

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092617\
 Data File : BF098848.D
 Acq On : 26 Sep 2017 22:41
 Operator : SJ/JU
 Sample : I5427-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 27 00:49:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

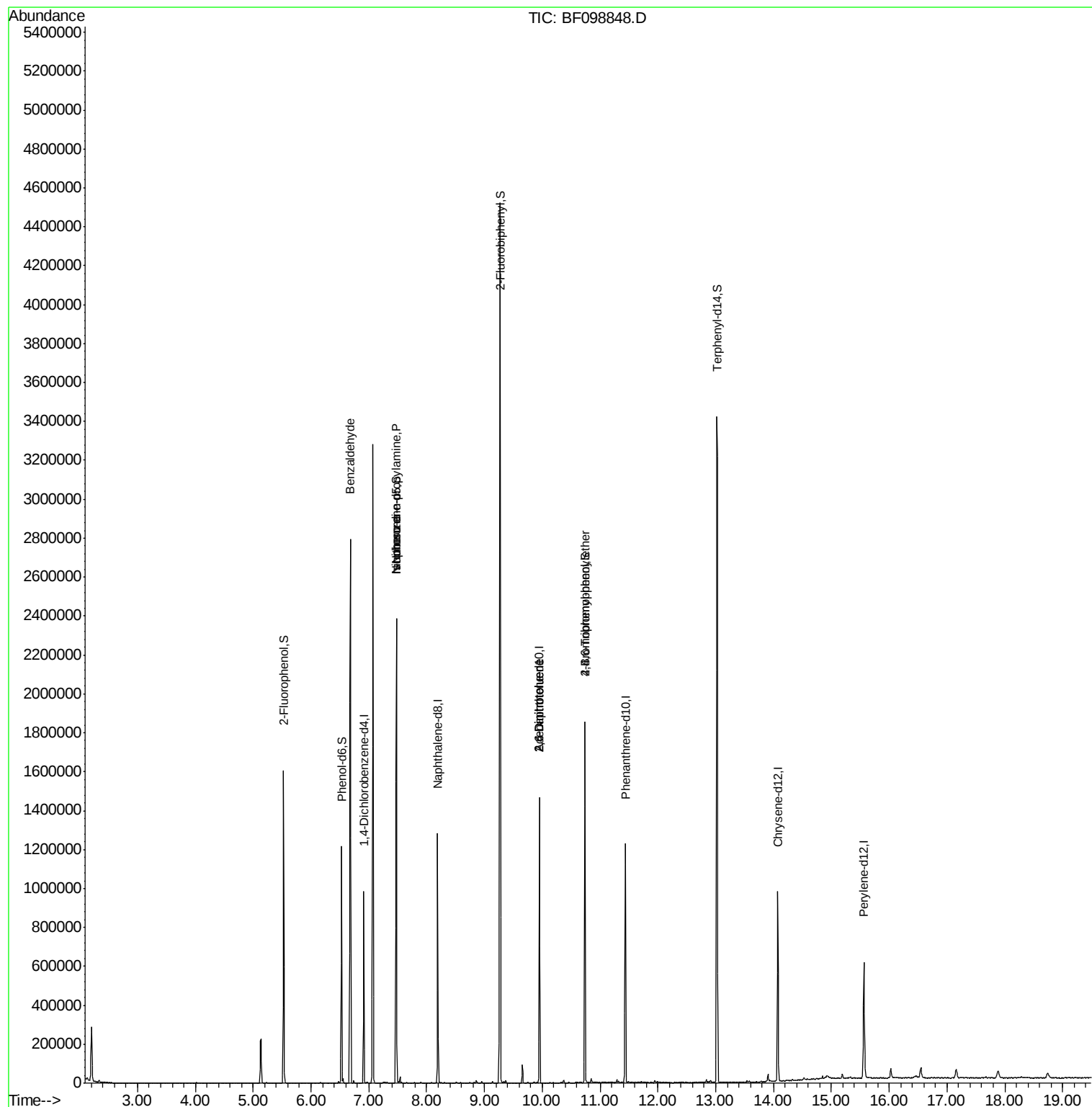
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	137774	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	580665	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	262827	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	425913	20.00	ng	0.00
75) Chrysene-d12	14.07	240	284136	20.00	ng	-0.01
86) Perylene-d12	15.57	264	264763	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	415022	47.95	ng	-0.01
7) Phenol-d6	6.53	99	347816	32.58	ng	-0.02
23) Nitrobenzene-d5	7.47	82	906517	100.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	192802	89.65	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	1589982	100.99	ng	0.00
78) Terphenyl-d14	13.02	244	1161121	92.94	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.68	77	14657	2.37	ng	Qvalue 84
19) n-Nitroso-di-n-propylamine	7.47	70	118499	17.38	ng	# 78
25) Isophorone	7.47	82	905069	48.35	ng	# 64
50) 2,6-Dinitrotoluene	9.95	165	33365	7.73	ng	# 25
56) 2,4-Dinitrotoluene	9.95	165	33365	5.95	ng	# 23
66) 4-Bromophenyl-phenylether	10.74	248	13304	3.19	ng	# 1

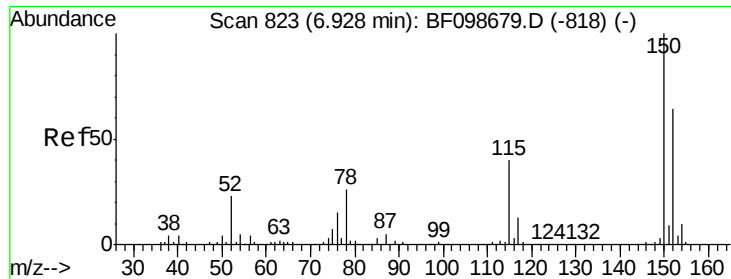
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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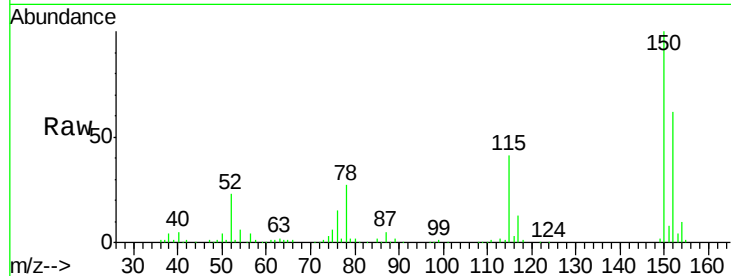


