

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122716\
 Data File : BF091973.D
 Acq On : 27 Dec 2016 17:47
 Operator : UM/SJ
 Sample : H6241-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-3

Quant Time: Dec 28 00:00:01 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	294946	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	1231903	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	620840	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	1015211	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	782792	20.00	ng	-0.02
86) Perylene-d12	15.29	264	529433	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	1269663	71.88	ng	0.01
7) Phenol-d6	6.40	99	1194217	55.37	ng	-0.01
23) Nitrobenzene-d5	7.30	82	1833938	82.78	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	662154	128.88	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	3216765	109.95	ng	-0.01
78) Terphenyl-d14	12.84	244	2557593	79.24	ng	-0.01

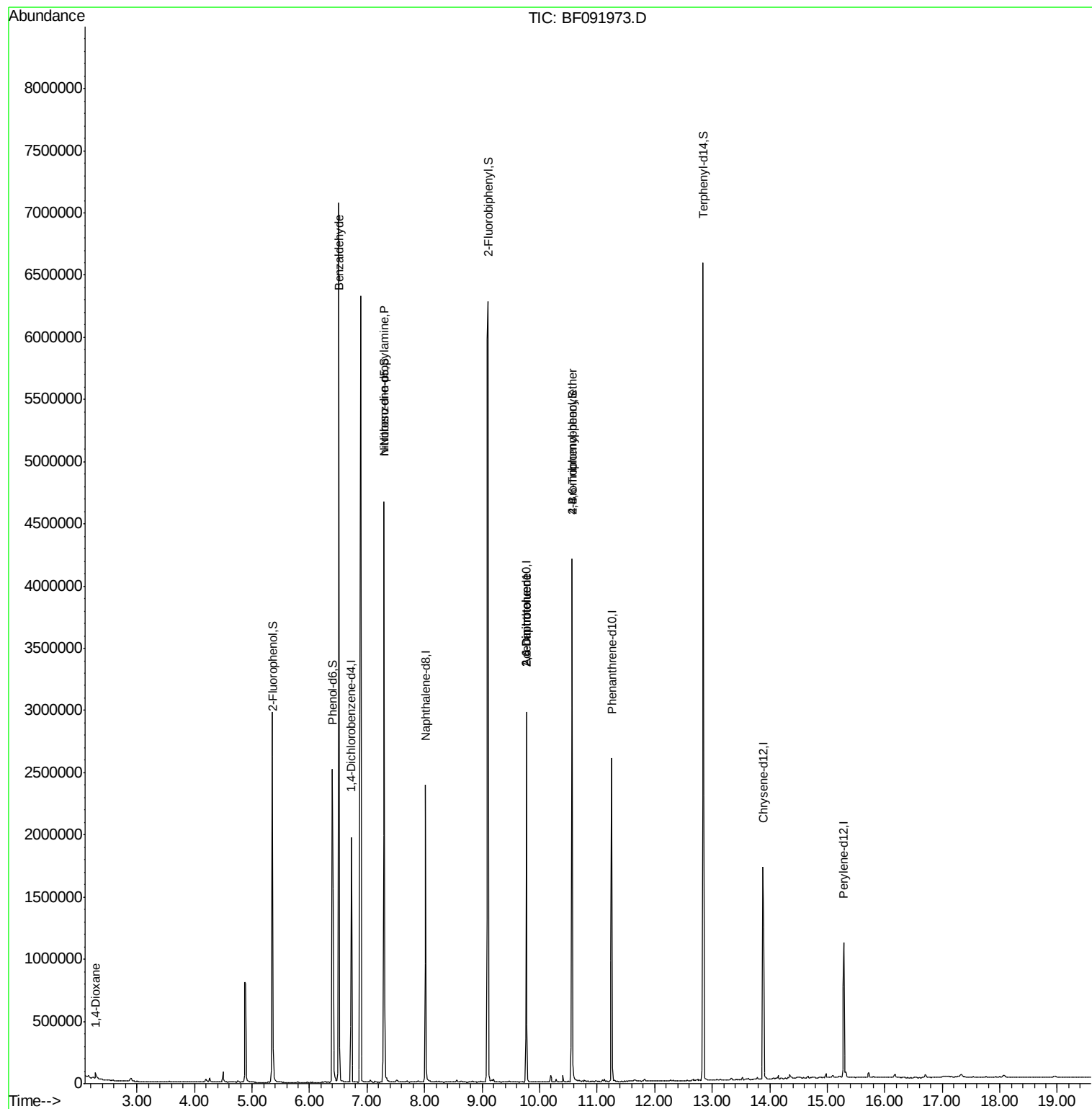
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.28	88	27116	3.12	ng	# 94
9) Benzaldehyde	6.51	77	51183	2.95	ng	# 71
19) n-Nitroso-di-n-propylamine	7.30	70	243829	16.99	ng	# 76
50) 2,6-Dinitrotoluene	9.77	165	82438	9.49	ng	# 30
56) 2,4-Dinitrotoluene	9.77	165	82441	7.56	ng	# 19
66) 4-Bromophenyl-phenylether	10.57	248	43867	4.15	ng	# 1
71) Anthracene	11.28	178	1322	Below Cal		# 59
73) Di-n-butylphthalate	11.82	149	10248	Below Cal		# 96
74) Fluoranthene	12.46	202	481	Below Cal		61

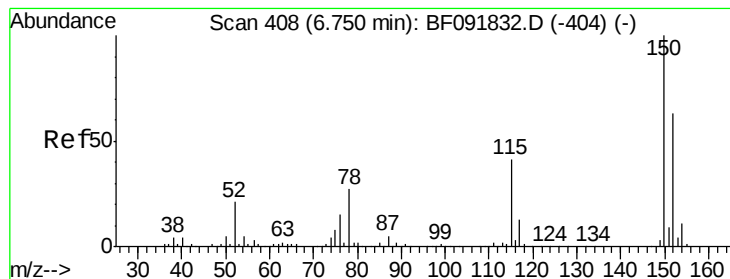
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF091973.D

