

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092917\
 Data File : BF098954.D
 Acq On : 29 Sep 2017 18:04
 Operator : SJ/JU
 Sample : I5487-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 29 19:07:38 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

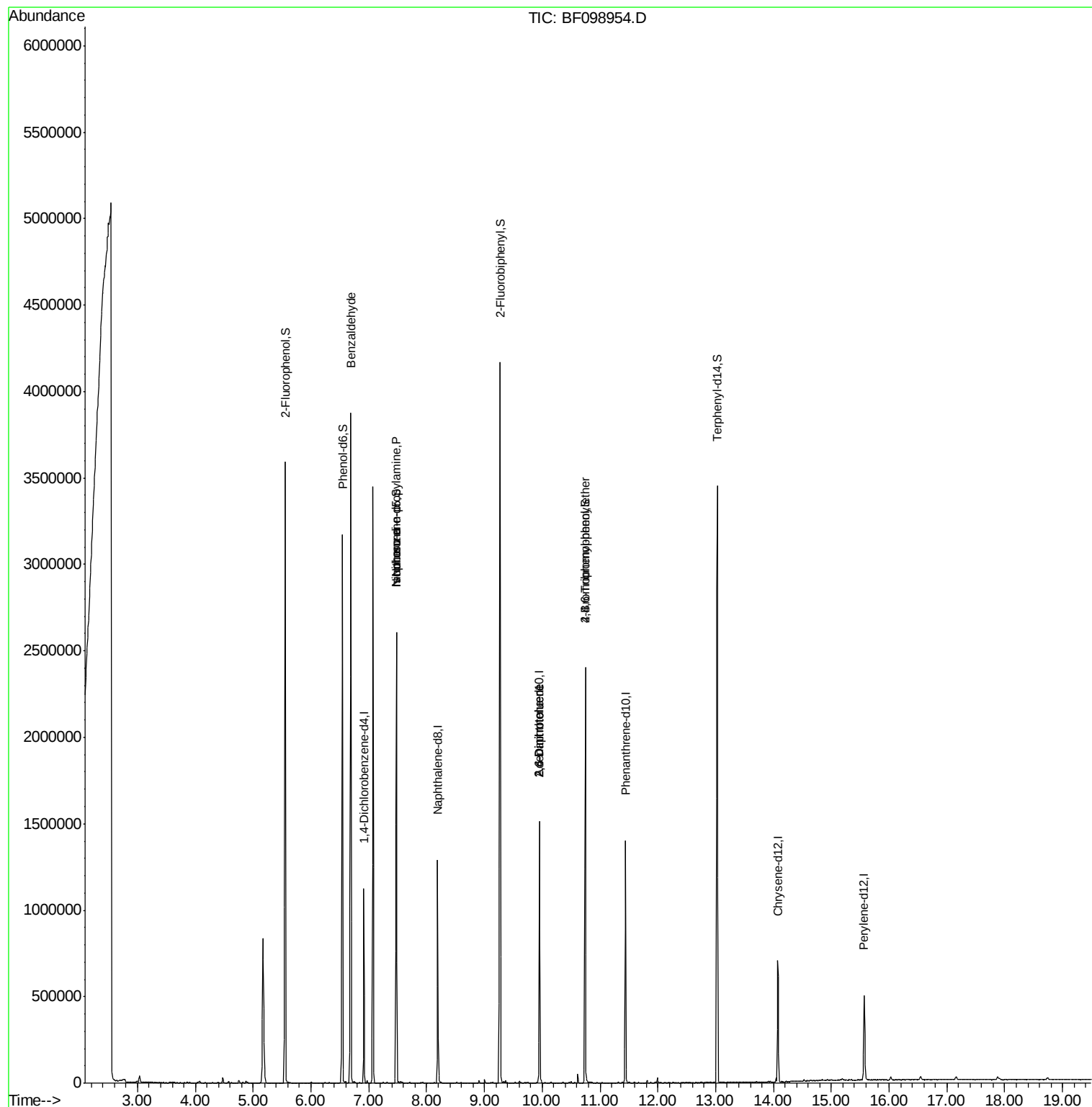
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	149643	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	627430	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	281078	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	445396	20.00	ng	0.00
75) Chrysene-d12	14.07	240	230077	20.00	ng	-0.01
86) Perylene-d12	15.57	264	231254	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	1184192	125.97	ng	0.02
7) Phenol-d6	6.55	99	1337285	115.32	ng	0.00
23) Nitrobenzene-d5	7.48	82	971519	99.30	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	303659	132.03	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	1626276	96.59	ng	0.00
78) Terphenyl-d14	13.03	244	1149206	113.59	ng	0.00
Target Compounds						
9) Benzaldehyde	6.69	77	25745	3.827	ng	88
19) n-Nitroso-di-n-propylamine	7.48	70	129238	17.456	ng	# 77
25) Isophorone	7.48	82	971663	48.036	ng	# 64
50) 2,6-Dinitrotoluene	9.95	165	35836	7.759	ng	# 26
56) 2,4-Dinitrotoluene	9.95	165	35836	5.979	ng	# 23
66) 4-Bromophenyl-phenylether	10.75	248	20322	4.661	ng	# 1

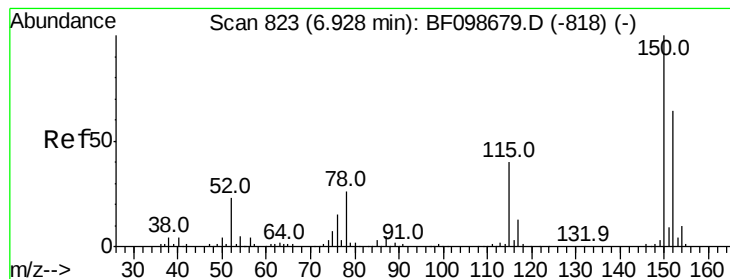
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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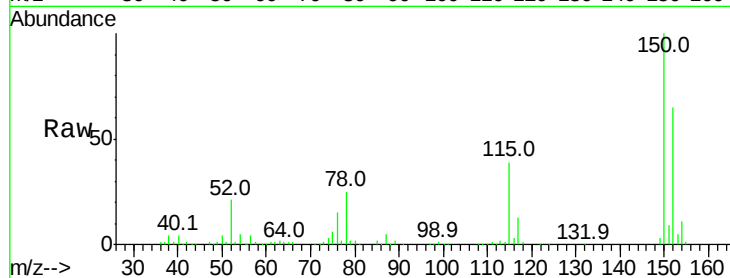