#1

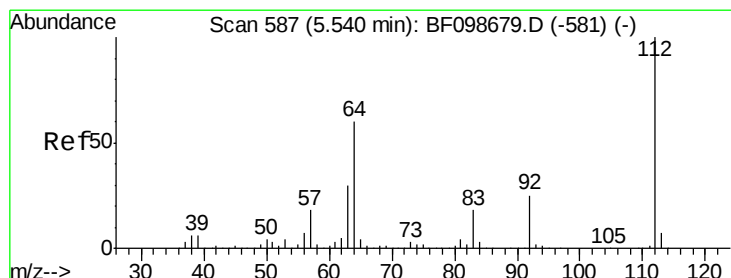
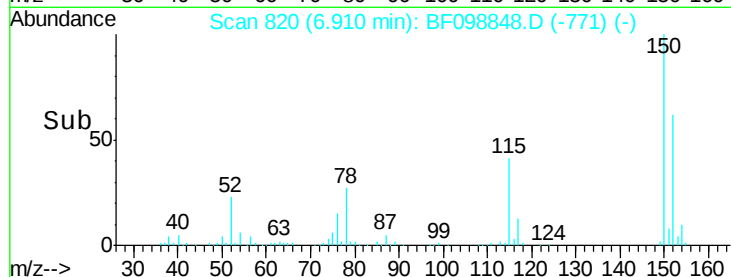
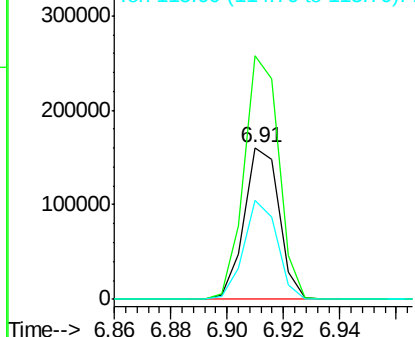
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF098848.D
Acq: 26 Sep 2017 22:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 137774
Ion Ratio Lower Upper
152 100
150 160.6 124.6 186.8
115 65.7 50.1 75.1



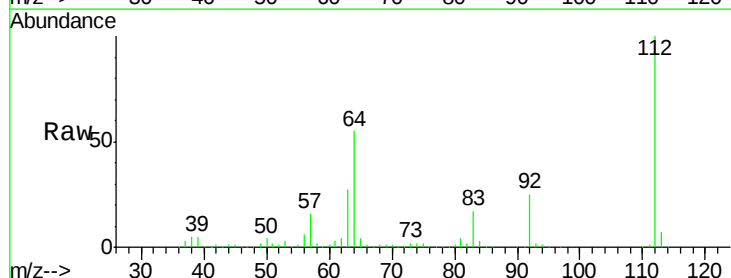
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



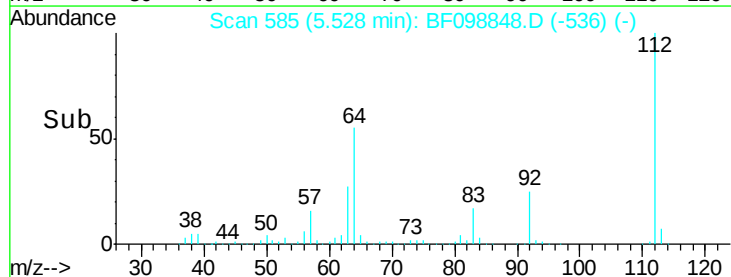
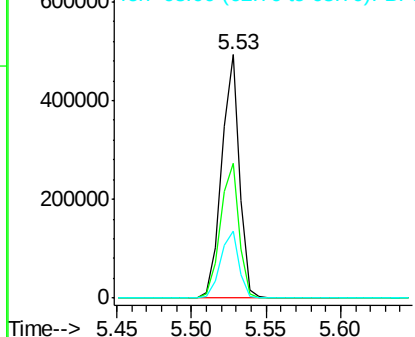
#5

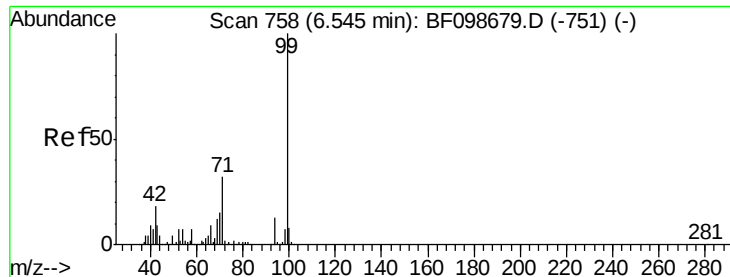
2-Fluorophenol
Concen: 47.95 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF098848.D
Acq: 26 Sep 2017 22:41

Tgt Ion:112 Resp: 415022
Ion Ratio Lower Upper
112 100
64 55.5 47.9 71.9
63 27.4 23.7 35.5



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: 32.58 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098848.D

Acq: 26 Sep 2017 22:41

Instrument :

BNA_F

ClientSampleId :

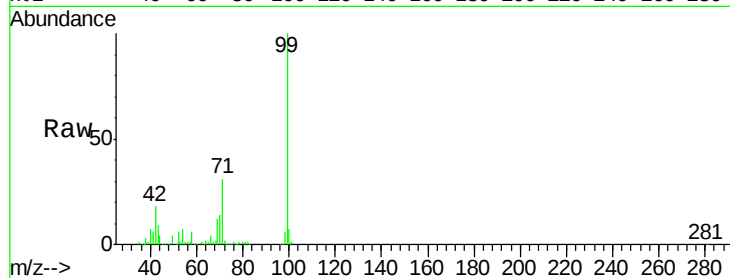
Tot Ion: 99 Resp: 347816

Ion Ratio Lower Upper

99 100

42 17.7 14.5 21.7

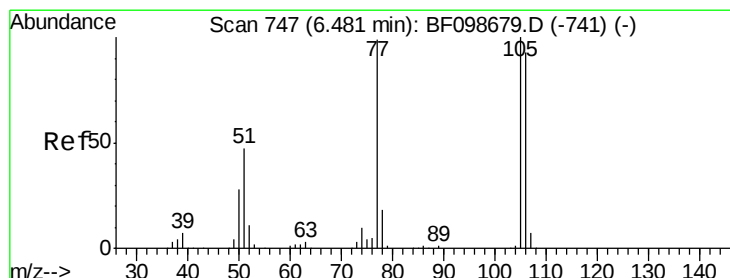
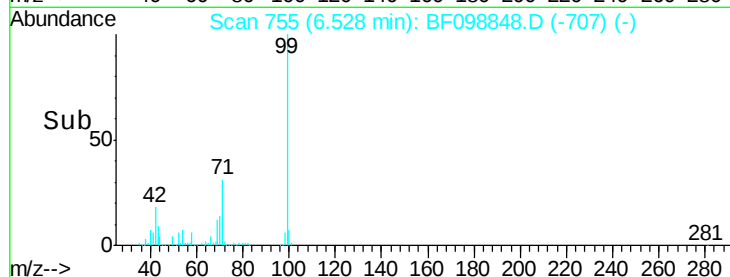
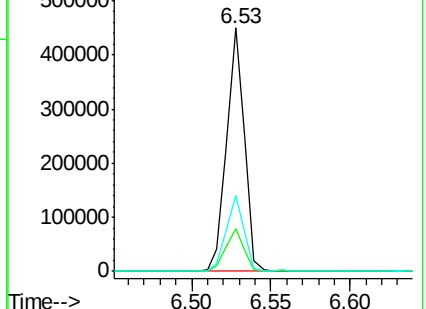
71 31.2 25.4 38.0