Acq: 27 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

MW-3

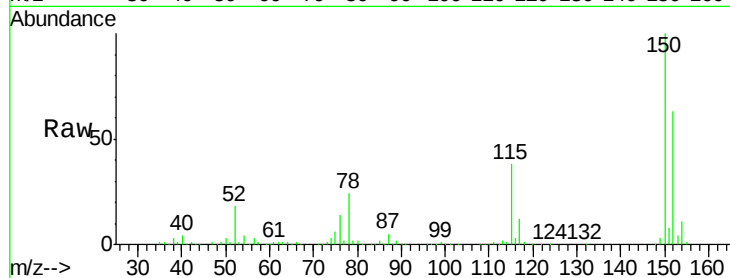
Tgt Ion:152 Resp: 294946

Ion Ratio Lower Upper

152 100

150 158.7 124.9 187.3

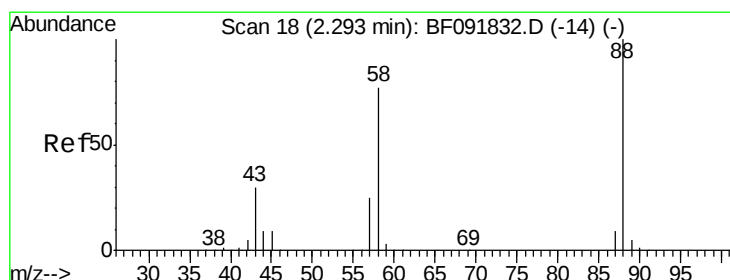
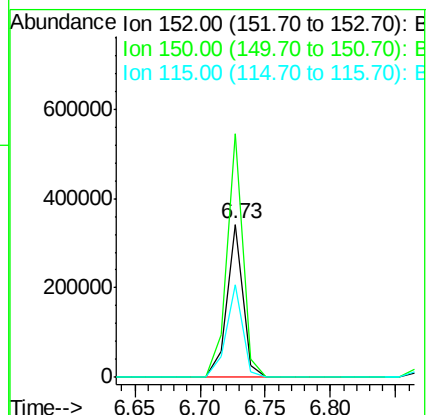
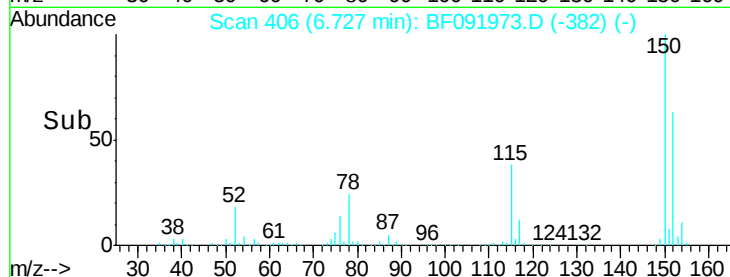
115 60.3 46.0 69.0



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



#2

1,4-Dioxane

Concen: 3.12 ng

RT: 2.28 min Scan# 17

Delta R.T. -0.01 min

Lab File: BF091973.D

Acq: 27 Dec 2016 17:47

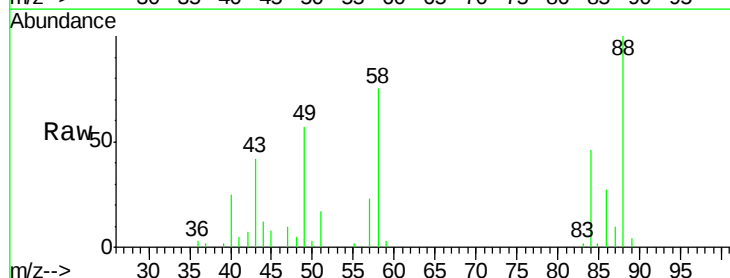
Tgt Ion: 88 Resp: 27116

Ion Ratio Lower Upper

88 100

58 69.7 57.8 86.8

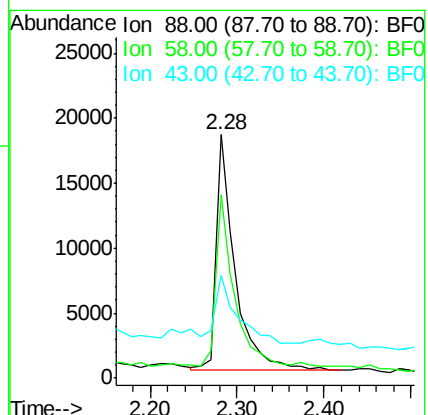
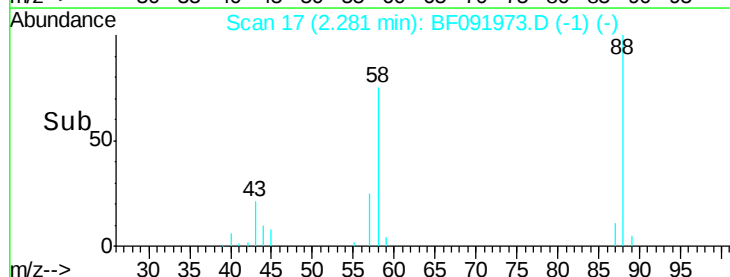
43 34.2 22.3 33.5#

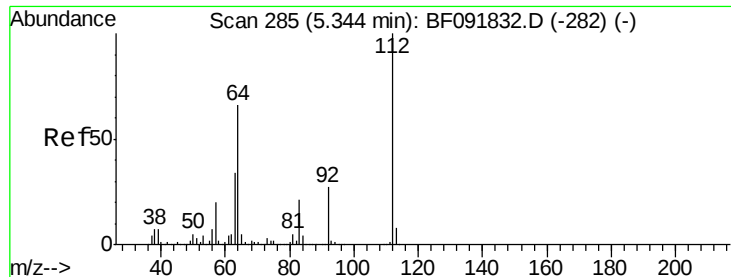


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 71.88 ng

RT: 5.36 min Scan# 286

Delta R.T. 0.01 min

Lab File: BF091973.D

Acq: 27 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

MW-3

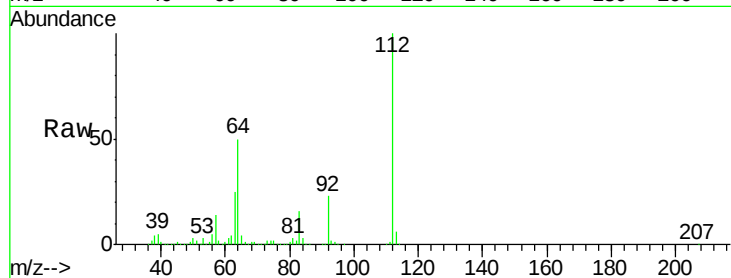
Tgt Ion: 112 Resp: 1269663

Ion Ratio Lower Upper

112 100

64 49.9 46.1 69.1

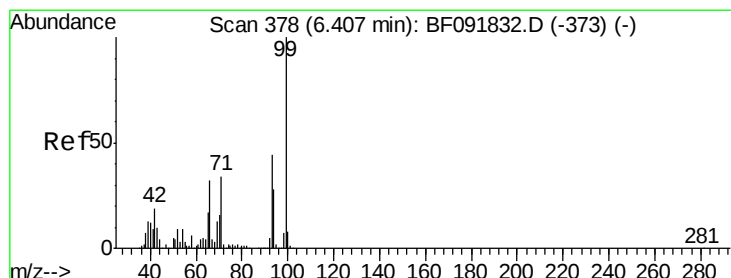
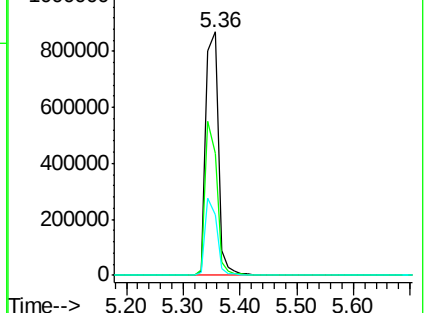
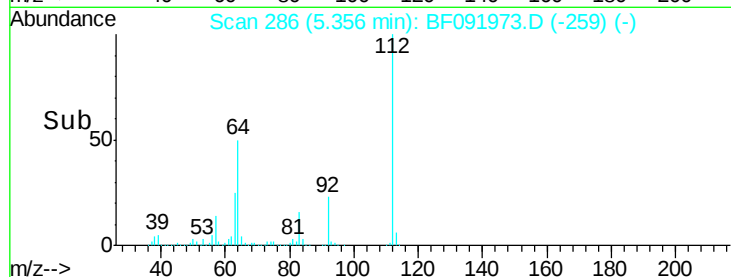
63 24.9 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 55.37 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF091973.D

