

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102616\
 Data File : BF090858.D
 Acq On : 26 Oct 2016 23:32
 Operator : UM/SJ
 Sample : H5403-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C0AA3

Quant Time: Oct 27 01:24:12 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 26 16:35:31 2016
 Response via : Initial Calibration

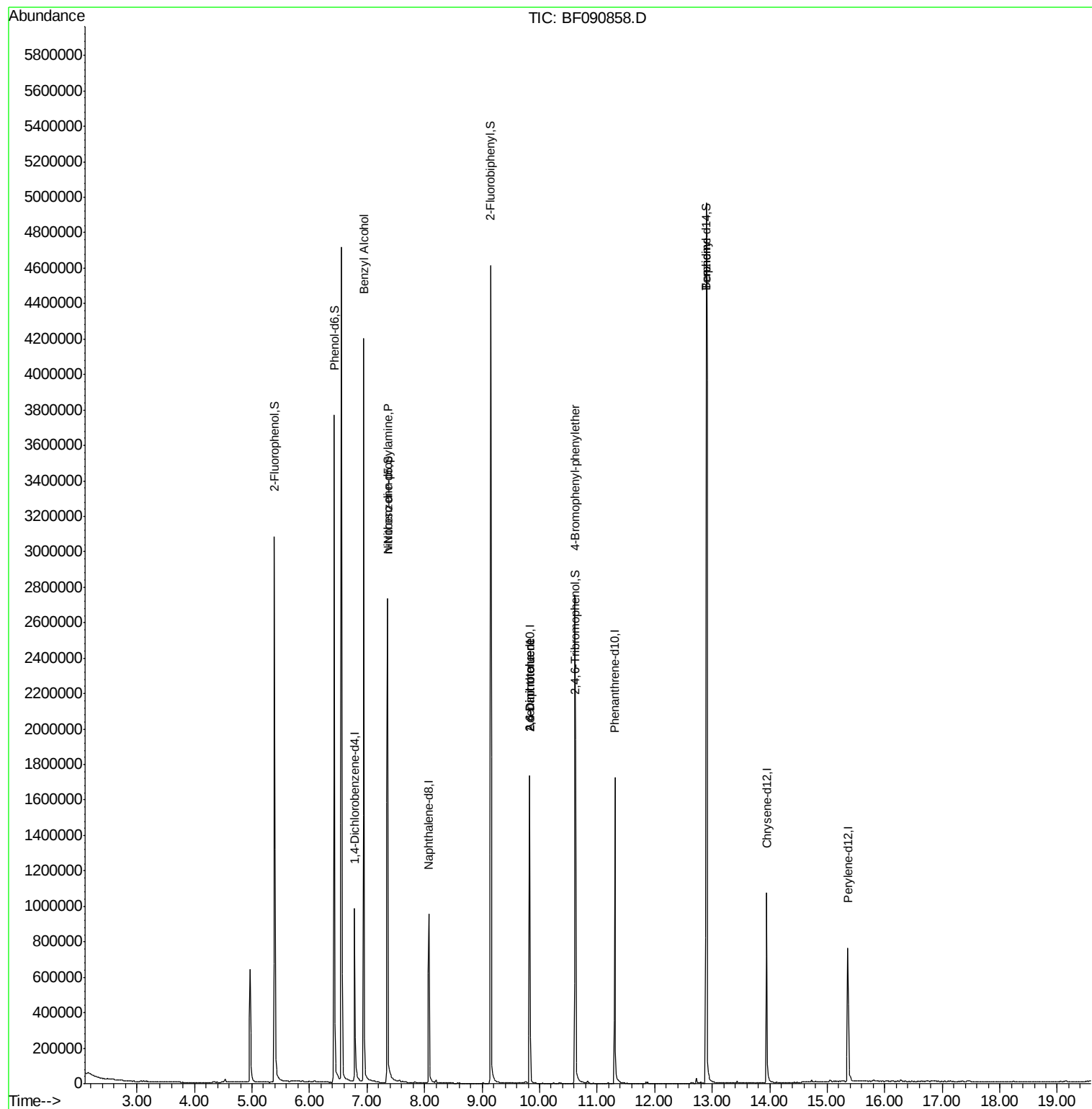
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	167855	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	663217	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	368979	20.00	ng	-0.02
63) Phenanthrene-d10	11.31	188	659130	20.00	ng	-0.01
75) Chrysene-d12	13.95	240	525328	20.00	ng	-0.01
86) Perylene-d12	15.36	264	357243	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1200318	125.03	ng	0.00
7) Phenol-d6	6.43	99	1628311	125.72	ng	-0.01
23) Nitrobenzene-d5	7.36	82	1274209	125.77	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	602280	158.83	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	1986593	94.54	ng	-0.02
78) Terphenyl-d14	12.90	244	2430951	116.58	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	6.94	79	20284	2.38	ng	# 31
19) n-Nitroso-di-n-propylamine	7.36	70	169899	22.69	ng	# 50
50) 2,6-Dinitrotoluene	9.82	165	47670	8.76	ng	# 39
56) 2,4-Dinitrotoluene	9.82	165	47903	7.08	ng	# 33
66) 4-Bromophenyl-phenylether	10.61	248	34883	4.83	ng	# 1
76) Benzidine	12.90	184	28656	2.50	ng	# 93

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

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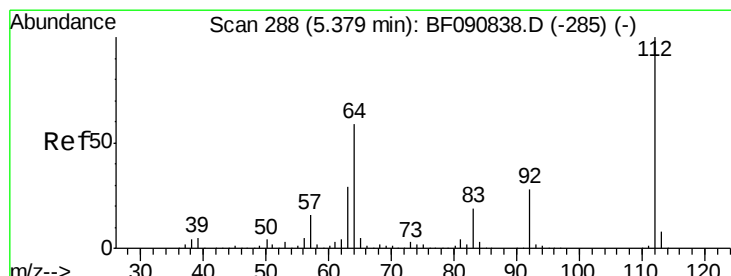
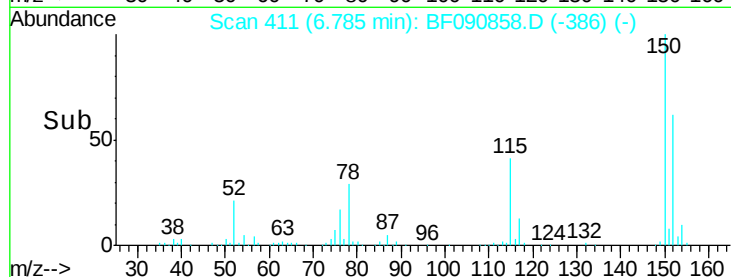
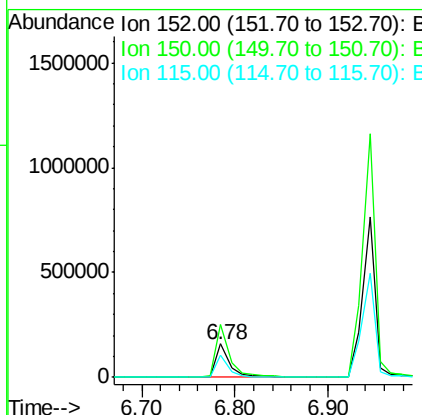
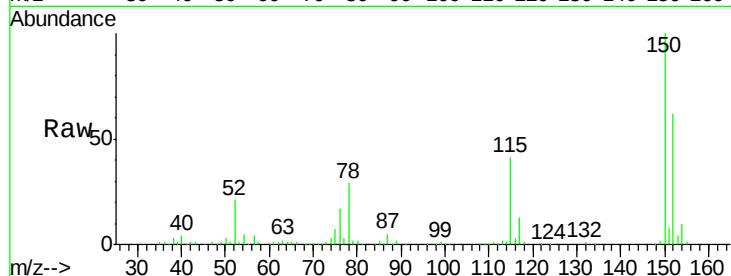