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: 2.37 ng

RT: 6.68 min Scan# 781

Delta R.T. 0.21 min

Lab File: BF098848.D

Acq: 26 Sep 2017 22:41

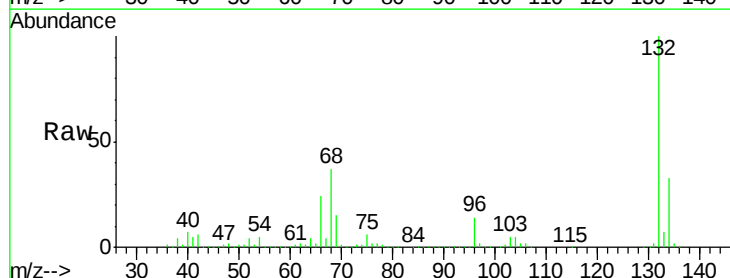
Tgt Ion: 77 Resp: 14657

Ion Ratio Lower Upper

77 100

105 83.0 81.1 121.1

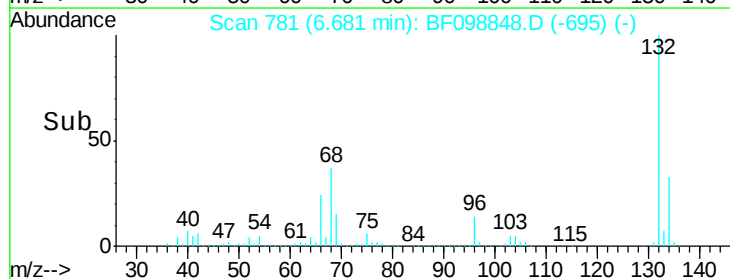
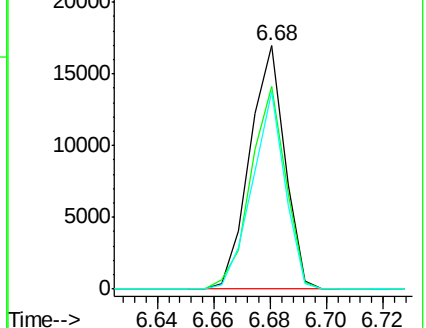
106 81.4 74.5 114.5

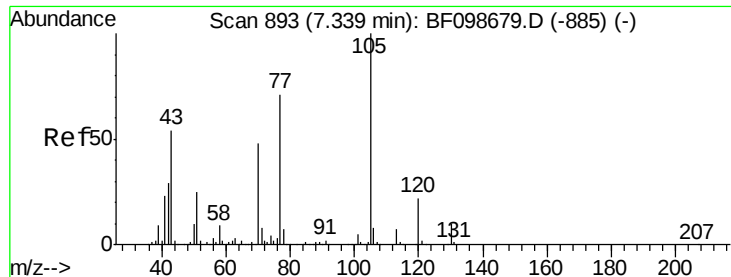


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#19

n-Nitroso-di-n-propylamine

Concen: 17.38 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF098848.D

Acq: 26 Sep 2017 22:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 118499

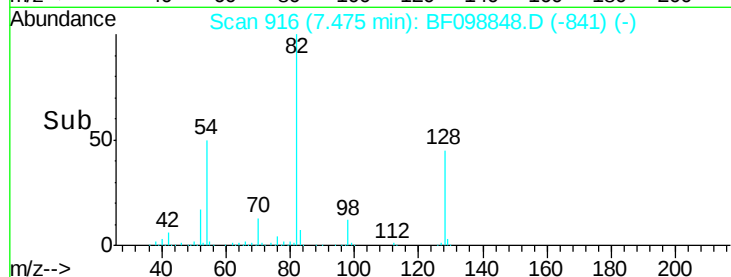
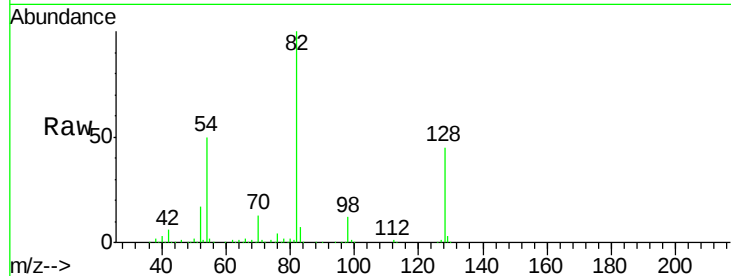
Ion Ratio Lower Upper

70 100

42 47.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

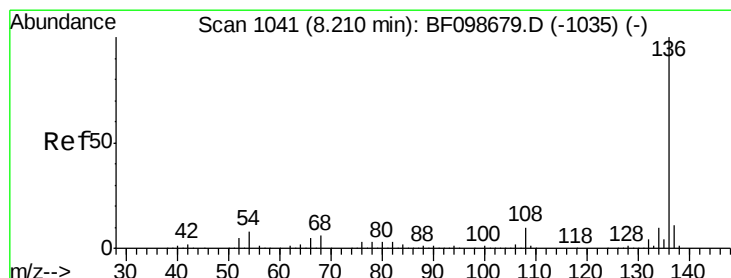
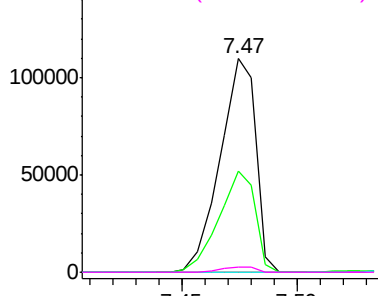


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.19 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF098848.D