Acq: 27 Dec 2016 17:47

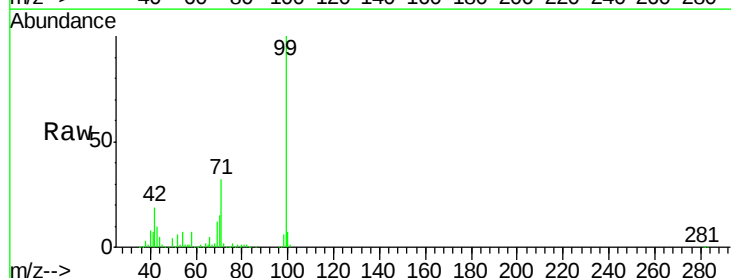
Tgt Ion: 99 Resp: 1194217

Ion Ratio Lower Upper

99 100

42 18.8 15.6 23.4

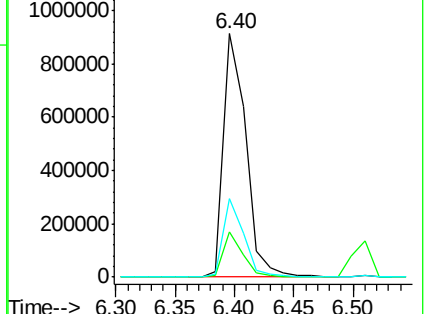
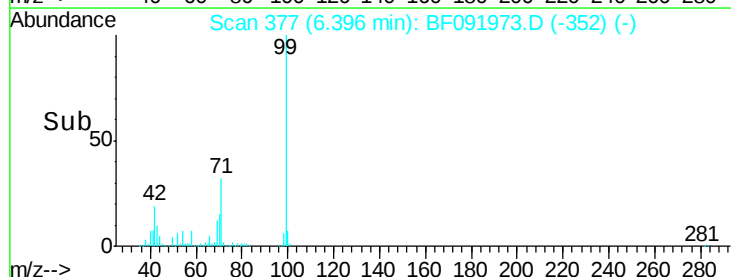
71 32.2 27.5 41.3

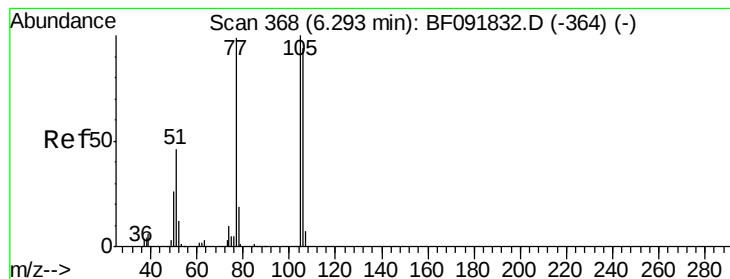


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 2.95 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.22 min

Lab File: BF091973.D

Acq: 27 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

MW-3

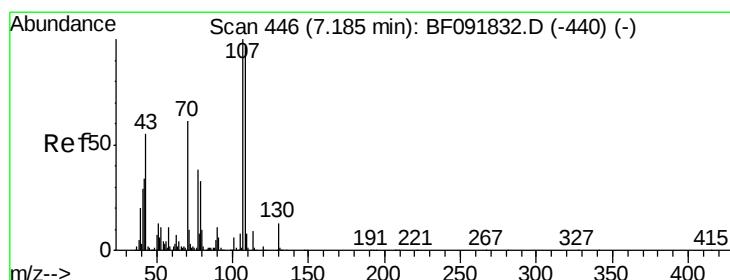
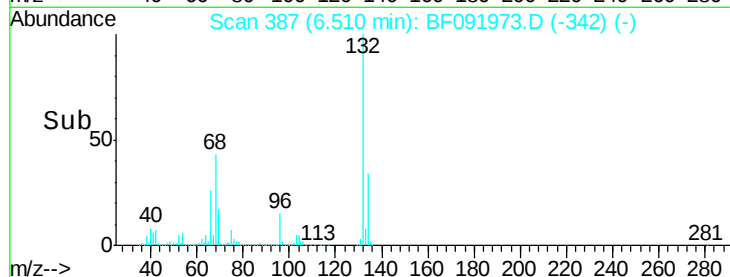
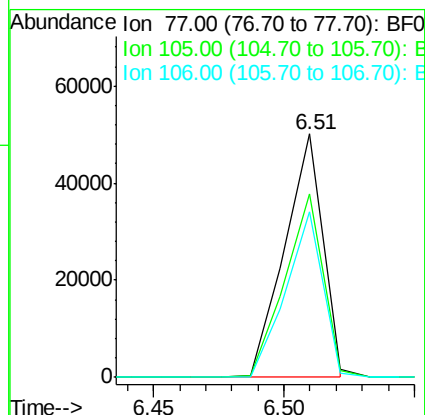
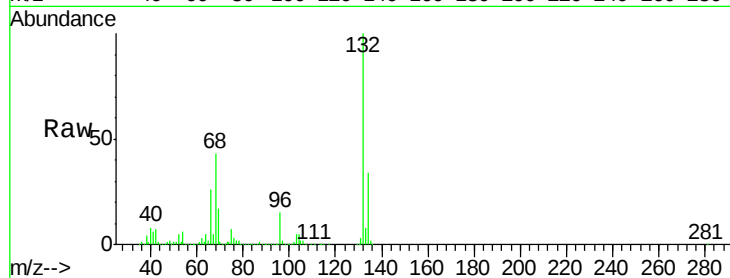
Tgt Ion: 77 Resp: 51183

Ion Ratio Lower Upper

77 100

105 75.4 83.9 123.9#

106 67.8 77.6 117.6#



#19

n-Nitroso-di-n-propylamine

Concen: 16.99 ng

RT: 7.30 min Scan# 456

Delta R.T. 0.11 min

Lab File: BF091973.D

Acq: 27 Dec 2016 17:47

Tgt Ion: 70 Resp: 243829

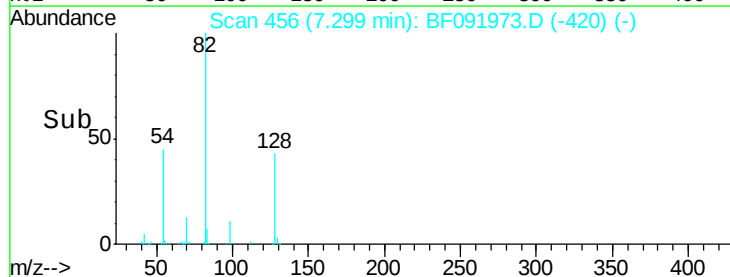
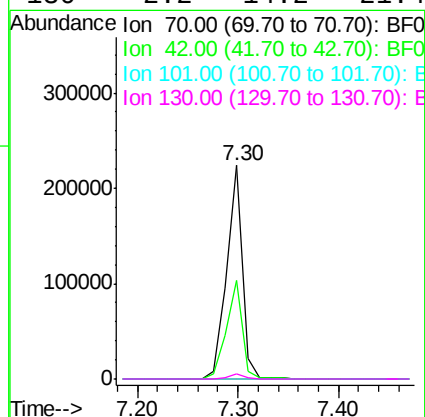
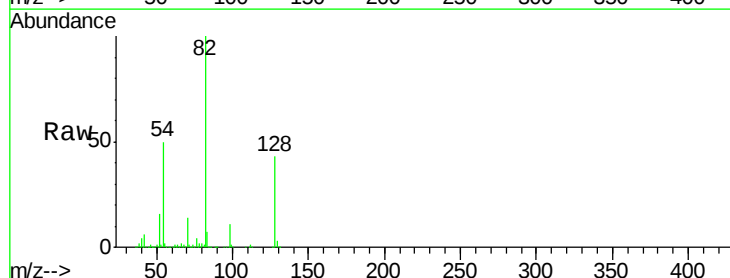
Ion Ratio Lower Upper

