

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110916\
 Data File : BF091131.D
 Acq On : 9 Nov 2016 18:29
 Operator : UM/SJ
 Sample : H5586-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-73-110716

Quant Time: Nov 09 22:44:00 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 12:59:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	166455	20.00	ng	0.00
21) Naphthalene-d8	7.94	136	734710	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	379804	20.00	ng	-0.01
63) Phenanthrene-d10	11.16	188	640062	20.00	ng	-0.01
75) Chrysene-d12	13.80	240	449620	20.00	ng	-0.01
86) Perylene-d12	15.17	264	304467	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	1392215	138.13	ng	0.02
7) Phenol-d6	6.32	99	1796323	131.31	ng	0.00
23) Nitrobenzene-d5	7.23	82	1294193	96.09	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	498486	145.18	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	2064983	93.60	ng	-0.01
78) Terphenyl-d14	12.76	244	2209827	122.65	ng	0.00

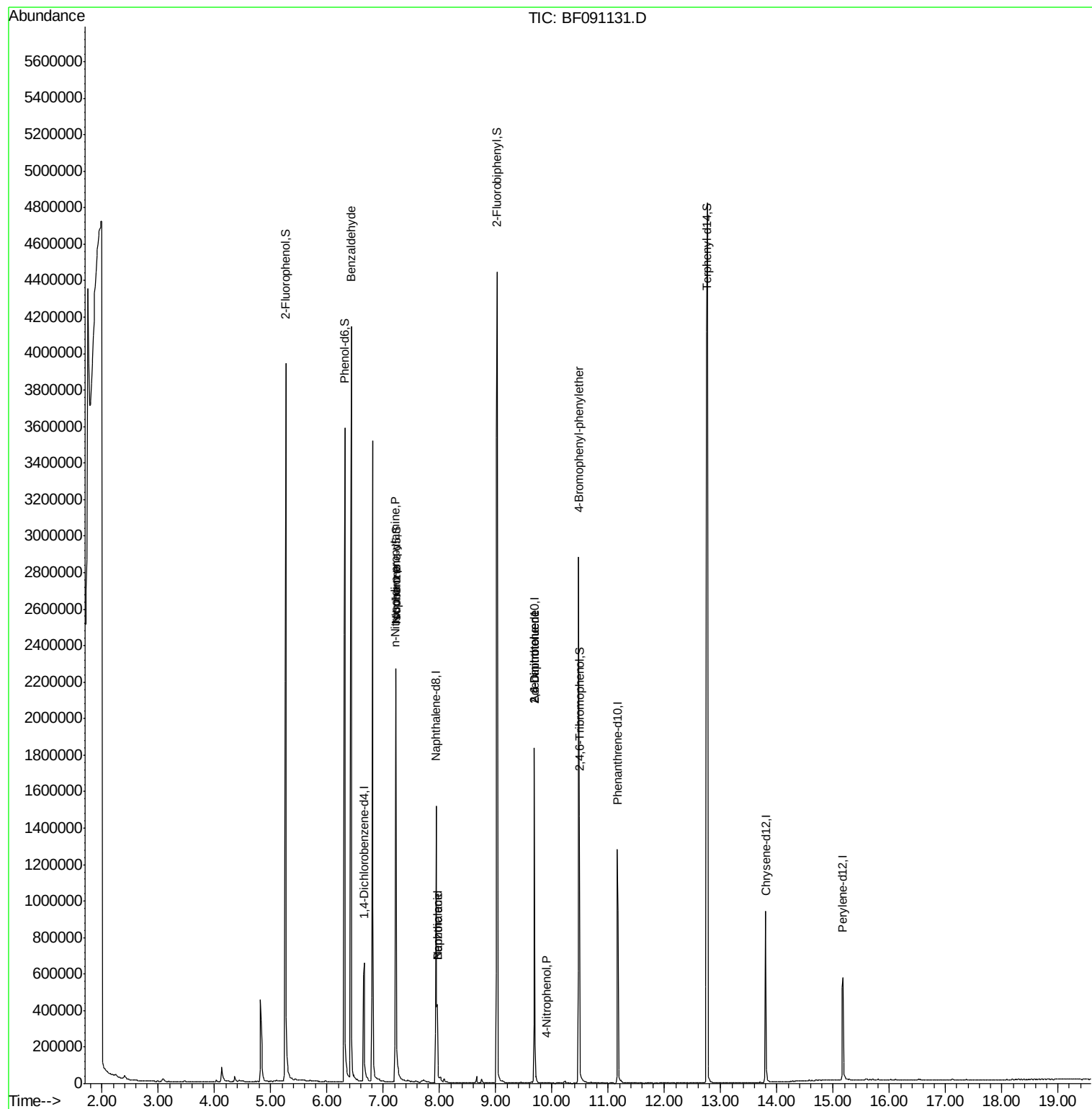
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	33800	4.45	ng	92
19) n-Nitroso-di-n-propylamine	7.22	70	176216	18.59	ng	# 79
25) Isophorone	7.23	82	1230550	47.42	ng	# 67
31) Naphthalene	7.96	128	205116	5.84	ng	98
32) Benzoic acid	7.96	122	351	5.11	ng	# 1
50) 2,6-Dinitrotoluene	9.69	165	49496	9.27	ng	# 11
55) 4-Nitrophenol	9.90	139	1546	6.07	ng	# 1
56) 2,4-Dinitrotoluene	9.69	165	49489	7.29	ng	# 26
66) 4-Bromophenyl-phenylether	10.48	248	30107	4.52	ng	# 1

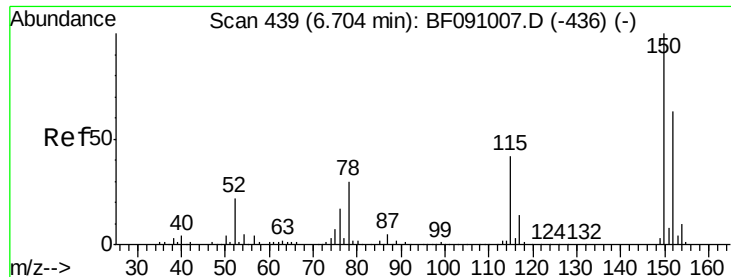
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 435

Delta R.T. 0.00 min

Lab File: BF091131.D

Acq: 9 Nov 2016 18:29

Instrument :

BNA_F

ClientSampleId :

HSR-WC-73-110716

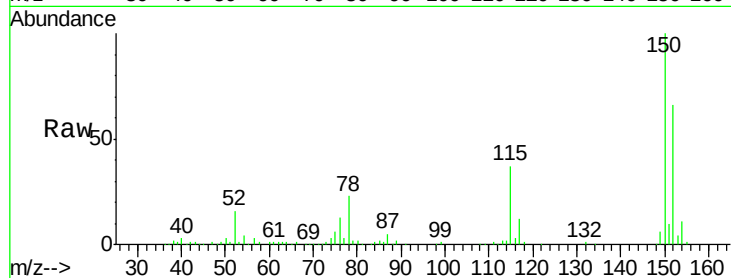
Tgt Ion:152 Resp: 166455

Ion Ratio Lower Upper

152 100

150 151.4 126.8 190.2

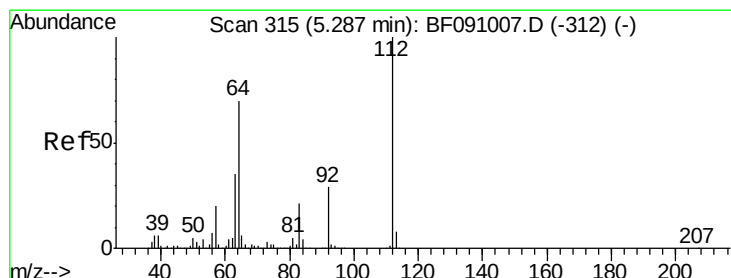
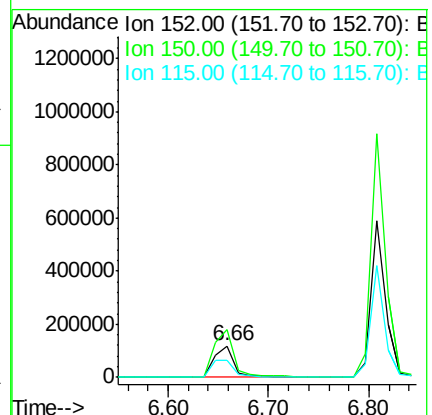
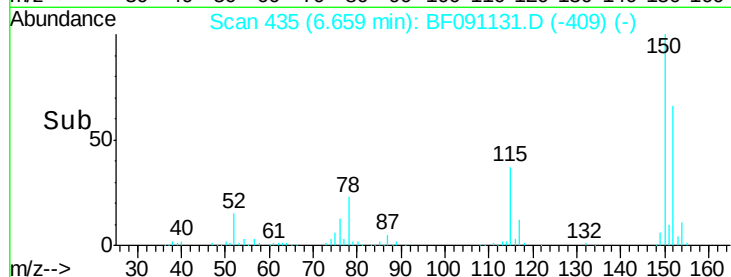
115 55.3 53.3 79.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 138.13 ng

