

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
 Data File : BF098110.D
 Acq On : 29 Aug 2017 14:55
 Operator : SJ/JU
 Sample : PB101845BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 30 02:57:33 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

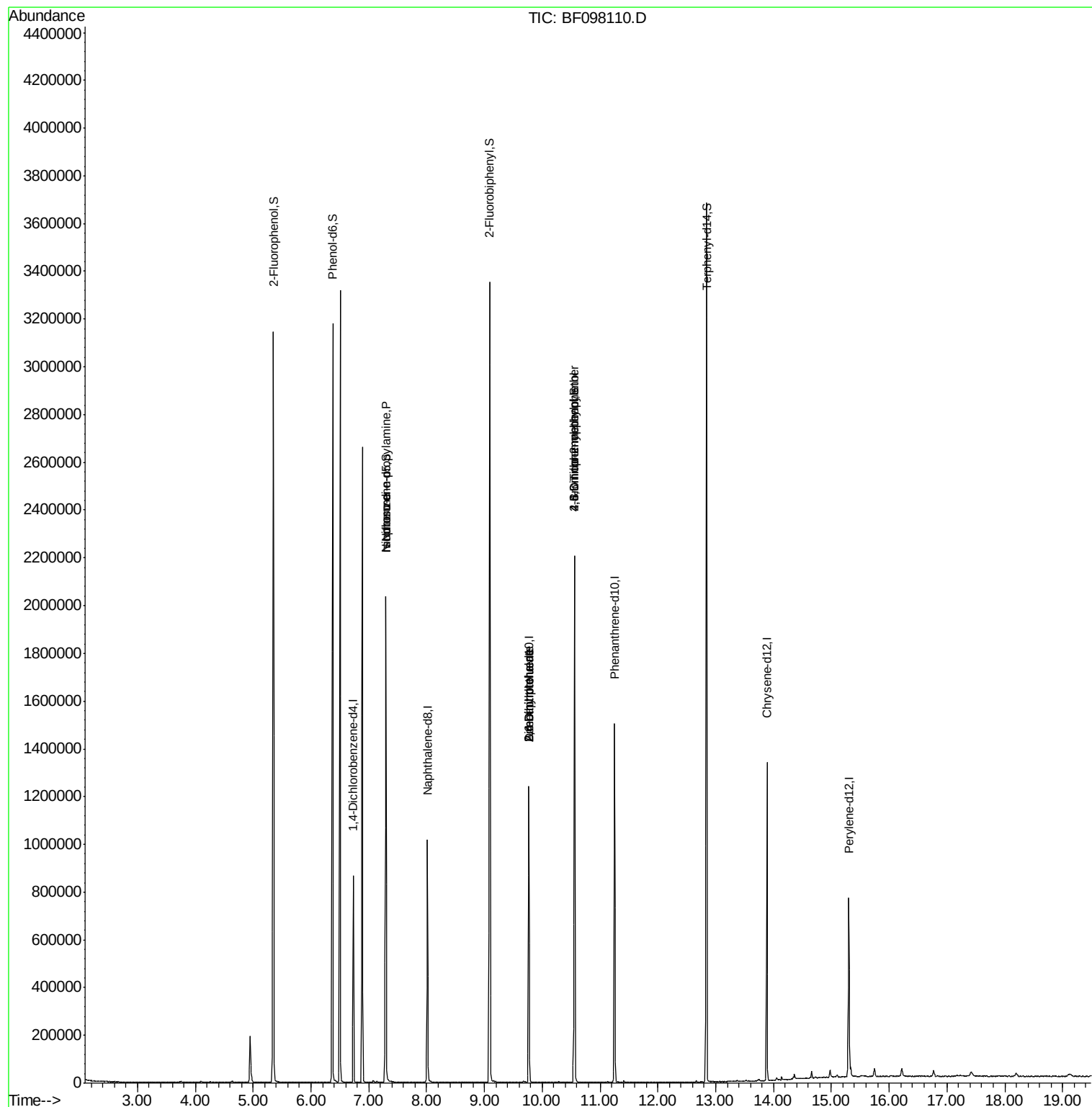
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	123356	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	502214	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	240955	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	507738	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	453788	20.00	ng	-0.01
86) Perylene-d12	15.30	264	333766	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	992013	122.32	ng	0.00
7) Phenol-d6	6.37	99	1311133	118.99	ng	-0.01
23) Nitrobenzene-d5	7.30	82	835461	90.37	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	299352	143.18	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1305438	79.60	ng	-0.02
78) Terphenyl-d14	12.84	244	1334518	61.33	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	112599	14.928	ng	# 70
25) Isophorone	7.30	82	813457	42.317	ng	# 67
49) Dimethylphthalate	9.77	163	65201	3.702	ng	# 1
50) 2,6-Dinitrotoluene	9.77	165	29895	8.503	ng	# 34
56) 2,4-Dinitrotoluene	9.77	165	29895	6.776	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.56	198	600	8.528	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	19564	3.711	ng	# 1

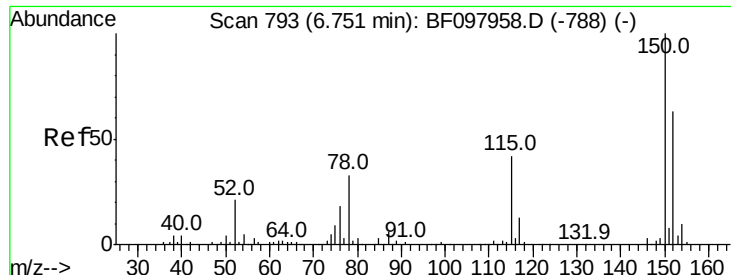
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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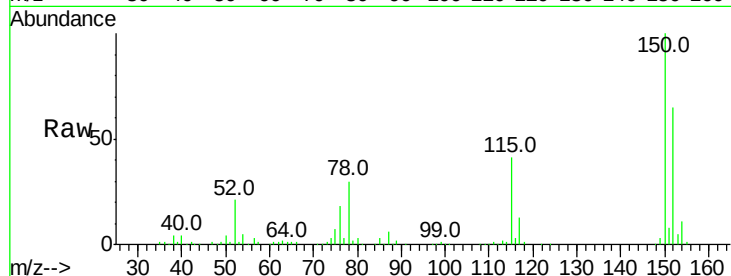


