

Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
 Data File : BF102093.D
 Acq On : 16 Jan 2018 6:58
 Operator : SJ/JU
 Sample : J1116-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 16 07:29:33 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

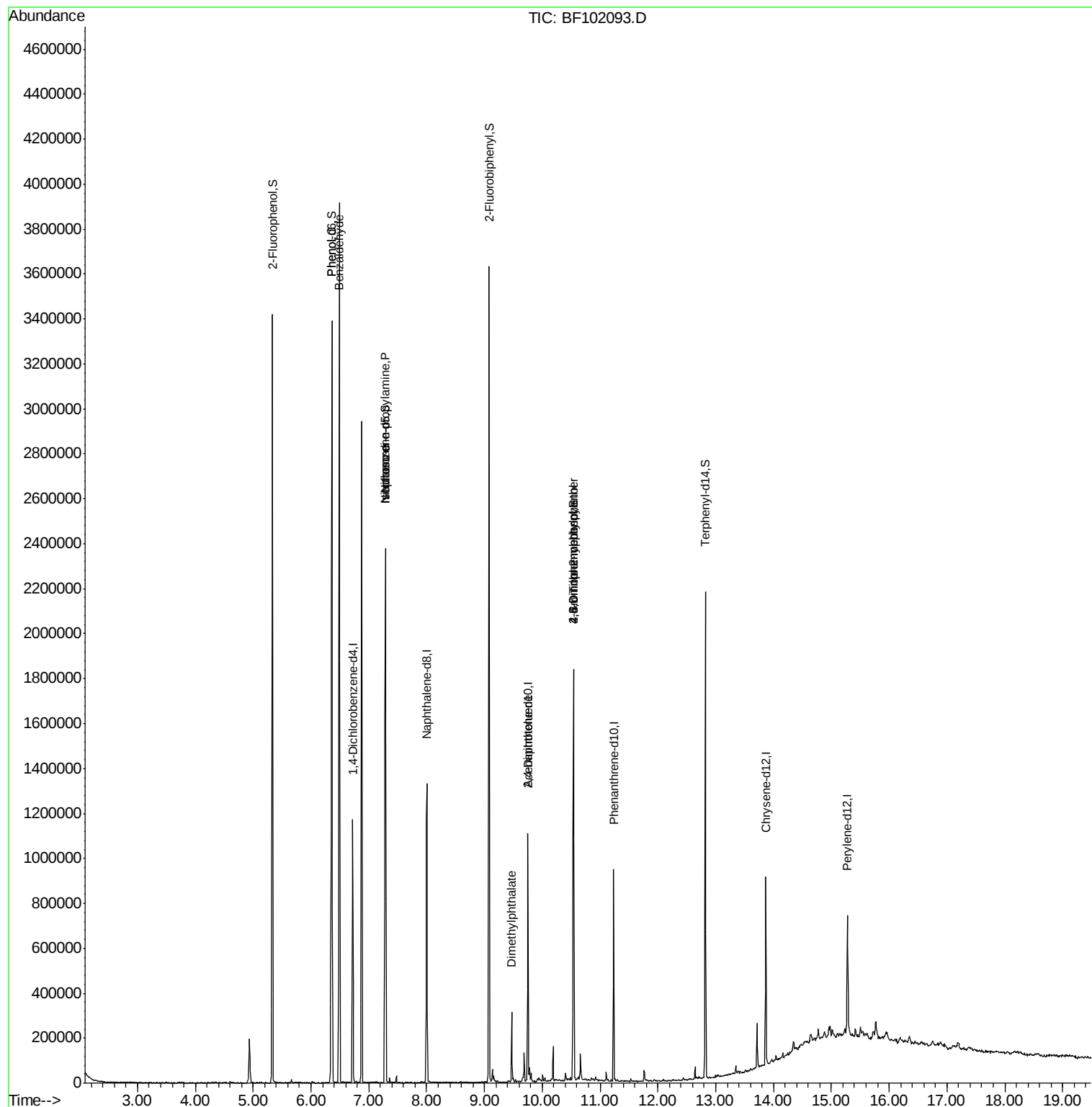
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	156359	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	586459	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	212660	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	294485	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	287193	20.00	ng	-0.01
86) Perylene-d12	15.28	264	224653	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1120710	101.21	ng	0.01
7) Phenol-d6	6.36	99	1304297	98.73	ng	0.00
23) Nitrobenzene-d5	7.29	82	802490	80.41	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	190955	102.89	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	1068256	78.48	ng	-0.01
78) Terphenyl-d14	12.82	244	675963	48.87	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.49	77	24056	2.622	ng	85
10) Phenol	6.37	94	39004	2.612	ng	80
19) n-Nitroso-di-n-propylamine	7.29	70	107225	12.385	ng	# 79
25) Isophorone	7.29	82	799058	40.521	ng	# 64
49) Dimethylphthalate	9.47	163	123781	7.256	ng	# 98
56) 2,4-Dinitrotoluene	9.75	165	27623	6.467	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.54	198	330	5.844	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	12553	4.036	ng	# 1

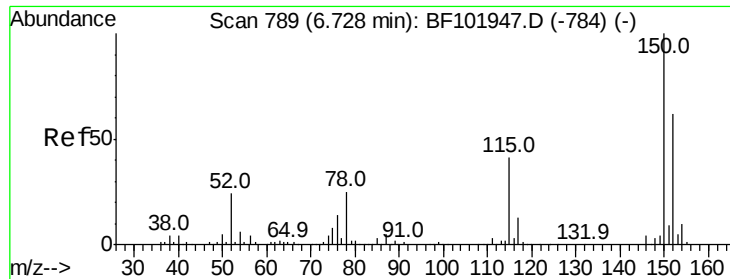
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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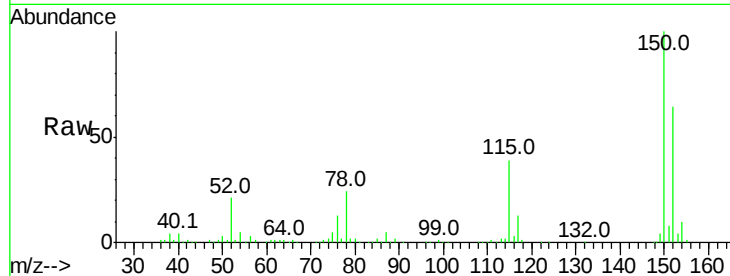


#1

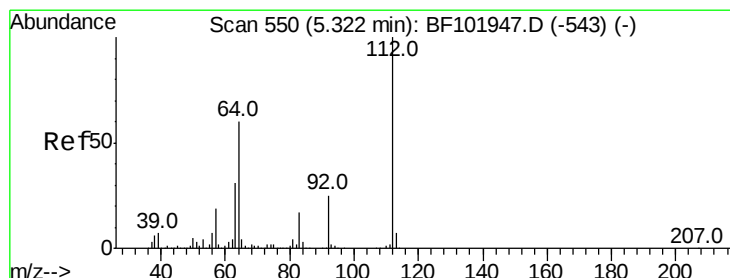
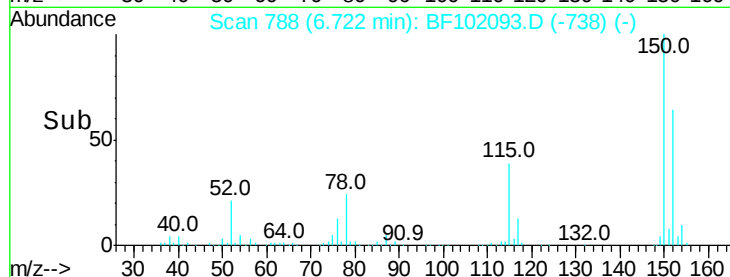
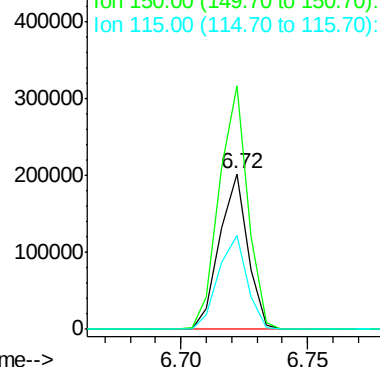
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF102093.D
Acq: 16 Jan 2018 6:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 156359
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 60.4 50.1 75.1