#1

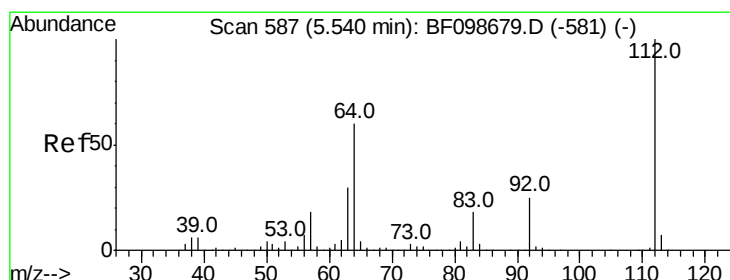
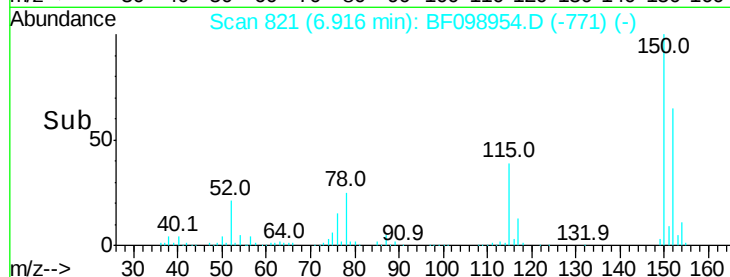
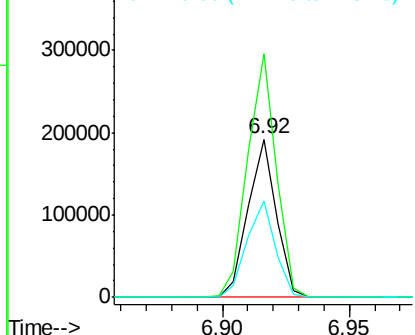
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098954.D
Acq: 29 Sep 2017 18:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 149643
Ion Ratio Lower Upper
152 100
150 153.8 124.6 186.8
115 60.6 50.1 75.1



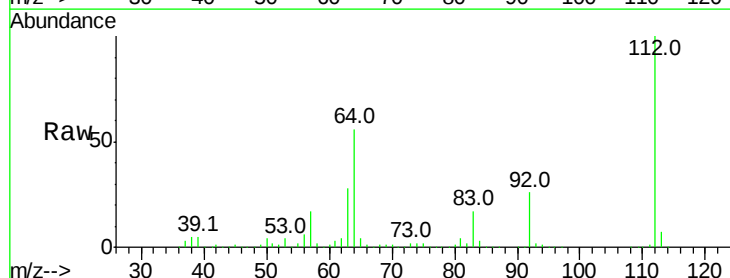
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



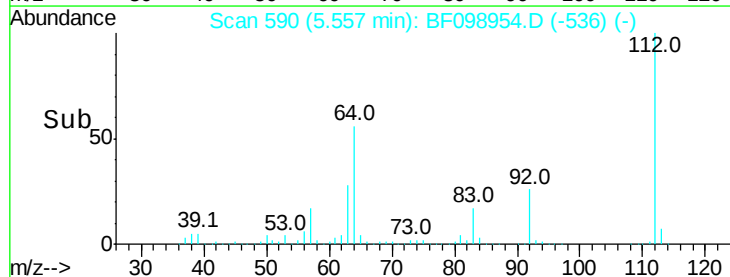
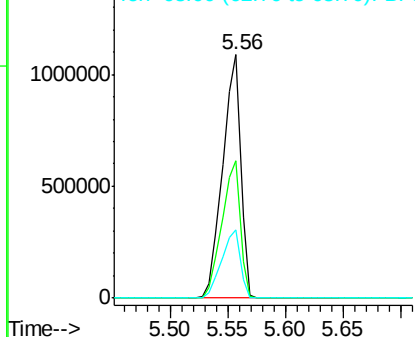
#5

2-Fluorophenol
Concen: 125.974 ng
RT: 5.56 min Scan# 590
Delta R.T. 0.02 min
Lab File: BF098954.D
Acq: 29 Sep 2017 18:04

Tgt Ion:112 Resp: 1184192
Ion Ratio Lower Upper
112 100
64 56.4 47.9 71.9
63 27.8 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: 115.320 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.00 min

Lab File: BF098954.D

Acq: 29 Sep 2017 18:04

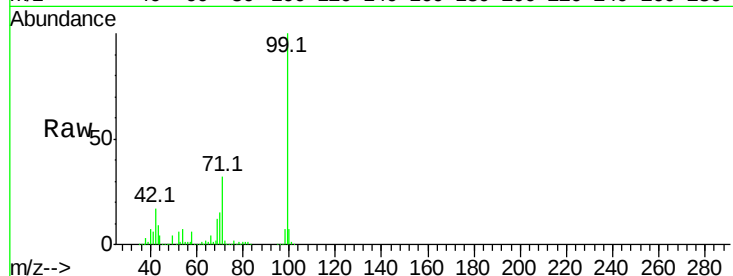
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1337285

Ion	Ratio	Lower	Upper
99	100		
42	17.2	14.5	21.7
71	32.0	25.4	38.0

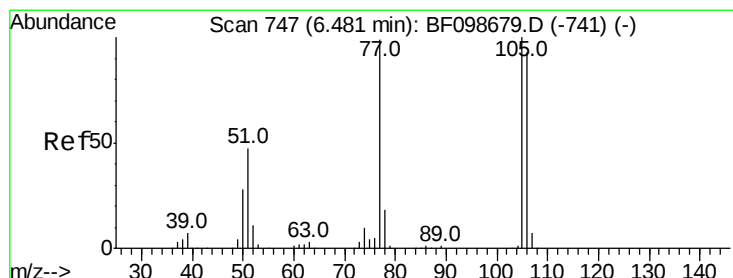
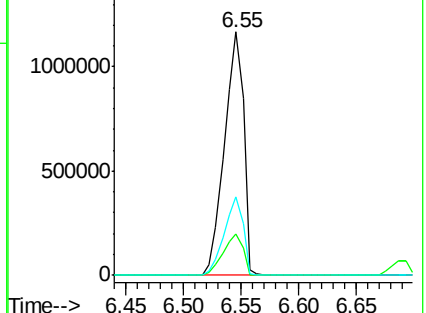
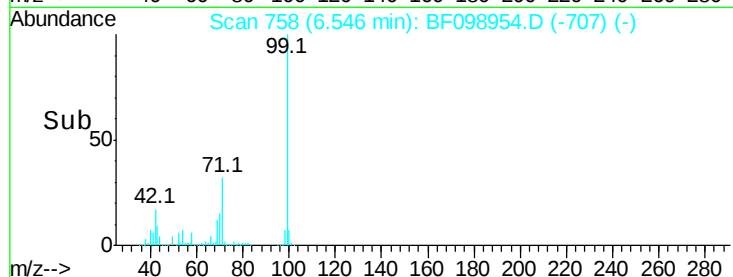