#1

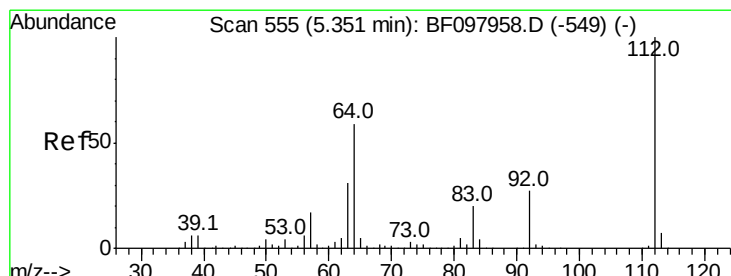
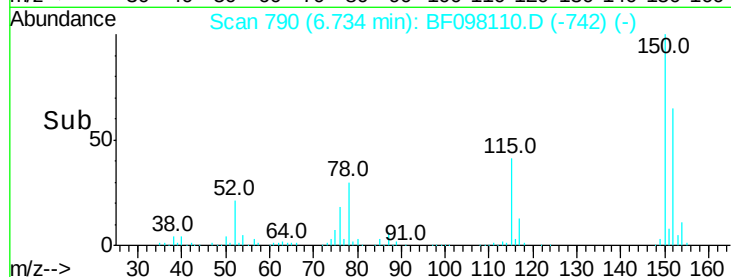
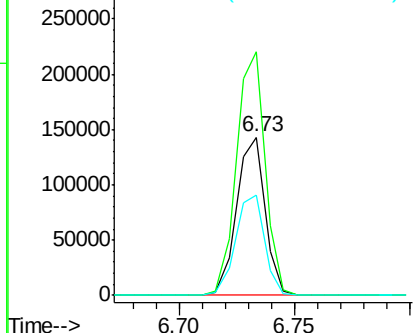
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF098110.D
Acq: 29 Aug 2017 14:55

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	126.2	189.2
115	63.1	52.2	78.2



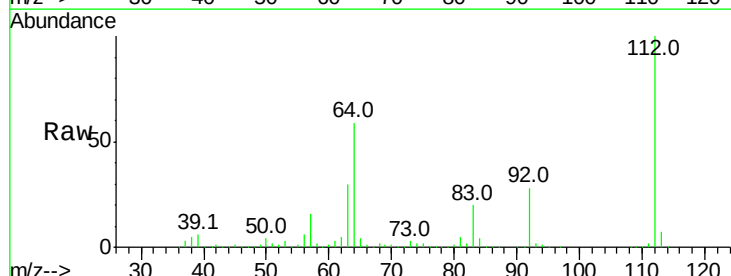
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



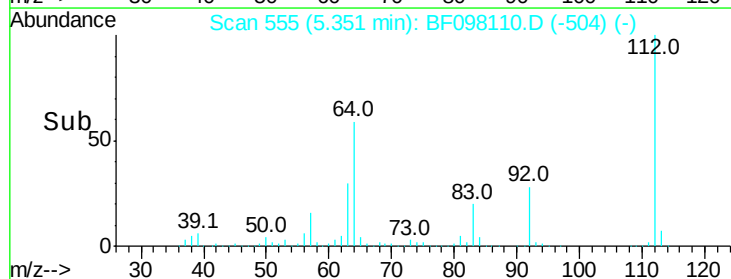
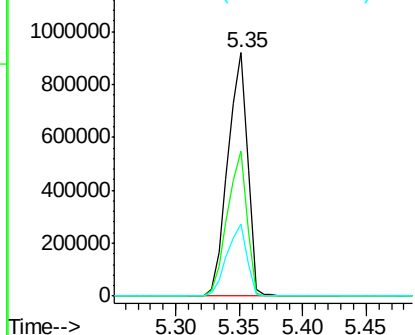
#5

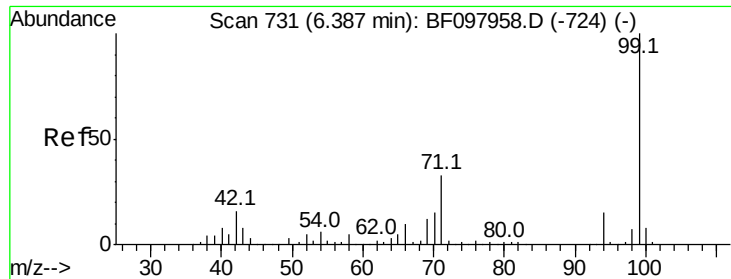
2-Fluorophenol
Concen: 122.323 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF098110.D
Acq: 29 Aug 2017 14:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	46.0	69.0
63	29.6	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: 118.990 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF098110.D

Acq: 29 Aug 2017 14:55

Instrument :

BNA_F

ClientSampleId :

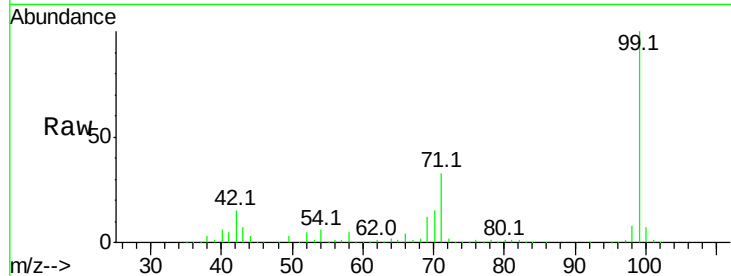
Tot Ion: 99 Resp: 1311133

Ion Ratio Lower Upper

99 100

42 15.2 13.5 20.3

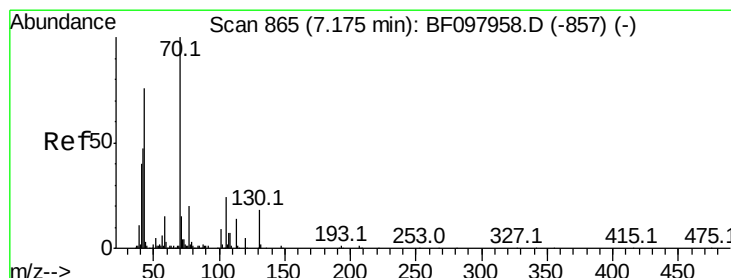
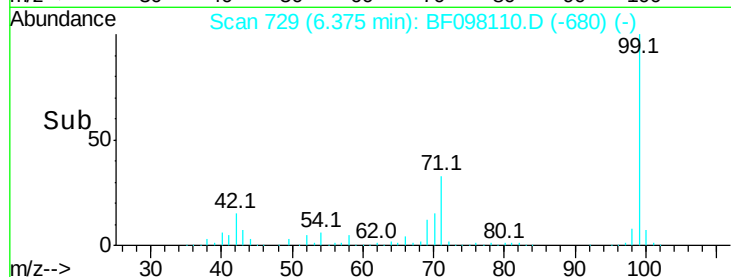
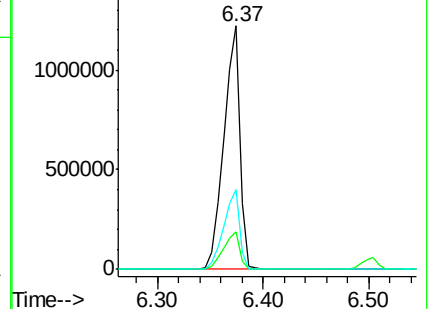
71 32.8 24.5 36.7



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: 14.928 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.12 min