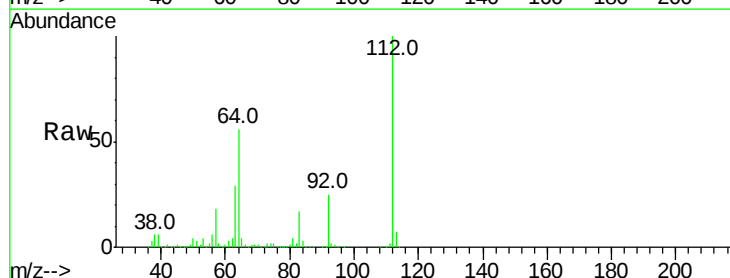
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



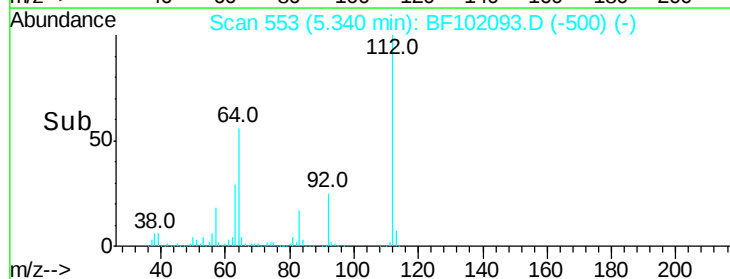
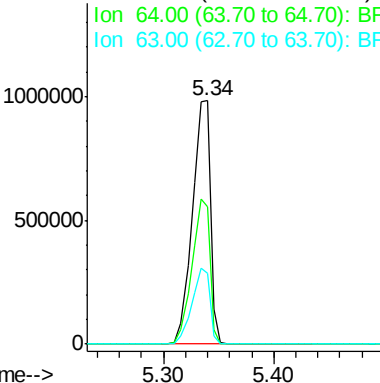
#5

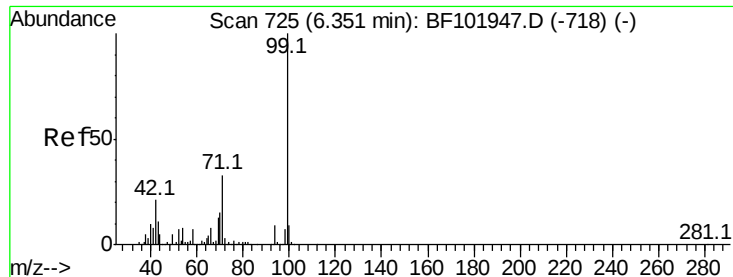
2-Fluorophenol
Concen: 101.212 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF102093.D
Acq: 16 Jan 2018 6:58

Tgt Ion:112 Resp: 1120710
Ion Ratio Lower Upper
112 100
64 56.4 47.9 71.9
63 29.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 98.727 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102093.D

Acq: 16 Jan 2018 6:58

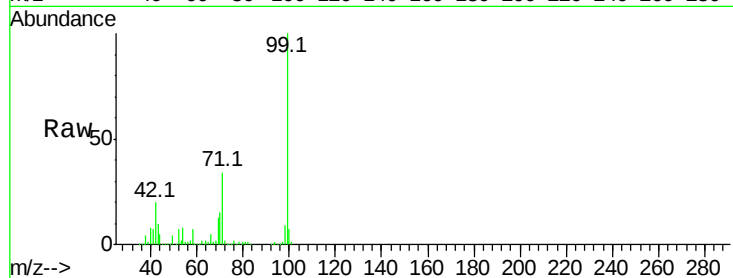
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1304297

Ion	Ratio	Lower	Upper
99	100		
42	19.9	14.5	21.7
71	34.5	25.4	38.0

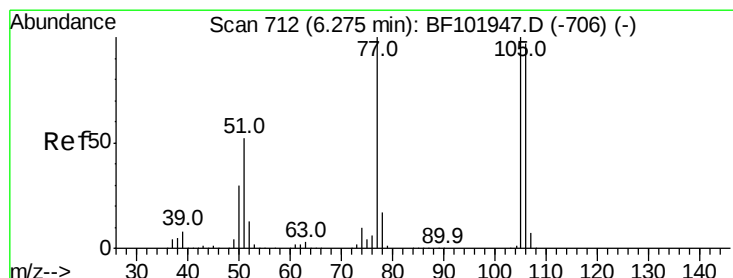
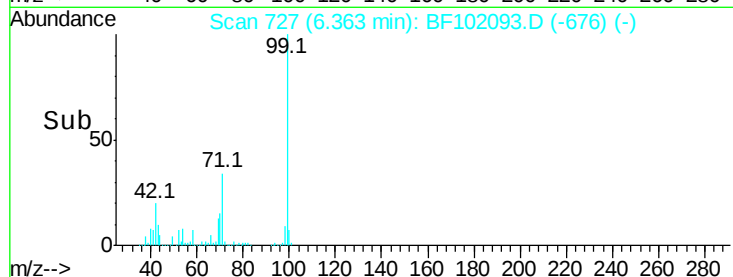
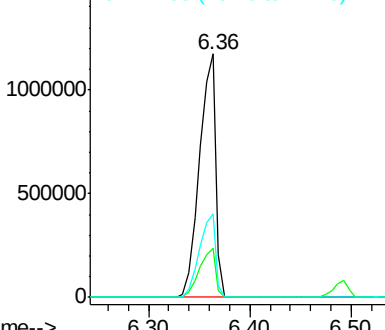


