

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
 Data File : BF098857.D
 Acq On : 27 Sep 2017 12:24
 Operator : SJ/JU
 Sample : I5403-16
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 28 01:47:22 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

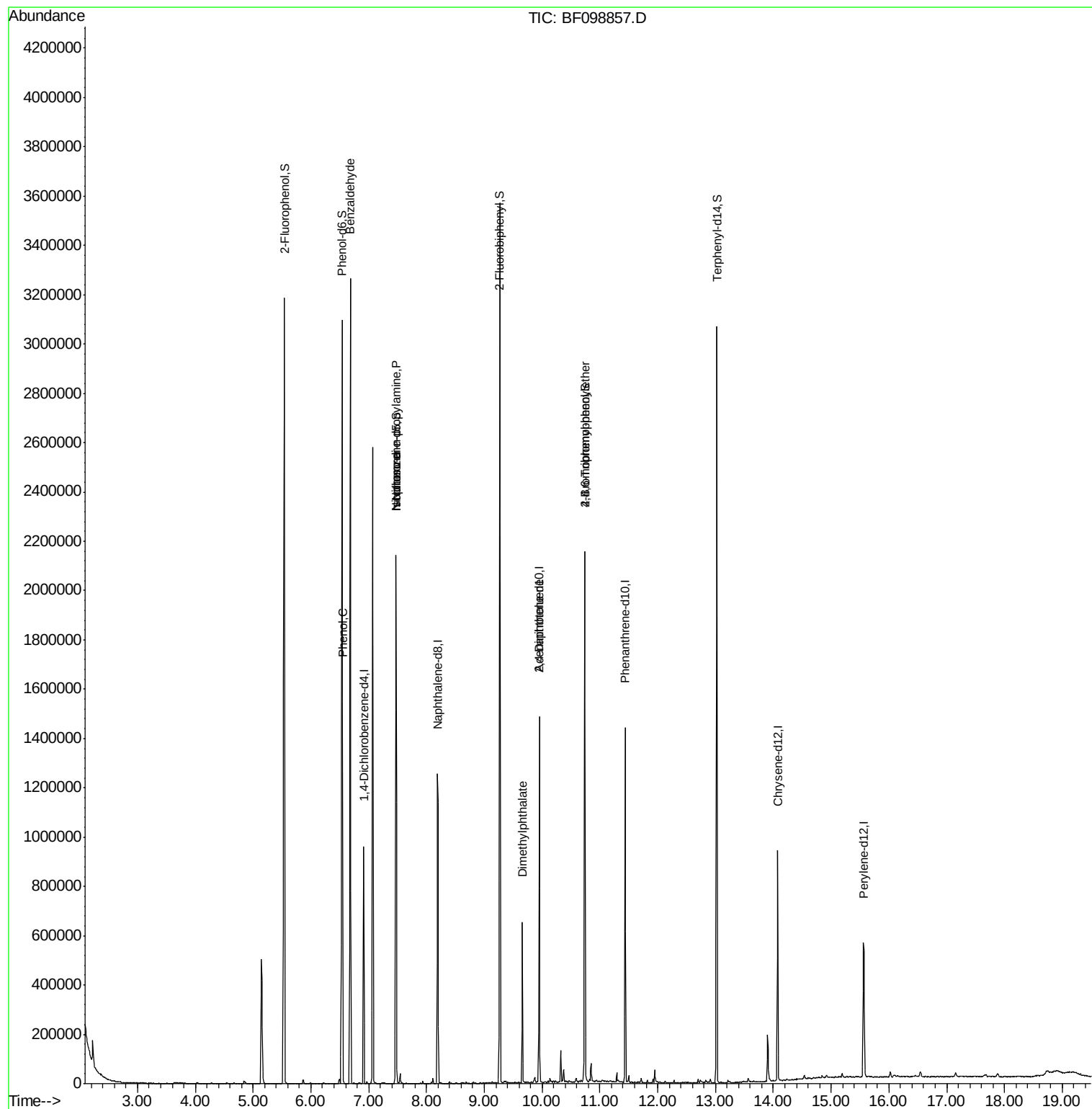
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	137730	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	581817	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	268523	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	463856	20.00	ng	0.00
75) Chrysene-d12	14.07	240	276341	20.00	ng	-0.01
86) Perylene-d12	15.56	264	240131	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	983369	113.66	ng	0.00
7) Phenol-d6	6.54	99	1195773	112.04	ng	0.00
23) Nitrobenzene-d5	7.47	82	710923	78.36	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	244369	111.22	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	1103450	68.60	ng	-0.01
78) Terphenyl-d14	13.02	244	934825	76.93	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.69	77	20900	3.38	ng	83
10) Phenol	6.55	94	27396	2.30	ng	94
19) n-Nitroso-di-n-propylamine	7.47	70	92922	13.64	ng	# 75
25) Isophorone	7.47	82	710915	37.90	ng	# 64
49) Dimethylphthalate	9.66	163	249633	12.32	ng	100
56) 2,4-Dinitrotoluene	9.95	165	34367	6.00	ng	# 23
66) 4-Bromophenyl-phenylether	10.74	248	16762	3.69	ng	# 1

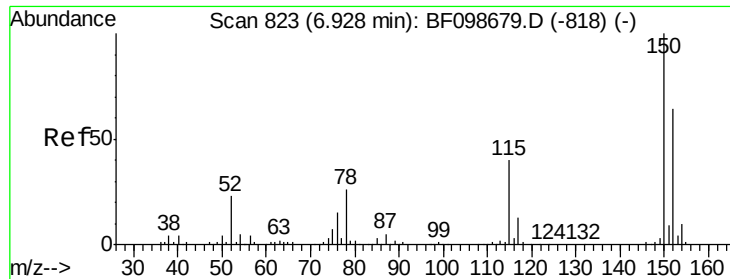
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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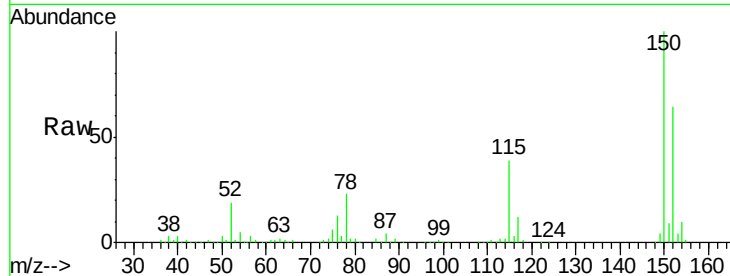


