

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110916\
 Data File : BF091128.D
 Acq On : 9 Nov 2016 17:07
 Operator : UM/SJ
 Sample : H5584-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-74-110716

Quant Time: Nov 09 22:42:28 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	166167	20.00	ng	0.00
21) Naphthalene-d8	7.94	136	729349	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	367920	20.00	ng	-0.01
63) Phenanthrene-d10	11.17	188	628411	20.00	ng	0.00
75) Chrysene-d12	13.80	240	479012	20.00	ng	-0.01
86) Perylene-d12	15.17	264	328013	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	1264280	125.66	ng	0.02
7) Phenol-d6	6.32	99	1598236	117.03	ng	0.00
23) Nitrobenzene-d5	7.23	82	1135235	84.91	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	442969	133.17	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	1874043	87.69	ng	-0.01
78) Terphenyl-d14	12.76	244	1953158	101.75	ng	0.00

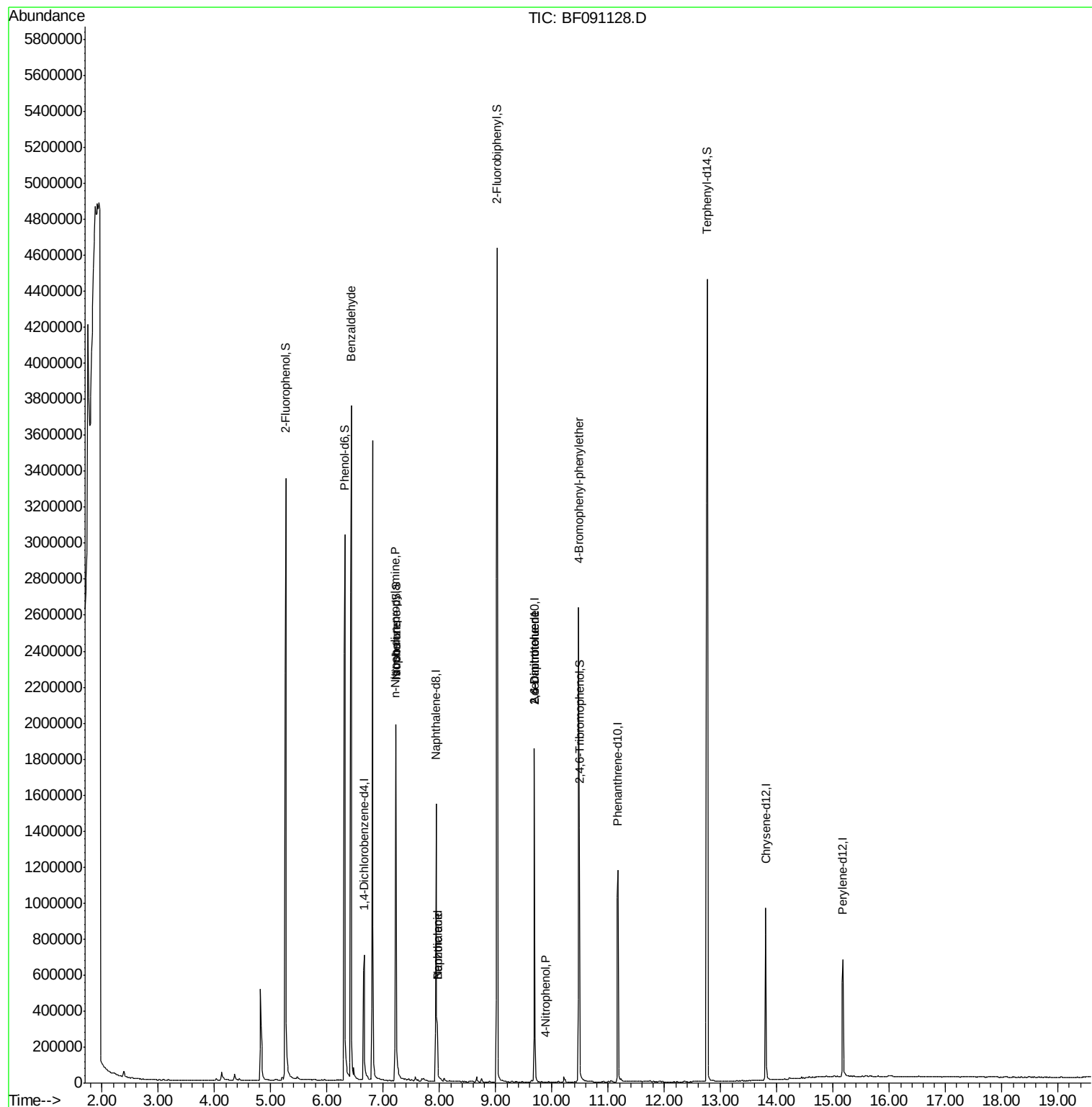
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	31930	4.21	ng	94
19) n-Nitroso-di-n-propylamine	7.22	70	155090	16.39	ng	# 81
25) Isophorone	7.23	82	1082246	42.01	ng	# 67
31) Naphthalene	7.96	128	143817	4.12	ng	98
32) Benzoic acid	7.96	122	247	5.10	ng	# 1
50) 2,6-Dinitrotoluene	9.69	165	47498	9.19	ng	# 11
55) 4-Nitrophenol	9.89	139	582	5.86	ng	# 1
56) 2,4-Dinitrotoluene	9.69	165	47500	7.22	ng	# 26
66) 4-Bromophenyl-phenylether	10.48	248	27412	4.19	ng	# 1

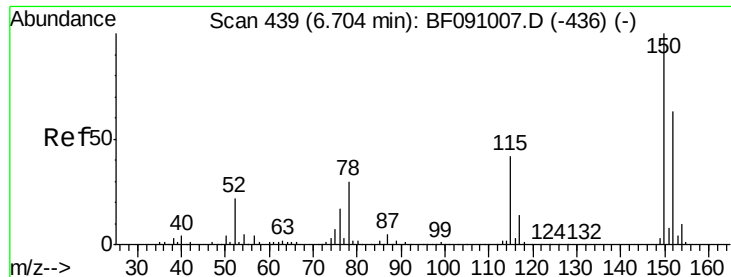
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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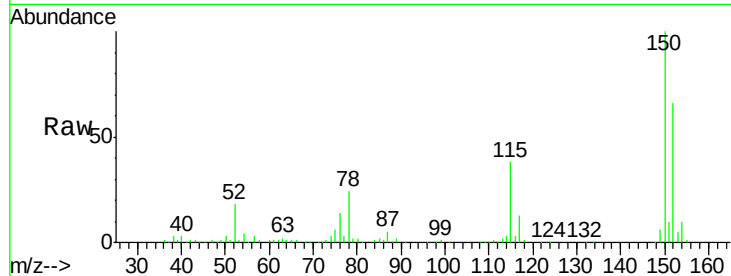


#1

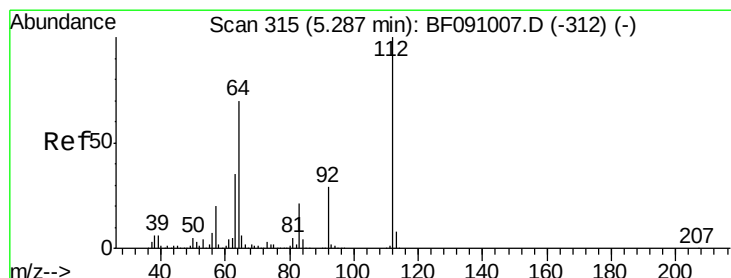
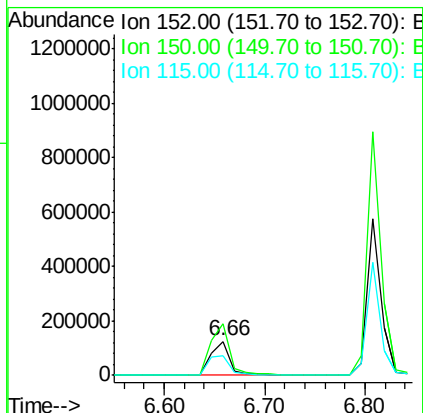
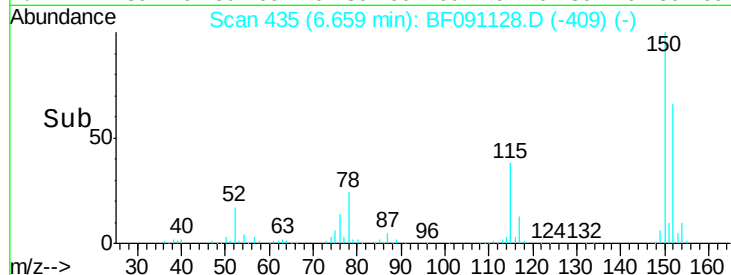
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.66 min Scan# 435
Delta R.T. 0.00 min
Lab File: BF091128.D
Acq: 9 Nov 2016 17:07