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.622 ng

RT: 6.49 min Scan# 749

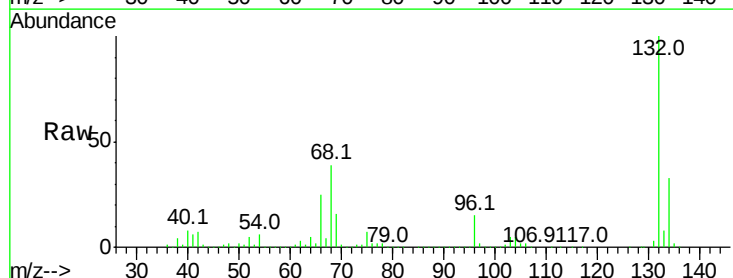
Delta R.T. 0.22 min

Lab File: BF102093.D

Acq: 16 Jan 2018 6:58

Tgt Ion: 77 Resp: 24056

Ion	Ratio	Lower	Upper
77	100		
105	86.9	81.1	121.1
106	79.5	74.5	114.5

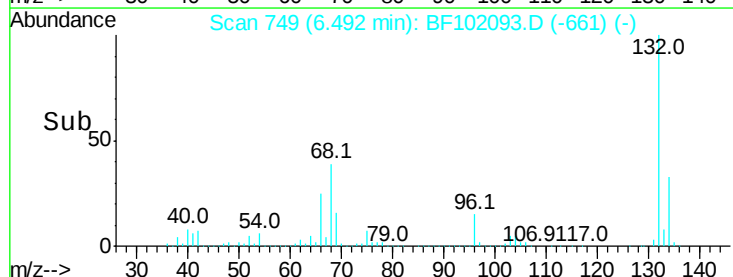
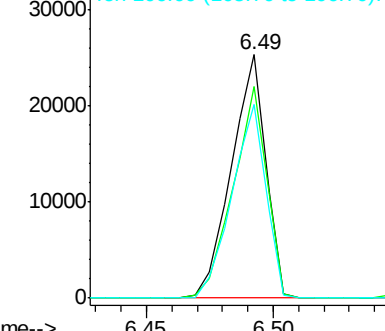


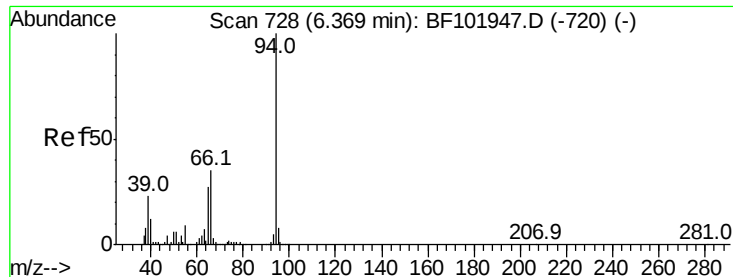
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.612 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102093.D

Acq: 16 Jan 2018 6:58

Instrument :

BNA_F

ClientSampleId :

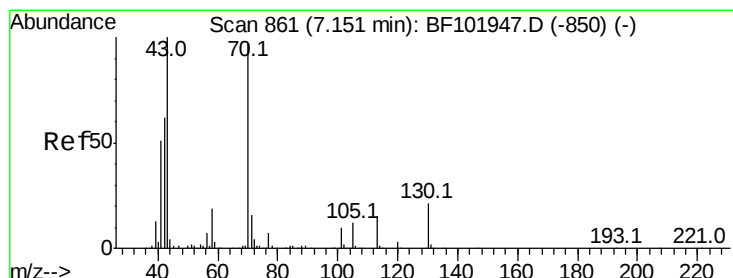
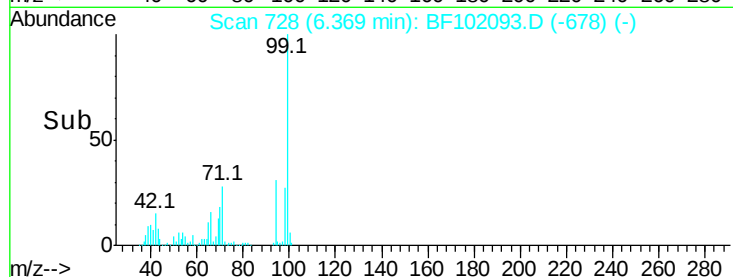
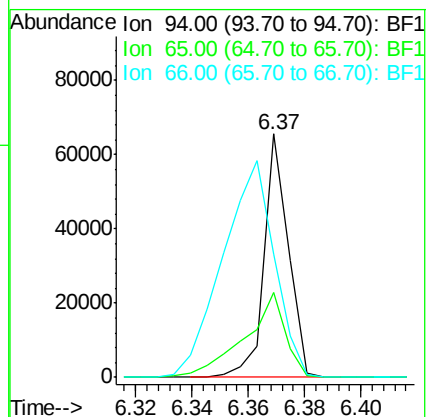
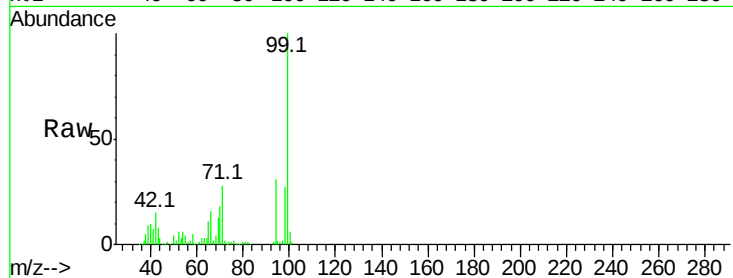
Tot Ion: 94 Resp: 39004

Ion Ratio Lower Upper

94 100

65 34.9 7.9 47.9

66 50.8 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.385 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102093.D

Acq: 16 Jan 2018 6:58

Tgt Ion: 70 Resp: 107225

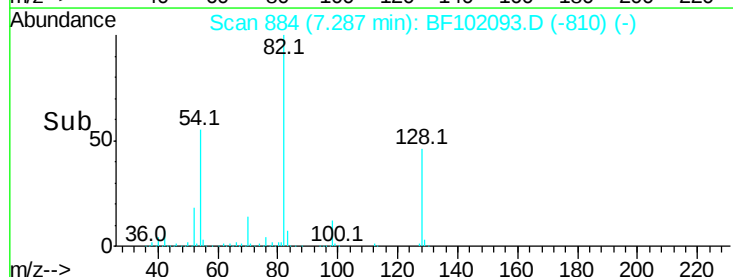
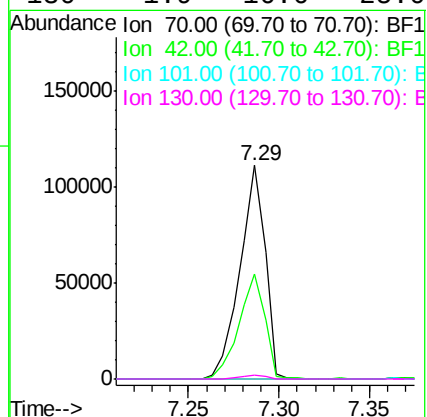
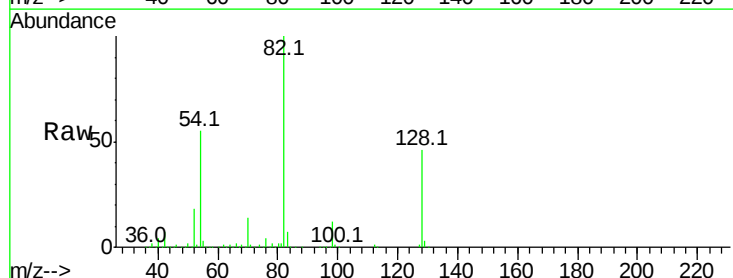
Ion Ratio Lower Upper

