

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083117\
 Data File : BF098211.D
 Acq On : 31 Aug 2017 22:59
 Operator : SJ/JU
 Sample : I4963-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 01 01:54:17 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

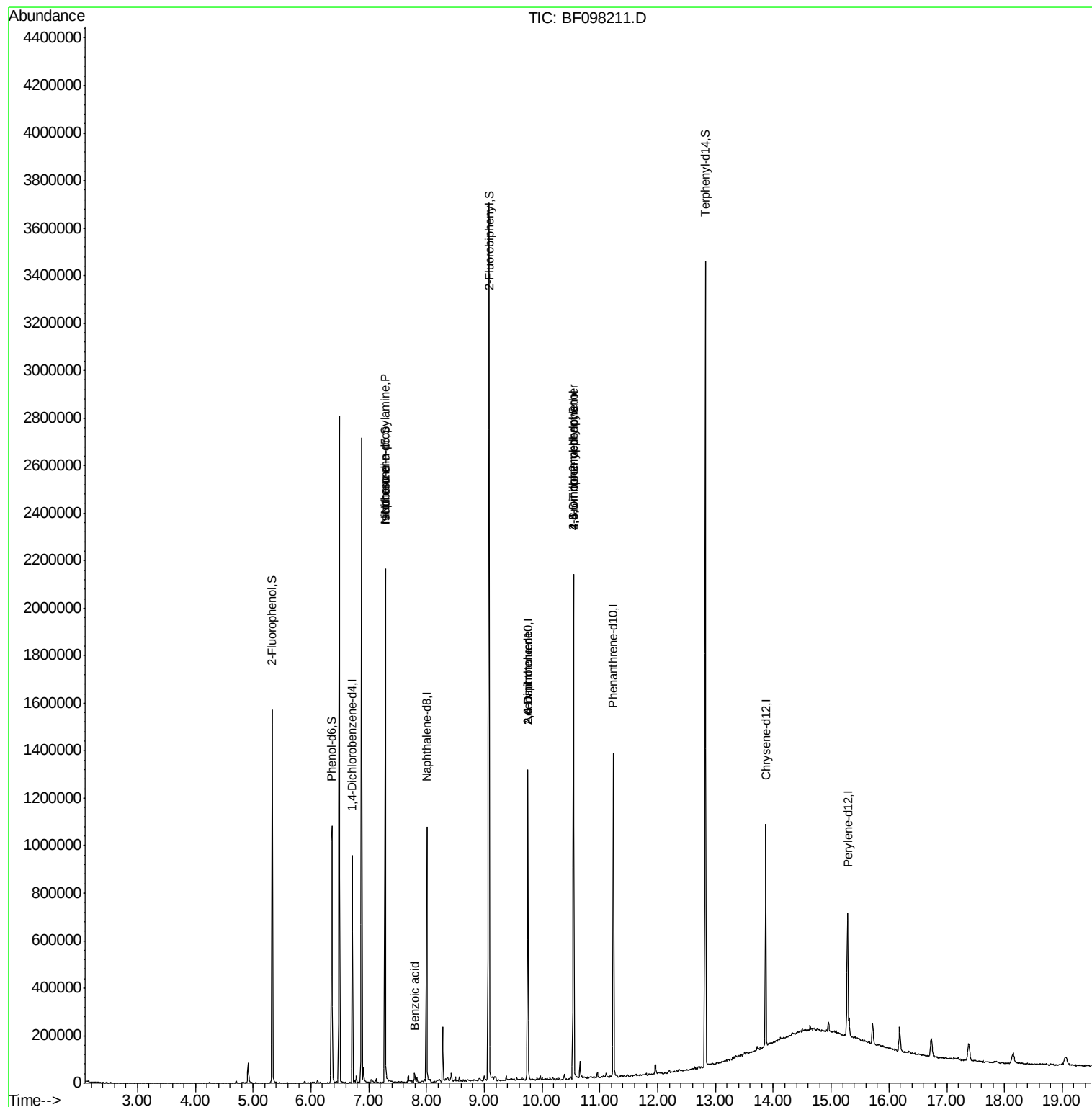
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	125827	20.00	ng	-0.04
21) Naphthalene-d8	8.00	136	522999	20.00	ng	-0.03
38) Acenaphthene-d10	9.75	164	250158	20.00	ng	-0.04
63) Phenanthrene-d10	11.23	188	487633	20.00	ng	-0.03
75) Chrysene-d12	13.87	240	307338	20.00	ng	-0.03
86) Perylene-d12	15.29	264	233205	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	464965	56.21	ng	-0.02
7) Phenol-d6	6.36	99	404545	35.99	ng	-0.02
23) Nitrobenzene-d5	7.29	82	838622	87.11	ng	-0.04
41) 2,4,6-Tribromophenol	10.54	330	276319	127.30	ng	-0.03
44) 2-Fluorobiphenyl	9.08	172	1303885	76.58	ng	-0.03
78) Terphenyl-d14	12.83	244	1183121	80.28	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	113263	14.721	ng	# 69
25) Isophorone	7.29	82	824307	41.177	ng	# 67
32) Benzoic acid	7.80	122	108	6.420	ng	# 33
50) 2,6-Dinitrotoluene	9.75	165	31974	8.760	ng	# 34
56) 2,4-Dinitrotoluene	9.75	165	31974	6.980	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.54	198	584	8.531	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	17675	3.490	ng	# 1

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

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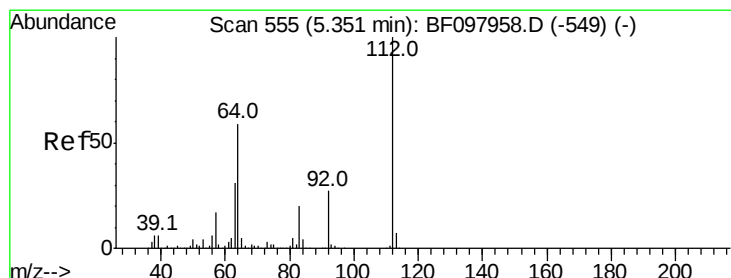
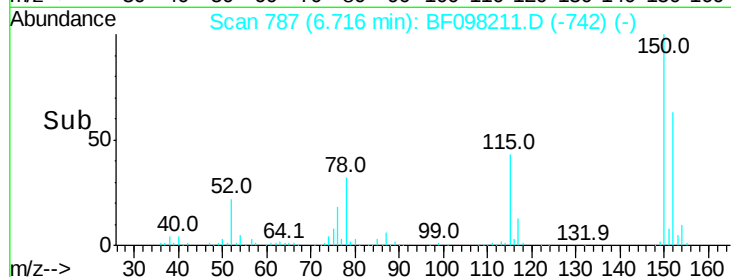
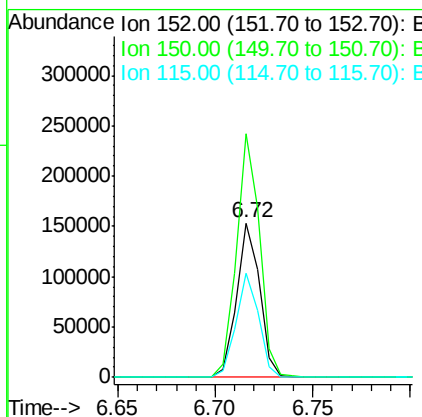
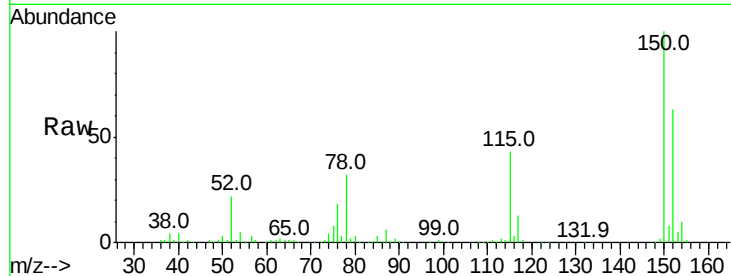


