

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
 Data File : BF098604.D
 Acq On : 18 Sep 2017 16:09
 Operator : SJ/JU
 Sample : PB102381BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 05:34:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 18 13:37:24 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	124533	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	540000	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	276187	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	555467	20.00	ng	0.00
75) Chrysene-d12	13.78	240	392787	20.00	ng	0.00
86) Perylene-d12	15.17	264	277355	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.25	112	906916	107.67	ng	0.01
7) Phenol-d6	6.29	99	1135693	106.20	ng	0.00
23) Nitrobenzene-d5	7.21	82	1037700	107.13	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	294091	159.54	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	1980187	121.52	ng	0.00
78) Terphenyl-d14	12.74	244	2089303	114.81	ng	0.00

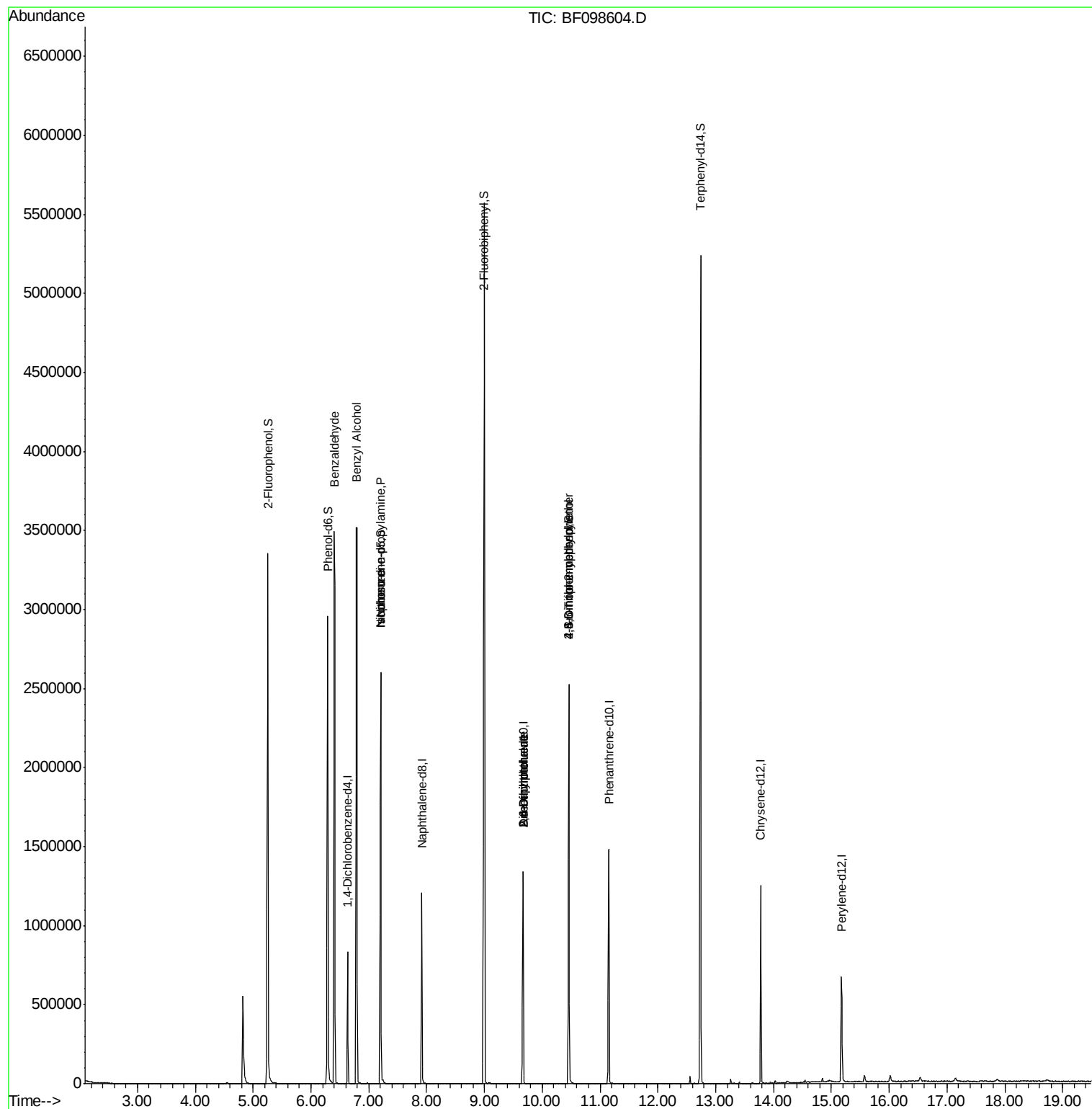
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.40	77	22081	3.159	ng	82
15) Benzyl Alcohol	6.79	79	17710	2.488	ng	# 43
19) n-Nitroso-di-n-propylamine	7.21	70	143386	21.316	ng	# 78
25) Isophorone	7.21	82	1037690	52.950	ng	# 67
49) Dimethylphthalate	9.67	163	81377	3.806	ng	# 1
50) 2,6-Dinitrotoluene	9.66	165	35229	8.022	ng	# 34
56) 2,4-Dinitrotoluene	9.66	165	35229	6.598	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.46	198	517	5.100	ng	# 1
66) 4-Bromophenyl-phenylether	10.46	248	22282	4.227	ng	# 1

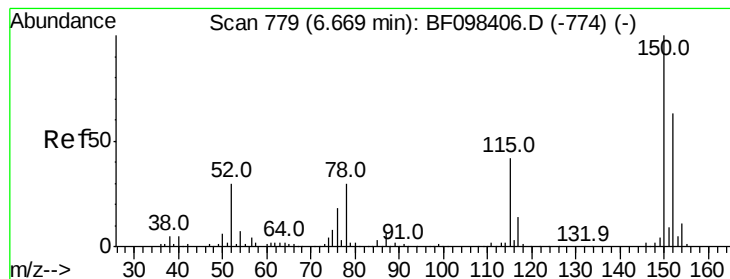
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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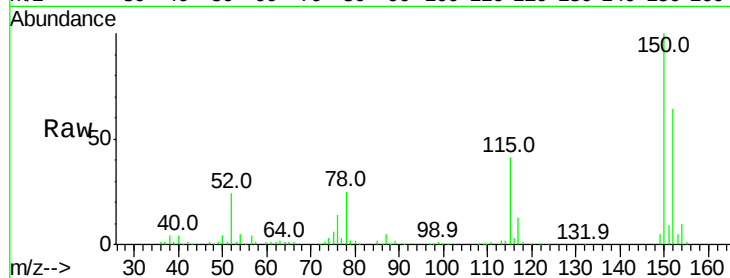


#1

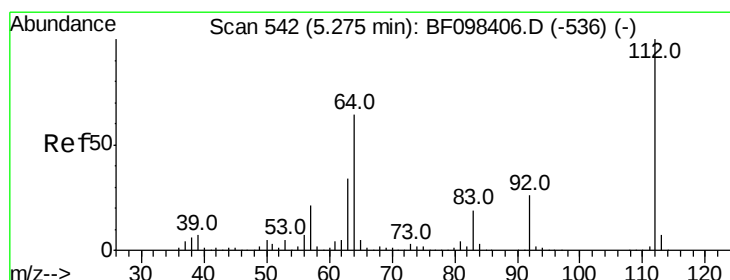
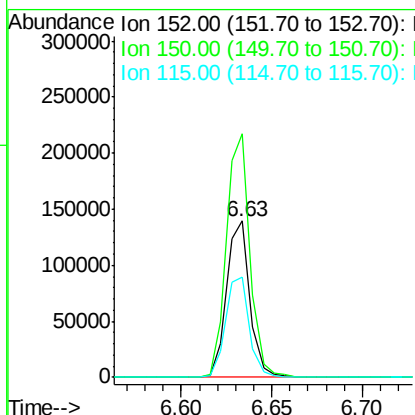
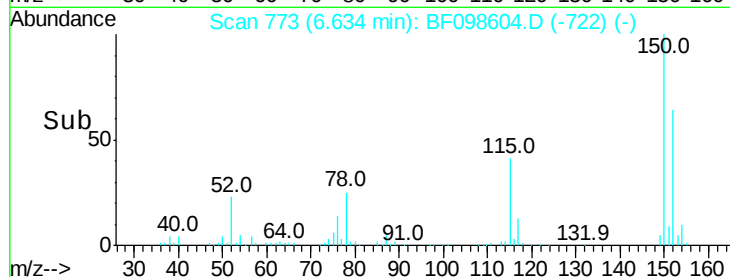
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.00 min
Lab File: BF098604.D
Acq: 18 Sep 2017 16:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	126.2	189.2
115	64.5	52.2	78.2



