

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
 Data File : BF098143.D
 Acq On : 30 Aug 2017 7:34
 Operator : SJ/JU
 Sample : I4988-15
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 30 08:15:58 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

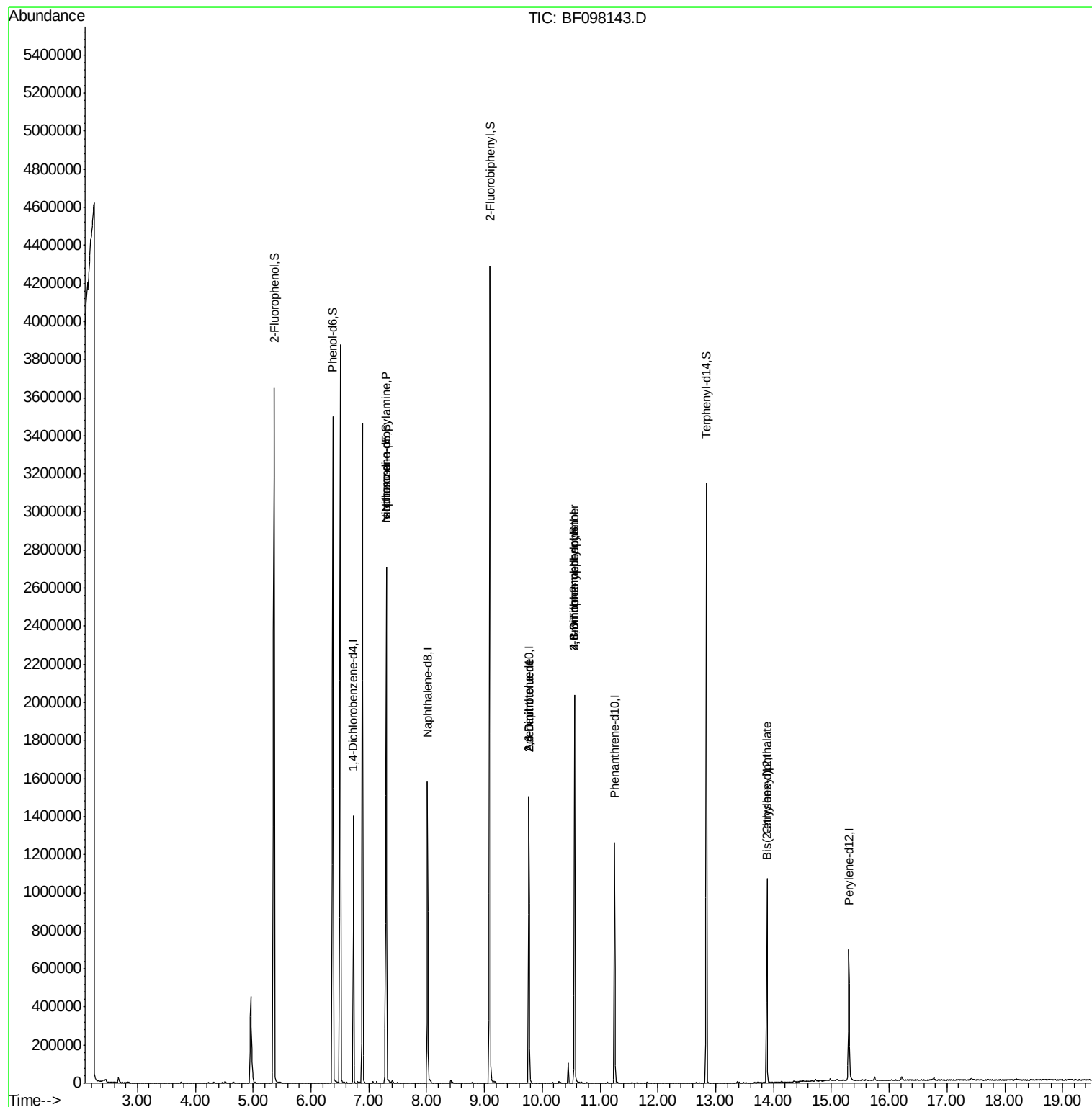
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	179532	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	709688	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	281515	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	423134	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	363276	20.00	ng	-0.01
86) Perylene-d12	15.30	264	300504	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1270792	107.67	ng	0.01
7) Phenol-d6	6.38	99	1595741	99.50	ng	0.00
23) Nitrobenzene-d5	7.30	82	1156294	88.51	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	269185	110.20	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1598444	83.42	ng	-0.01
78) Terphenyl-d14	12.84	244	1031892	59.23	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	153137	13.949	ng	# 72
25) Isophorone	7.30	82	1142604	42.062	ng	# 67
50) 2,6-Dinitrotoluene	9.77	165	36085	8.785	ng	# 34
56) 2,4-Dinitrotoluene	9.77	165	36085	7.000	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.56	198	537	8.543	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	17280	3.933	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.87	149	31687	2.510	ng	98

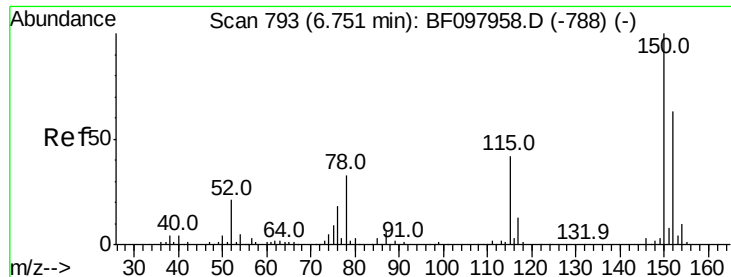
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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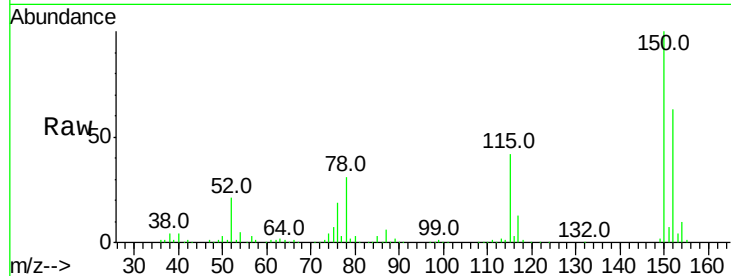