Lab File: BF098110.D

Acq: 29 Aug 2017 14:55

Tgt Ion: 70 Resp: 112599

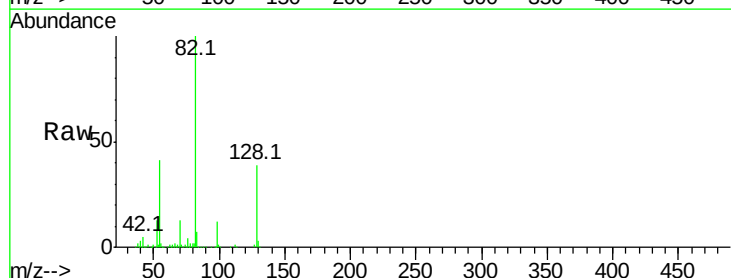
Ion Ratio Lower Upper

70 100

42 38.5 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

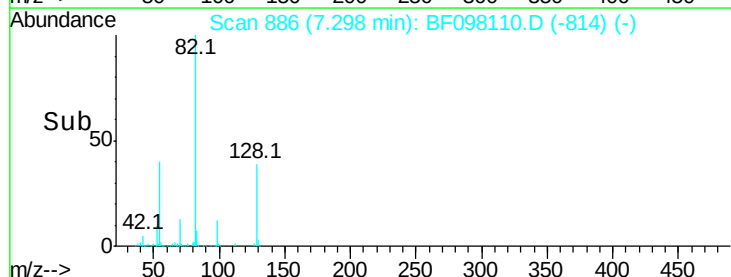
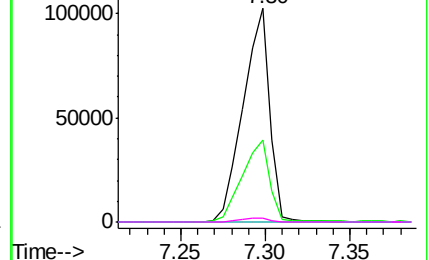


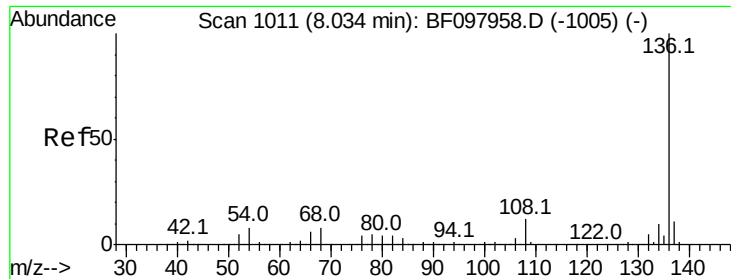
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

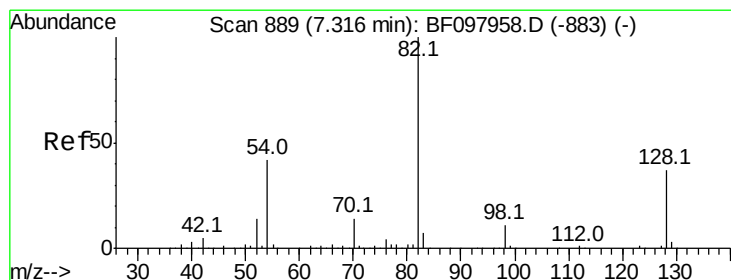
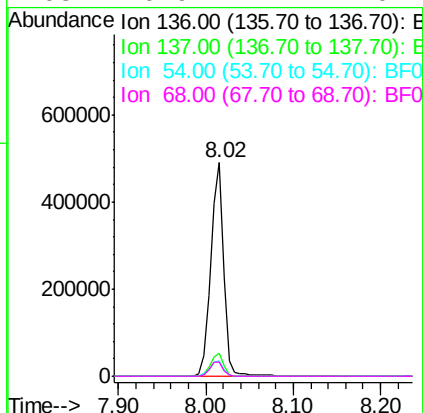
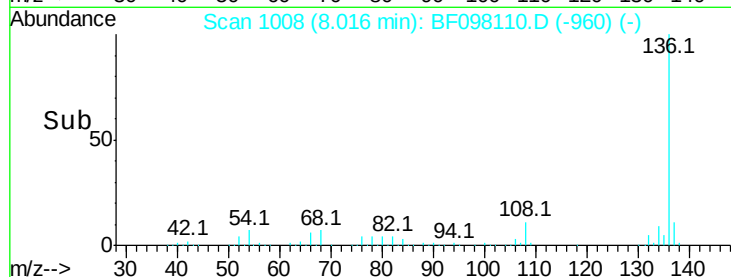
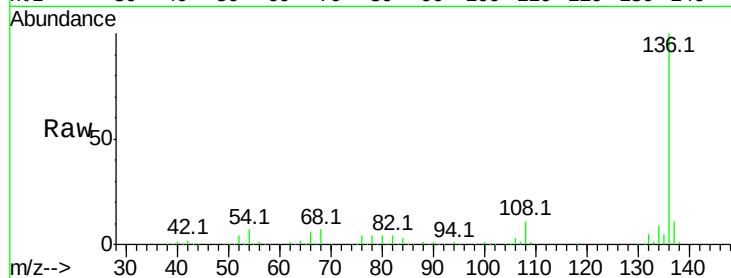




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BF098110.D
Acq: 29 Aug 2017 14:55

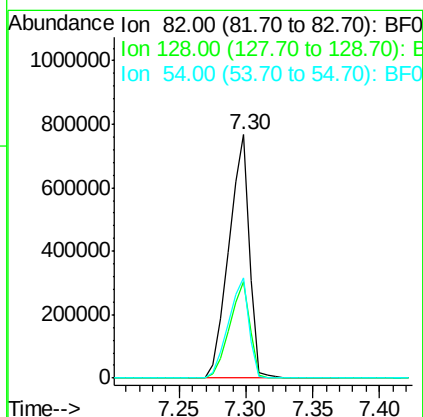
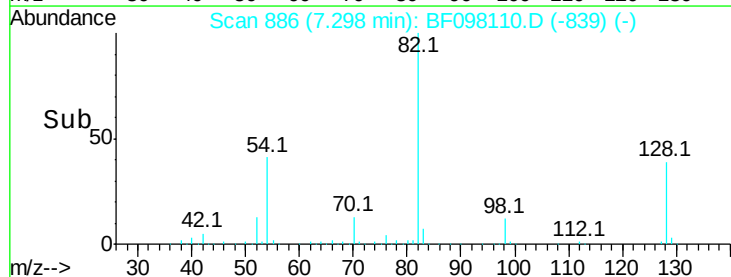
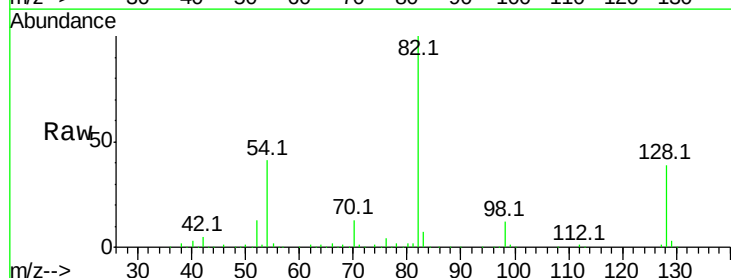
Instrument :
BNA_F
ClientSampleId :