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 787
 Delta R.T. -0.04 min
 Lab File: BF098211.D
 Acq: 31 Aug 2017 22:59

Instrument :
 BNA_F
 ClientSampleId :

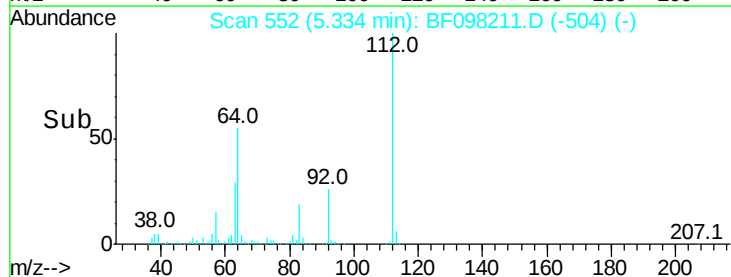
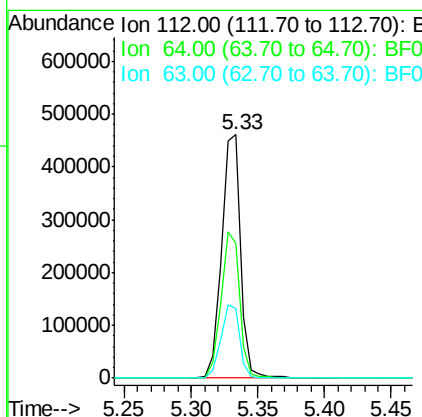
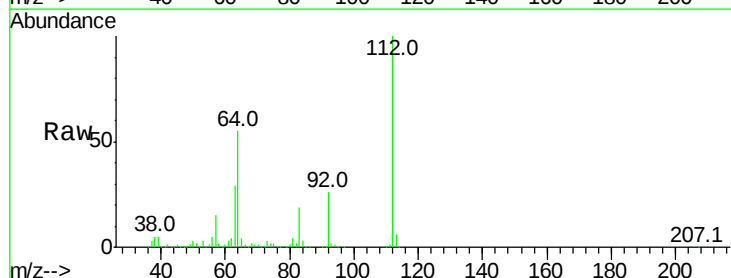
Tot Ion:152 Resp: 125827
 Ion Ratio Lower Upper
 152 100
 150 157.7 126.2 189.2
 115 67.3 52.2 78.2

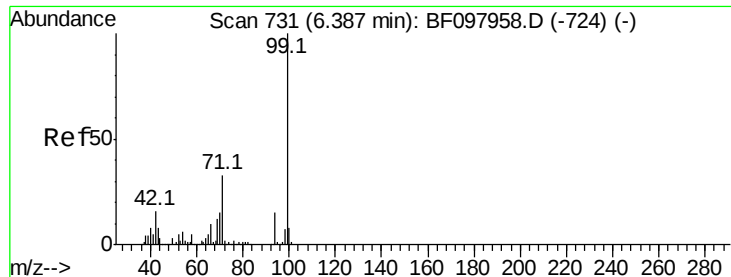


#5

2-Fluorophenol
 Concen: 56.208 ng
 RT: 5.33 min Scan# 552
 Delta R.T. -0.02 min
 Lab File: BF098211.D
 Acq: 31 Aug 2017 22:59

Tgt Ion:112 Resp: 464965
 Ion Ratio Lower Upper
 112 100
 64 55.3 46.0 69.0
 63 28.6 23.4 35.0





#7

Phenol-d6

Concen: 35.993 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF098211.D

Acq: 31 Aug 2017 22:59

Instrument :

BNA_F

ClientSampleId :

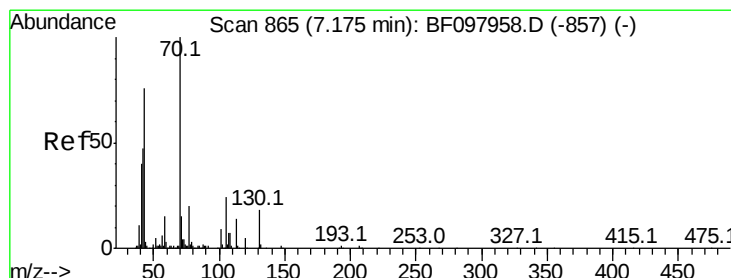
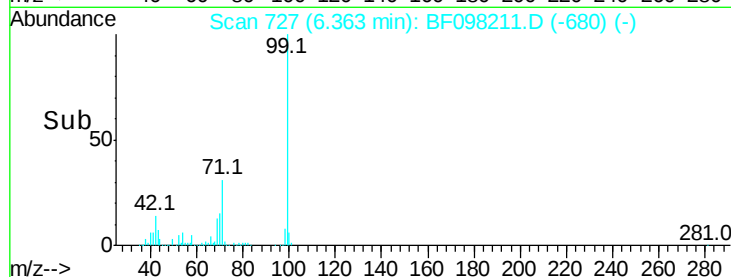
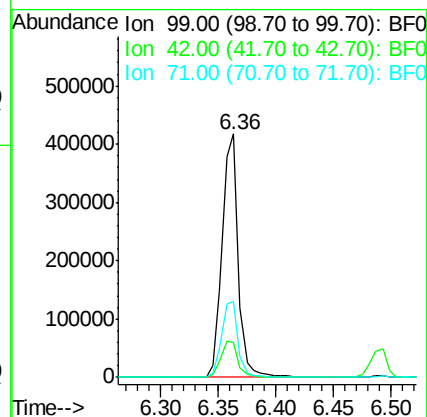
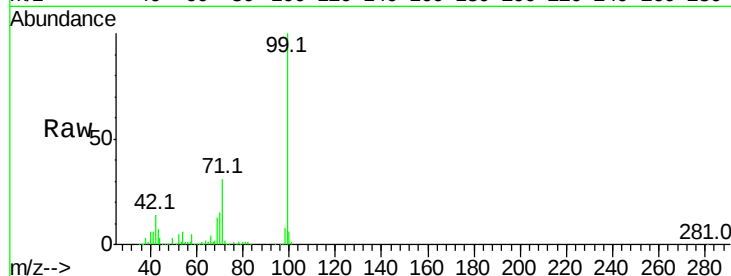
Tot Ion: 99 Resp: 404545