Instrument :
BNA_F
ClientSampleId :
HSR-WC-74-110716

Tgt Ion:152 Resp: 166167
Ion Ratio Lower Upper
152 100
150 151.5 126.8 190.2
115 56.9 53.3 79.9



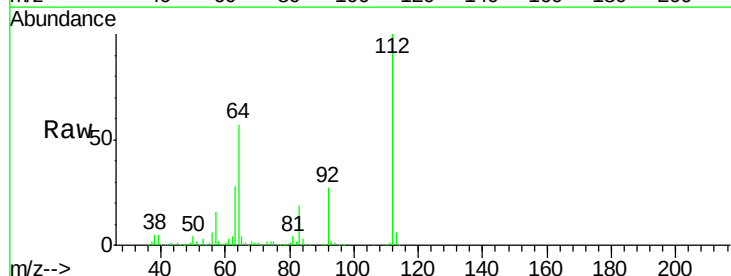
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



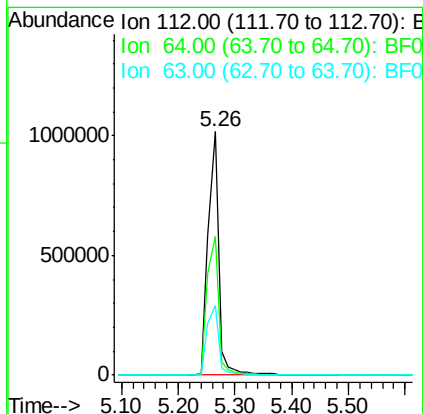
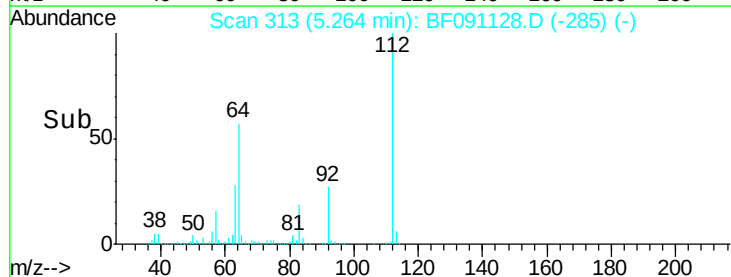
#5

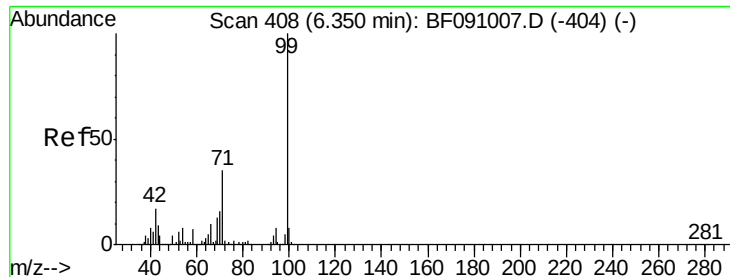
2-Fluorophenol
Concen: 125.66 ng
RT: 5.26 min Scan# 313
Delta R.T. 0.02 min
Lab File: BF091128.D
Acq: 9 Nov 2016 17:07

Tgt Ion:112 Resp: 1264280
Ion Ratio Lower Upper
112 100
64 56.7 55.8 83.6
63 28.5 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: 117.03 ng

RT: 6.32 min Scan# 405

Delta R.T. 0.00 min

Lab File: BF091128.D

Acq: 9 Nov 2016 17:07

Instrument :

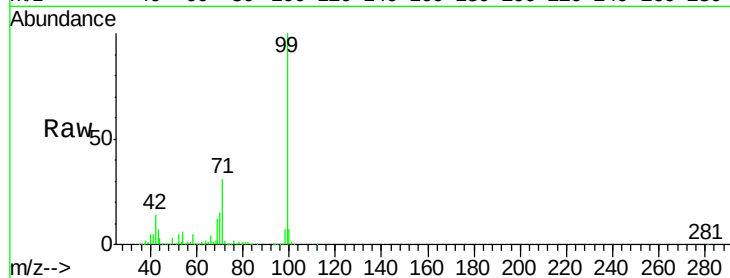
BNA_F

ClientSampleId :

HSR-WC-74-110716

Tgt Ion: 99 Resp: 1598236

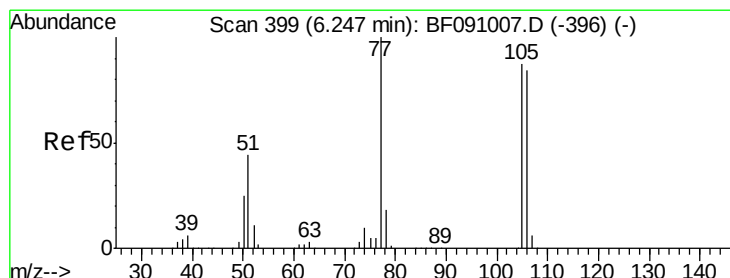
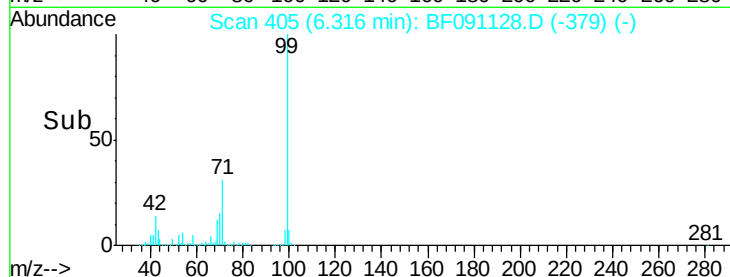
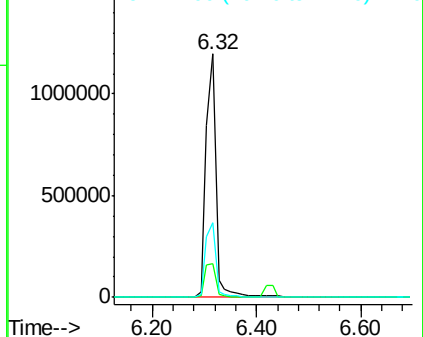
Ion	Ratio	Lower	Upper
99	100		
42	13.6	13.9	20.9#
71	30.8	27.8	41.8



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: 4.21 ng

RT: 6.43 min Scan# 415

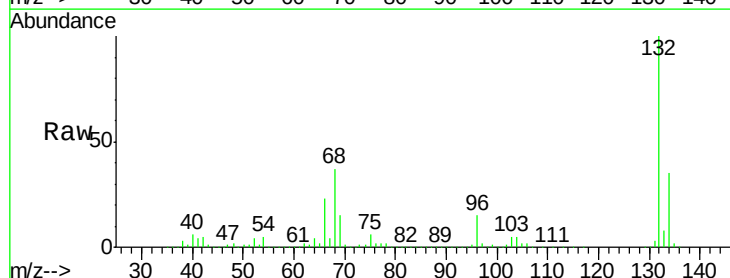
Delta R.T. 0.23 min

Lab File: BF091128.D

Acq: 9 Nov 2016 17:07

Tgt Ion: 77 Resp: 31930

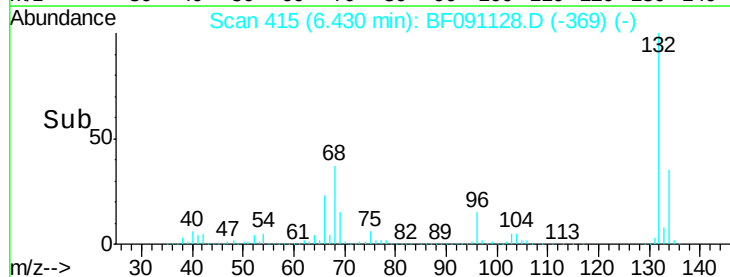
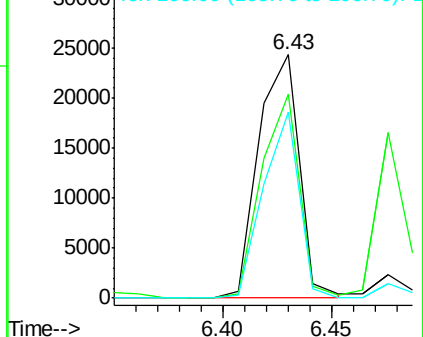
Ion	Ratio	Lower	Upper
77	100		
105	83.8	66.8	106.8
106	76.1	64.0	104.0