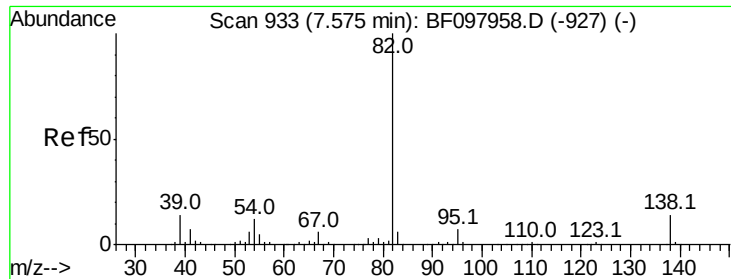
Tot Ion:	136	Resp:	502214
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	7.5	4.9	7.3#
68	6.9	4.1	6.1#



#23
Nitrobenzene-d5
Concen: 90.372 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.02 min
Lab File: BF098110.D
Acq: 29 Aug 2017 14:55

Tgt Ion:	82	Resp:	835461
Ion	Ratio	Lower	Upper
82	100		
128	39.3	34.0	51.0
54	41.1	42.2	63.2#





#25

Isophorone

Concen: 42.317 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.28 min

Lab File: BF098110.D

Acq: 29 Aug 2017 14:55

Instrument :
BNA_F
ClientSampled :

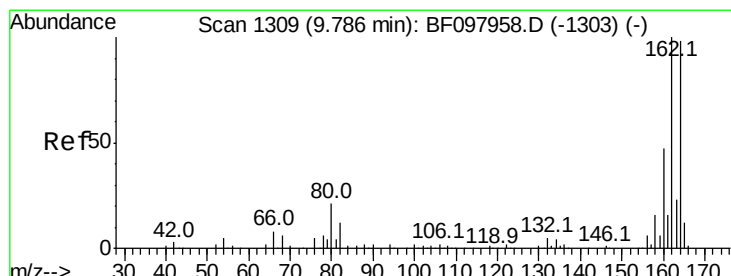
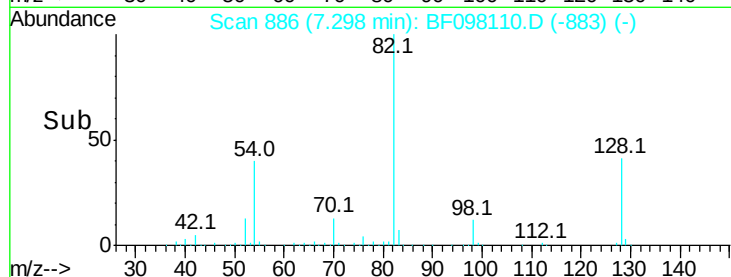
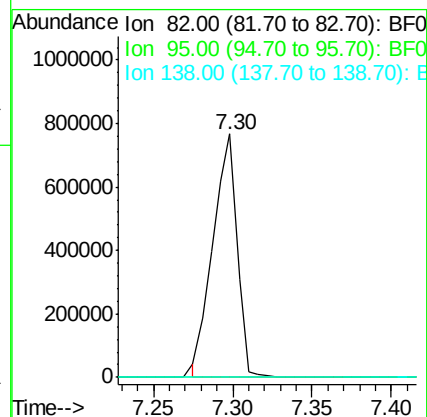
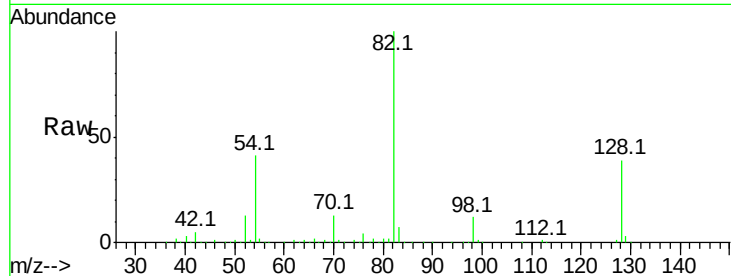
Tot Ion: 82 Resp: 813457

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: BF098110.D

Acq: 29 Aug 2017 14:55

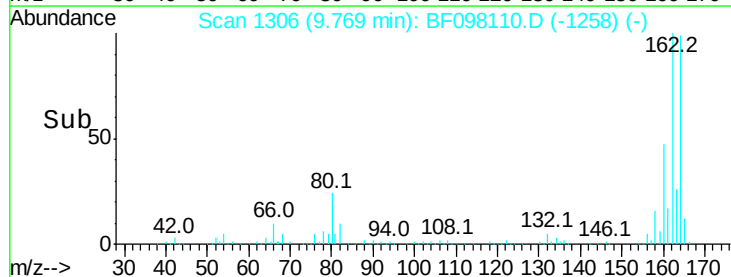
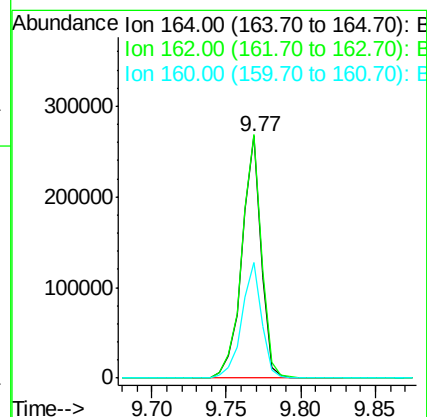
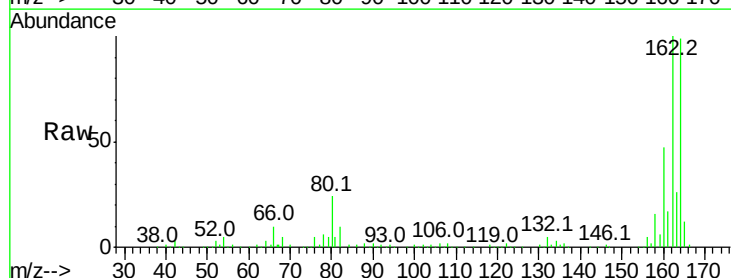
Tgt Ion: 164 Resp: 240955