Ion Ratio Lower Upper

99 100

42 14.3 13.5 20.3

71 31.3 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 14.721 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.11 min

Lab File: BF098211.D

Acq: 31 Aug 2017 22:59

Tgt Ion: 70 Resp: 113263

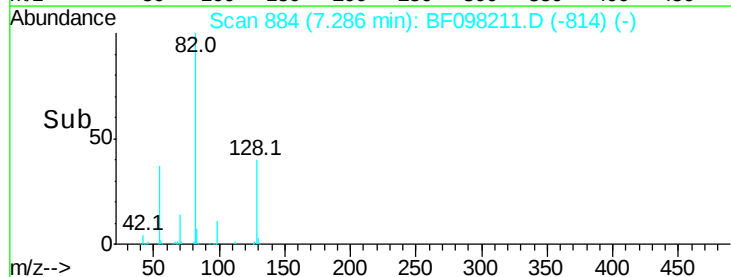
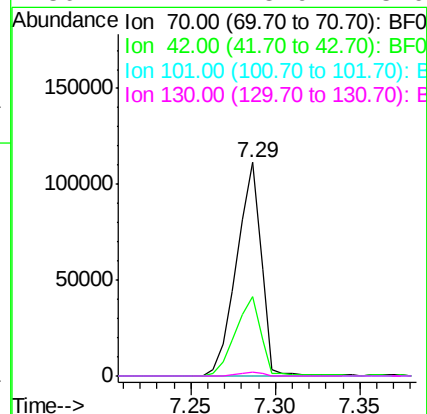
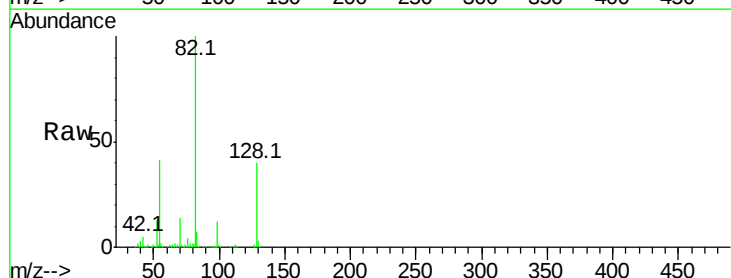
Ion Ratio Lower Upper

70 100

42 37.3 47.2 70.8#

101 0.0 7.2 10.8#

130 1.7 15.9 23.9#

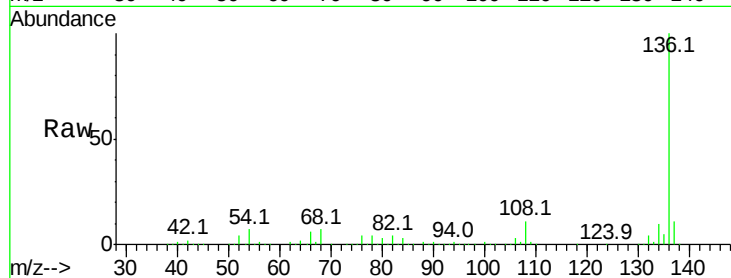




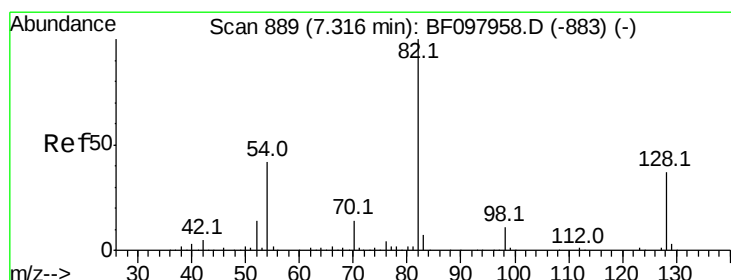
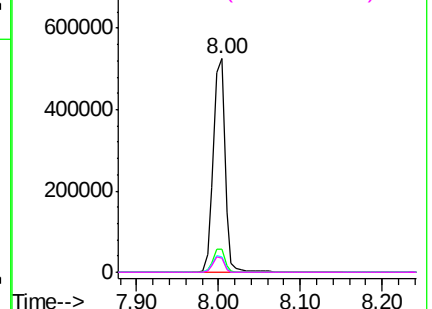
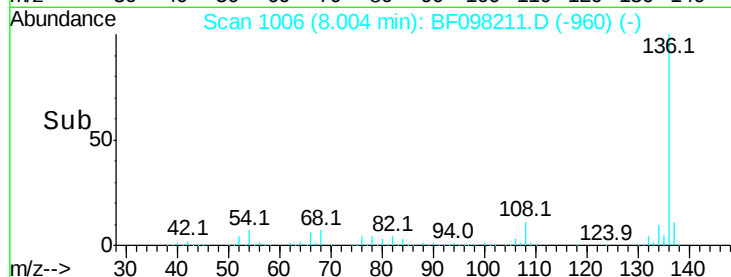
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.03 min
Lab File: BF098211.D
Acq: 31 Aug 2017 22:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	522999
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	7.0	4.9	7.3
68	6.9	4.1	6.1#

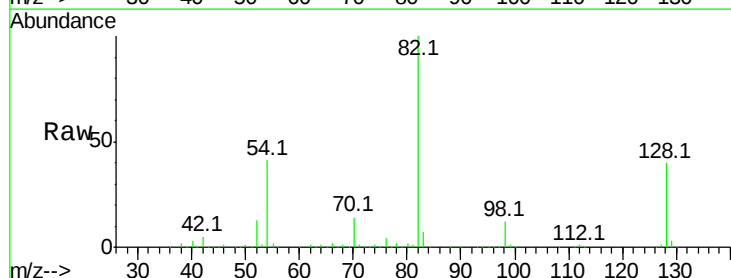


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

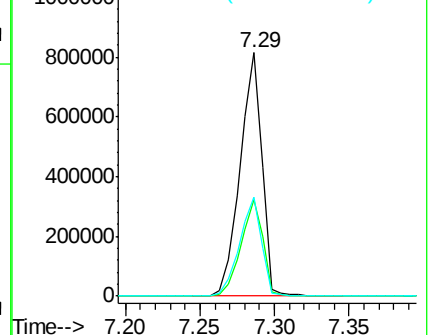
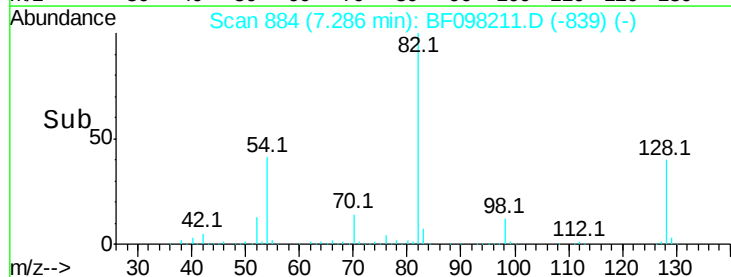