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.78 min Scan# 411
 Delta R.T. -0.01 min
 Lab File: BF090858.D
 Acq: 26 Oct 2016 23:32

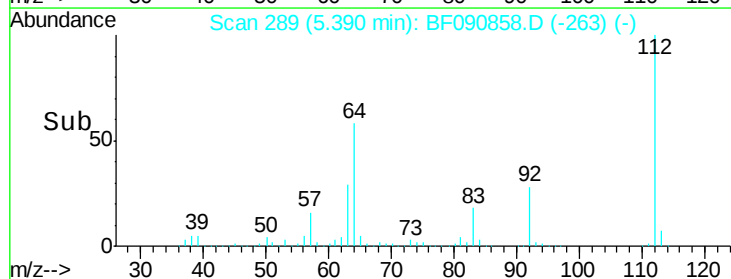
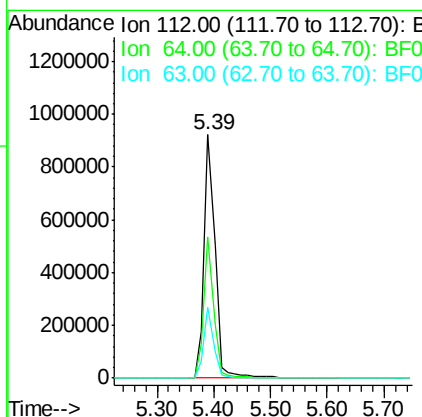
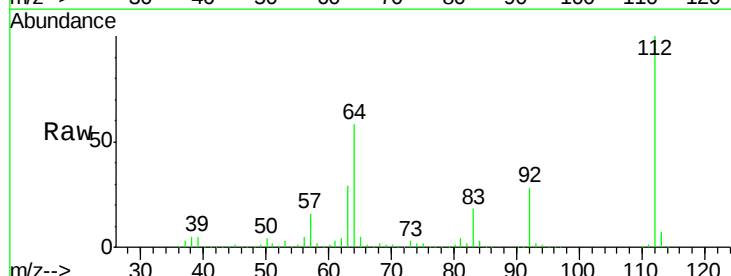
Instrument :
 BNA_F
 ClientSampleId :
 C0AA3

Tgt Ion:152 Resp: 167855
 Ion Ratio Lower Upper
 152 100
 150 160.4 124.7 187.1
 115 65.8 39.0 58.4#



#5
 2-Fluorophenol
 Concen: 125.03 ng
 RT: 5.39 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: BF090858.D
 Acq: 26 Oct 2016 23:32

Tgt Ion:112 Resp: 1200318
 Ion Ratio Lower Upper
 112 100
 64 57.9 39.7 59.5
 63 29.3 17.4 26.0#





#7

Phenol-d6

Concen: 125.72 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF090858.D

Acq: 26 Oct 2016 23:32

Instrument :

BNA_F

ClientSampleId :

C0AA3

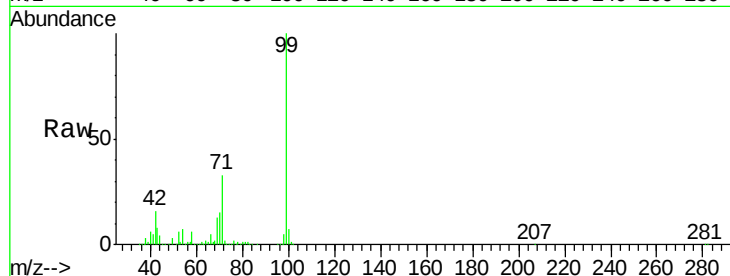
Tgt Ion: 99 Resp: 1628311

Ion Ratio Lower Upper

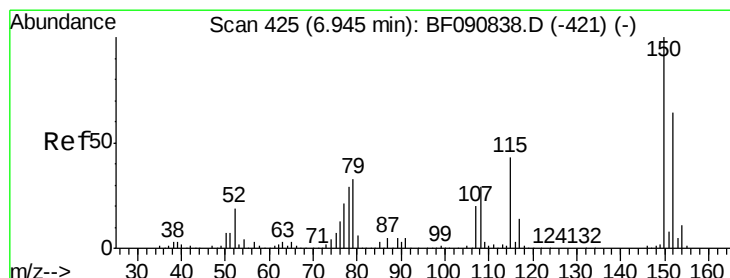
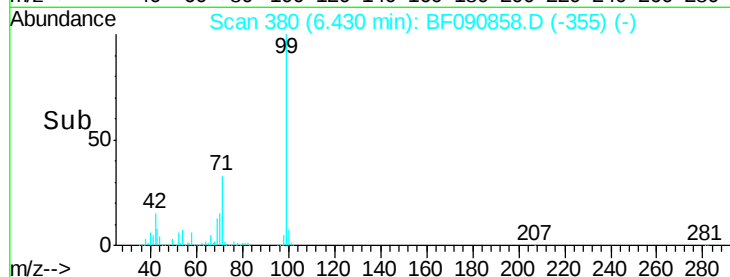
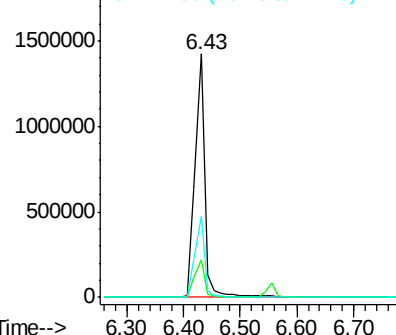
99 100

