

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
 Data File : BF098112.D
 Acq On : 29 Aug 2017 15:51
 Operator : SJ/JU
 Sample : I4970-01RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 30 02:58:14 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

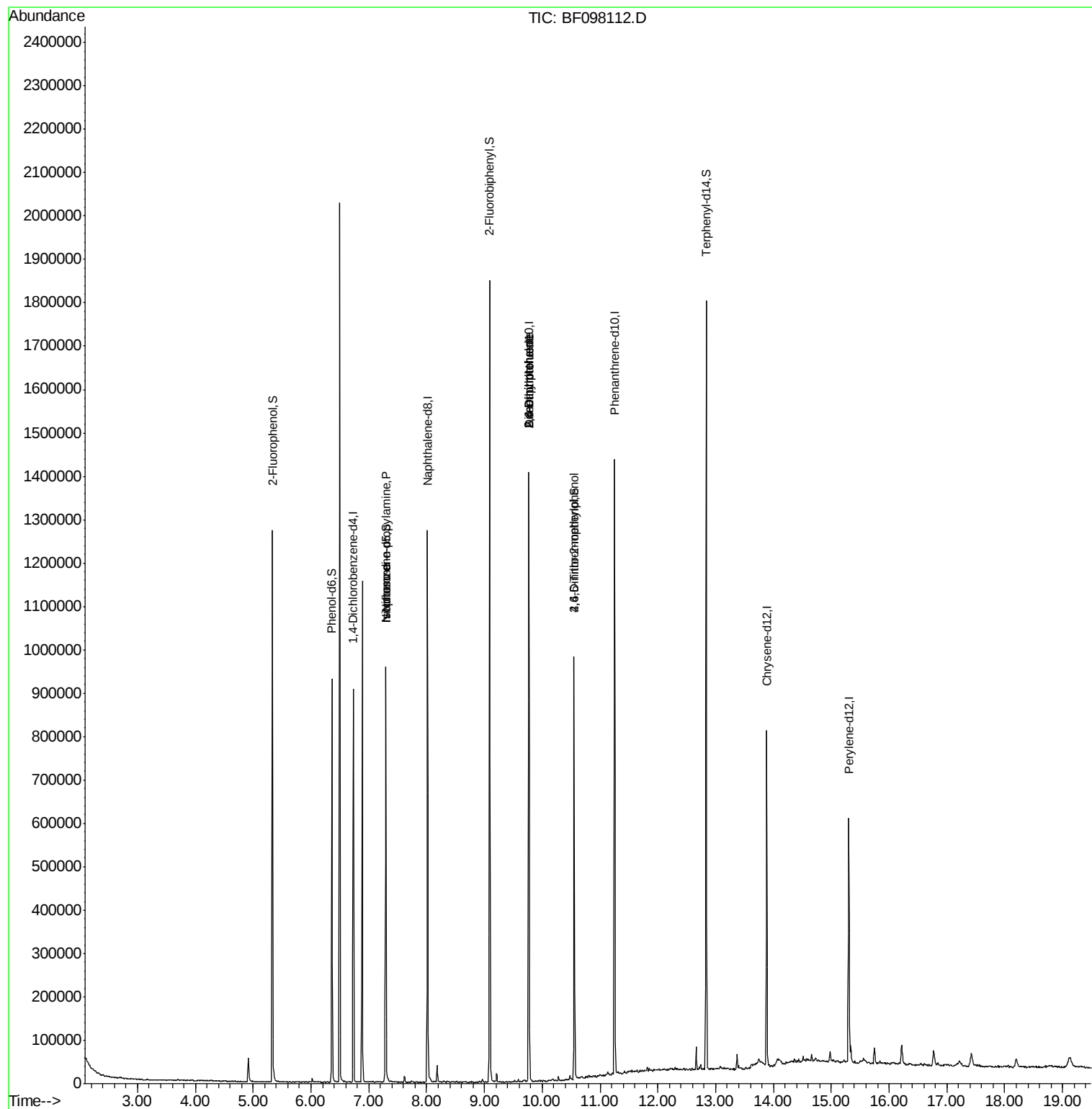
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	132868	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	536808	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	247011	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	454670	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	271130	20.00	ng	-0.01
86) Perylene-d12	15.30	264	246450	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	342109	39.16	ng	-0.02
7) Phenol-d6	6.36	99	309057	26.04	ng	-0.02
23) Nitrobenzene-d5	7.29	82	323846	32.77	ng	-0.03
41) 2,4,6-Tribromophenol	10.56	330	103000	48.06	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	531405	31.61	ng	-0.02
78) Terphenyl-d14	12.83	244	545930	41.99	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	43575	5.363	ng	# 73
25) Isophorone	7.29	82	316690	15.413	ng	# 67
49) Dimethylphthalate	9.77	163	66470	3.681	ng	# 1
50) 2,6-Dinitrotoluene	9.77	165	31826	8.831	ng	# 34
56) 2,4-Dinitrotoluene	9.77	165	31826	7.036	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.55	198	289	8.432	ng	# 1