Abundance

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: 3.827 ng

RT: 6.69 min Scan# 783

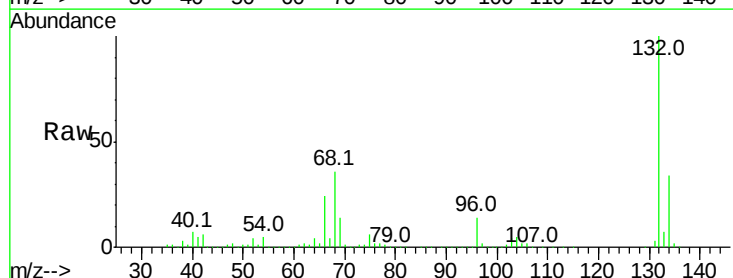
Delta R.T. 0.22 min

Lab File: BF098954.D

Acq: 29 Sep 2017 18:04

Tgt Ion: 77 Resp: 25745

Ion	Ratio	Lower	Upper
77	100		
105	87.4	81.1	121.1
106	84.1	74.5	114.5

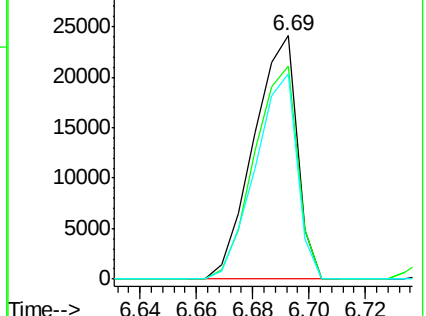
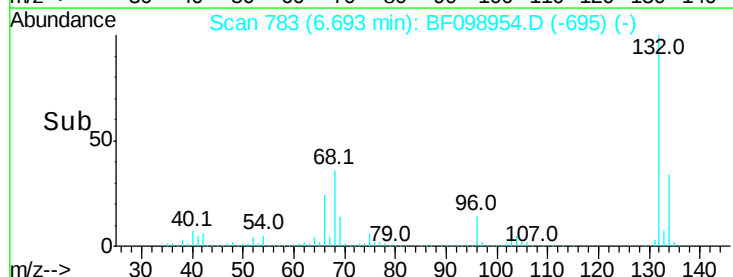


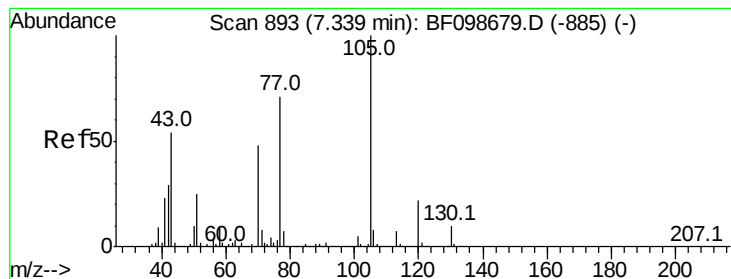
Abundance

Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 17.456 ng

RT: 7.48 min Scan# 917

Delta R.T. 0.15 min

Lab File: BF098954.D

Acq: 29 Sep 2017 18:04

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 129238

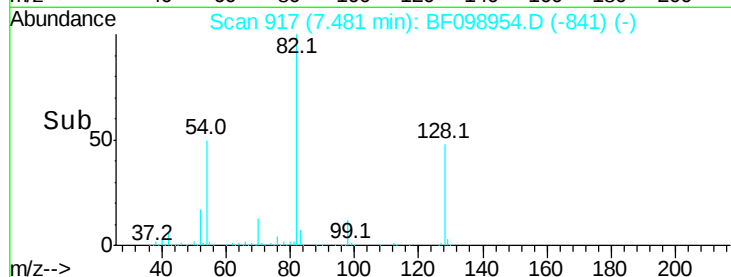
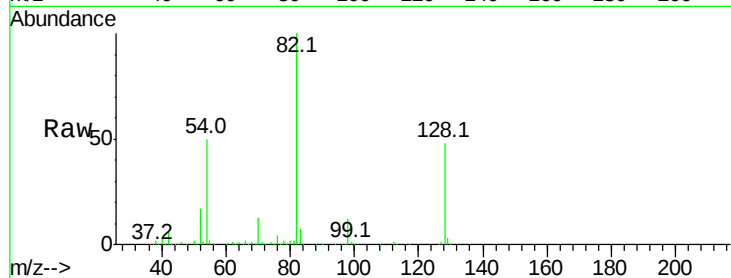
Ion Ratio Lower Upper

70 100

42 46.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

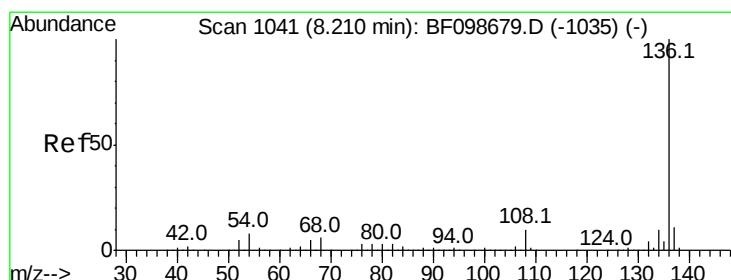
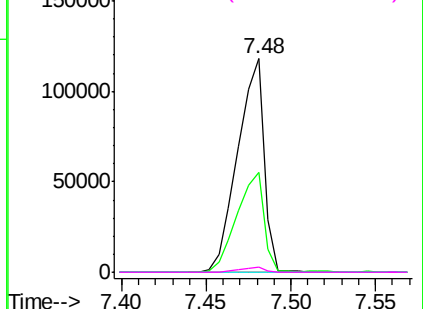


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 20.000 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF098954.D