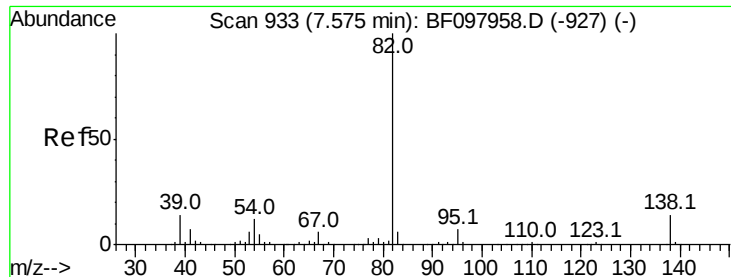
#23
Nitrobenzene-d5
Concen: 87.109 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.04 min
Lab File: BF098211.D
Acq: 31 Aug 2017 22:59

Tgt Ion:	82	Resp:	838622
Ion	Ratio	Lower	Upper
82	100		
128	39.8	34.0	51.0
54	40.5	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: 41.177 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.29 min

Lab File: BF098211.D

Acq: 31 Aug 2017 22:59

Instrument :

BNA_F

ClientSampled :

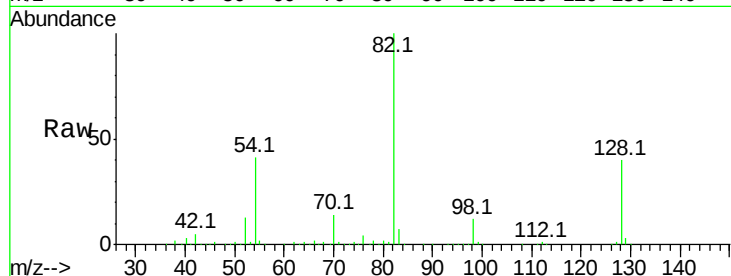
Tot Ion: 82 Resp: 824307

Ion Ratio Lower Upper

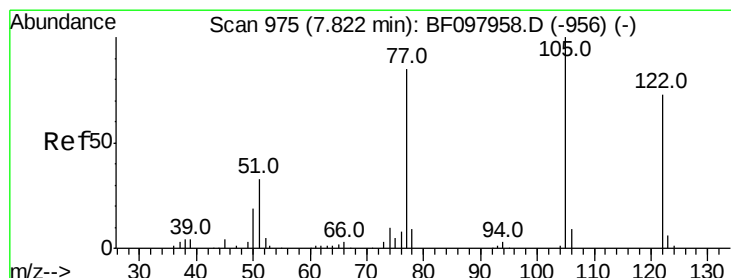
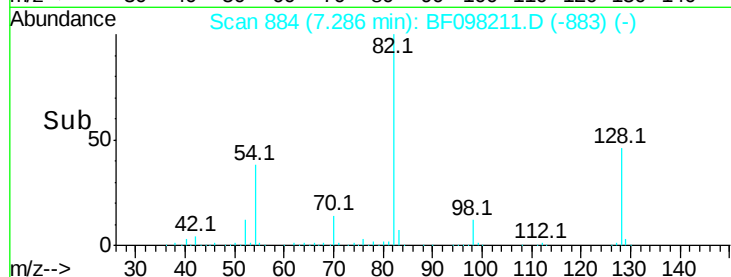
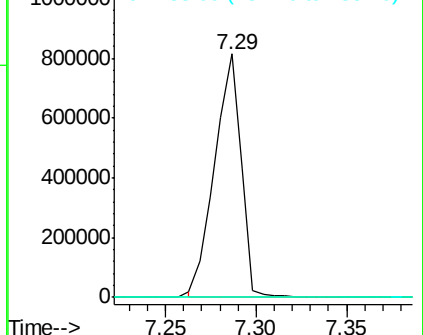
82 100

95 0.1 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: 6.420 ng

RT: 7.80 min Scan# 972

Delta R.T. -0.03 min

Lab File: BF098211.D

Acq: 31 Aug 2017 22:59

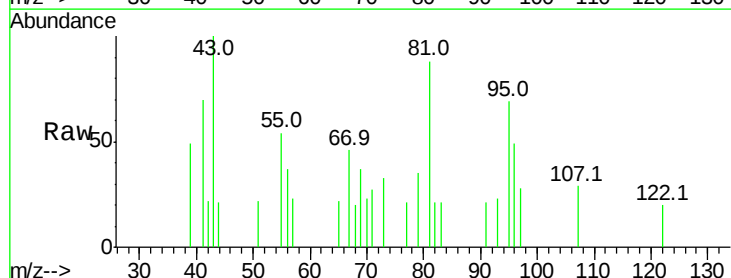
Tgt Ion:122 Resp: 108

Ion Ratio Lower Upper

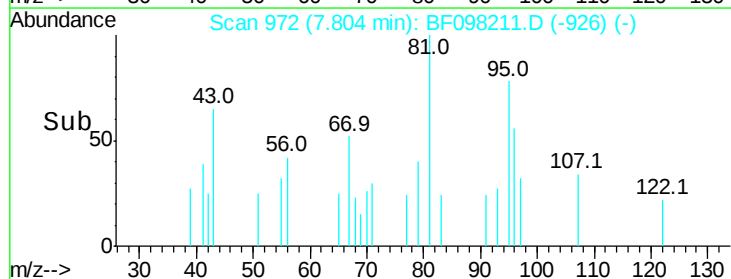
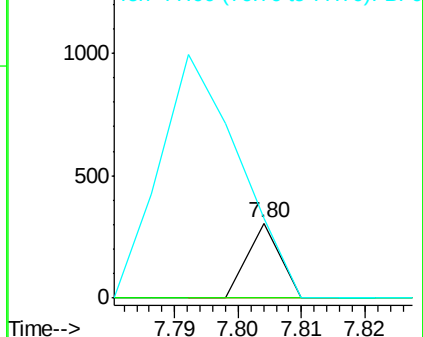
122 100