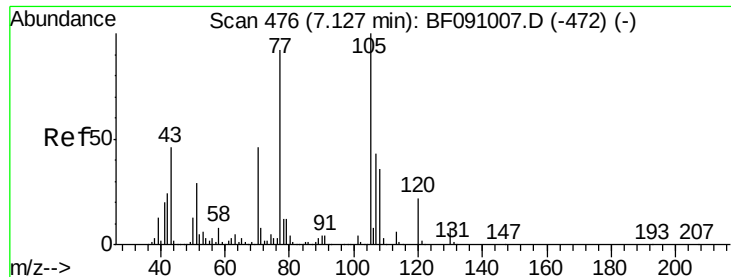


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 16.39 ng

RT: 7.22 min Scan# 484

Delta R.T. 0.13 min

Lab File: BF091128.D

Acq: 9 Nov 2016 17:07

Instrument :

BNA_F

ClientSampleId :

HSR-WC-74-110716

Tgt Ion: 70 Resp: 155090

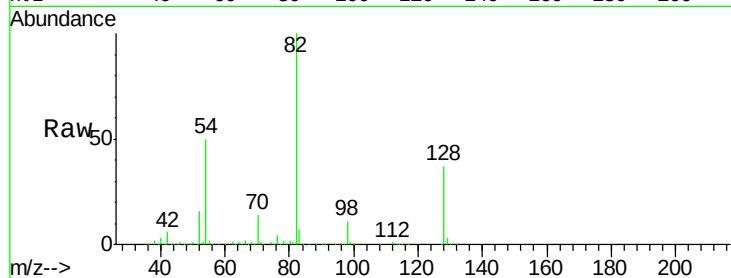
Ion Ratio Lower Upper

70 100

42 42.5 41.7 62.5

101 0.0 6.7 10.1#

130 2.0 13.8 20.8#

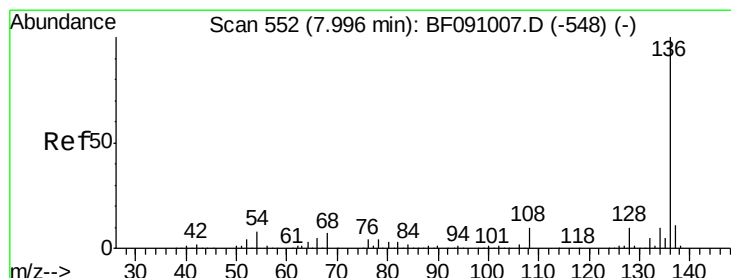
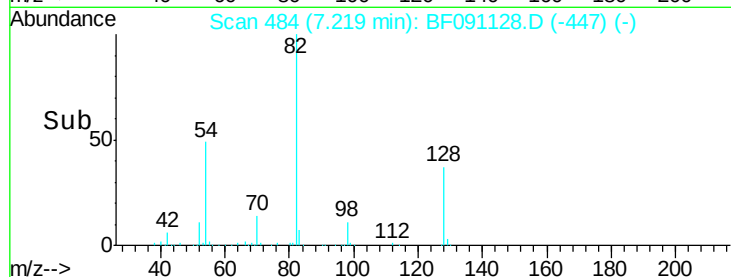
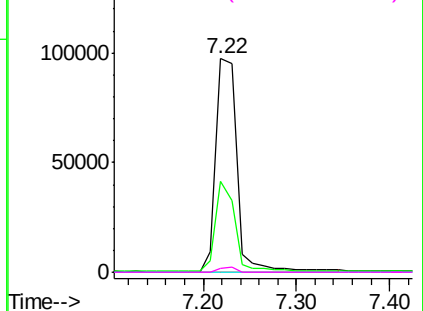


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF091128.D

Acq: 9 Nov 2016 17:07

Tgt Ion: 136 Resp: 729349

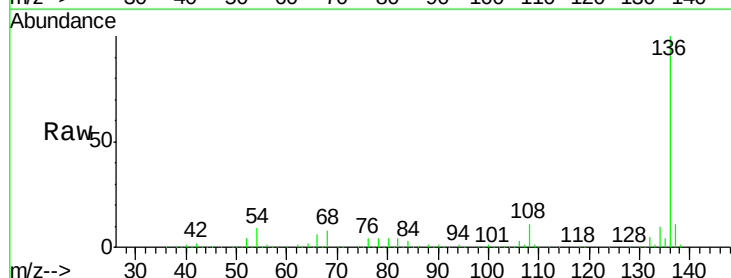
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 9.0 6.2 9.2

68 7.9 5.5 8.3

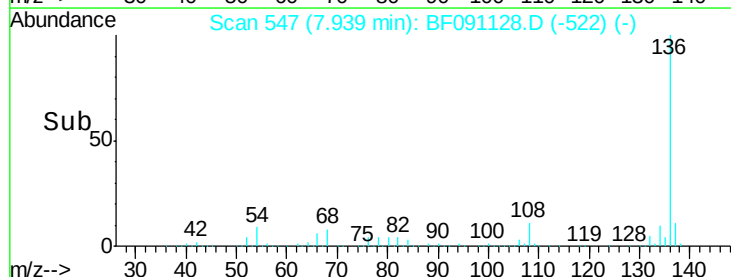
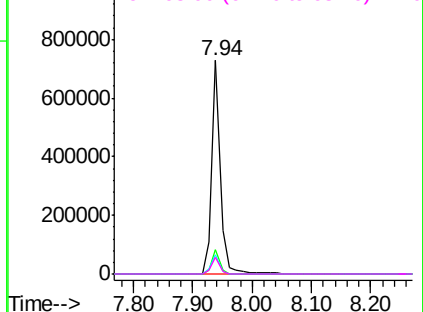


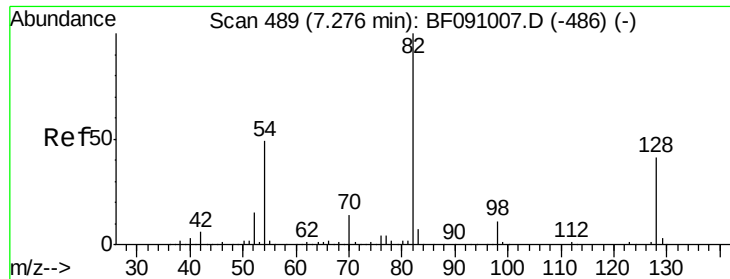
Abundance Ion 136.00 (135.70 to 136.70): E