RT: 5.26 min Scan# 313

Delta R.T. 0.02 min

Lab File: BF091131.D

Acq: 9 Nov 2016 18:29

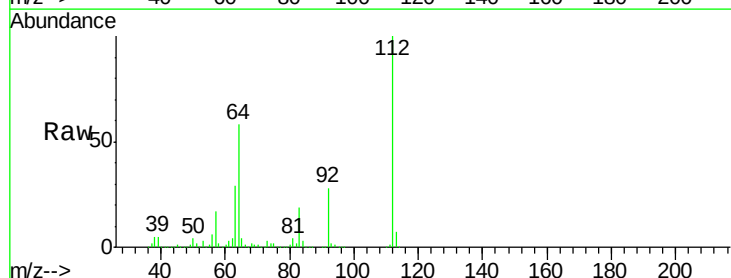
Tgt Ion:112 Resp: 1392215

Ion Ratio Lower Upper

112 100

64 57.7 55.8 83.6

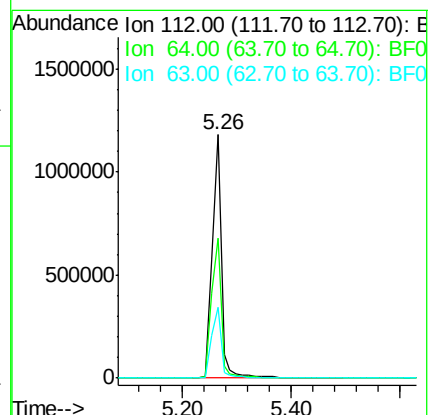
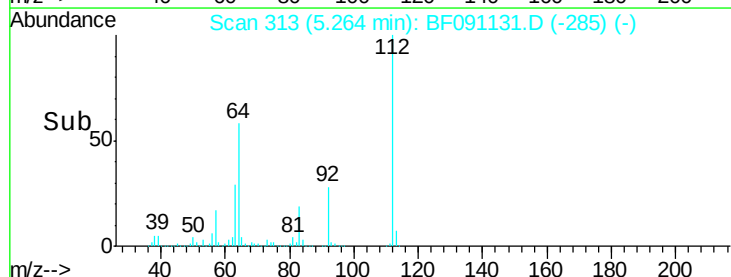
63 29.0 28.0 42.0

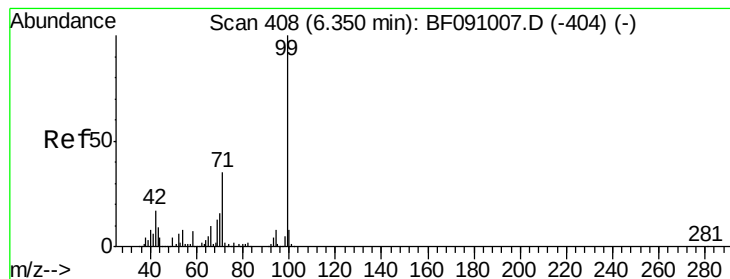


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 131.31 ng

RT: 6.32 min Scan# 405

Delta R.T. 0.00 min

Lab File: BF091131.D

Acq: 9 Nov 2016 18:29

Instrument :

BNA_F

ClientSampleId :

HSR-WC-73-110716

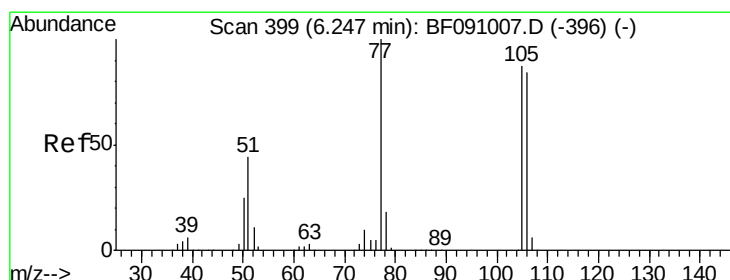
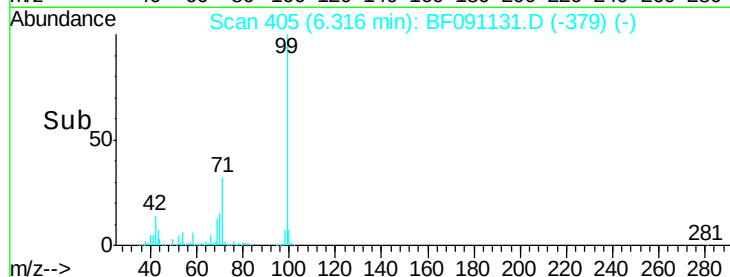
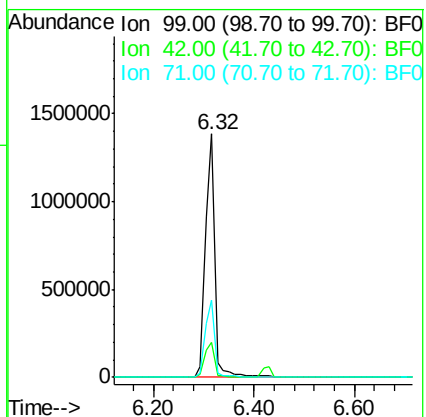
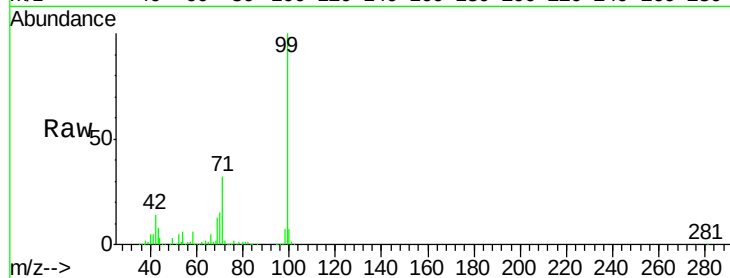
Tgt Ion: 99 Resp: 1796323

Ion Ratio Lower Upper

99 100

42 14.2 13.9 20.9

71 31.6 27.8 41.8



#9

Benzaldehyde

Concen: 4.45 ng

RT: 6.43 min Scan# 415

Delta R.T. 0.23 min

Lab File: BF091131.D

Acq: 9 Nov 2016 18:29

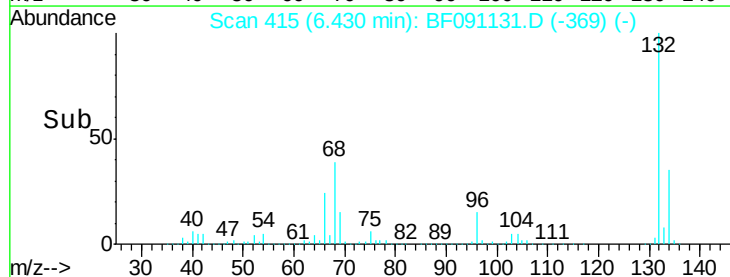
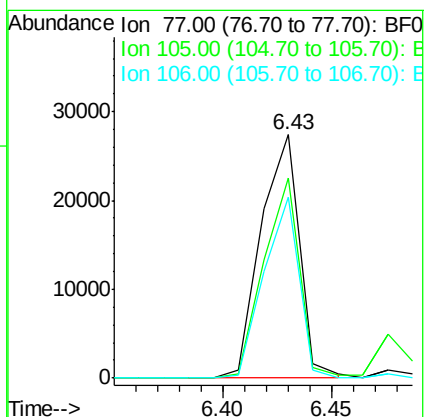
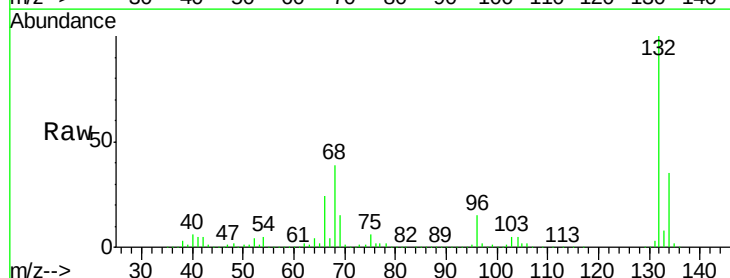
Tgt Ion: 77 Resp: 33800