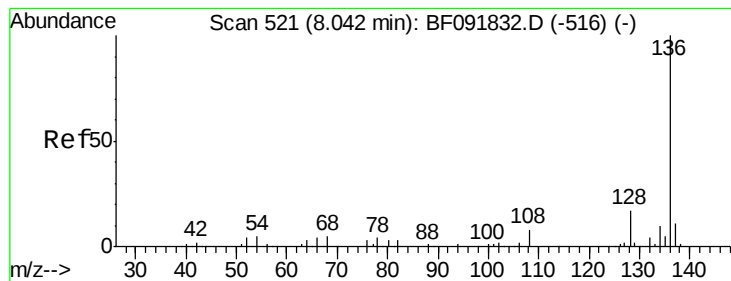
70 100

42 46.4 49.4 74.0#

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.02 min

Lab File: BF091973.D

Acq: 27 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

MW-3

Tgt Ion:136 Resp: 1231903

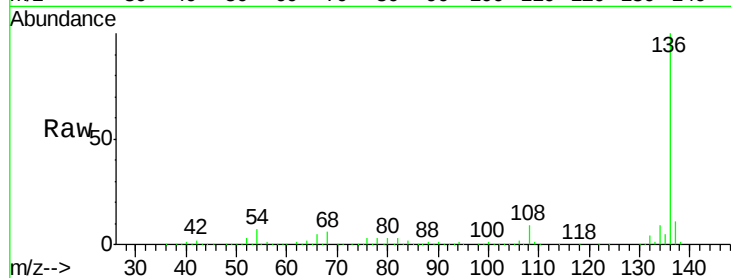
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 6.9 4.5 6.7#

68 5.9 3.6 5.4#

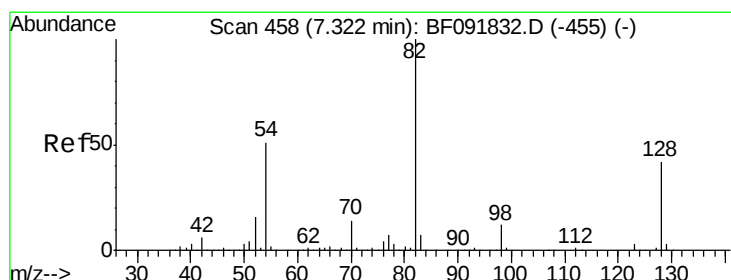
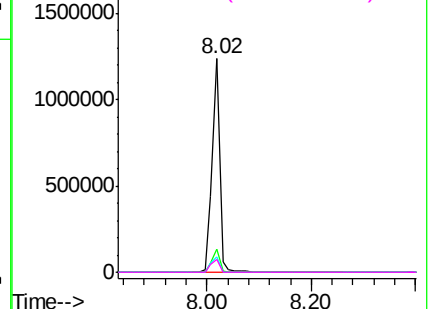
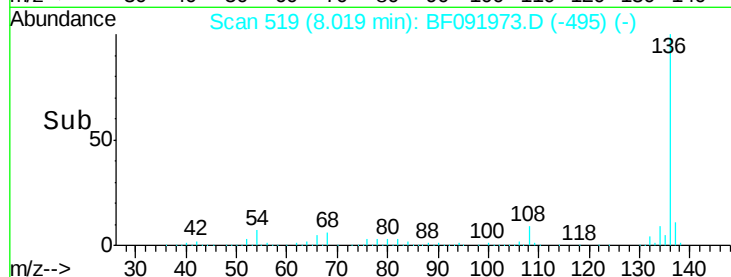


Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.78 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.02 min

Lab File: BF091973.D

Acq: 27 Dec 2016 17:47

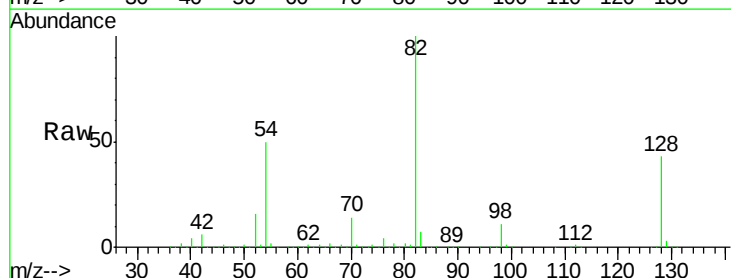
Tgt Ion: 82 Resp: 1833938

Ion Ratio Lower Upper

82 100

128 42.6 34.6 52.0

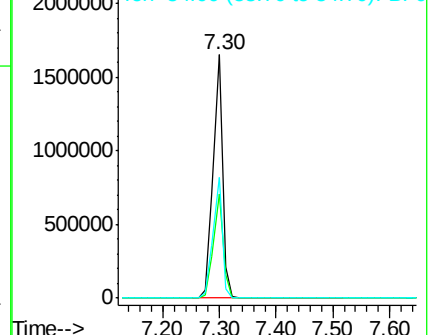
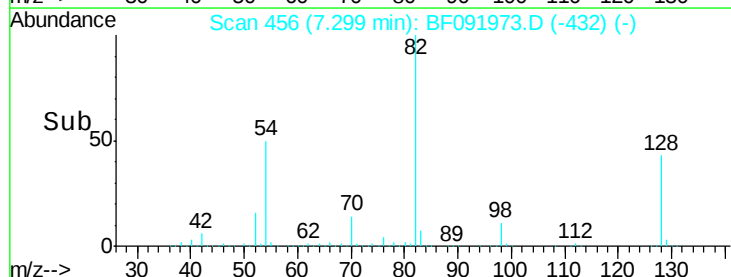
54 49.8 39.5 59.3