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

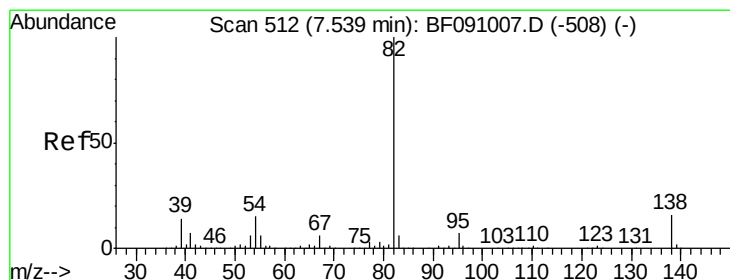
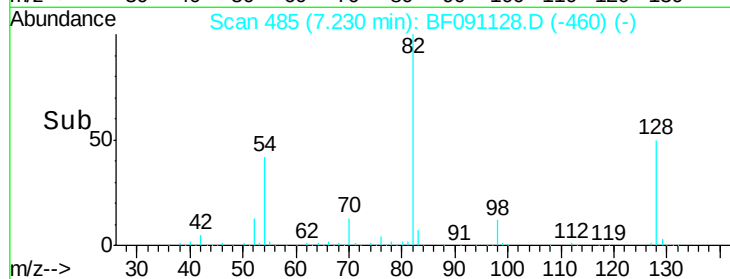
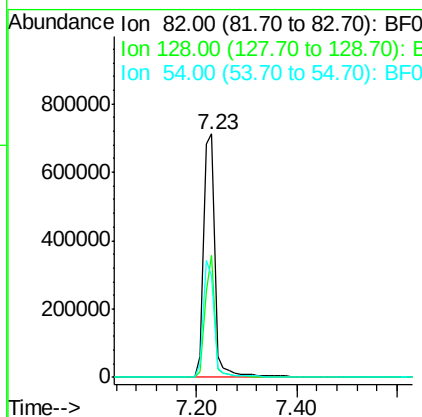
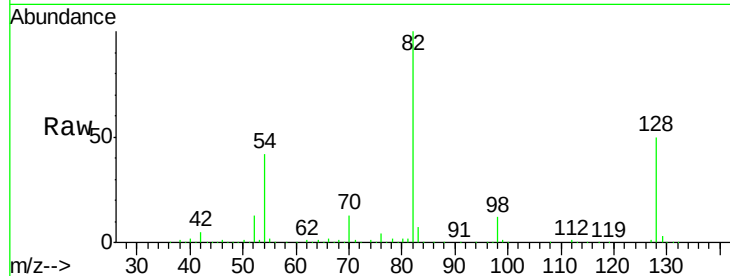




#23
 Nitrobenzene-d5
 Concen: 84.91 ng
 RT: 7.23 min Scan# 485
 Delta R.T. -0.01 min
 Lab File: BF091128.D
 Acq: 9 Nov 2016 17:07

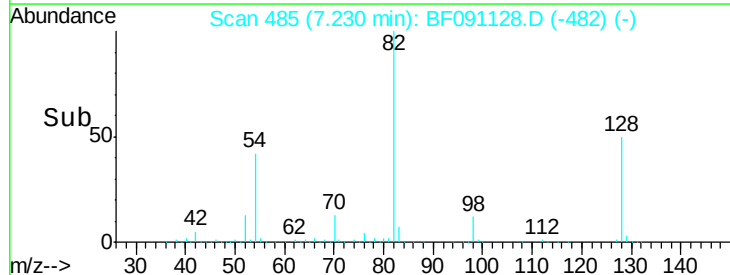
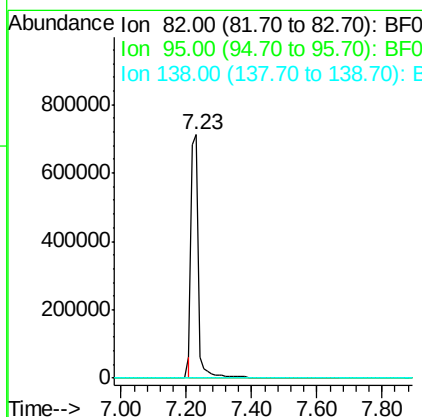
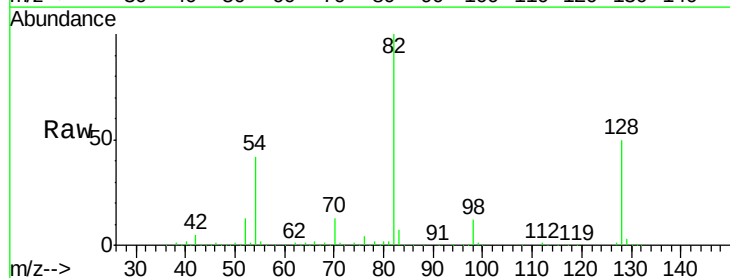
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-74-110716

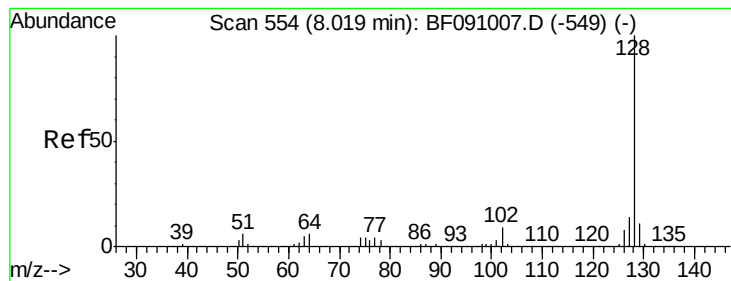
Tgt Ion: 82 Resp: 1135235
 Ion Ratio Lower Upper
 82 100
 128 50.3 32.4 48.6#
 54 41.8 39.2 58.8



#25
 Isophorone
 Concen: 42.01 ng
 RT: 7.23 min Scan# 485
 Delta R.T. -0.26 min
 Lab File: BF091128.D
 Acq: 9 Nov 2016 17:07

Tgt Ion: 82 Resp: 1082246
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.0#
 138 0.0 13.0 19.4#





#31

Naphthalene

Concen: 4.12 ng

RT: 7.96 min Scan# 549

Delta R.T. -0.01 min

Lab File: BF091128.D

Acq: 9 Nov 2016 17:07

Instrument :

BNA_F

ClientSampleId :

HSR-WC-74-110716

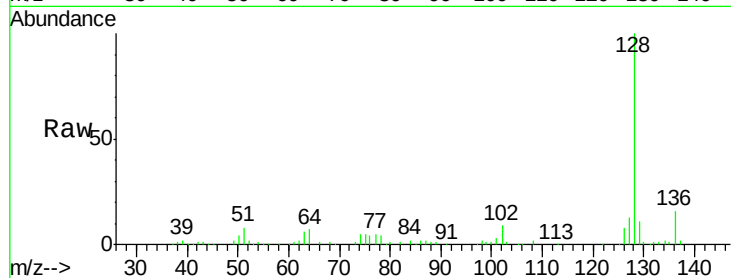
Tgt Ion:128 Resp: 143817

Ion Ratio Lower Upper

128 100

129 10.6 9.0 13.6

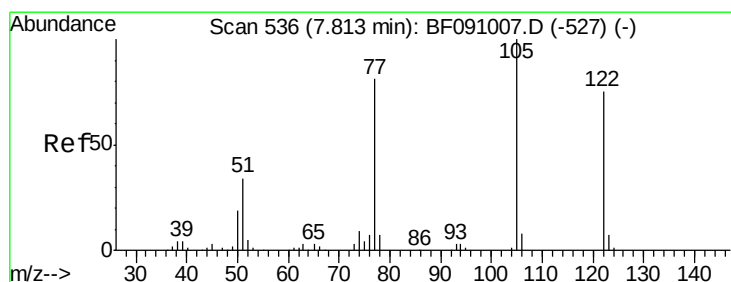
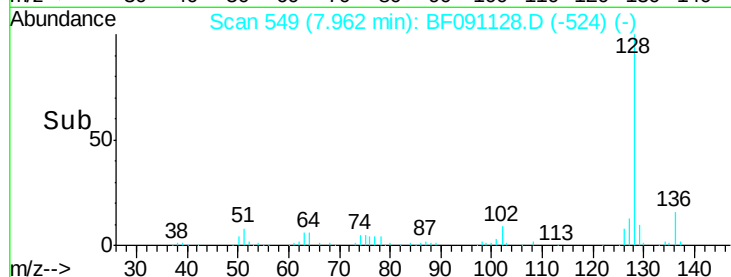
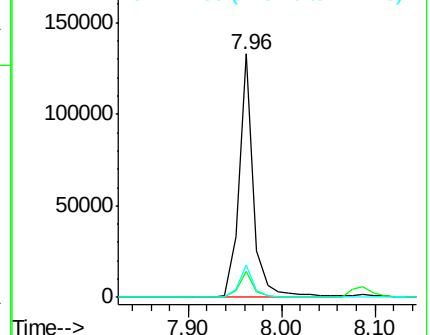
127 13.1 10.9 16.3