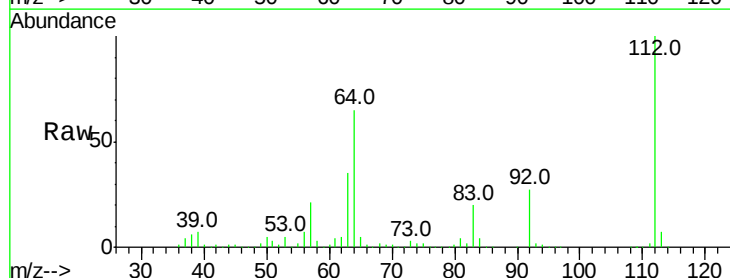
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



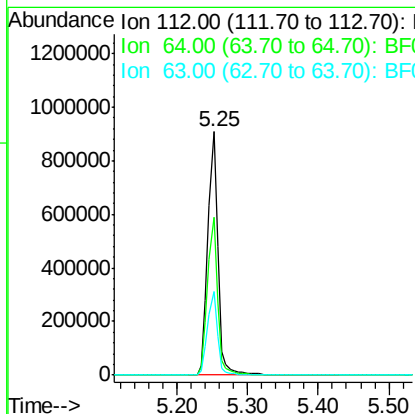
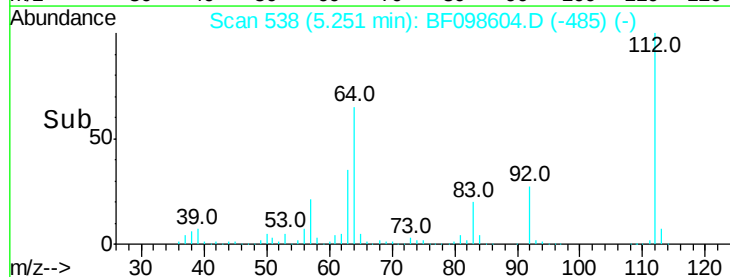
#5

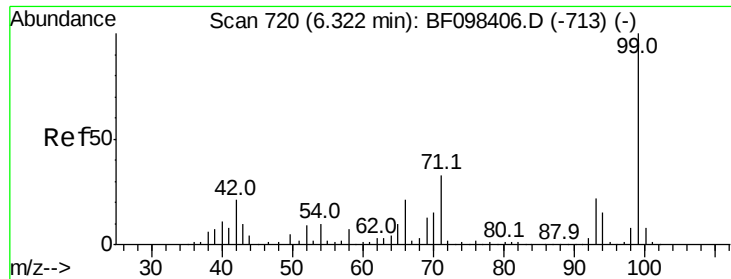
2-Fluorophenol
Concen: 107.674 ng
RT: 5.25 min Scan# 538
Delta R.T. 0.01 min
Lab File: BF098604.D
Acq: 18 Sep 2017 16:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	46.0	69.0
63	34.6	23.4	35.0



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: 106.198 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.00 min

Lab File: BF098604.D

Acq: 18 Sep 2017 16:09

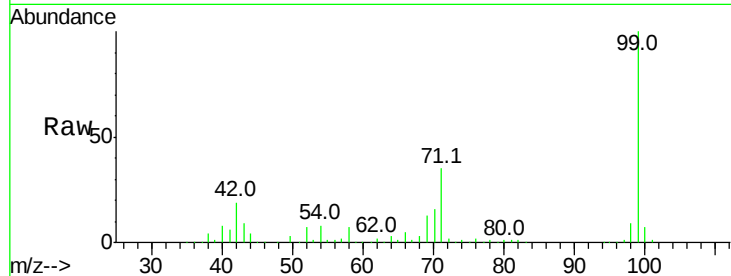
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1135693

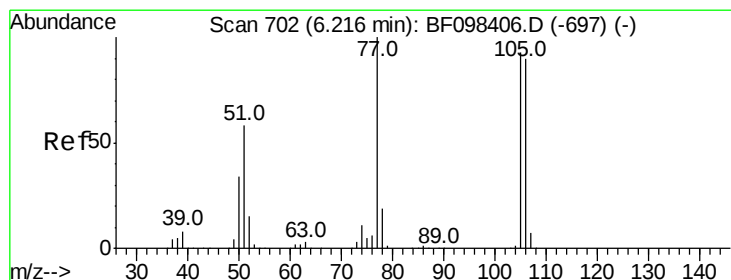
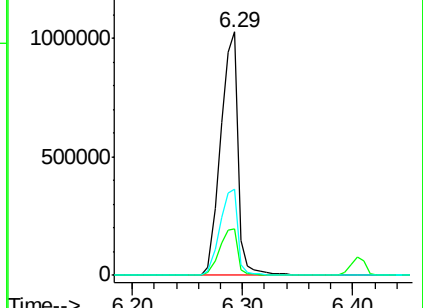
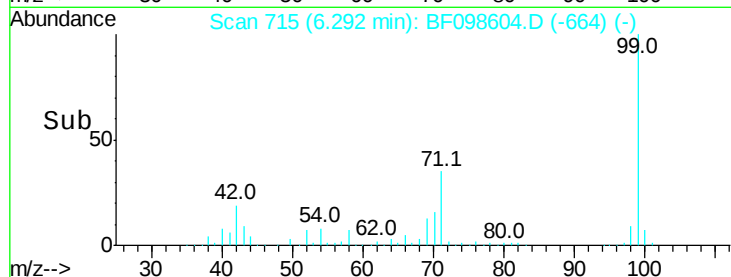
Ion	Ratio	Lower	Upper
99	100		
42	19.1	13.5	20.3
71	35.3	24.5	36.7



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: 3.159 ng

RT: 6.40 min Scan# 734

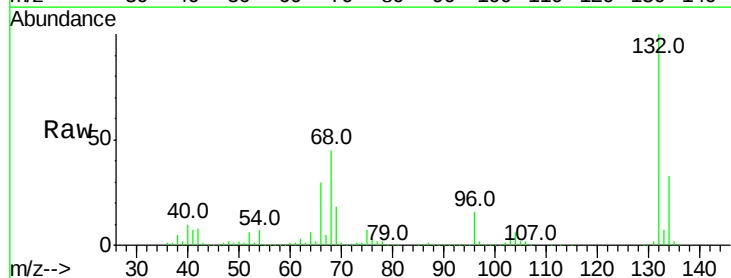
Delta R.T. 0.22 min

Lab File: BF098604.D

Acq: 18 Sep 2017 16:09

Tgt Ion: 77 Resp: 22081

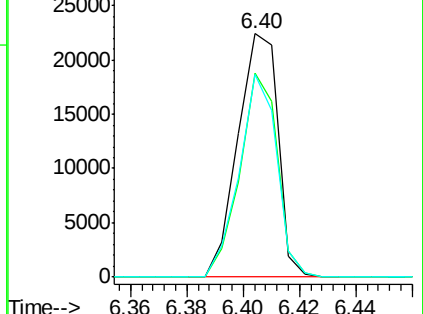
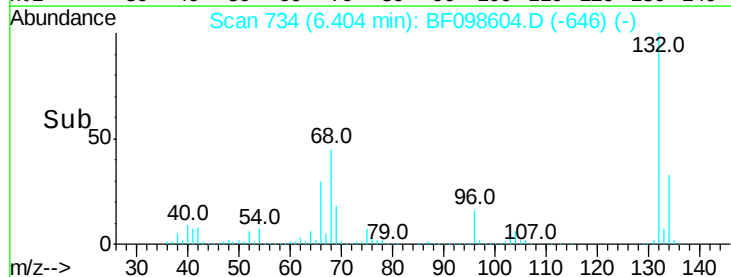
Ion	Ratio	Lower	Upper
77	100		
105	83.9	83.8	123.8
106	83.1	79.1	119.1