Acq: 29 Sep 2017 18:04

Tgt Ion:136 Resp: 627430

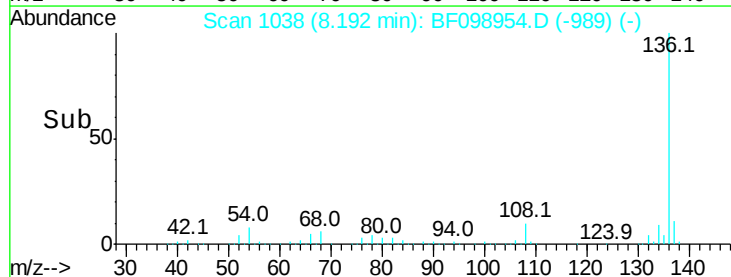
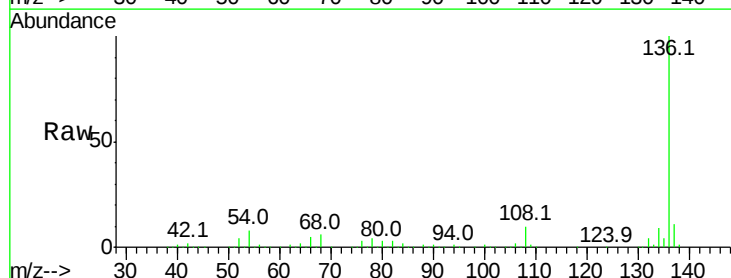
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 8.4 6.6 9.8

68 6.4 5.0 7.4

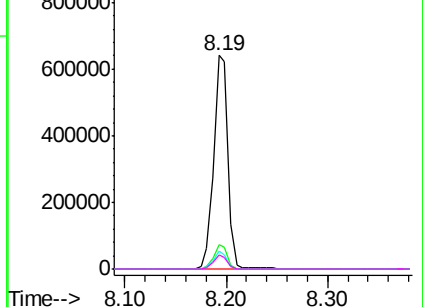


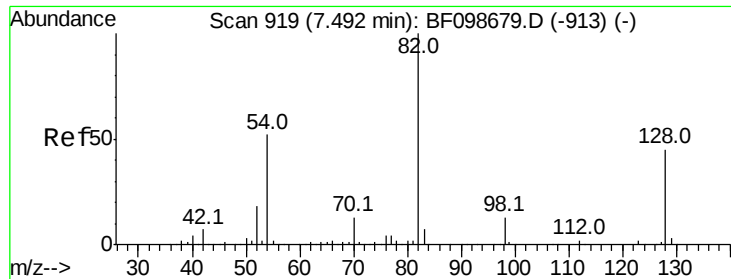
Abundance Ion 136.00 (135.70 to 136.70): E

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

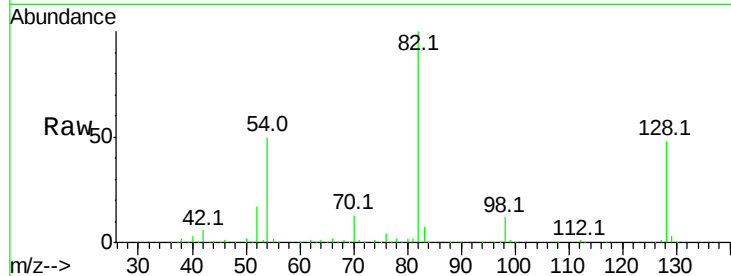




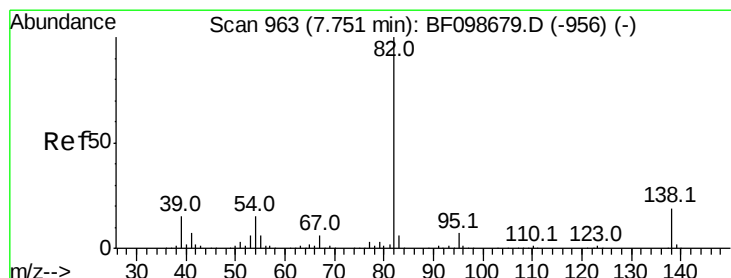
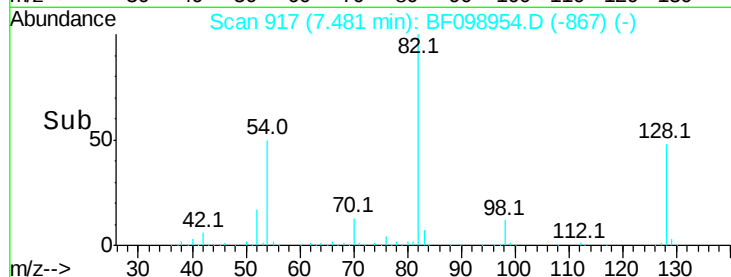
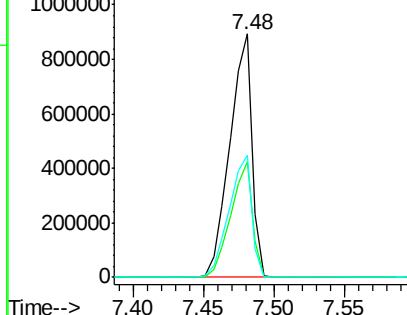
#23
 Nitrobenzene-d5
 Concen: 99.300 ng
 RT: 7.48 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: BF098954.D
 Acq: 29 Sep 2017 18:04

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 971519
 Ion Ratio Lower Upper
 82 100
 128 47.7 36.1 54.1
 54 50.2 41.4 62.2

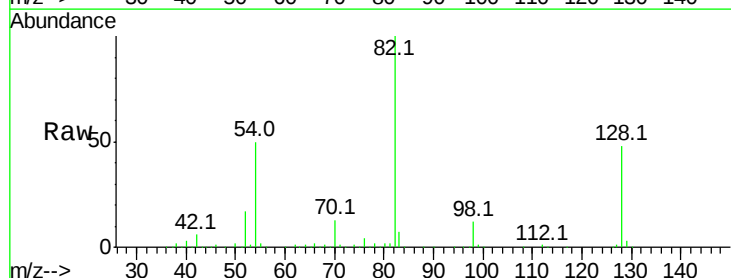


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

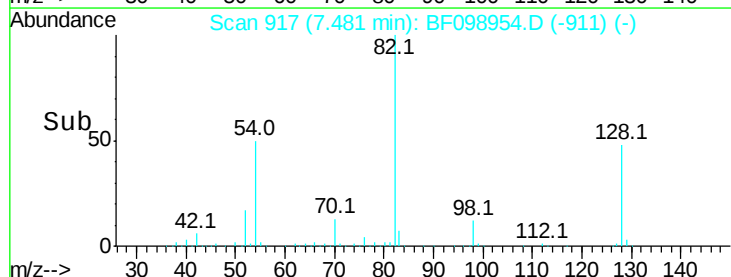
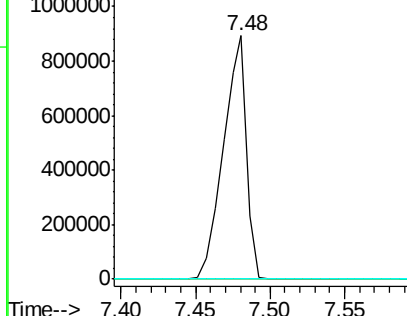