42 15.5 13.7 20.5

71 33.3 14.2 21.2#



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



#15

Benzyl Alcohol

Concen: 2.38 ng

RT: 6.94 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF090858.D

Acq: 26 Oct 2016 23:32

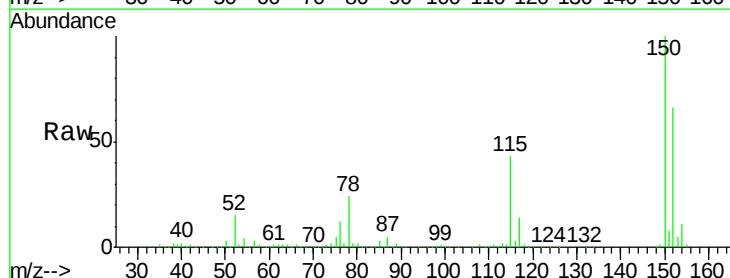
Tgt Ion: 79 Resp: 20284

Ion Ratio Lower Upper

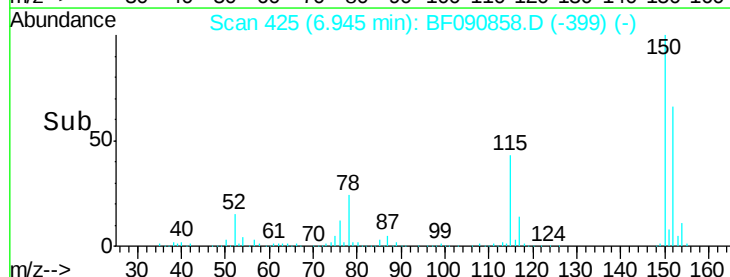
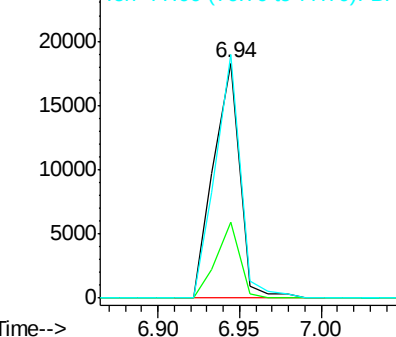
79 100

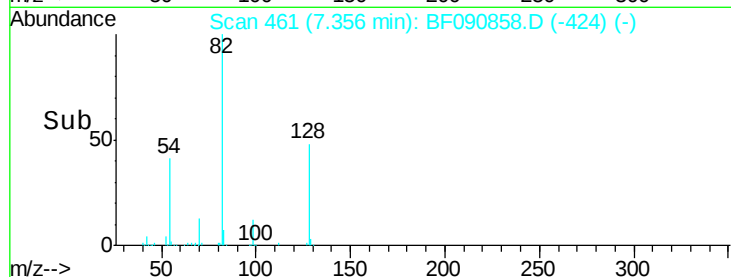
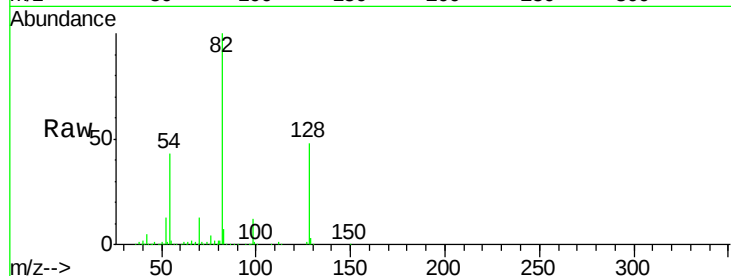
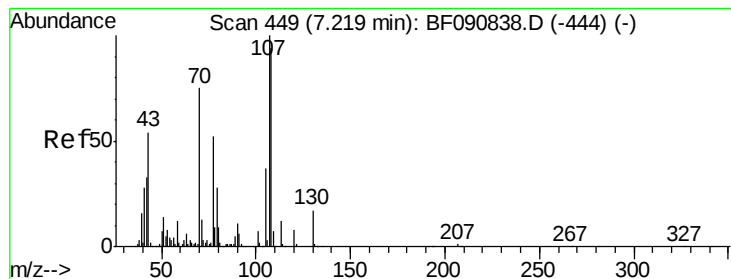
108 32.1 88.6 132.8#

77 103.8 47.0 70.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 22.69 ng

RT: 7.36 min Scan# 461

Delta R.T. 0.13 min

Lab File: BF090858.D

Acq: 26 Oct 2016 23:32

Instrument :

BNA_F

ClientSampleId :

C0AA3

Tgt Ion: 70 Resp: 169899

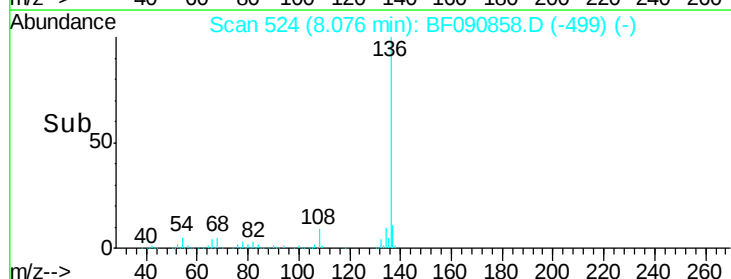
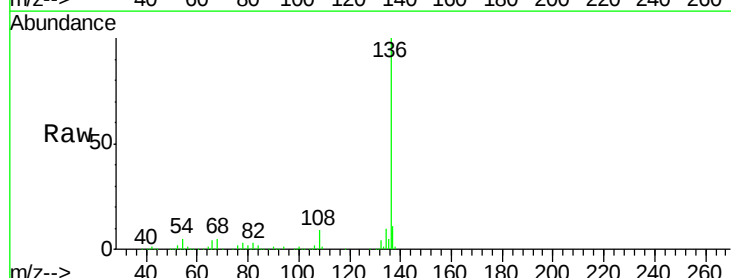
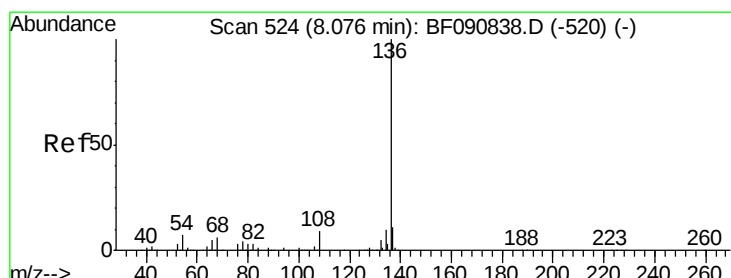
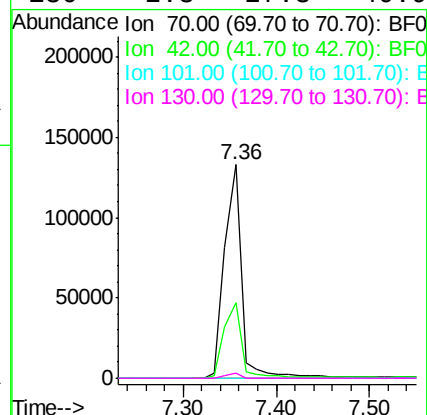
Ion Ratio Lower Upper