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



#32

Benzoic acid

Concen: 5.10 ng

RT: 7.96 min Scan# 549

Delta R.T. 0.18 min

Lab File: BF091128.D

Acq: 9 Nov 2016 17:07

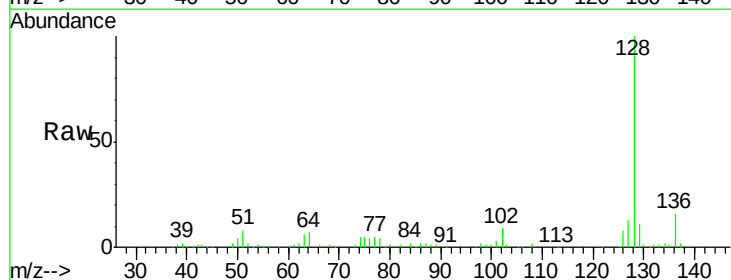
Tgt Ion:122 Resp: 247

Ion Ratio Lower Upper

122 100

105 94.7 105.9 145.9#

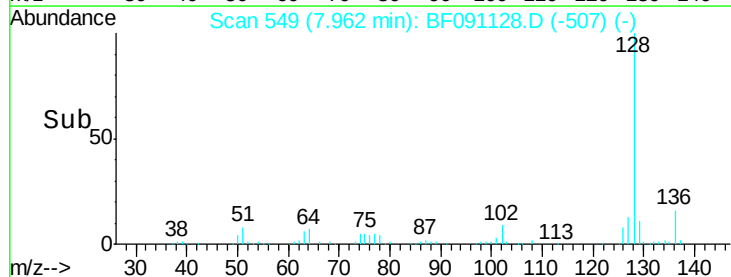
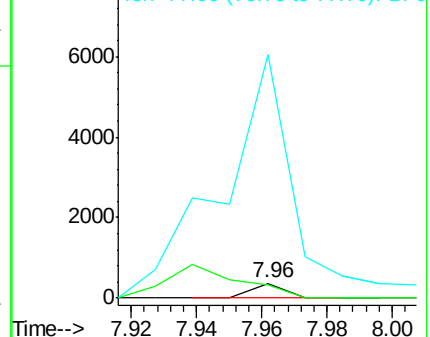
77 1681.1 84.0 124.0#

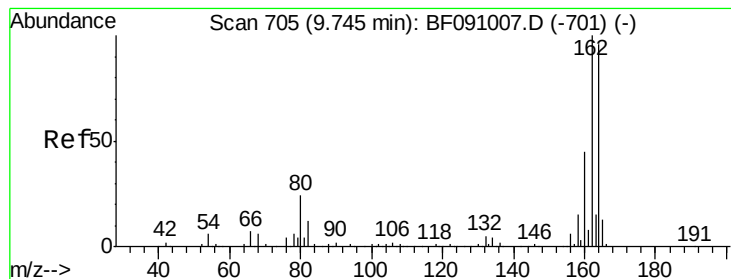


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.69 min Scan# 700

Delta R.T. -0.01 min

Lab File: BF091128.D

Acq: 9 Nov 2016 17:07

Instrument :

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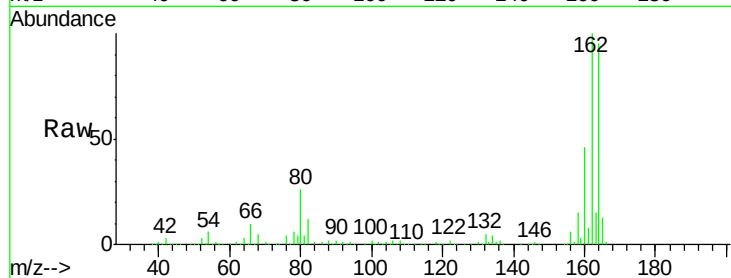
Tgt Ion:164 Resp: 367920

Ion Ratio Lower Upper

164 100

162 105.2 83.6 125.4

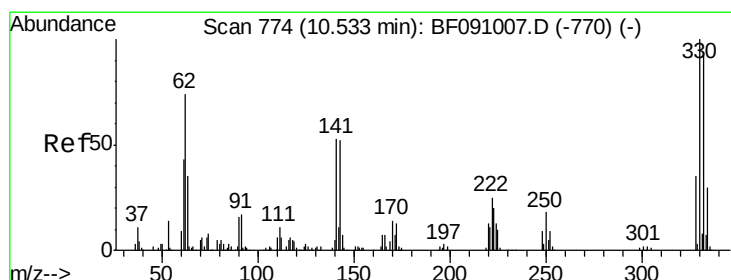
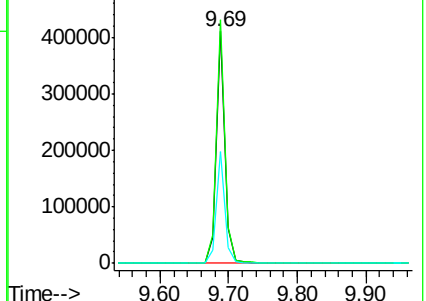
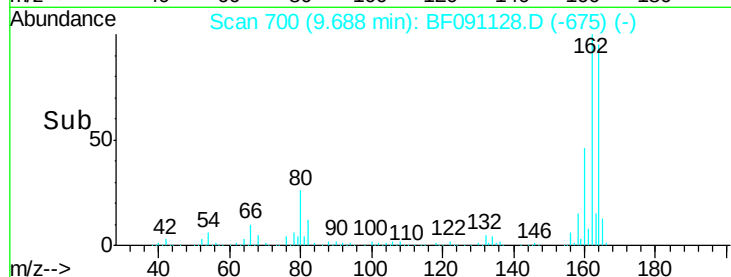
160 48.6 37.9 56.9



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: 133.17 ng

RT: 10.49 min Scan# 770

Delta R.T. 0.00 min

Lab File: BF091128.D

Acq: 9 Nov 2016 17:07

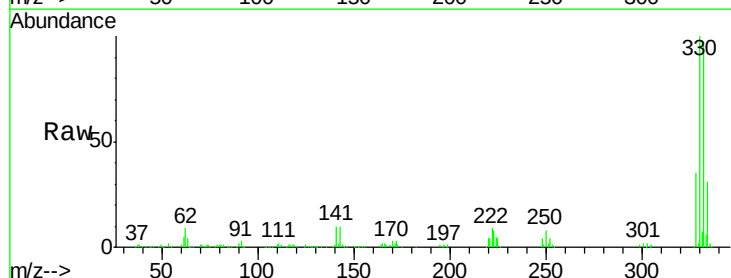
Tgt Ion:330 Resp: 442969

Ion Ratio Lower Upper

330 100

332 96.0 75.9 113.9

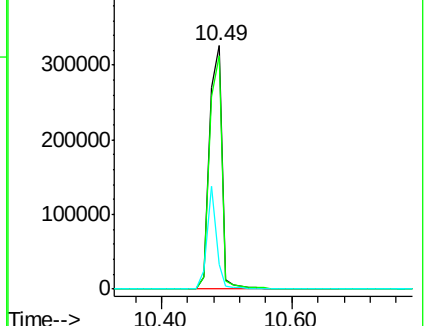
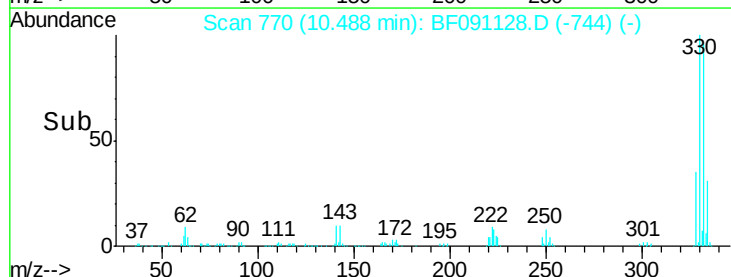
141 32.6 36.1 54.1#