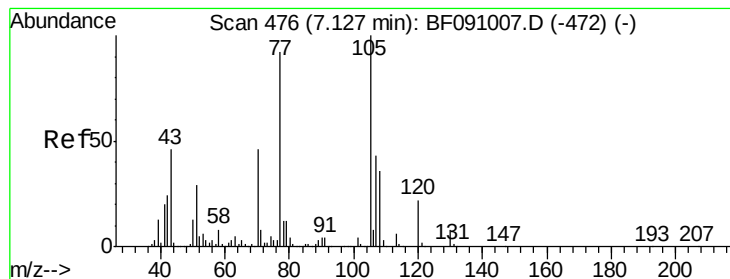
Ion Ratio Lower Upper

77 100

105 81.9 66.8 106.8

106 74.4 64.0 104.0





#19

n-Nitroso-di-n-propylamine

Concen: 18.59 ng

RT: 7.22 min Scan# 484

Delta R.T. 0.13 min

Lab File: BF091131.D

Acq: 9 Nov 2016 18:29

Instrument :

BNA_F

ClientSampleId :

HSR-WC-73-110716

Tgt Ion: 70 Resp: 176216

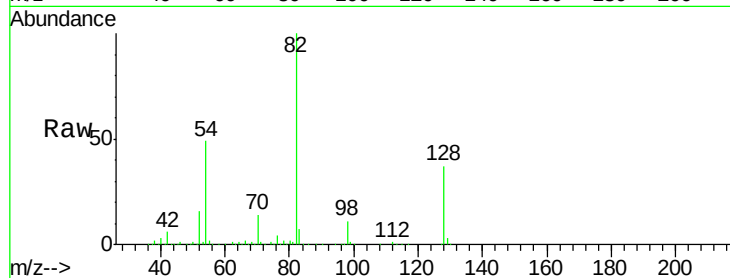
Ion Ratio Lower Upper

70 100

42 41.0 41.7 62.5#

101 0.0 6.7 10.1#

130 1.7 13.8 20.8#

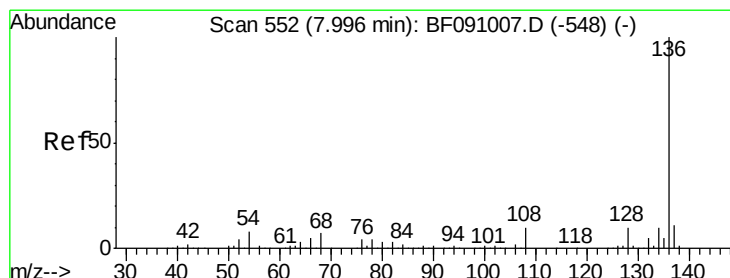
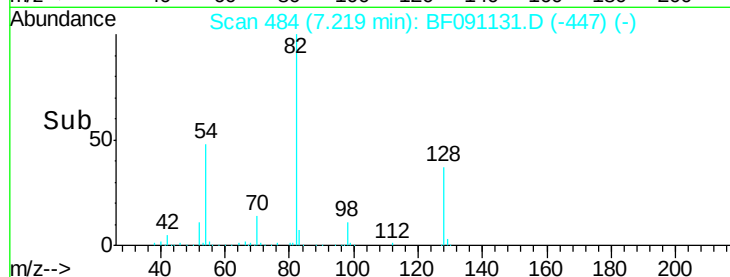
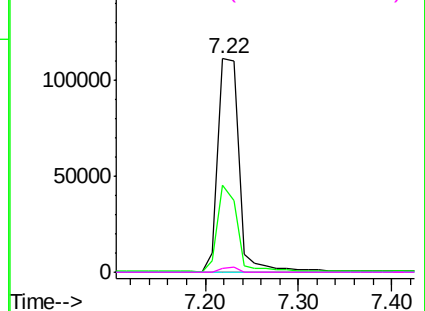


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 547

Delta R.T. -0.01 min

Lab File: BF091131.D

Acq: 9 Nov 2016 18:29

Tgt Ion: 136 Resp: 734710

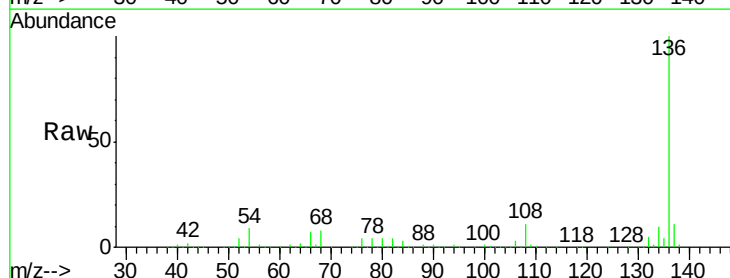
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 9.2 6.2 9.2

68 7.9 5.5 8.3

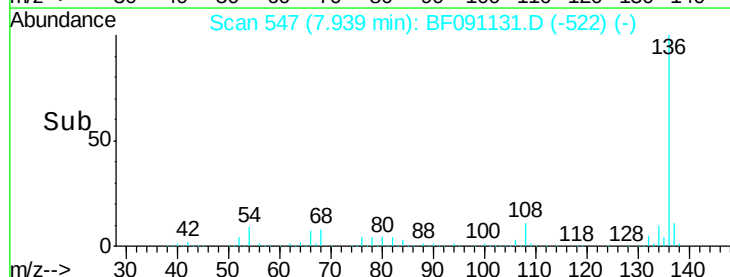
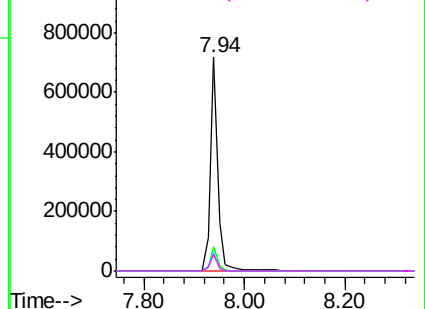


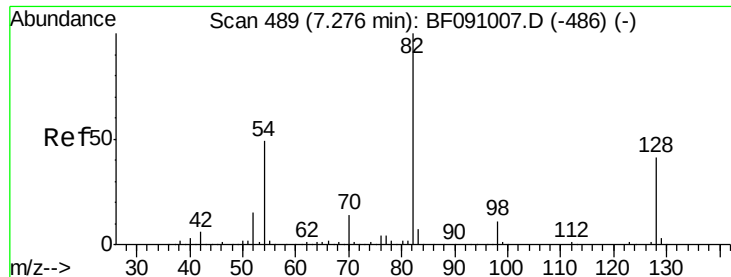
Abundance Ion 136.00 (135.70 to 136.70): E

