

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090117\
 Data File : BF098236.D
 Acq On : 1 Sep 2017 19:36
 Operator : SJ/JU
 Sample : I4963-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3831-PA3

Quant Time: Sep 01 22:54:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

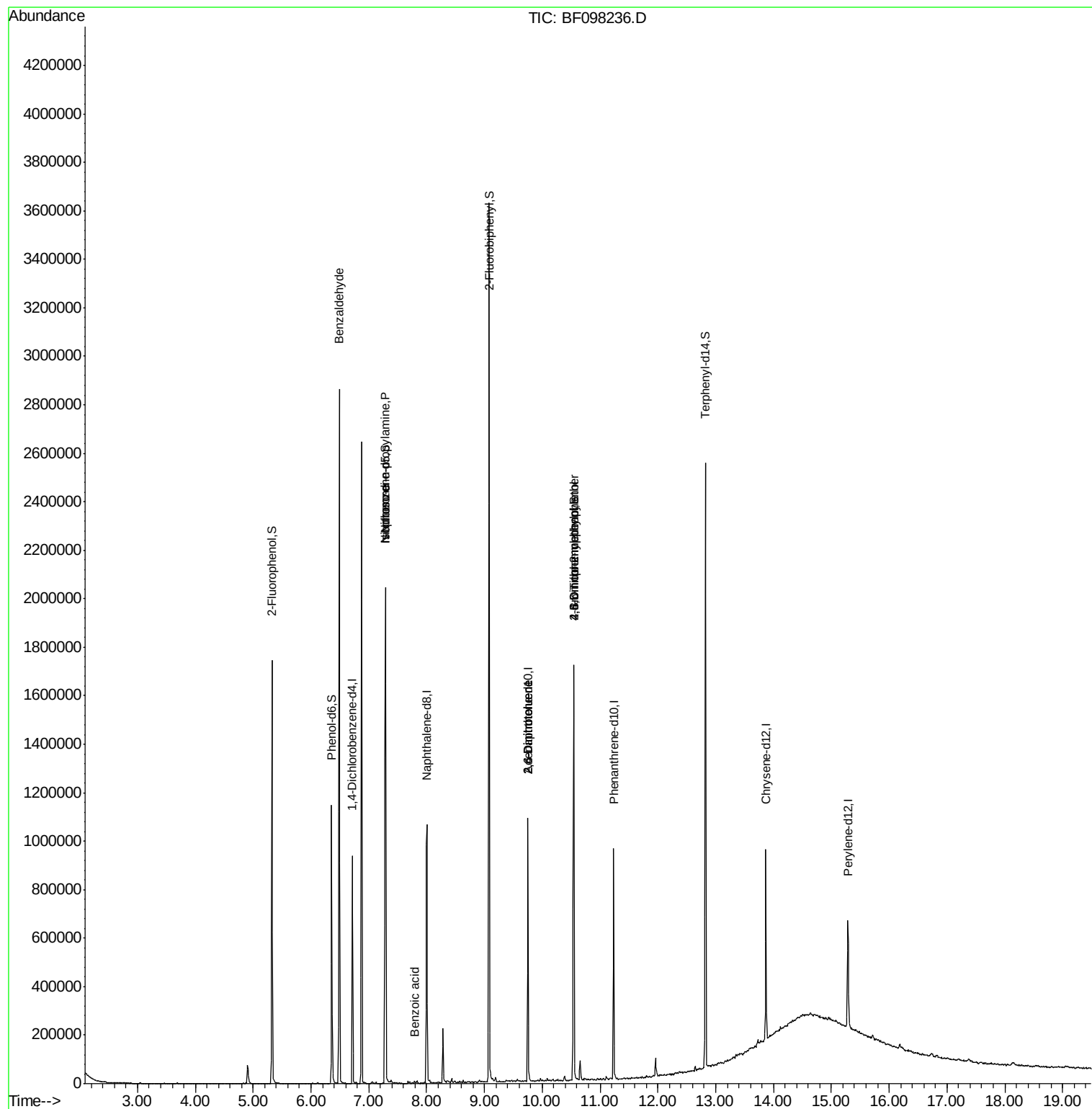
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	123554	20.00	ng	-0.04
21) Naphthalene-d8	8.00	136	489498	20.00	ng	-0.03
38) Acenaphthene-d10	9.75	164	203123	20.00	ng	-0.04
63) Phenanthrene-d10	11.23	188	316055	20.00	ng	-0.03
75) Chrysene-d12	13.87	240	253762	20.00	ng	-0.03
86) Perylene-d12	15.29	264	189128	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	491123	60.46	ng	-0.02
7) Phenol-d6	6.36	99	427689	38.75	ng	-0.03
23) Nitrobenzene-d5	7.29	82	818805	90.87	ng	-0.04
41) 2,4,6-Tribromophenol	10.55	330	205872	116.81	ng	-0.03
44) 2-Fluorobiphenyl	9.08	172	1175244	85.01	ng	-0.03
78) Terphenyl-d14	12.82	244	805330	66.18	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.49	77	19579	2.801	ng	# 68
19) n-Nitroso-di-n-propylamine	7.29	70	108398	14.348	ng	# 71
25) Isophorone	7.29	82	807269	43.086	ng	# 67
32) Benzoic acid	7.80	122	227	6.439	ng	# 1
50) 2,6-Dinitrotoluene	9.75	165	25504	8.605	ng	# 34
56) 2,4-Dinitrotoluene	9.75	165	25504	6.857	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.55	198	378	8.531	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	13257	4.039	ng	# 1

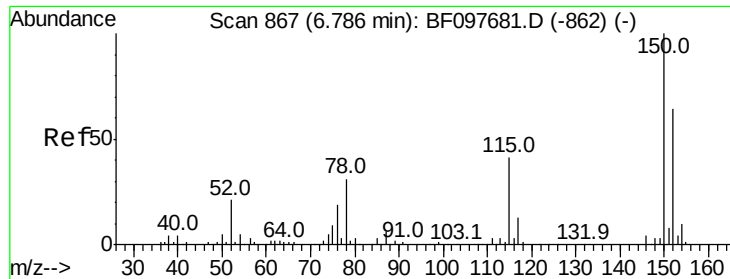
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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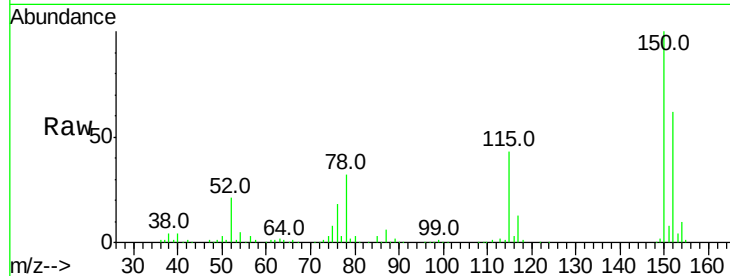