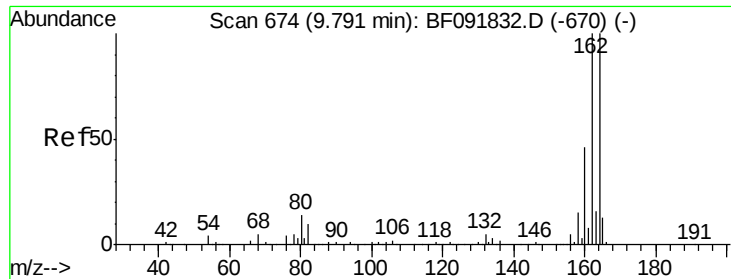


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.02 min

Lab File: BF091973.D

Acq: 27 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

MW-3

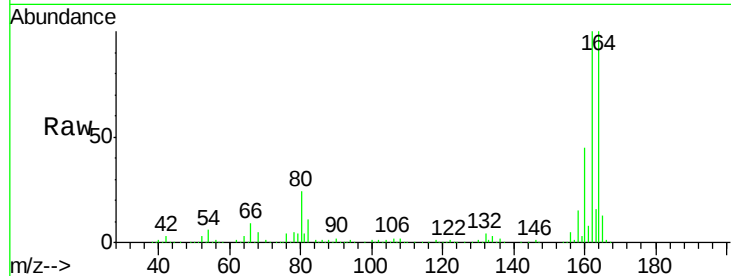
Tgt Ion:164 Resp: 620840

Ion Ratio Lower Upper

164 100

162 99.9 80.2 120.2

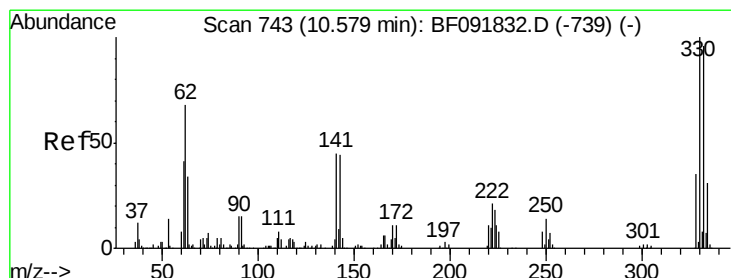
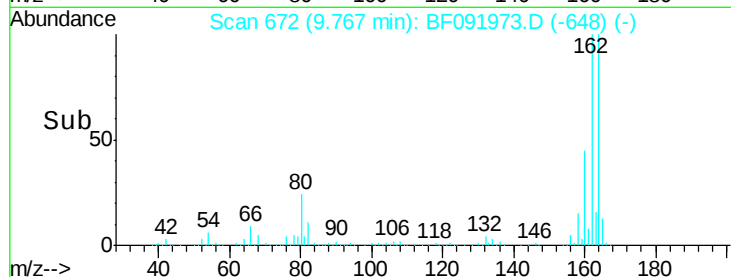
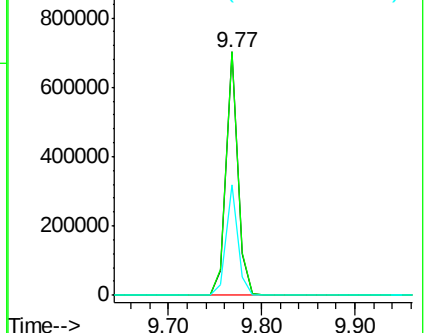
160 45.5 36.9 55.3



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: 128.88 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF091973.D

Acq: 27 Dec 2016 17:47

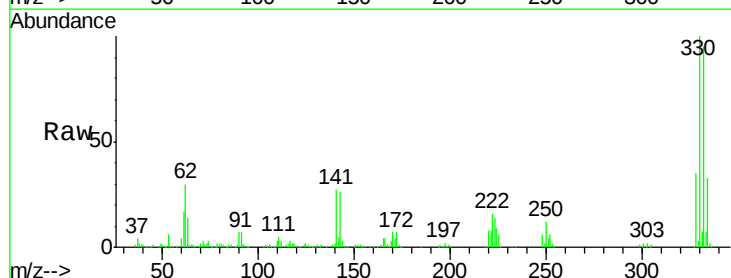
Tgt Ion:330 Resp: 662154

Ion Ratio Lower Upper

330 100

332 95.2 77.4 116.2

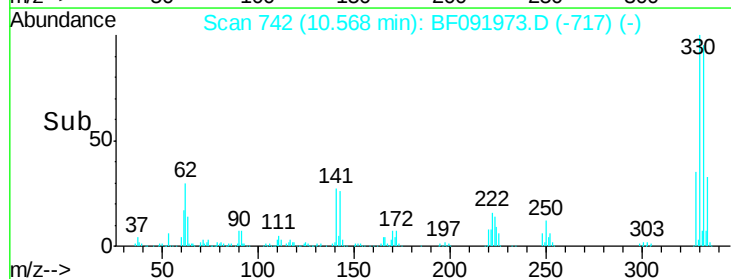
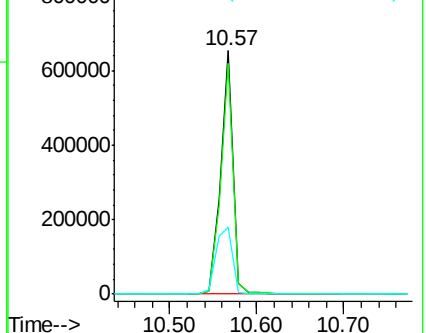
141 37.4 34.1 51.1

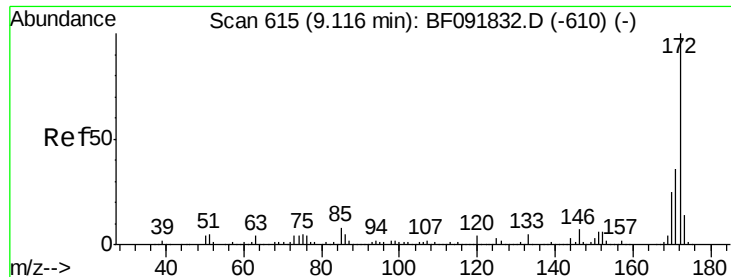


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

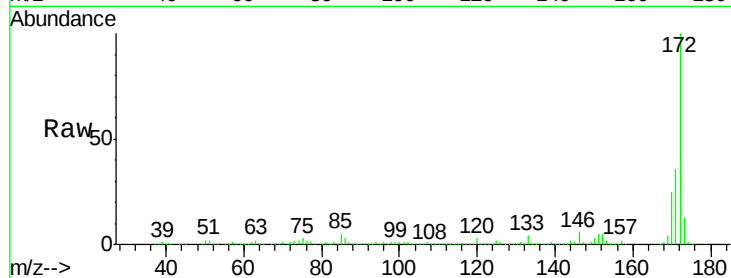




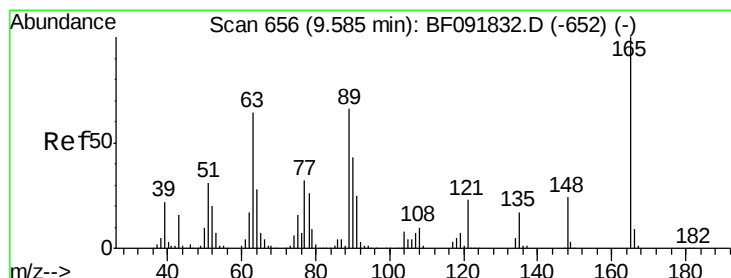
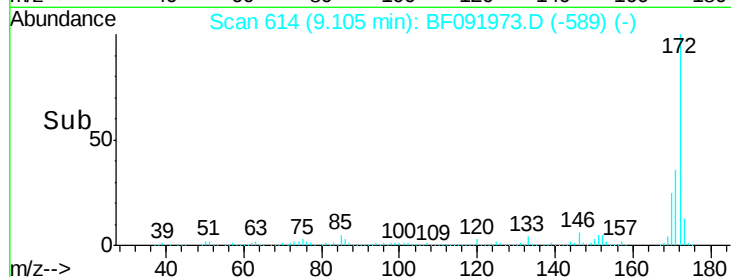
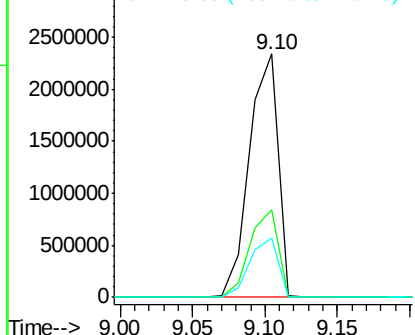
#44
 2-Fluorobiphenyl
 Concen: 109.95 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF091973.D
 Acq: 27 Dec 2016 17:47

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:172 Resp: 3216765
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.4 44.0
 170 24.6 20.2 30.4