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

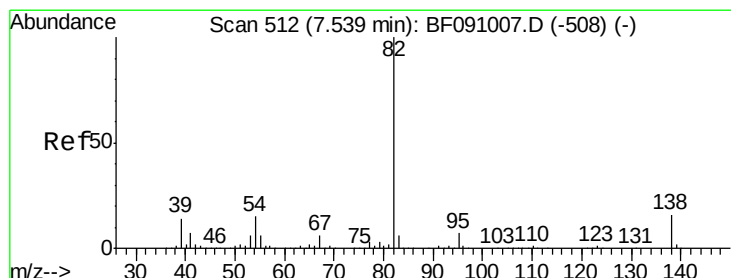
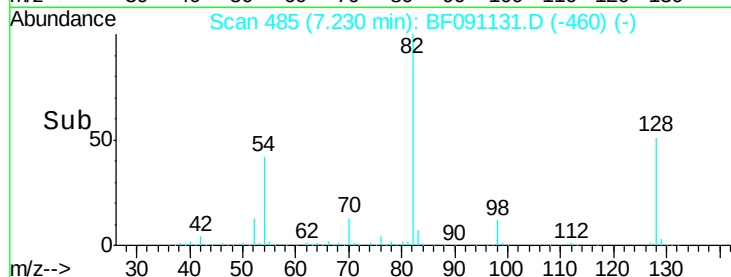
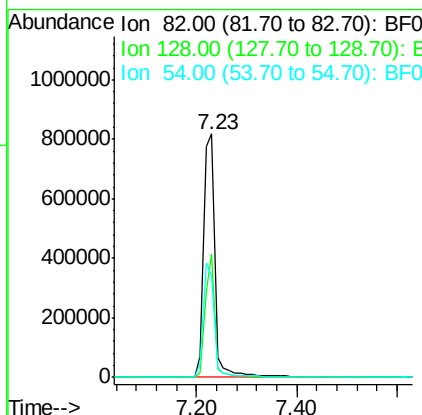
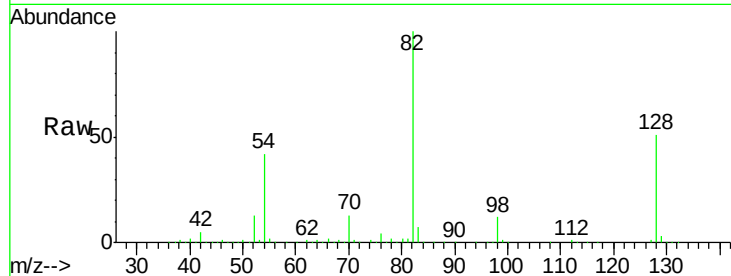




#23
 Nitrobenzene-d5
 Concen: 96.09 ng
 RT: 7.23 min Scan# 485
 Delta R.T. -0.01 min
 Lab File: BF091131.D
 Acq: 9 Nov 2016 18:29

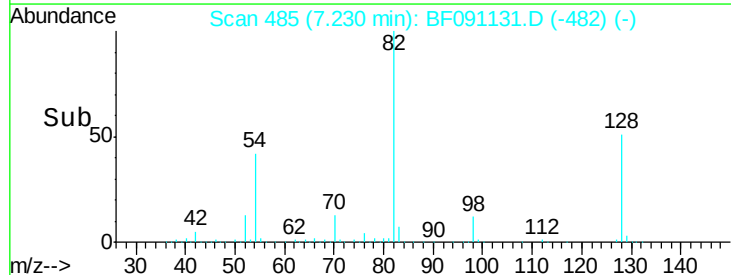
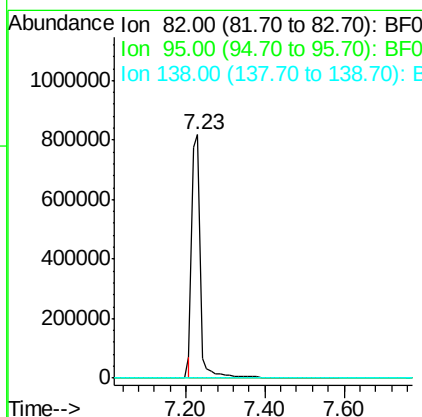
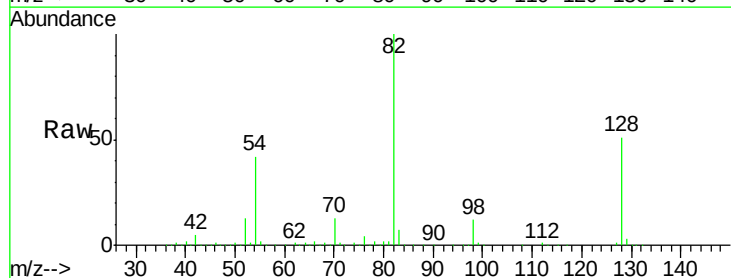
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-73-110716

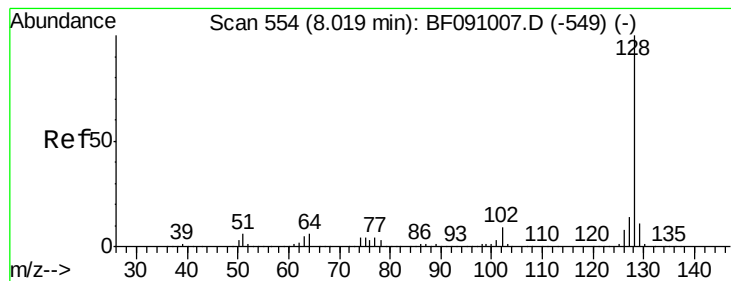
Tgt Ion: 82 Resp: 1294193
 Ion Ratio Lower Upper
 82 100
 128 50.6 32.4 48.6#
 54 41.6 39.2 58.8



#25
 Isophorone
 Concen: 47.42 ng
 RT: 7.23 min Scan# 485
 Delta R.T. -0.26 min
 Lab File: BF091131.D
 Acq: 9 Nov 2016 18:29

Tgt Ion: 82 Resp: 1230550
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.0#
 138 0.0 13.0 19.4#





#31

Naphthalene

Concen: 5.84 ng

RT: 7.96 min Scan# 549

Delta R.T. -0.01 min

Lab File: BF091131.D

Acq: 9 Nov 2016 18:29

Instrument :

BNA_F

ClientSampleId :

HSR-WC-73-110716

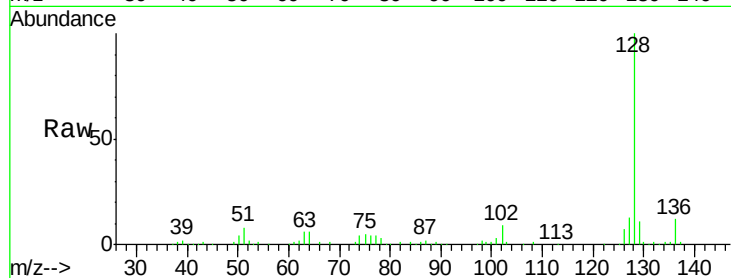
Tgt Ion:128 Resp: 205116

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.6

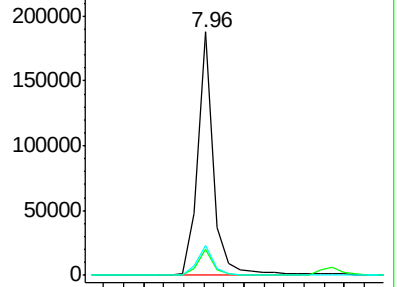
127 12.5 10.9 16.3



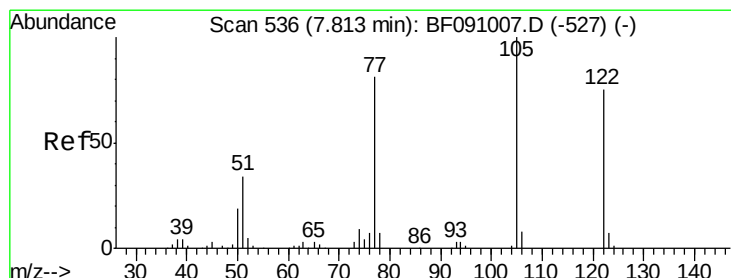
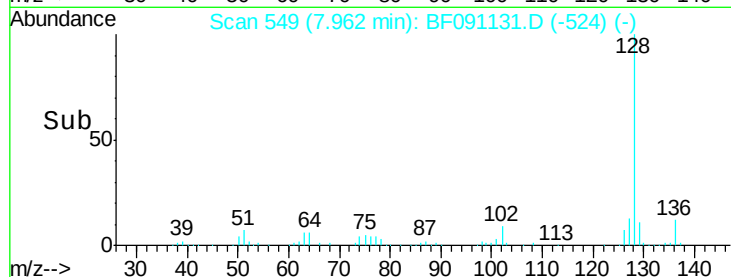
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#32