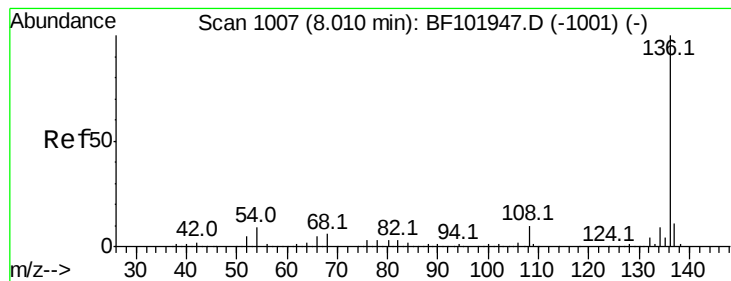
70 100

42 49.4 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF102093.D

Acq: 16 Jan 2018 6:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 586459

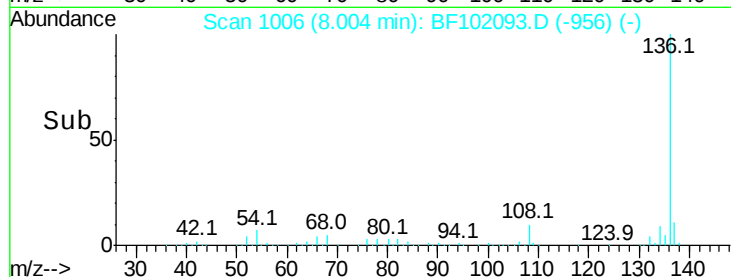
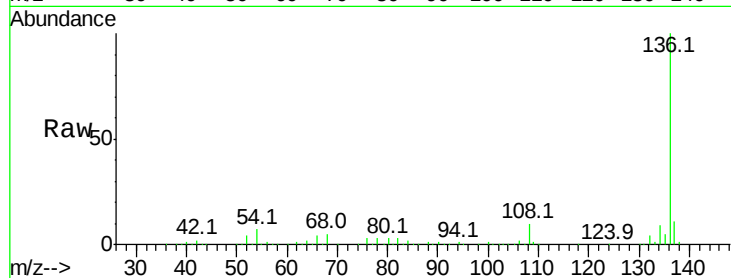
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.0 6.6 9.8

68 4.6 5.0 7.4#

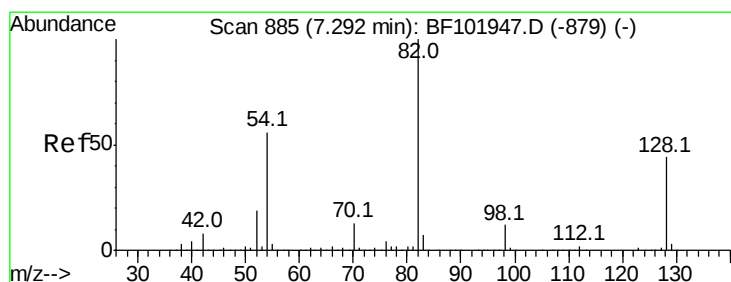
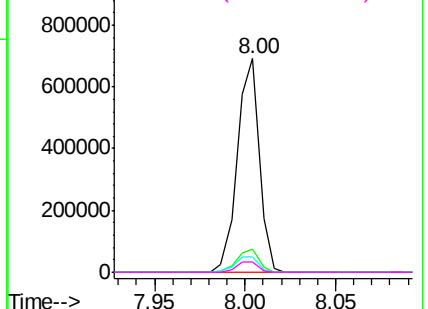


Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 80.411 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF102093.D

Acq: 16 Jan 2018 6:58

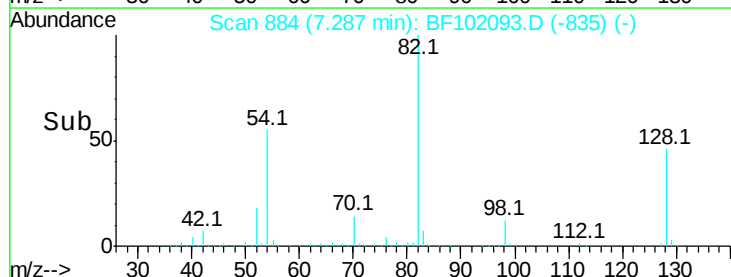
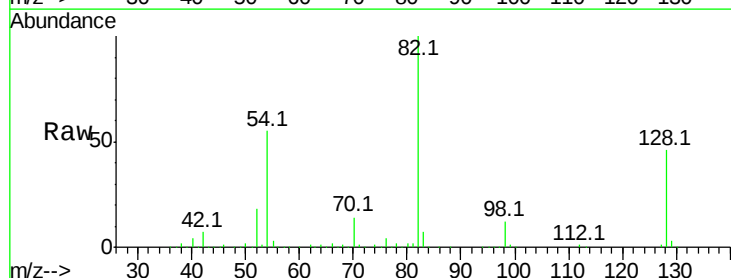
Tgt Ion: 82 Resp: 802490

Ion Ratio Lower Upper

82 100

128 46.1 36.1 54.1

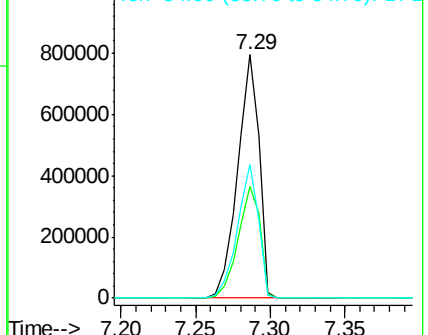
54 55.0 41.4 62.2

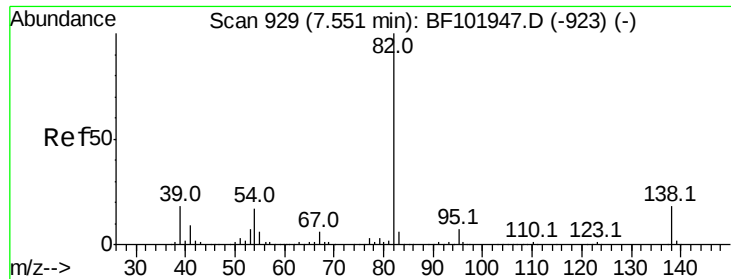


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 40.521 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102093.D

Acq: 16 Jan 2018 6:58

Instrument :

BNA_F

ClientSampleId :

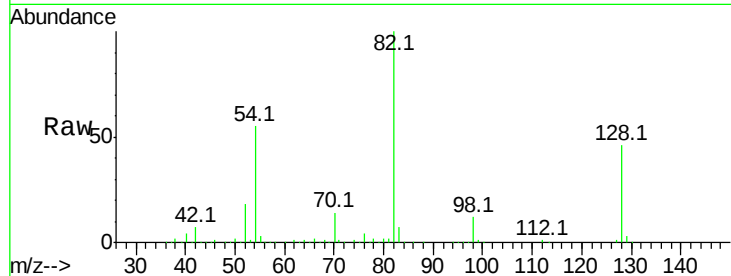
Tot Ion: 82 Resp: 799058

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

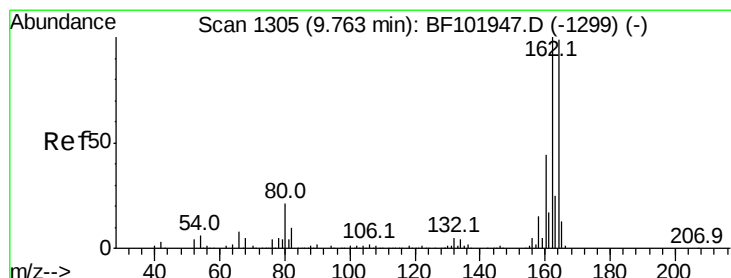
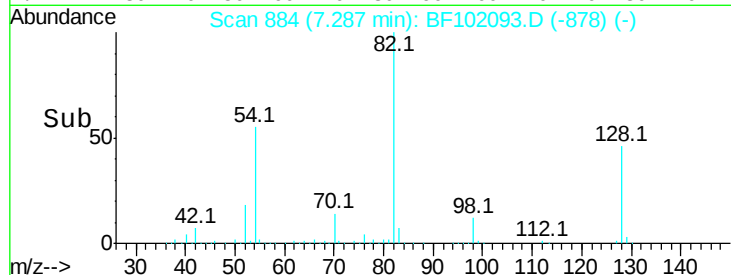
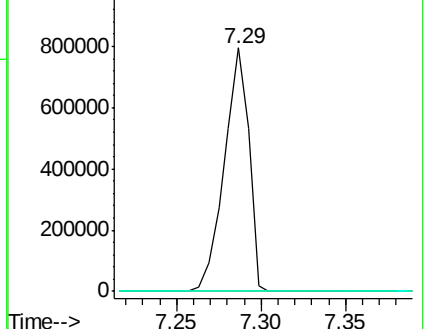
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF102093.D