#1

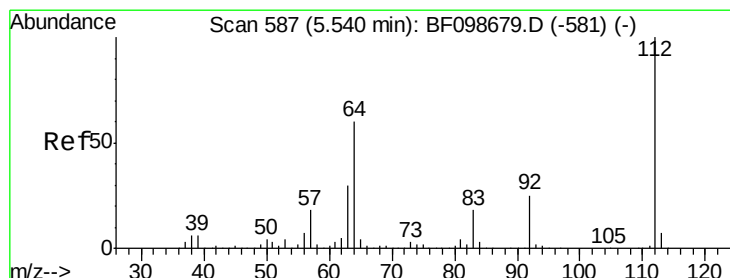
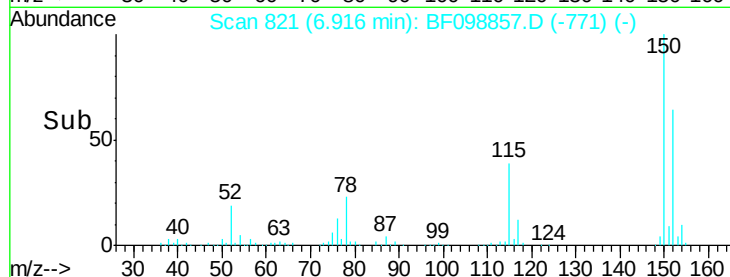
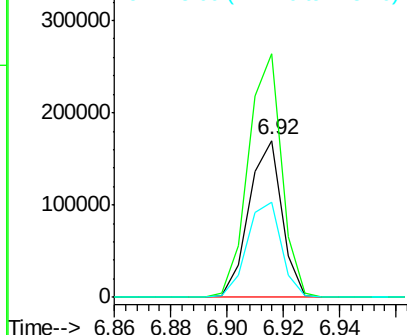
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098857.D
Acq: 27 Sep 2017 12:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 137730
Ion Ratio Lower Upper
152 100
150 155.4 124.6 186.8
115 60.4 50.1 75.1



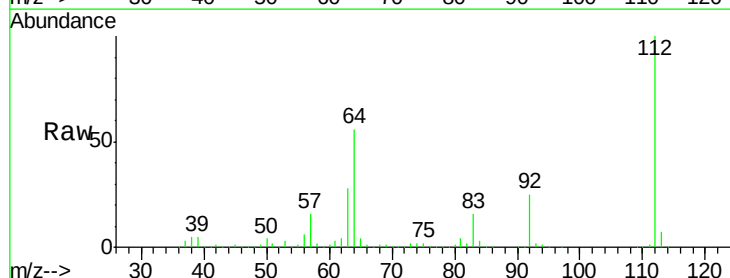
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



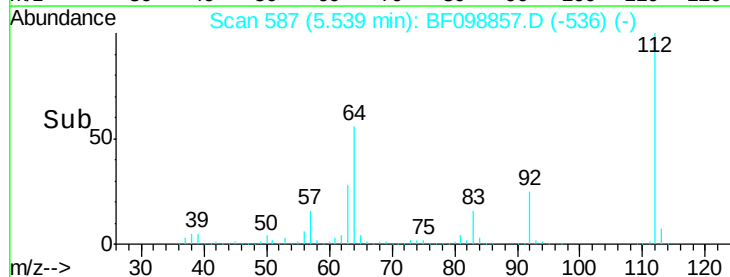
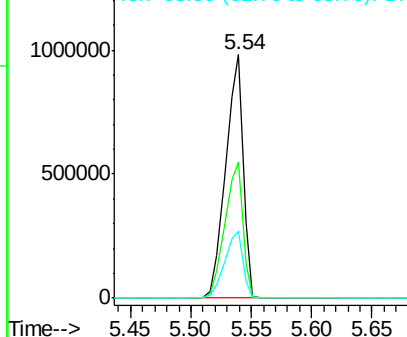
#5

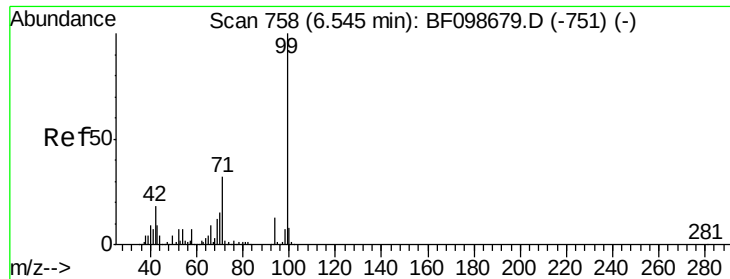
2-Fluorophenol
Concen: 113.66 ng
RT: 5.54 min Scan# 587
Delta R.T. -0.00 min
Lab File: BF098857.D
Acq: 27 Sep 2017 12:24

Tgt Ion:112 Resp: 983369
Ion Ratio Lower Upper
112 100
64 55.9 47.9 71.9
63 27.6 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: 112.04 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF098857.D

Acq: 27 Sep 2017 12:24

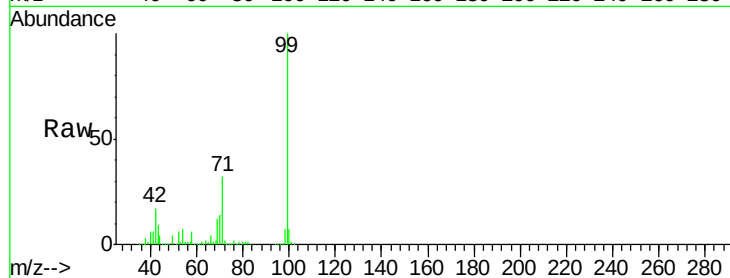
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1195773

Ion	Ratio	Lower	Upper
99	100		
42	16.7	14.5	21.7
71	31.5	25.4	38.0

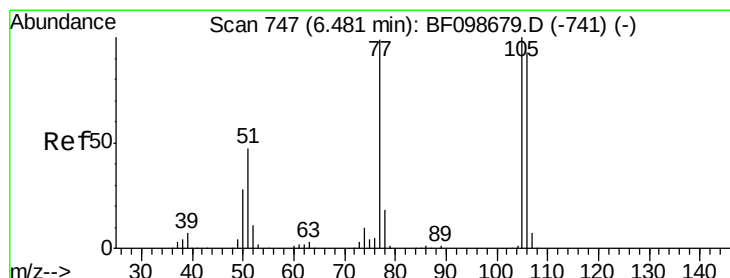
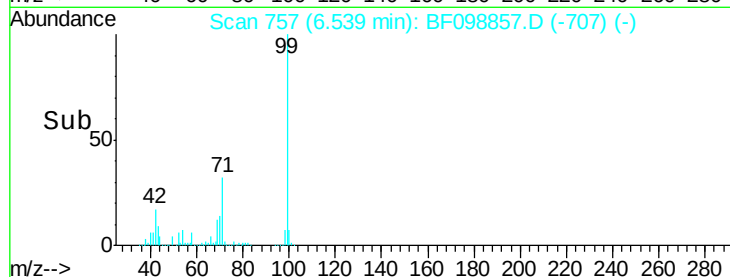
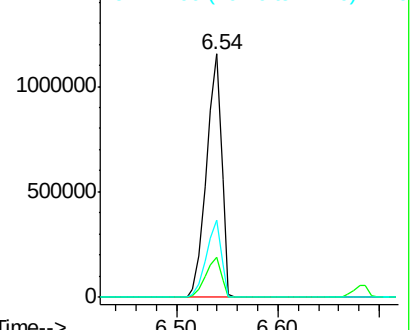