70 100

42 35.2 63.8 95.6#

101 0.0 9.2 13.8#

130 2.3 27.3 40.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.01 min

Lab File: BF090858.D

Acq: 26 Oct 2016 23:32

Tgt Ion: 136 Resp: 663217

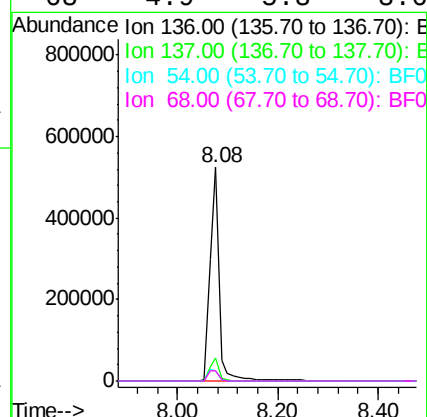
Ion Ratio Lower Upper

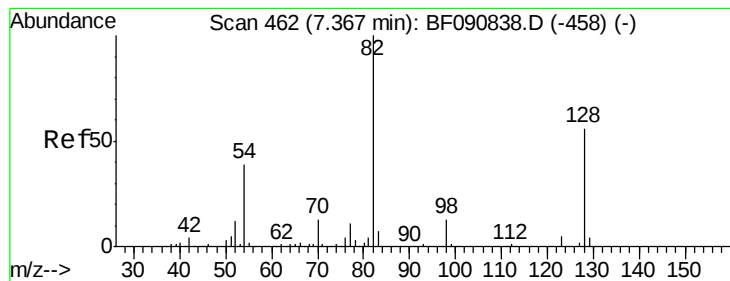
136 100

137 10.8 9.0 13.6

54 4.8 8.2 12.2#

68 4.9 5.8 8.6#





#23

Nitrobenzene-d5

Concen: 125.77 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF090858.D

Acq: 26 Oct 2016 23:32

Instrument :

BNA_F

ClientSampleId :

C0AA3

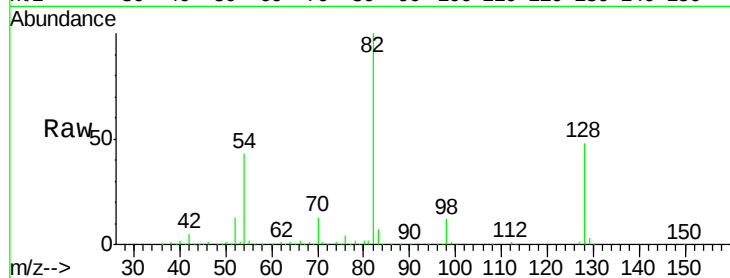
Tgt Ion: 82 Resp: 1274209

Ion Ratio Lower Upper

82 100

128 48.1 51.0 76.6#

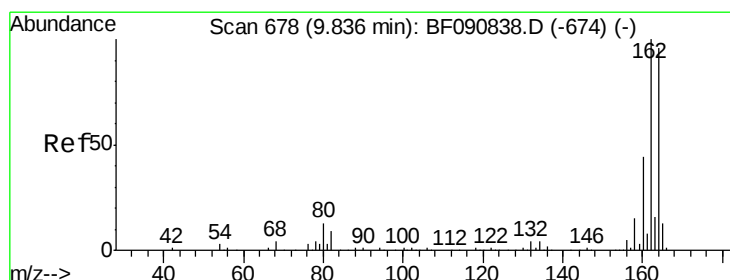
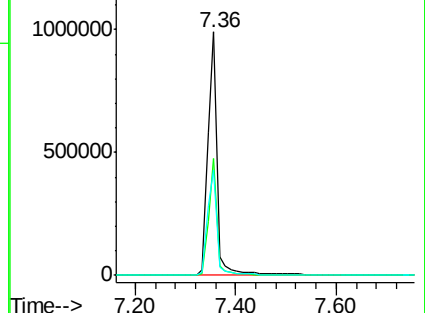
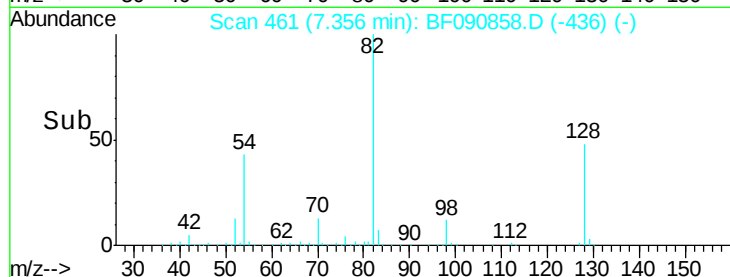
54 43.2 47.5 71.3#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.02 min

Lab File: BF090858.D

Acq: 26 Oct 2016 23:32

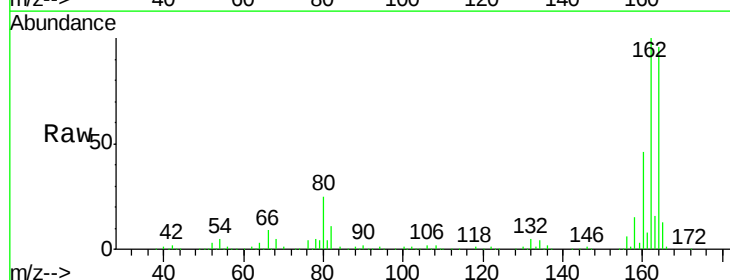
Tgt Ion: 164 Resp: 368979

Ion Ratio Lower Upper

164 100

162 104.2 75.2 112.8

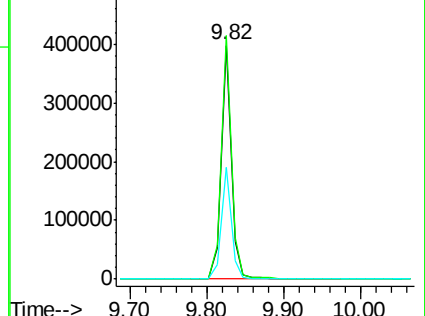
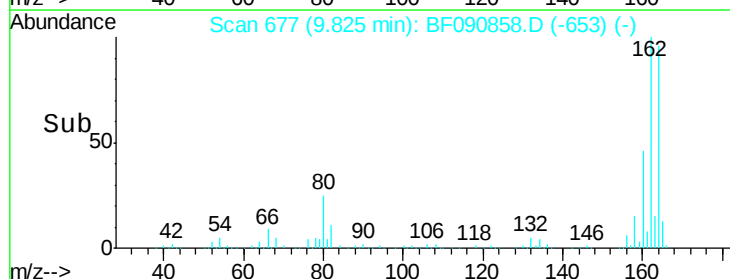
160 47.6 31.5 47.3#

