

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010417\
 Data File : BF092085.D
 Acq On : 4 Jan 2017 23:14
 Operator : UM/SJ
 Sample : I1004-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-23

Quant Time: Jan 05 00:09:48 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 28 17:32:10 2016
 Response via : Initial Calibration

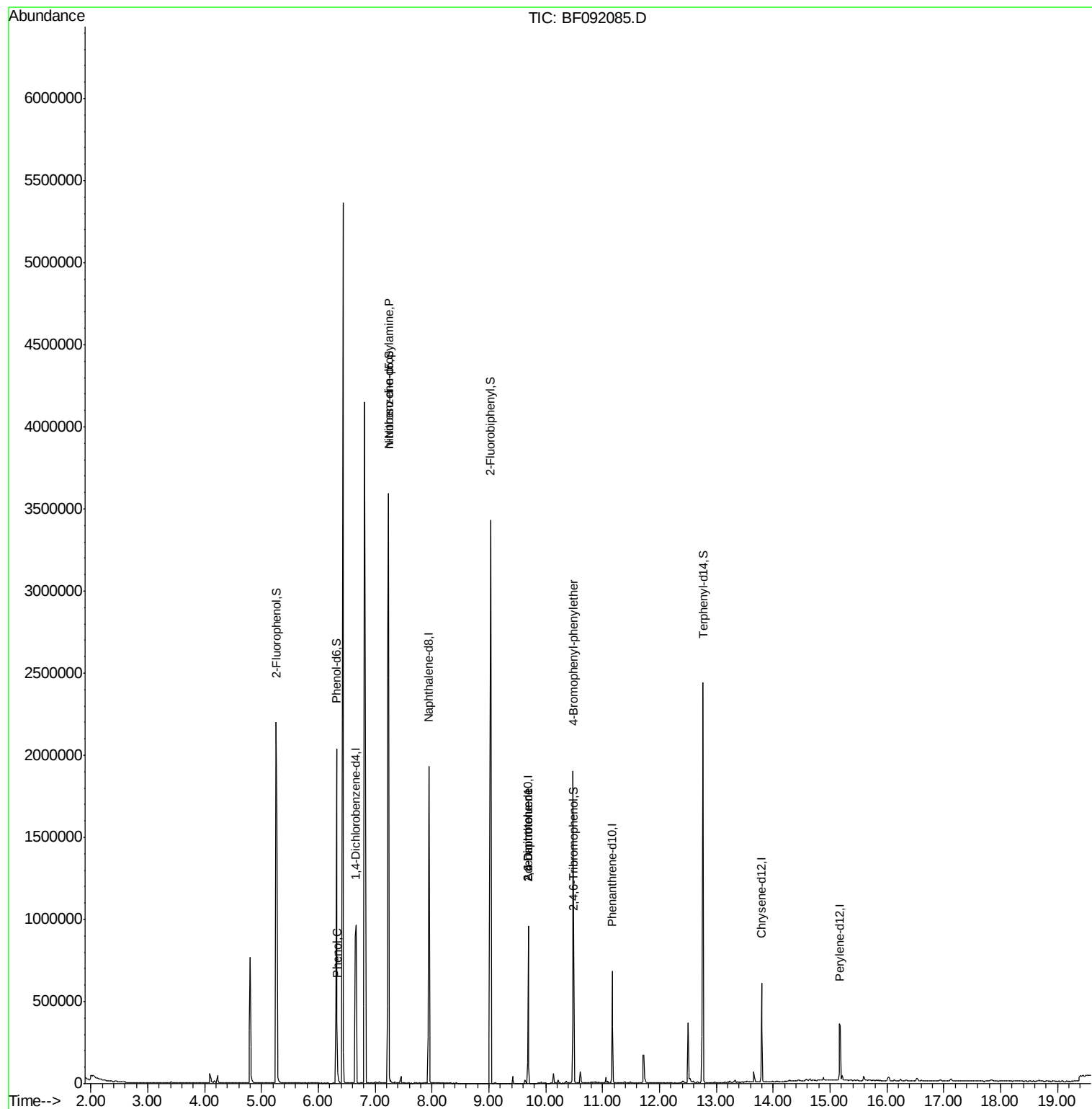
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	219074	20.00	ng	-0.04
21) Naphthalene-d8	7.94	136	861835	20.00	ng	-0.05
38) Acenaphthene-d10	9.69	164	191268	20.00	ng	-0.06
63) Phenanthrene-d10	11.17	188	289374	20.00	ng	-0.06
75) Chrysene-d12	13.80	240	240617	20.00	ng	-0.07
86) Perylene-d12	15.18	264	198876	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	832010	63.41	ng	-0.06
7) Phenol-d6	6.32	99	676491	42.23	ng	-0.06
23) Nitrobenzene-d5	7.24	82	1611739	103.99	ng	-0.05
41) 2,4,6-Tribromophenol	10.49	330	268379	169.55	ng	-0.05
44) 2-Fluorobiphenyl	9.03	172	1268391	144.98	ng	-0.05
78) Terphenyl-d14	12.77	244	1097793	110.65	ng	-0.05
Target Compounds						
9) Benzaldehyde	6.32	77	1727	Below Cal	#	1
10) Phenol	6.33	94	74304	4.07 ng	#	69
19) n-Nitroso-di-n-propylamine	7.24	70	213266	20.01 ng	#	71
50) 2,6-Dinitrotoluene	9.69	165	24799	9.26 ng	#	30
56) 2,4-Dinitrotoluene	9.69	165	24799	7.38 ng	#	19
66) 4-Bromophenyl-phenylether	10.48	248	15112	5.02 ng	#	1
71) Anthracene	11.19	178	215	Below Cal	#	59
73) Di-n-butylphthalate	11.75	149	3489	Below Cal	#	88

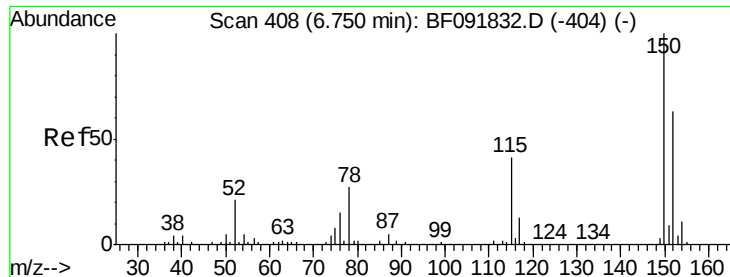
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 418