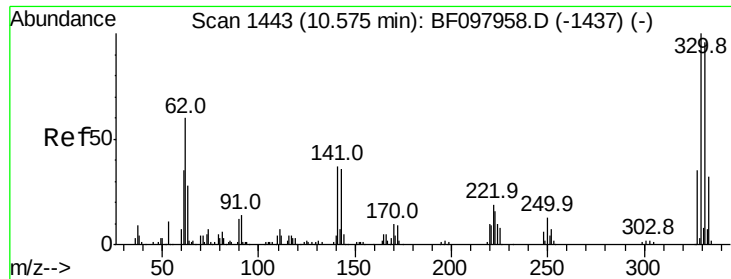
Ion Ratio Lower Upper

164 100

162 100.5 82.6 123.8

160 47.5 36.2 54.2

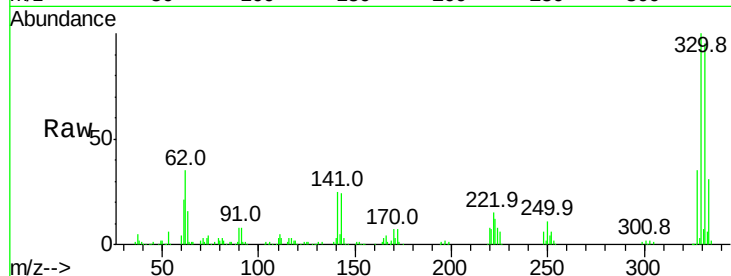




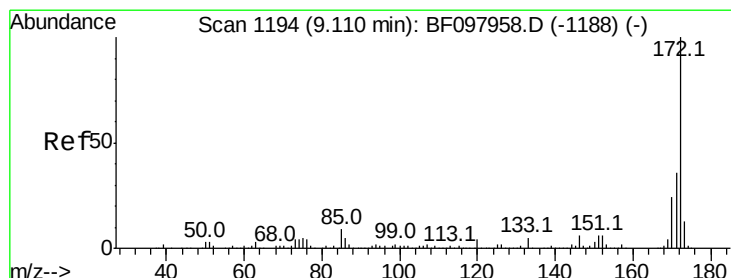
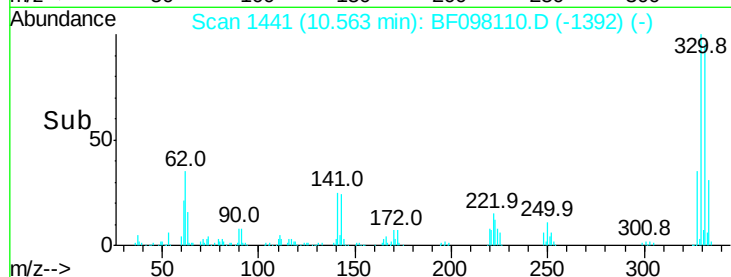
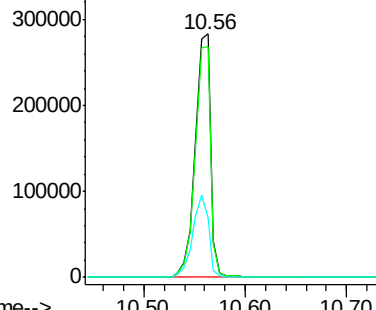
#41
 2,4,6-Tribromophenol
 Concen: 143.184 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098110.D
 Acq: 29 Aug 2017 14:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	115.0
141	34.6	31.4	47.2

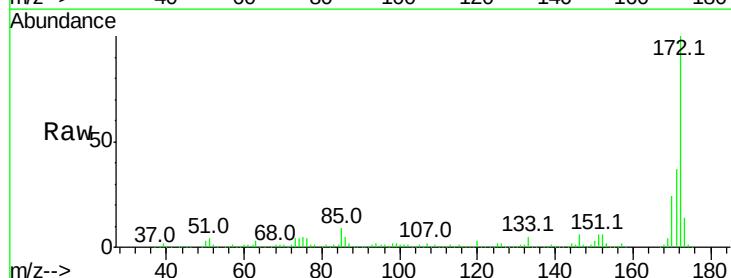


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

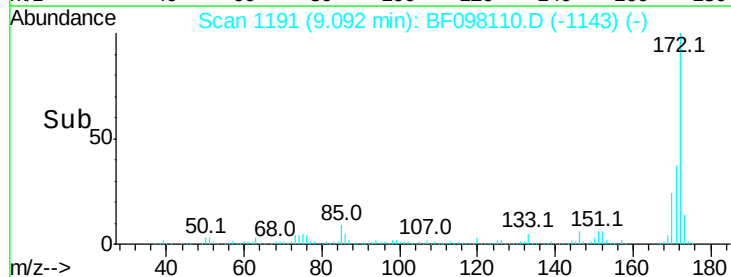
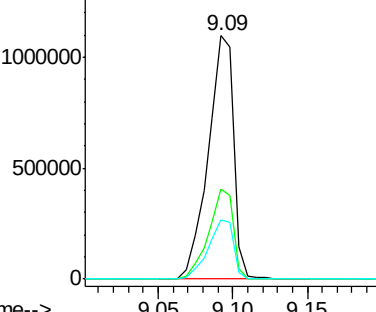


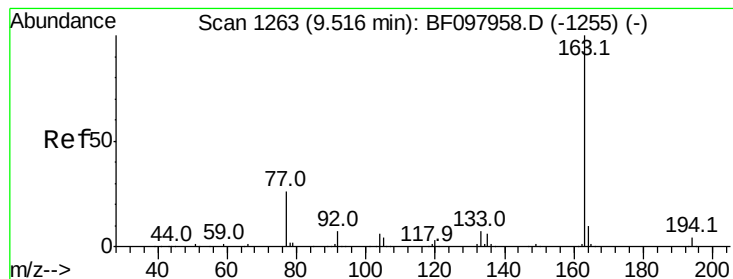
#44
 2-Fluorobiphenyl
 Concen: 79.598 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF098110.D
 Acq: 29 Aug 2017 14:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	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





#49

Dimethylphthalate

Concen: 3.702 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.25 min

Lab File: BF098110.D

Acq: 29 Aug 2017 14:55

Instrument :

BNA_F

ClientSampleId :

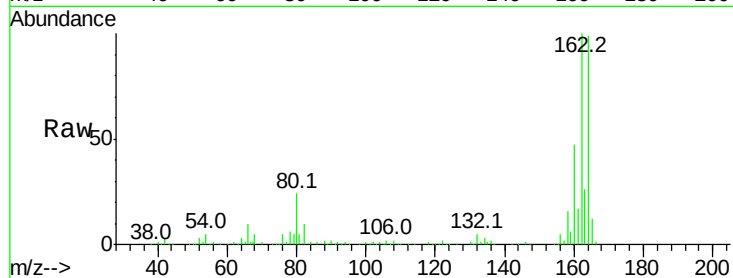
Tot Ion:163 Resp: 65201

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

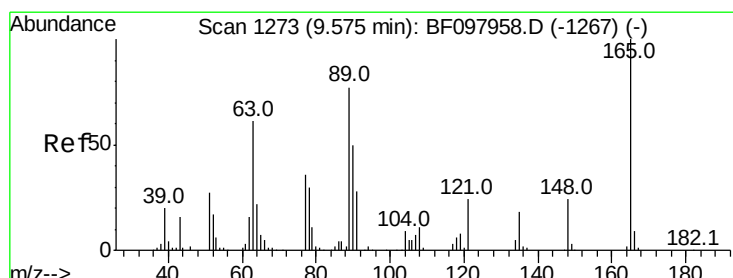
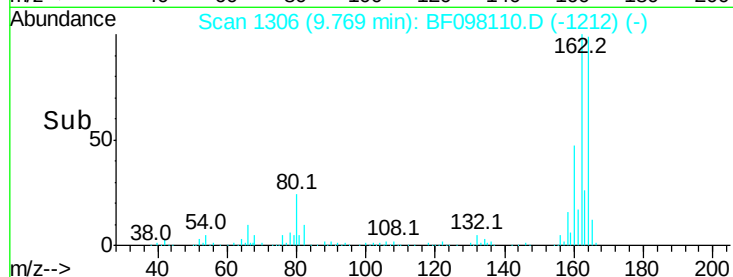
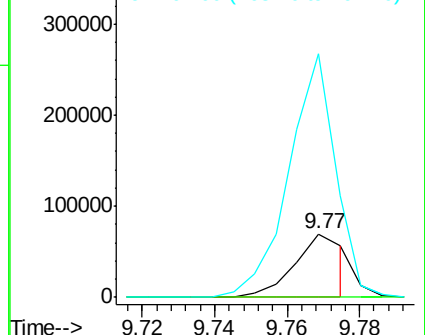
164 382.0 8.4 12.6#