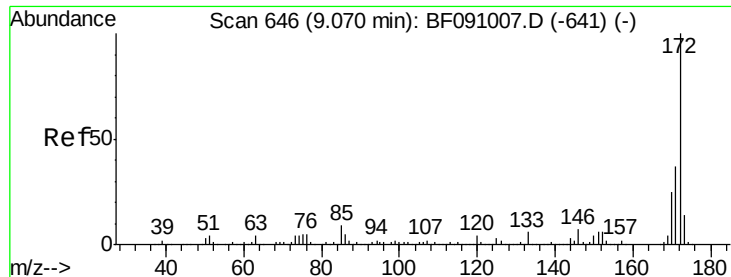


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

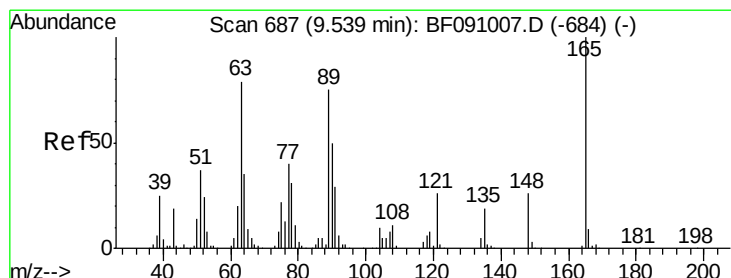
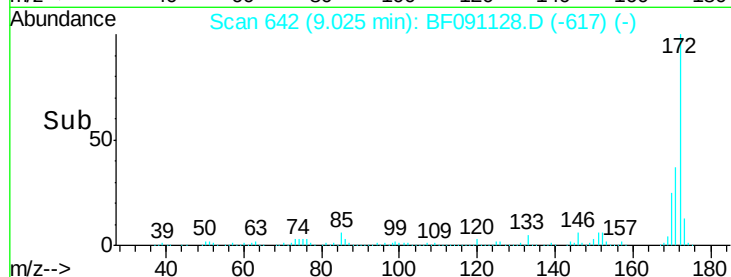
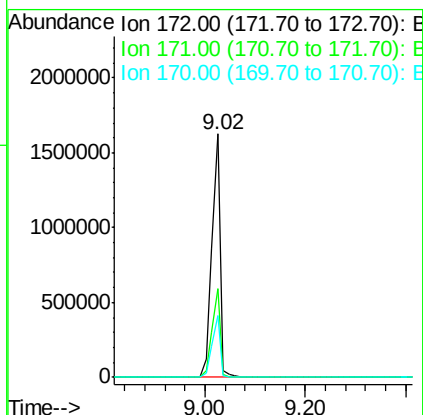
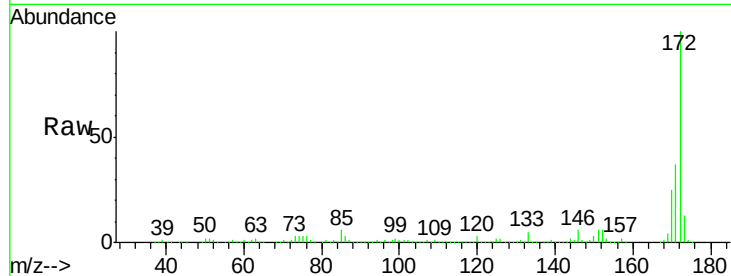




#44
 2-Fluorobiphenyl
 Concen: 87.69 ng
 RT: 9.02 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: BF091128.D
 Acq: 9 Nov 2016 17:07

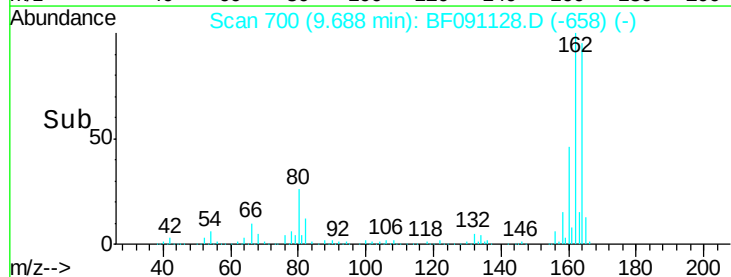
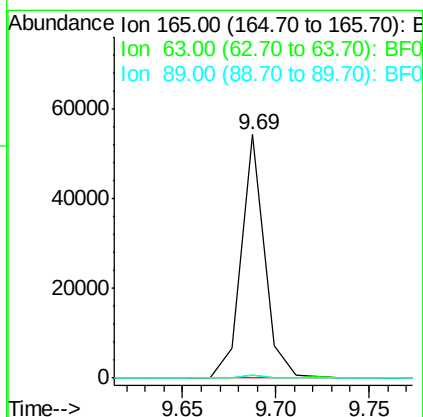
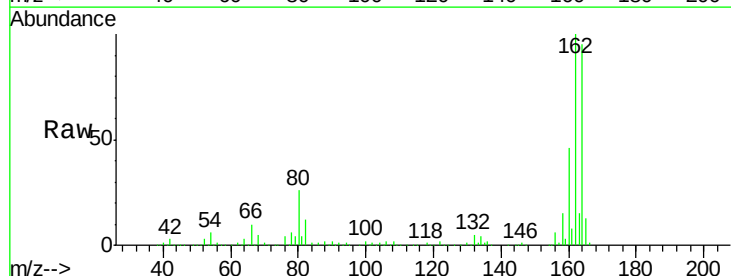
Instrument :
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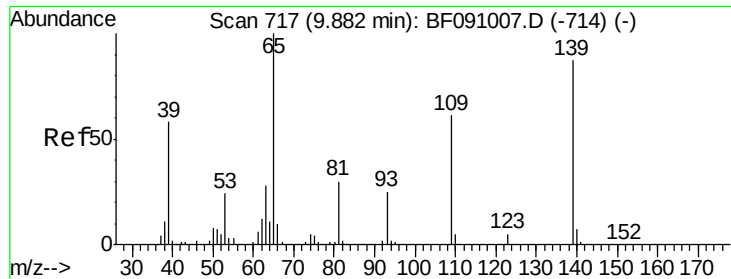
Tgt Ion:172 Resp: 1874043
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.8 44.6
 170 25.2 20.3 30.5



#50
 2,6-Dinitrotoluene
 Concen: 9.19 ng
 RT: 9.69 min Scan# 700
 Delta R.T. 0.18 min
 Lab File: BF091128.D
 Acq: 9 Nov 2016 17:07

Tgt Ion:165 Resp: 47498
 Ion Ratio Lower Upper
 165 100
 63 1.0 65.6 98.4#
 89 1.4 59.8 89.6#

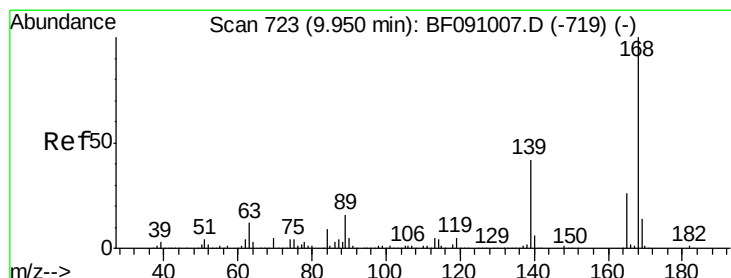
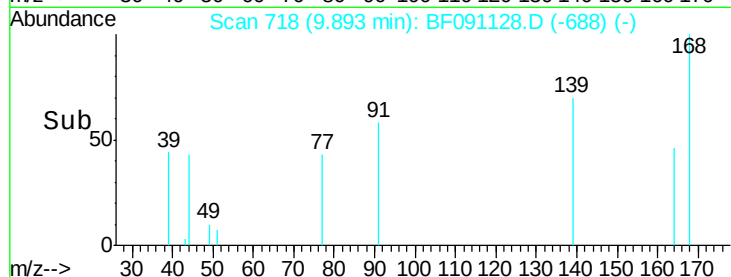
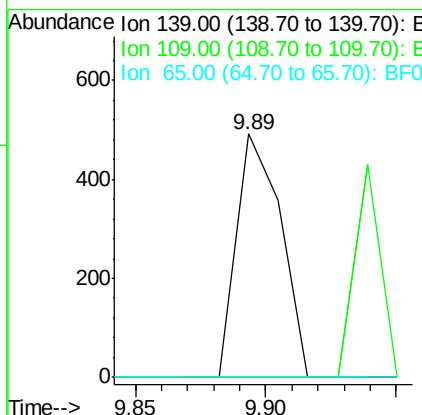
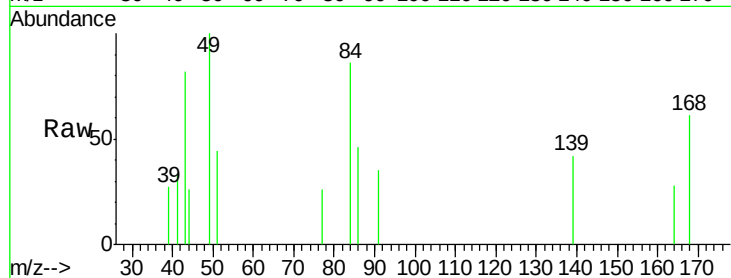