#1

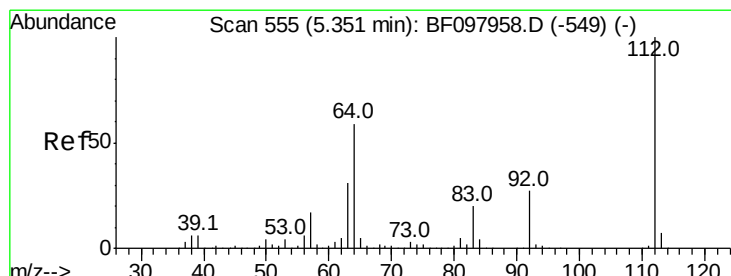
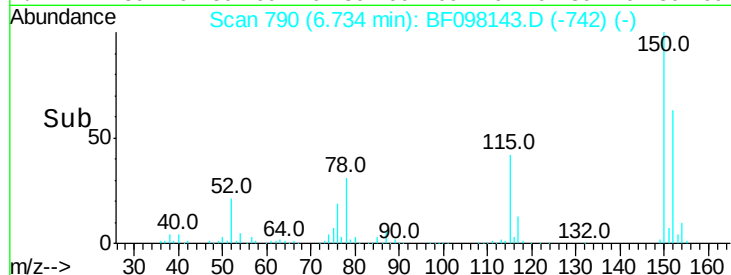
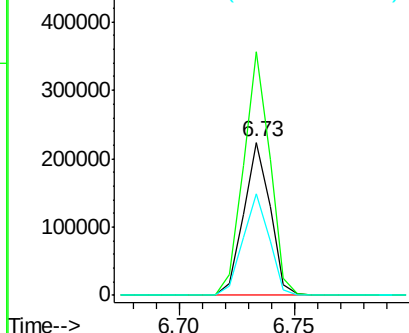
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 790
 Delta R.T. -0.02 min
 Lab File: BF098143.D
 Acq: 30 Aug 2017 7:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 179532
 Ion Ratio Lower Upper
 152 100
 150 159.2 126.2 189.2
 115 66.7 52.2 78.2



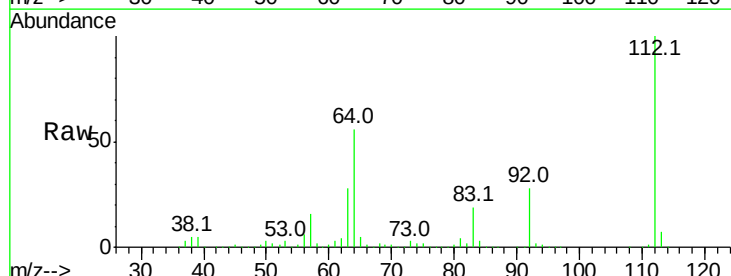
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



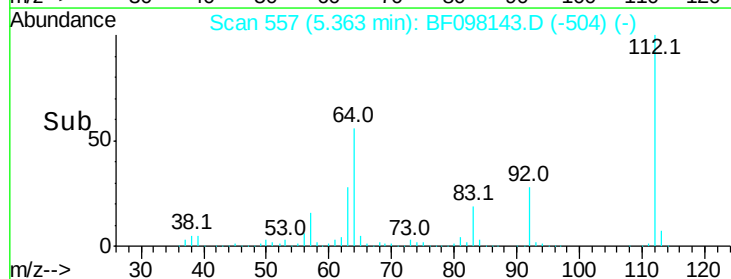
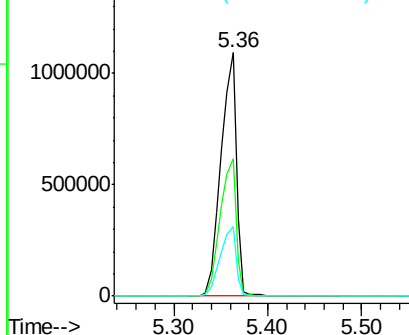
#5

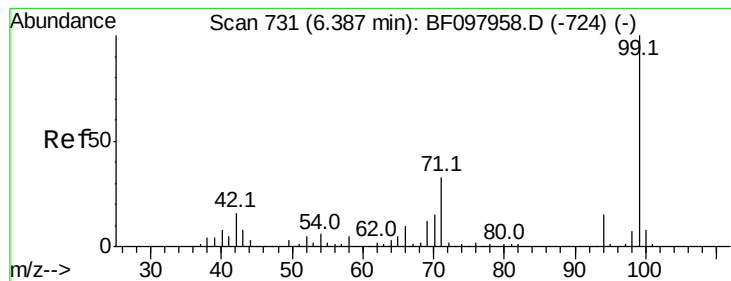
2-Fluorophenol
 Concen: 107.667 ng
 RT: 5.36 min Scan# 557
 Delta R.T. 0.01 min
 Lab File: BF098143.D
 Acq: 30 Aug 2017 7:34

Tgt Ion:112 Resp: 1270792
 Ion Ratio Lower Upper
 112 100
 64 56.3 46.0 69.0
 63 28.4 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: 99.505 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF098143.D

Acq: 30 Aug 2017 7:34

Instrument :

BNA_F

ClientSampleId :

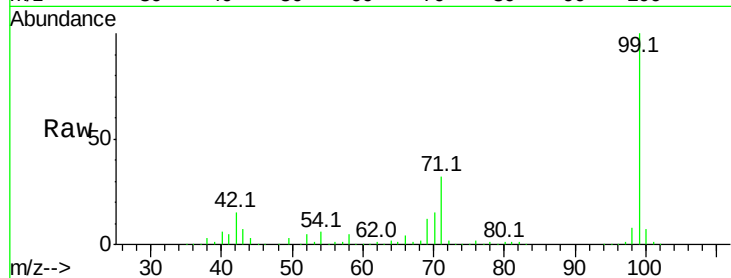
Tot Ion: 99 Resp: 1595741

Ion Ratio Lower Upper

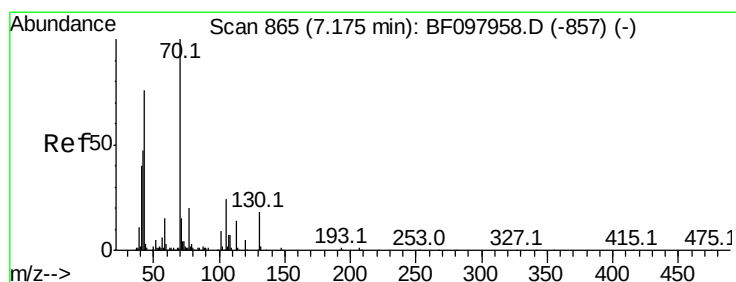
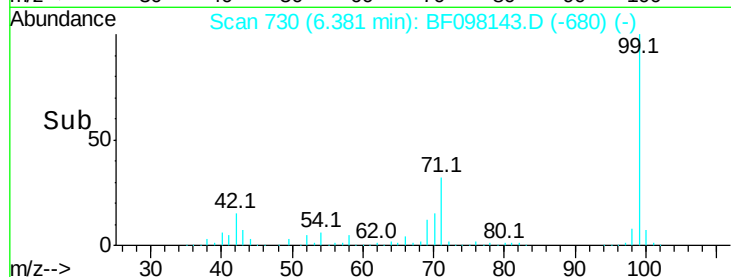
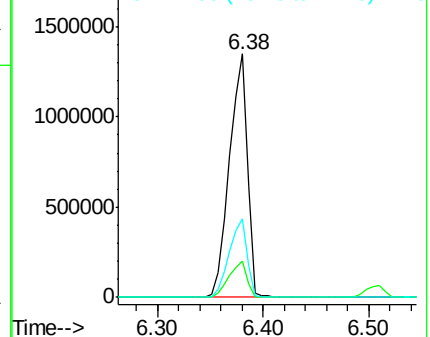
99 100

