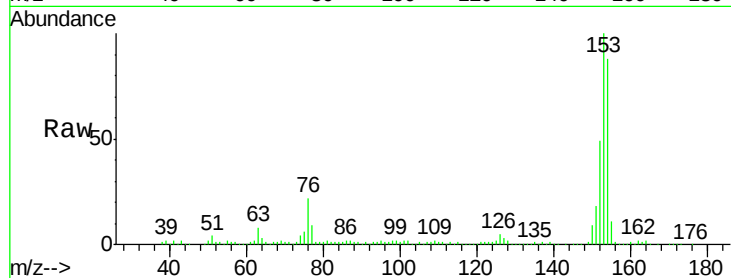
Tgt Ion:139 Resp: 1569

Ion Ratio Lower Upper

139 100

109 156.5 12.7 52.7#

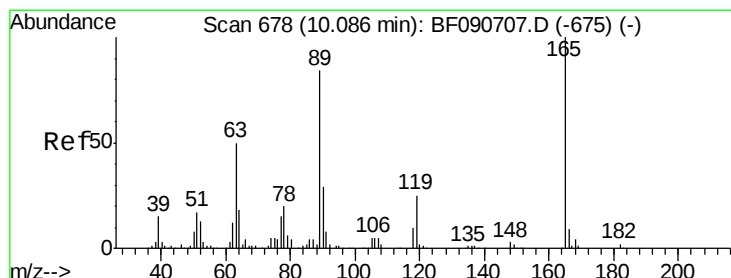
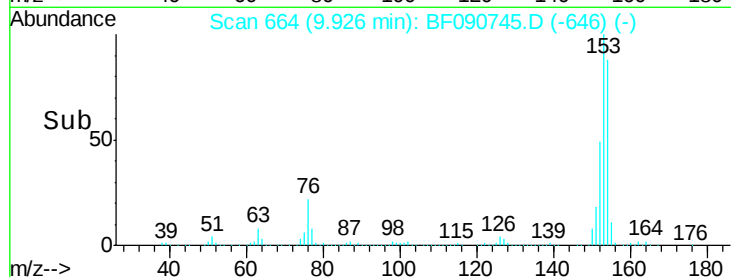
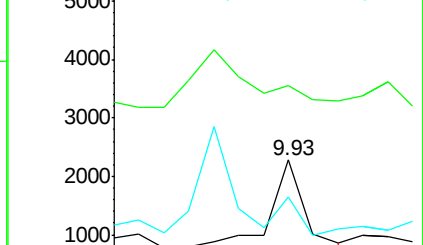
65 72.6 45.9 85.9



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): BF0



#56

2,4-Dinitrotoluene

Concen: 8.29 ng

RT: 9.89 min Scan# 661

Delta R.T. -0.19 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

Tgt Ion:165 Resp: 67543

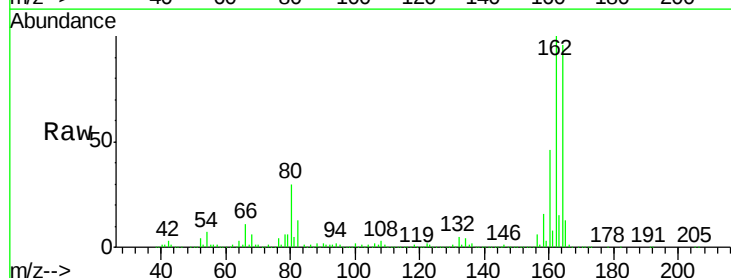
Ion Ratio Lower Upper

165 100

63 1.9 29.8 44.6#

89 1.5 44.5 66.7#

182 0.5 3.0 4.4#

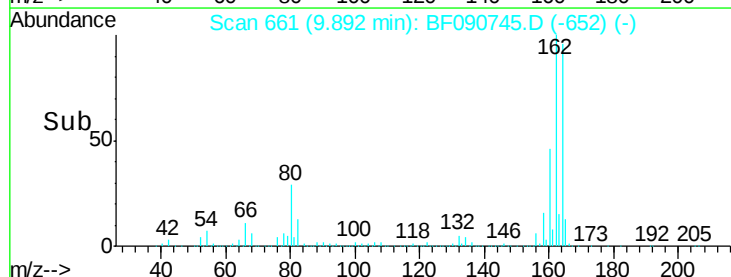
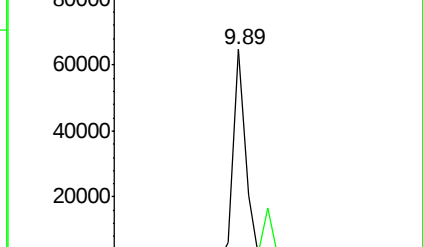