Benzoic acid

Concen: 5.11 ng

RT: 7.96 min Scan# 549

Delta R.T. 0.18 min

Lab File: BF091131.D

Acq: 9 Nov 2016 18:29

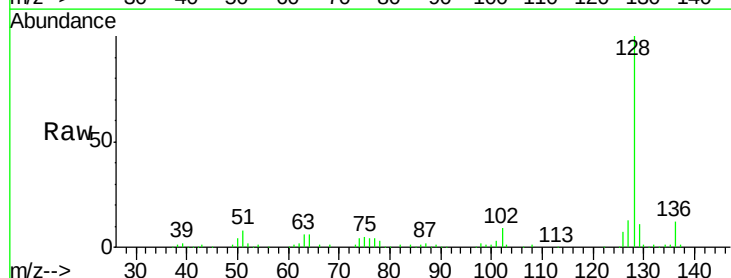
Tgt Ion:122 Resp: 351

Ion Ratio Lower Upper

122 100

105 0.0 105.9 145.9#

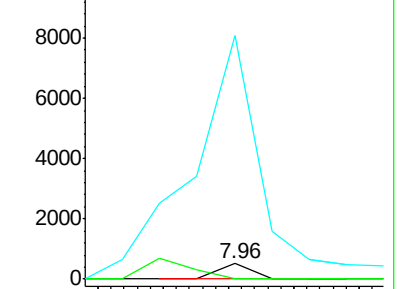
77 1578.3 84.0 124.0#



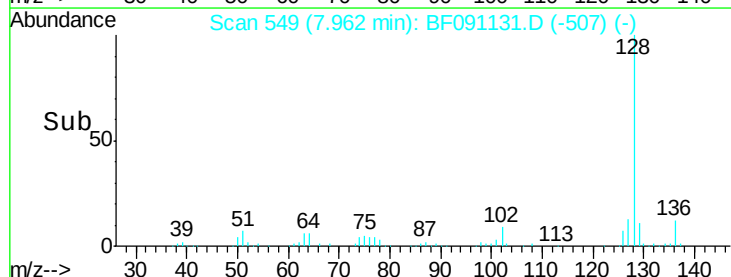
Abundance Ion 122.00 (121.70 to 122.70): E

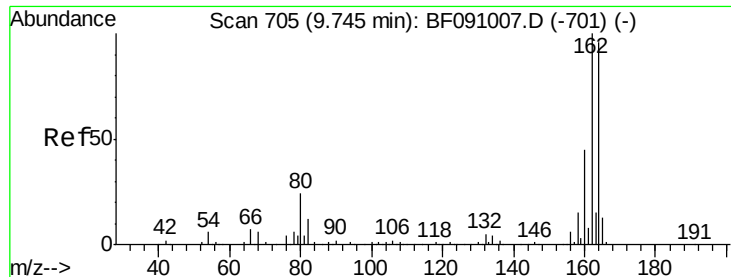
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



Time-->





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.69 min Scan# 700

Delta R.T. -0.01 min

Lab File: BF091131.D

Acq: 9 Nov 2016 18:29

Instrument :

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HSR-WC-73-110716

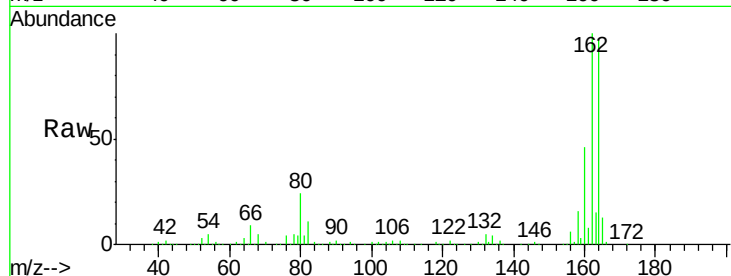
Tgt Ion:164 Resp: 379804

Ion Ratio Lower Upper

164 100

162 103.4 83.6 125.4

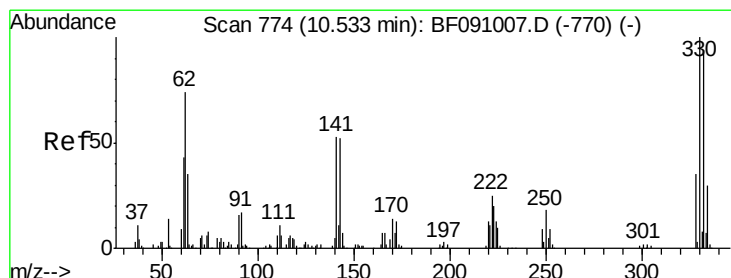
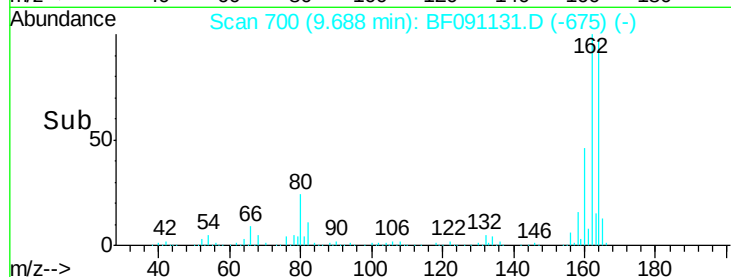
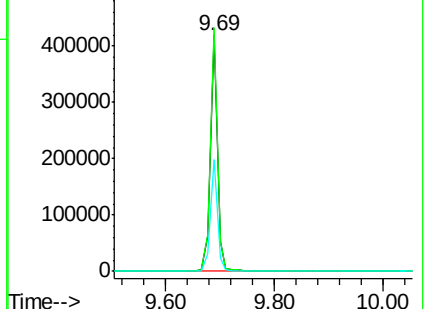
160 47.7 37.9 56.9



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: 145.18 ng

RT: 10.49 min Scan# 770

Delta R.T. 0.00 min

Lab File: BF091131.D

Acq: 9 Nov 2016 18:29

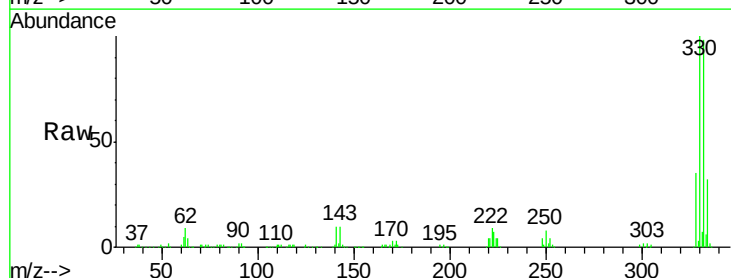
Tgt Ion:330 Resp: 498486

Ion Ratio Lower Upper

330 100

332 96.7 75.9 113.9

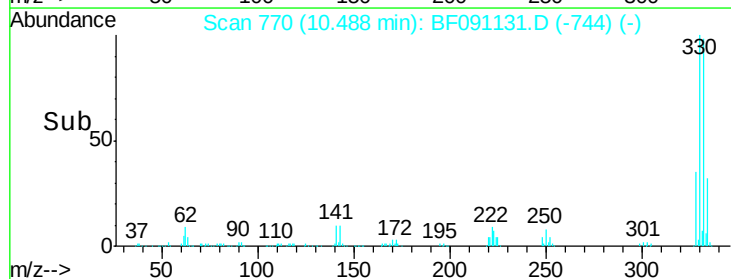
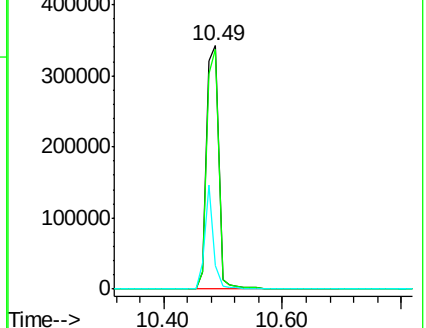
141 32.0 36.1 54.1#