42 15.0 13.5 20.3

71 32.4 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.949 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.13 min

Lab File: BF098143.D

Acq: 30 Aug 2017 7:34

Tgt Ion: 70 Resp: 153137

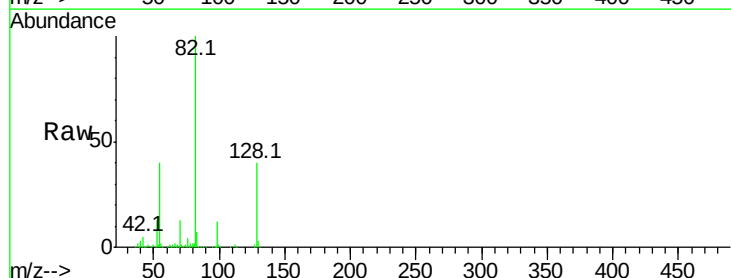
Ion Ratio Lower Upper

70 100

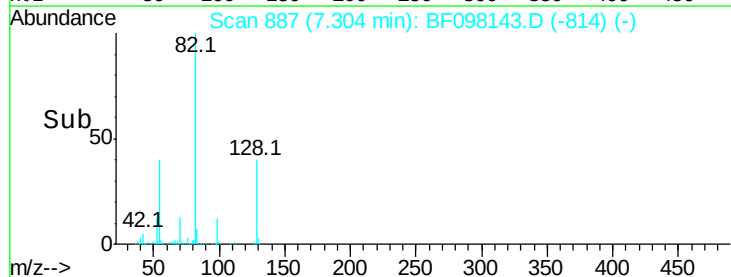
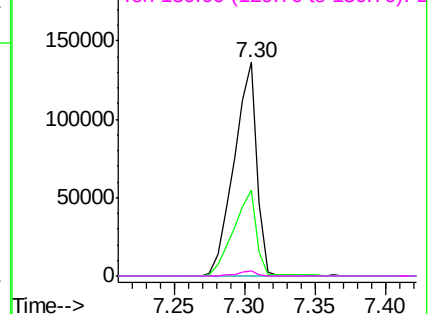
42 40.3 47.2 70.8#

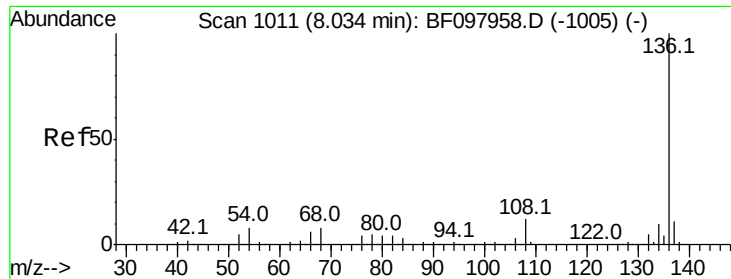
101 0.0 7.2 10.8#

130 2.3 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

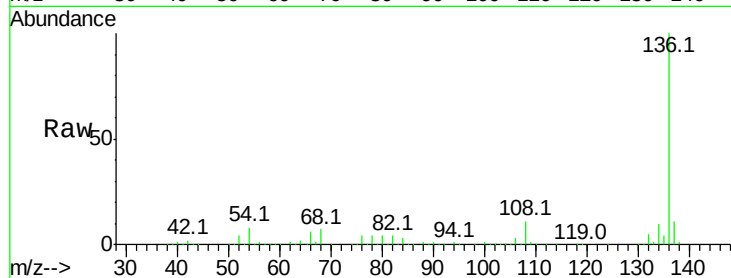




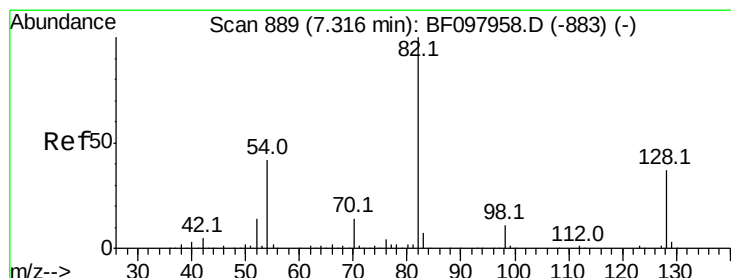
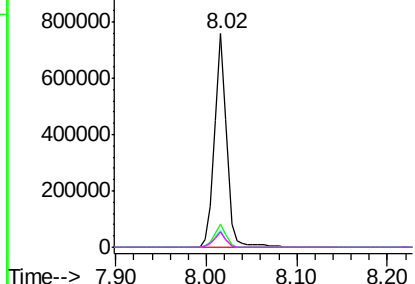
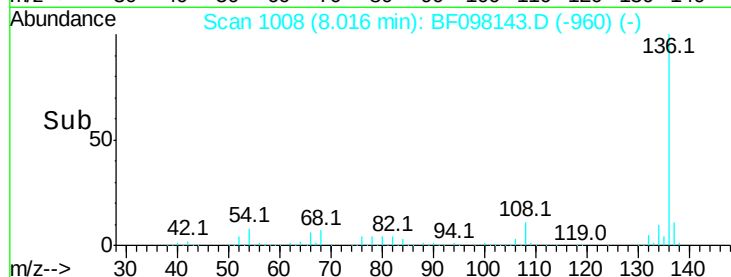
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BF098143.D
Acq: 30 Aug 2017 7:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	709688
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	7.5	4.9	7.3#
68	7.4	4.1	6.1#

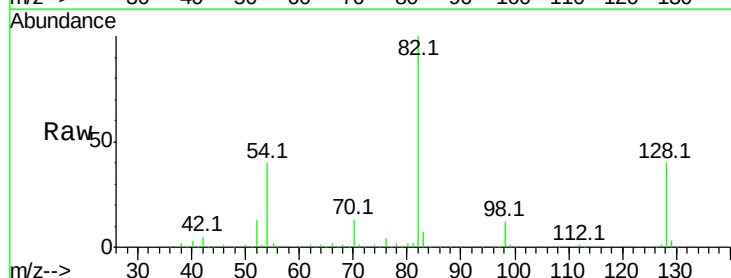


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

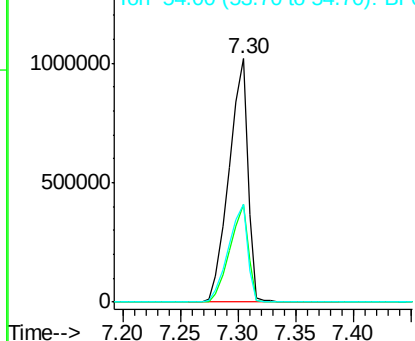
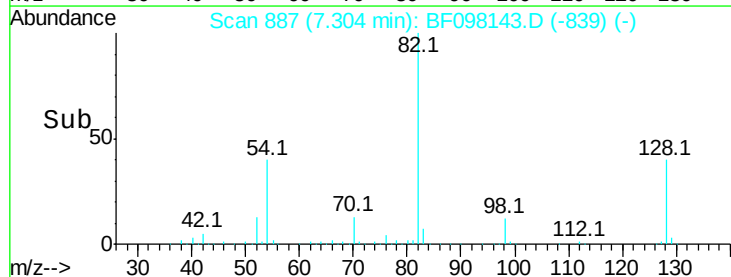