#55
4-Nitrophenol
Concen: 5.86 ng
RT: 9.89 min Scan# 718
Delta R.T. 0.05 min
Lab File: BF091128.D
Acq: 9 Nov 2016 17:07

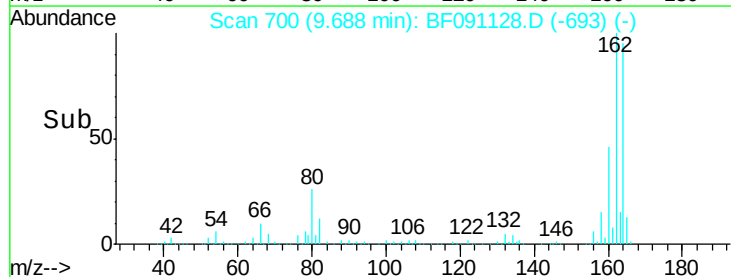
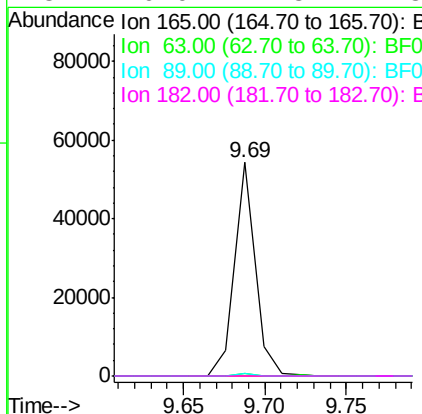
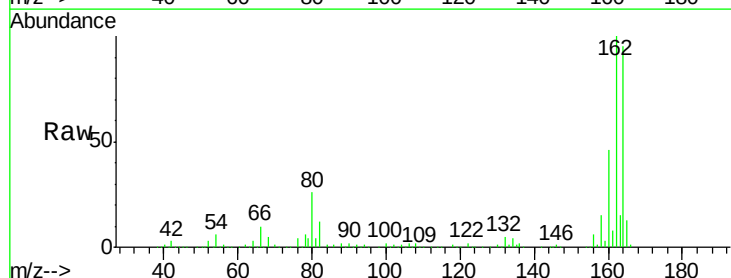
Instrument :
BNA_F
ClientSampleId :
HSR-WC-74-110716

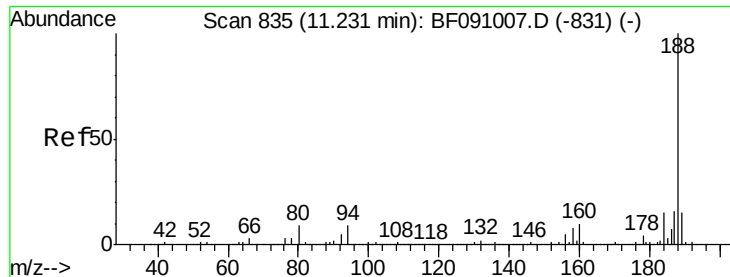
Tgt Ion:139 Resp: 582
Ion Ratio Lower Upper
139 100
109 0.0 50.5 90.5#
65 0.0 97.1 137.1#



#56
2,4-Dinitrotoluene
Concen: 7.22 ng
RT: 9.69 min Scan# 700
Delta R.T. -0.22 min
Lab File: BF091128.D
Acq: 9 Nov 2016 17:07

Tgt Ion:165 Resp: 47500
Ion Ratio Lower Upper
165 100
63 1.0 38.7 58.1#
89 1.4 50.6 76.0#
182 0.0 1.8 2.8#

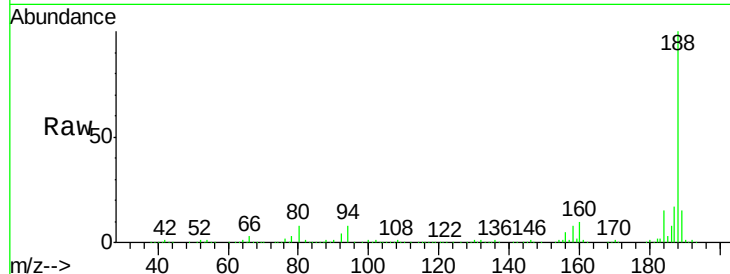




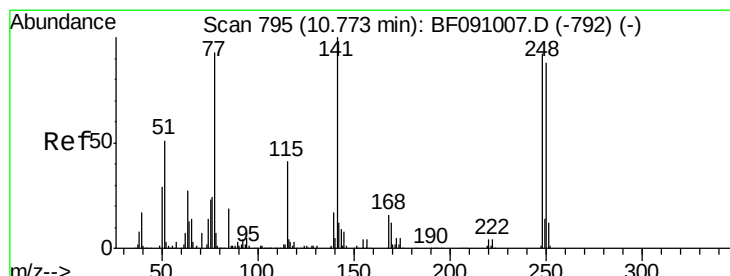
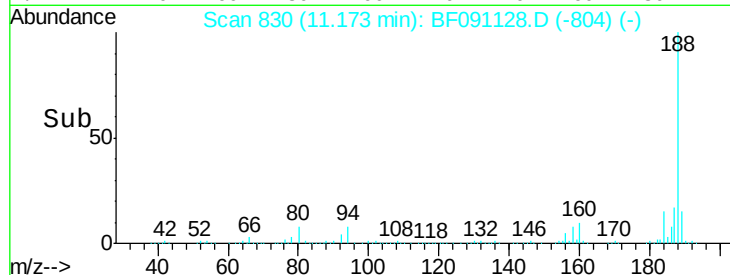
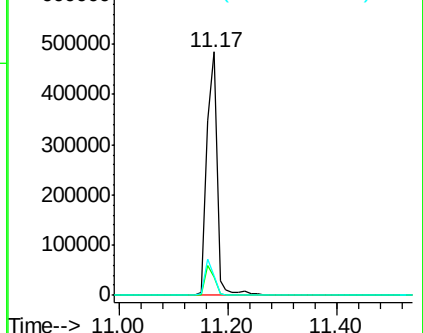
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.17 min Scan# 830
 Delta R.T. 0.00 min
 Lab File: BF091128.D
 Acq: 9 Nov 2016 17:07

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-74-110716

Tgt Ion:188 Resp: 628411
 Ion Ratio Lower Upper
 188 100
 94 7.6 7.0 10.4
 80 8.2 7.5 11.3

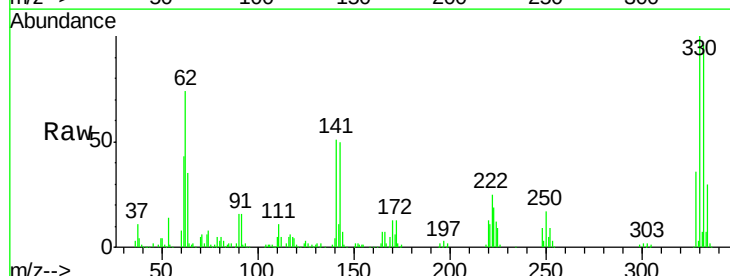


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

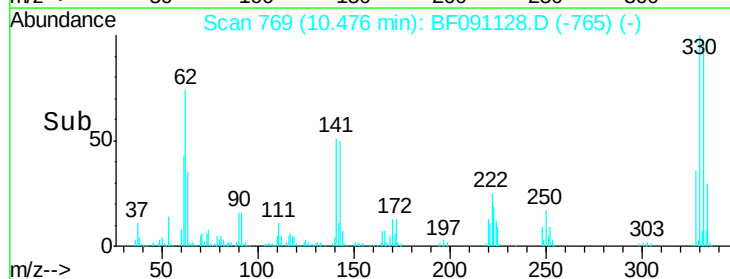
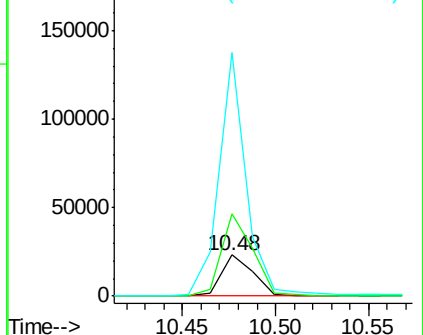