Delta R.T. -0.04 min

Lab File: BF092085.D

Acq: 4 Jan 2017 23:14

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MW-23

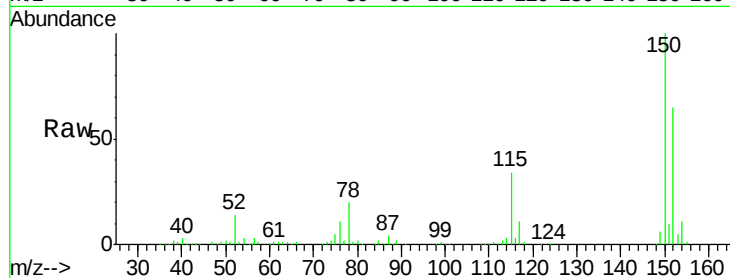
Tgt Ion:152 Resp: 219074

Ion Ratio Lower Upper

152 100

150 153.8 124.9 187.3

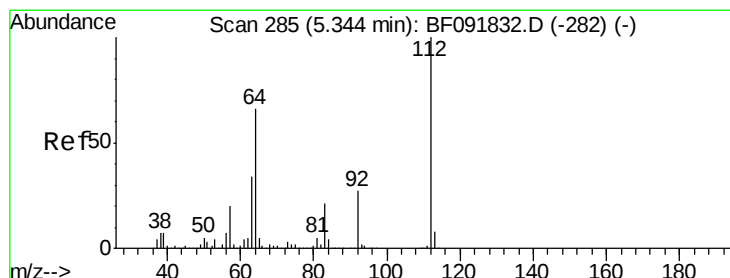
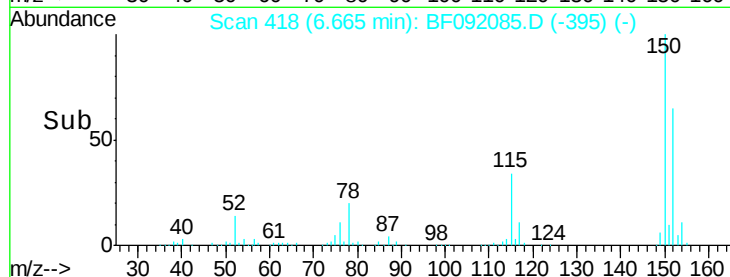
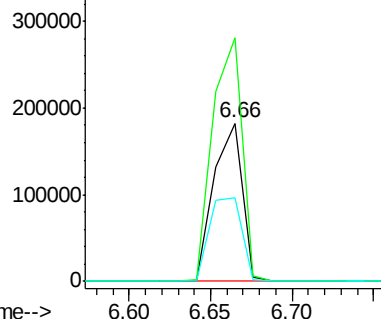
115 52.9 46.0 69.0



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: 63.41 ng

RT: 5.26 min Scan# 295

Delta R.T. -0.06 min

Lab File: BF092085.D

Acq: 4 Jan 2017 23:14

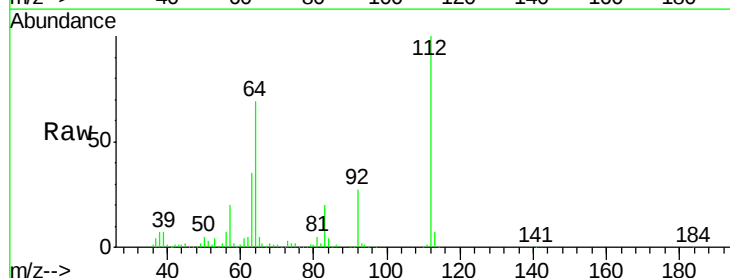
Tgt Ion:112 Resp: 832010

Ion Ratio Lower Upper

112 100

64 69.4 46.1 69.1#

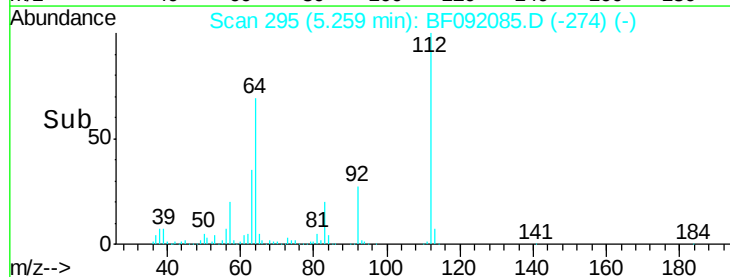
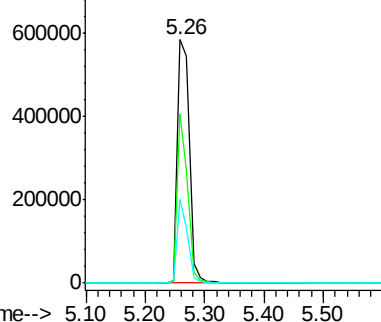
63 34.6 23.8 35.6



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: 42.23 ng

RT: 6.32 min Scan# 388

Delta R.T. -0.06 min

Lab File: BF092085.D

Acq: 4 Jan 2017 23:14

Instrument :

BNA_F

ClientSampleId :

MW-23

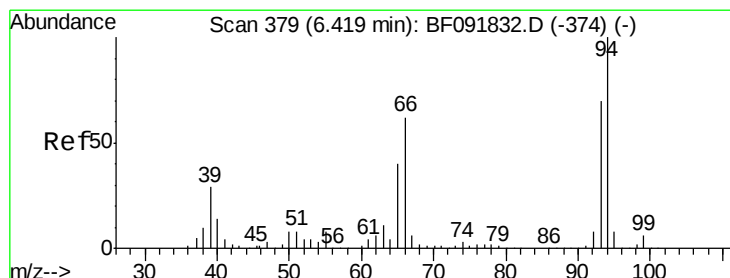
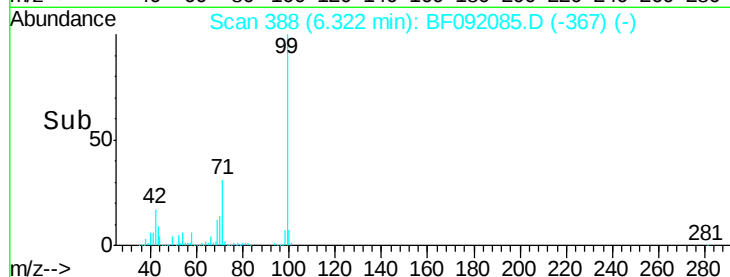
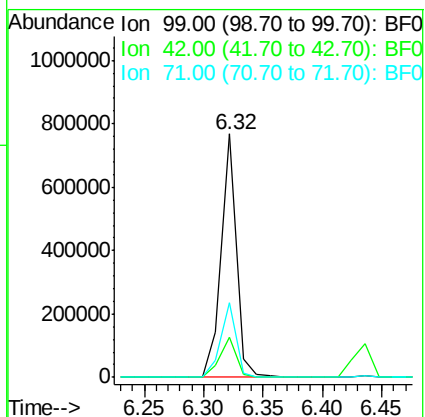
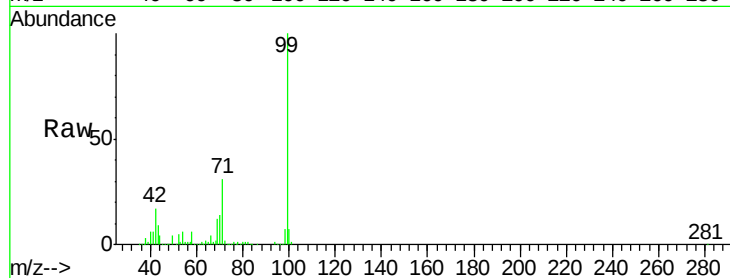
Tgt Ion: 99 Resp: 676491