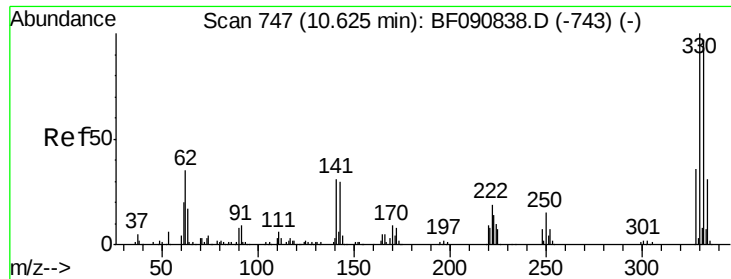


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

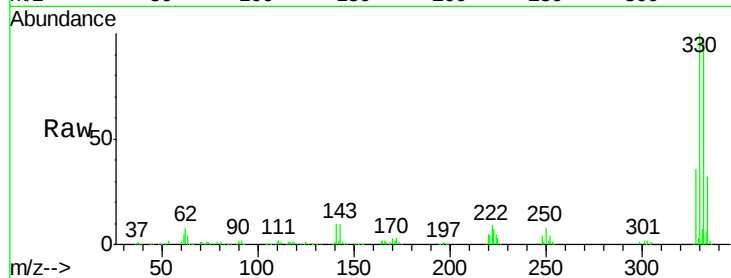




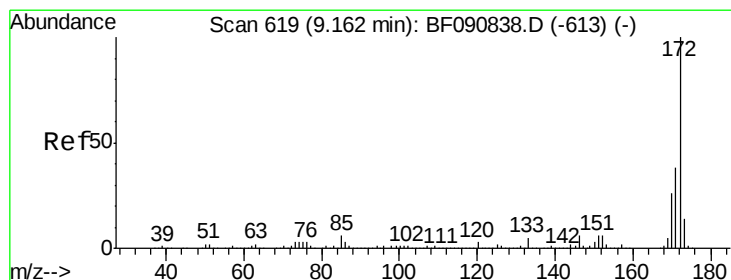
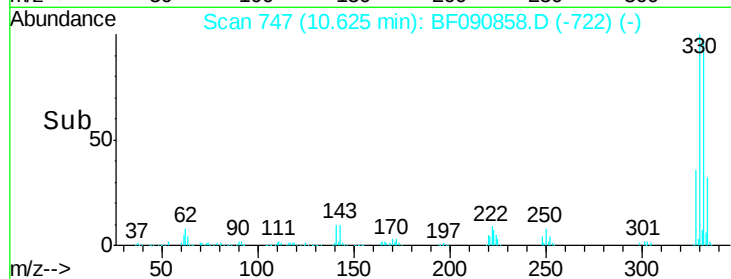
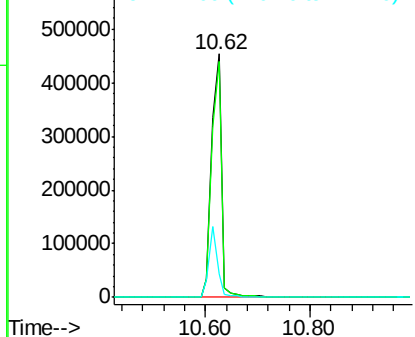
#41
 2,4,6-Tribromophenol
 Concen: 158.83 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF090858.D
 Acq: 26 Oct 2016 23:32

Instrument :
 BNA_F
 ClientSampleId :
 C0AA3

Tgt Ion:330 Resp: 602280
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.6 114.8
 141 25.8 29.7 44.5#

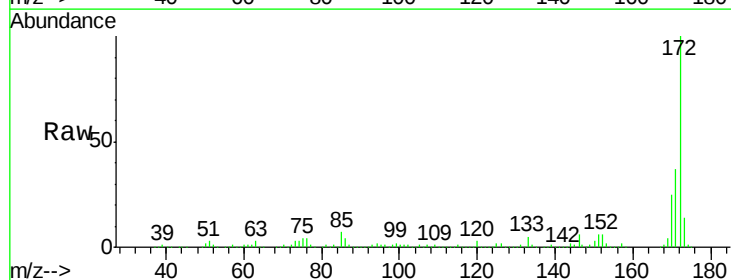


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

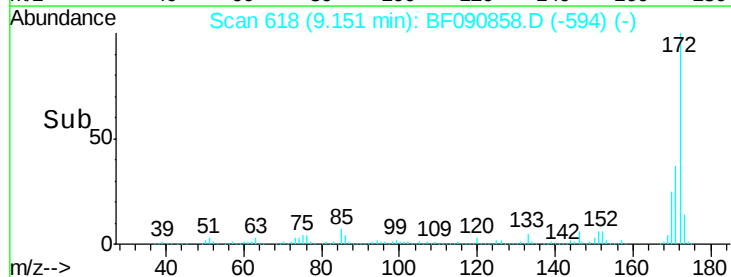
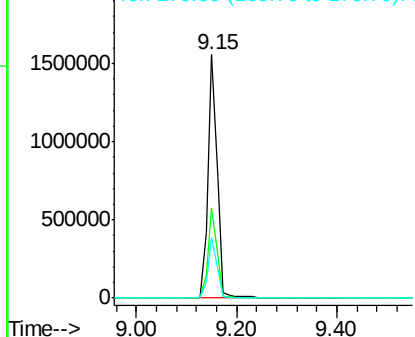


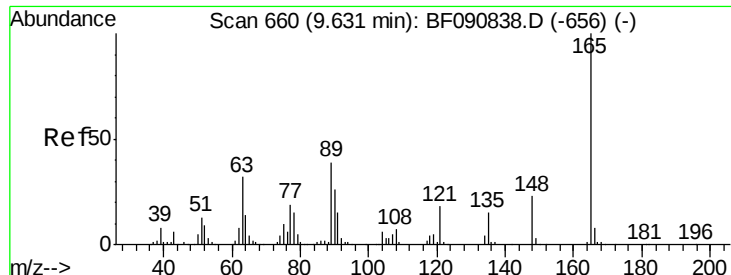
#44
 2-Fluorobiphenyl
 Concen: 94.54 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.02 min
 Lab File: BF090858.D
 Acq: 26 Oct 2016 23:32

Tgt Ion:172 Resp: 1986593
 Ion Ratio Lower Upper
 172 100
 171 37.0 26.1 39.1
 170 25.1 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