Abundance

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: 3.38 ng

RT: 6.69 min Scan# 782

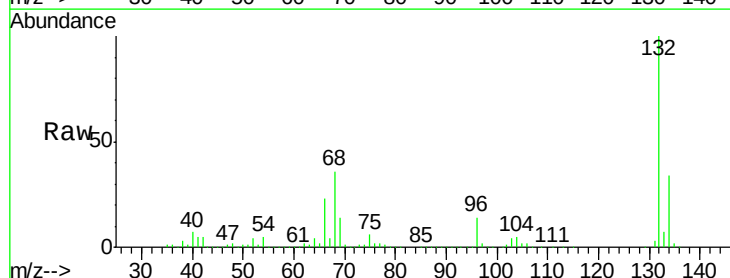
Delta R.T. 0.21 min

Lab File: BF098857.D

Acq: 27 Sep 2017 12:24

Tgt Ion: 77 Resp: 20900

Ion	Ratio	Lower	Upper
77	100		
105	84.3	81.1	121.1
106	77.9	74.5	114.5

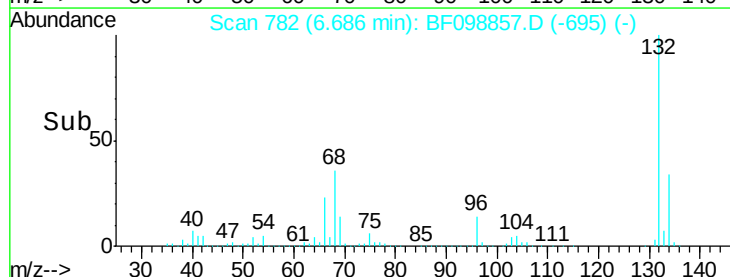
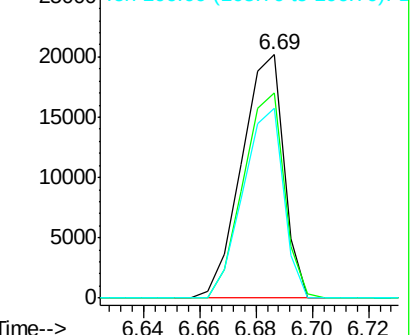


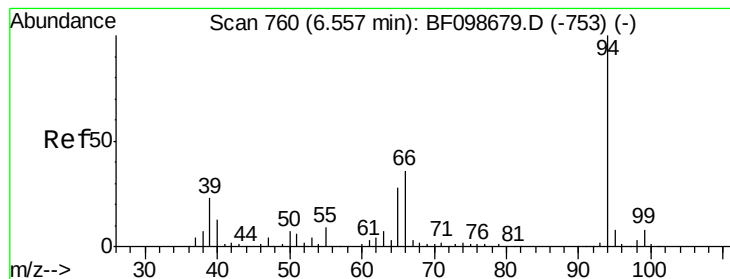
Abundance

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





#10

Phenol

Concen: 2.30 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF098857.D

Acq: 27 Sep 2017 12:24

Instrument :

BNA_F

ClientSampleId :

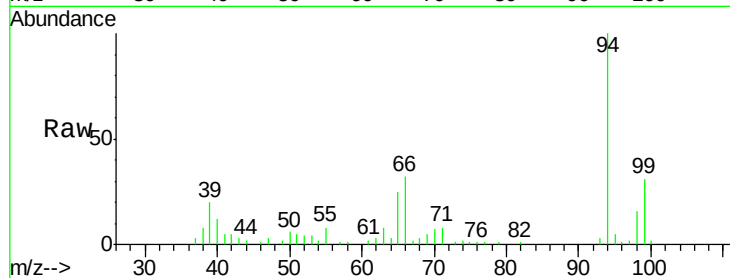
Tot Ion: 94 Resp: 27396

Ion Ratio Lower Upper

94 100

65 24.9 7.9 47.9

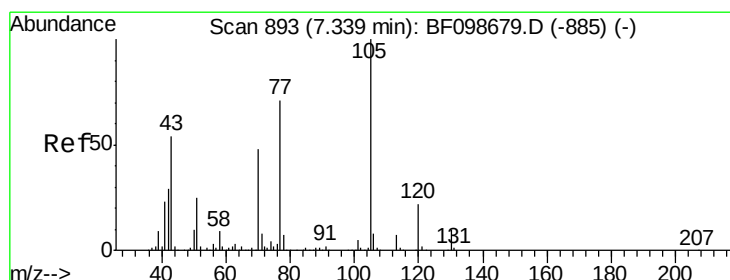
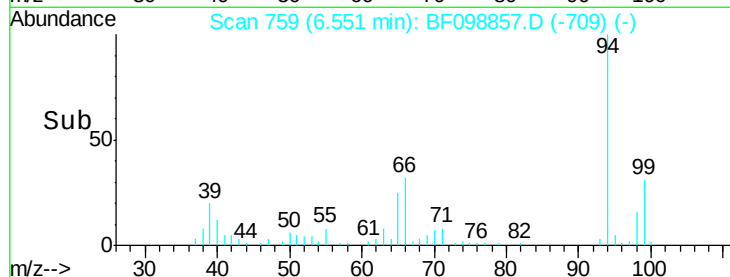
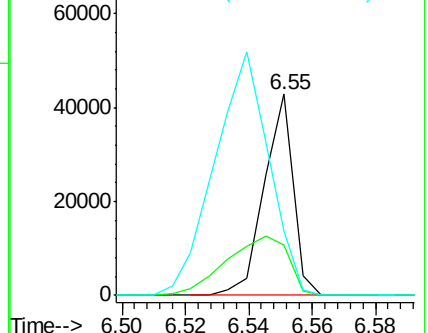
66 32.3 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 13.64 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF098857.D

Acq: 27 Sep 2017 12:24

Tgt Ion: 70 Resp: 92922

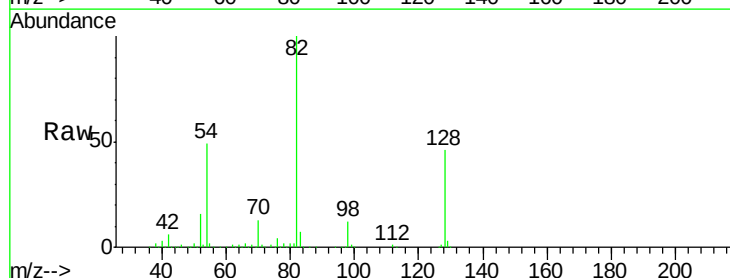
Ion Ratio Lower Upper

70 100

42 44.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

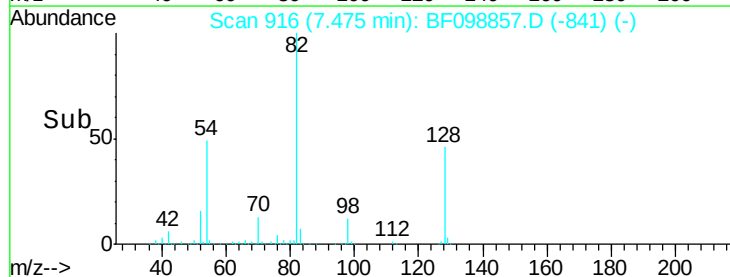
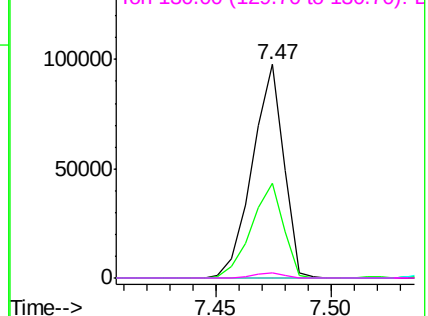