Ion Ratio Lower Upper

99 100

42 16.5 15.6 23.4

71 30.8 27.5 41.3



#10

Phenol

Concen: 4.07 ng

RT: 6.33 min Scan# 389

Delta R.T. -0.06 min

Lab File: BF092085.D

Acq: 4 Jan 2017 23:14

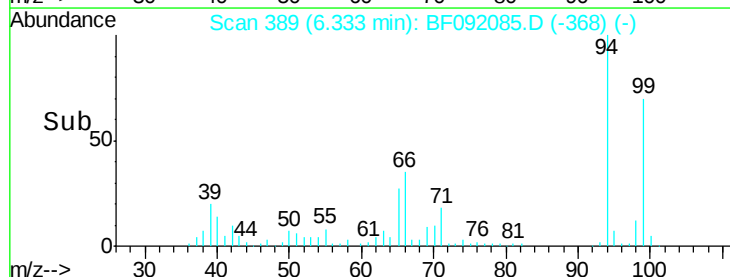
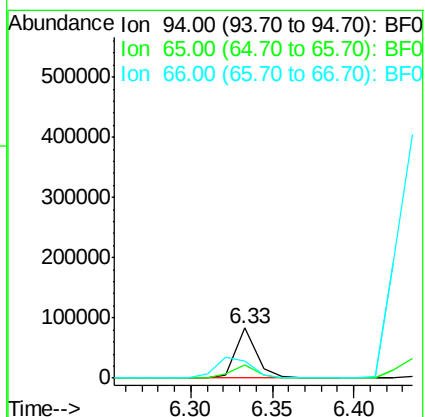
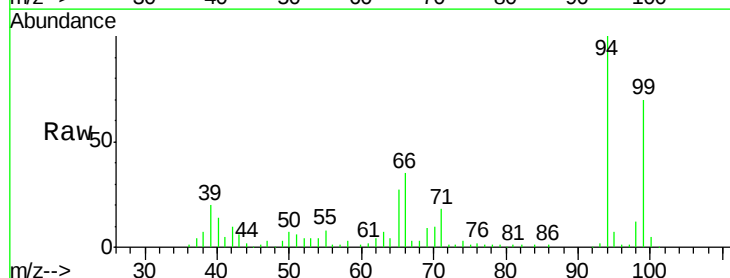
Tgt Ion: 94 Resp: 74304

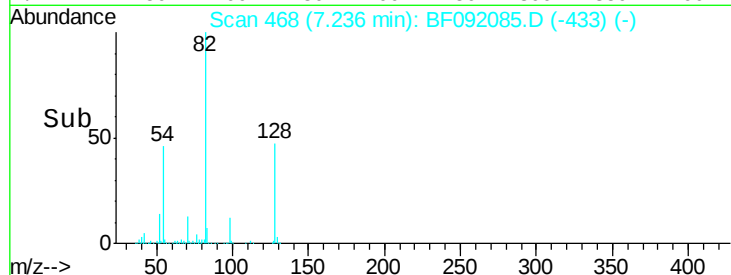
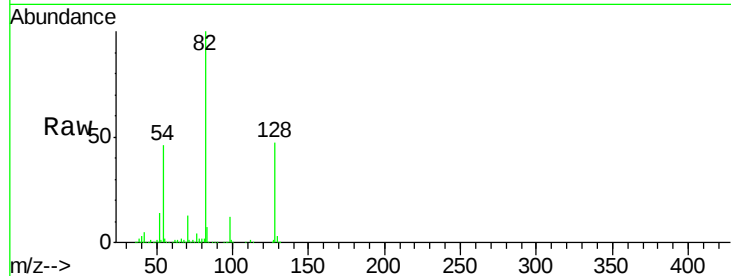
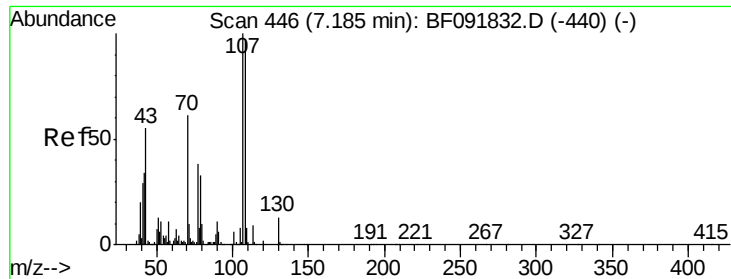
Ion Ratio Lower Upper

94 100

65 27.3 21.4 61.4

66 35.0 44.0 84.0#

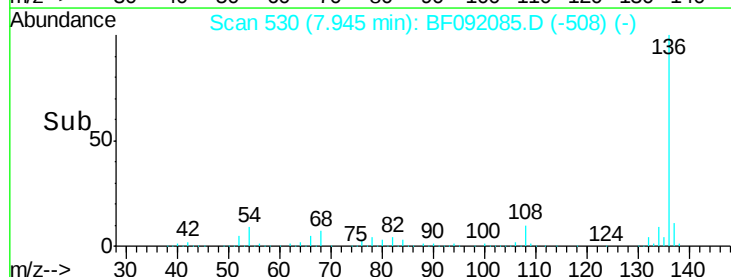
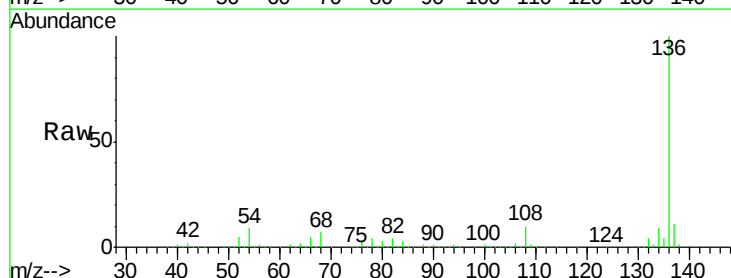
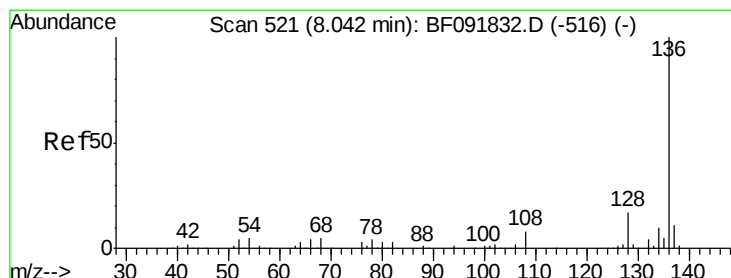
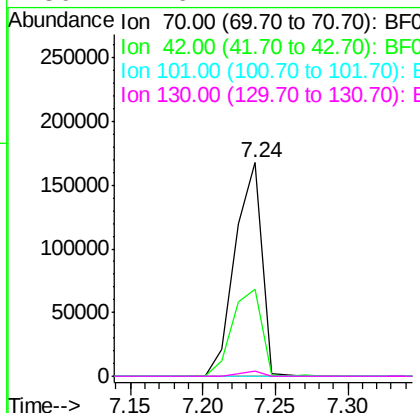