#1

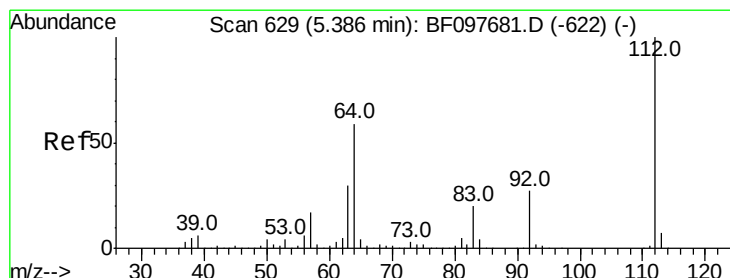
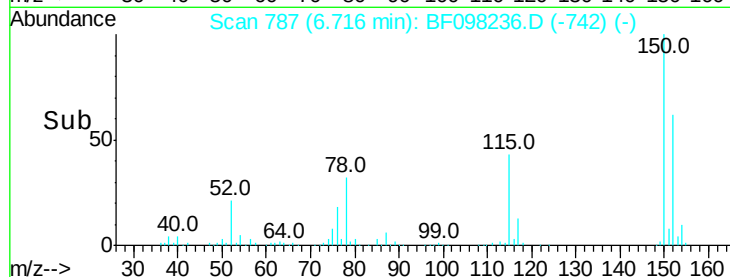
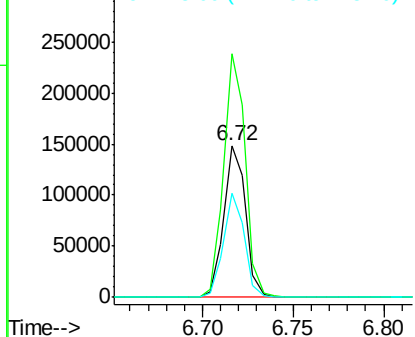
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.04 min
Lab File: BF098236.D
Acq: 1 Sep 2017 19:36

Instrument :
BNA_F
ClientSampleId :
3831-PA3

Tot Ion:152 Resp: 123554
Ion Ratio Lower Upper
152 100
150 160.2 126.2 189.2
115 68.6 52.2 78.2



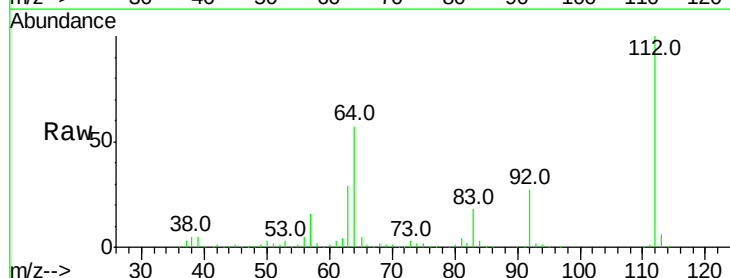
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



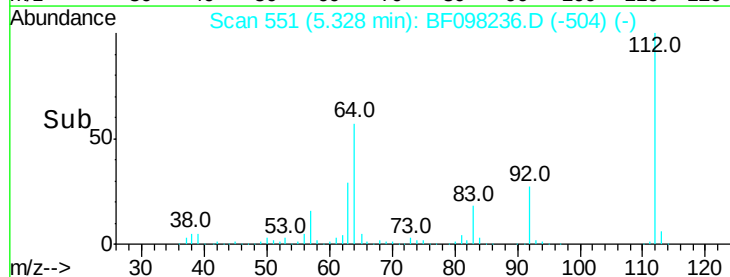
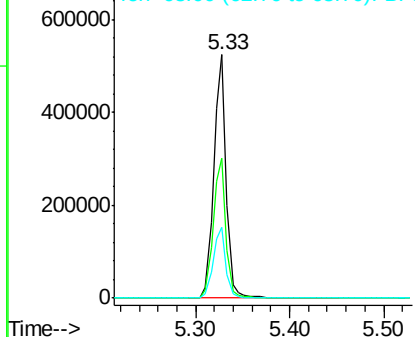
#5

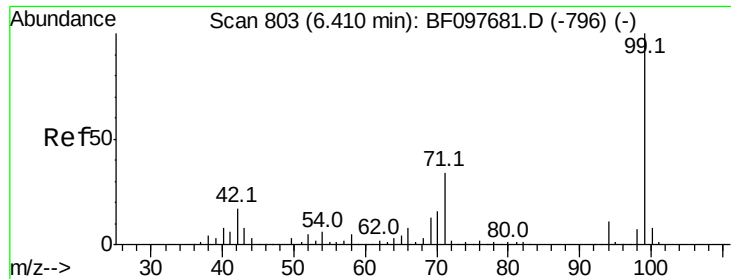
2-Fluorophenol
Concen: 60.462 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF098236.D
Acq: 1 Sep 2017 19:36

Tgt Ion:112 Resp: 491123
Ion Ratio Lower Upper
112 100
64 57.4 46.0 69.0
63 29.1 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: 38.752 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF098236.D

Acq: 1 Sep 2017 19:36

Instrument :

BNA_F

ClientSampled :

3831-PA3

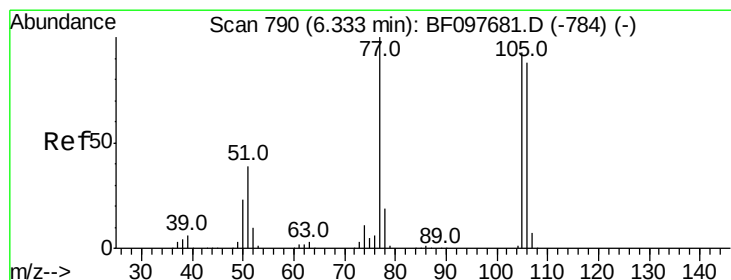
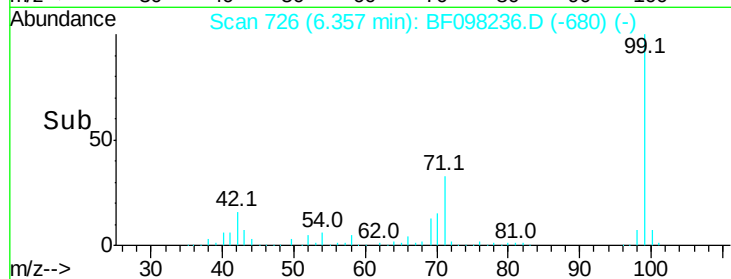
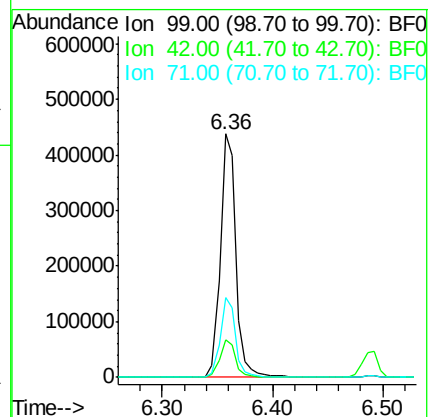
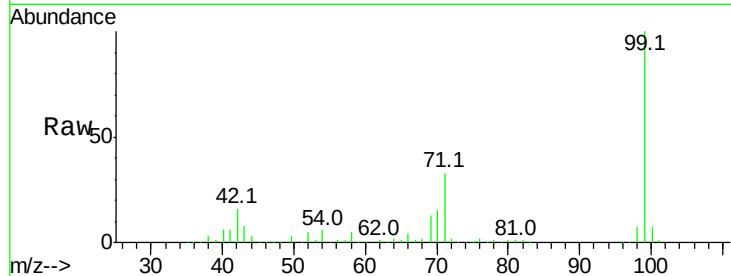
Tot Ion: 99 Resp: 427689