Acq: 26 Sep 2017 22:41

Tgt Ion:136 Resp: 580665

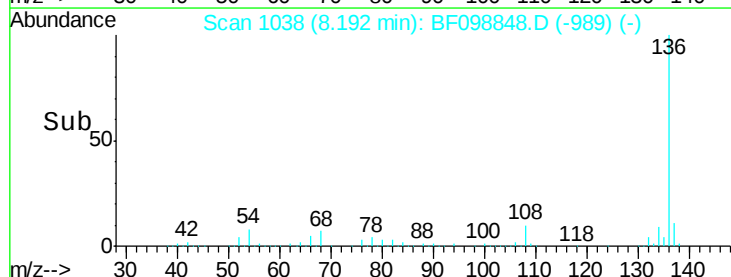
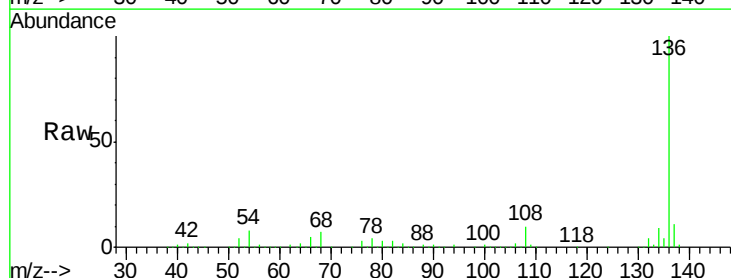
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.3 6.6 9.8

68 6.5 5.0 7.4

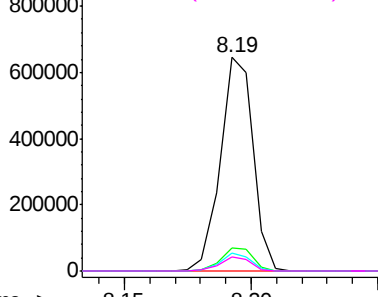


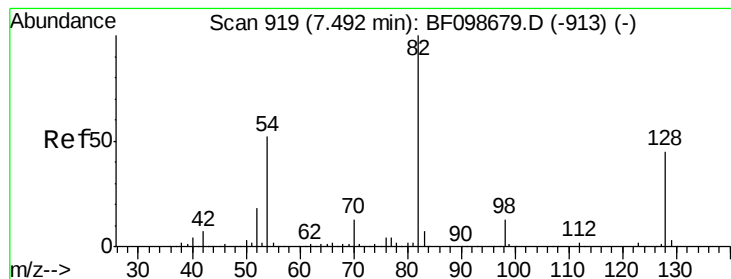
Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.12 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF098848.D

Acq: 26 Sep 2017 22:41

Instrument :

BNA_F

ClientSampled :

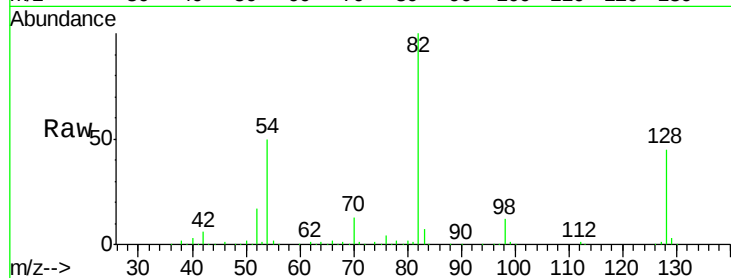
Tot Ion: 82 Resp: 906517

Ion Ratio Lower Upper

82 100

128 45.3 36.1 54.1

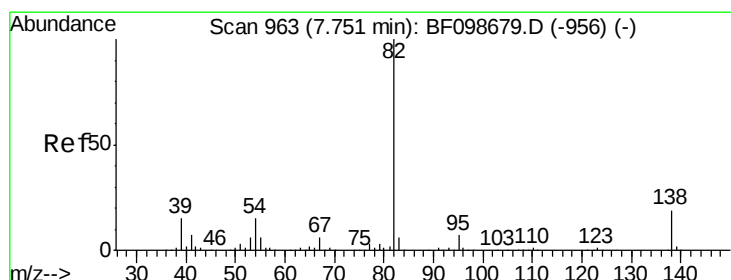
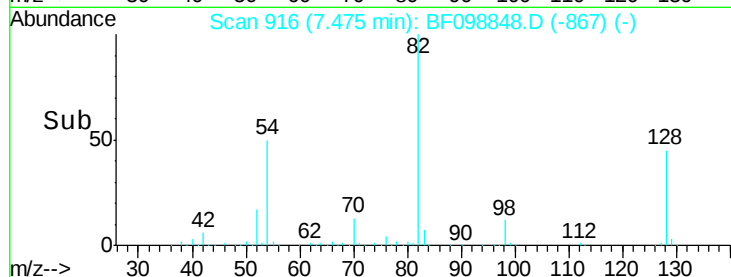
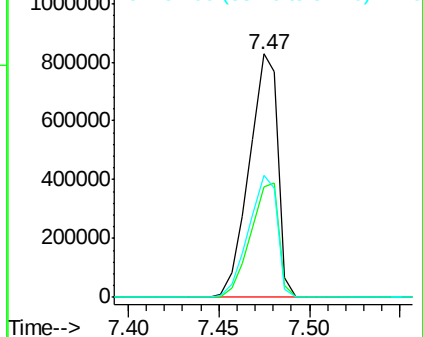
54 50.0 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 48.35 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.27 min

Lab File: BF098848.D

Acq: 26 Sep 2017 22:41

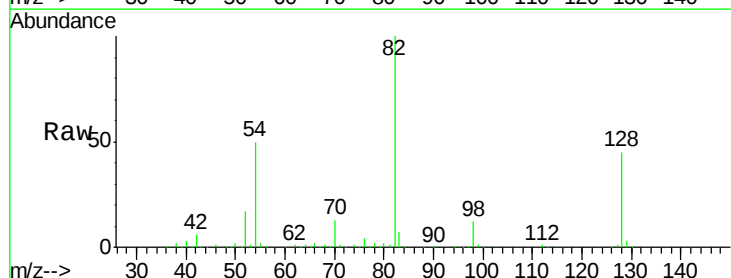
Tgt Ion: 82 Resp: 905069

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

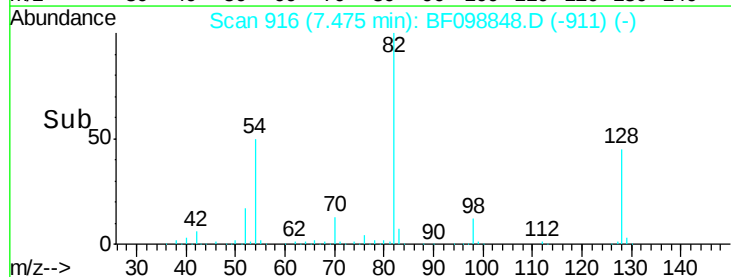
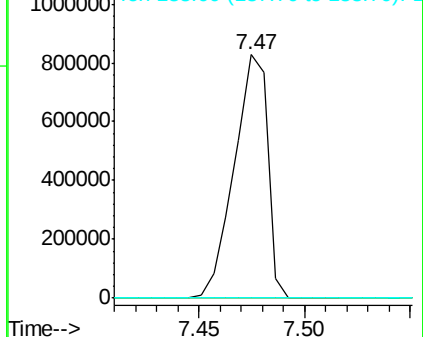
138 0.0 14.9 22.3#