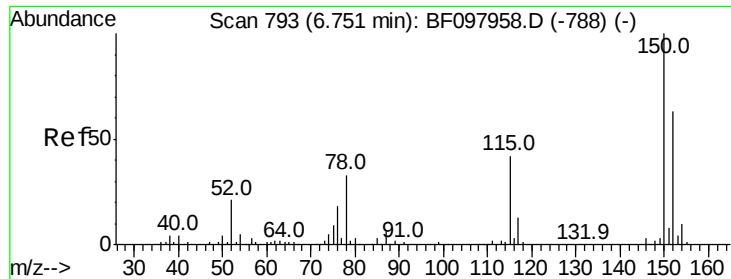
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



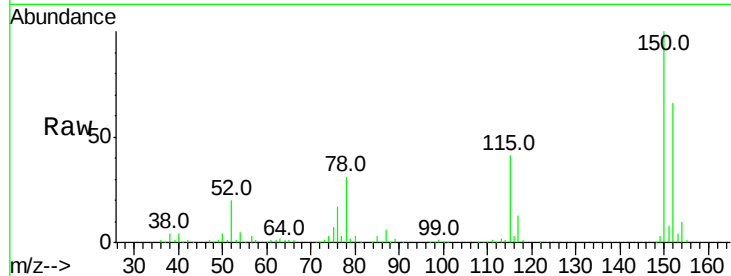


#1

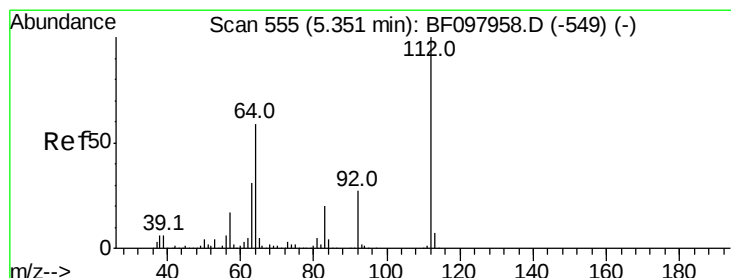
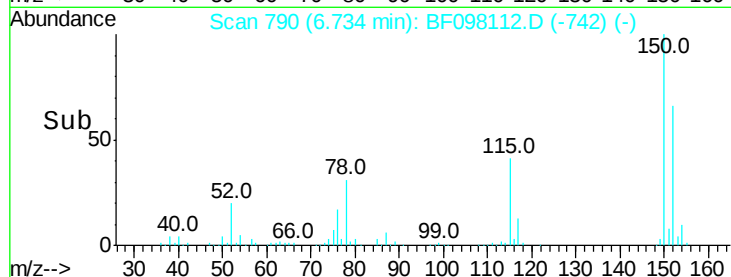
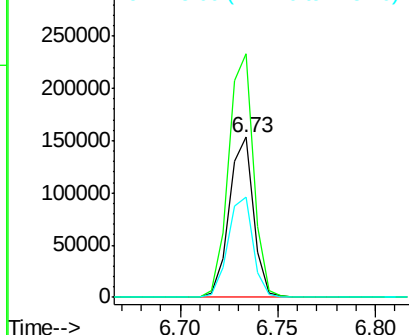
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF098112.D
Acq: 29 Aug 2017 15:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 132868
Ion Ratio Lower Upper
152 100
150 152.2 126.2 189.2
115 62.6 52.2 78.2



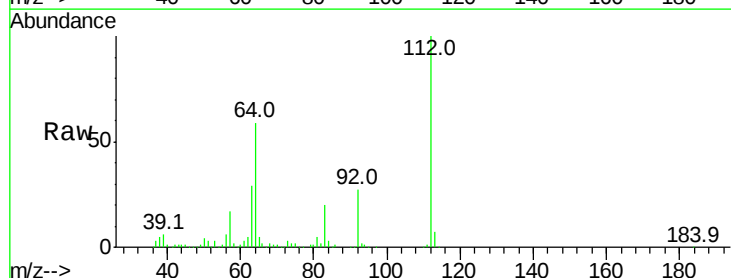
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