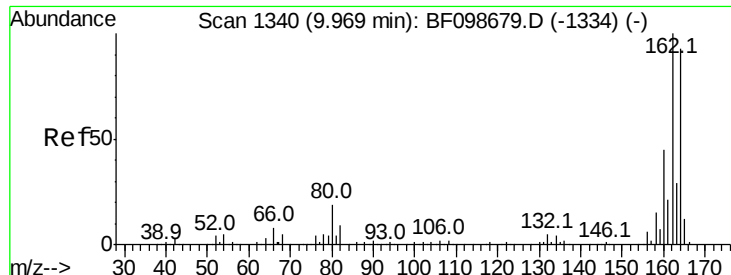
#25
 Isophorone
 Concen: 48.036 ng
 RT: 7.48 min Scan# 917
 Delta R.T. -0.26 min
 Lab File: BF098954.D
 Acq: 29 Sep 2017 18:04

Tgt Ion: 82 Resp: 971663
 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: 20.000 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF098954.D

Acq: 29 Sep 2017 18:04

Instrument :

BNA_F

ClientSampleId :

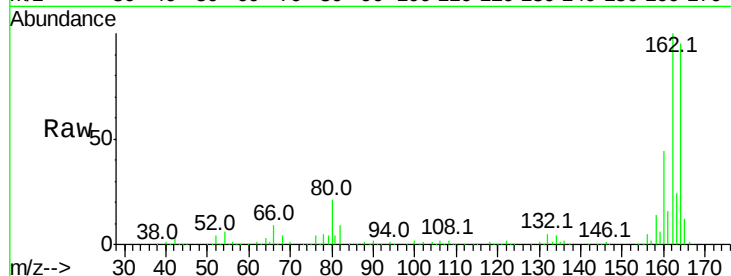
Tot Ion:164 Resp: 281078

Ion Ratio Lower Upper

164 100

162 104.9 86.1 129.1

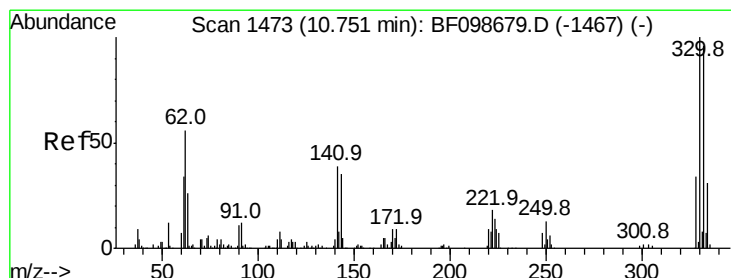
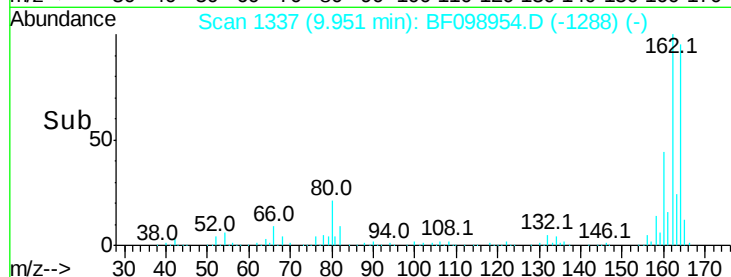
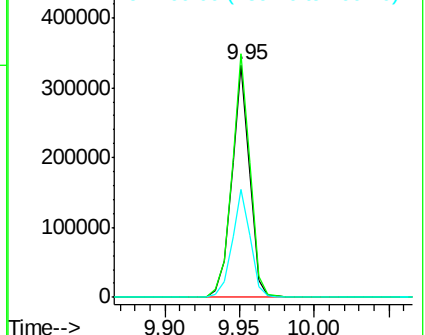
160 46.5 38.3 57.5



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: 132.027 ng

RT: 10.75 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BF098954.D

Acq: 29 Sep 2017 18:04

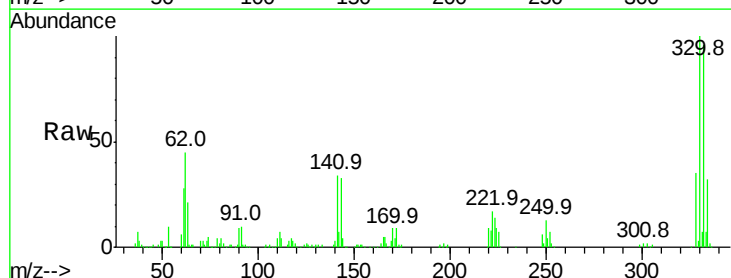
Tgt Ion:330 Resp: 303659

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

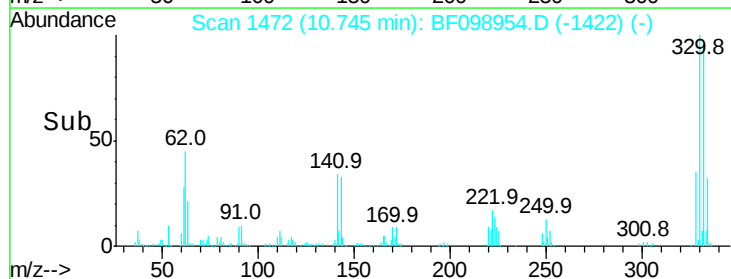
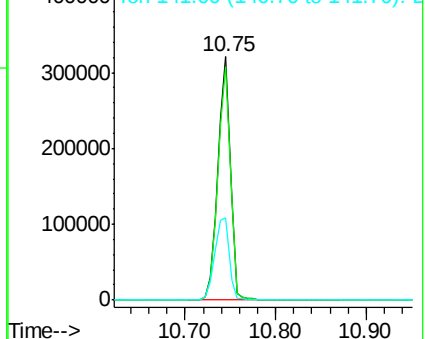
141 40.0 29.9 44.9

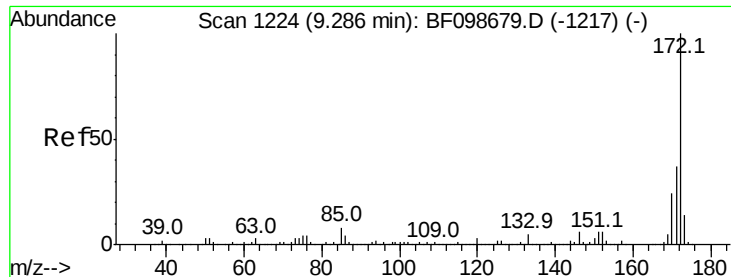


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 96.590 ng

RT: 9.27 min Scan# 1222

Delta R.T. -0.01 min

Lab File: BF098954.D

Acq: 29 Sep 2017 18:04

Instrument :