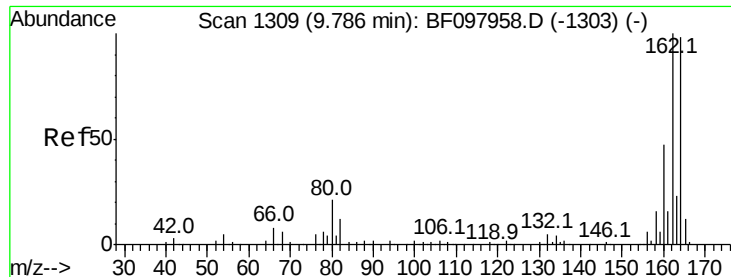
105 0.0 103.3 143.3#

77 105.5 73.7 113.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

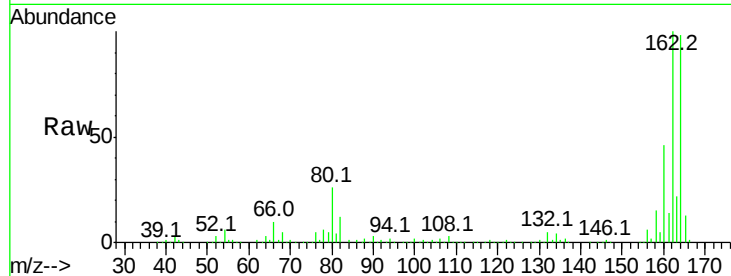




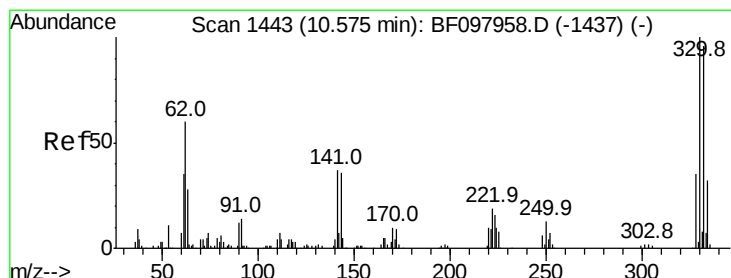
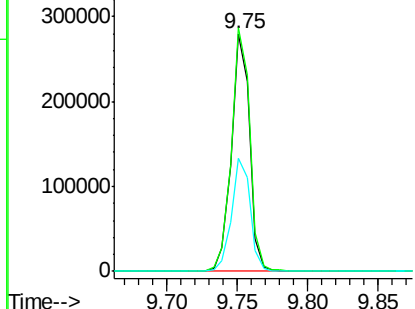
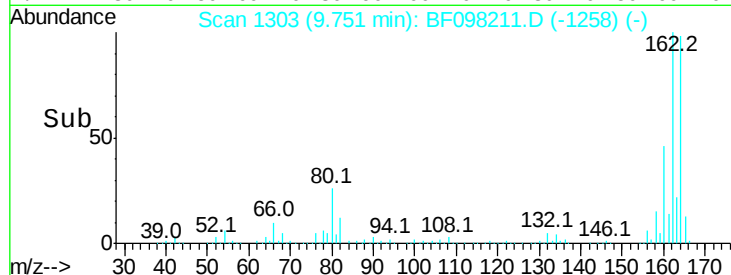
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.04 min
 Lab File: BF098211.D
 Acq: 31 Aug 2017 22:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.6	82.6	123.8
160	47.5	36.2	54.2

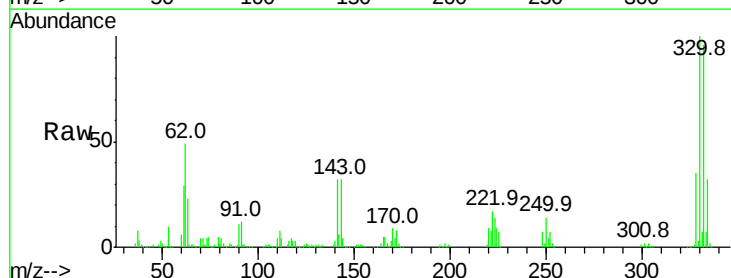


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

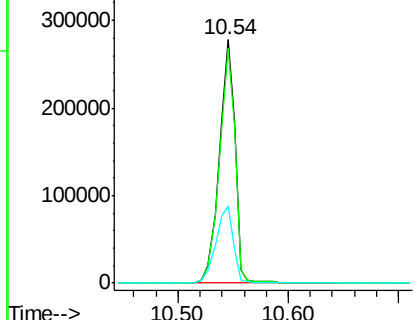
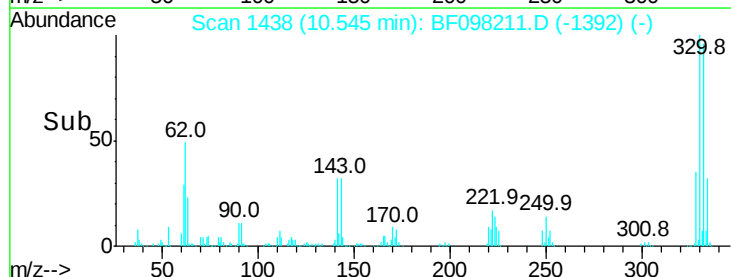


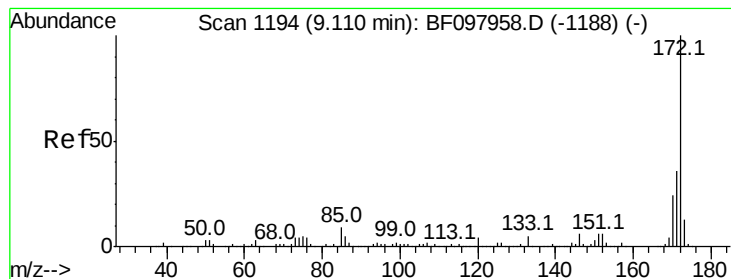
#41
 2,4,6-Tribromophenol
 Concen: 127.305 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.03 min
 Lab File: BF098211.D
 Acq: 31 Aug 2017 22:59

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	115.0
141	34.9	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: 76.579 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.03 min

Lab File: BF098211.D

Acq: 31 Aug 2017 22:59

Instrument :

BNA_F

ClientSampleId :

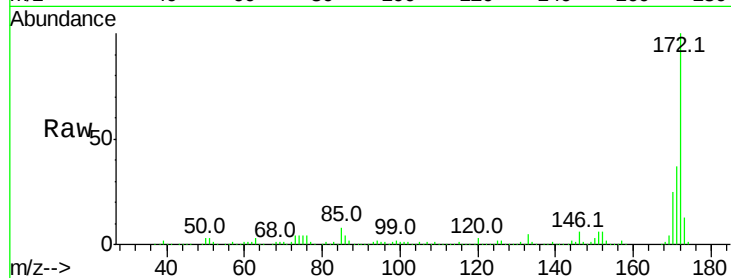
Tot Ion:172 Resp: 1303885

Ion Ratio Lower Upper

172 100

171 36.6 29.6 44.4

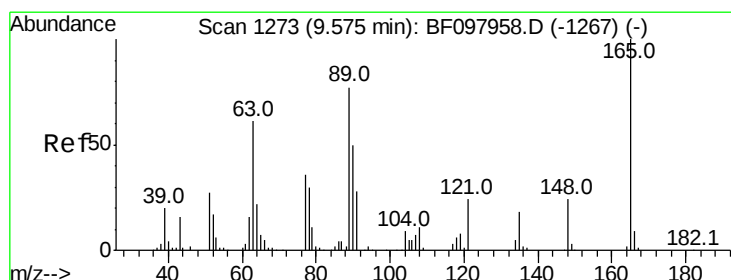
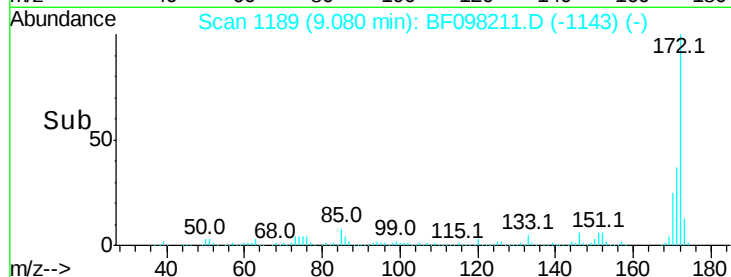
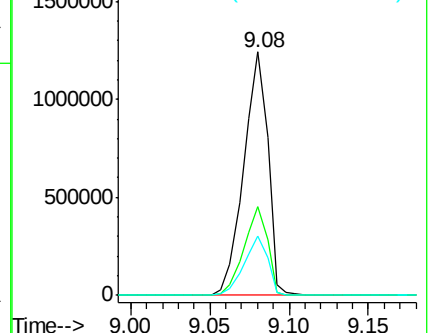
170 24.5 19.8 29.8