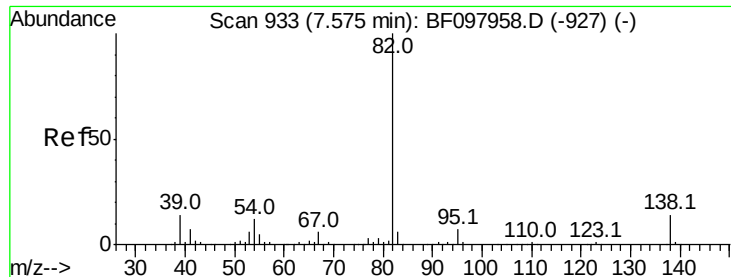
#23
Nitrobenzene-d5
Concen: 88.511 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF098143.D
Acq: 30 Aug 2017 7:34

Tgt Ion:	82	Resp:	1156294
Ion	Ratio	Lower	Upper
82	100		
128	40.4	34.0	51.0
54	40.1	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: 42.062 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.28 min

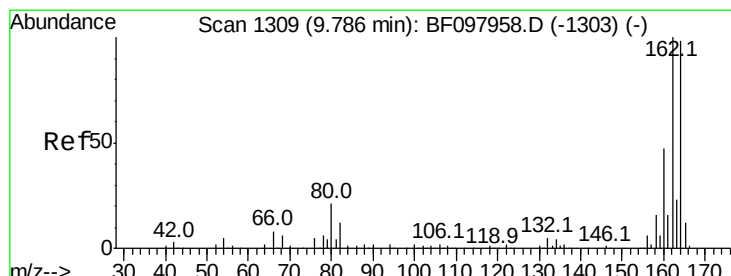
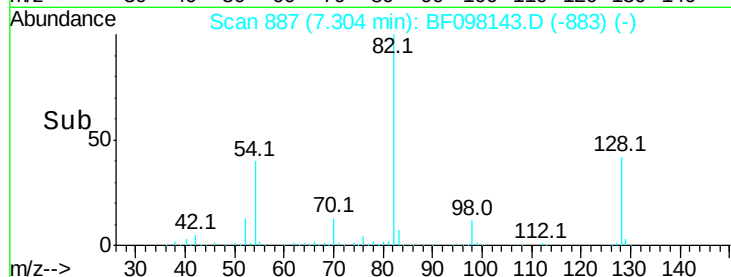
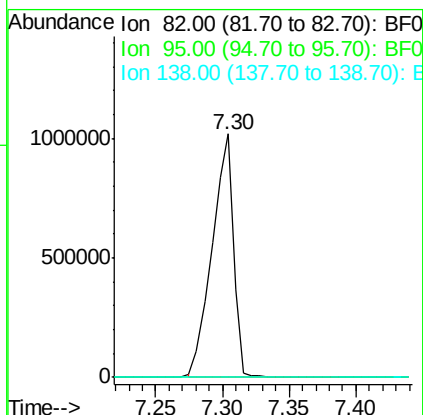
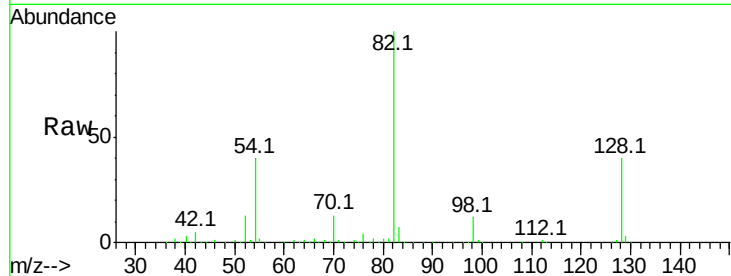
Lab File: BF098143.D

Acq: 30 Aug 2017 7:34

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 1142604

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: 9.77 min Scan# 1306

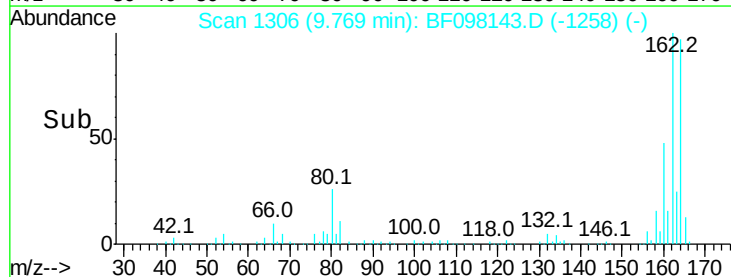
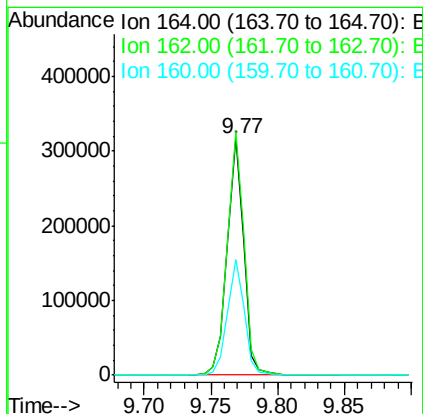
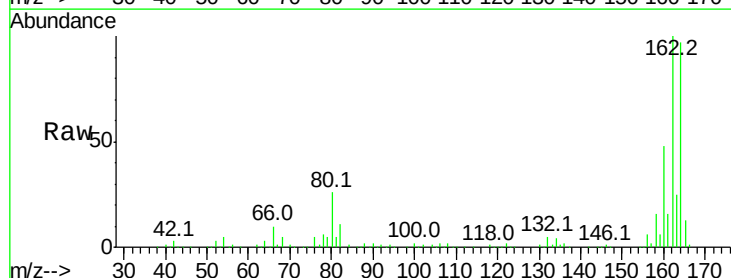
Delta R.T. -0.02 min