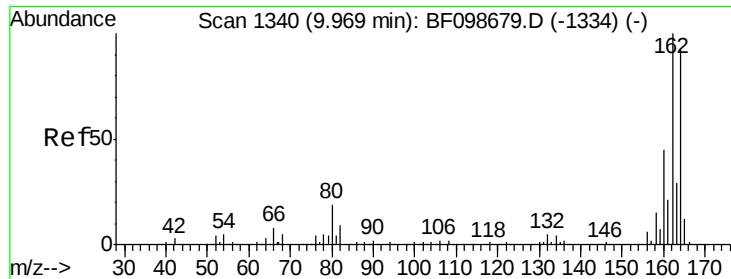


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

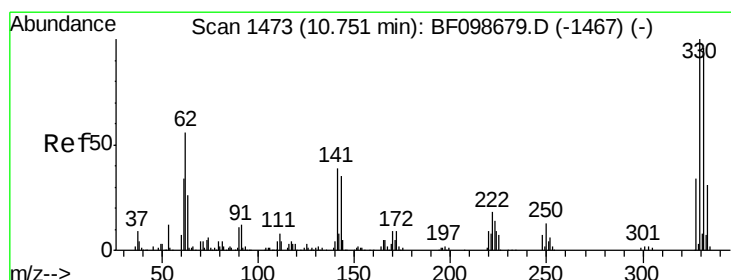
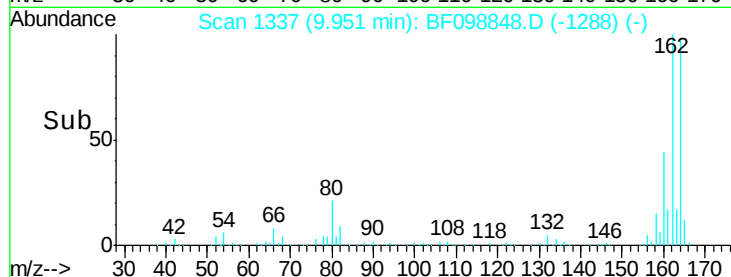
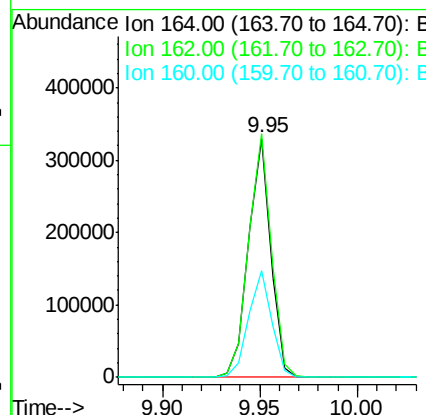
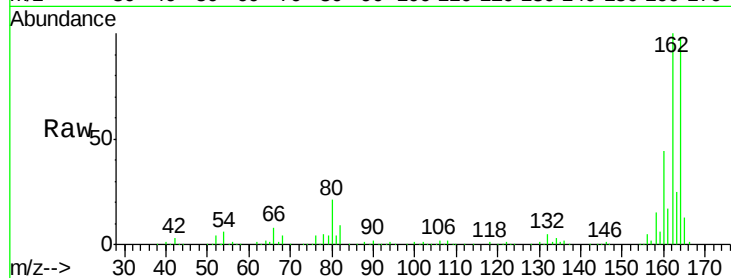




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF098848.D
 Acq: 26 Sep 2017 22:41

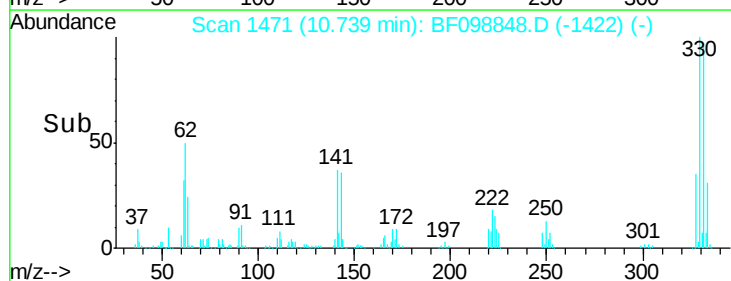
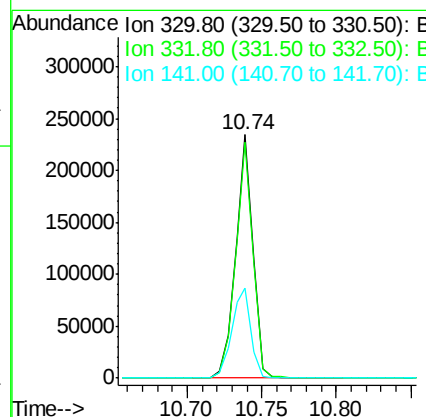
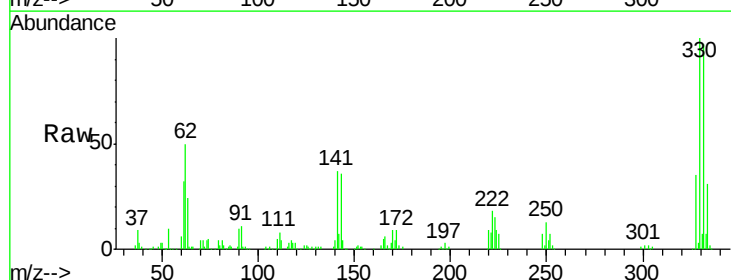
Instrument :
 BNA_F
 ClientSampleId :

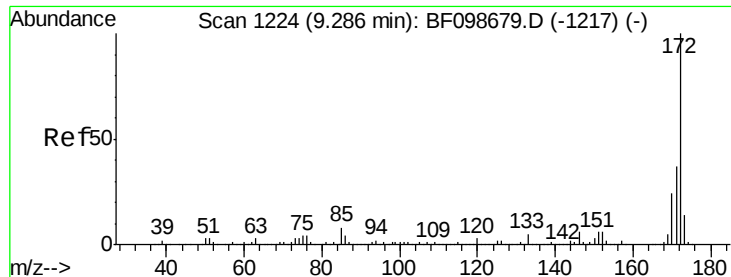
Tot Ion:164 Resp: 262827
 Ion Ratio Lower Upper
 164 100
 162 102.0 86.1 129.1
 160 44.7 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 89.65 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098848.D
 Acq: 26 Sep 2017 22:41

Tgt Ion:330 Resp: 192802
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.0 115.6
 141 40.8 29.9 44.9