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

71 32.6 24.5 36.7



#9

Benzaldehyde

Concen: 2.801 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.19 min

Lab File: BF098236.D

Acq: 1 Sep 2017 19:36

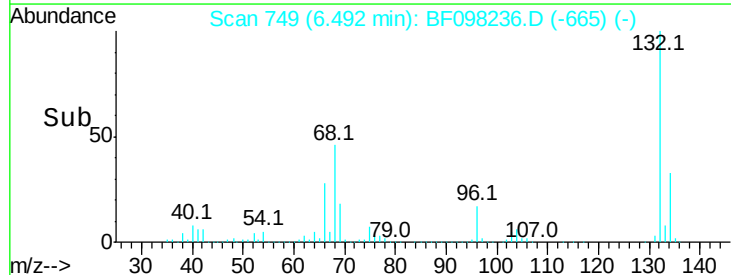
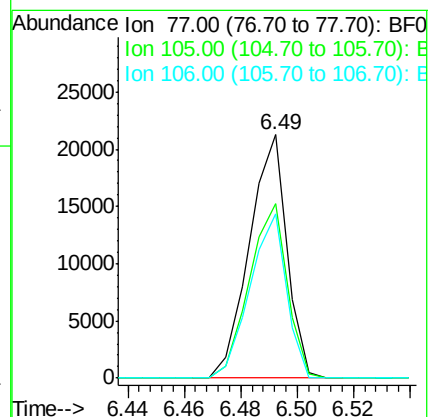
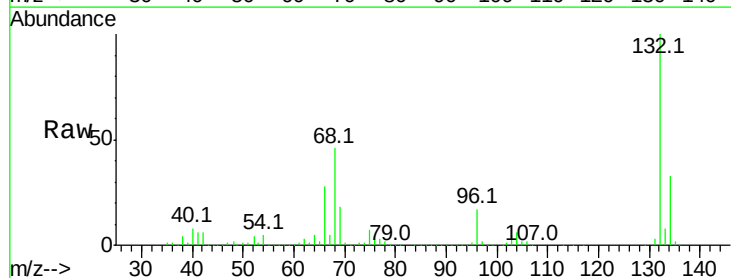
Tgt Ion: 77 Resp: 19579

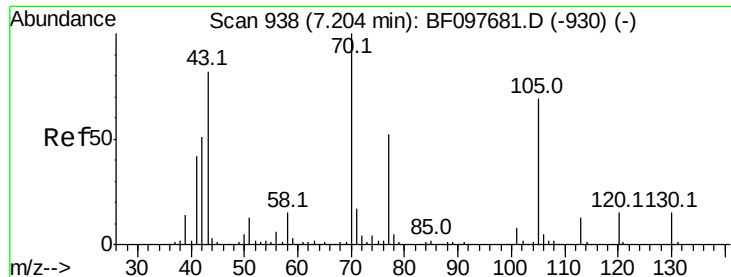
Ion Ratio Lower Upper

77 100

105 71.8 83.8 123.8#

106 67.5 79.1 119.1#

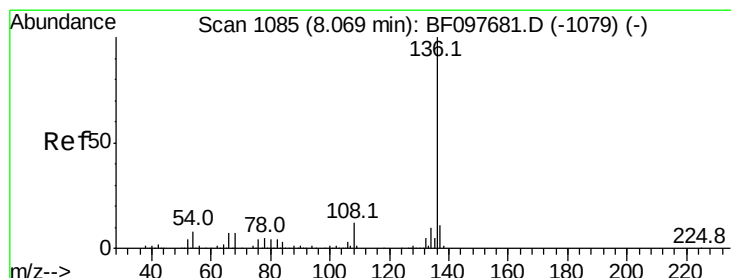
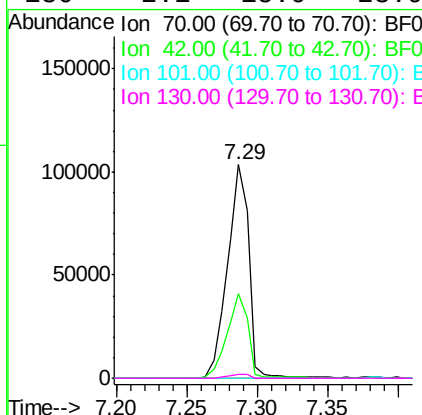
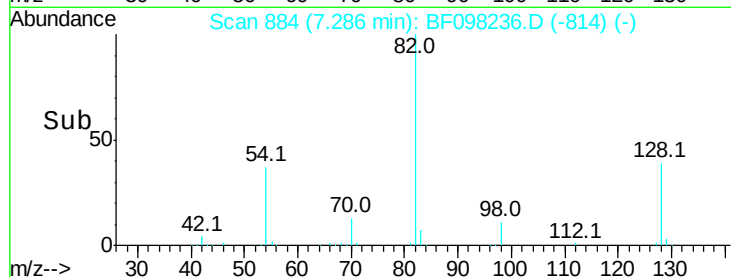
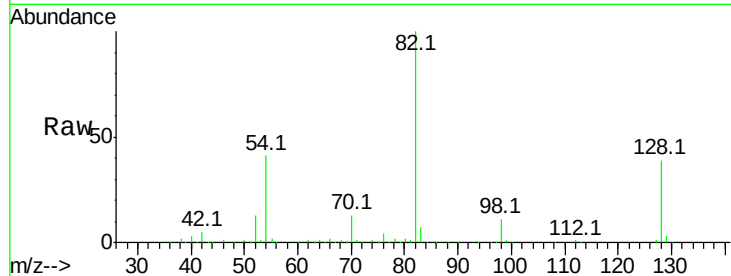




#19
n-Nitroso-di-n-propylamine
Concen: 14.348 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.11 min
Lab File: BF098236.D
Acq: 1 Sep 2017 19:36

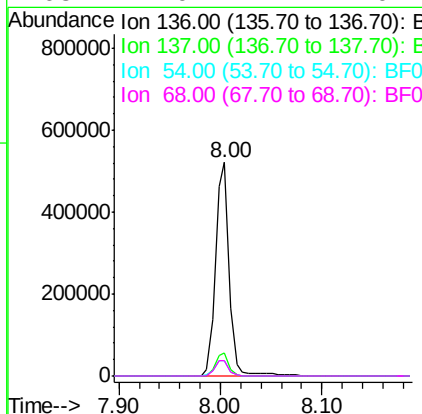
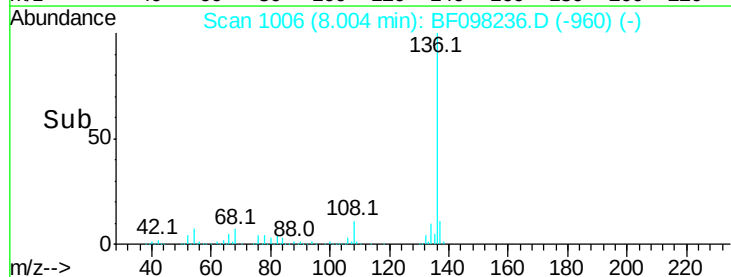
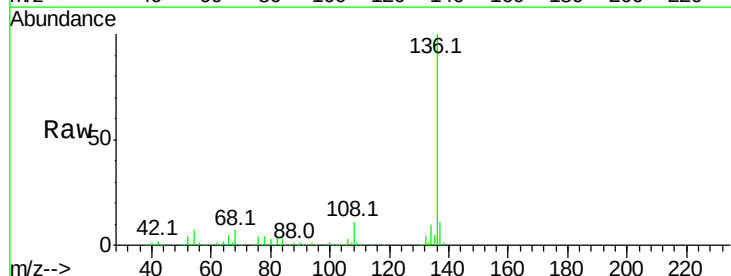
Instrument :
BNA_F
ClientSampleId :
3831-PA3