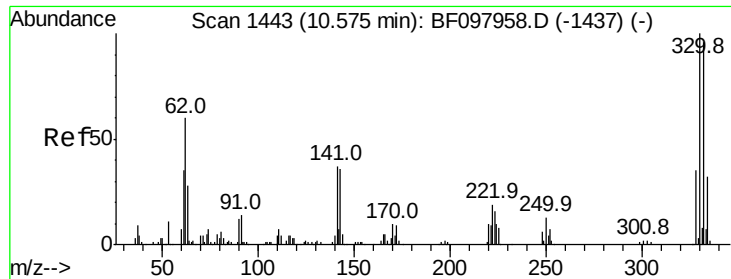
Lab File: BF098143.D

Acq: 30 Aug 2017 7:34

Tgt Ion:164 Resp: 281515

Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.6	123.8
160	48.8	36.2	54.2

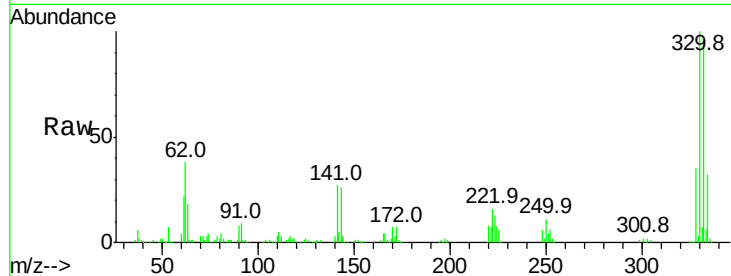




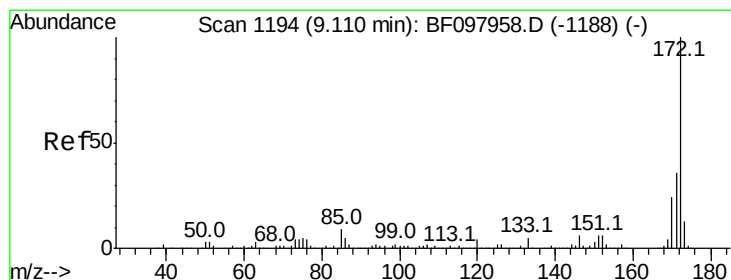
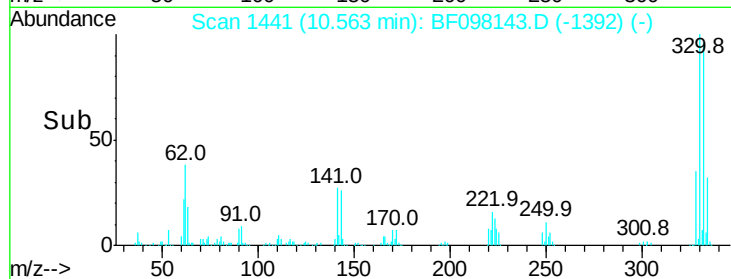
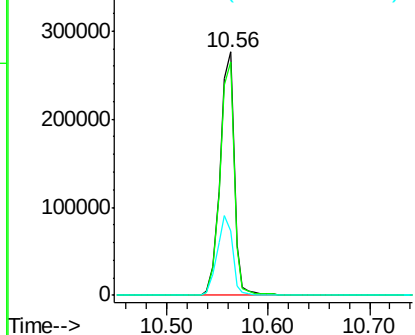
#41
 2,4,6-Tribromophenol
 Concen: 110.204 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098143.D
 Acq: 30 Aug 2017 7:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.6	115.0
141	35.7	31.4	47.2

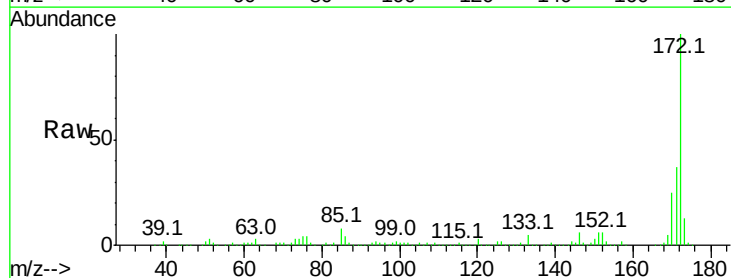


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

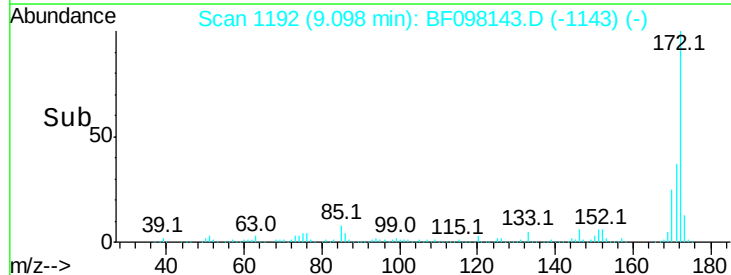
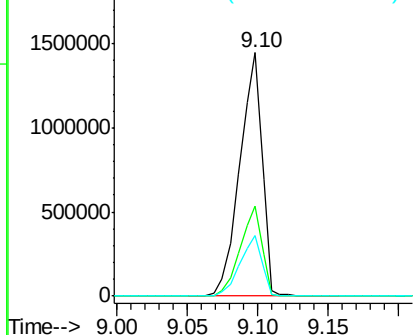


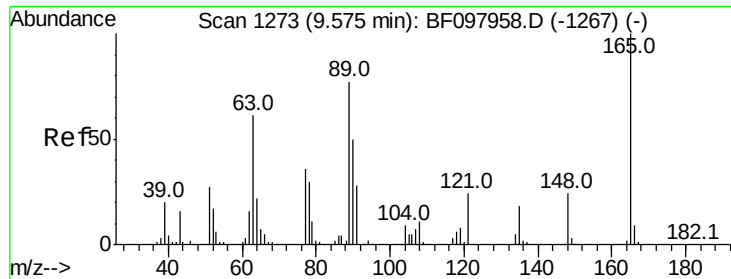
#44
 2-Fluorobiphenyl
 Concen: 83.422 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF098143.D
 Acq: 30 Aug 2017 7:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.6	44.4
170	24.7	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: 8.785 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.19 min

Lab File: BF098143.D

Acq: 30 Aug 2017 7:34

Instrument :

BNA_F

ClientSampleId :

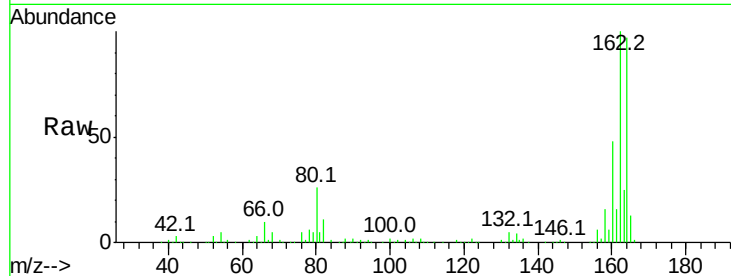
Tot Ion:165 Resp: 36085

Ion Ratio Lower Upper

165 100

63 1.5 34.3 51.5#

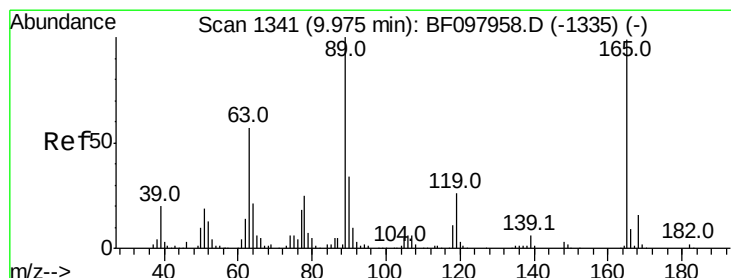
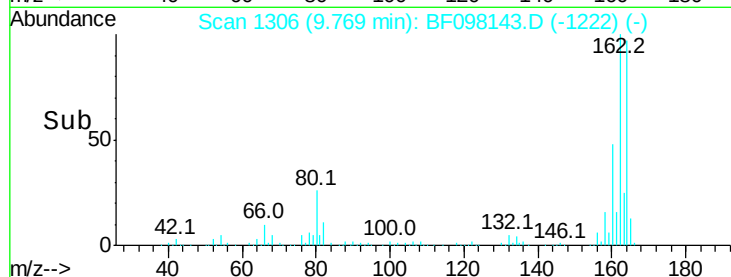
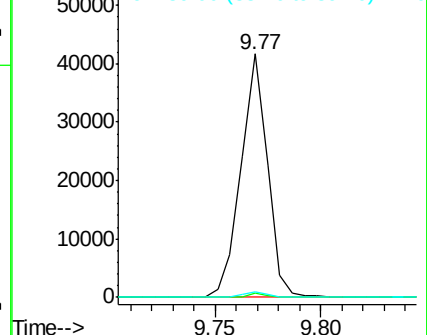
89 2.1 37.1 55.7#