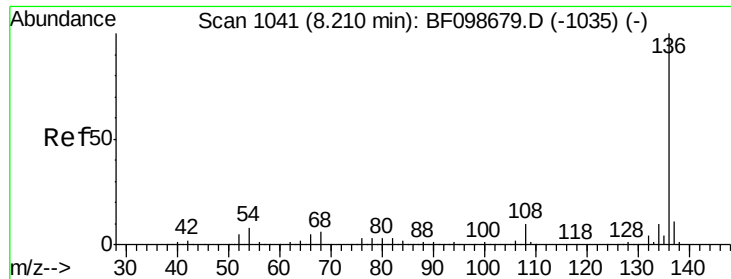
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

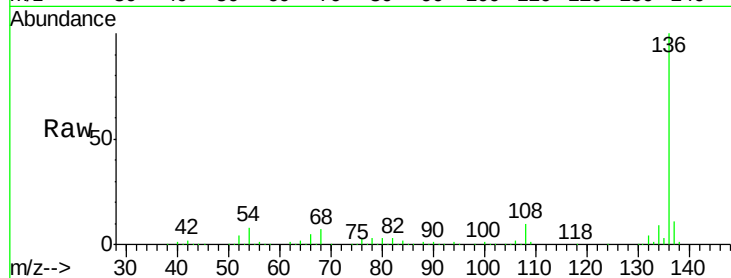




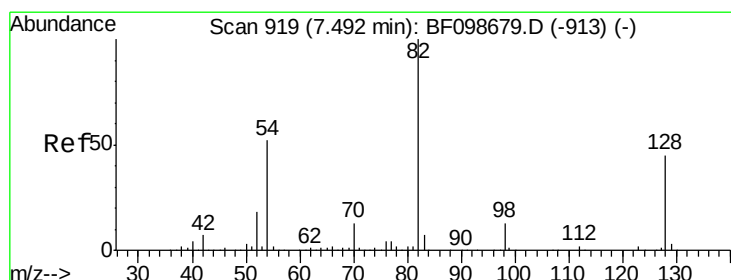
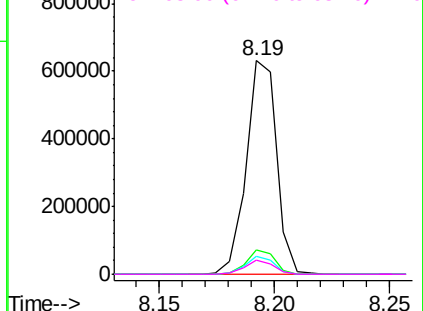
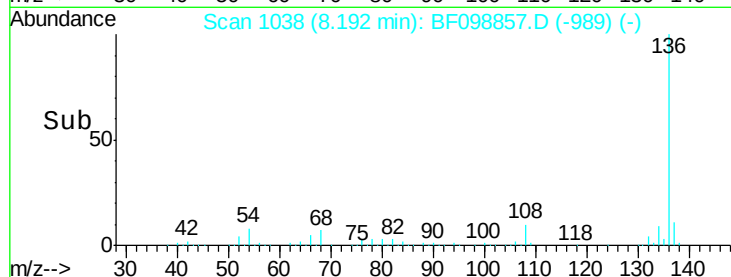
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF098857.D
Acq: 27 Sep 2017 12:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	581817
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.9 13.3
54	8.4	6.6 9.8
68	6.7	5.0 7.4

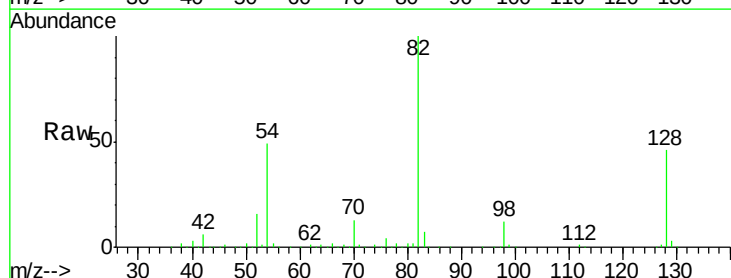


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

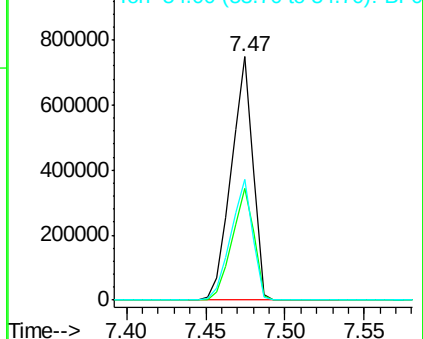
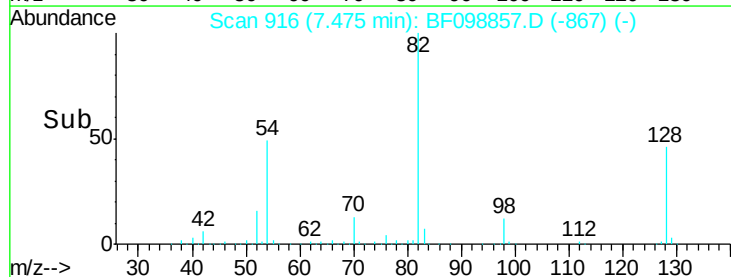


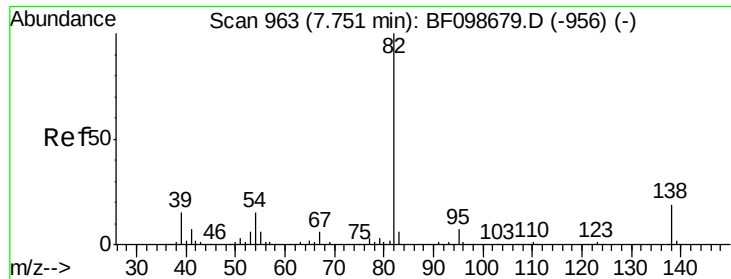
#23
Nitrobenzene-d5
Concen: 78.36 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098857.D
Acq: 27 Sep 2017 12:24

Tgt Ion: 82	Resp:	710923
Ion Ratio	Lower	Upper
82	100	
128	46.1	36.1 54.1
54	49.4	41.4 62.2



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





#25

Isophorone

Concen: 37.90 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.27 min

Lab File: BF098857.D

Acq: 27 Sep 2017 12:24

Instrument :

BNA_F

ClientSampleId :