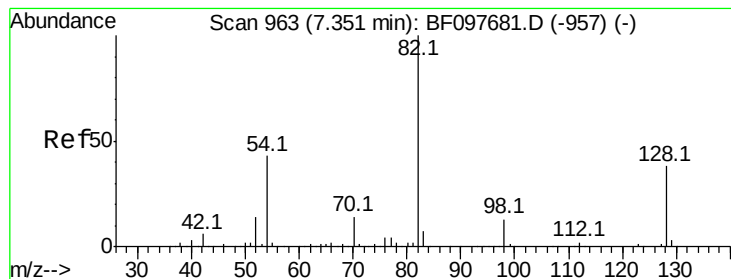
Tot Ion: 70 Resp: 108398
Ion Ratio Lower Upper
70 100
42 39.6 47.2 70.8#
101 0.0 7.2 10.8#
130 2.1 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.03 min
Lab File: BF098236.D
Acq: 1 Sep 2017 19:36

Tgt Ion:136 Resp: 489498
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 6.9 4.9 7.3
68 7.0 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 90.871 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.04 min

Lab File: BF098236.D

Acq: 1 Sep 2017 19:36

Instrument :

BNA_F

ClientSampleId :

3831-PA3

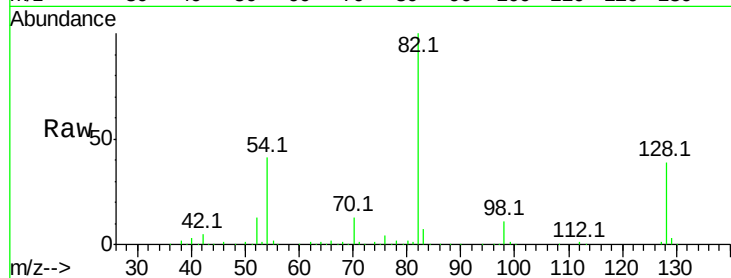
Tot Ion: 82 Resp: 818805

Ion Ratio Lower Upper

82 100

128 39.2 34.0 51.0

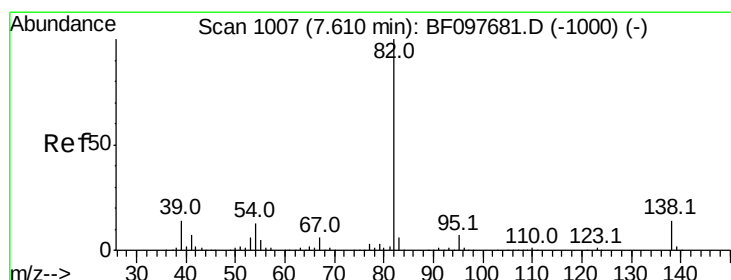
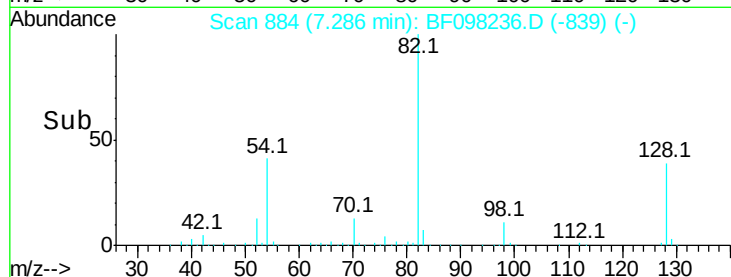
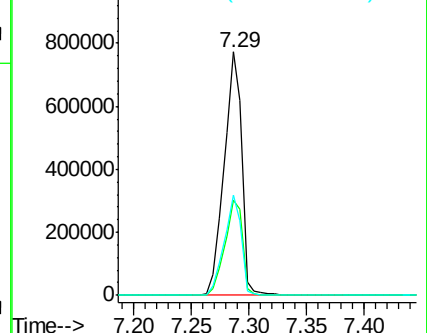
54 41.2 42.2 63.2#



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: 43.086 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.29 min

Lab File: BF098236.D

Acq: 1 Sep 2017 19:36

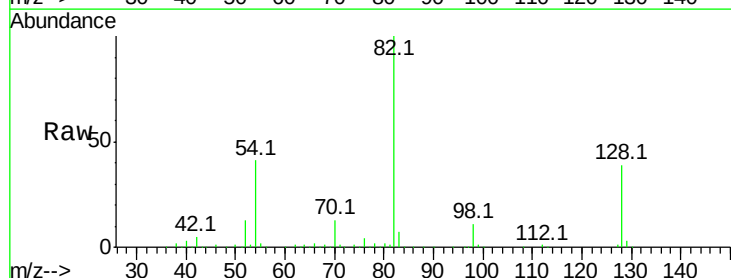
Tgt Ion: 82 Resp: 807269

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

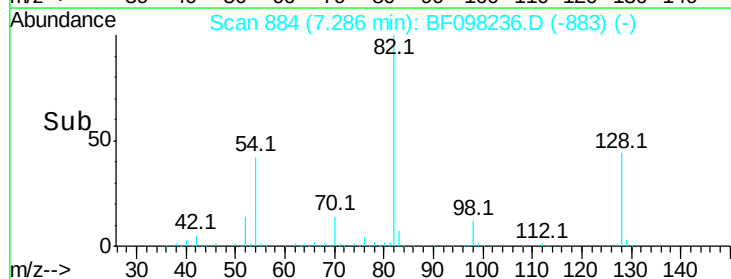
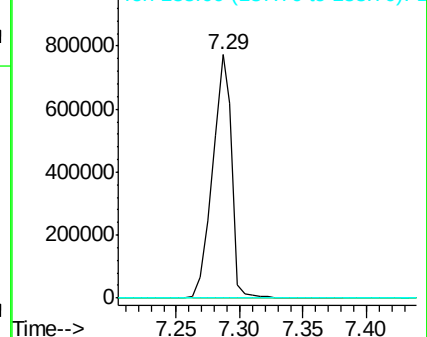
138 0.0 13.1 19.7#

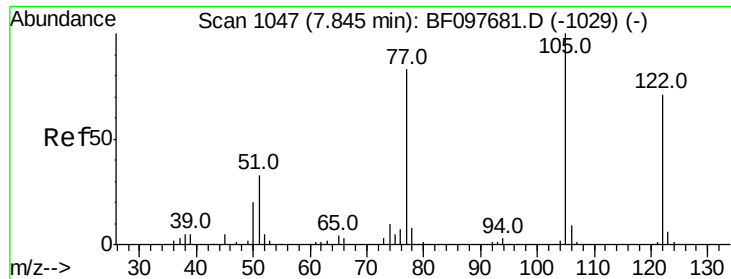


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

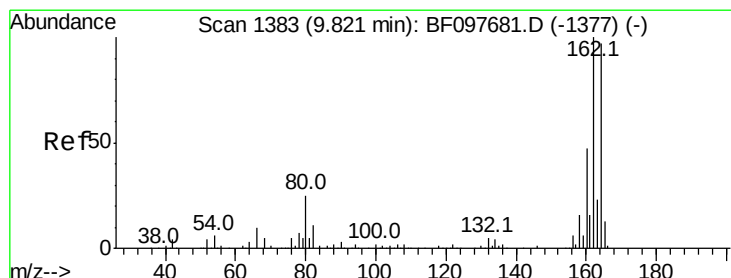
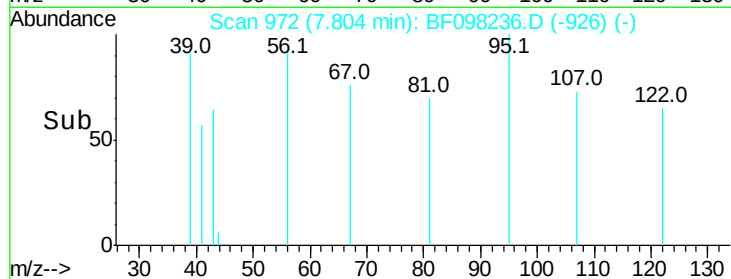
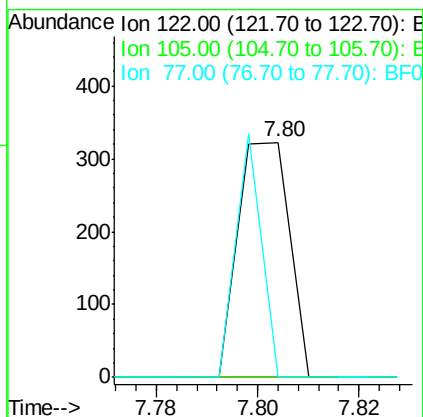
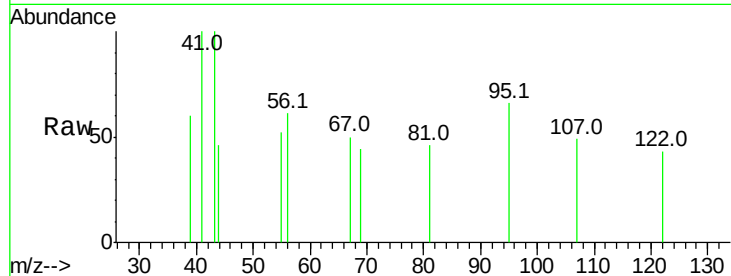