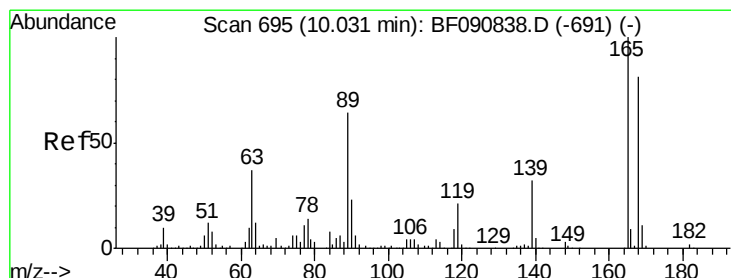
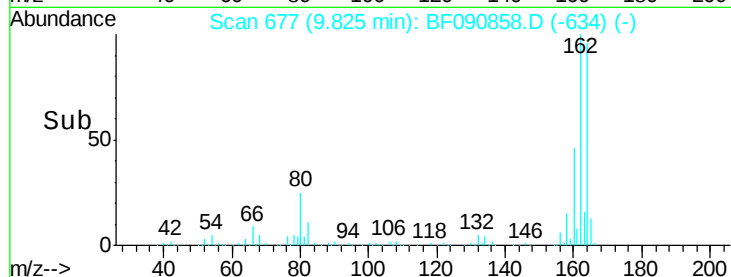
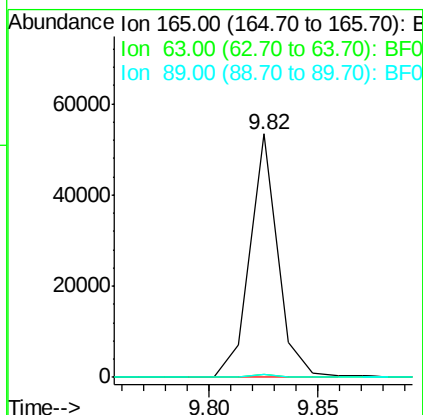
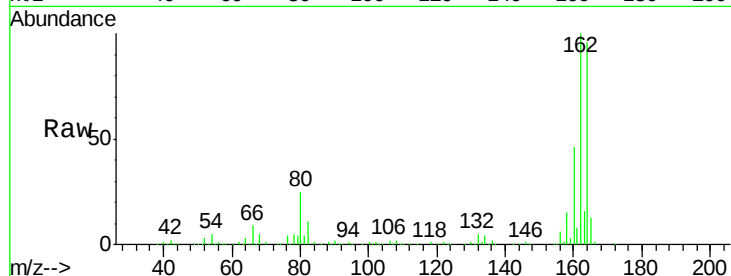




#50
 2,6-Dinitrotoluene
 Concen: 8.76 ng
 RT: 9.82 min Scan# 677
 Delta R.T. 0.19 min
 Lab File: BF090858.D
 Acq: 26 Oct 2016 23:32

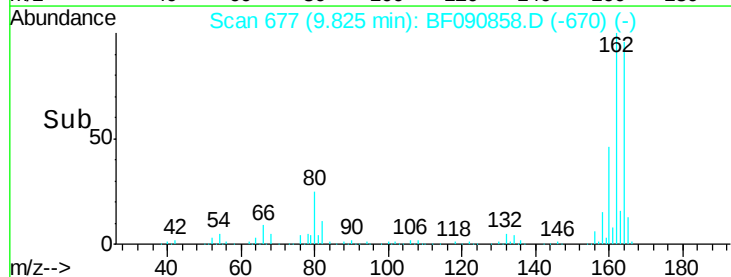
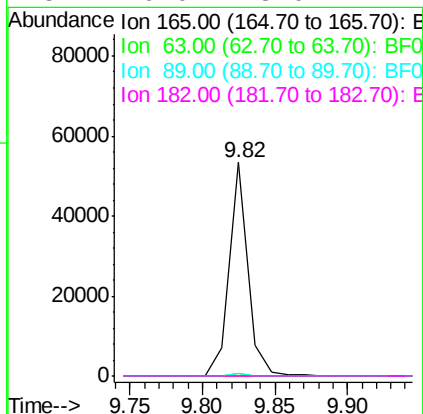
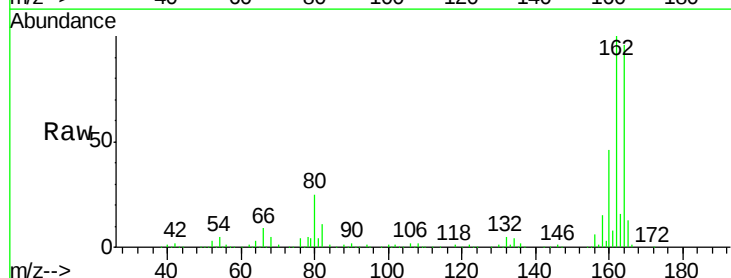
Instrument :
 BNA_F
 ClientSampleId :
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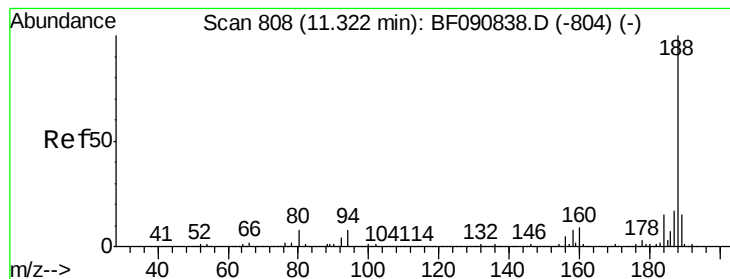
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	32.3	48.5#
89	1.2	28.6	43.0#



#56
 2,4-Dinitrotoluene
 Concen: 7.08 ng
 RT: 9.82 min Scan# 677
 Delta R.T. -0.22 min
 Lab File: BF090858.D
 Acq: 26 Oct 2016 23:32

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	29.8	44.6#
89	1.2	44.5	66.7#
182	0.0	3.0	4.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.31 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF090858.D

Acq: 26 Oct 2016 23:32

Instrument :

BNA_F

ClientSampleId :