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: 8.503 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.19 min

Lab File: BF098110.D

Acq: 29 Aug 2017 14:55

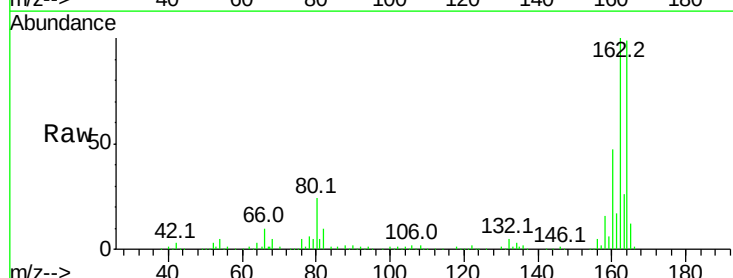
Tgt Ion:165 Resp: 29895

Ion Ratio Lower Upper

165 100

63 2.0 34.3 51.5#

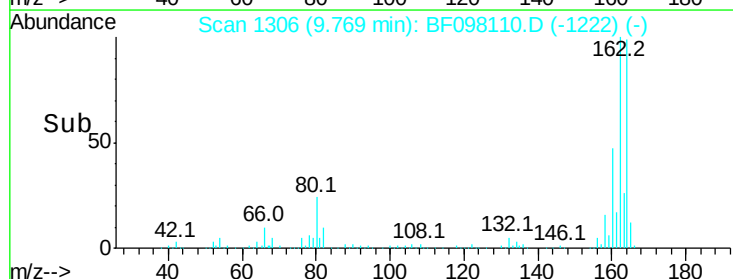
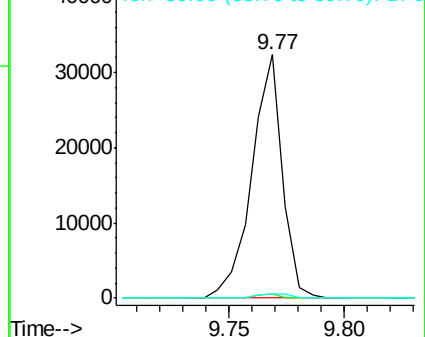
89 1.8 37.1 55.7#

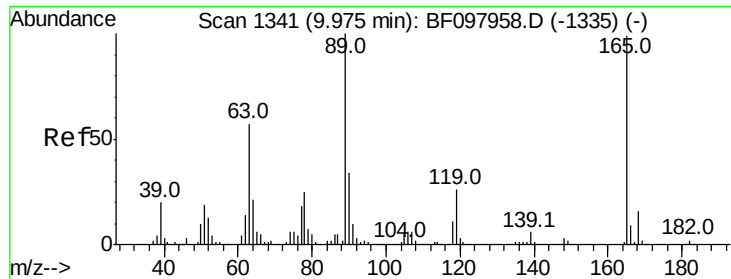


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

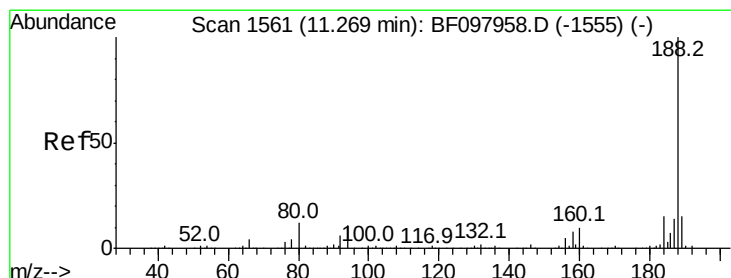
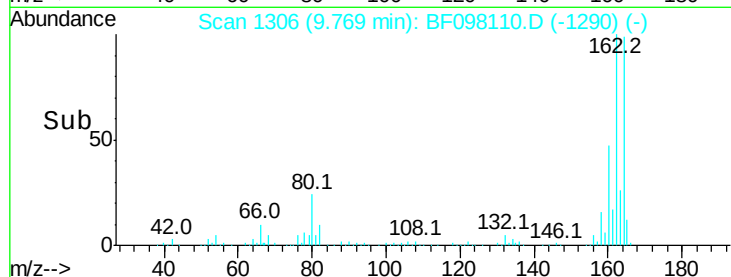
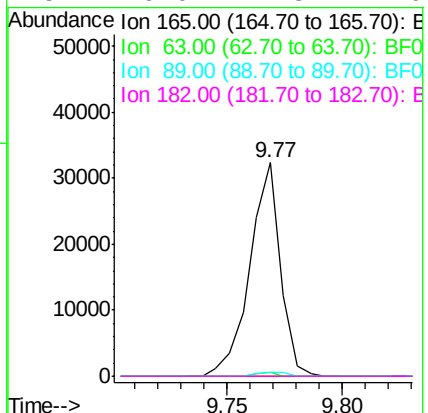
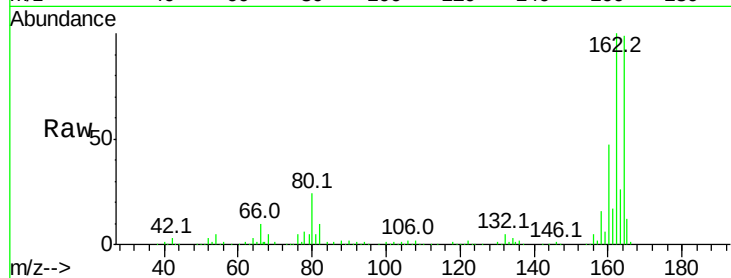




#56
 2,4-Dinitrotoluene
 Concen: 6.776 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.21 min
 Lab File: BF098110.D
 Acq: 29 Aug 2017 14:55