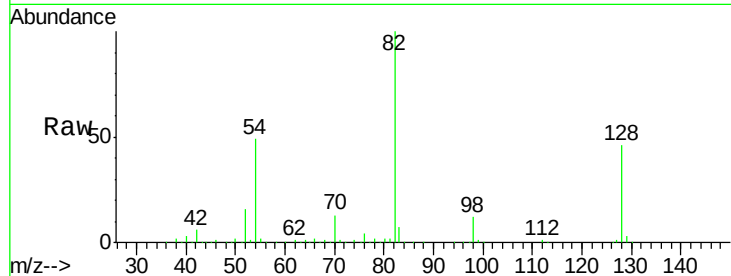
Tot Ion: 82 Resp: 710915

Ion Ratio Lower Upper

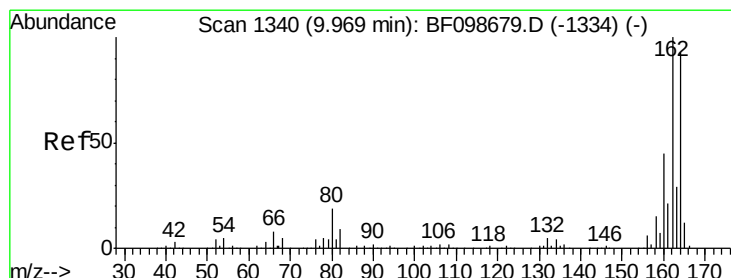
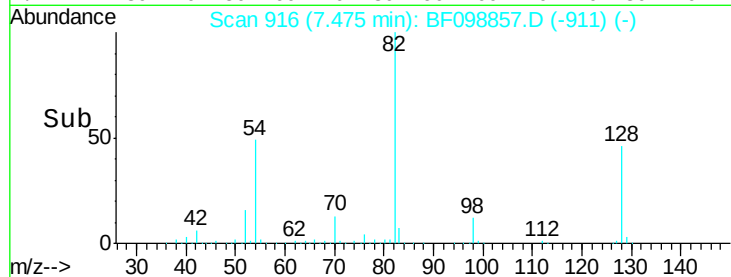
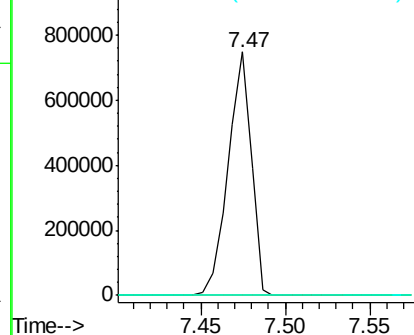
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF098857.D

Acq: 27 Sep 2017 12:24

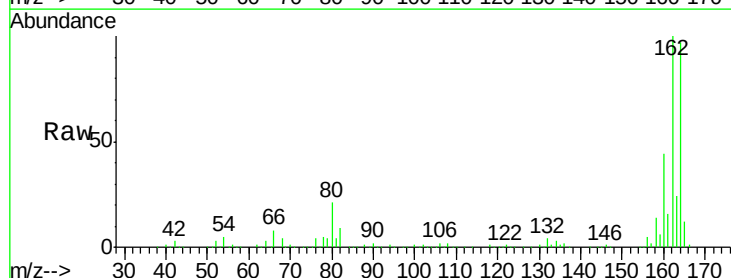
Tgt Ion: 164 Resp: 268523

Ion Ratio Lower Upper

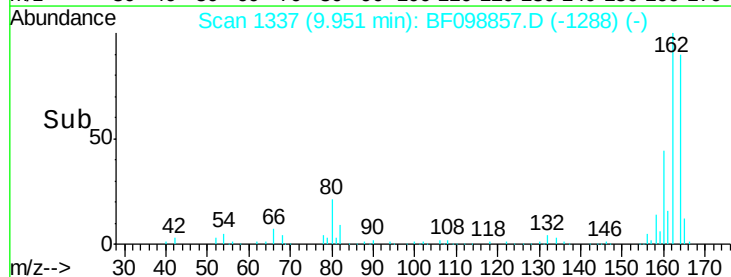
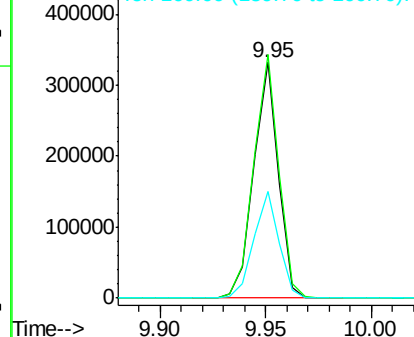
164 100

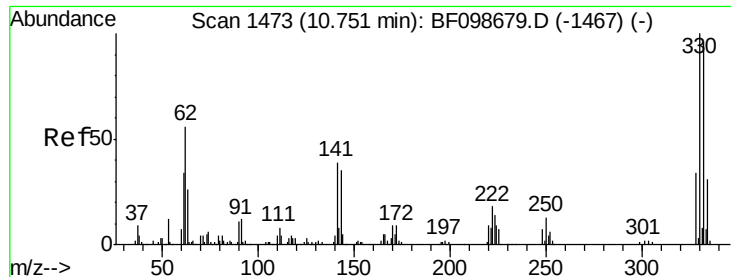
162 103.2 86.1 129.1

160 45.1 38.3 57.5



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: 111.22 ng

RT: 10.74 min Scan# 1471

Delta R.T. -0.01 min

Lab File: BF098857.D

Acq: 27 Sep 2017 12:24

Instrument :

BNA_F

ClientSampleId :

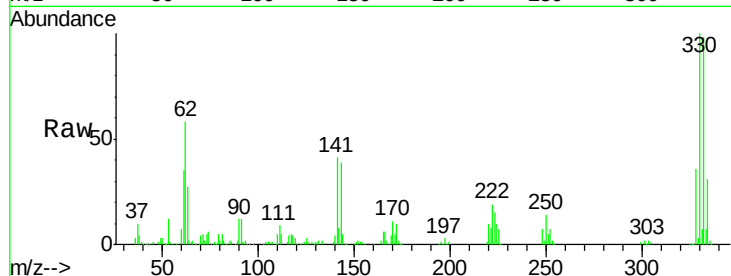
Tot Ion:330 Resp: 244369

Ion Ratio Lower Upper

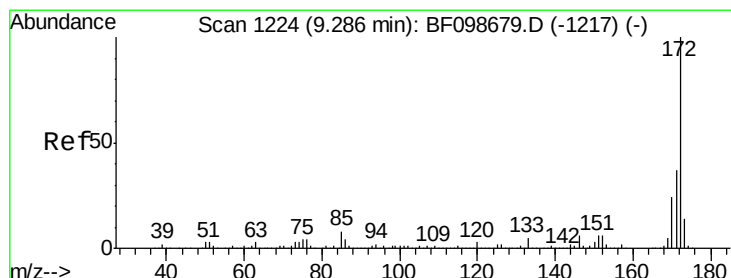
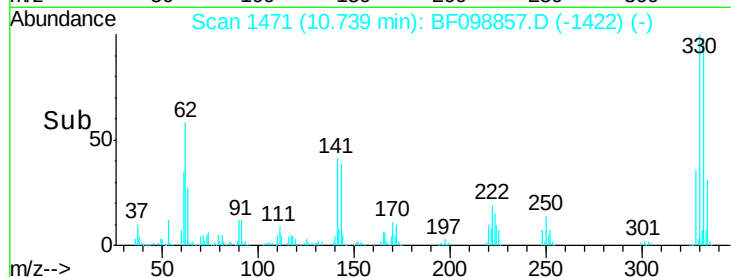
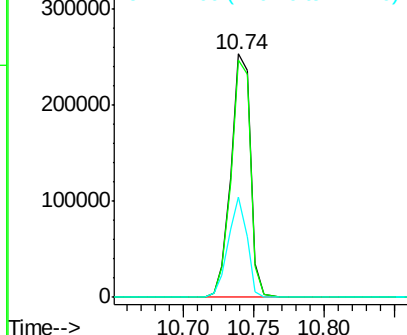
330 100