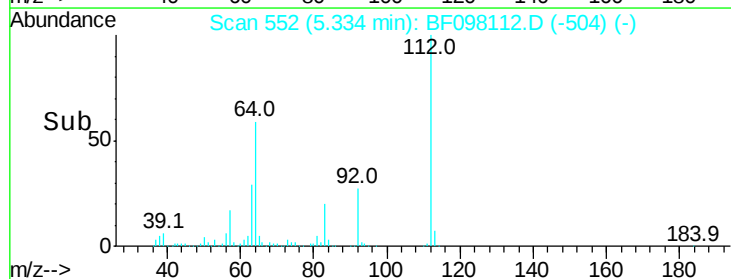
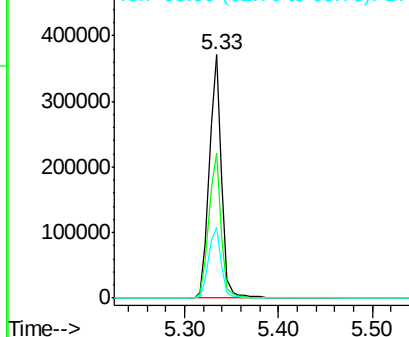
#5

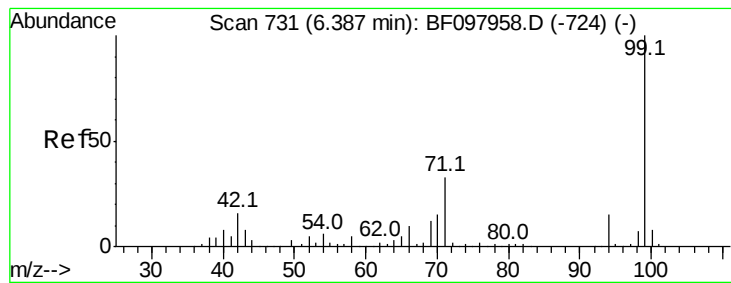
2-Fluorophenol
Concen: 39.165 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF098112.D
Acq: 29 Aug 2017 15:51

Tgt Ion:112 Resp: 342109
Ion Ratio Lower Upper
112 100
64 59.4 46.0 69.0
63 29.3 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: 26.040 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF098112.D

Acq: 29 Aug 2017 15:51

Instrument :

BNA_F

ClientSampled :

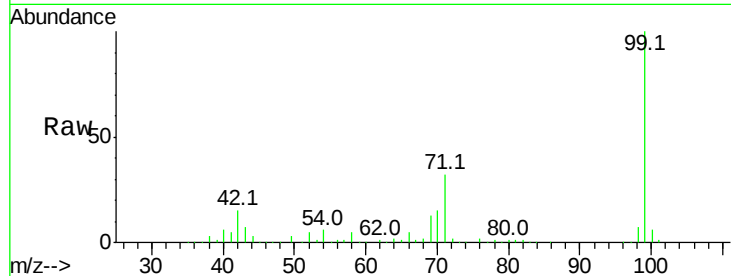
Tot Ion: 99 Resp: 309057

Ion Ratio Lower Upper

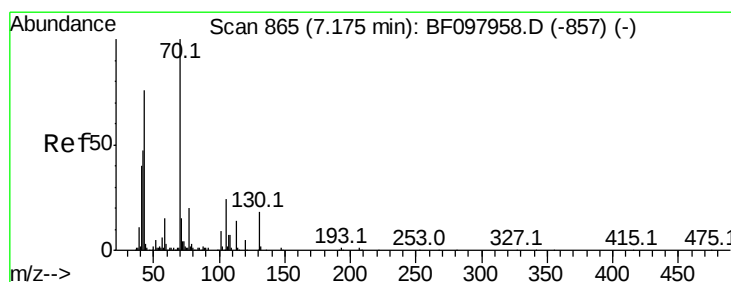
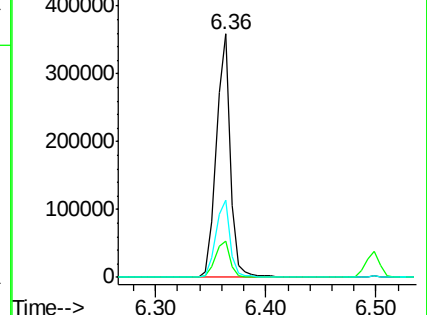
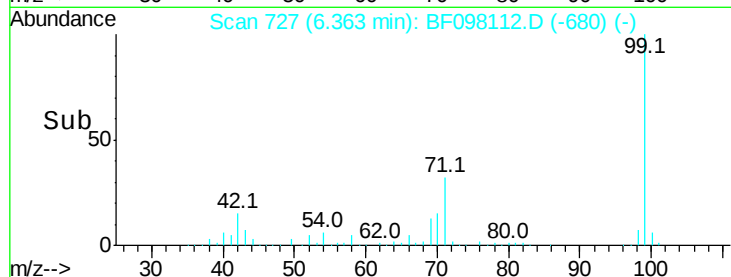
99 100