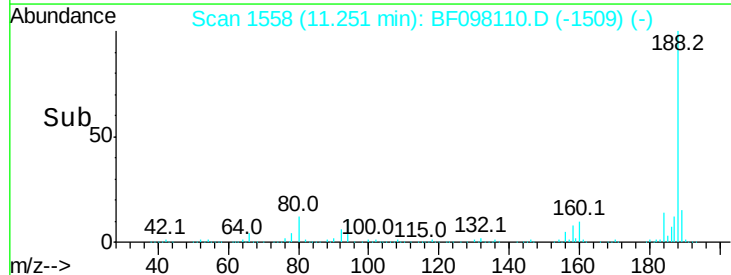
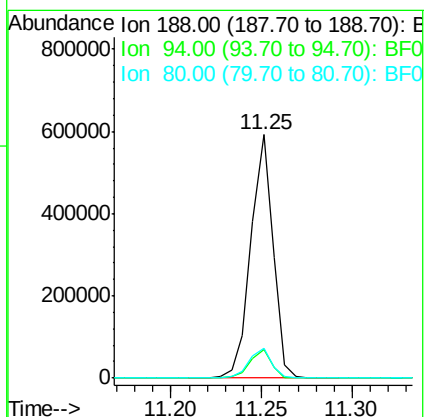
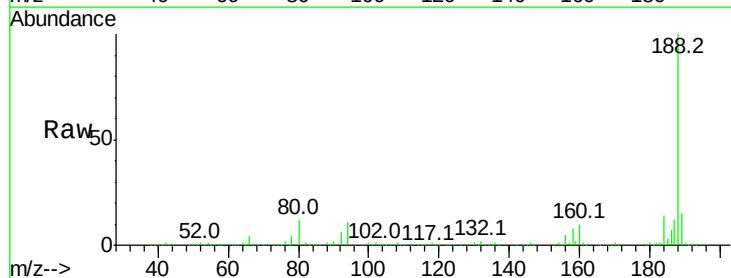
Instrument :
 BNA_F
 ClientSampled :

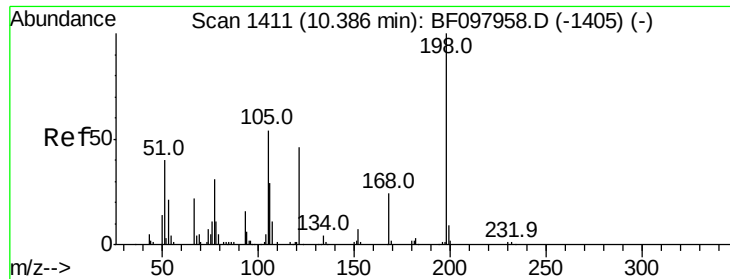
Tot Ion:	165	Resp:	29895
Ion	Ratio	Lower	Upper
165	100		
63	2.0	25.4	38.0#
89	1.8	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF098110.D
 Acq: 29 Aug 2017 14:55

Tgt Ion:	188	Resp:	507738
Ion	Ratio	Lower	Upper
188	100		
94	11.5	9.4	14.2
80	12.1	10.2	15.2

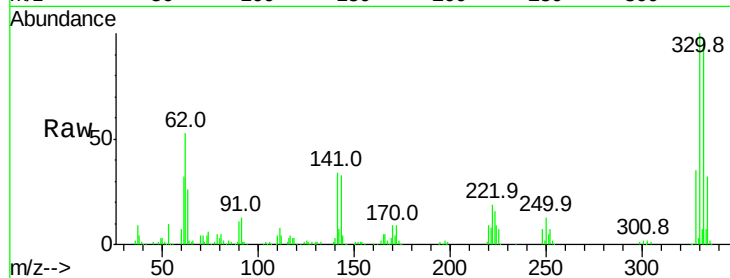




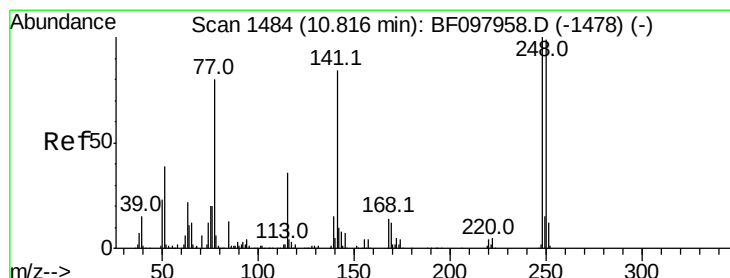
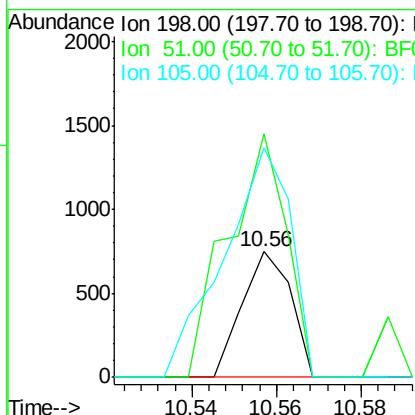
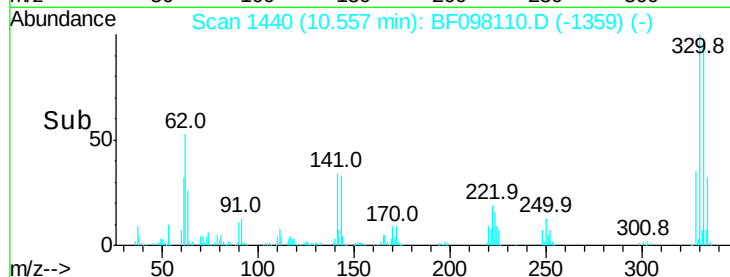
#64
4,6-Dinitro-2-methylphenol
Concen: 8.528 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.18 min
Lab File: BF098110.D
Acq: 29 Aug 2017 14:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 600
Ion Ratio Lower Upper
198 100
51 194.1 53.2 93.2#
105 183.1 45.8 85.8#

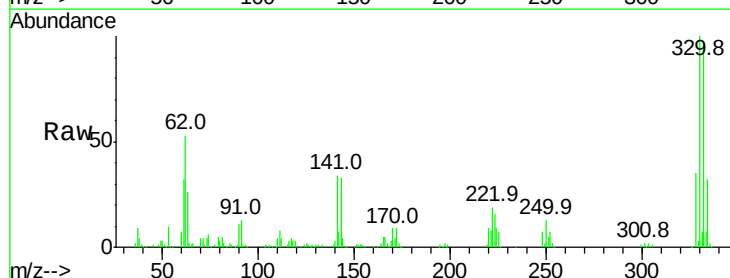


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

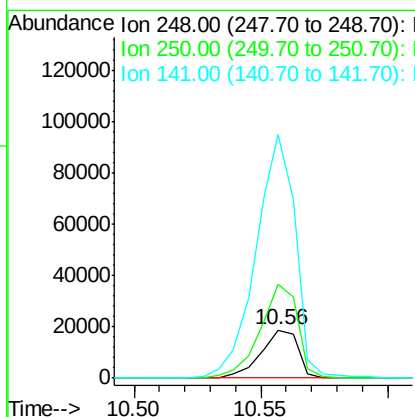
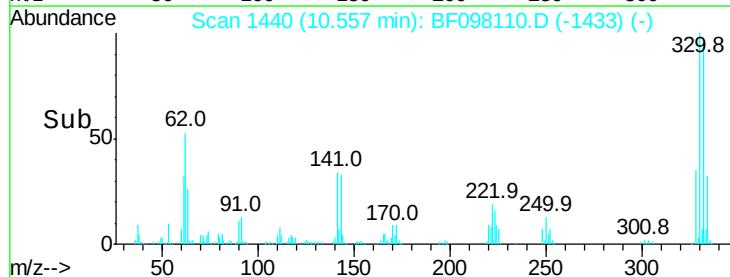