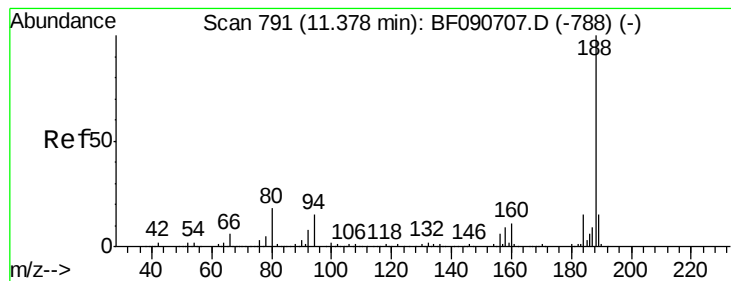
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 791

Delta R.T. -0.01 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

Instrument :

BNA_F

ClientSampleId :

MW-103S

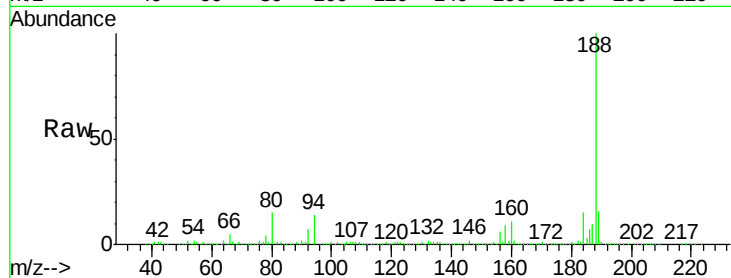
Tgt Ion:188 Resp: 765711

Ion Ratio Lower Upper

188 100

94 13.6 11.1 16.7

80 15.1 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

11.38

800000

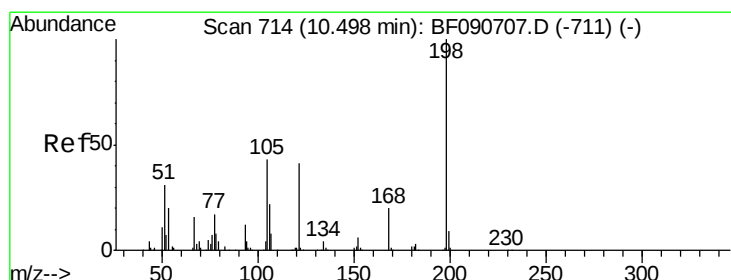
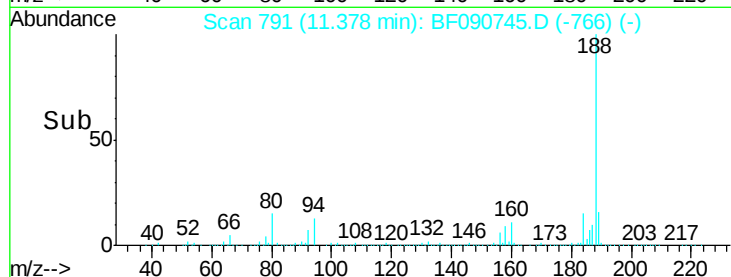
600000