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: 8.760 ng

RT: 9.75 min Scan# 1303

Delta R.T. 0.18 min

Lab File: BF098211.D

Acq: 31 Aug 2017 22:59

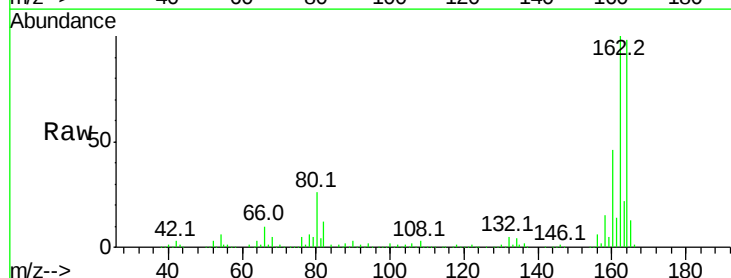
Tgt Ion:165 Resp: 31974

Ion Ratio Lower Upper

165 100

63 1.7 34.3 51.5#

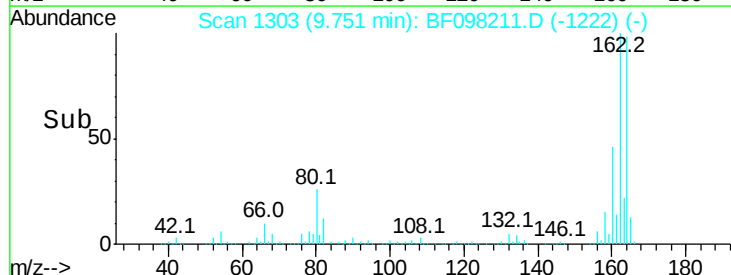
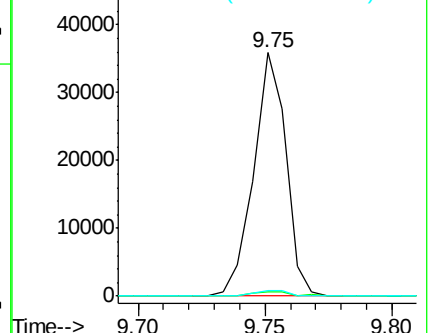
89 2.1 37.1 55.7#

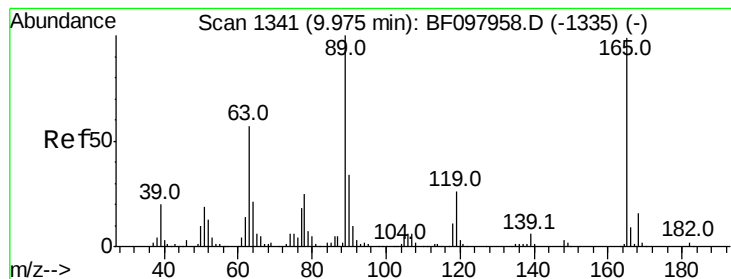


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.980 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.22 min

Lab File: BF098211.D

Acq: 31 Aug 2017 22:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 31974

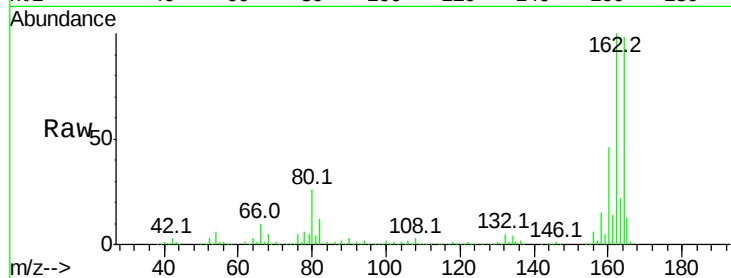
Ion Ratio Lower Upper

165 100

63 1.7 25.4 38.0#

89 2.1 46.4 69.6#

182 0.0 1.8 2.6#

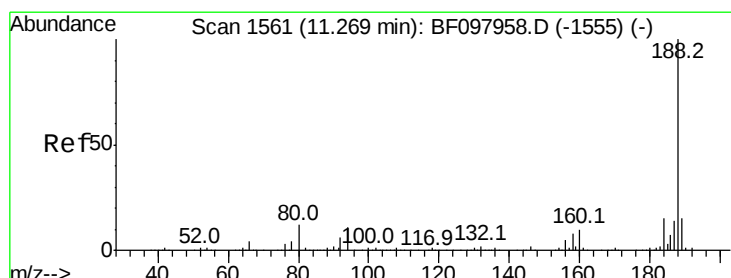
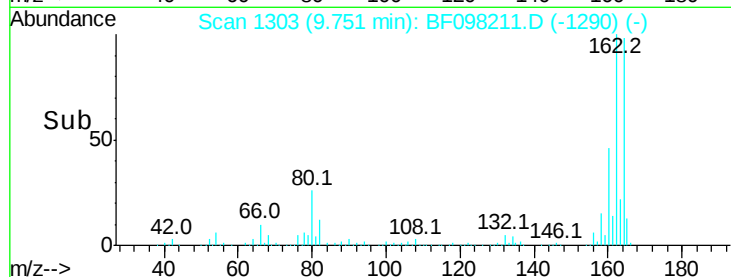
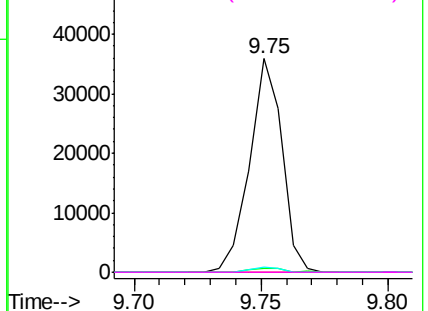