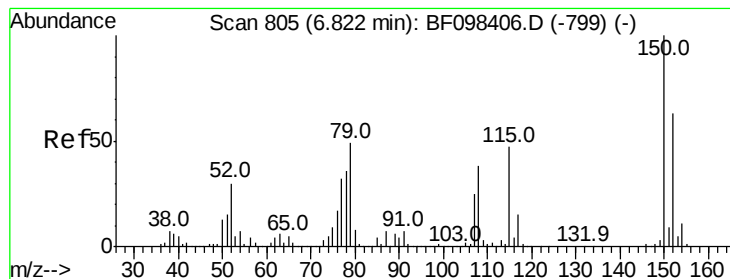


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#15

Benzyl Alcohol

Concen: 2.488 ng

RT: 6.79 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF098604.D

Acq: 18 Sep 2017 16:09

Instrument :

BNA_F

ClientSampleId :

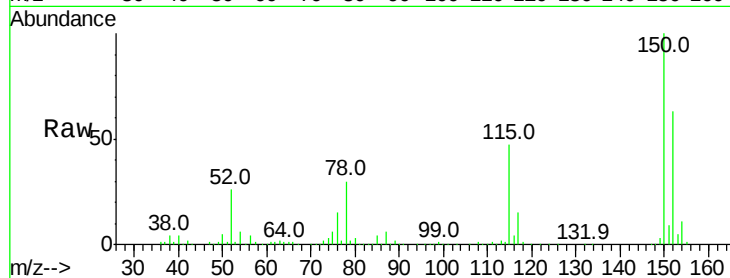
Tot Ion: 79 Resp: 17710

Ion Ratio Lower Upper

79 100

108 32.0 63.4 95.0#

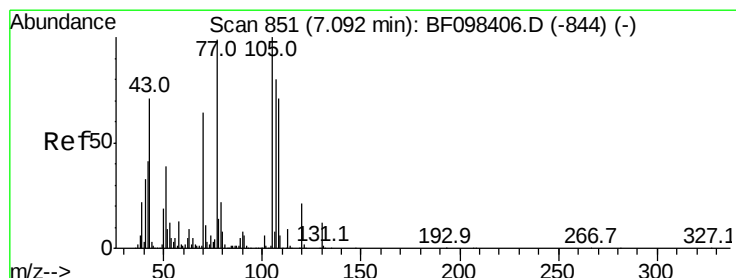
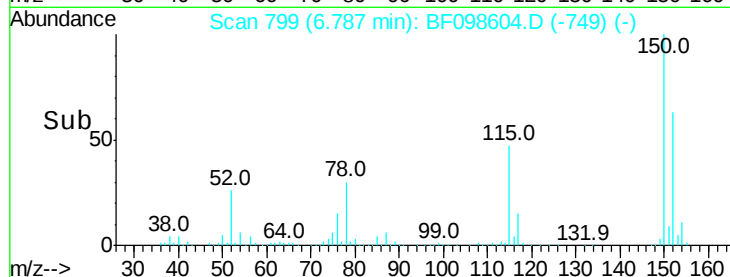
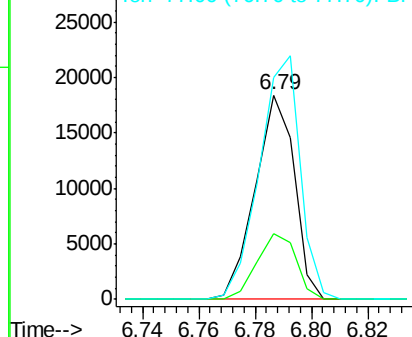
77 108.6 49.2 73.8#



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: 21.316 ng

RT: 7.21 min Scan# 871

Delta R.T. 0.15 min

Lab File: BF098604.D

Acq: 18 Sep 2017 16:09

Tgt Ion: 70 Resp: 143386

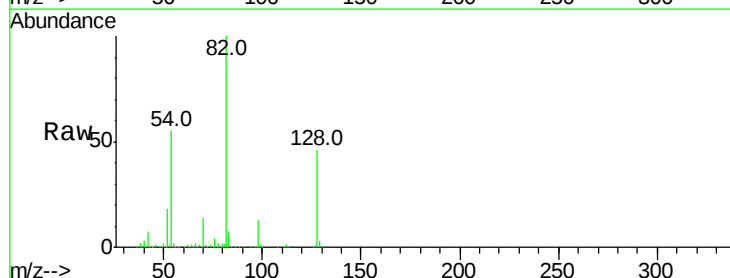
Ion Ratio Lower Upper

70 100

42 47.5 47.2 70.8

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#

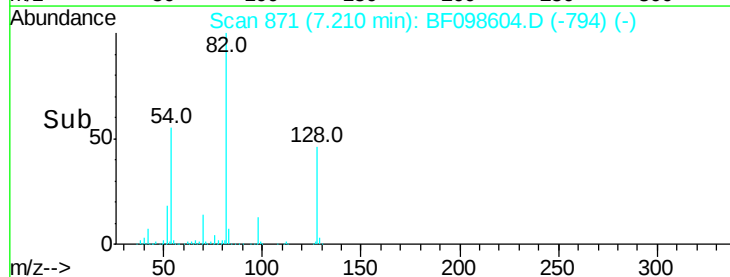
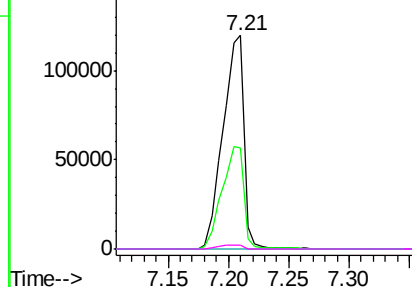


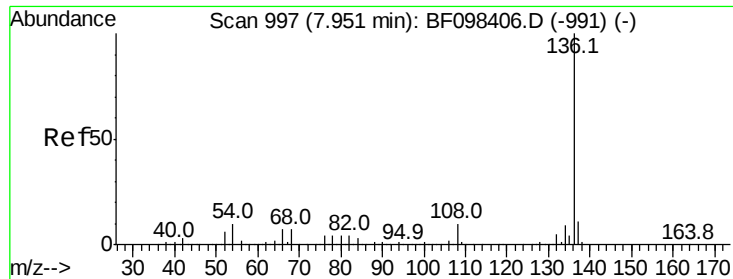
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 20.000 ng

RT: 7.92 min Scan# 991

Delta R.T. -0.01 min

Lab File: BF098604.D

Acq: 18 Sep 2017 16:09

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 540000

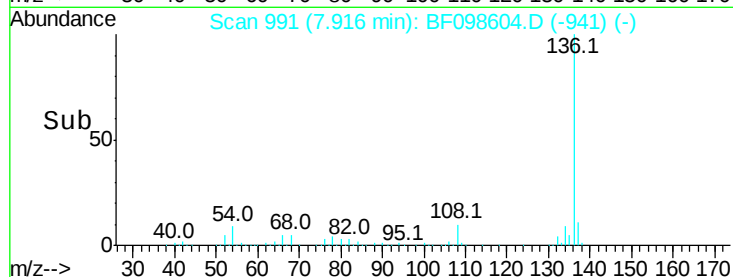
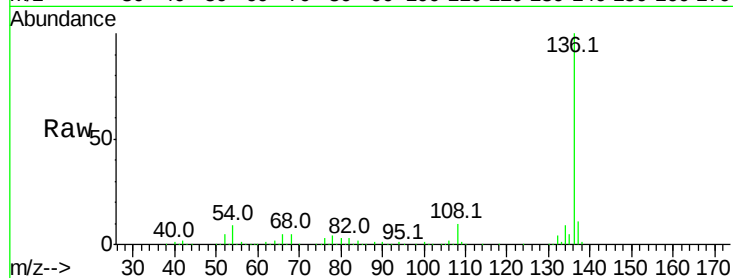
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 9.1 4.9 7.3#