400000

200000

0

Time--> 11.20 11.40 11.60



#64

4,6-Dinitro-2-methylphenol

Concen: 4.50 ng

RT: 10.69 min Scan# 731

Delta R.T. 0.19 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

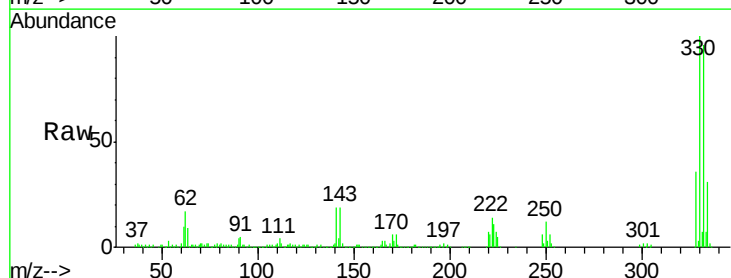
Tgt Ion:198 Resp: 1705

Ion Ratio Lower Upper

198 100

51 169.5 39.6 79.6#

105 286.8 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

4000

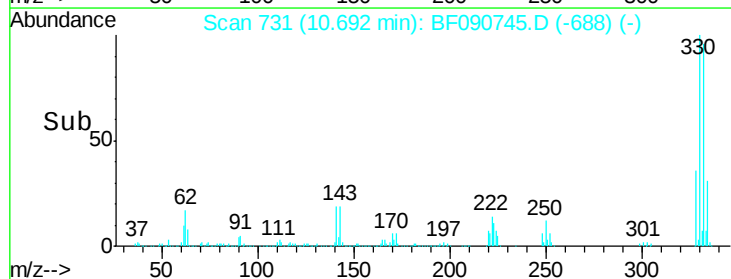
3000

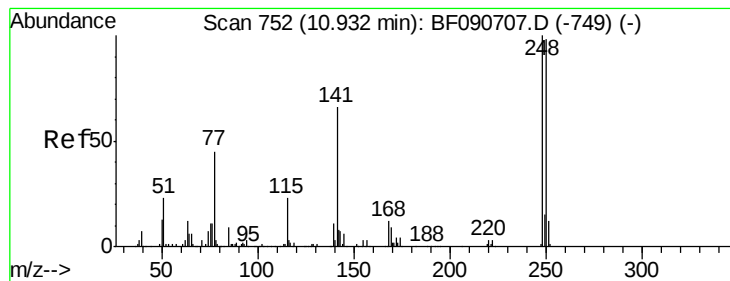
2000

1000

0

Time--> 10.65 10.70





#66

4-Bromophenyl-phenylether

Concen: 5.67 ng

RT: 10.69 min Scan# 731

Delta R.T. -0.24 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

Instrument :

BNA_F

ClientSampleId :

MW-103S

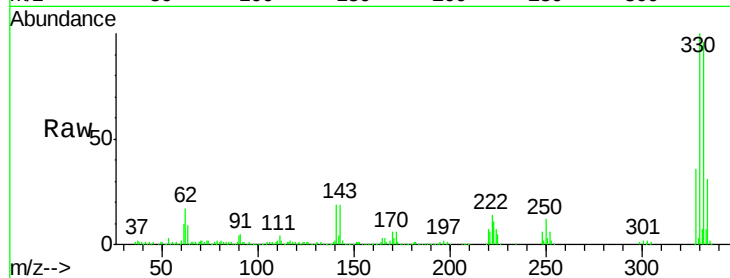
Tgt Ion:248 Resp: 42114

Ion Ratio Lower Upper

248 100

250 203.5 78.5 117.7#

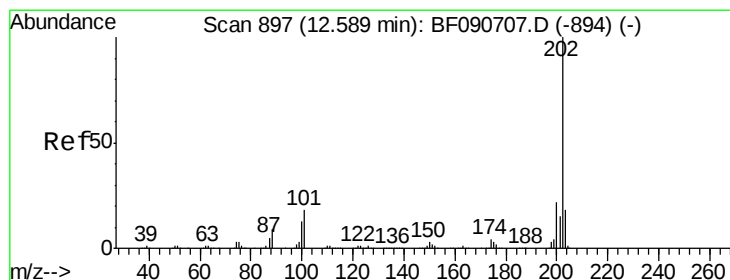
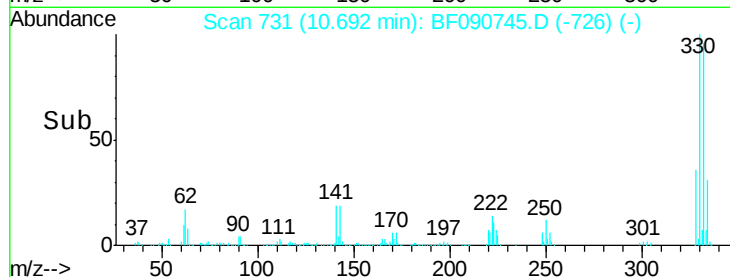
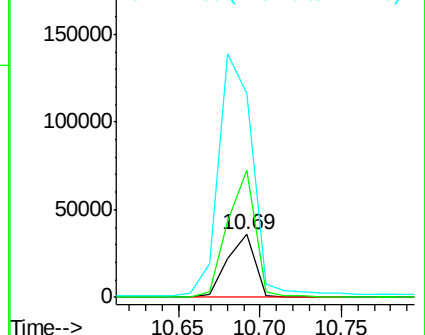
141 325.1 59.0 88.6#