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF098211.D

Acq: 31 Aug 2017 22:59

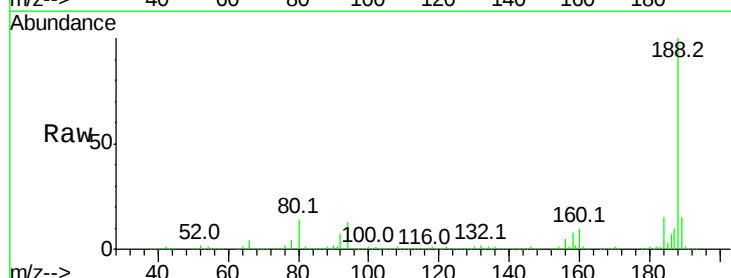
Tgt Ion:188 Resp: 487633

Ion Ratio Lower Upper

188 100

94 12.6 9.4 14.2

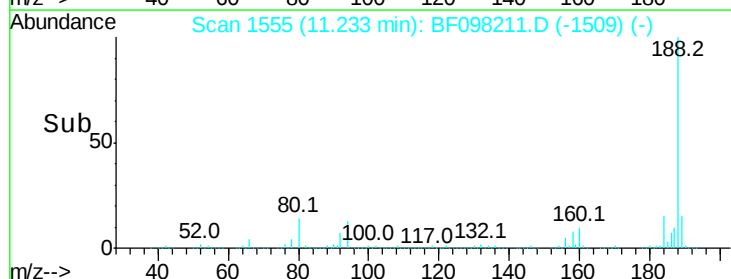
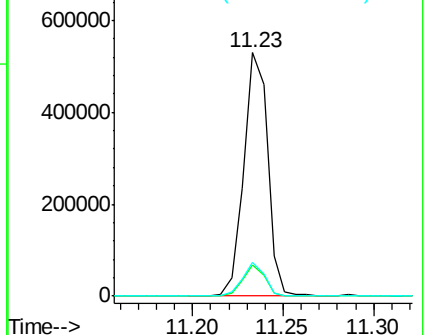
80 13.7 10.2 15.2

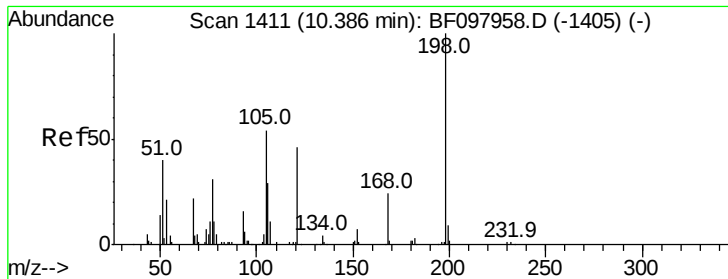


Abundance Ion 188.00 (187.70 to 188.70): E

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: 10.54 min Scan# 1437

Delta R.T. 0.16 min

Lab File: BF098211.D

Acq: 31 Aug 2017 22:59

Instrument :

BNA_F

ClientSampleId :

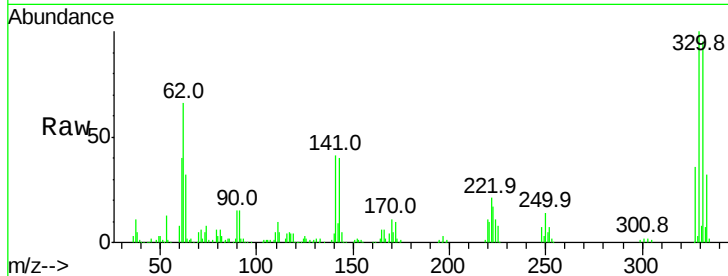
Tot Ion:198 Resp: 584

Ion Ratio Lower Upper

198 100

51 160.4 53.2 93.2#

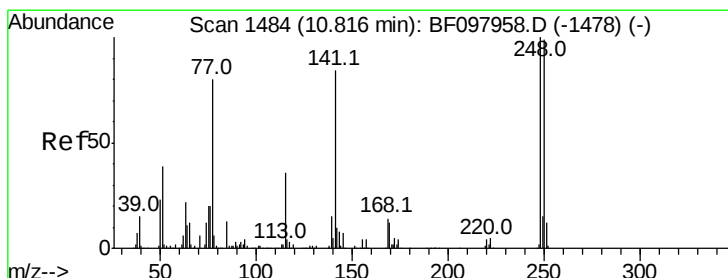
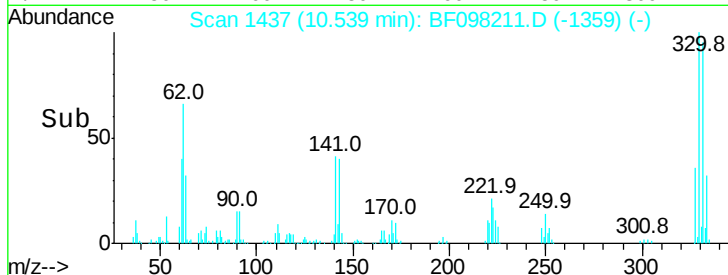
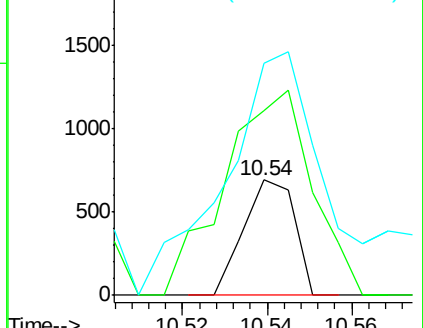
105 201.9 45.8 85.8#



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: 3.490 ng

RT: 10.54 min Scan# 1438

Delta R.T. -0.27 min

Lab File: BF098211.D

Acq: 31 Aug 2017 22:59

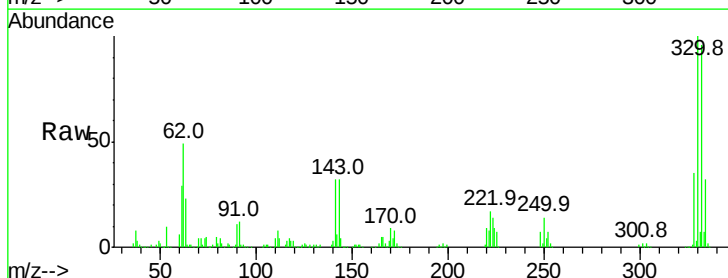
Tgt Ion:248 Resp: 17675

Ion Ratio Lower Upper

248 100

250 204.7 76.8 115.2#

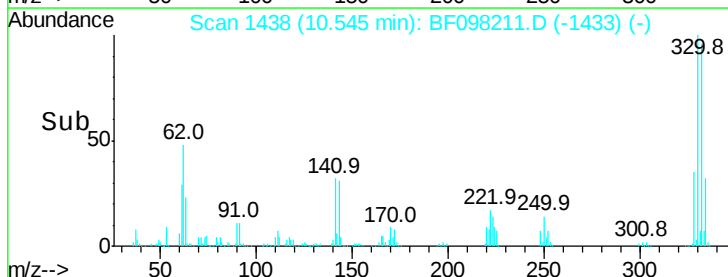
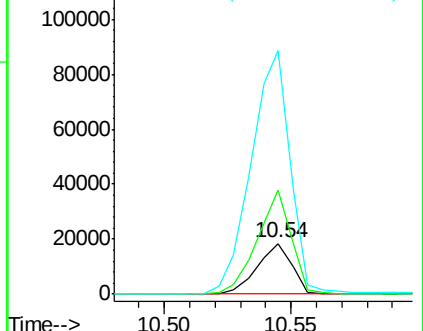
141 477.7 68.6 103.0#