#19
n-Nitroso-di-n-propylamine
Concen: 20.01 ng
RT: 7.24 min Scan# 468
Delta R.T. 0.10 min
Lab File: BF092085.D
Acq: 4 Jan 2017 23:14

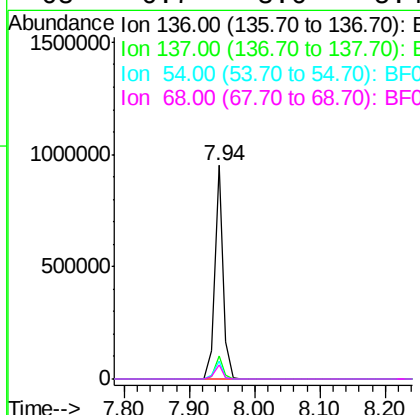
Instrument :
BNA_F
ClientSampleId :
MW-23

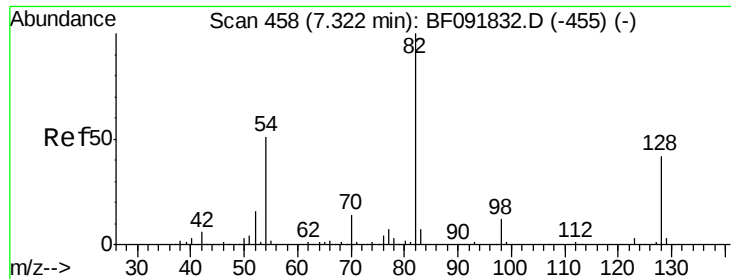
Tgt Ion: 70 Resp: 213266
Ion Ratio Lower Upper
70 100
42 40.6 49.4 74.0#
101 0.0 7.4 11.2#
130 2.6 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.94 min Scan# 530
Delta R.T. -0.05 min
Lab File: BF092085.D
Acq: 4 Jan 2017 23:14

Tgt Ion: 136 Resp: 861835
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 8.5 4.5 6.7#
68 6.7 3.6 5.4#

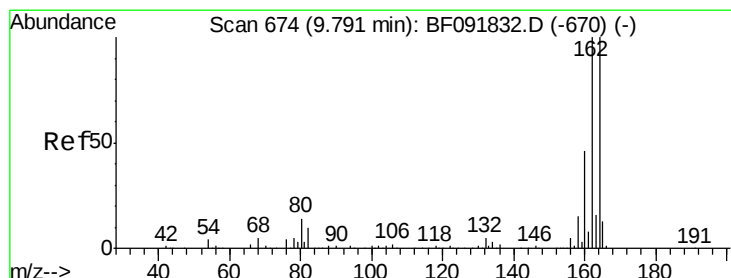
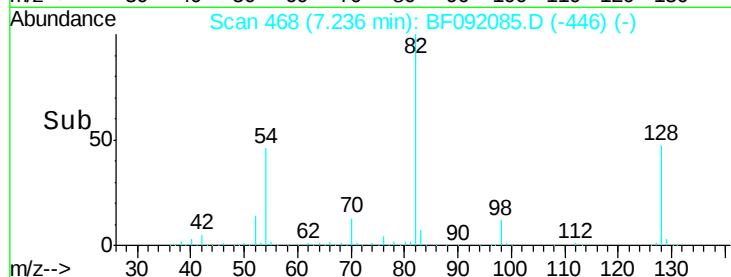
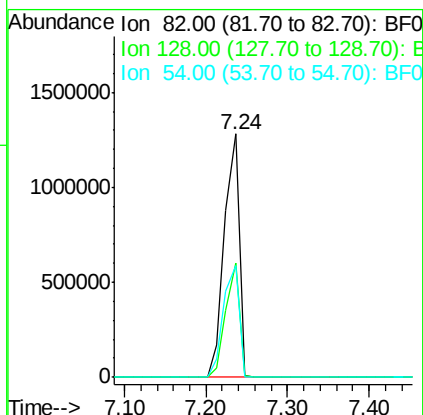
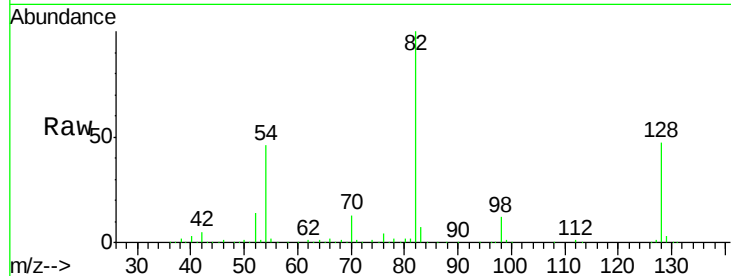




#23
 Nitrobenzene-d5
 Concen: 103.99 ng
 RT: 7.24 min Scan# 468
 Delta R.T. -0.05 min
 Lab File: BF092085.D
 Acq: 4 Jan 2017 23:14

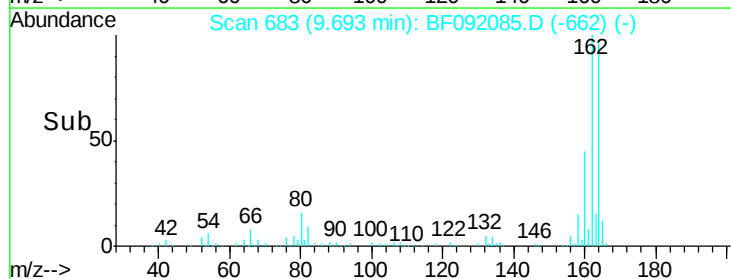
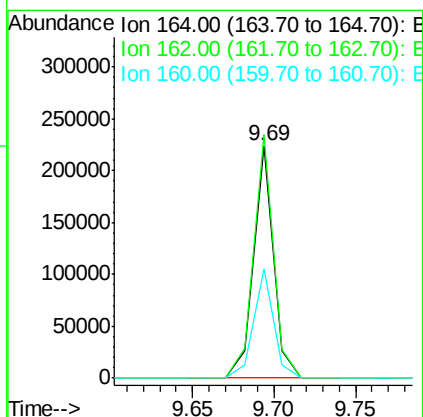
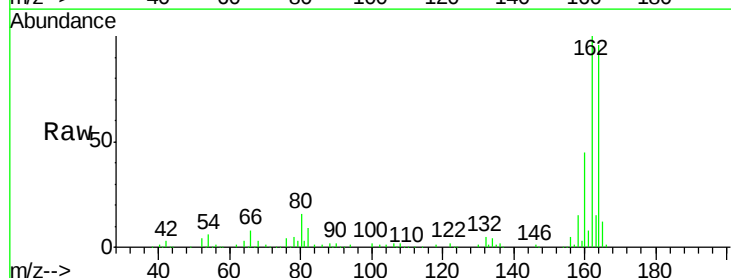
Instrument :
 BNA_F
 ClientSampleId :
 MW-23