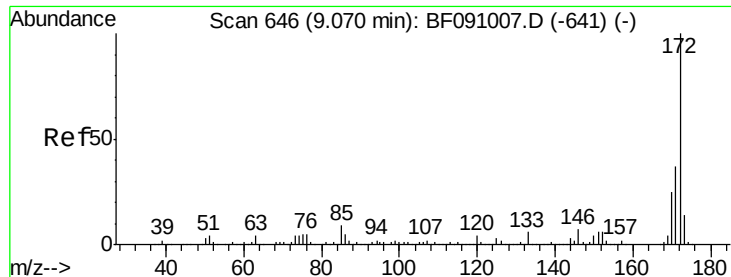


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

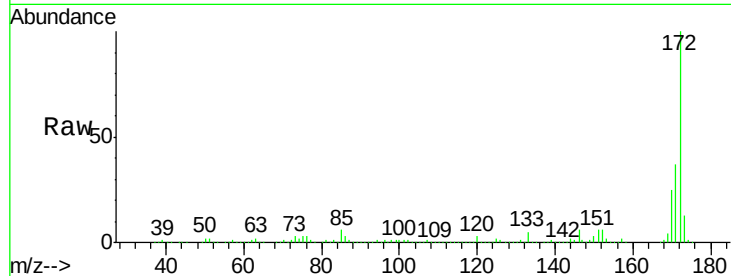




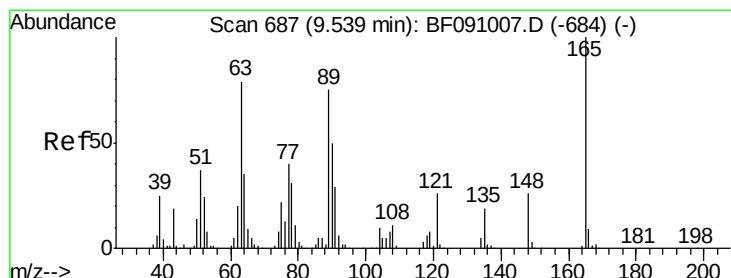
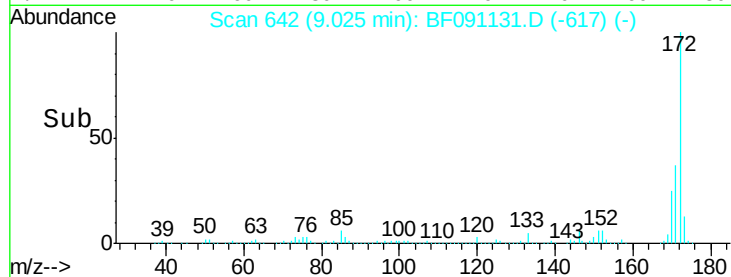
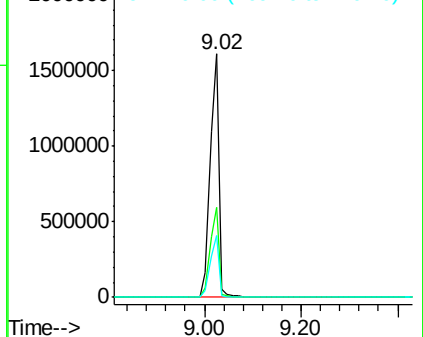
#44
 2-Fluorobiphenyl
 Concen: 93.60 ng
 RT: 9.02 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: BF091131.D
 Acq: 9 Nov 2016 18:29

Instrument :
 BNA_F
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 HSR-WC-73-110716

Tgt Ion:172 Resp: 2064983
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.8 44.6
 170 25.3 20.3 30.5

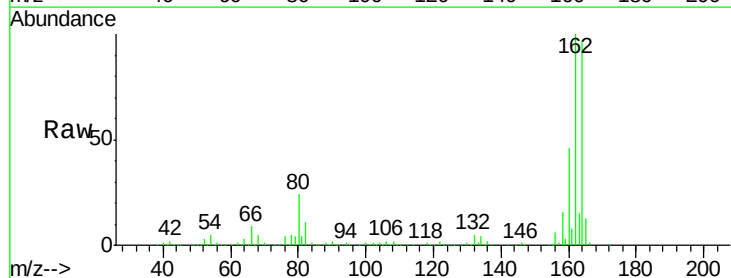


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

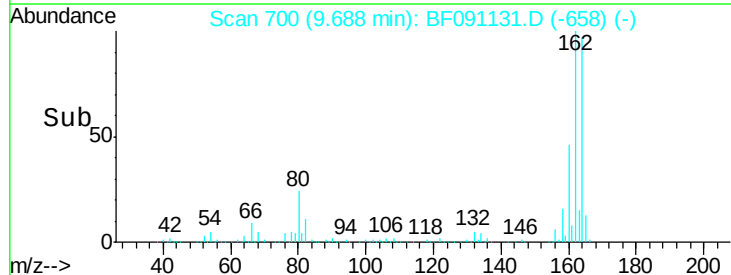
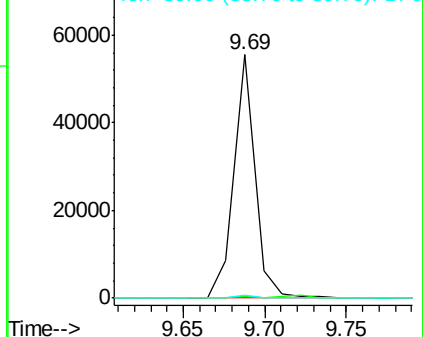


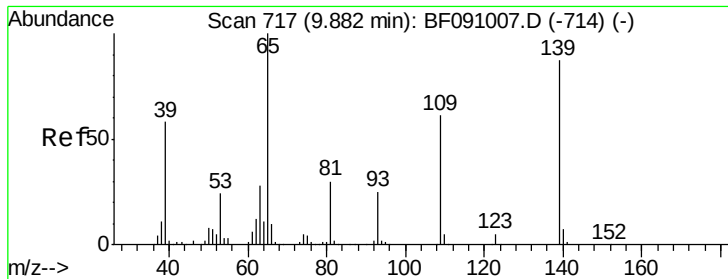
#50
 2,6-Dinitrotoluene
 Concen: 9.27 ng
 RT: 9.69 min Scan# 700
 Delta R.T. 0.18 min
 Lab File: BF091131.D
 Acq: 9 Nov 2016 18:29

Tgt Ion:165 Resp: 49496
 Ion Ratio Lower Upper
 165 100
 63 1.0 65.6 98.4#
 89 1.1 59.8 89.6#