#32
Benzoic acid
Concen: 6.439 ng
RT: 7.80 min Scan# 972
Delta R.T. -0.03 min
Lab File: BF098236.D
Acq: 1 Sep 2017 19:36

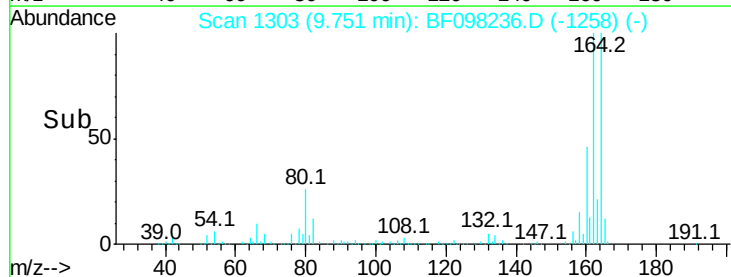
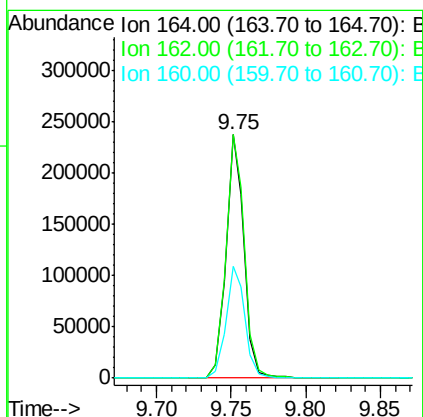
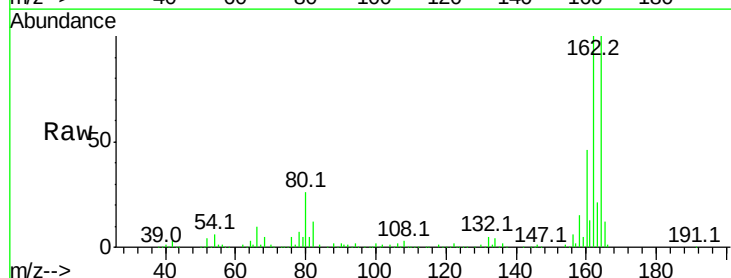
Instrument :
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3831-PA3

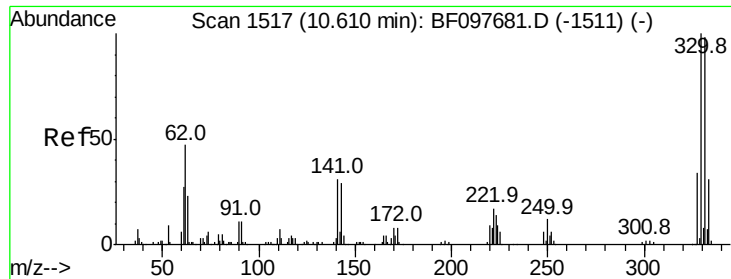
Tot Ion:122 Resp: 227
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 0.0 73.7 113.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.04 min
Lab File: BF098236.D
Acq: 1 Sep 2017 19:36

Tgt Ion:164 Resp: 203123
Ion Ratio Lower Upper
164 100
162 100.1 82.6 123.8
160 45.8 36.2 54.2

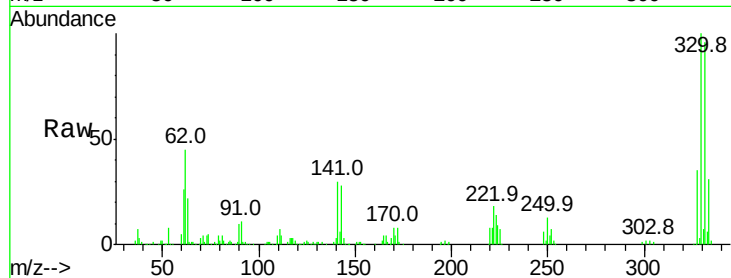




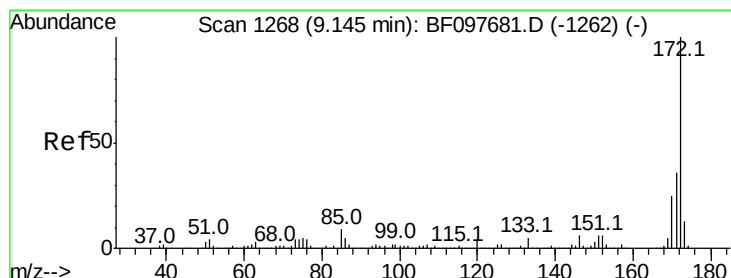
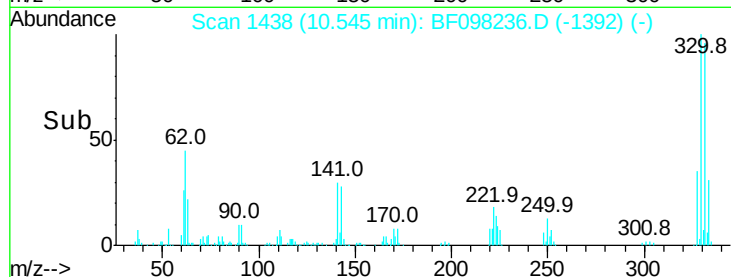
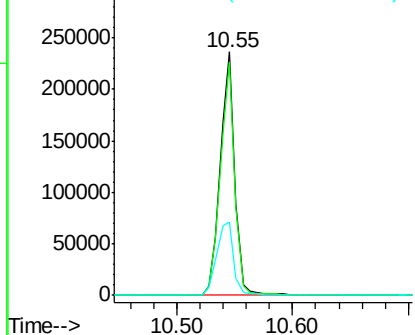
#41
 2,4,6-Tribromophenol
 Concen: 116.812 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.03 min
 Lab File: BF098236.D
 Acq: 1 Sep 2017 19:36

Instrument :
 BNA_F
 ClientSampleId :
 3831-PA3

Tot Ion:330 Resp: 205872
 Ion Ratio Lower Upper
 330 100
 332 95.5 76.6 115.0
 141 35.6 31.4 47.2