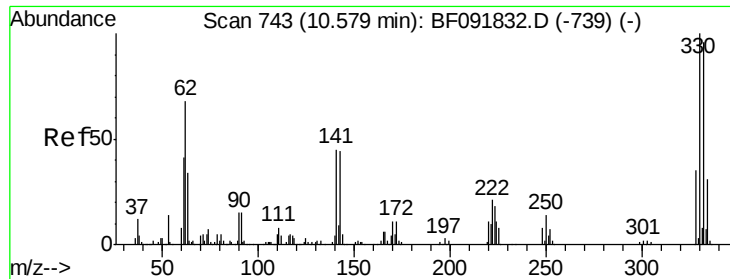
Tgt Ion: 82 Resp: 1611739
 Ion Ratio Lower Upper
 82 100
 128 46.9 34.6 52.0
 54 45.8 39.5 59.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.69 min Scan# 683
 Delta R.T. -0.06 min
 Lab File: BF092085.D
 Acq: 4 Jan 2017 23:14

Tgt Ion: 164 Resp: 191268
 Ion Ratio Lower Upper
 164 100
 162 104.7 80.2 120.2
 160 47.0 36.9 55.3

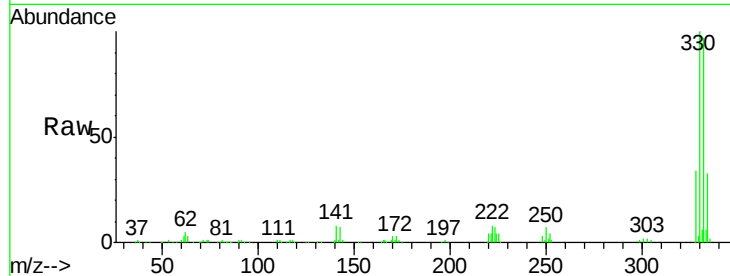




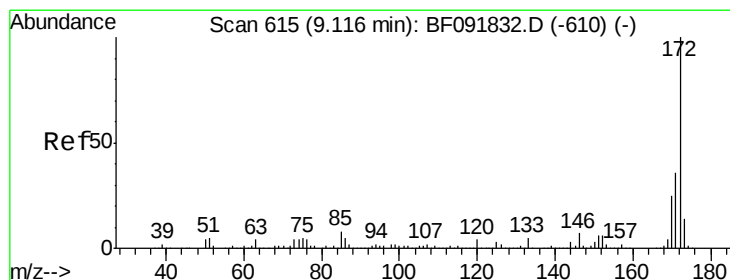
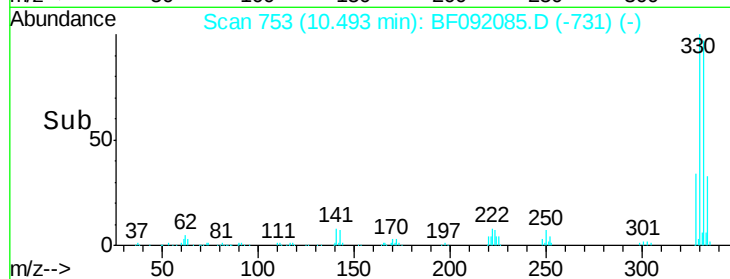
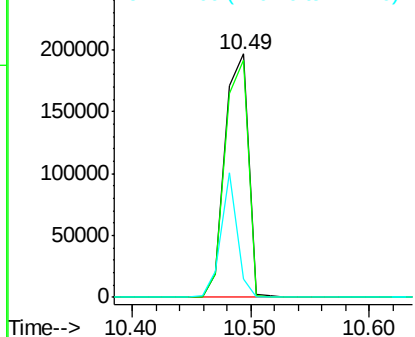
#41
 2,4,6-Tribromophenol
 Concen: 169.55 ng
 RT: 10.49 min Scan# 753
 Delta R.T. -0.05 min
 Lab File: BF092085.D
 Acq: 4 Jan 2017 23:14

Instrument :
 BNA_F
 ClientSampled :
 MW-23

Tgt Ion:330 Resp: 268379
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.4 116.2
 141 35.3 34.1 51.1

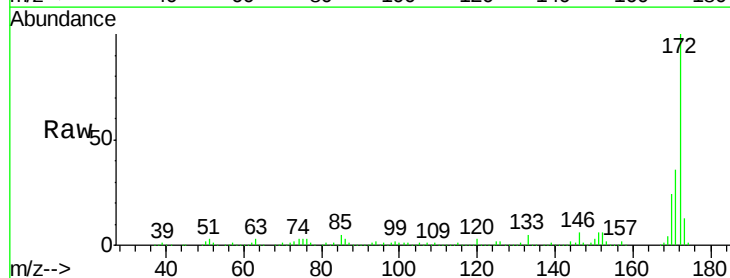


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

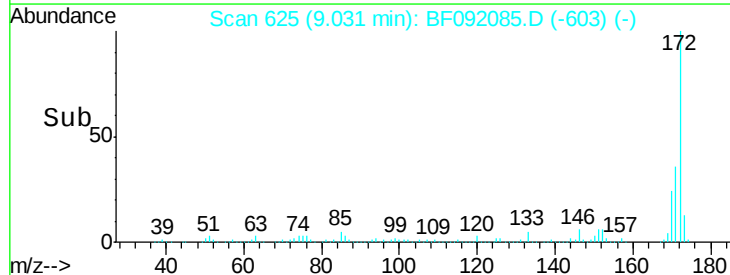
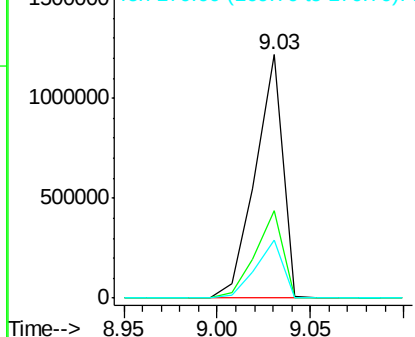