BNA_F

ClientSampleId :

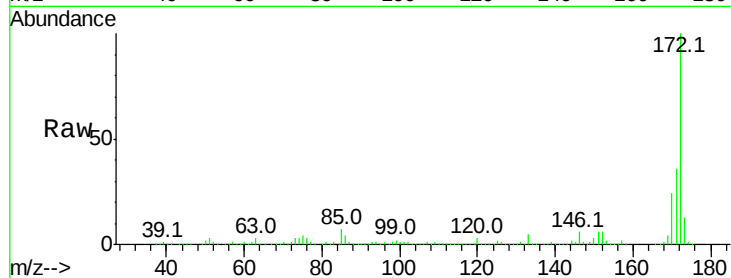
Tot Ion:172 Resp: 1626276

Ion Ratio Lower Upper

172 100

171 36.0 29.7 44.5

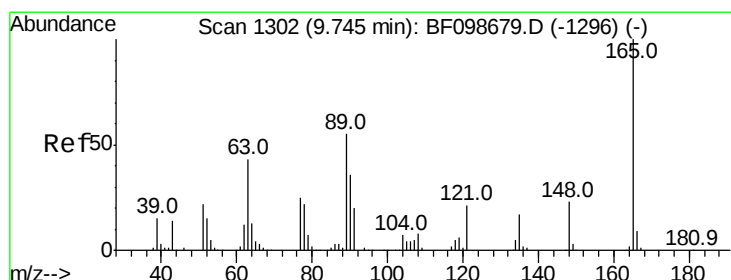
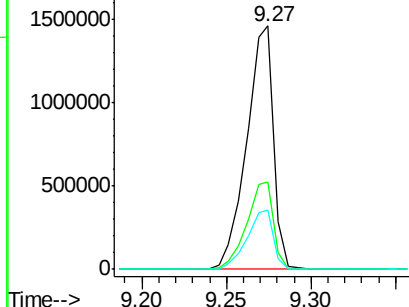
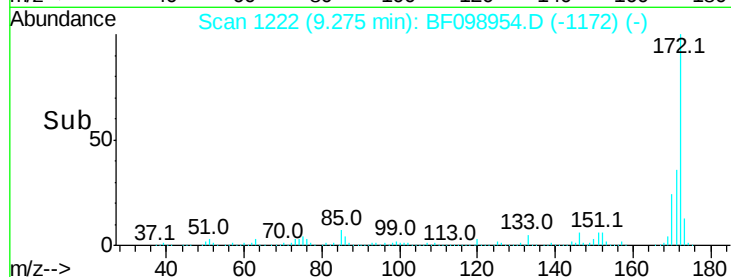
170 24.4 19.6 29.4



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



#50

2,6-Dinitrotoluene

Concen: 7.759 ng

RT: 9.95 min Scan# 1337

Delta R.T. 0.21 min

Lab File: BF098954.D

Acq: 29 Sep 2017 18:04

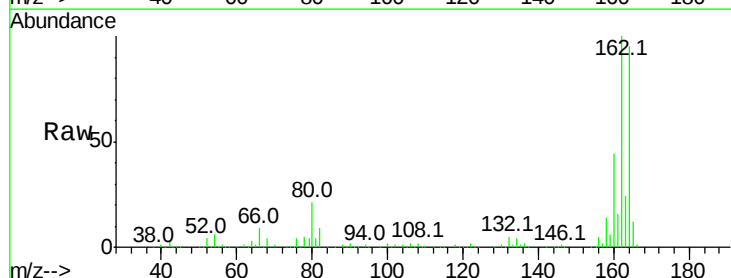
Tgt Ion:165 Resp: 35836

Ion Ratio Lower Upper

165 100

63 1.6 44.7 67.1#

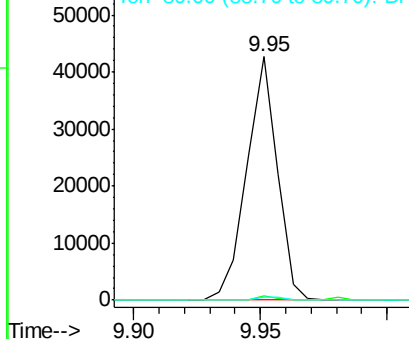
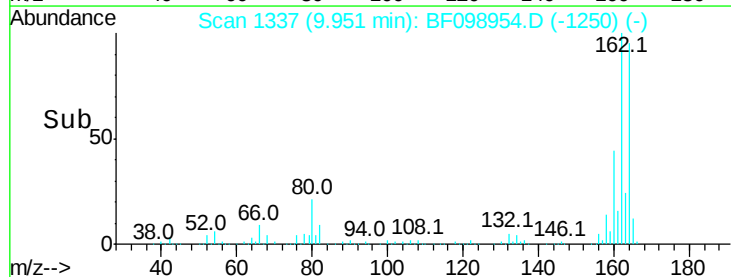
89 1.5 44.0 66.0#