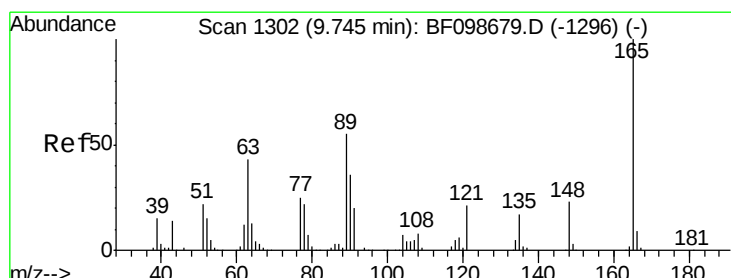
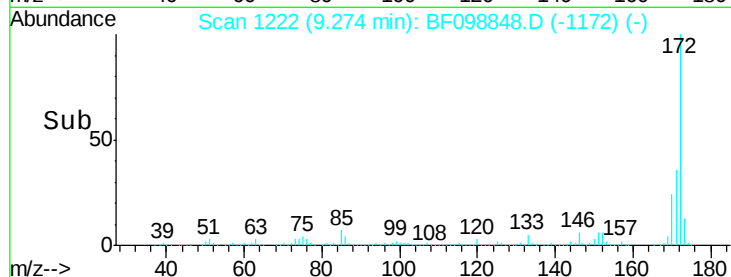
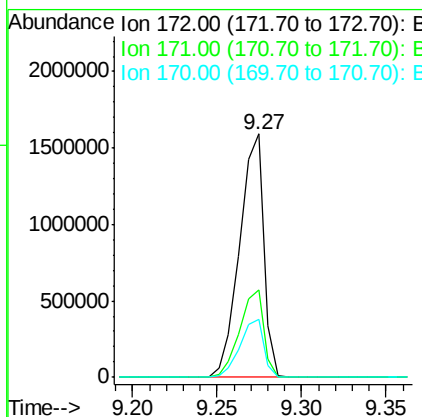
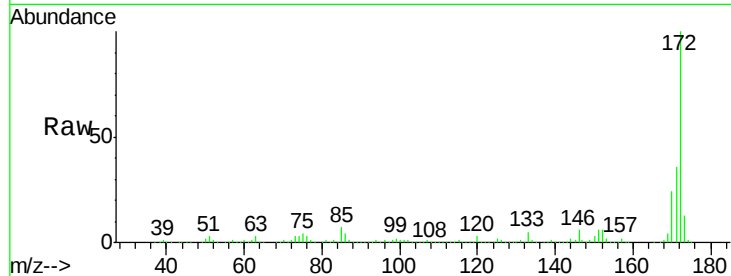


#44
 2-Fluorobiphenyl
 Concen: 100.99 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: BF098848.D
 Acq: 26 Sep 2017 22:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1589982

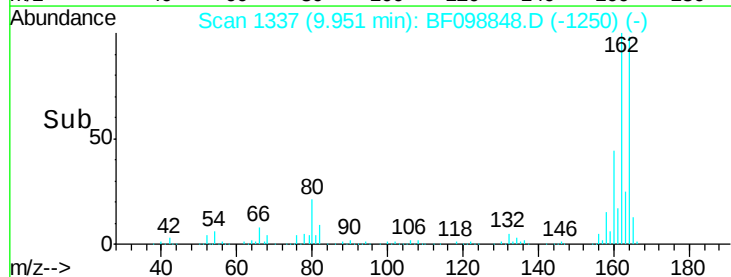
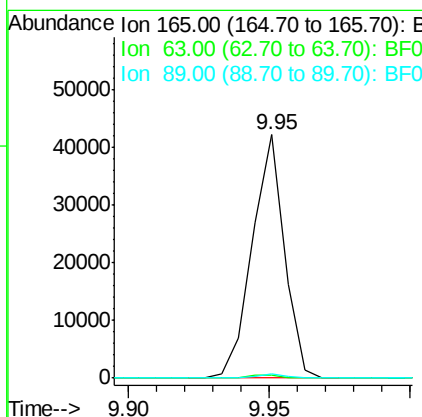
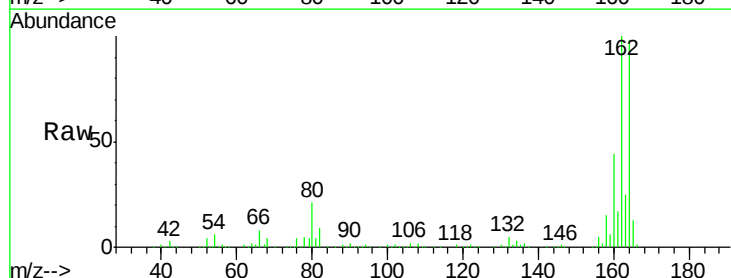
Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.1	19.6	29.4

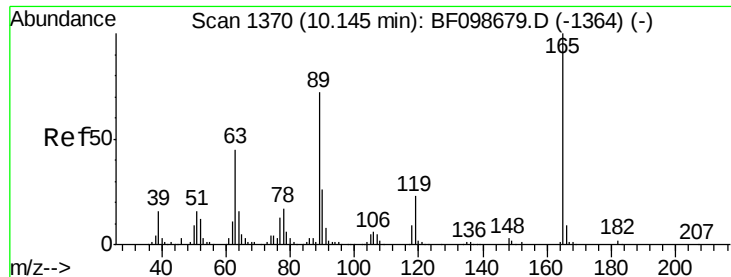


#50
 2,6-Dinitrotoluene
 Concen: 7.73 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. 0.21 min
 Lab File: BF098848.D
 Acq: 26 Sep 2017 22:41