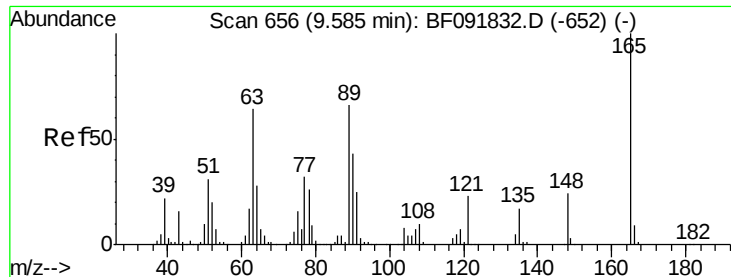
#44
 2-Fluorobiphenyl
 Concen: 144.98 ng
 RT: 9.03 min Scan# 625
 Delta R.T. -0.05 min
 Lab File: BF092085.D
 Acq: 4 Jan 2017 23:14

Tgt Ion:172 Resp: 1268391
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.4 44.0
 170 23.9 20.2 30.4



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

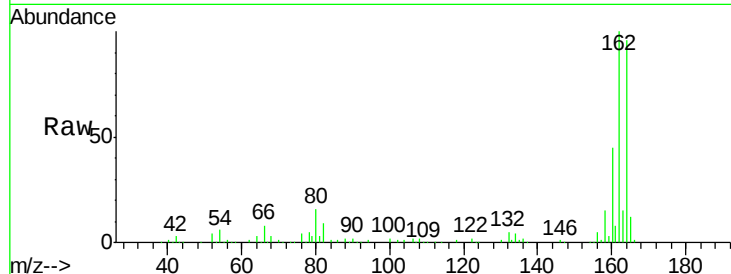




#50
 2,6-Dinitrotoluene
 Concen: 9.26 ng
 RT: 9.69 min Scan# 683
 Delta R.T. 0.14 min
 Lab File: BF092085.D
 Acq: 4 Jan 2017 23:14

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 ClientSampleId :
 MW-23

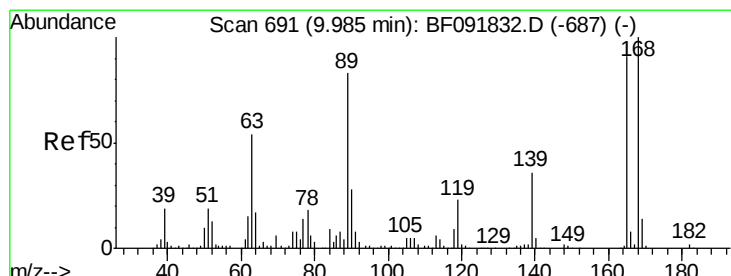
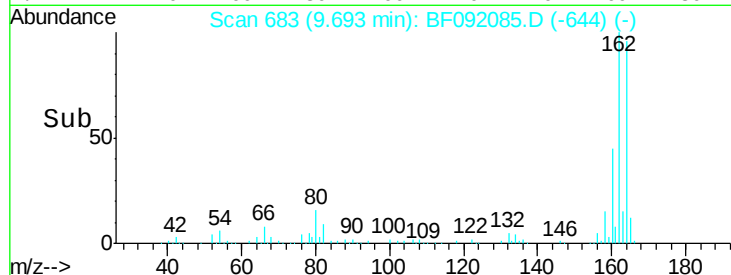
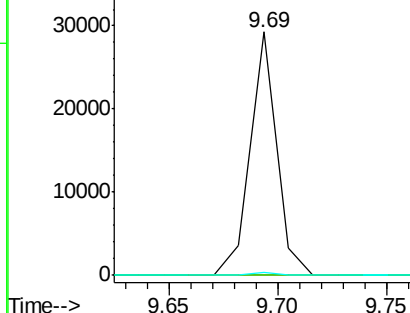
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.2	54.4#
89	1.4	40.2	60.4#



Abundance Ion 165.00 (164.70 to 165.70): E

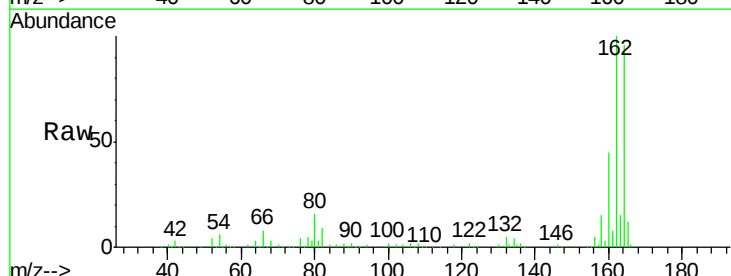
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 7.38 ng
 RT: 9.69 min Scan# 683
 Delta R.T. -0.26 min
 Lab File: BF092085.D
 Acq: 4 Jan 2017 23:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.2	60.4#
89	1.4	62.5	93.7#
182	0.0	1.8	2.8#

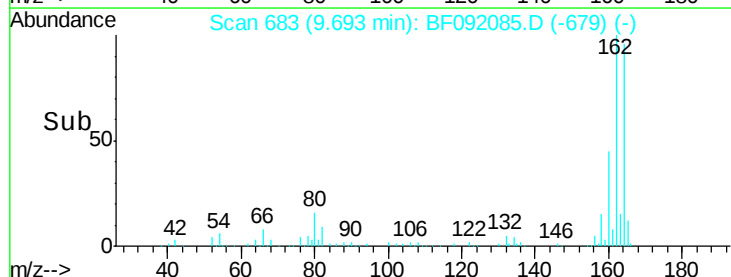
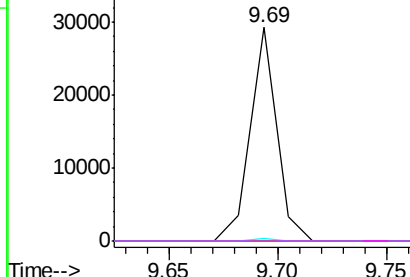


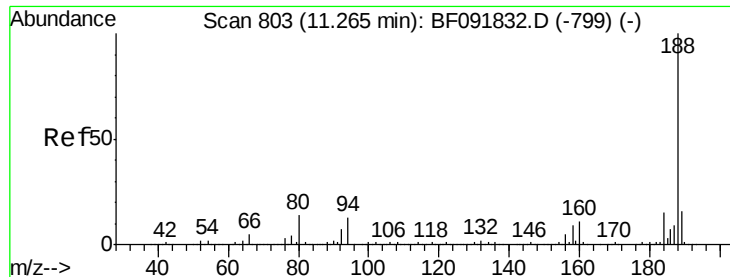
Abundance Ion 165.00 (164.70 to 165.70): E