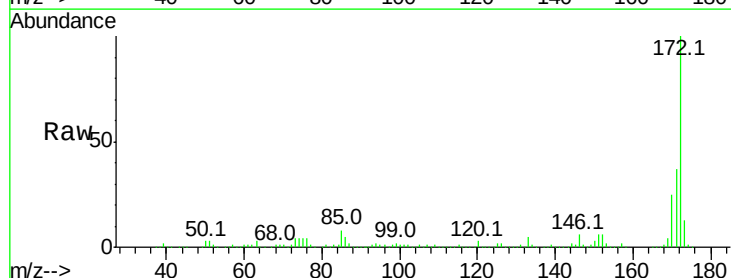


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

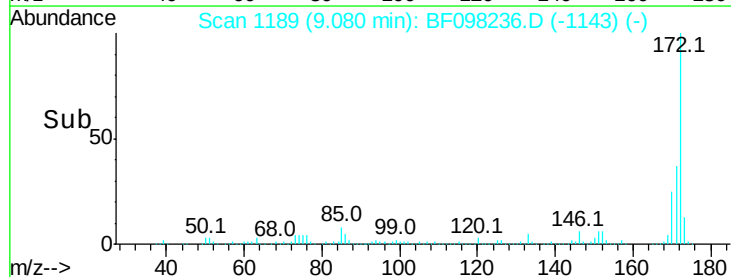
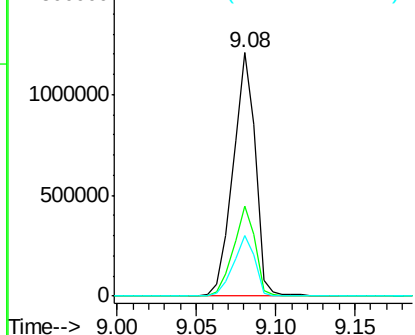


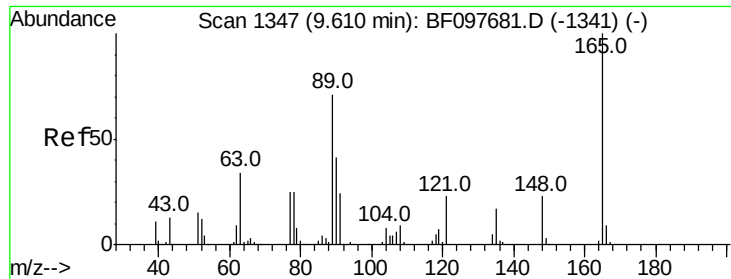
#44
 2-Fluorobiphenyl
 Concen: 85.006 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF098236.D
 Acq: 1 Sep 2017 19:36

Tgt Ion:172 Resp: 1175244
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.6 44.4
 170 24.9 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

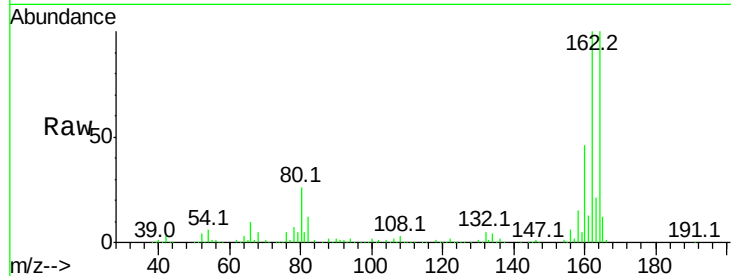




#50
 2,6-Dinitrotoluene
 Concen: 8.605 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. 0.18 min
 Lab File: BF098236.D
 Acq: 1 Sep 2017 19:36

Instrument :
 BNA_F
 ClientSampleId :
 3831-PA3

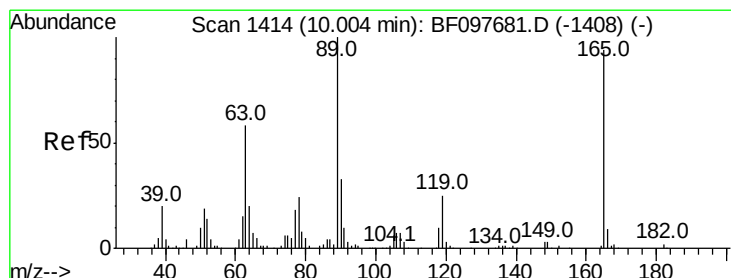
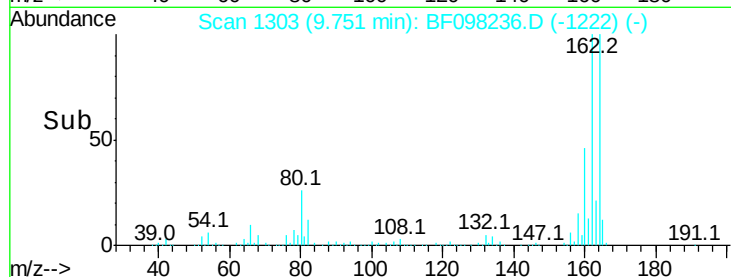
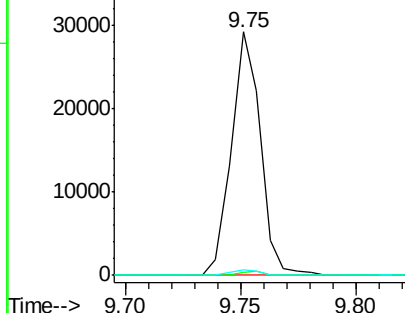
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	34.3	51.5#
89	2.2	37.1	55.7#



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: 6.857 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.22 min
 Lab File: BF098236.D
 Acq: 1 Sep 2017 19:36

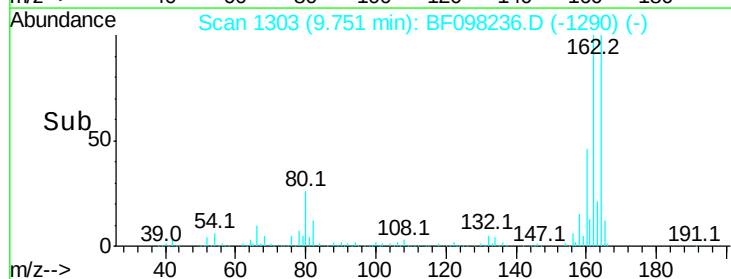
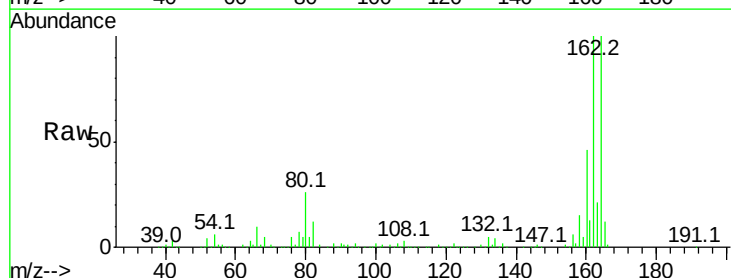
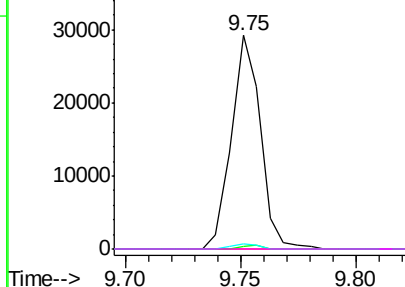
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.4	38.0#
89	2.2	46.4	69.6#
182	0.0	1.8	2.6#

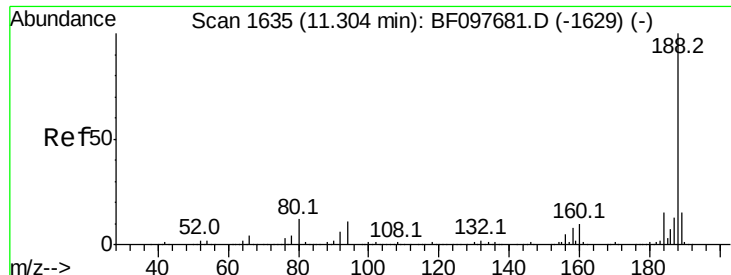
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.23 min Scan# 1555