332 96.9 77.0 115.6

141 39.8 29.9 44.9



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: 68.60 ng

RT: 9.27 min Scan# 1221

Delta R.T. -0.01 min

Lab File: BF098857.D

Acq: 27 Sep 2017 12:24

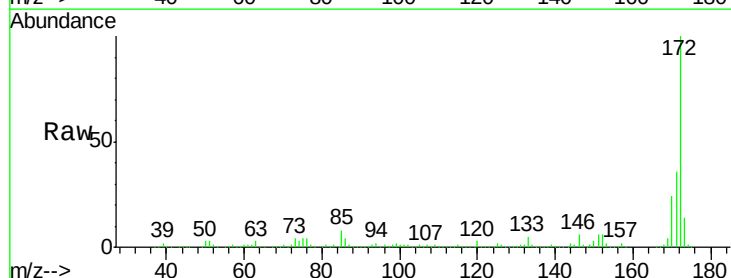
Tgt Ion:172 Resp: 1103450

Ion Ratio Lower Upper

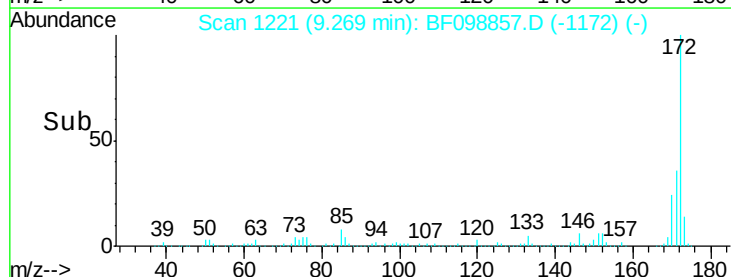
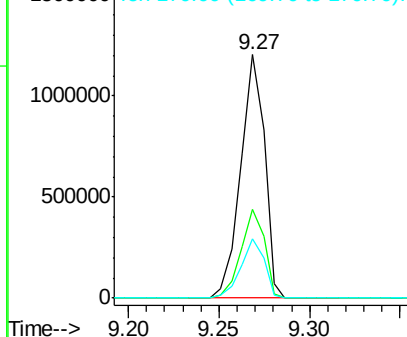
172 100

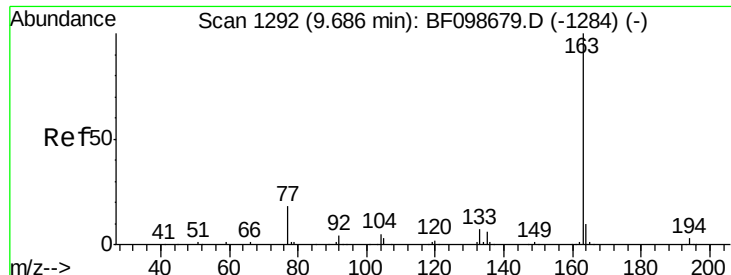
171 36.5 29.7 44.5

170 24.3 19.6 29.4



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

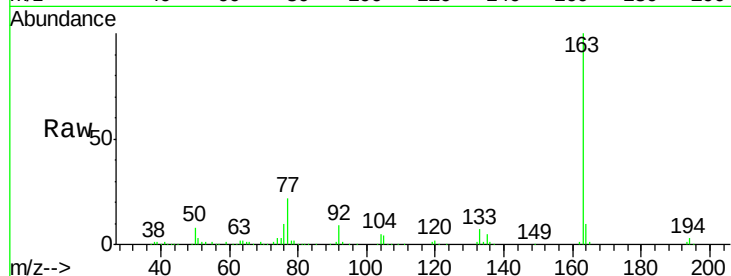




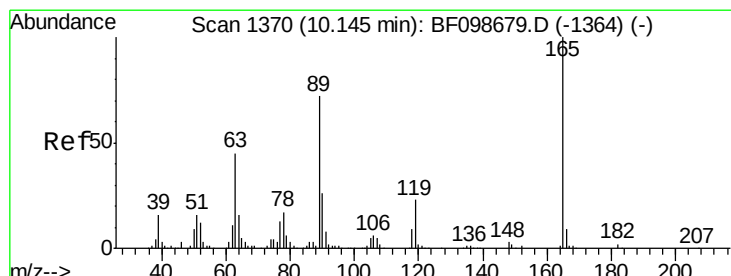
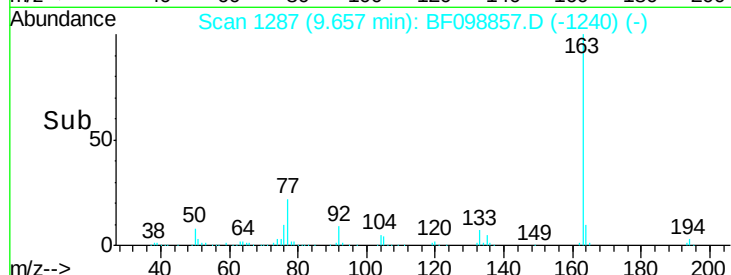
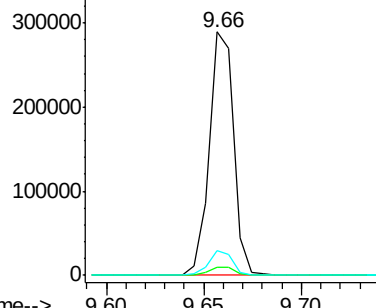
#49
Dimethylphthalate
Concen: 12.32 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BF098857.D
Acq: 27 Sep 2017 12:24