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

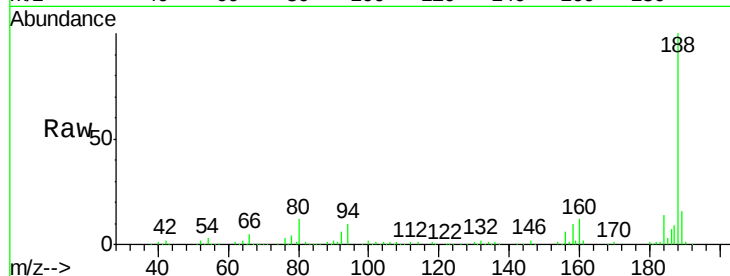




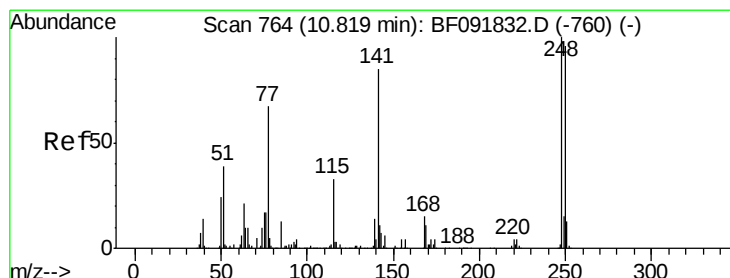
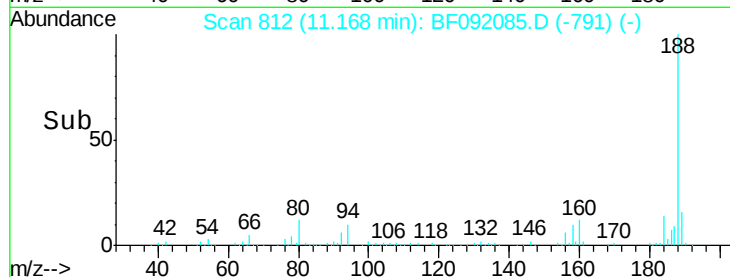
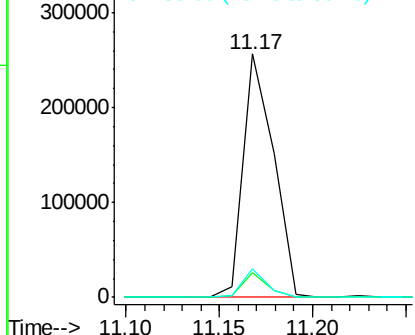
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.17 min Scan# 812
 Delta R.T. -0.06 min
 Lab File: BF092085.D
 Acq: 4 Jan 2017 23:14

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:188 Resp: 289374
 Ion Ratio Lower Upper
 188 100
 94 10.3 10.0 15.0
 80 11.5 11.2 16.8

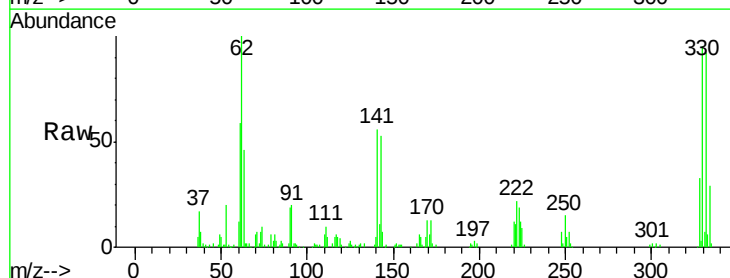


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

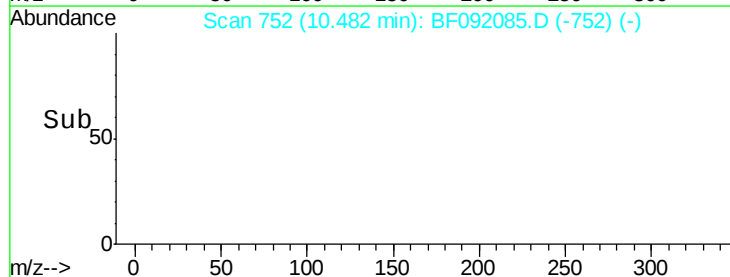
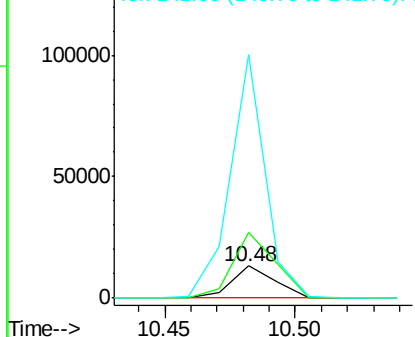


#66
 4-Bromophenyl-phenylether
 Concen: 5.02 ng
 RT: 10.48 min Scan# 752
 Delta R.T. -0.30 min
 Lab File: BF092085.D
 Acq: 4 Jan 2017 23:14

Tgt Ion:248 Resp: 15112
 Ion Ratio Lower Upper
 248 100
 250 201.7 76.9 115.3#
 141 753.7 68.2 102.4#



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





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.75 min Scan# 863

Delta R.T. -0.05 min

Lab File: BF092085.D

Acq: 4 Jan 2017 23:14

Instrument :

BNA_F

ClientSampleId :

MW-23

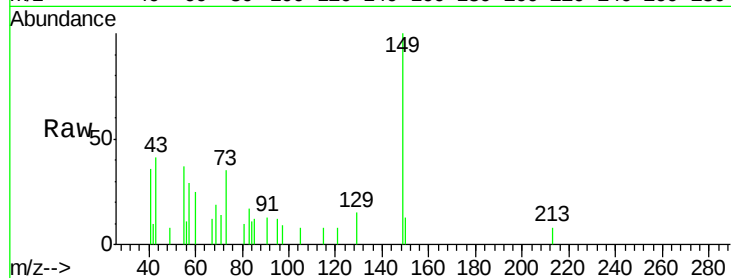
Tgt Ion:149 Resp: 3489

Ion Ratio Lower Upper

149 100

150 13.4 8.1 12.1#

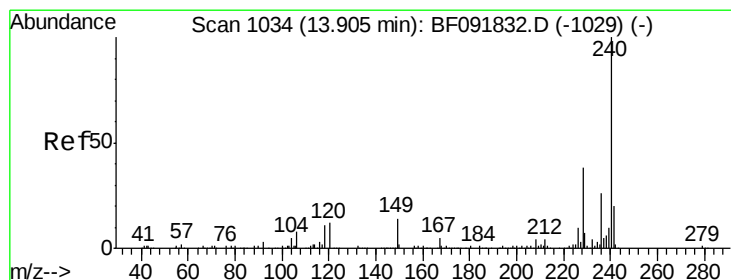
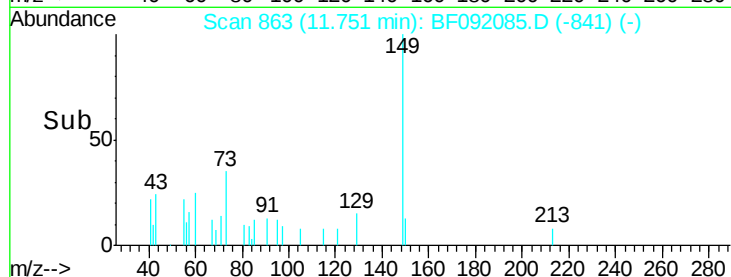
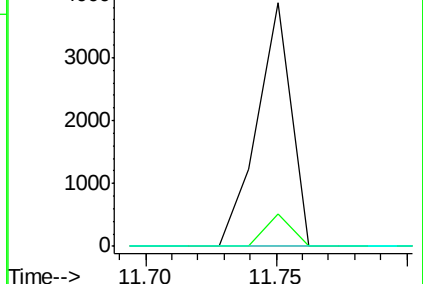
104 0.0 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.80 min Scan# 1042