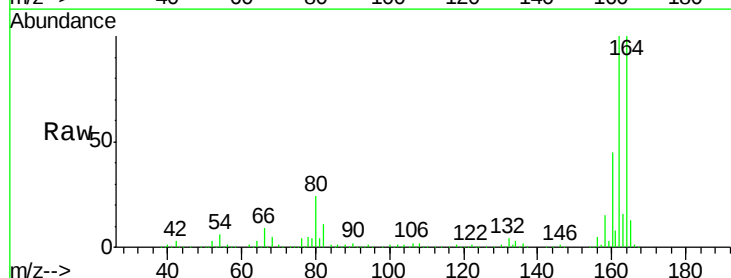


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

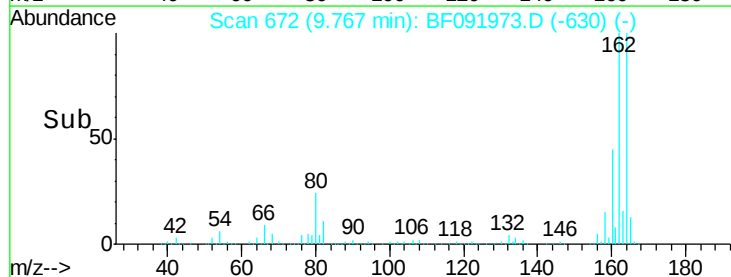
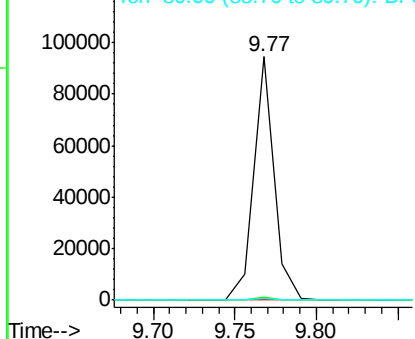


#50
 2,6-Dinitrotoluene
 Concen: 9.49 ng
 RT: 9.77 min Scan# 672
 Delta R.T. 0.18 min
 Lab File: BF091973.D
 Acq: 27 Dec 2016 17:47

Tgt Ion:165 Resp: 82438
 Ion Ratio Lower Upper
 165 100
 63 1.1 36.2 54.4#
 89 0.7 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

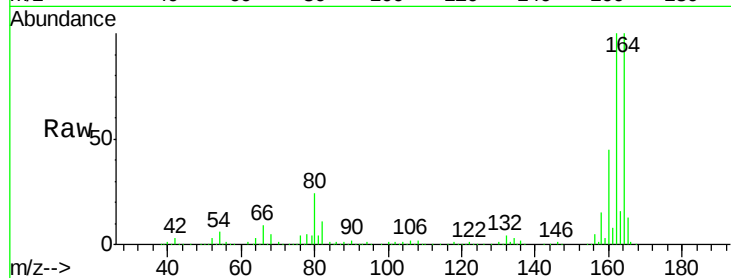




#56
 2,4-Dinitrotoluene
 Concen: 7.56 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.22 min
 Lab File: BF091973.D
 Acq: 27 Dec 2016 17:47

Instrument :
 BNA_F
 ClientSampleID :
 MW-3

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	40.2	60.4#
89	0.7	62.5	93.7#
182	0.0	1.8	2.8#

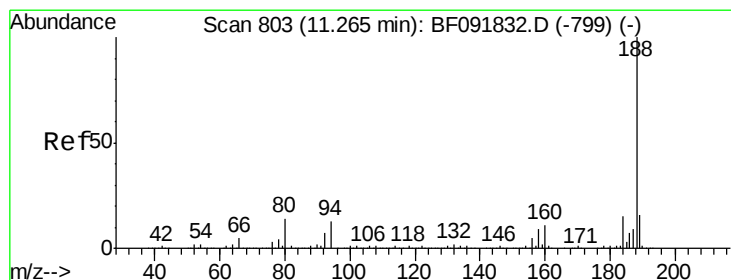
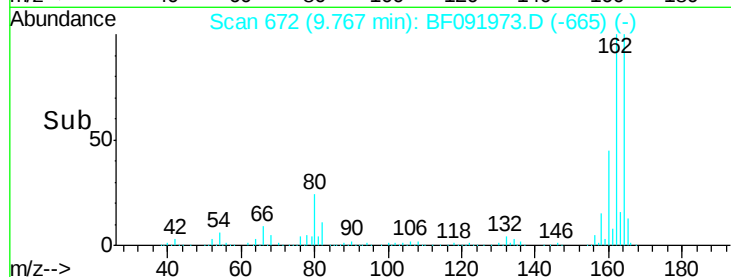
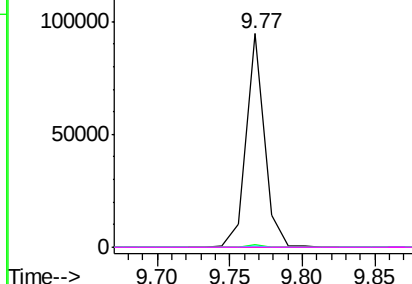


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

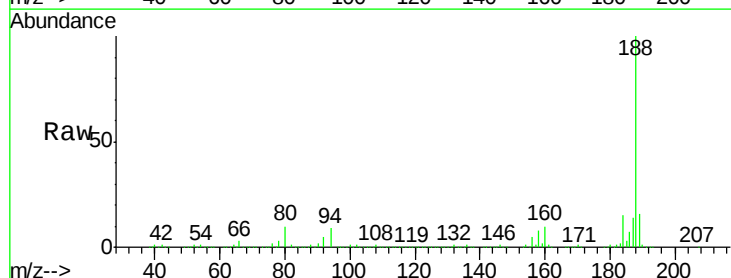
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF091973.D
 Acq: 27 Dec 2016 17:47

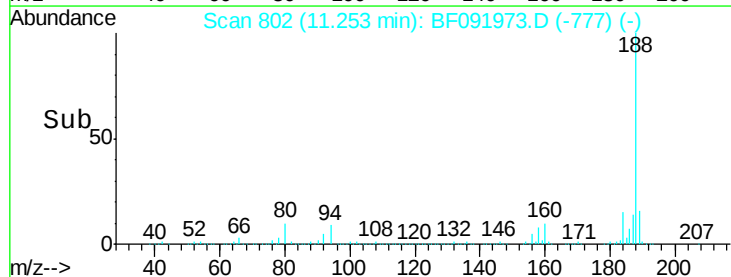
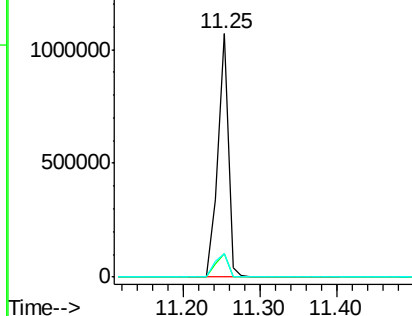
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	10.0	15.0#
80	9.7	11.2	16.8#

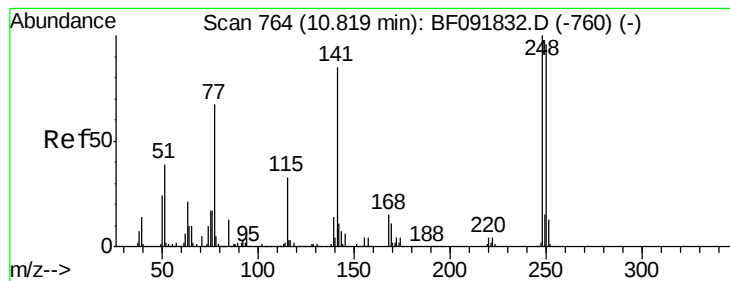


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 4.15 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.25 min