Acq: 16 Jan 2018 6:58

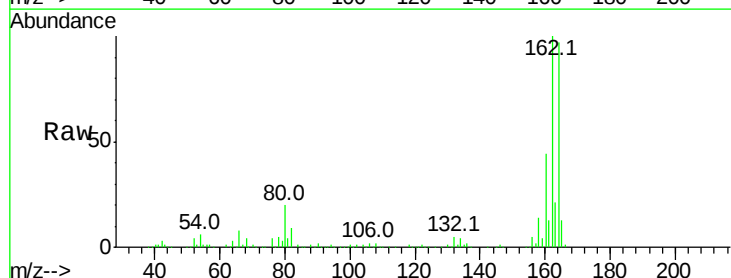
Tgt Ion:164 Resp: 212660

Ion Ratio Lower Upper

164 100

162 103.2 86.1 129.1

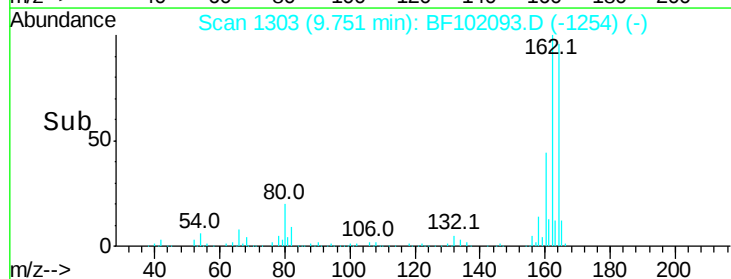
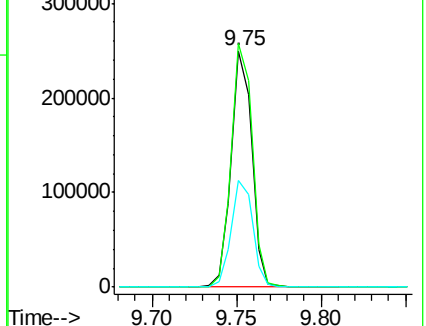
160 45.0 38.3 57.5

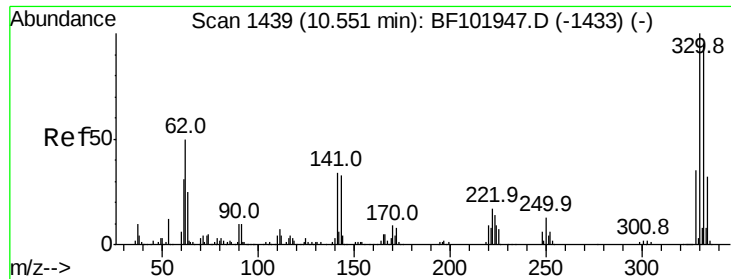


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

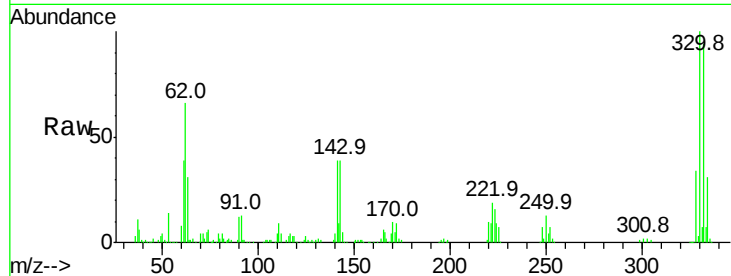




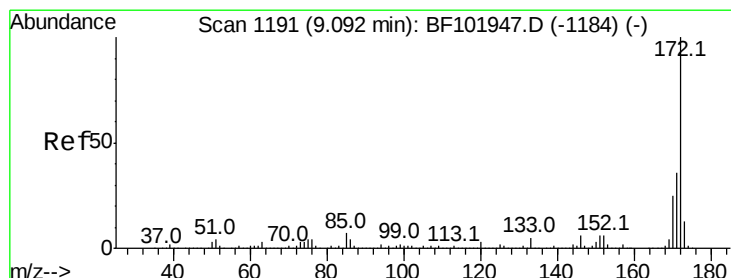
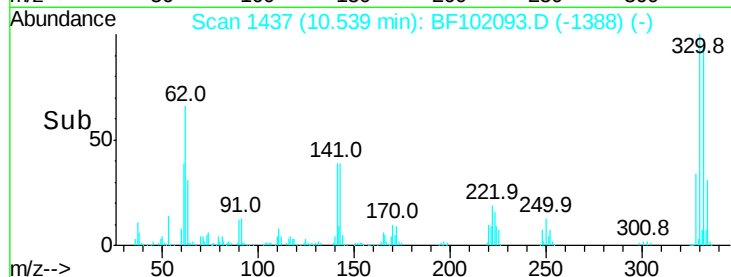
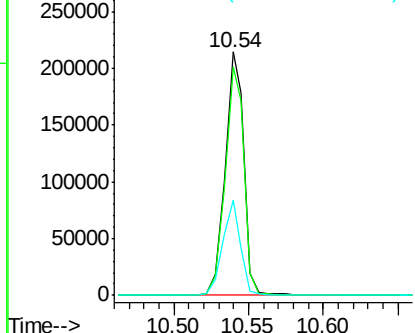
#41
 2,4,6-Tribromophenol
 Concen: 102.893 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102093.D
 Acq: 16 Jan 2018 6:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.2	77.0	115.6
141	37.1	29.9	44.9

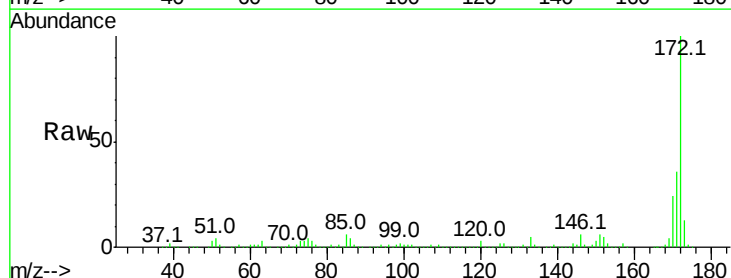


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

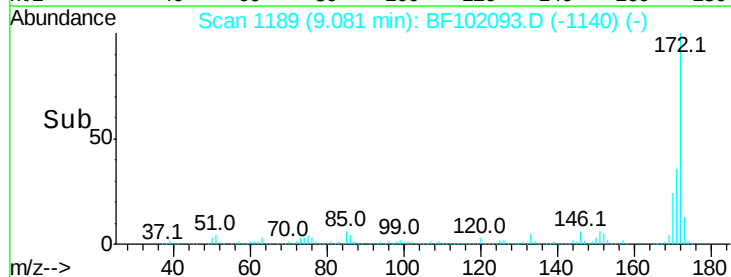
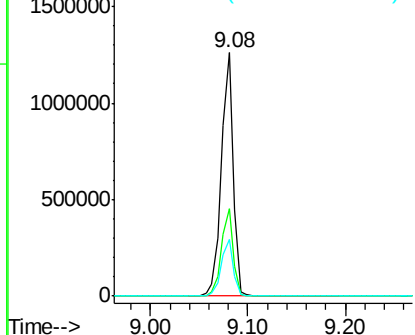