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

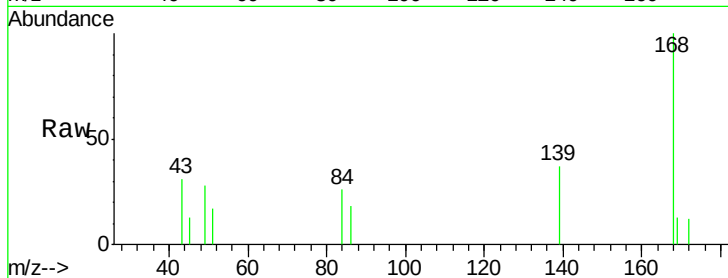




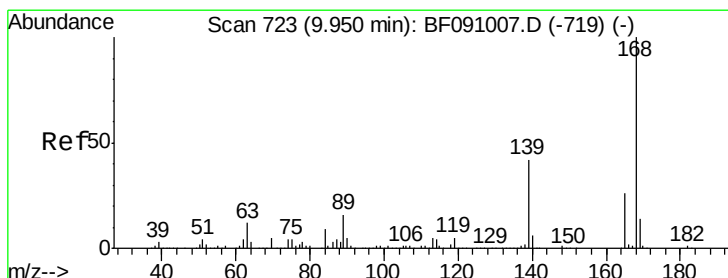
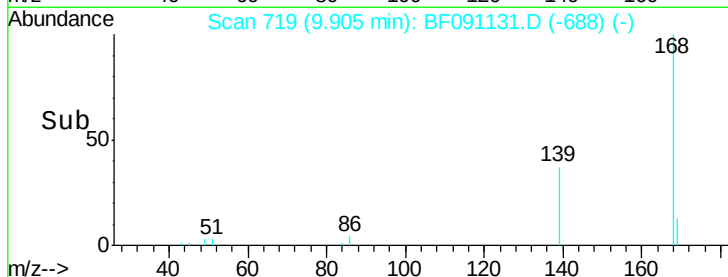
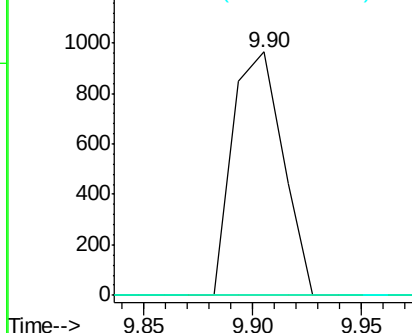
#55
 4-Nitrophenol
 Concen: 6.07 ng
 RT: 9.90 min Scan# 719
 Delta R.T. 0.06 min
 Lab File: BF091131.D
 Acq: 9 Nov 2016 18:29

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-73-110716

Tgt Ion:139 Resp: 1546
 Ion Ratio Lower Upper
 139 100
 109 0.0 50.5 90.5#
 65 0.0 97.1 137.1#

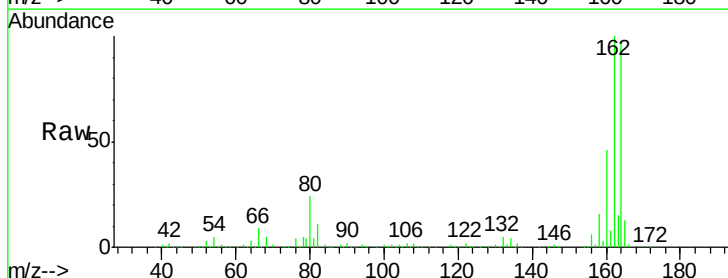


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0

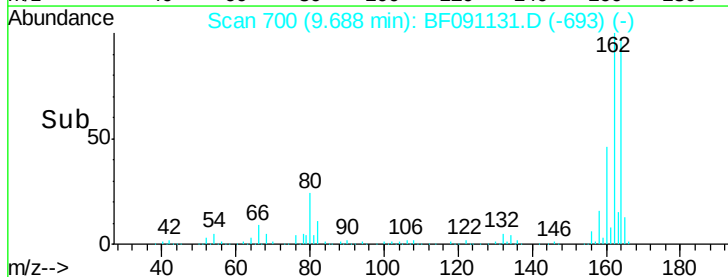
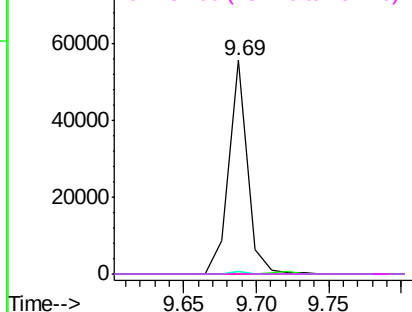


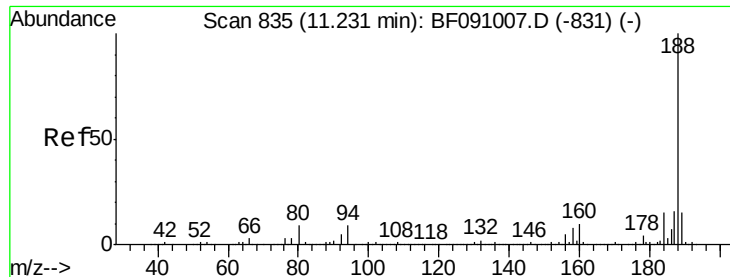
#56
 2,4-Dinitrotoluene
 Concen: 7.29 ng
 RT: 9.69 min Scan# 700
 Delta R.T. -0.22 min
 Lab File: BF091131.D
 Acq: 9 Nov 2016 18:29

Tgt Ion:165 Resp: 49489
 Ion Ratio Lower Upper
 165 100
 63 1.0 38.7 58.1#
 89 1.1 50.6 76.0#
 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

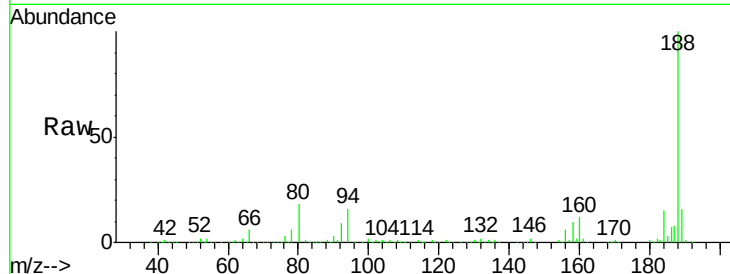




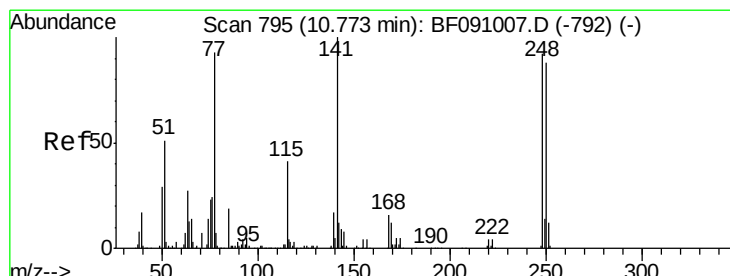
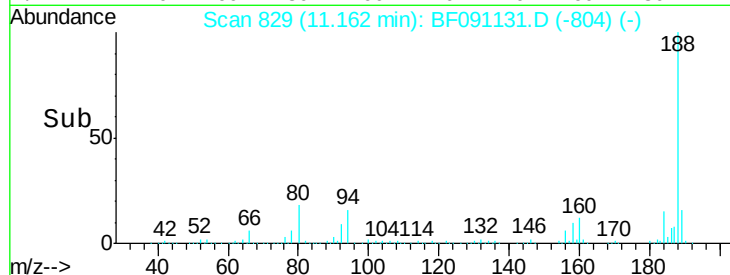
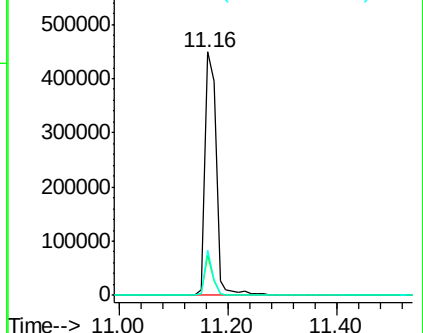
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 829
Delta R.T. -0.01 min
Lab File: BF091131.D
Acq: 9 Nov 2016 18:29

Instrument :
BNA_F
ClientSampleId :
HSR-WC-73-110716

Tgt Ion:188 Resp: 640062
Ion Ratio Lower Upper
188 100
94 16.2 7.0 10.4#
80 18.5 7.5 11.3#