Lab File: BF091973.D

Acq: 27 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

MW-3

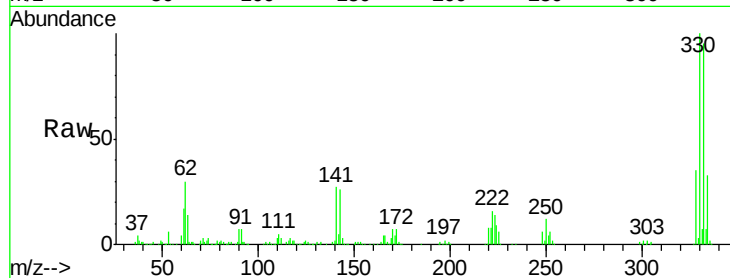
Tgt Ion:248 Resp: 43867

Ion Ratio Lower Upper

248 100

250 200.0 76.9 115.3#

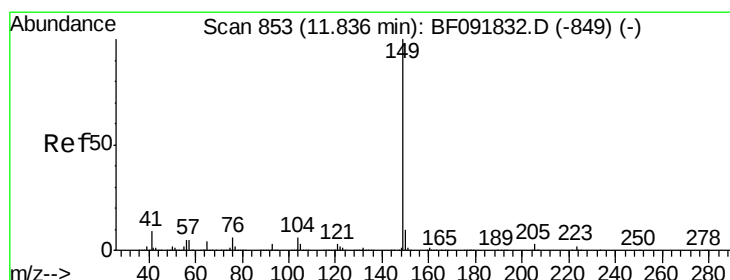
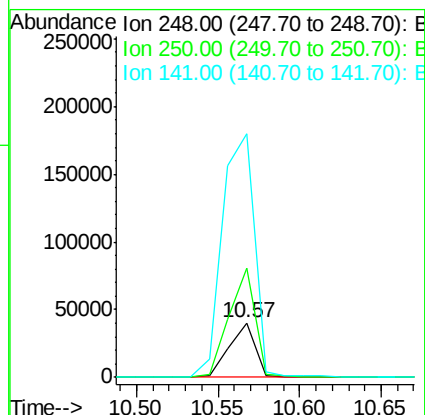
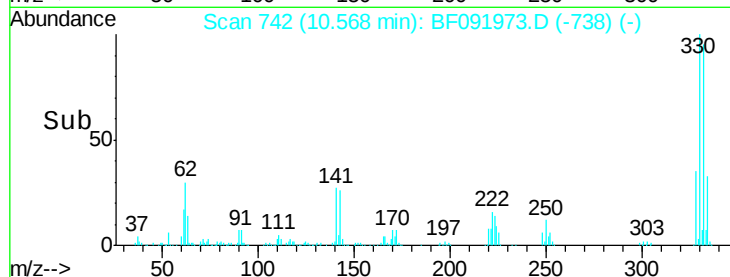
141 448.2 68.2 102.4#



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: 11.82 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF091973.D

Acq: 27 Dec 2016 17:47

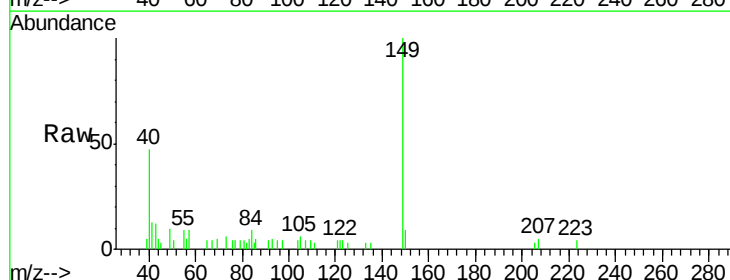
Tgt Ion:149 Resp: 10248

Ion Ratio Lower Upper

149 100

150 8.7 8.1 12.1

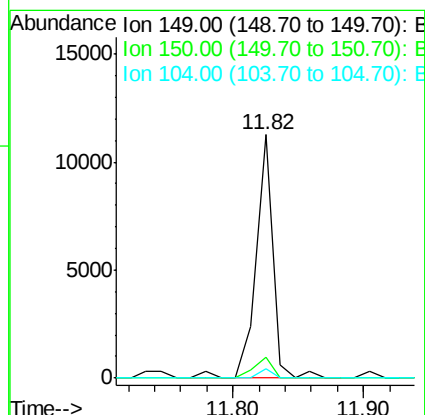
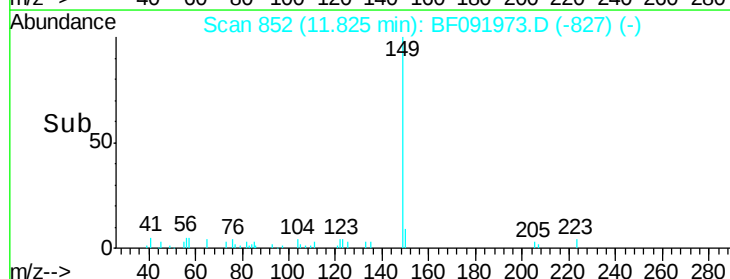
104 4.0 4.6 7.0#