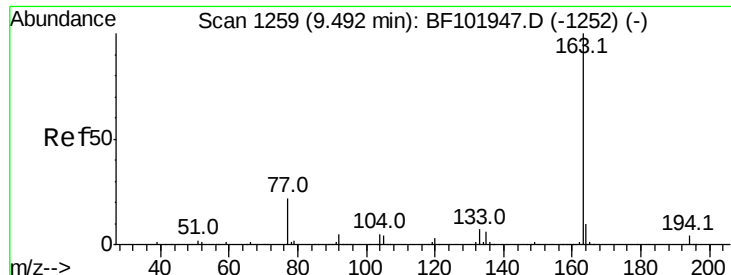
#44
 2-Fluorobiphenyl
 Concen: 78.478 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102093.D
 Acq: 16 Jan 2018 6:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.5	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

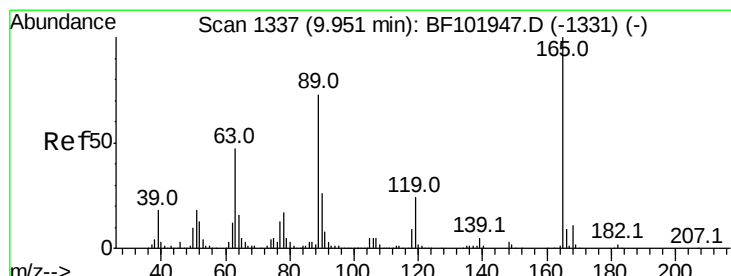
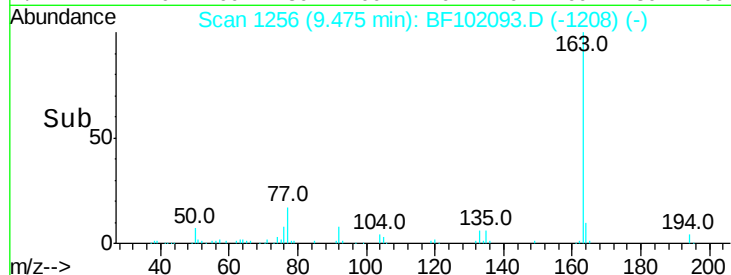
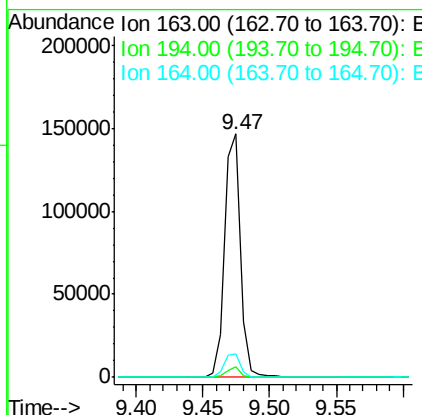
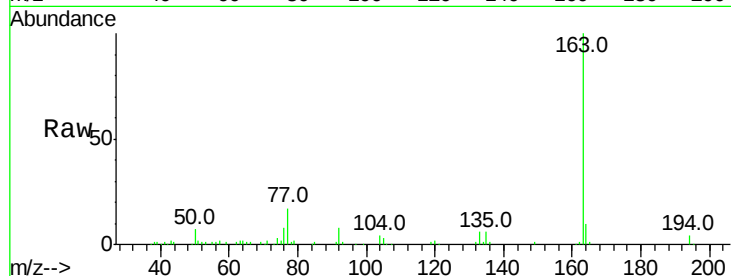




#49
 Dimethylphthalate
 Concen: 7.256 ng
 RT: 9.47 min Scan# 1256
 Delta R.T. -0.02 min
 Lab File: BF102093.D
 Acq: 16 Jan 2018 6:58

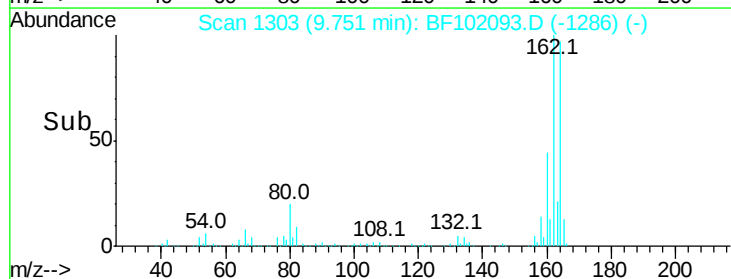
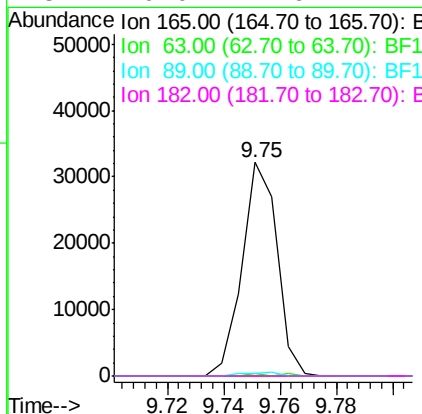
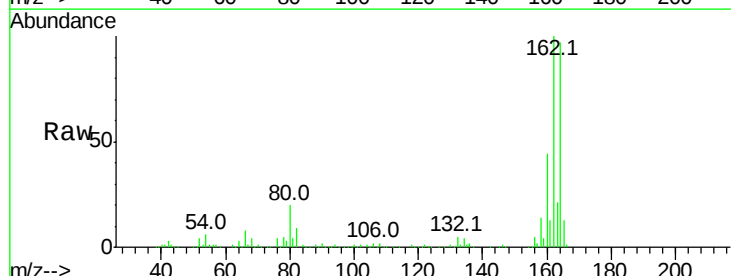
Instrument :
 BNA_F
 ClientSampleId :

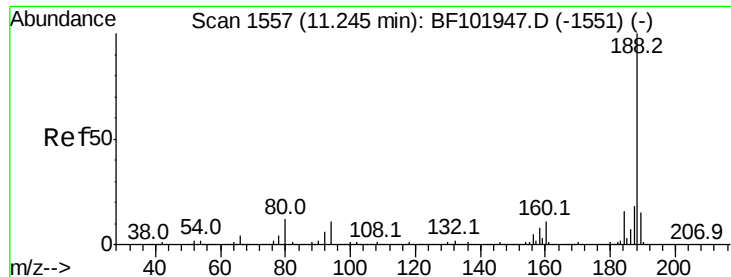
Tot Ion:	163	Resp:	123781
Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.7	4.1#
164	9.6	8.2	12.2



#56
 2,4-Dinitrotoluene
 Concen: 6.467 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.20 min
 Lab File: BF102093.D
 Acq: 16 Jan 2018 6:58