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



#74

Fluoranthene

Concen: 2.51 ng

RT: 12.59 min Scan# 897

Delta R.T. -0.00 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

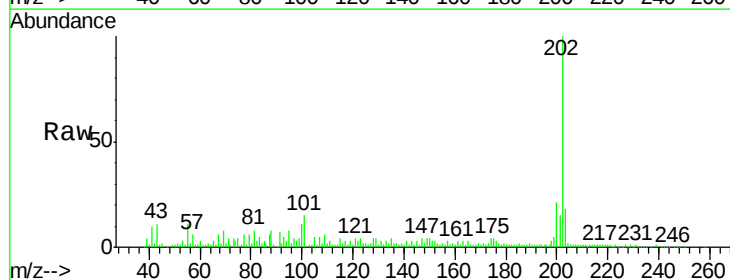
Tgt Ion:202 Resp: 94590

Ion Ratio Lower Upper

202 100

101 15.4 0.0 38.3

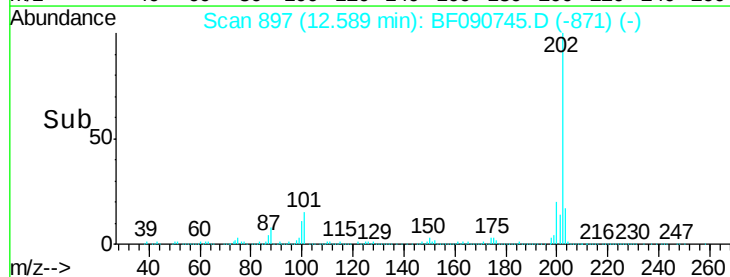
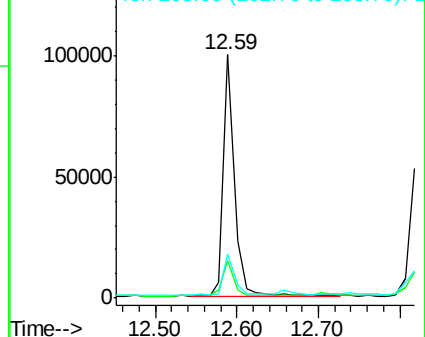
203 17.8 0.0 37.3

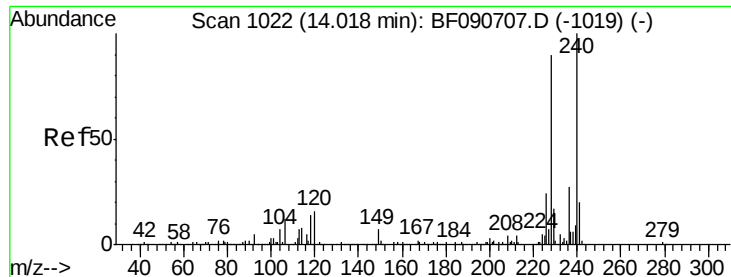


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1022

Delta R.T. -0.00 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

Instrument :

BNA_F

ClientSampleId :