C0AA3

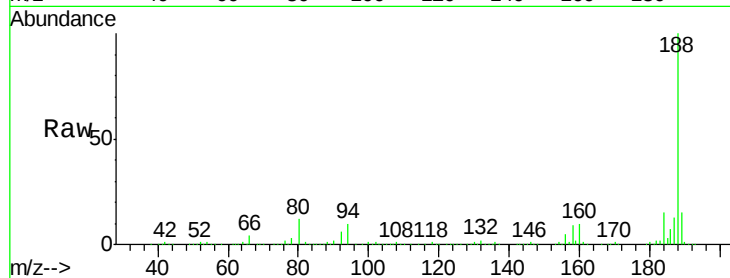
Tgt Ion:188 Resp: 659130

Ion Ratio Lower Upper

188 100

94 10.5 11.1 16.7#

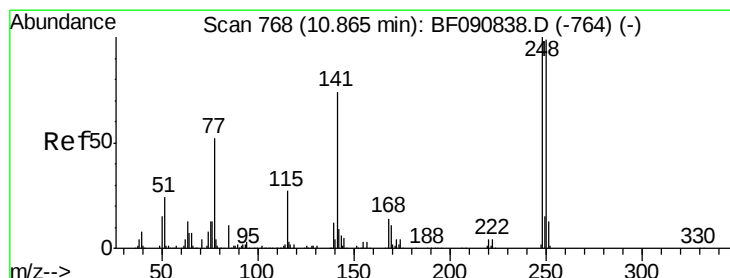
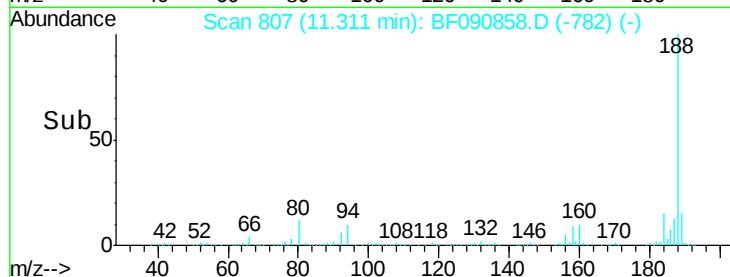
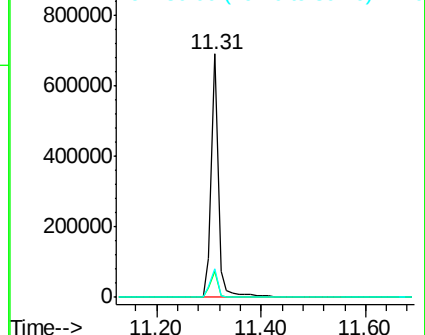
80 11.7 11.0 16.4



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



#66

4-Bromophenyl-phenylether

Concen: 4.83 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.26 min

Lab File: BF090858.D

Acq: 26 Oct 2016 23:32

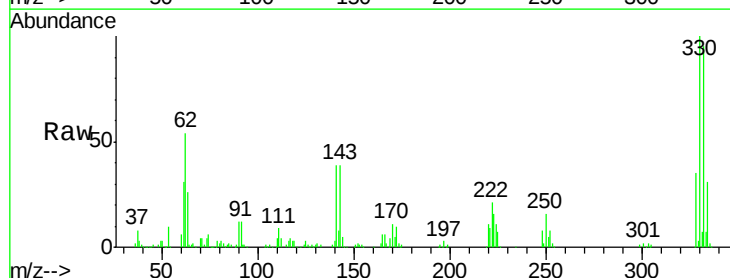
Tgt Ion:248 Resp: 34883

Ion Ratio Lower Upper

248 100

250 206.1 78.5 117.7#

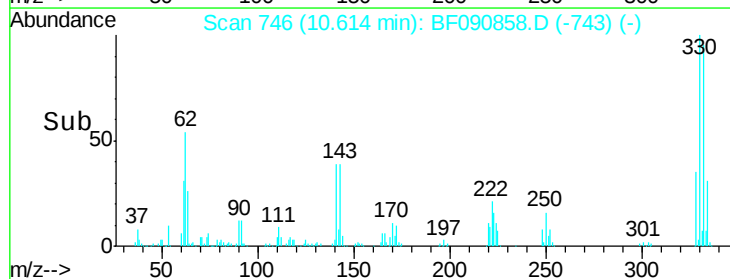
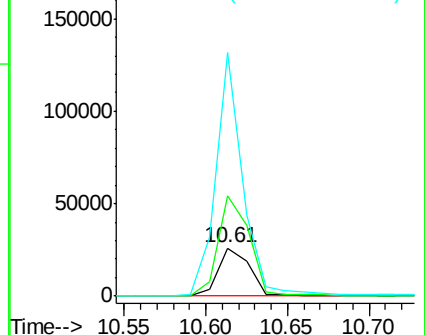
141 503.1 59.0 88.6#

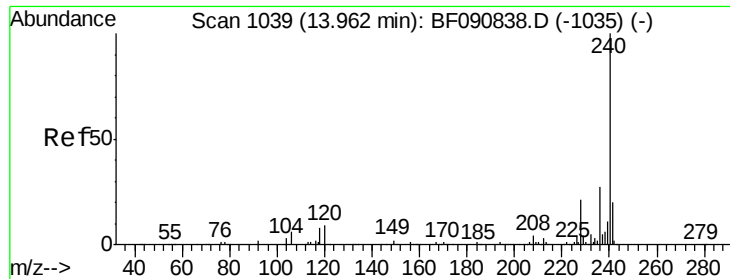


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF090858.D

Acq: 26 Oct 2016 23:32

Instrument :

BNA_F

ClientSampleId :

C0AA3

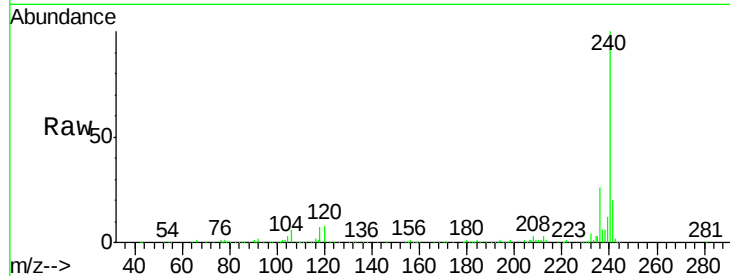
Tgt Ion:240 Resp: 525328

Ion Ratio Lower Upper

240 100

120 8.4 16.2 24.2#

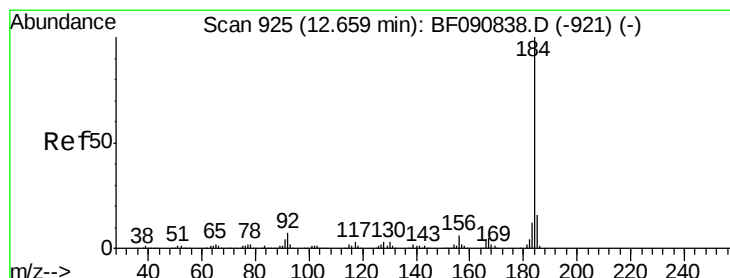
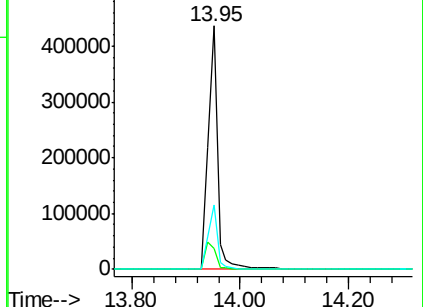
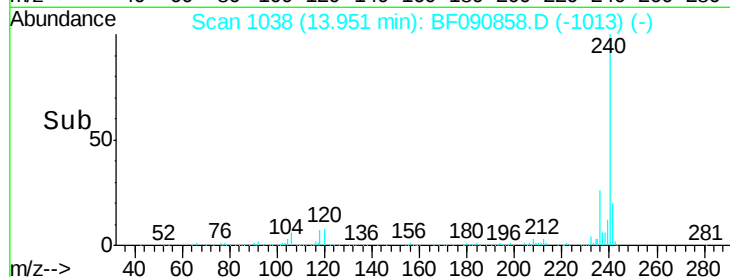
236 26.3 18.4 27.6