Delta R.T. -0.03 min

Lab File: BF098236.D

Acq: 1 Sep 2017 19:36

Instrument :

BNA_F

ClientSampleId :

3831-PA3

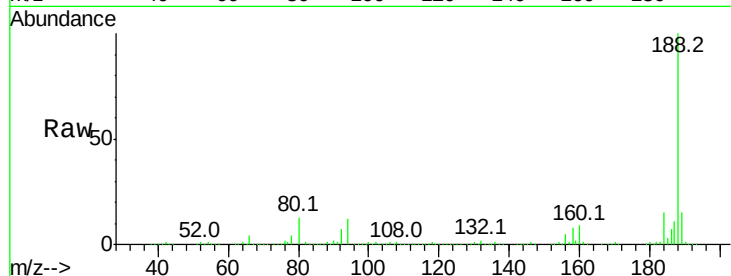
Tot Ion:188 Resp: 316055

Ion Ratio Lower Upper

188 100

94 12.0 9.4 14.2

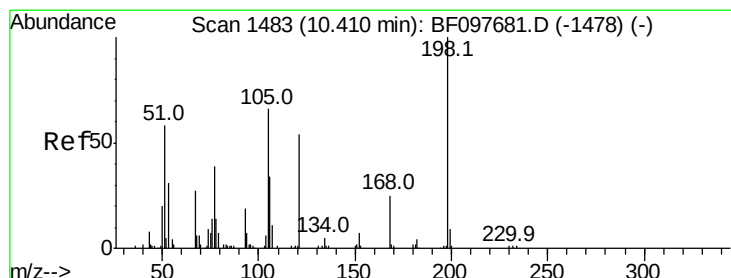
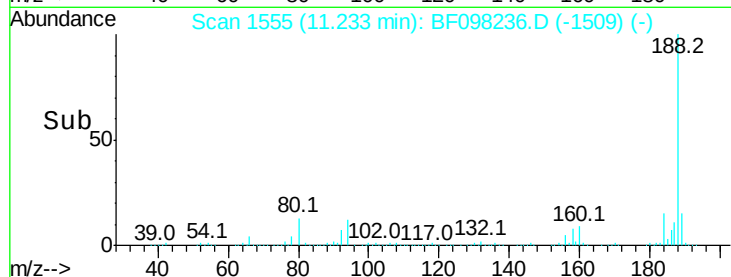
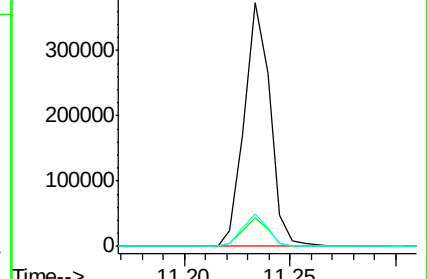
80 13.3 10.2 15.2



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



#64

4,6-Dinitro-2-methylphenol

Concen: 8.531 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.16 min

Lab File: BF098236.D

Acq: 1 Sep 2017 19:36

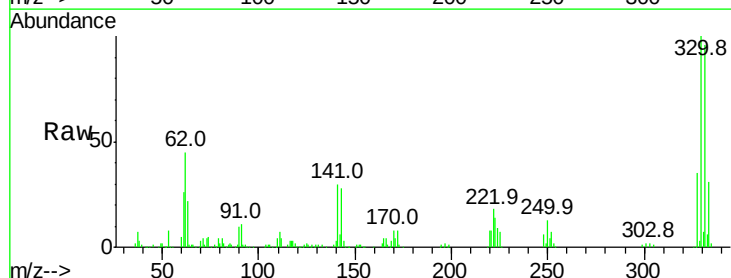
Tgt Ion:198 Resp: 378

Ion Ratio Lower Upper

198 100

51 159.4 53.2 93.2#

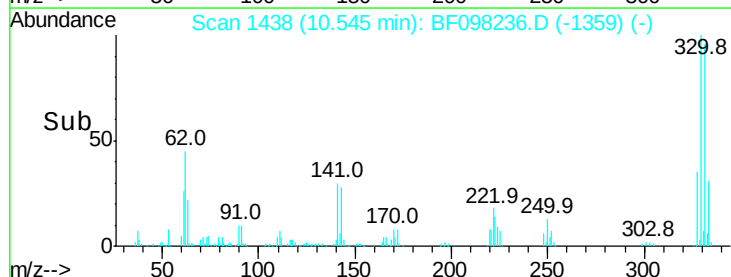
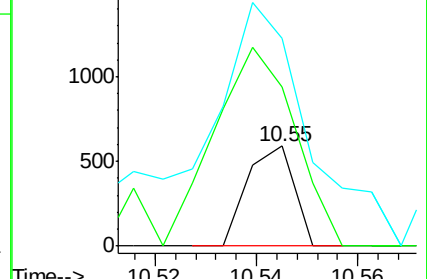
105 208.8 45.8 85.8#

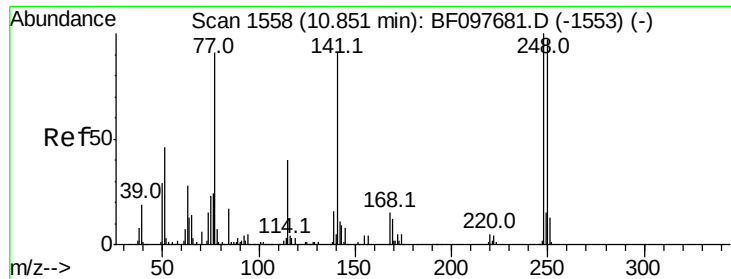


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

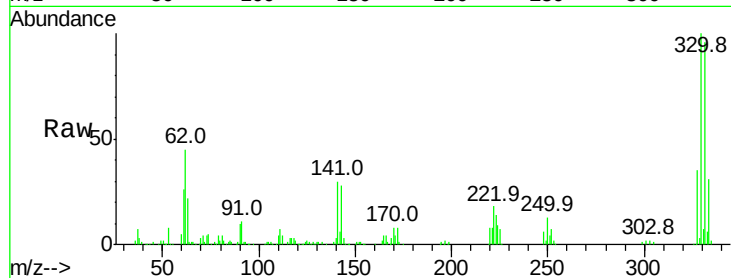




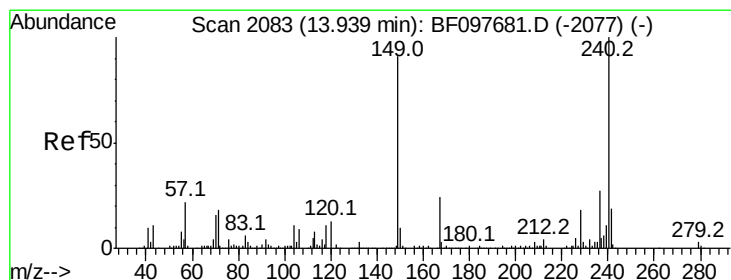
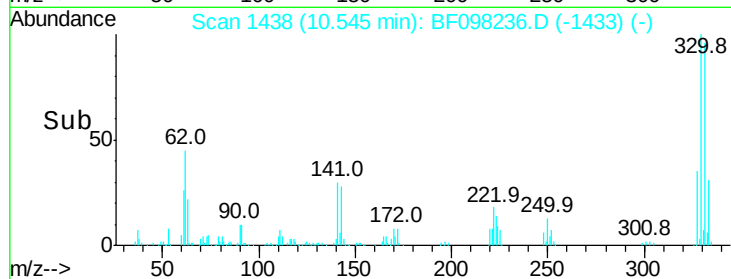
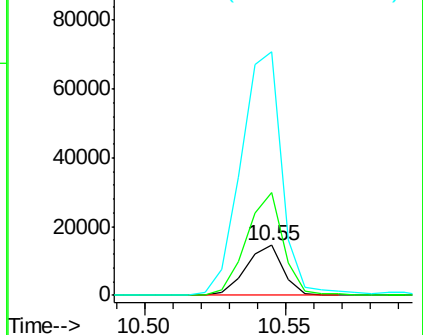
#66
 4-Bromophenyl-phenylether
 Concen: 4.039 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.27 min
 Lab File: BF098236.D
 Acq: 1 Sep 2017 19:36