MW-103S

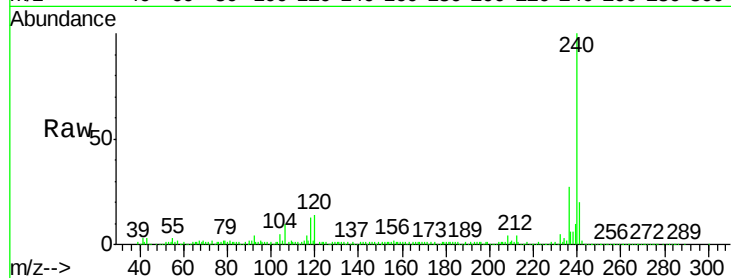
Tgt Ion:240 Resp: 459752

Ion Ratio Lower Upper

240 100

120 14.3 16.2 24.2#

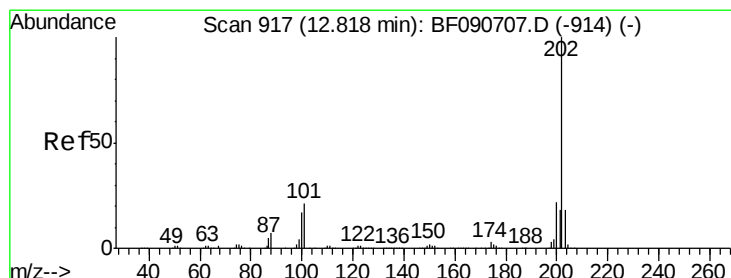
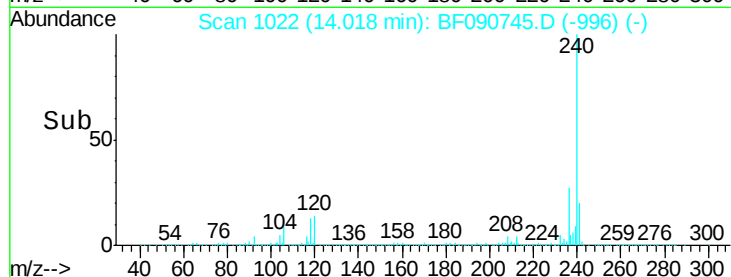
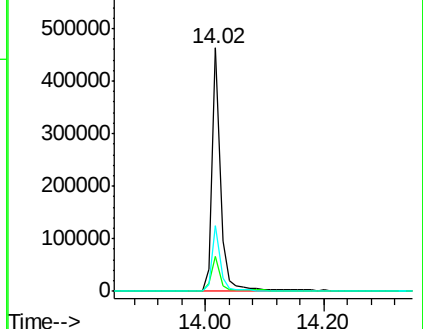
236 27.2 18.4 27.6



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



#77

Pyrene

Concen: 2.95 ng

RT: 12.59 min Scan# 897

Delta R.T. -0.24 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

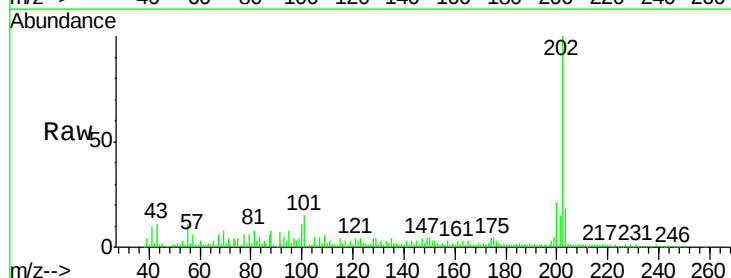
Tgt Ion:202 Resp: 94784

Ion Ratio Lower Upper

202 100

200 20.7 15.0 22.4

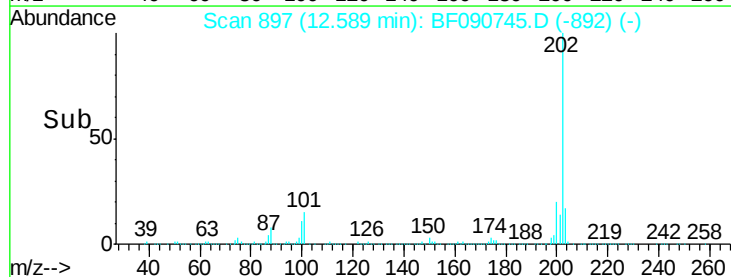
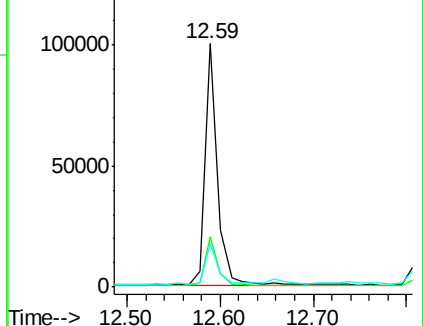
203 17.8 14.1 21.1