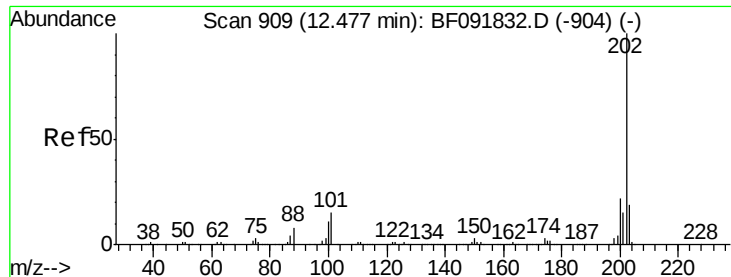


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: Below Cal

RT: 12.46 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF091973.D

Acq: 27 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

MW-3

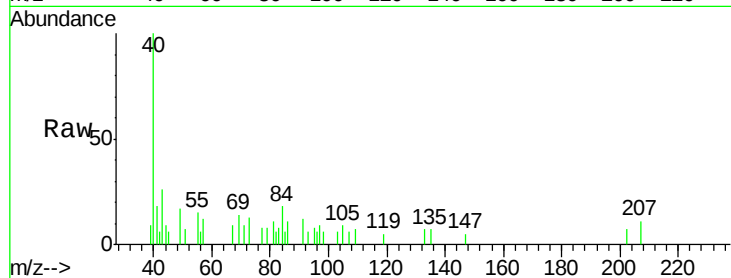
Tgt Ion:202 Resp: 481

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

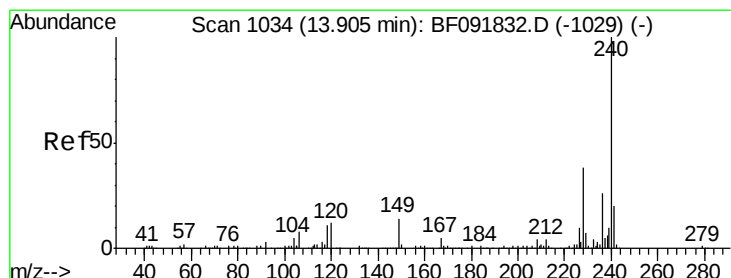
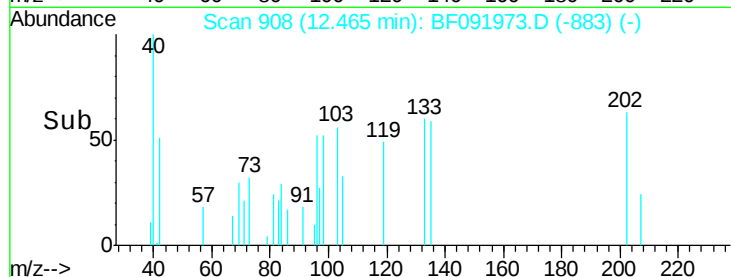
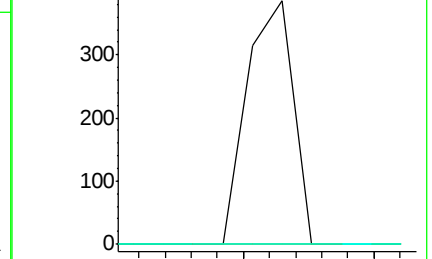
203 0.0 0.0 38.7



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: 13.88 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF091973.D

Acq: 27 Dec 2016 17:47

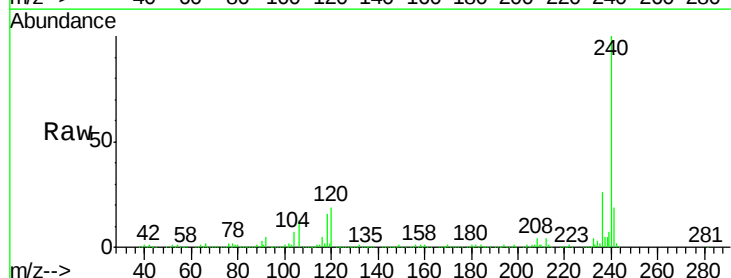
Tgt Ion:240 Resp: 782792

Ion Ratio Lower Upper

240 100

120 18.7 12.9 19.3

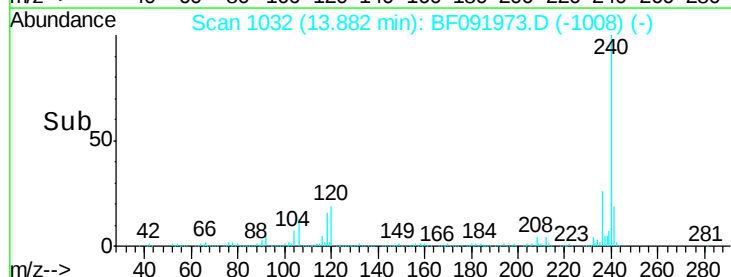
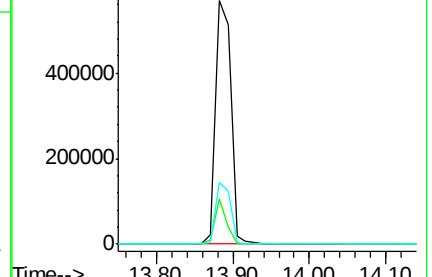
236 25.6 20.9 31.3

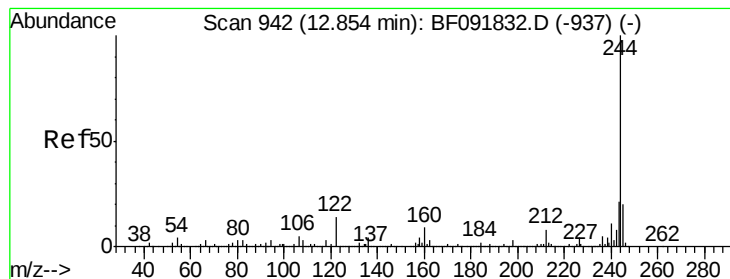


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 79.24 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF091973.D

Acq: 27 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

MW-3

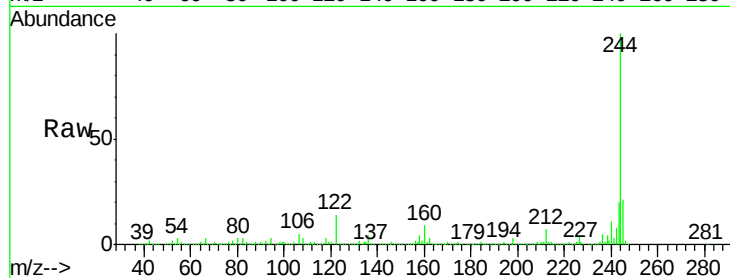
Tgt Ion:244 Resp: 2557593

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

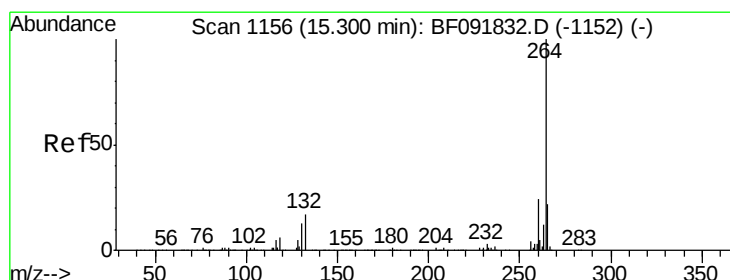
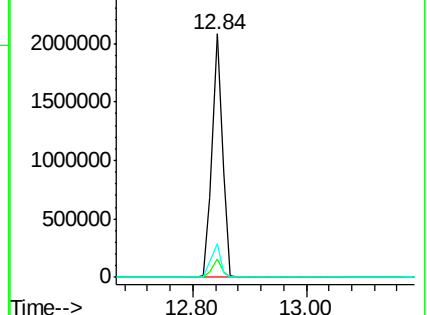
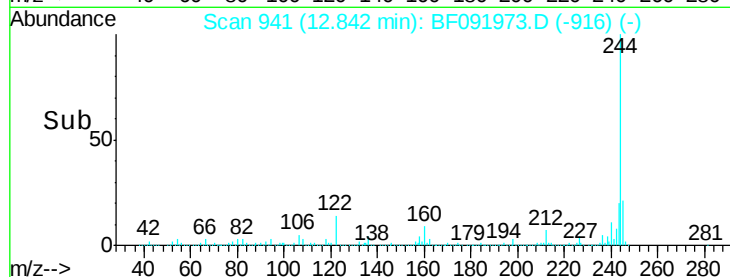
122 14.1 11.4 17.2



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: 15.29 min Scan# 1155

Delta R.T. -0.01 min

Lab File: BF091973.D

Acq: 27 Dec 2016 17:47

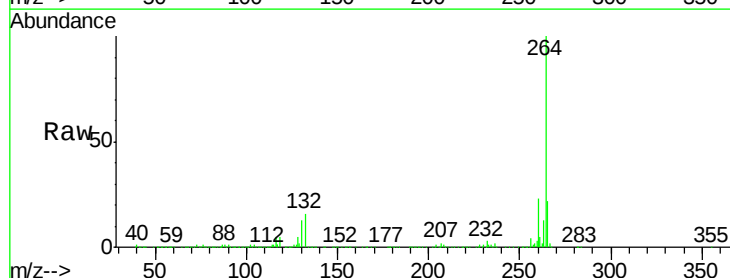
Tgt Ion:264 Resp: 529433

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 21.8 17.4 26.0



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