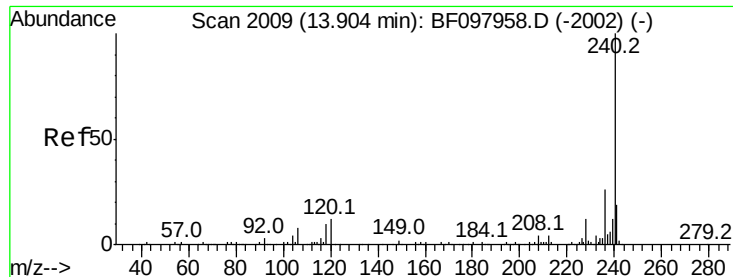
#66
4-Bromophenyl-phenylether
Concen: 3.711 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.26 min
Lab File: BF098110.D
Acq: 29 Aug 2017 14:55

Tgt Ion:248 Resp: 19564
Ion Ratio Lower Upper
248 100
250 194.5 76.8 115.2#
141 505.3 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: BF098110.D

Acq: 29 Aug 2017 14:55

Instrument :

BNA_F

ClientSampleId :

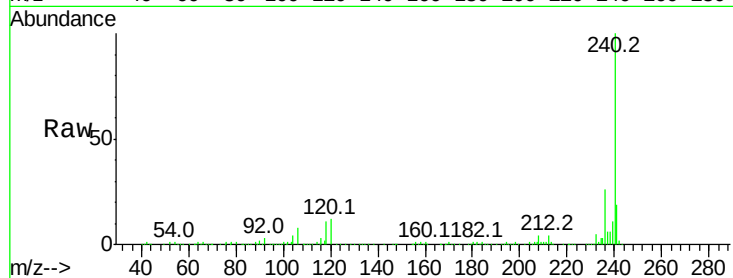
Tot Ion:240 Resp: 453788

Ion Ratio Lower Upper

240 100

120 12.4 5.8 8.8#

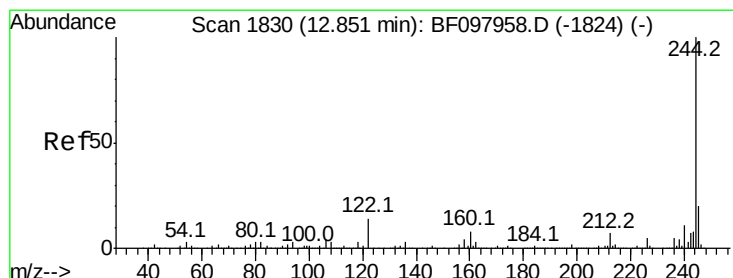
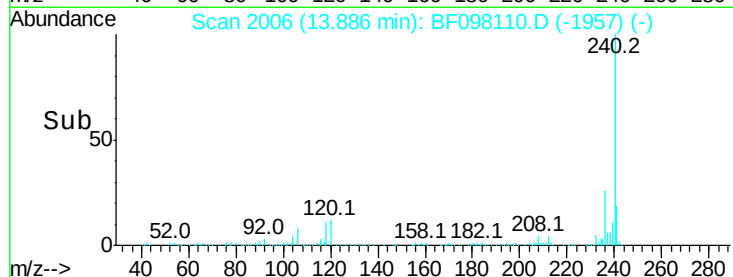
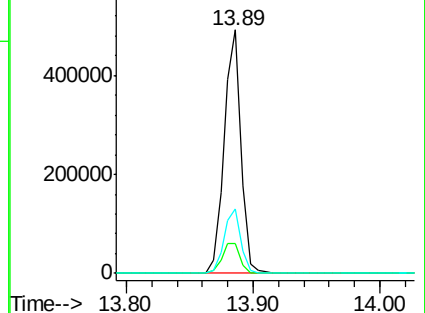
236 26.4 20.5 30.7



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: 61.326 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF098110.D

Acq: 29 Aug 2017 14:55

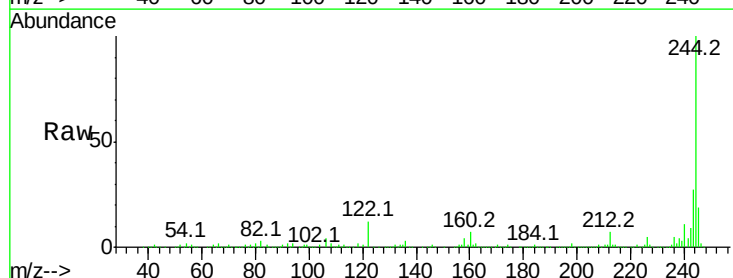
Tgt Ion:244 Resp: 1334518

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

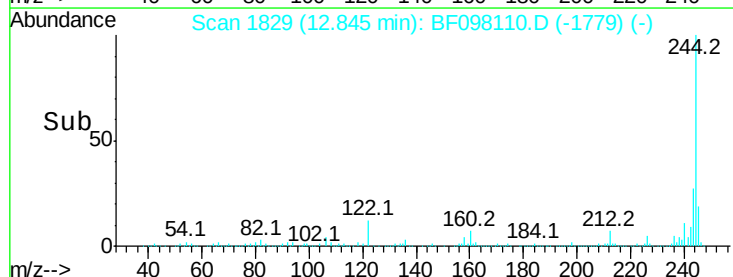
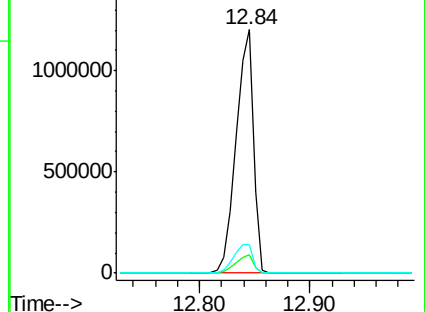
122 11.7 10.3 15.5

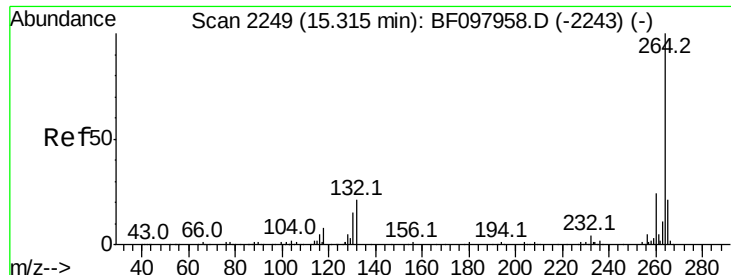


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

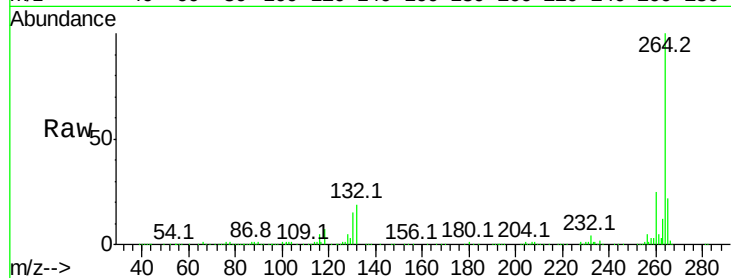




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. -0.01 min
 Lab File: BF098110.D
 Acq: 29 Aug 2017 14:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.5	29.3
265	21.7	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