Tgt Ion:	165	Resp:	27623
Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

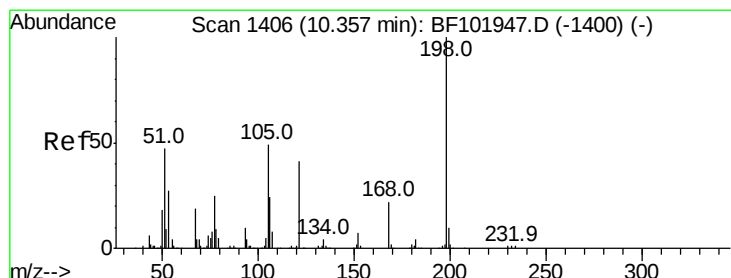
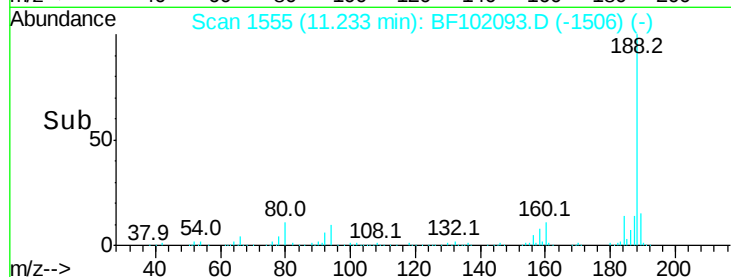
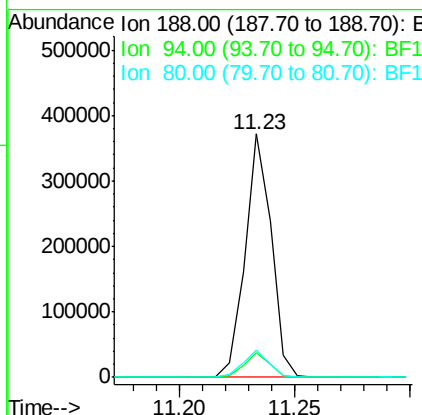
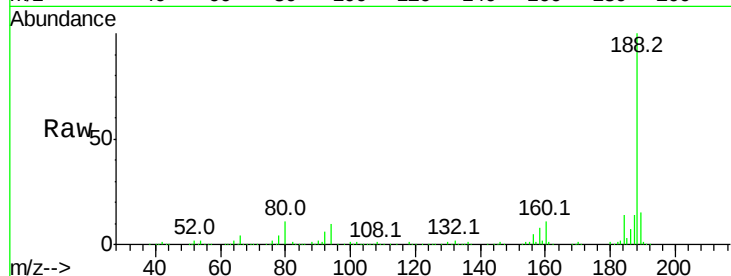




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102093.D
Acq: 16 Jan 2018 6:58

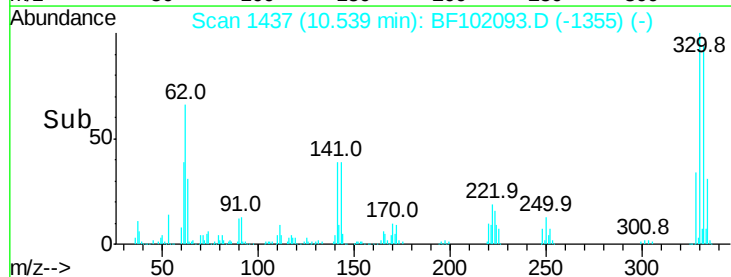
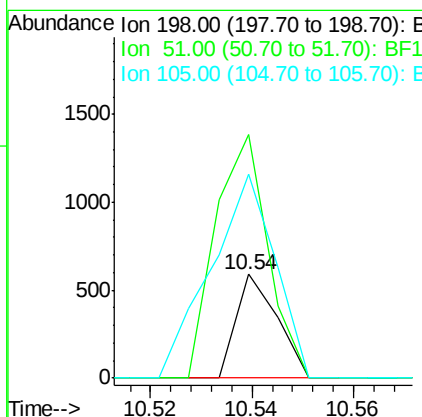
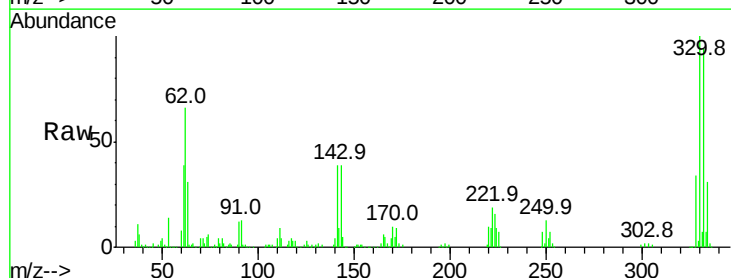
Instrument :
BNA_F
ClientSampled :

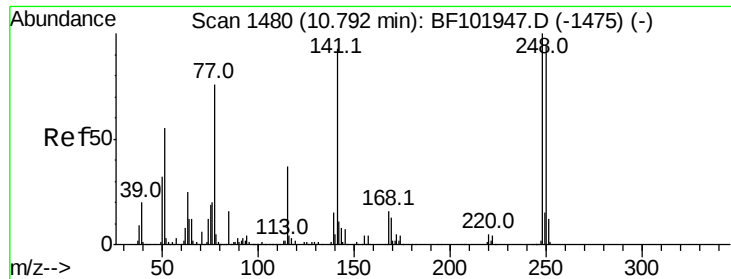
Tot Ion:188 Resp: 294485
Ion Ratio Lower Upper
188 100
94 10.3 8.5 12.7
80 11.0 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.844 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.18 min
Lab File: BF102093.D
Acq: 16 Jan 2018 6:58

Tgt Ion:198 Resp: 330
Ion Ratio Lower Upper
198 100
51 234.7 37.7 77.7#
105 196.3 36.3 76.3#