68 4.8 4.1 6.1

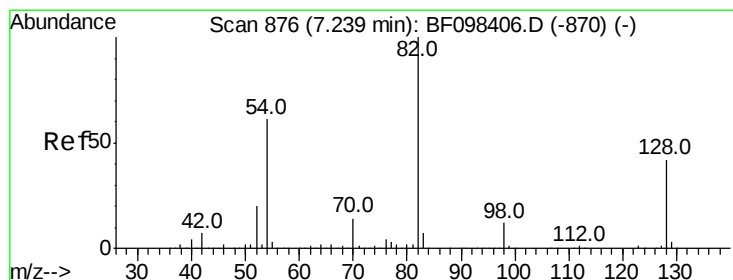
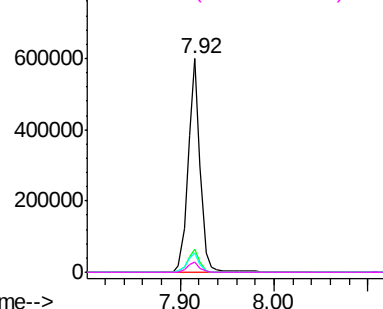


Abundance Ion 136.00 (135.70 to 136.70): E

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: 107.132 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.00 min

Lab File: BF098604.D

Acq: 18 Sep 2017 16:09

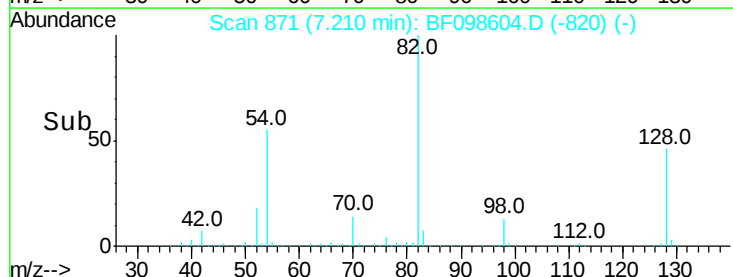
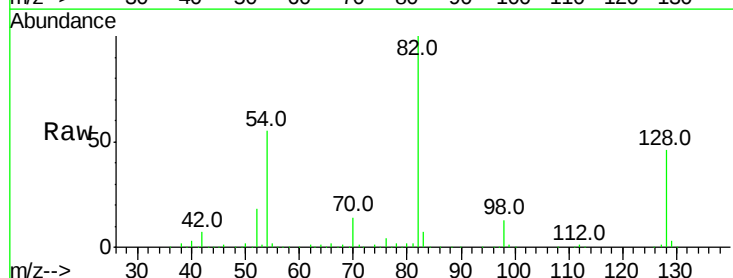
Tgt Ion: 82 Resp: 1037700

Ion Ratio Lower Upper

82 100

128 46.2 34.0 51.0

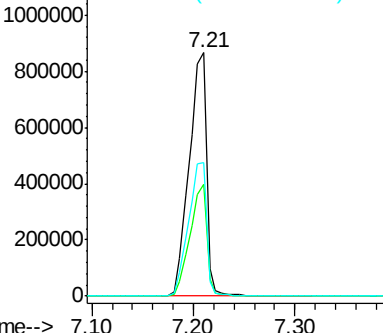
54 54.7 42.2 63.2

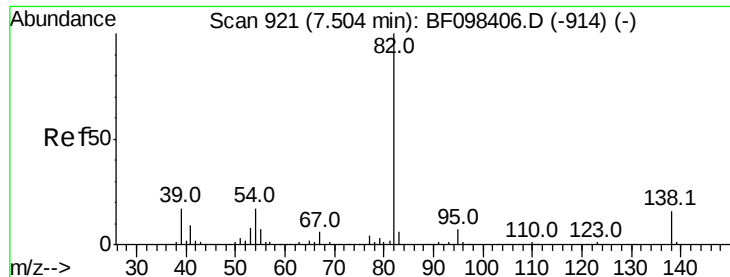


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 52.950 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.26 min

Lab File: BF098604.D

Acq: 18 Sep 2017 16:09

Instrument :

BNA_F

ClientSampleId :

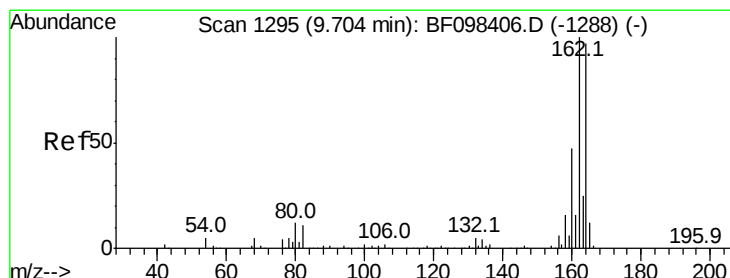
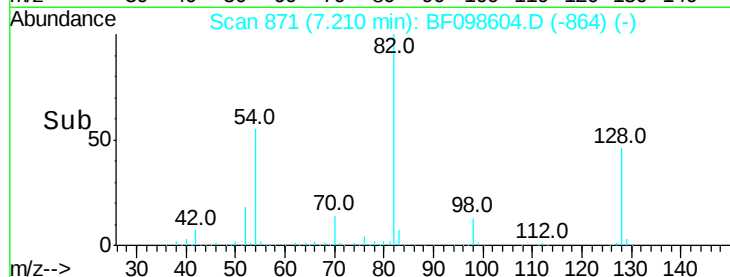
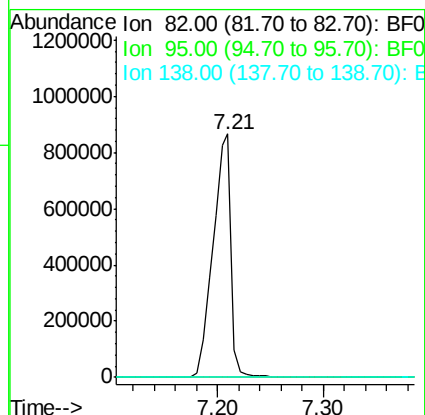
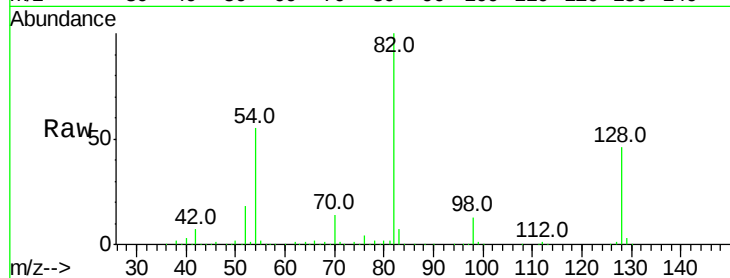
Tot Ion: 82 Resp: 1037690