Delta R.T. -0.07 min

Lab File: BF092085.D

Acq: 4 Jan 2017 23:14

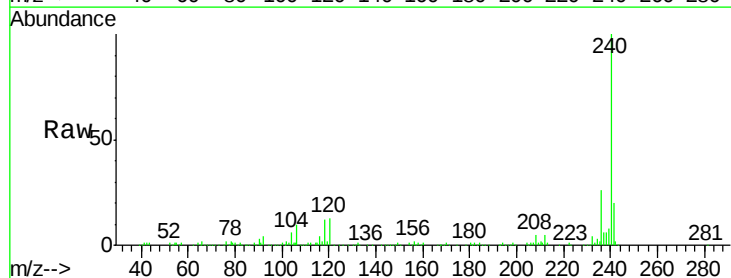
Tgt Ion:240 Resp: 240617

Ion Ratio Lower Upper

240 100

120 12.7 12.9 19.3#

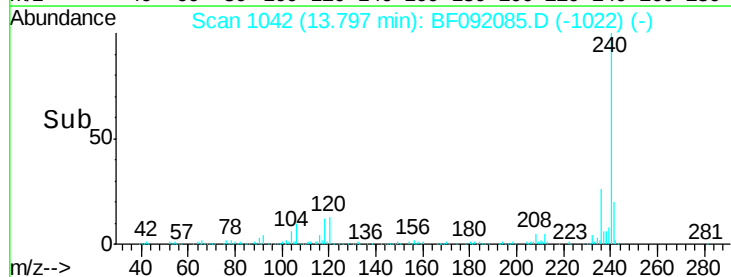
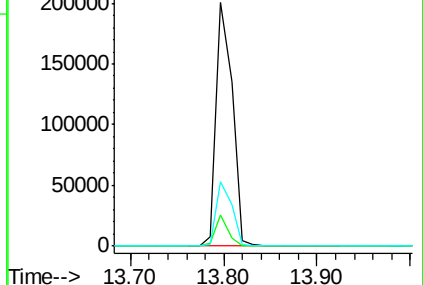
236 26.3 20.9 31.3

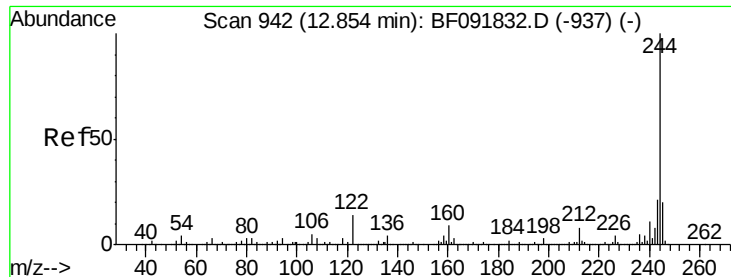


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 110.65 ng

RT: 12.77 min Scan# 952

Delta R.T. -0.05 min

Lab File: BF092085.D

Acq: 4 Jan 2017 23:14

Instrument :

BNA_F

ClientSampleId :

MW-23

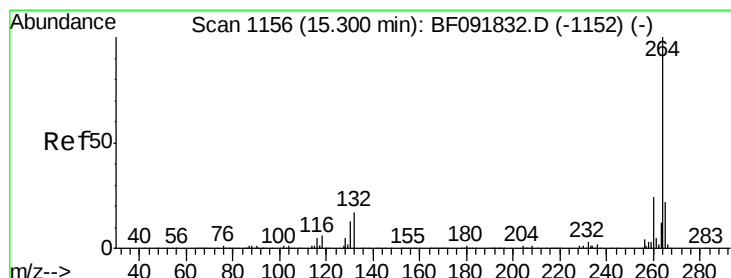
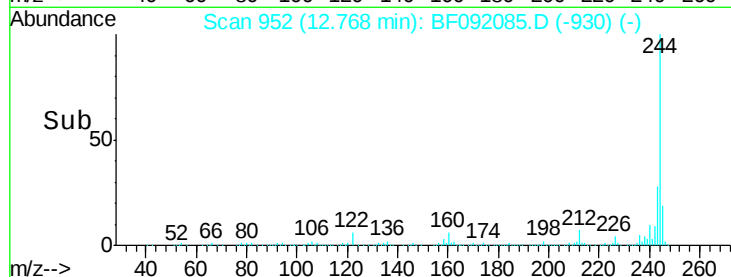
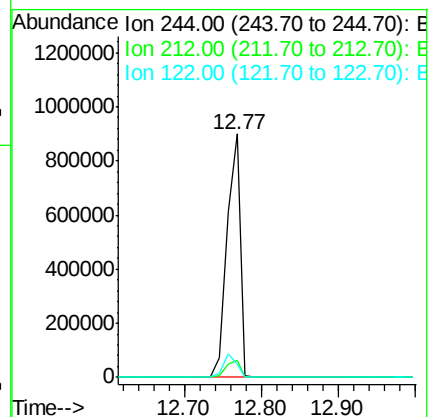
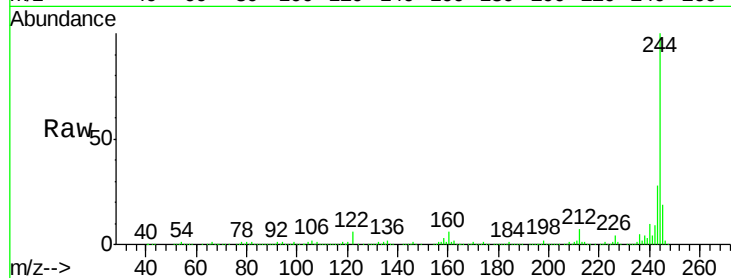
Tgt Ion:244 Resp: 1097793

Ion Ratio Lower Upper

244 100

212 6.9 6.2 9.2

122 5.6 11.4 17.2#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.18 min Scan# 1163

Delta R.T. -0.07 min

Lab File: BF092085.D

Acq: 4 Jan 2017 23:14

Tgt Ion:264 Resp: 198876

Ion Ratio Lower Upper

264 100

260 25.3 19.2 28.8

265 20.0 17.4 26.0