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	10.3	8.2	12.2



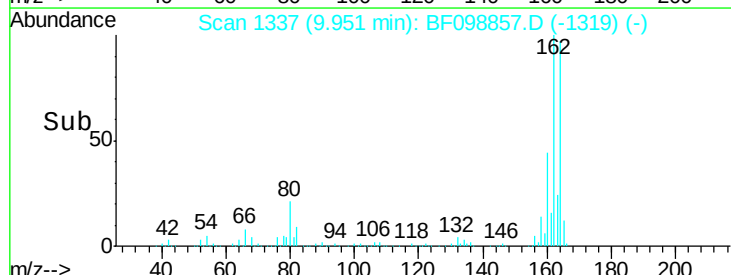
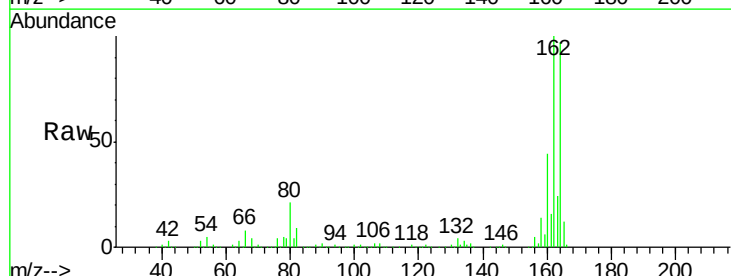
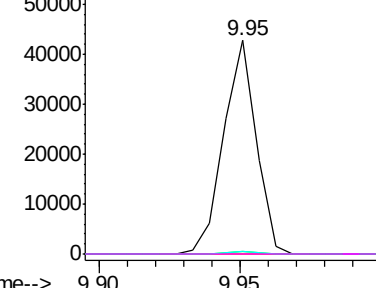
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

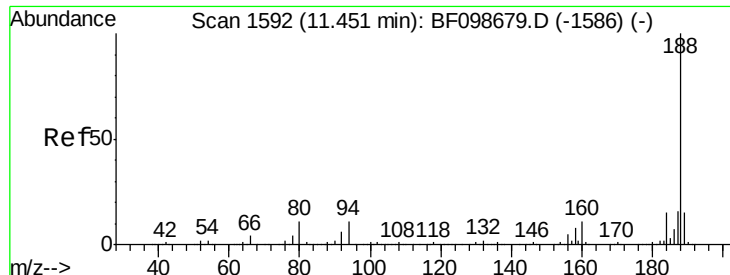


#56
2,4-Dinitrotoluene
Concen: 6.00 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.19 min
Lab File: BF098857.D
Acq: 27 Sep 2017 12:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

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
Ion 182.00 (181.70 to 182.70): E

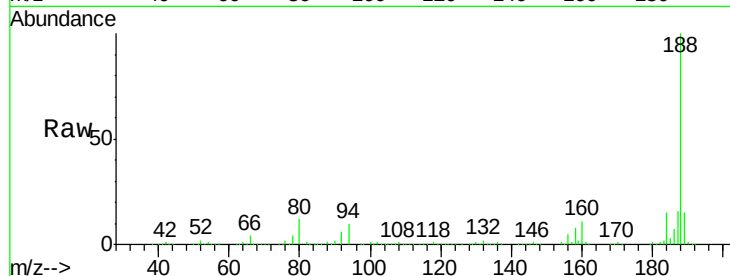




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098857.D
Acq: 27 Sep 2017 12:24

Instrument :
BNA_F
ClientSampleId :

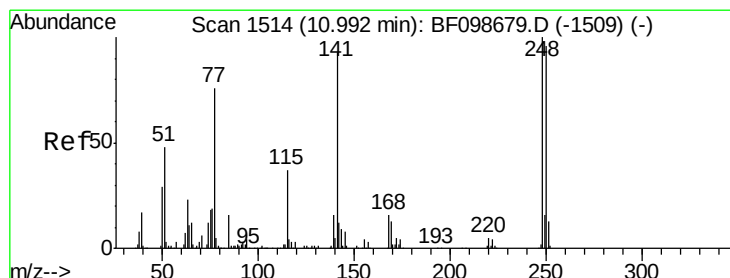
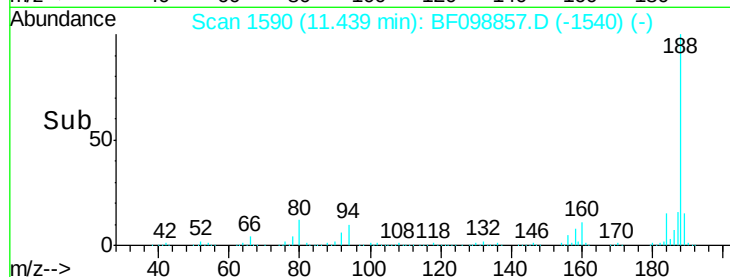
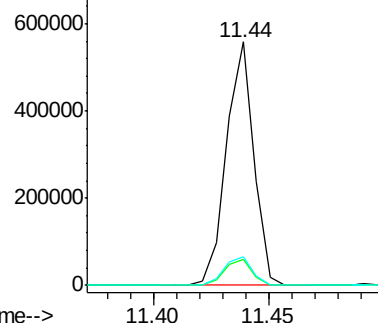
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.5	12.7
80	11.6	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E

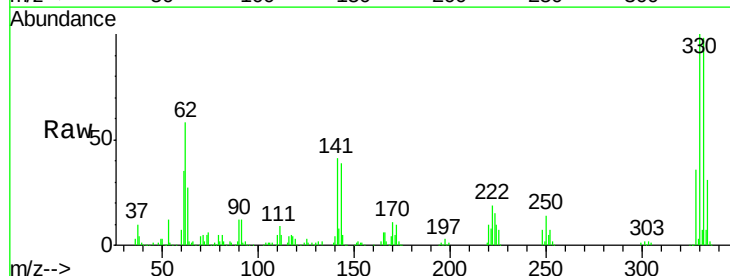
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#66
4-Bromophenyl-phenylether
Concen: 3.69 ng
RT: 10.74 min Scan# 1471
Delta R.T. -0.25 min
Lab File: BF098857.D
Acq: 27 Sep 2017 12:24

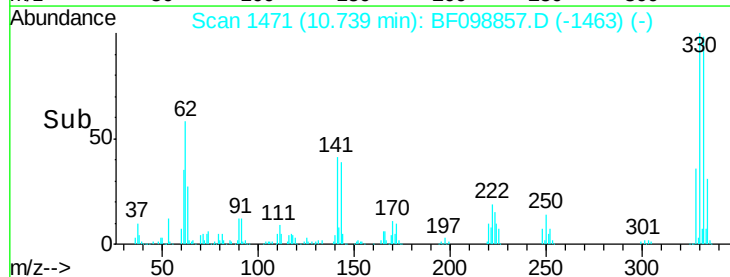
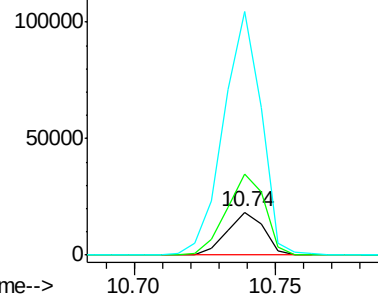
Tgt Ion	Ratio	Lower	Upper
248	100		
250	190.1	76.9	115.3#
141	567.7	74.4	111.6#

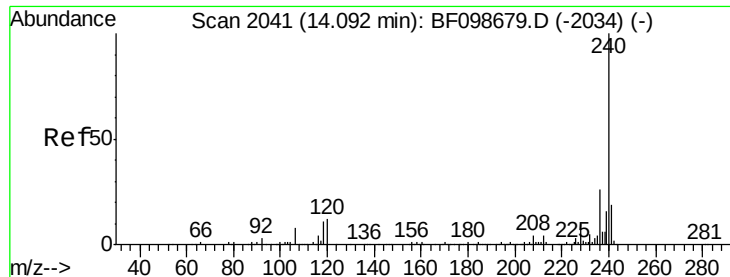


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF098857.D

Acq: 27 Sep 2017 12:24

Instrument :