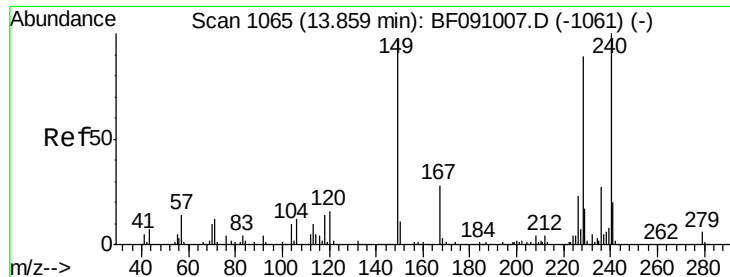
#66
 4-Bromophenyl-phenylether
 Concen: 4.19 ng
 RT: 10.48 min Scan# 769
 Delta R.T. -0.25 min
 Lab File: BF091128.D
 Acq: 9 Nov 2016 17:07

Tgt Ion:248 Resp: 27412
 Ion Ratio Lower Upper
 248 100
 250 200.1 76.3 114.5#
 141 592.7 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: BF091128.D

Acq: 9 Nov 2016 17:07

Instrument :

BNA_F

ClientSampleId :

HSR-WC-74-110716

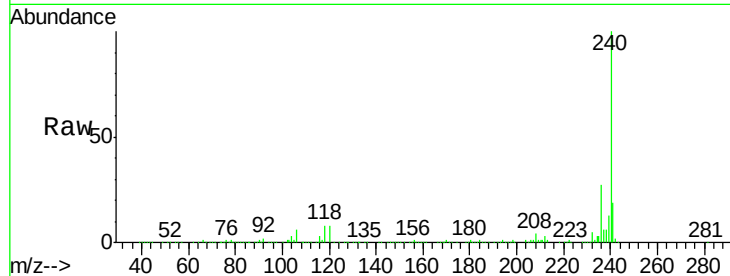
Tgt Ion:240 Resp: 479012

Ion Ratio Lower Upper

240 100

120 8.5 12.9 19.3#

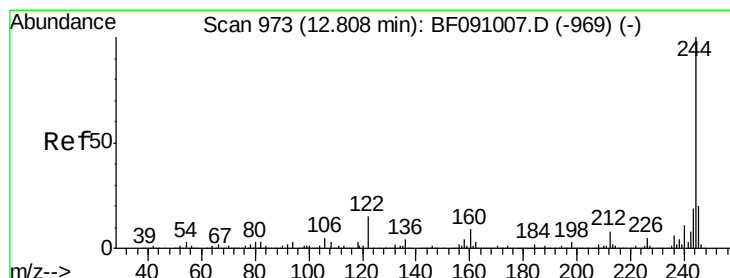
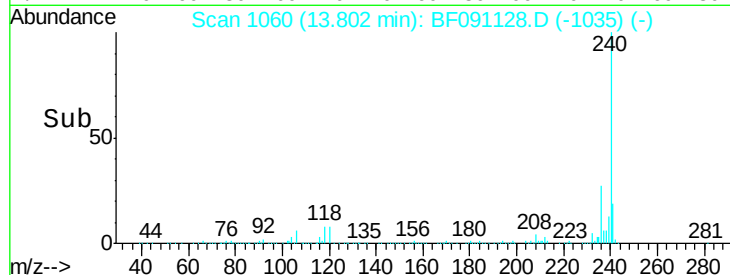
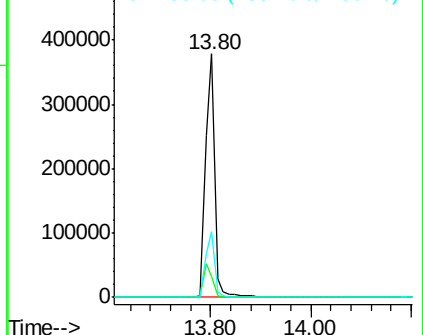
236 26.9 21.9 32.9



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: 101.75 ng

RT: 12.76 min Scan# 969

Delta R.T. 0.00 min

Lab File: BF091128.D

Acq: 9 Nov 2016 17:07

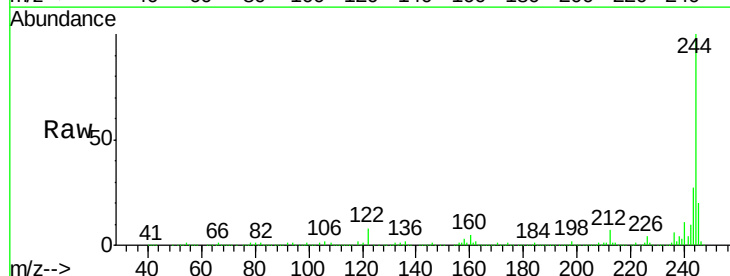
Tgt Ion:244 Resp: 1953158

Ion Ratio Lower Upper

244 100

212 6.8 6.4 9.6

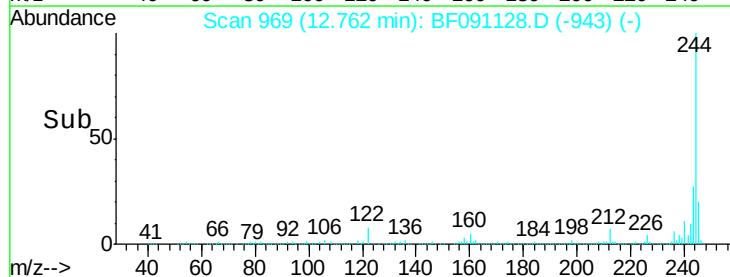
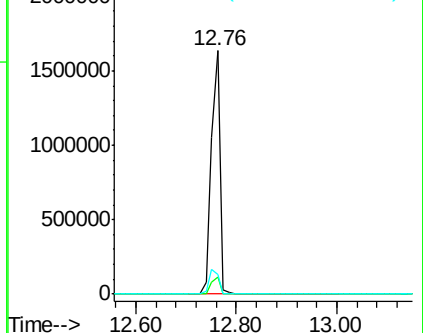
122 7.9 12.3 18.5#

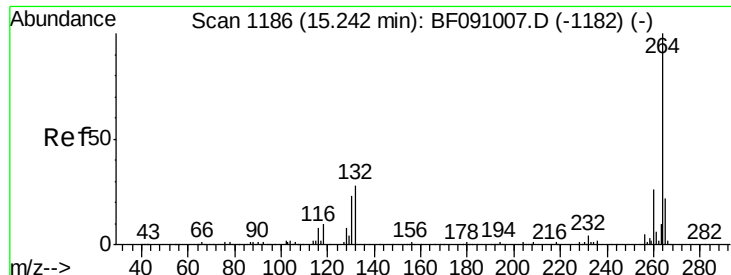


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

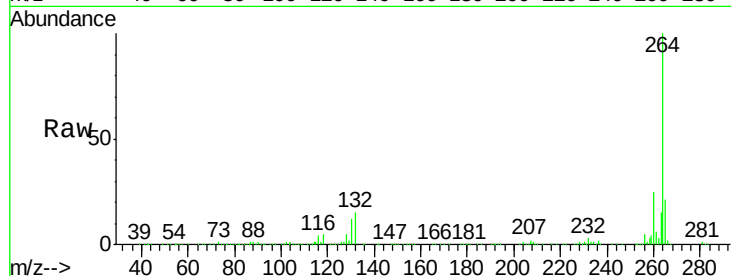




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1180
Delta R.T. -0.01 min
Lab File: BF091128.D
Acq: 9 Nov 2016 17:07

Instrument :
BNA_F
ClientSampleId :
HSR-WC-74-110716

Tgt Ion: 264 Resp: 328013
Ion Ratio Lower Upper
264 100
260 25.1 20.6 30.8
265 21.4 17.8 26.8



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