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

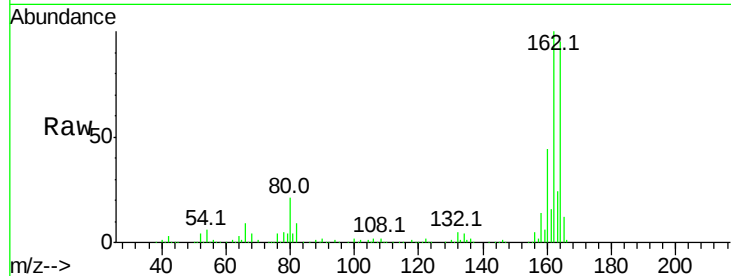




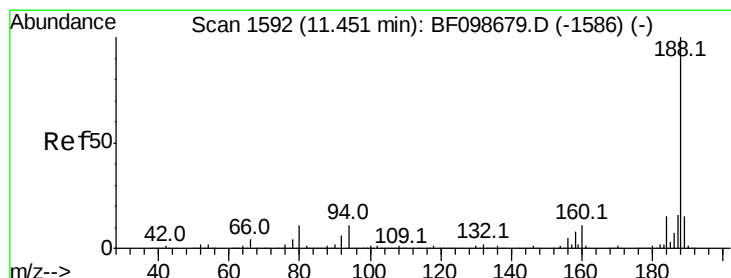
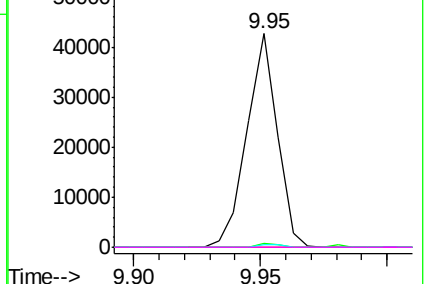
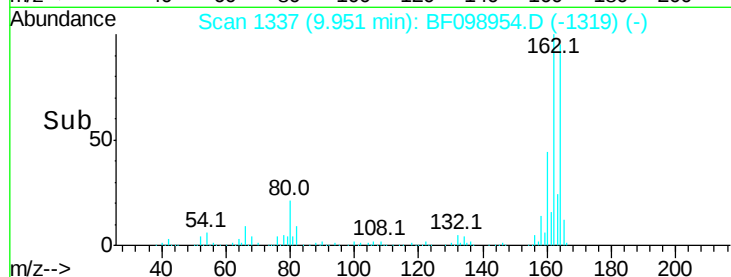
#56
 2,4-Dinitrotoluene
 Concen: 5.979 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.19 min
 Lab File: BF098954.D
 Acq: 29 Sep 2017 18:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 35836
 Ion Ratio Lower Upper
 165 100
 63 1.6 36.4 54.6#
 89 1.5 57.8 86.6#
 182 0.0 1.6 2.4#

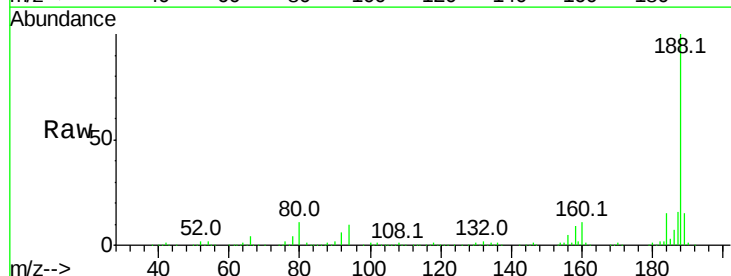


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

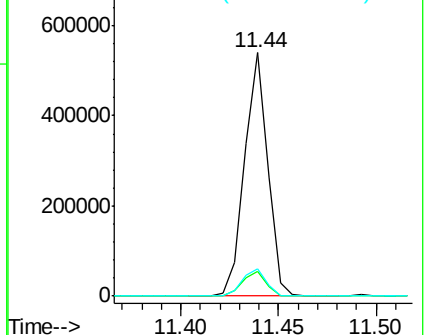
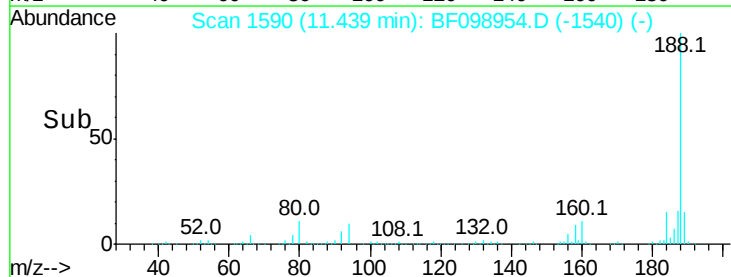


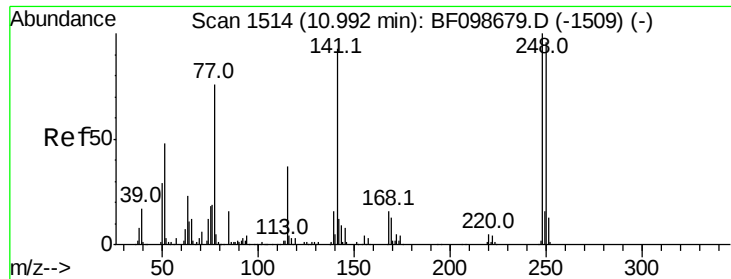
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098954.D
 Acq: 29 Sep 2017 18:04

Tgt Ion:188 Resp: 445396
 Ion Ratio Lower Upper
 188 100
 94 10.2 8.5 12.7
 80 11.3 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

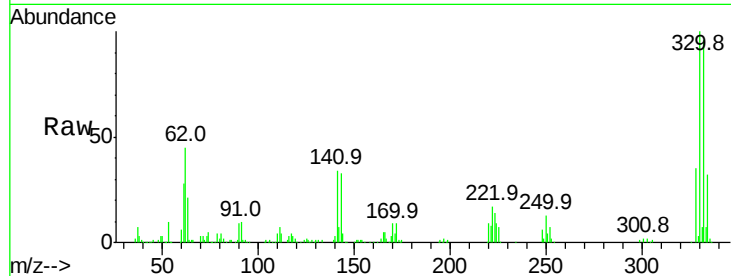




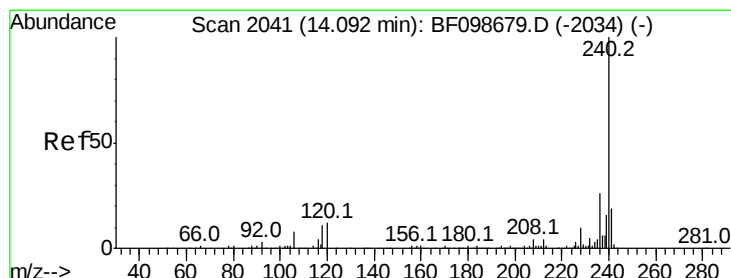
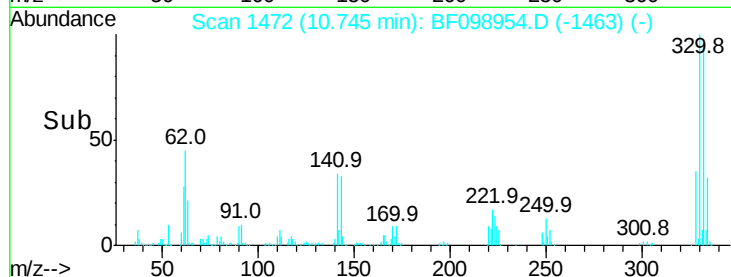
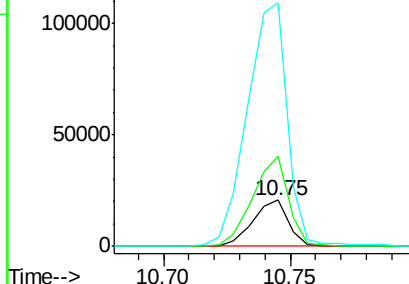
#66
4-Bromophenyl-phenylether
Concen: 4.661 ng
RT: 10.75 min Scan# 1472
Delta R.T. -0.25 min
Lab File: BF098954.D
Acq: 29 Sep 2017 18:04