BNA_F

ClientSampleId :

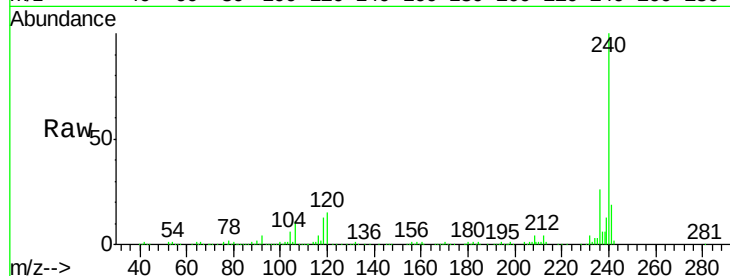
Tot Ion:240 Resp: 276341

Ion Ratio Lower Upper

240 100

120 15.4 9.5 14.3#

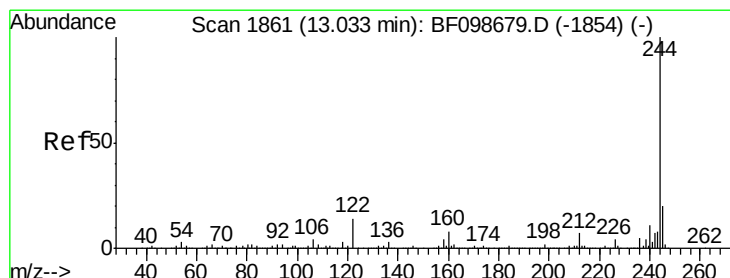
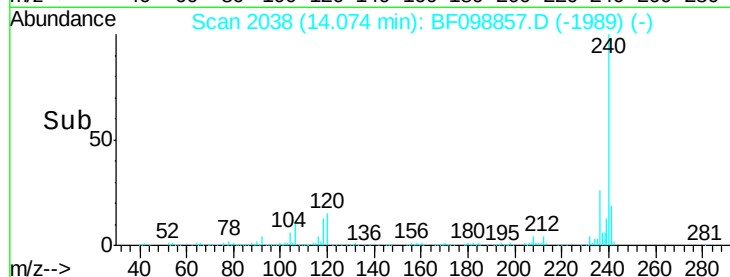
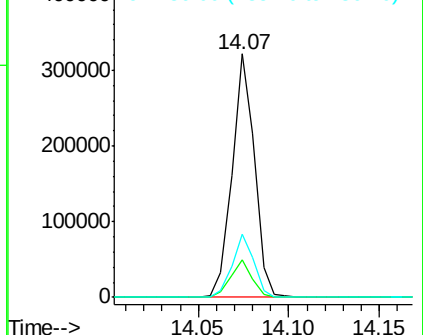
236 25.9 20.7 31.1



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: 76.93 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098857.D

Acq: 27 Sep 2017 12:24

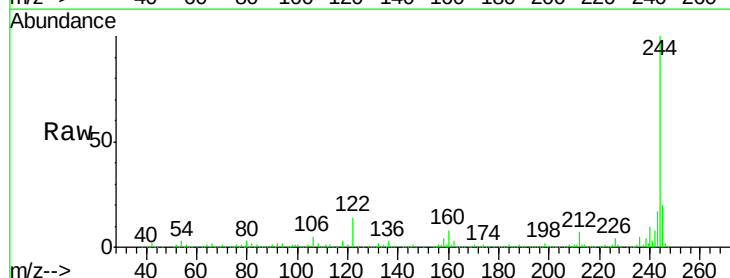
Tgt Ion:244 Resp: 934825

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

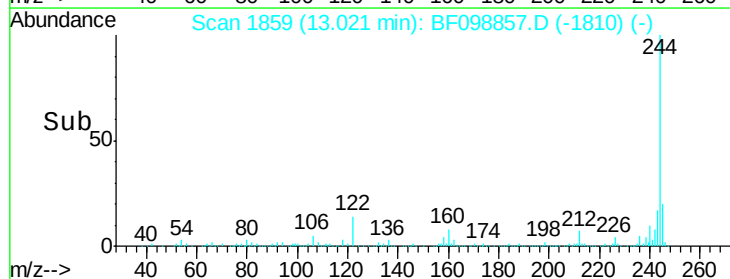
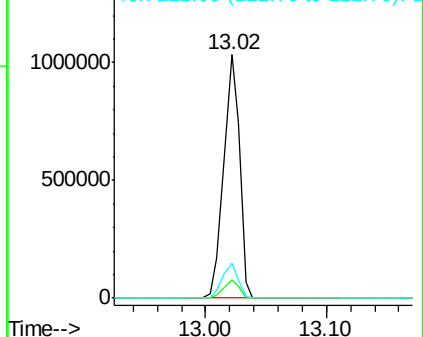
122 14.4 11.0 16.4

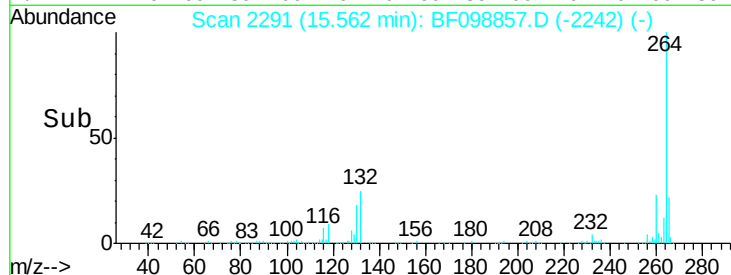
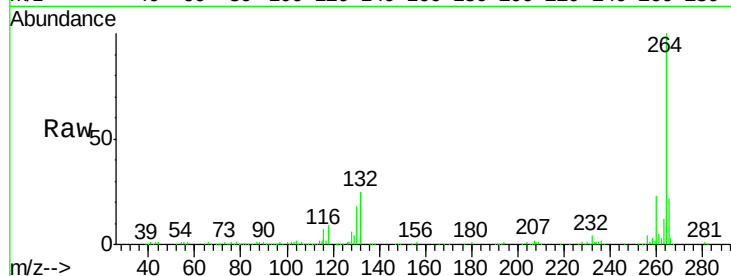
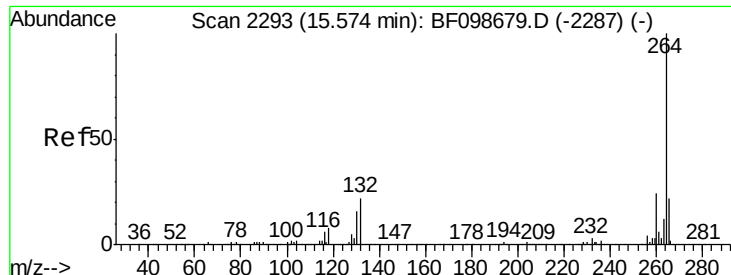


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.56 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BF098857.D
 Acq: 27 Sep 2017 12:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	240131
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.2	28.8
265	22.3	17.5	26.3