Instrument :
 BNA_F
 ClientSampleId :
 3831-PA3

Tot Ion:248 Resp: 13257
 Ion Ratio Lower Upper
 248 100
 250 205.1 76.8 115.2#
 141 486.6 68.6 103.0#

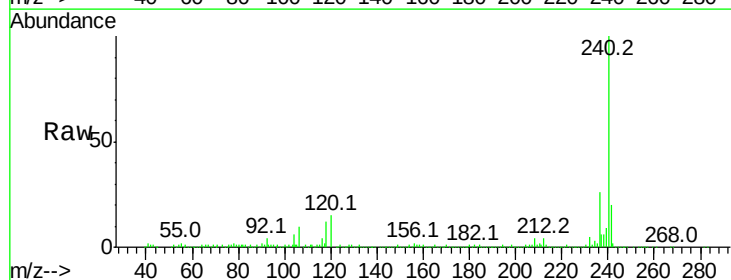


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

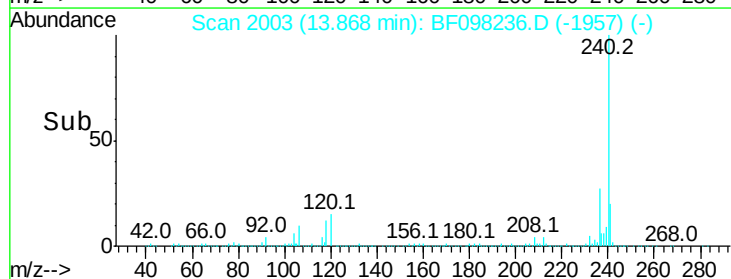
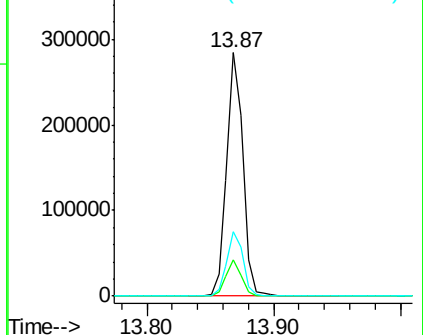


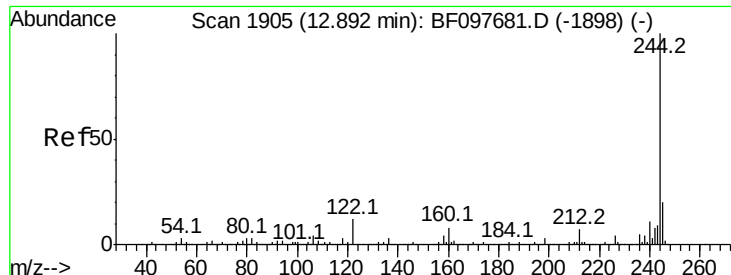
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. -0.03 min
 Lab File: BF098236.D
 Acq: 1 Sep 2017 19:36

Tgt Ion:240 Resp: 253762
 Ion Ratio Lower Upper
 240 100
 120 14.9 5.8 8.8#
 236 26.5 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: 66.179 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.03 min

Lab File: BF098236.D

Acq: 1 Sep 2017 19:36

Instrument :

BNA_F

ClientSampleId :

3831-PA3

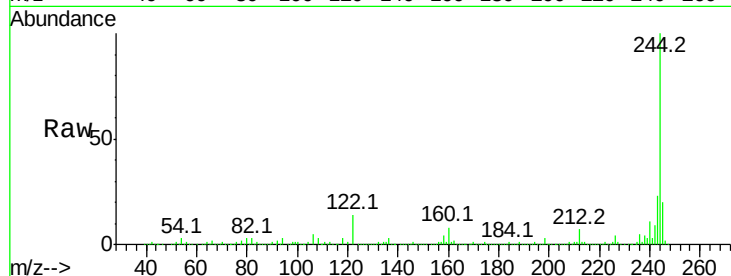
Tot Ion:244 Resp: 805330

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

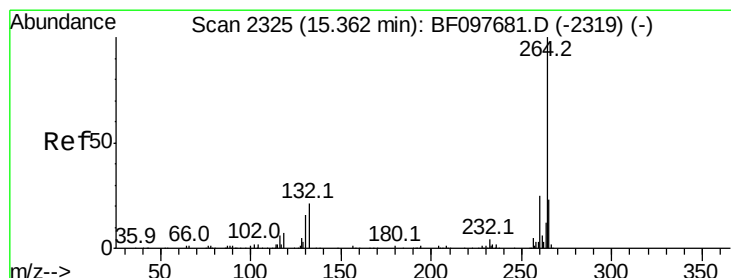
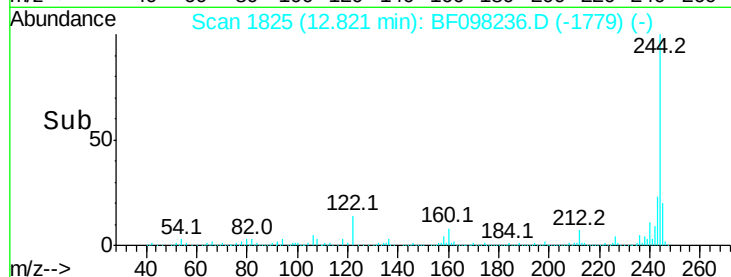
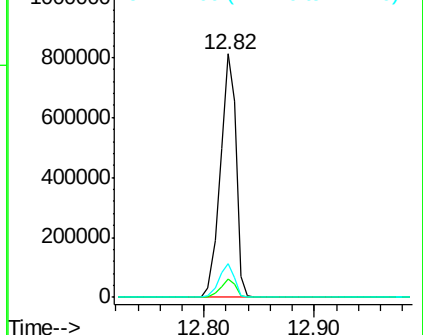
122 13.7 10.3 15.5



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

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2244

Delta R.T. -0.02 min

Lab File: BF098236.D

Acq: 1 Sep 2017 19:36

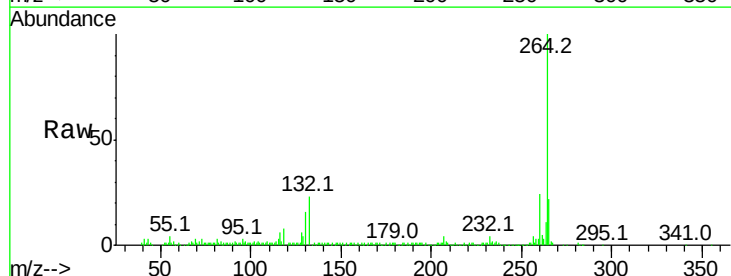
Tgt Ion:264 Resp: 189128

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

265 22.0 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