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: 7.000 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.21 min

Lab File: BF098143.D

Acq: 30 Aug 2017 7:34

Tgt Ion:165 Resp: 36085

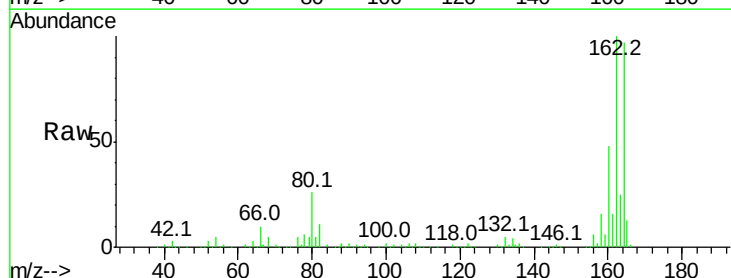
Ion Ratio Lower Upper

165 100

63 1.5 25.4 38.0#

89 2.1 46.4 69.6#

182 0.0 1.8 2.6#

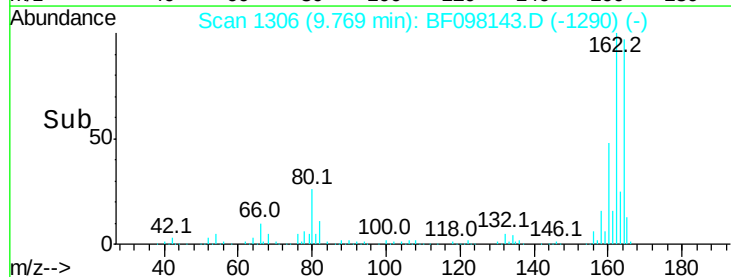
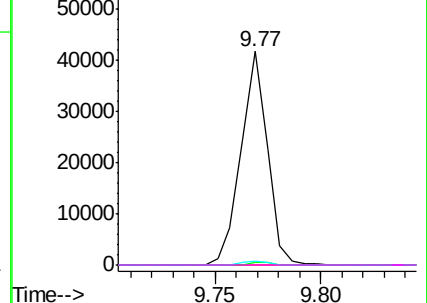


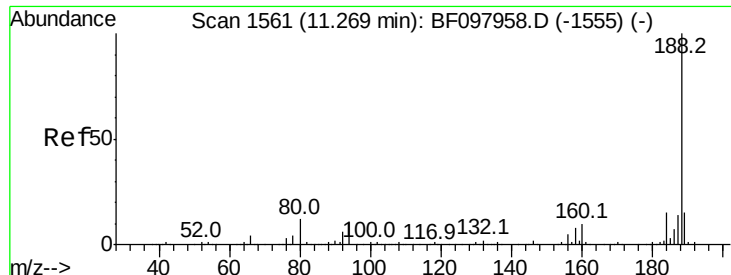
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF098143.D

Acq: 30 Aug 2017 7:34

Instrument :

BNA_F

ClientSampleId :

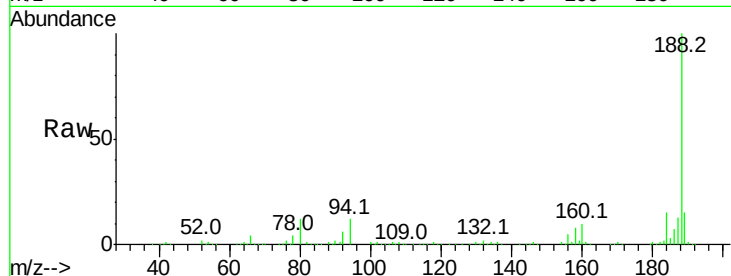
Tot Ion:188 Resp: 423134

Ion Ratio Lower Upper

188 100

94 11.7 9.4 14.2

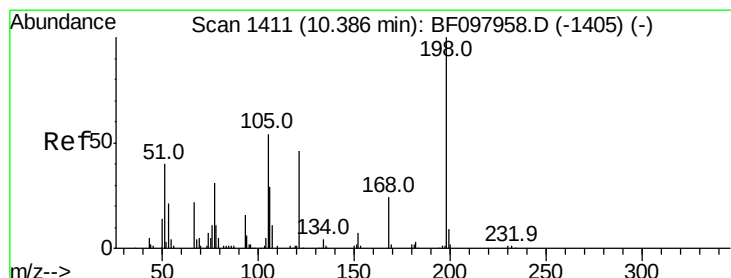
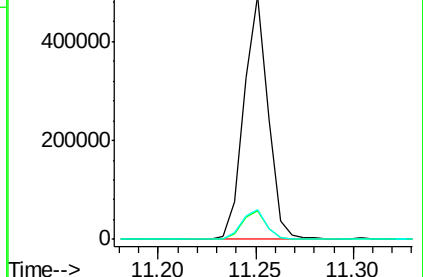
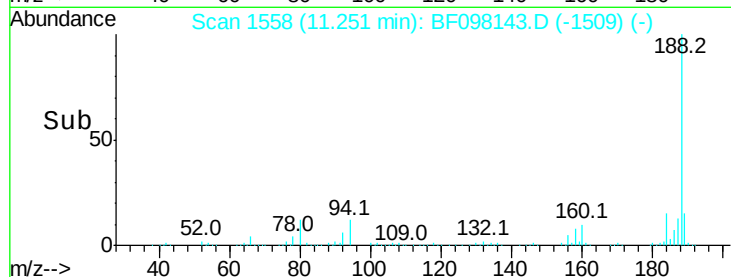
80 12.3 10.2 15.2



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: 8.543 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.18 min