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.67 min Scan# 1289

Delta R.T. -0.00 min

Lab File: BF098604.D

Acq: 18 Sep 2017 16:09

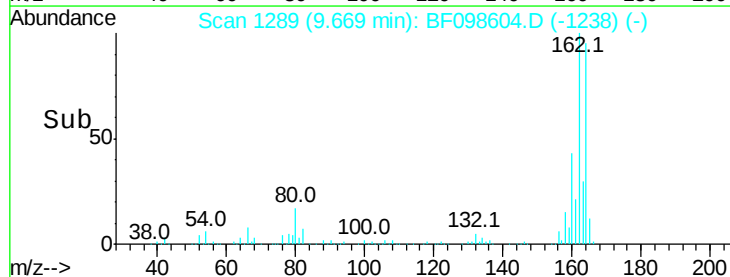
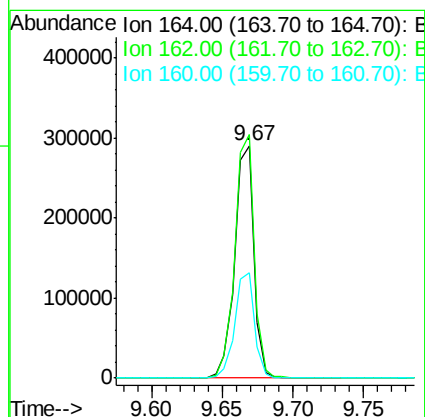
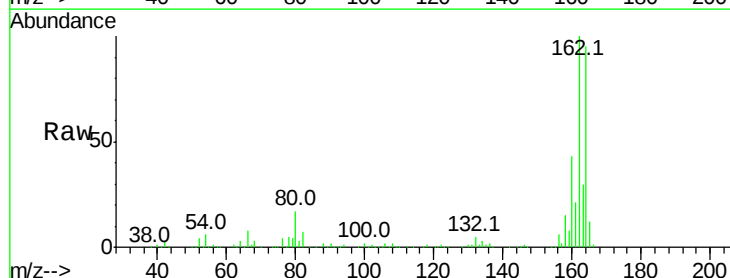
Tgt Ion:164 Resp: 276187

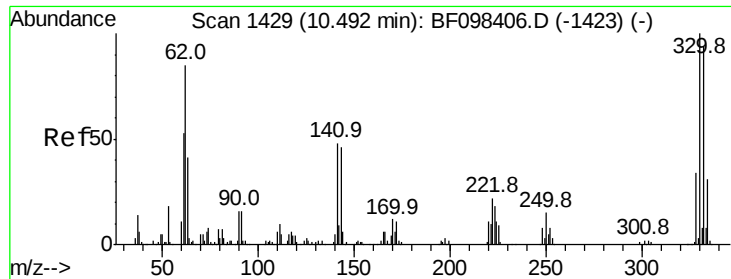
Ion Ratio Lower Upper

164 100

162 104.9 82.6 123.8

160 45.6 36.2 54.2

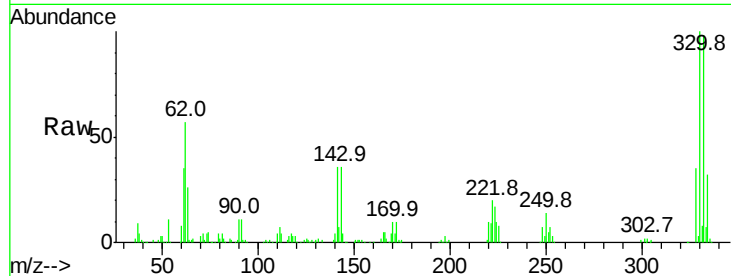




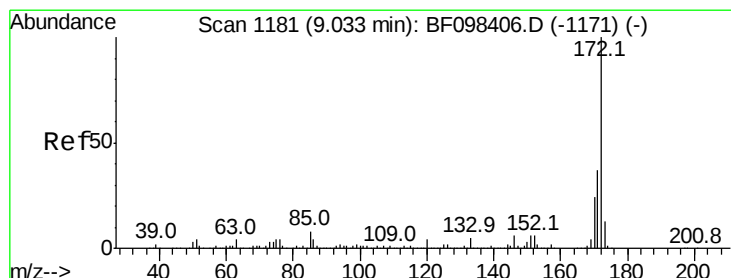
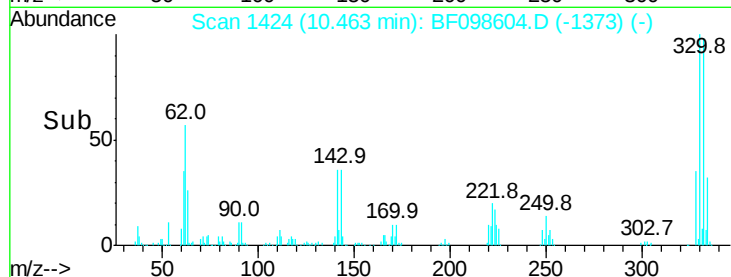
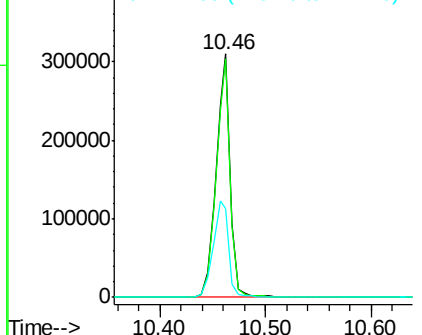
#41
 2,4,6-Tribromophenol
 Concen: 159.544 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.00 min
 Lab File: BF098604.D
 Acq: 18 Sep 2017 16:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 294091
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.6 115.0
 141 43.6 31.4 47.2

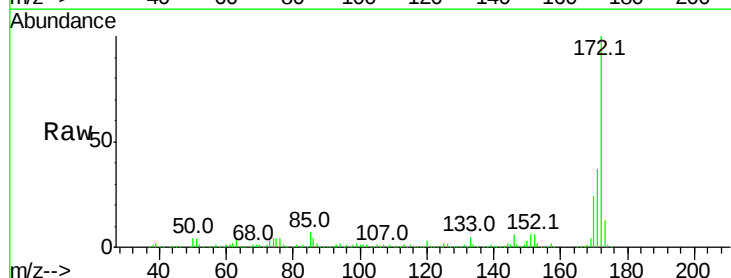


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

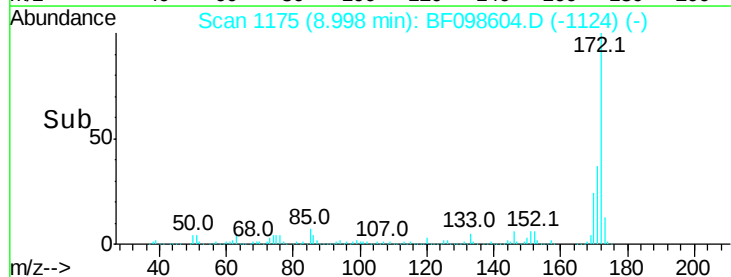
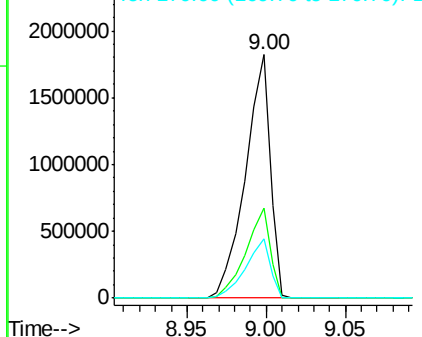


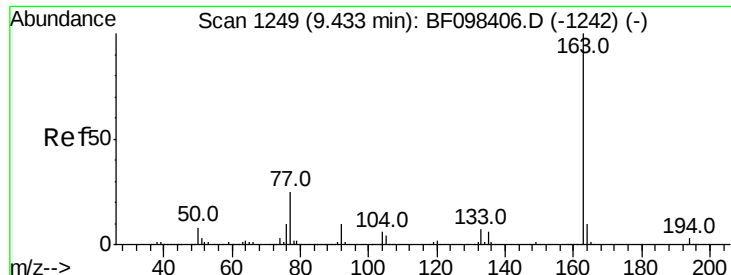
#44
 2-Fluorobiphenyl
 Concen: 121.521 ng
 RT: 9.00 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: BF098604.D
 Acq: 18 Sep 2017 16:09

Tgt Ion:172 Resp: 1980187
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.6 44.4
 170 24.2 19.8 29.8