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



#76

Benzidine

Concen: 2.50 ng

RT: 12.90 min Scan# 946

Delta R.T. 0.23 min

Lab File: BF090858.D

Acq: 26 Oct 2016 23:32

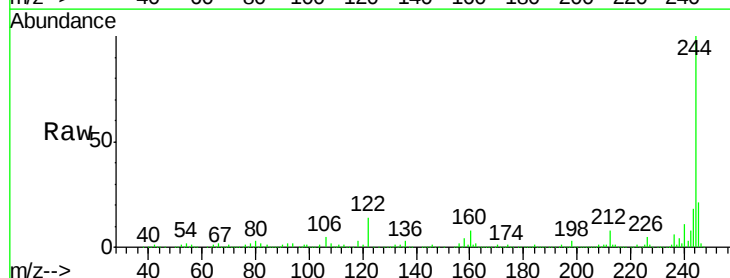
Tgt Ion:184 Resp: 28656

Ion Ratio Lower Upper

184 100

185 17.6 11.8 17.6

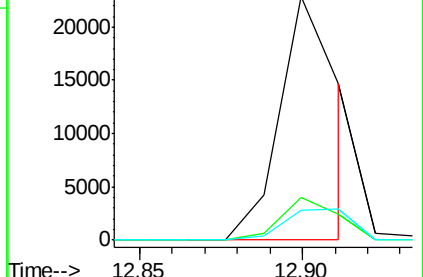
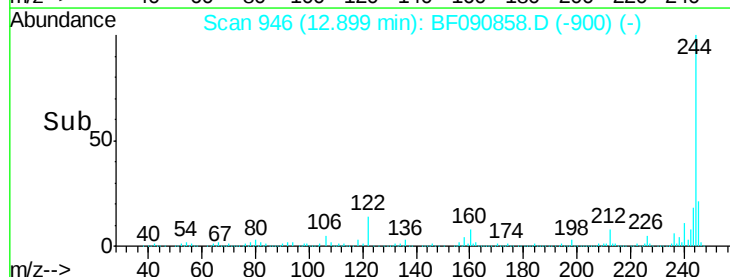
183 12.4 7.6 11.4#

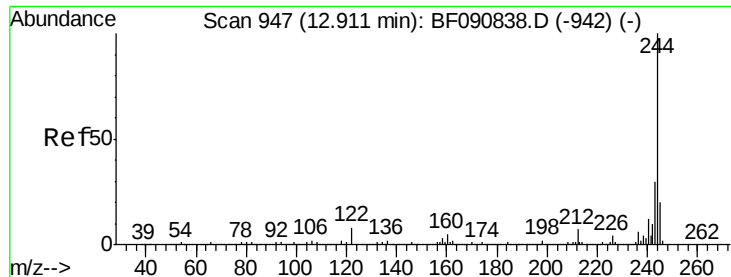


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 116.58 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.02 min

Lab File: BF090858.D

Acq: 26 Oct 2016 23:32

Instrument :

BNA_F

ClientSampleId :

C0AA3

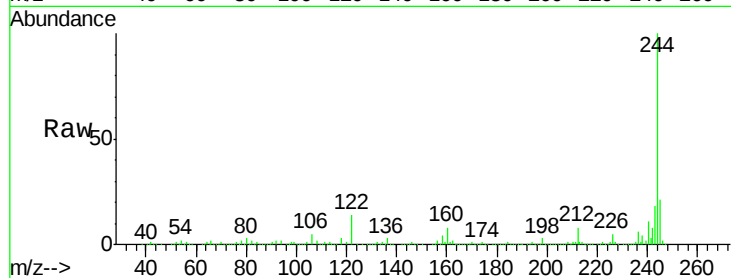
Tgt Ion:244 Resp: 2430951

Ion Ratio Lower Upper

244 100

212 7.6 4.3 6.5#

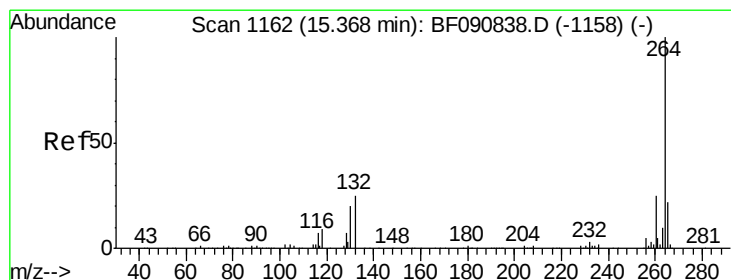
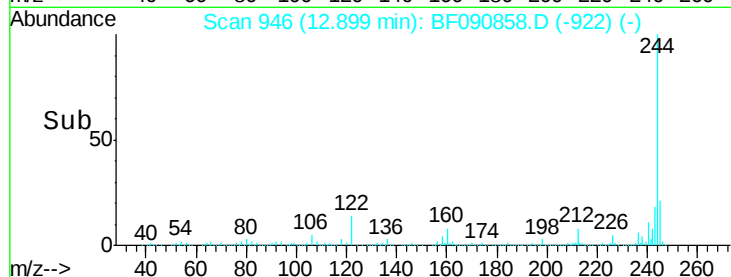
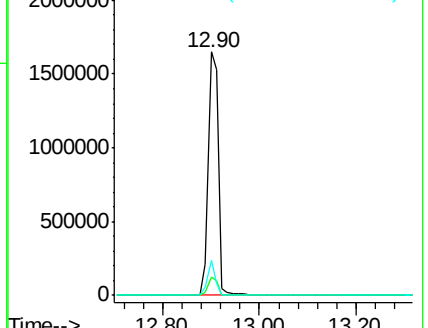
122 14.2 17.4 26.2#



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: 15.36 min Scan# 1161

Delta R.T. -0.02 min

Lab File: BF090858.D

Acq: 26 Oct 2016 23:32

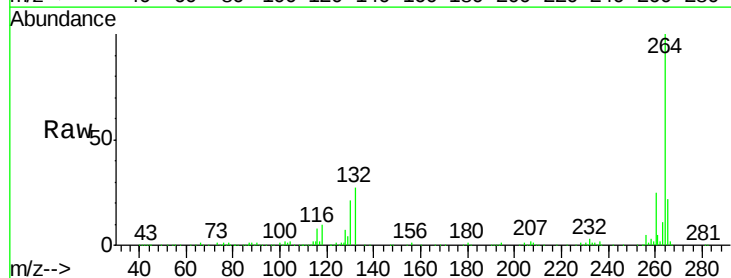
Tgt Ion:264 Resp: 357243

Ion Ratio Lower Upper

264 100

260 25.4 16.7 25.1#

265 22.2 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