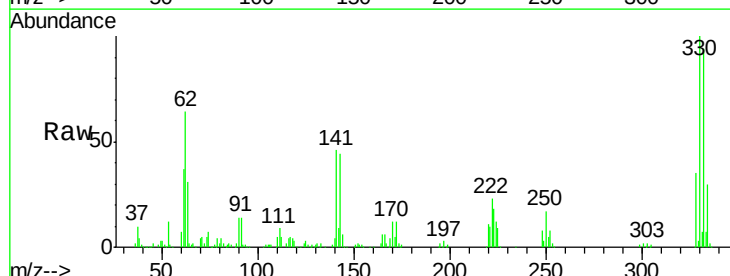


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

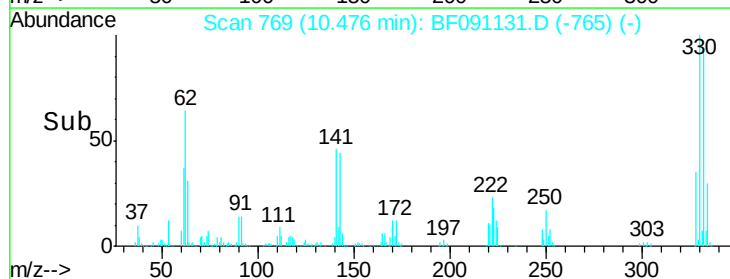
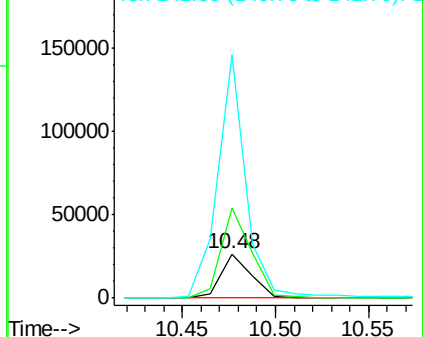


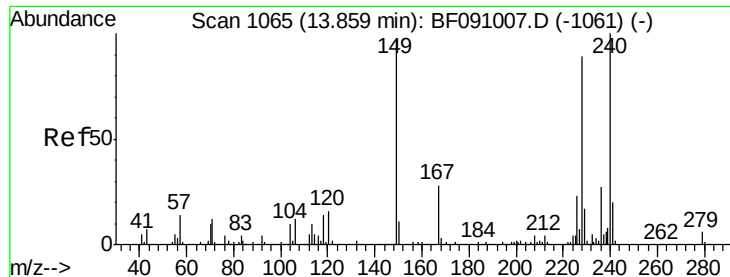
#66
4-Bromophenyl-phenylether
Concen: 4.52 ng
RT: 10.48 min Scan# 769
Delta R.T. -0.25 min
Lab File: BF091131.D
Acq: 9 Nov 2016 18:29

Tgt Ion:248 Resp: 30107
Ion Ratio Lower Upper
248 100
250 203.0 76.3 114.5#
141 547.5 86.8 130.2#



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: 13.80 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BF091131.D

Acq: 9 Nov 2016 18:29

Instrument :

BNA_F

ClientSampleId :

HSR-WC-73-110716

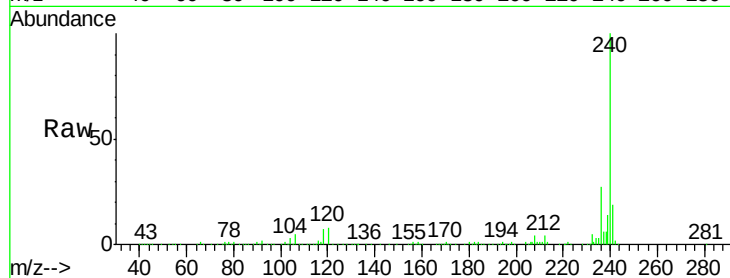
Tgt Ion:240 Resp: 449620

Ion Ratio Lower Upper

240 100

120 8.1 12.9 19.3#

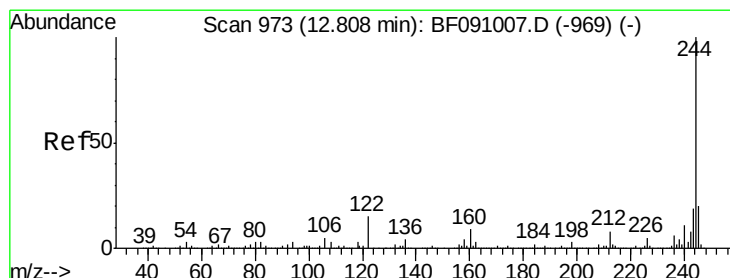
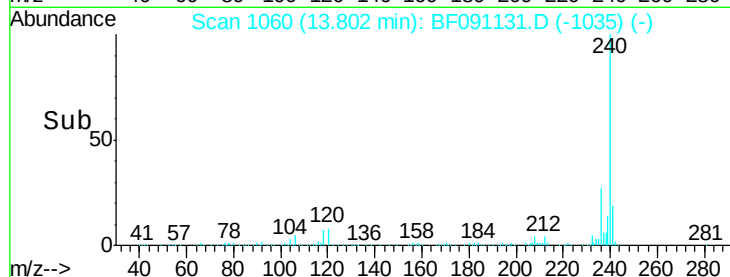
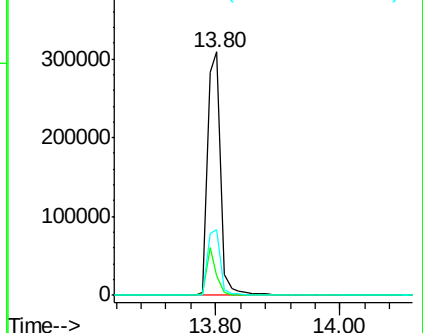
236 27.1 21.9 32.9



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: 122.65 ng

RT: 12.76 min Scan# 969

Delta R.T. 0.00 min

Lab File: BF091131.D

Acq: 9 Nov 2016 18:29

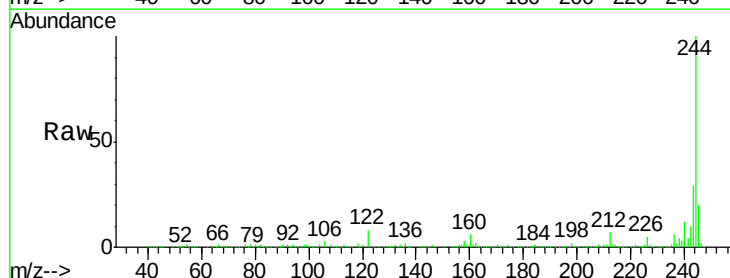
Tgt Ion:244 Resp: 2209827

Ion Ratio Lower Upper

244 100

212 7.2 6.4 9.6

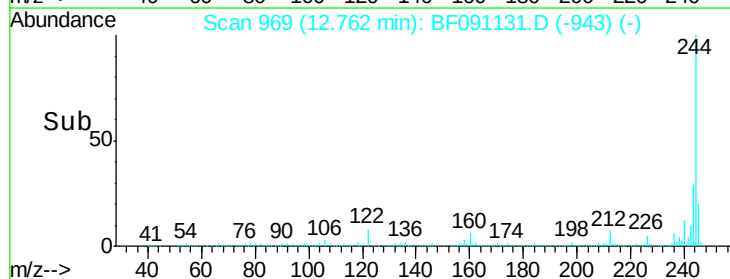
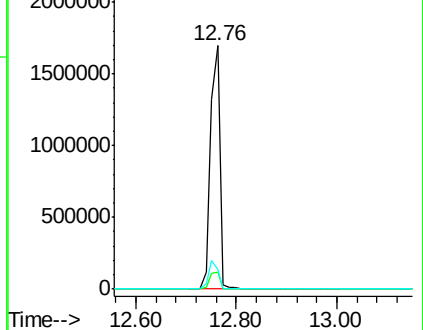
122 8.3 12.3 18.5#

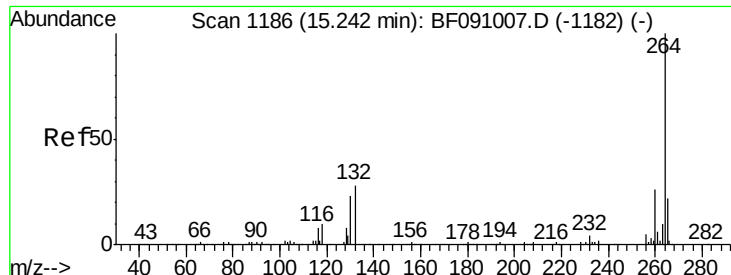


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.17 min Scan# 1180
Delta R.T. -0.01 min
Lab File: BF091131.D
Acq: 9 Nov 2016 18:29

Instrument :
BNA_F
ClientSampleId :
HSR-WC-73-110716

Tgt Ion: 264 Resp: 304467
Ion Ratio Lower Upper
264 100
260 24.5 20.6 30.8
265 20.7 17.8 26.8