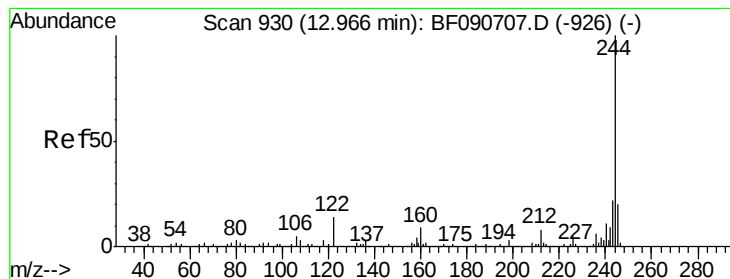


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 95.76 ng

RT: 12.97 min Scan# 930

Delta R.T. 0.00 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

Instrument :

BNA_F

ClientSampleId :

MW-103S

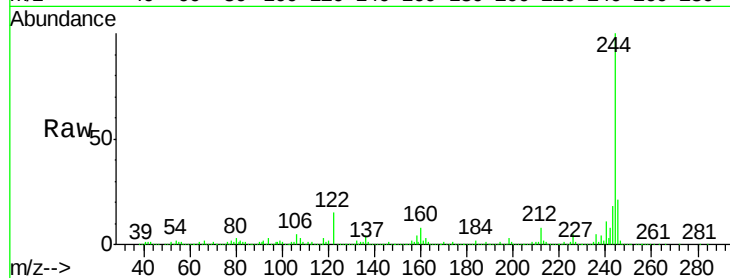
Tgt Ion:244 Resp: 1920869

Ion Ratio Lower Upper

244 100

212 7.8 4.3 6.5#

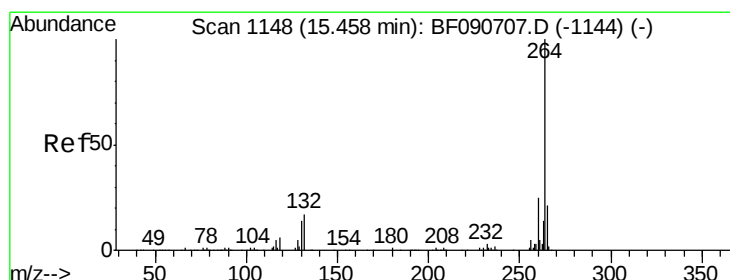
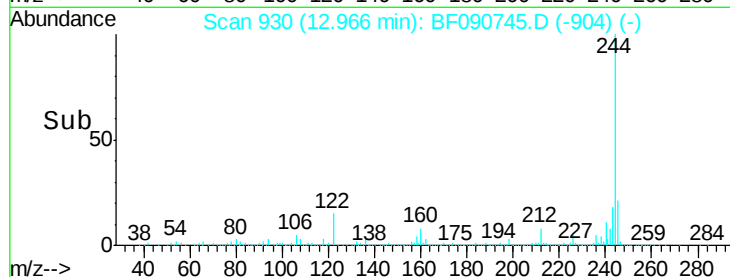
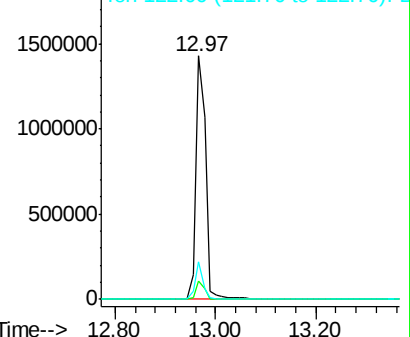
122 15.3 17.4 26.2#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.46 min Scan# 1148

Delta R.T. -0.00 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

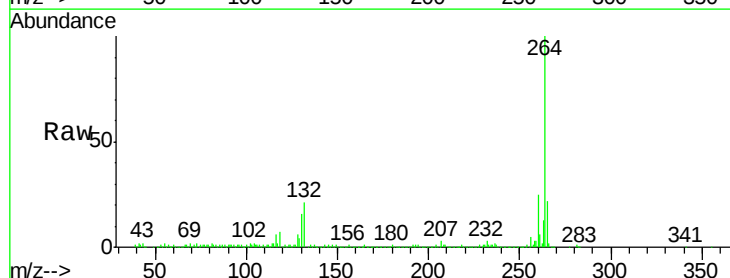
Tgt Ion:264 Resp: 383230

Ion Ratio Lower Upper

264 100

260 24.5 16.7 25.1

265 21.7 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