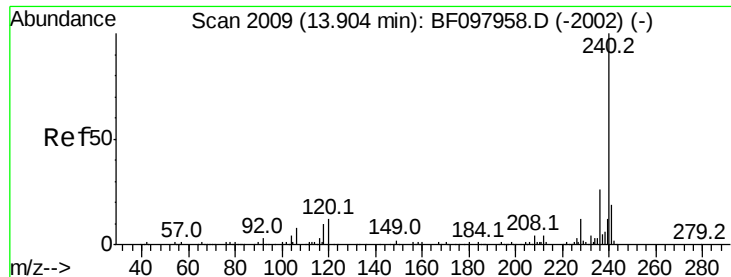


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF098211.D

Acq: 31 Aug 2017 22:59

Instrument :

BNA_F

ClientSampleId :

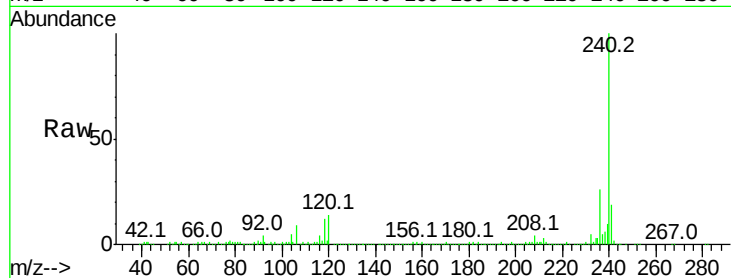
Tot Ion:240 Resp: 307338

Ion Ratio Lower Upper

240 100

120 14.0 5.8 8.8#

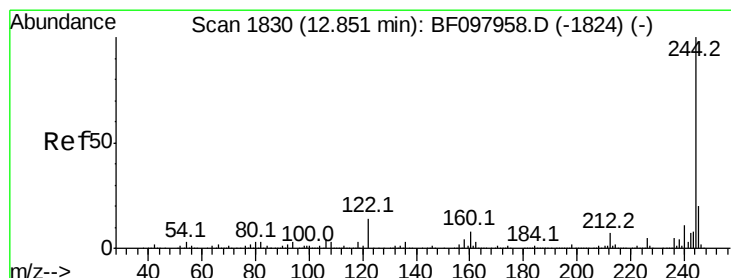
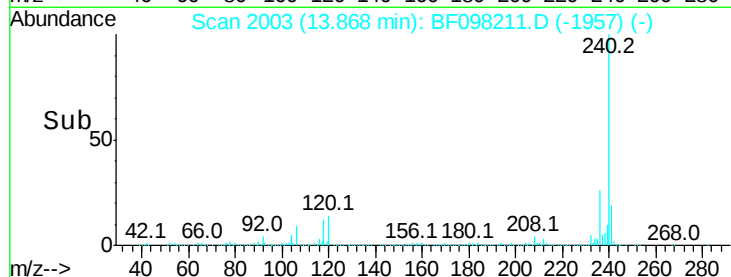
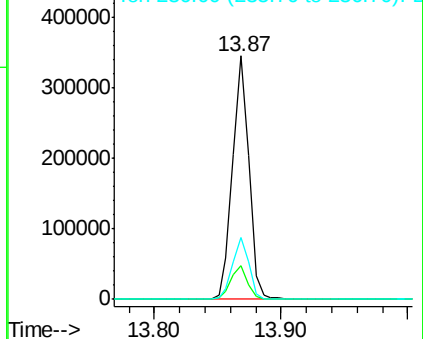
236 25.6 20.5 30.7



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: 80.277 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BF098211.D

Acq: 31 Aug 2017 22:59

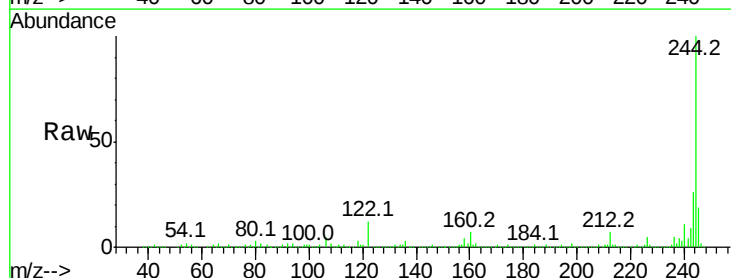
Tgt Ion:244 Resp: 1183121

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

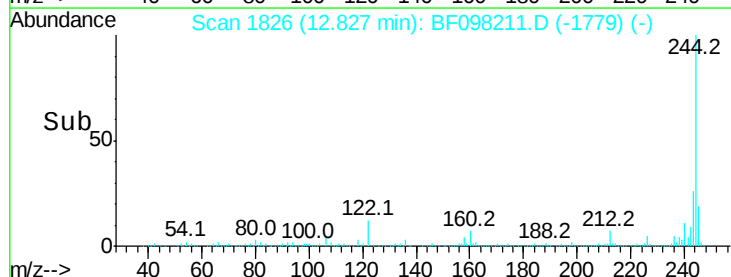
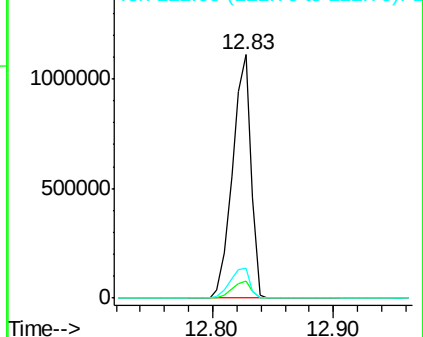
122 12.4 10.3 15.5

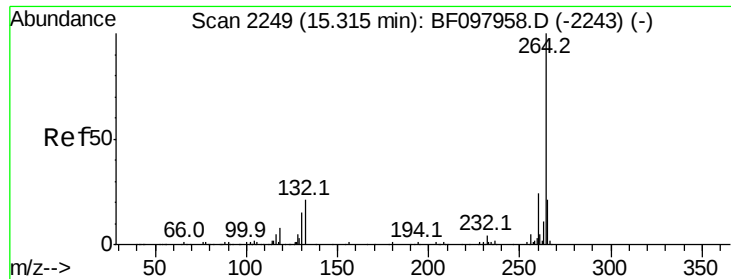


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

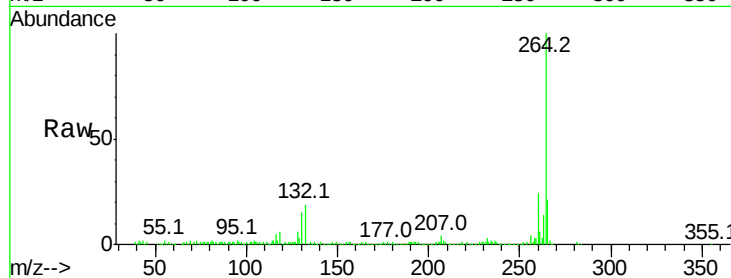




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. -0.02 min
Lab File: BF098211.D
Acq: 31 Aug 2017 22:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	21.2	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