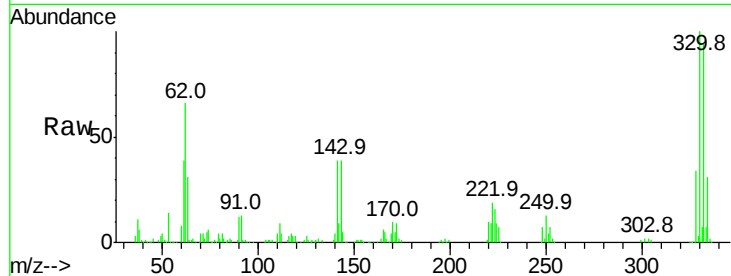




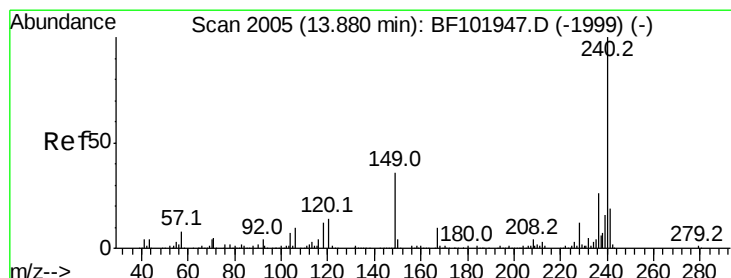
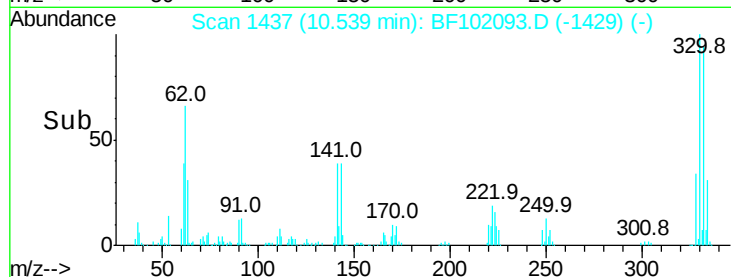
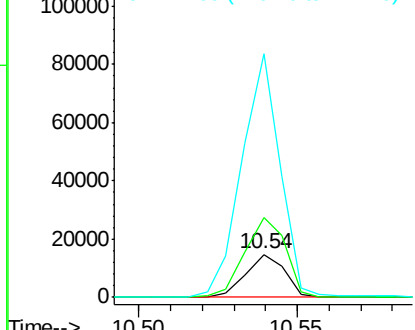
#66
4-Bromophenyl-phenylether
Concen: 4.036 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.25 min
Lab File: BF102093.D
Acq: 16 Jan 2018 6:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 12553
Ion Ratio Lower Upper
248 100
250 186.9 76.9 115.3#
141 568.0 74.4 111.6#

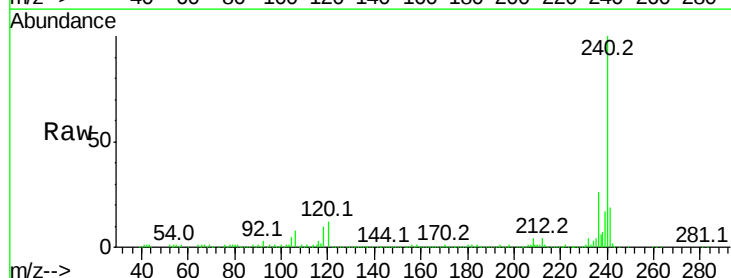


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

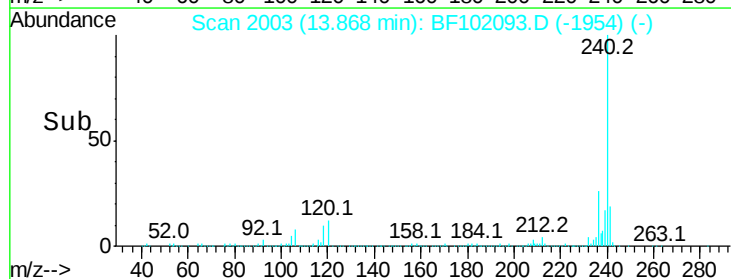
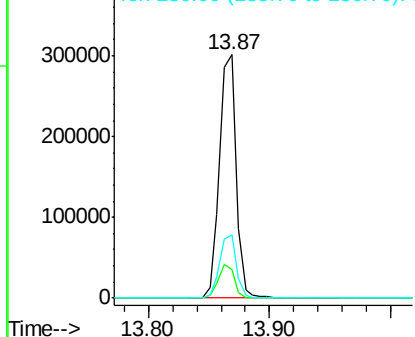


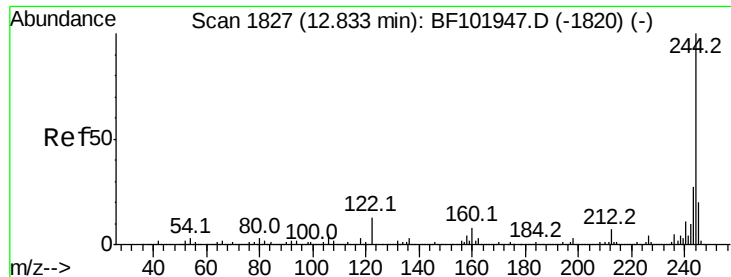
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF102093.D
Acq: 16 Jan 2018 6:58

Tgt Ion:240 Resp: 287193
Ion Ratio Lower Upper
240 100
120 11.7 9.5 14.3
236 26.0 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: 48.869 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102093.D

Acq: 16 Jan 2018 6:58

Instrument :

BNA_F

ClientSampleId :

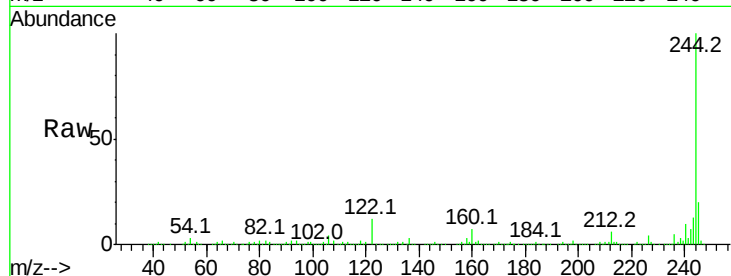
Tot Ion:244 Resp: 675963

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

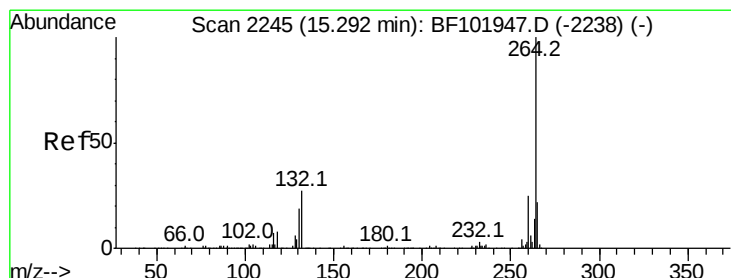
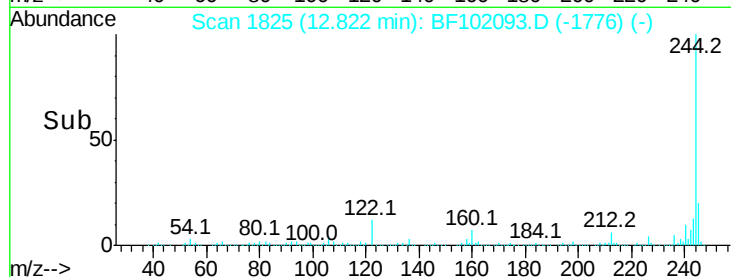
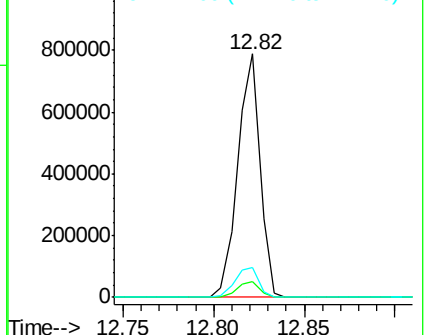
122 12.2 11.0 16.4



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: 15.28 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BF102093.D

Acq: 16 Jan 2018 6:58

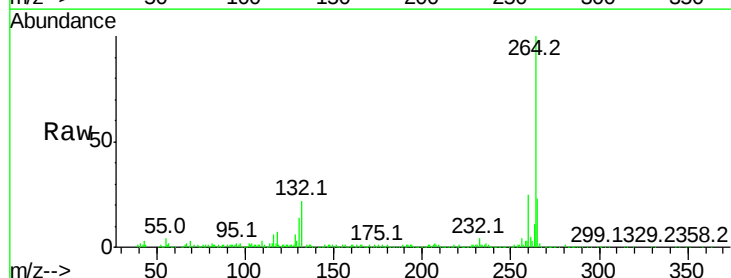
Tgt Ion:264 Resp: 224653

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

265 23.0 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