Lab File: BF098143.D

Acq: 30 Aug 2017 7:34

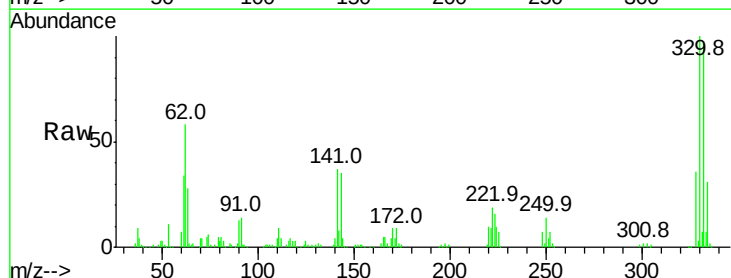
Tgt Ion:198 Resp: 537

Ion Ratio Lower Upper

198 100

51 222.8 53.2 93.2#

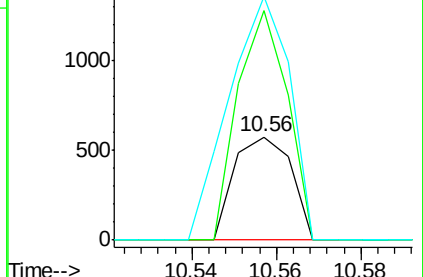
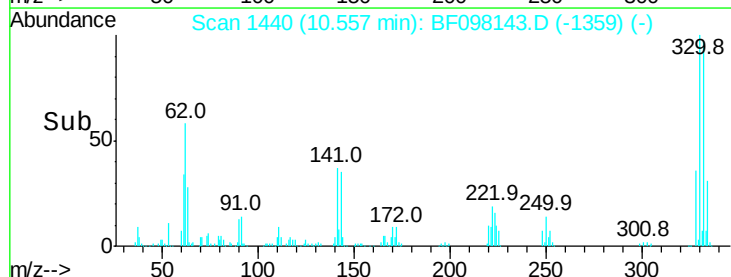
105 236.2 45.8 85.8#

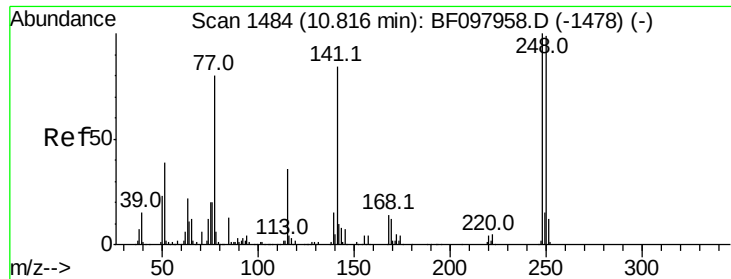


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

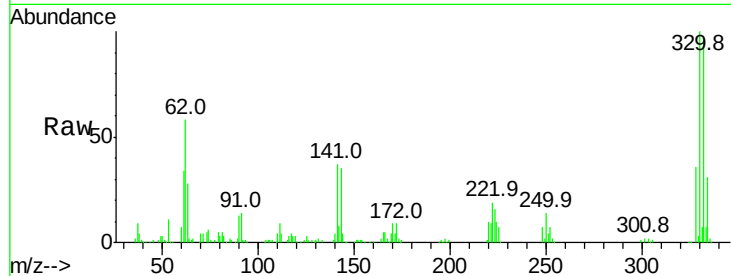




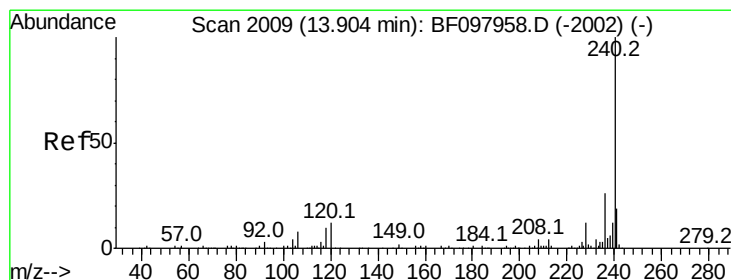
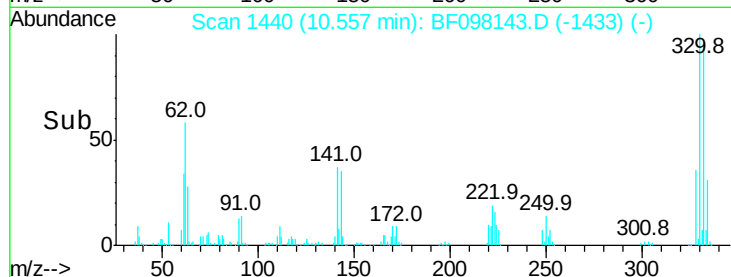
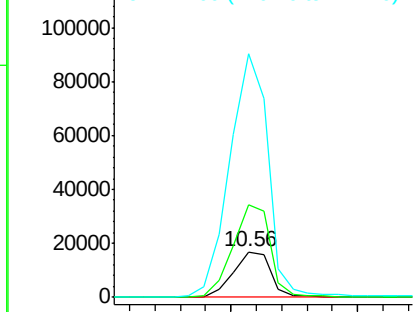
#66
4-Bromophenyl-phenylether
Concen: 3.933 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.26 min
Lab File: BF098143.D
Acq: 30 Aug 2017 7:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 17280
Ion Ratio Lower Upper
248 100
250 204.5 76.8 115.2#
141 534.3 68.6 103.0#

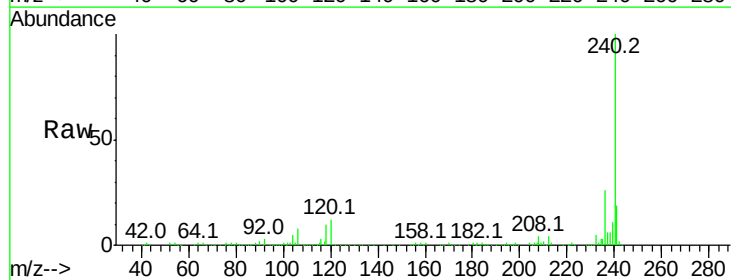


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

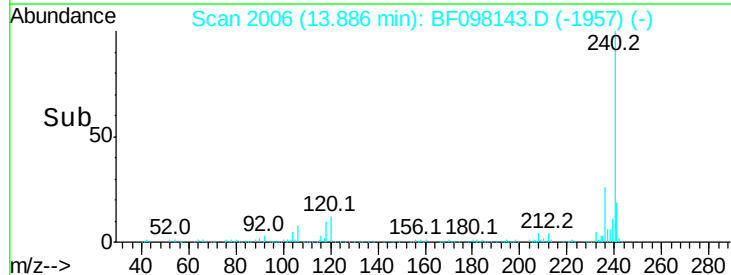
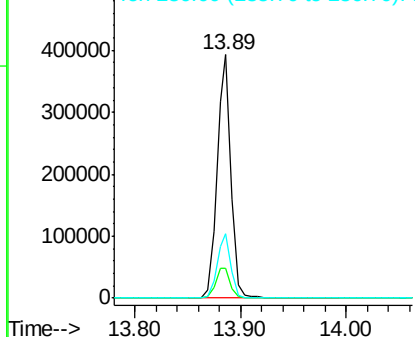


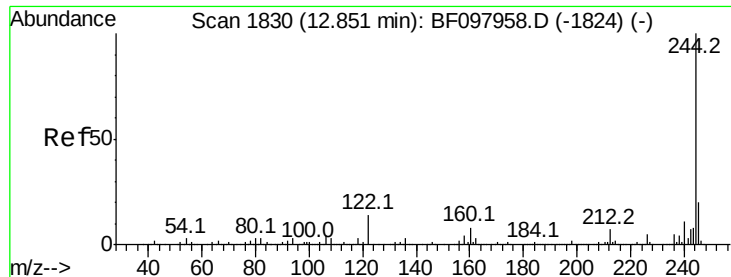
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF098143.D
Acq: 30 Aug 2017 7:34