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

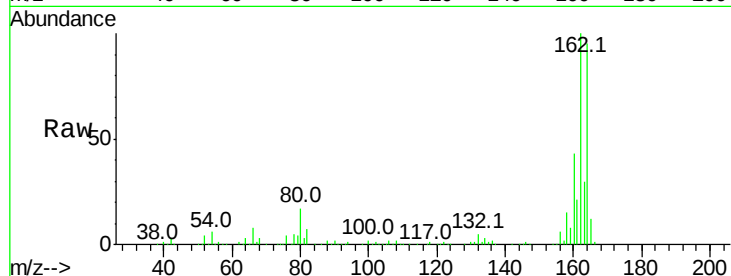




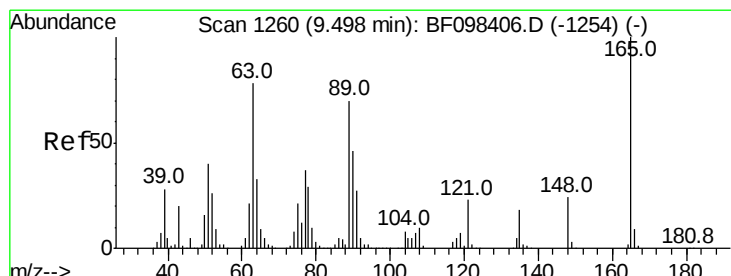
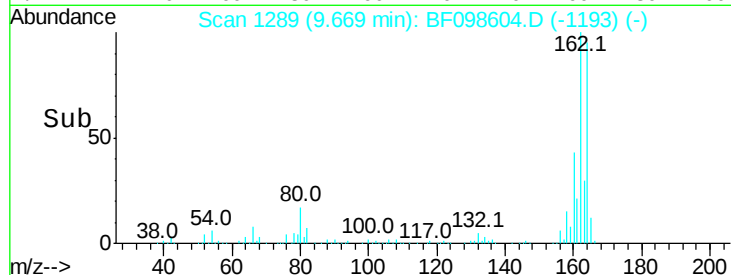
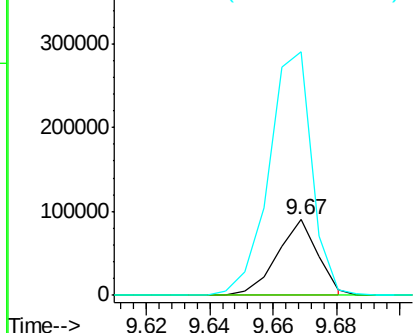
#49
Dimethylphthalate
Concen: 3.806 ng
RT: 9.67 min Scan# 1289
Delta R.T. 0.26 min
Lab File: BF098604.D
Acq: 18 Sep 2017 16:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 81377
Ion Ratio Lower Upper
163 100
194 0.0 2.6 4.0#
164 320.9 8.4 12.6#

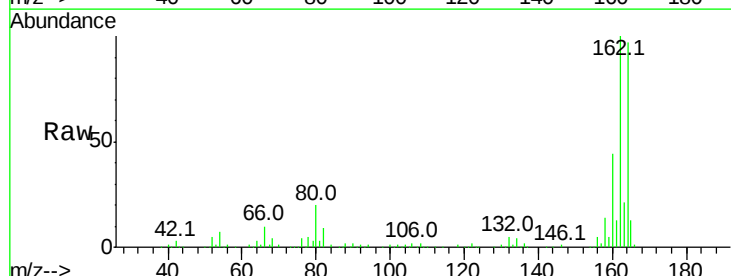


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

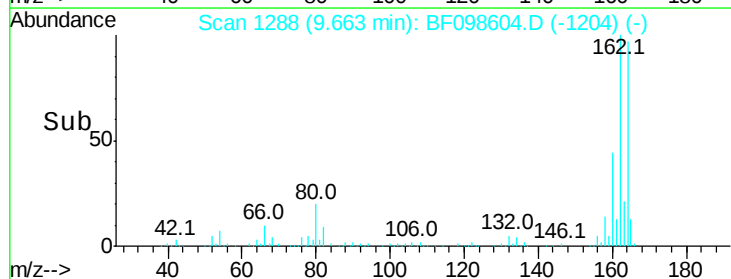
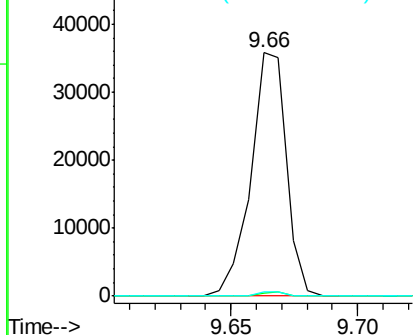


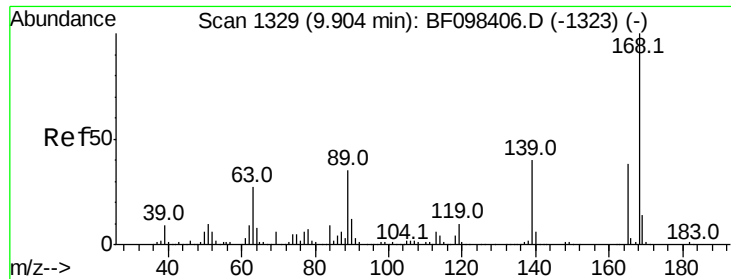
#50
2,6-Dinitrotoluene
Concen: 8.022 ng
RT: 9.66 min Scan# 1288
Delta R.T. 0.19 min
Lab File: BF098604.D
Acq: 18 Sep 2017 16:09

Tgt Ion:165 Resp: 35229
Ion Ratio Lower Upper
165 100
63 1.3 34.3 51.5#
89 1.6 37.1 55.7#



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

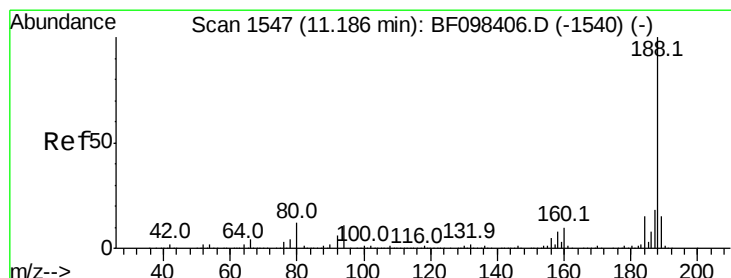
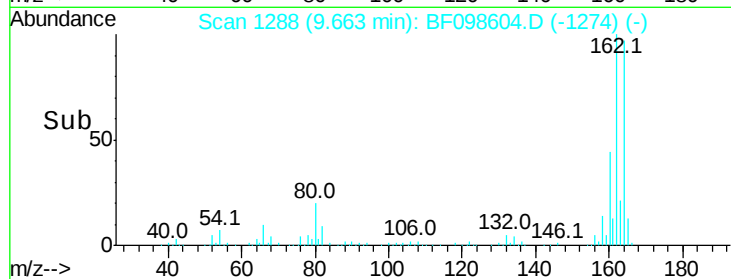
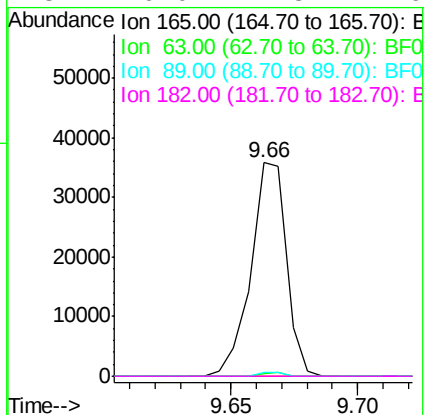
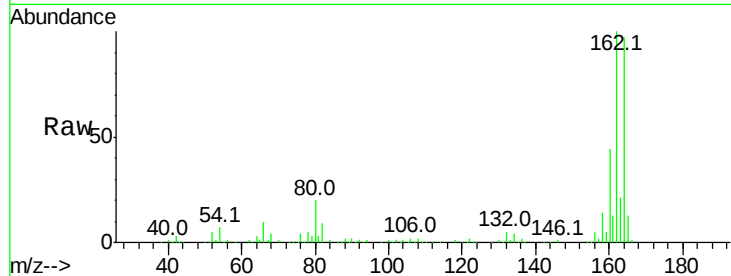