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 20322
Ion Ratio Lower Upper
248 100
250 193.1 76.9 115.3#
141 524.1 74.4 111.6#

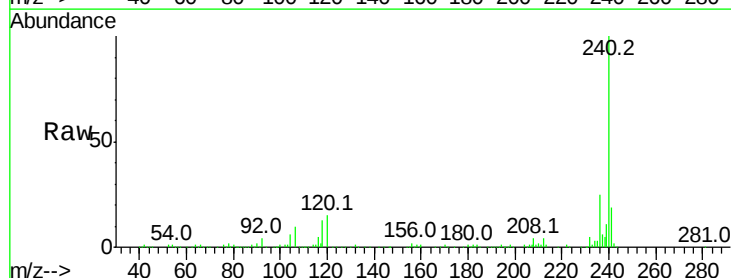


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

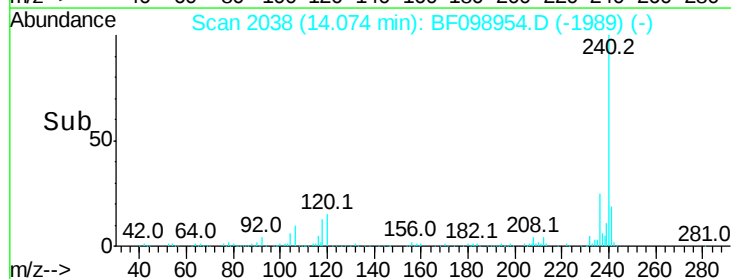
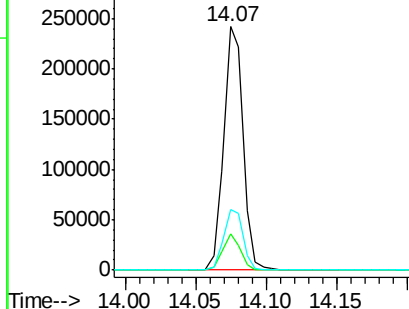


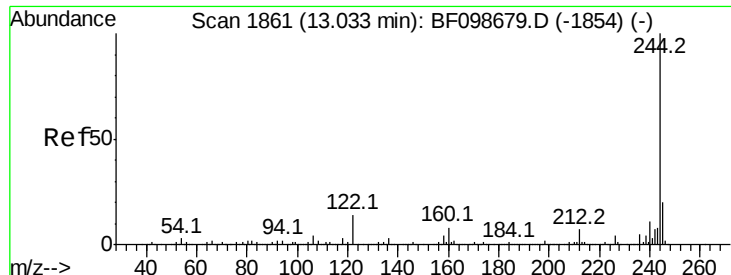
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF098954.D
Acq: 29 Sep 2017 18:04

Tgt Ion:240 Resp: 230077
Ion Ratio Lower Upper
240 100
120 14.8 9.5 14.3#
236 24.8 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: 113.594 ng

RT: 13.03 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BF098954.D

Acq: 29 Sep 2017 18:04

Instrument :

BNA_F

ClientSampleId :

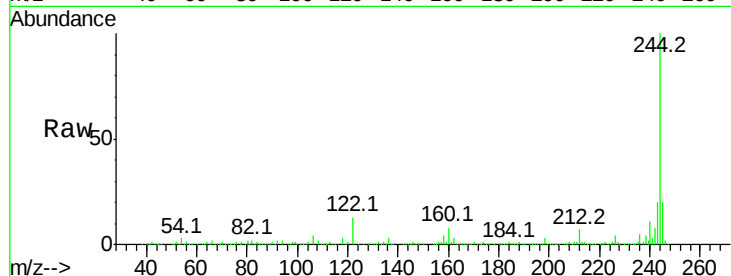
Tot Ion:244 Resp: 1149206

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

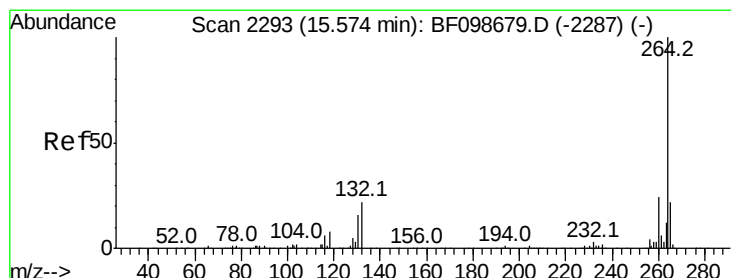
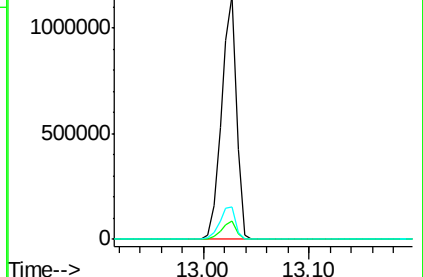
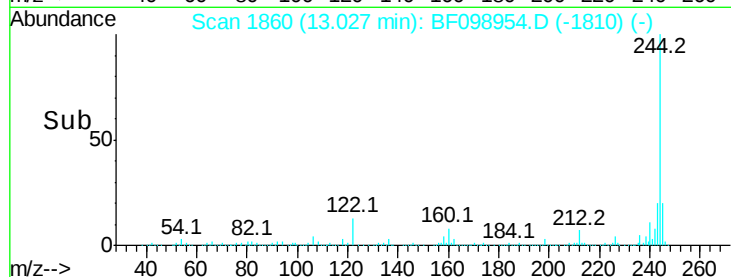
122 13.2 11.0 16.4



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: 20.000 ng

RT: 15.57 min Scan# 2292

Delta R.T. -0.01 min

Lab File: BF098954.D

Acq: 29 Sep 2017 18:04

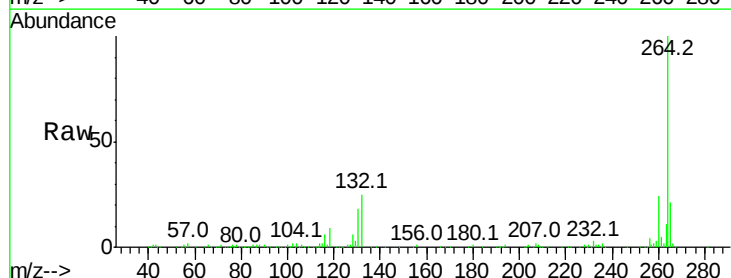
Tgt Ion:264 Resp: 231254

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 20.8 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