Tgt Ion:165 Resp: 33365

Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.5	44.0	66.0#

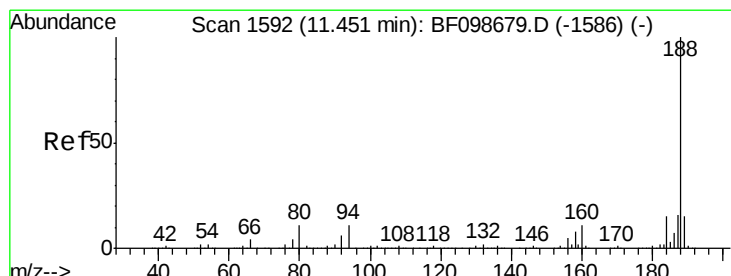
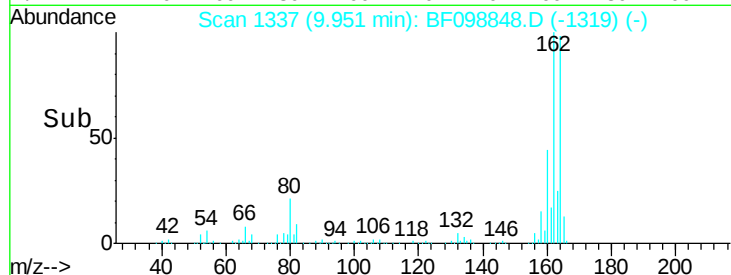
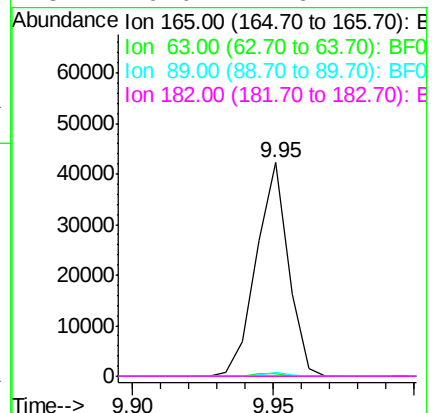
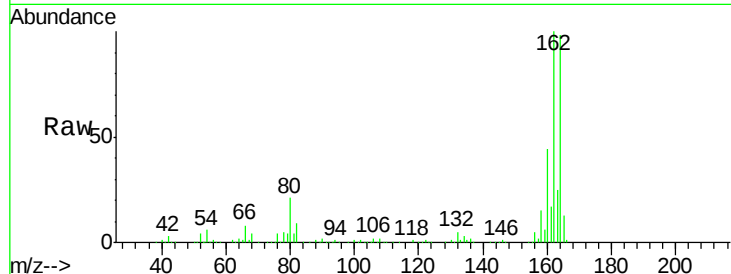




#56
 2,4-Dinitrotoluene
 Concen: 5.95 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.19 min
 Lab File: BF098848.D
 Acq: 26 Sep 2017 22:41

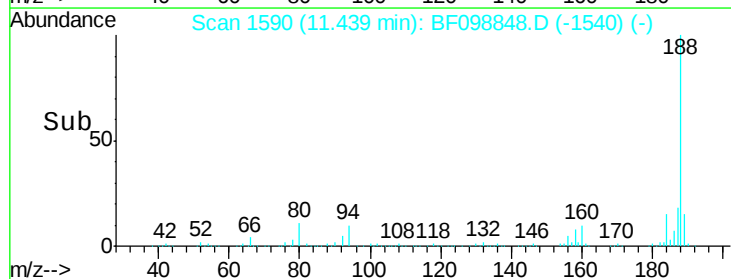
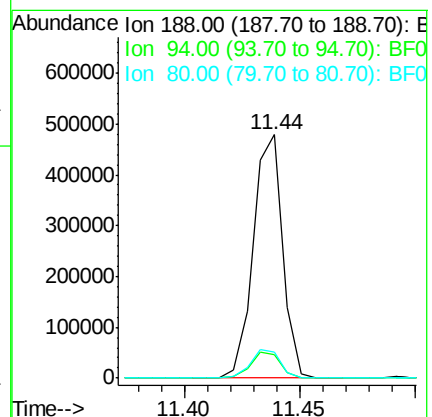
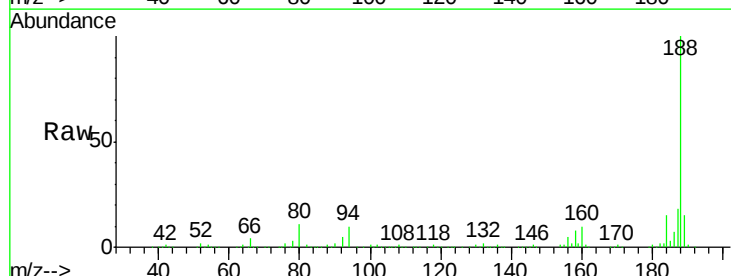
Instrument :
 BNA_F
 ClientSampleId :

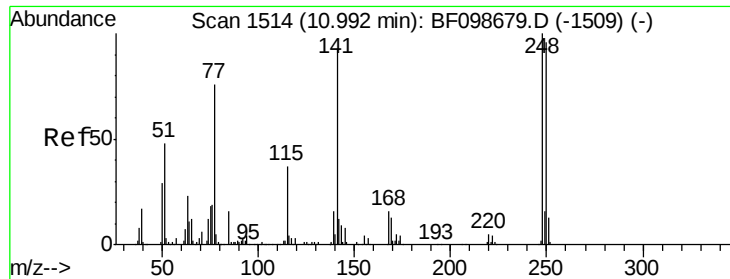
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098848.D
 Acq: 26 Sep 2017 22:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.9	9.2	13.8

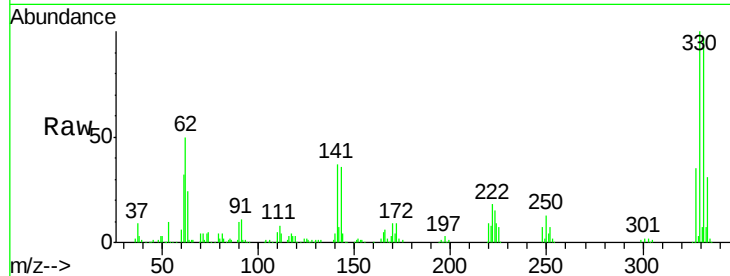




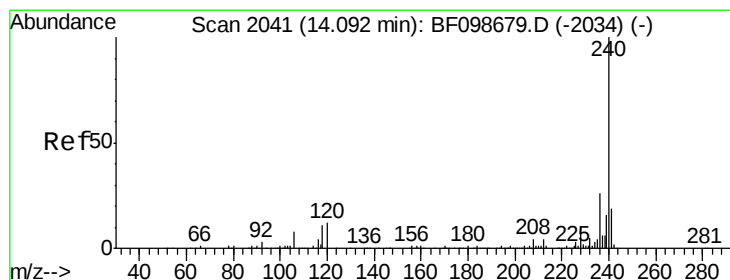
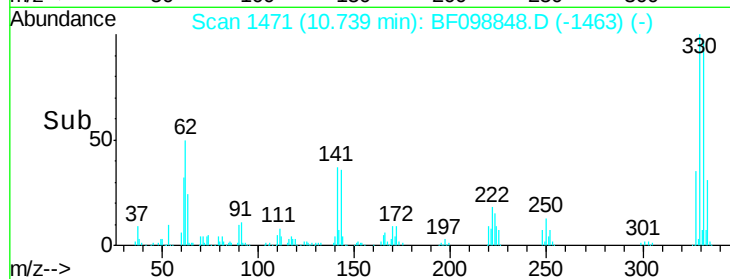
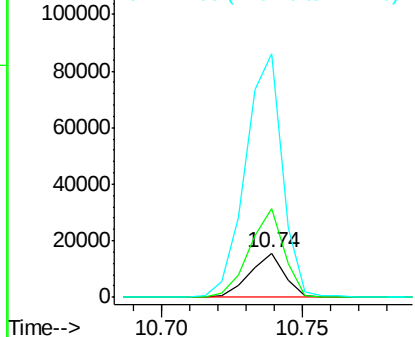
#66
4-Bromophenyl-phenylether
Concen: 3.19 ng
RT: 10.74 min Scan# 1471
Delta R.T. -0.25 min
Lab File: BF098848.D
Acq: 26 Sep 2017 22:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 13304
Ion Ratio Lower Upper
248 100
250 201.5 76.9 115.3#
141 554.3 74.4 111.6#