#56
 2,4-Dinitrotoluene
 Concen: 6.598 ng
 RT: 9.66 min Scan# 1288
 Delta R.T. -0.22 min
 Lab File: BF098604.D
 Acq: 18 Sep 2017 16:09

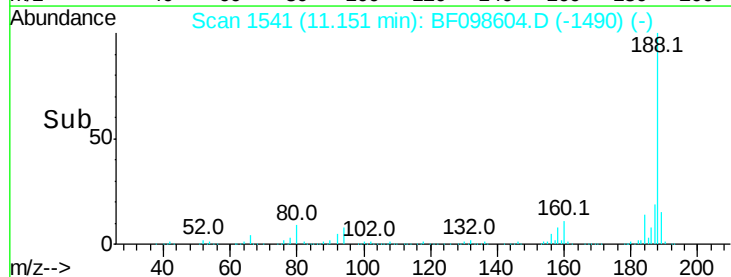
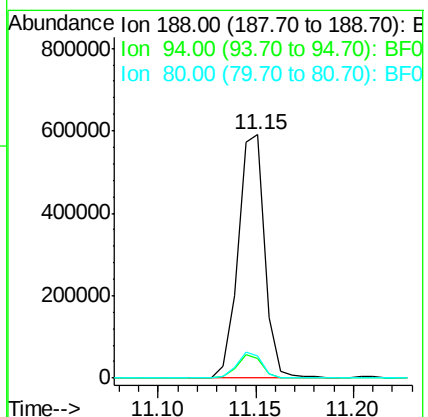
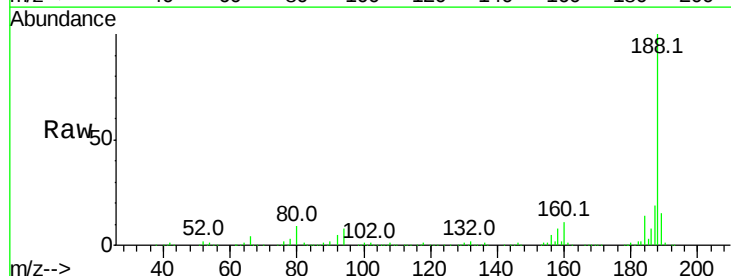
Instrument :
 BNA_F
 ClientSampled :

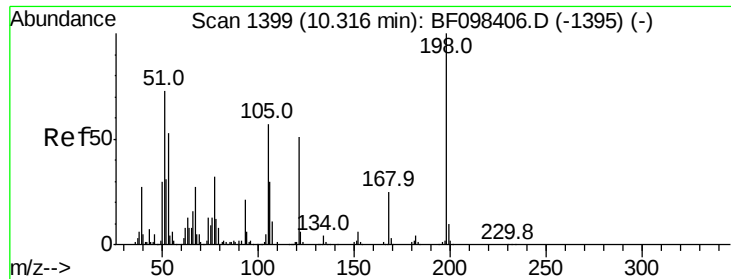
Tot Ion:165 Resp: 35229
 Ion Ratio Lower Upper
 165 100
 63 1.3 25.4 38.0#
 89 1.6 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.15 min Scan# 1541
 Delta R.T. -0.00 min
 Lab File: BF098604.D
 Acq: 18 Sep 2017 16:09

Tgt Ion:188 Resp: 555467
 Ion Ratio Lower Upper
 188 100
 94 7.9 9.4 14.2#
 80 8.9 10.2 15.2#

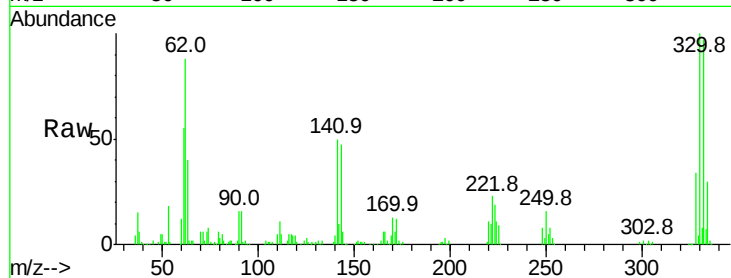




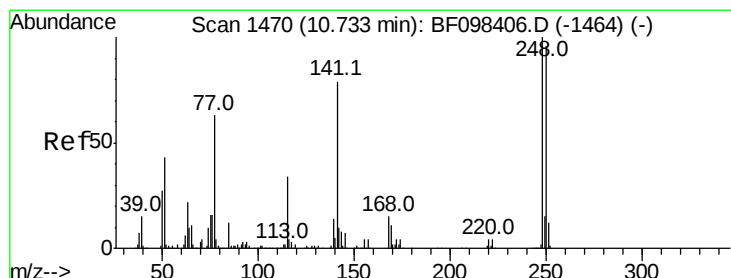
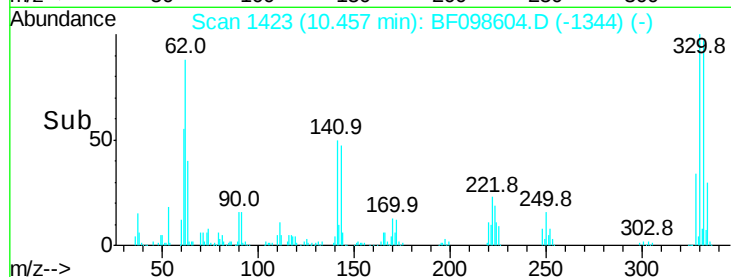
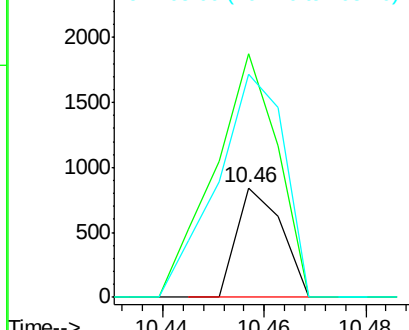
#64
4,6-Dinitro-2-methylphenol
Concen: 5.100 ng
RT: 10.46 min Scan# 1423
Delta R.T. 0.16 min
Lab File: BF098604.D
Acq: 18 Sep 2017 16:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 517
Ion Ratio Lower Upper
198 100
51 222.9 53.2 93.2#
105 203.9 45.8 85.8#

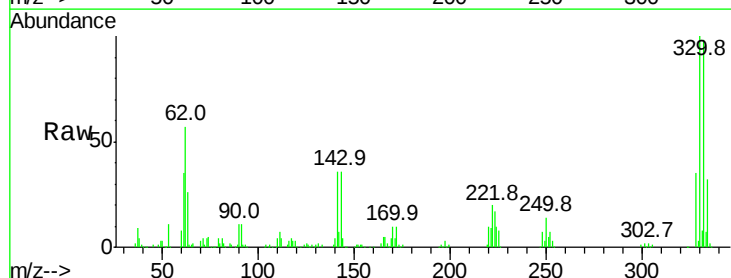


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

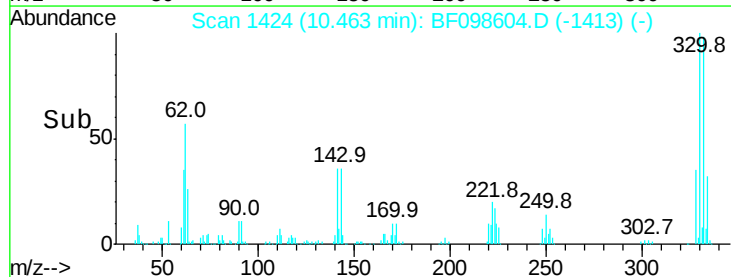
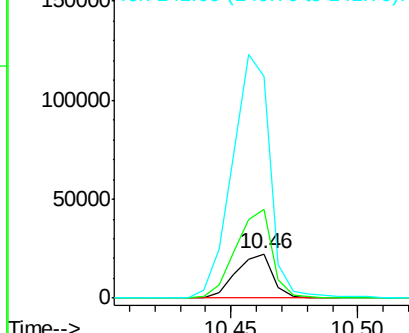