Tgt Ion:240 Resp: 363276
Ion Ratio Lower Upper
240 100
120 12.4 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

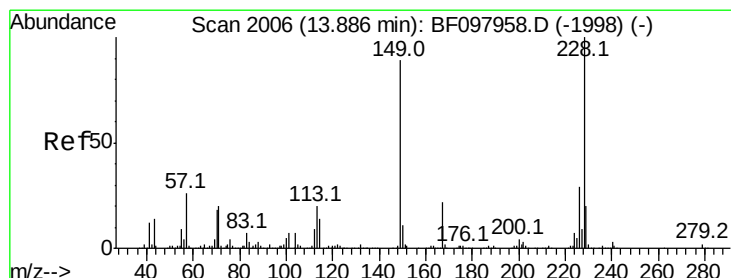
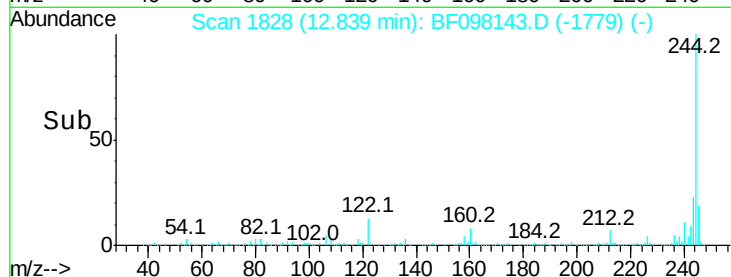
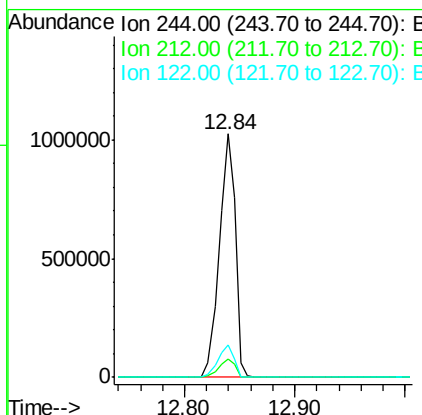
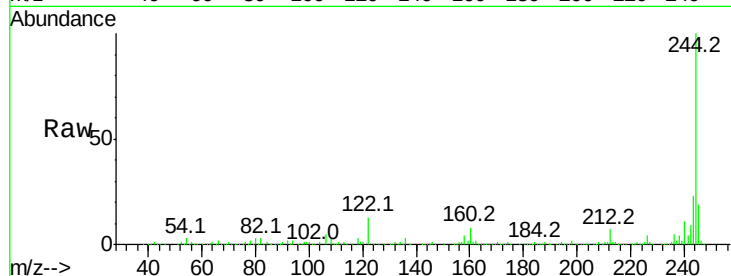




#78
 Terphenyl-d14
 Concen: 59.234 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF098143.D
 Acq: 30 Aug 2017 7:34

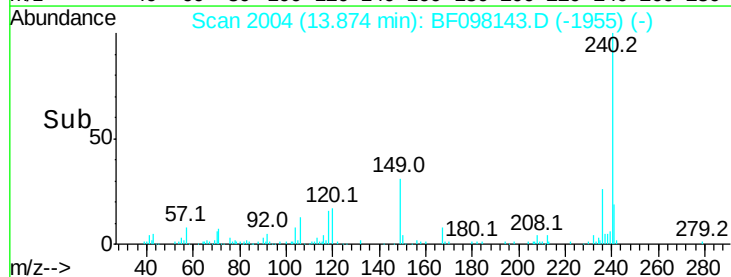
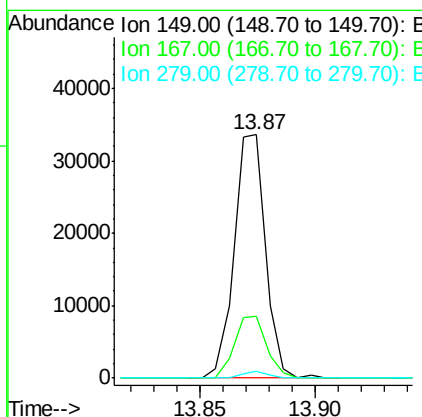
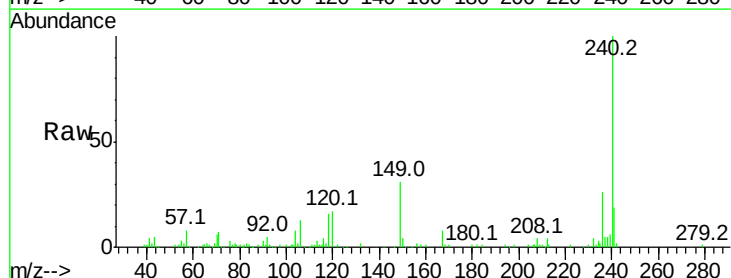
Instrument :
 BNA_F
 ClientSampled :

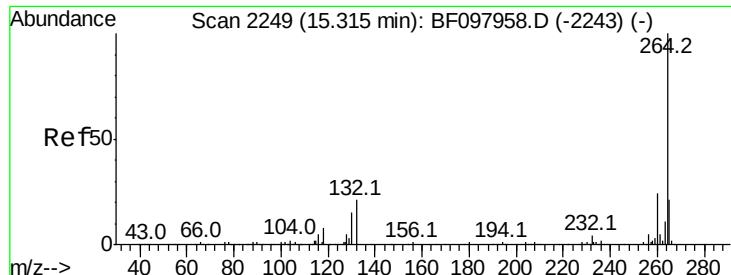
Tot Ion:244 Resp: 1031892
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 13.1 10.3 15.5



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.510 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. -0.01 min
 Lab File: BF098143.D
 Acq: 30 Aug 2017 7:34

Tgt Ion:149 Resp: 31687
 Ion Ratio Lower Upper
 149 100
 167 25.2 21.0 31.4
 279 2.5 1.9 2.9

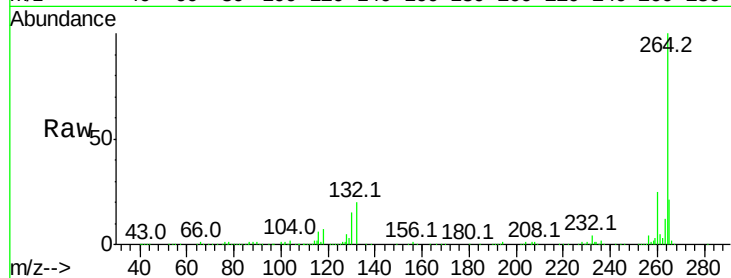




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. -0.01 min
 Lab File: BF098143.D
 Acq: 30 Aug 2017 7:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.5	29.3
265	21.0	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