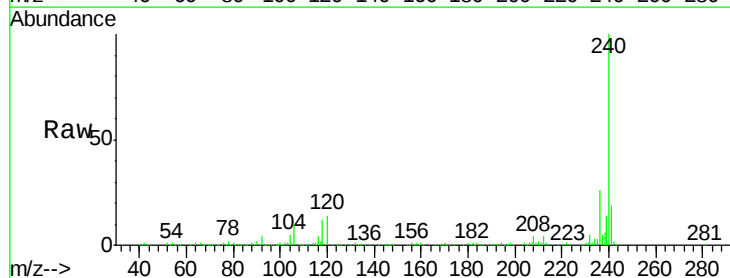


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

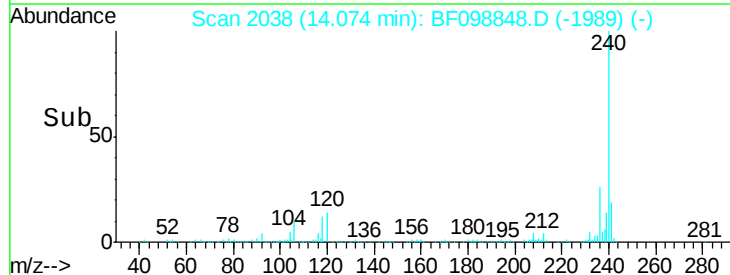
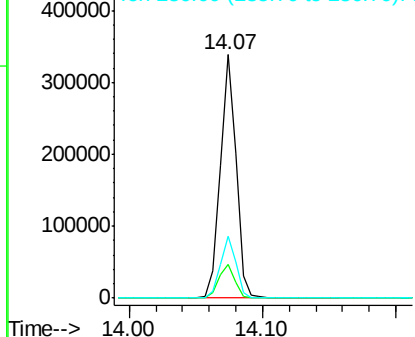


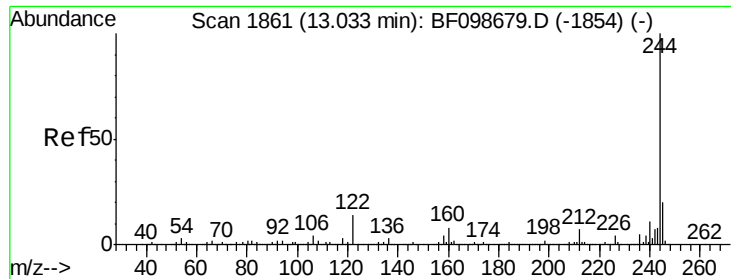
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF098848.D
Acq: 26 Sep 2017 22:41

Tgt Ion:240 Resp: 284136
Ion Ratio Lower Upper
240 100
120 14.0 9.5 14.3
236 25.6 20.7 31.1



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: 92.94 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098848.D

Acq: 26 Sep 2017 22:41

Instrument :

BNA_F

ClientSampled :

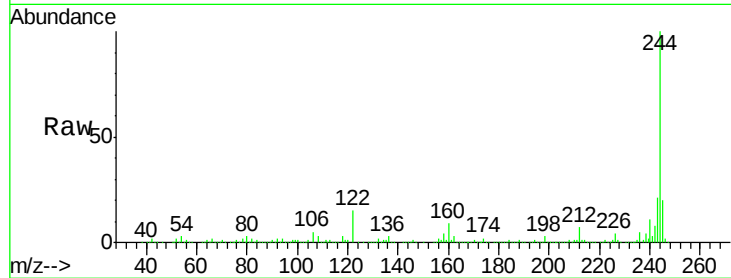
Tot Ion:244 Resp: 1161121

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

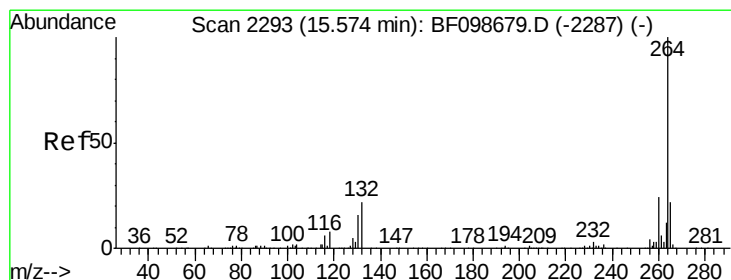
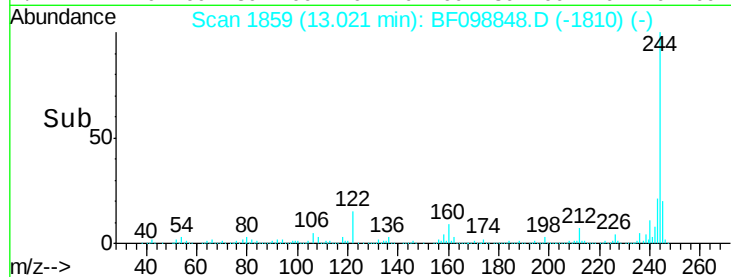
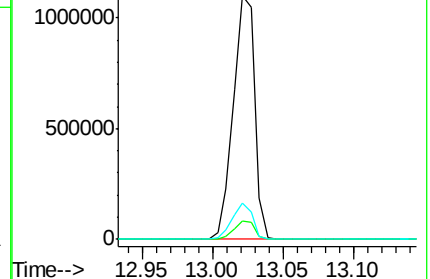
122 14.8 11.0 16.4



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: 15.57 min Scan# 2292

Delta R.T. -0.01 min

Lab File: BF098848.D

Acq: 26 Sep 2017 22:41

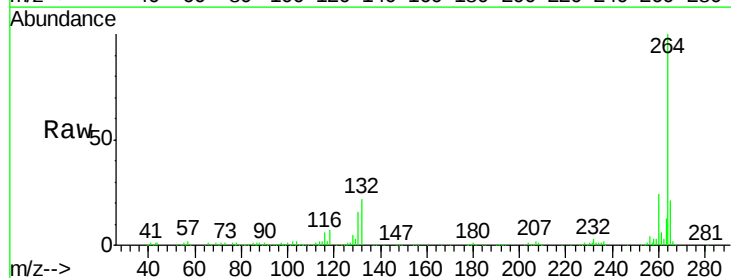
Tgt Ion:264 Resp: 264763

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 21.4 17.5 26.3



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