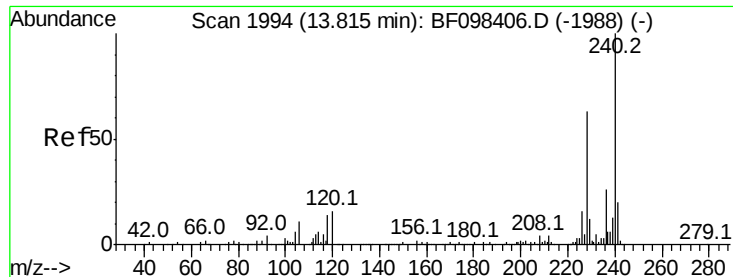
#66
4-Bromophenyl-phenylether
Concen: 4.227 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.24 min
Lab File: BF098604.D
Acq: 18 Sep 2017 16:09

Tgt Ion:248 Resp: 22282
Ion Ratio Lower Upper
248 100
250 199.6 76.8 115.2#
141 500.9 68.6 103.0#



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: 13.78 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BF098604.D

Acq: 18 Sep 2017 16:09

Instrument :

BNA_F

ClientSampleId :

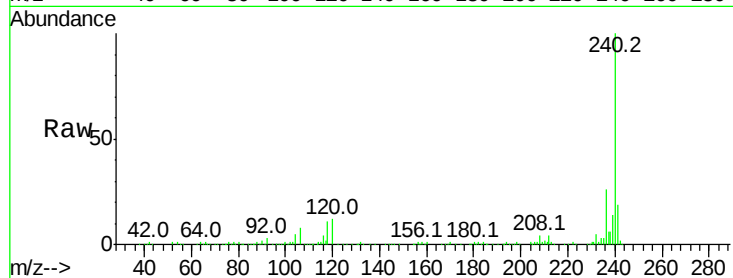
Tot Ion:240 Resp: 392787

Ion Ratio Lower Upper

240 100

120 11.7 5.8 8.8#

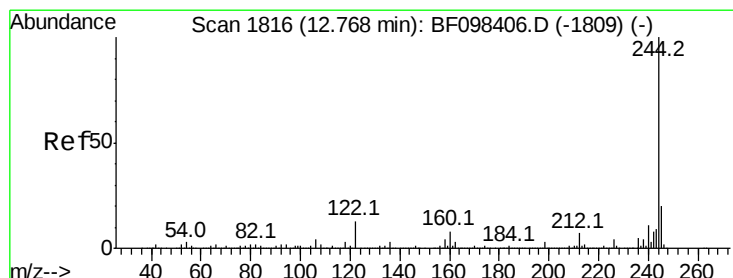
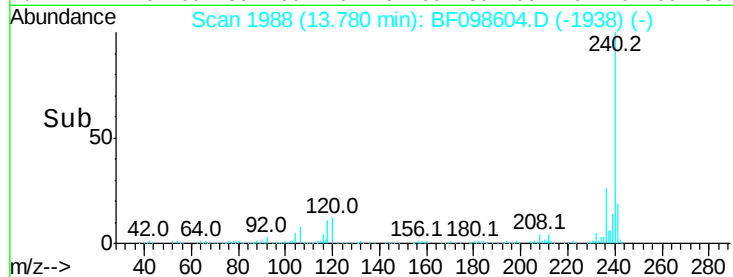
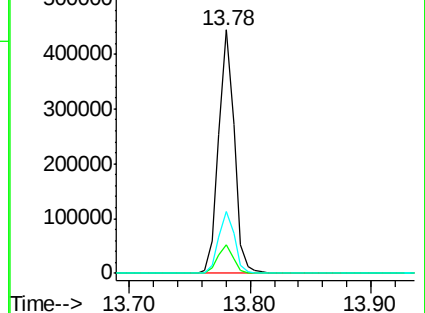
236 25.5 20.5 30.7



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: 114.812 ng

RT: 12.74 min Scan# 1811

Delta R.T. 0.01 min

Lab File: BF098604.D

Acq: 18 Sep 2017 16:09

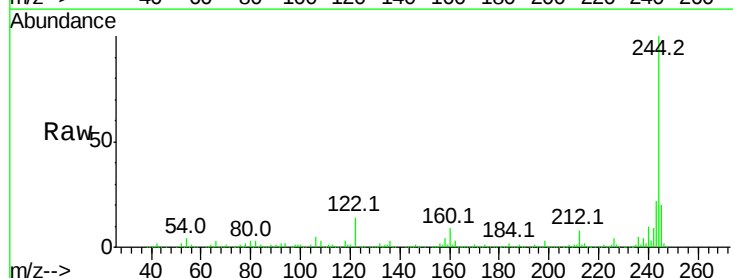
Tgt Ion:244 Resp: 2089303

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

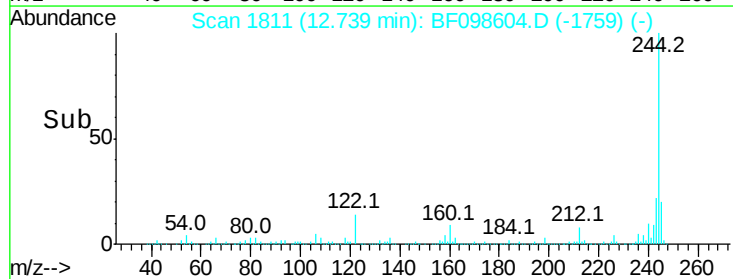
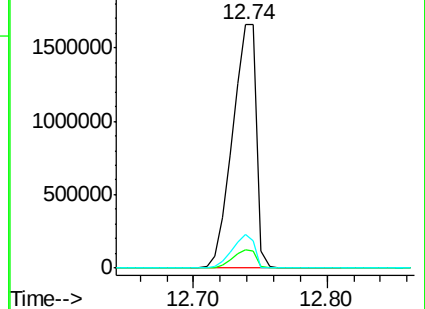
122 13.7 10.3 15.5

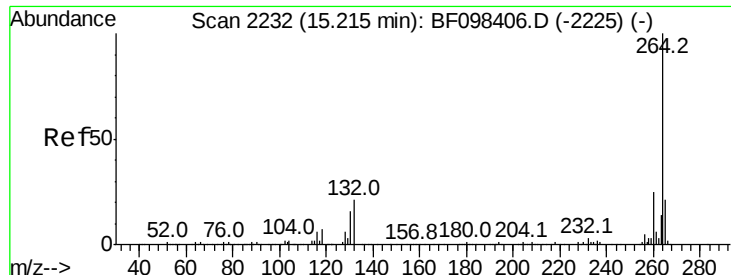


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

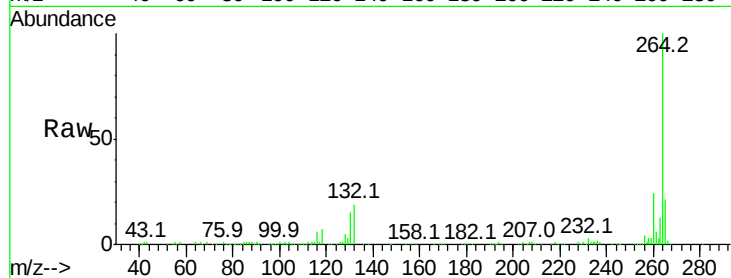




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BF098604.D
Acq: 18 Sep 2017 16:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	277355
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.3	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