42 15.1 13.5 20.3

71 31.8 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: 5.363 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.12 min

Lab File: BF098112.D

Acq: 29 Aug 2017 15:51

Tgt Ion: 70 Resp: 43575

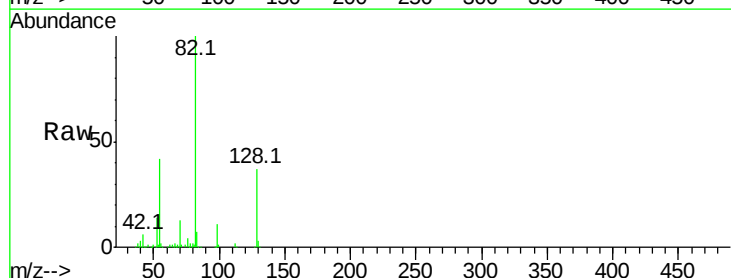
Ion Ratio Lower Upper

70 100

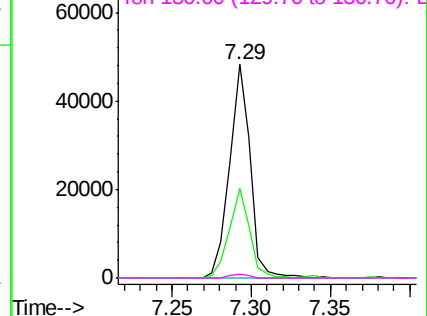
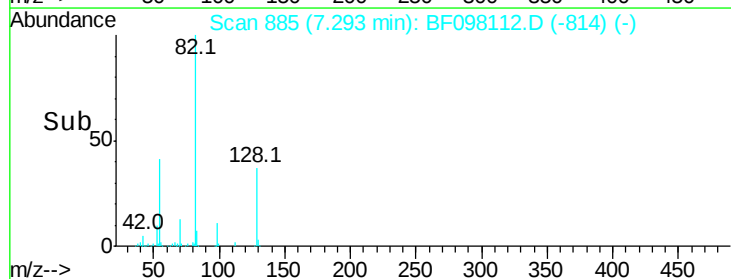
42 41.9 47.2 70.8#

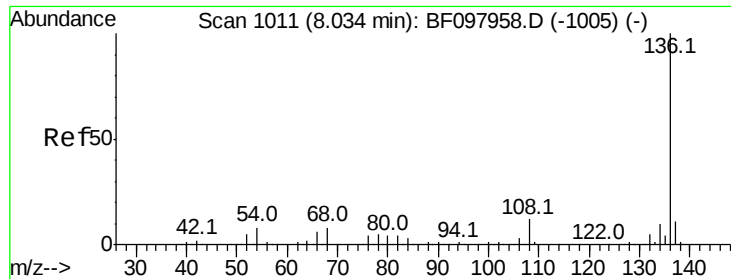
101 0.0 7.2 10.8#

130 1.6 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

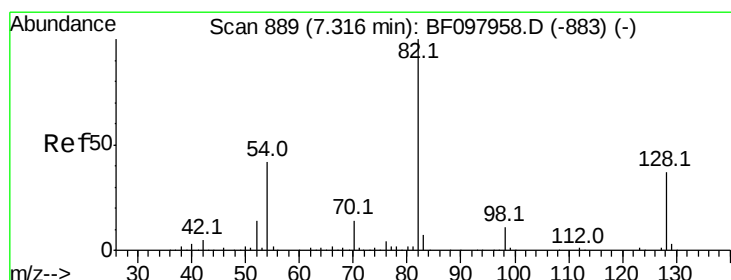
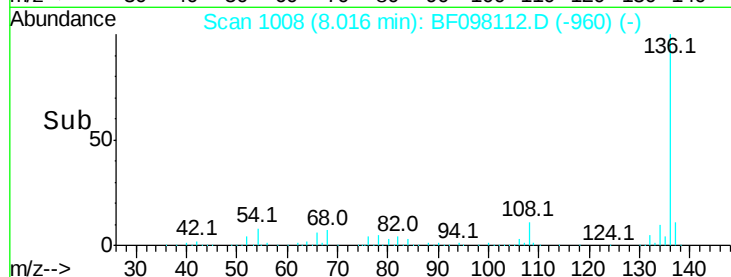
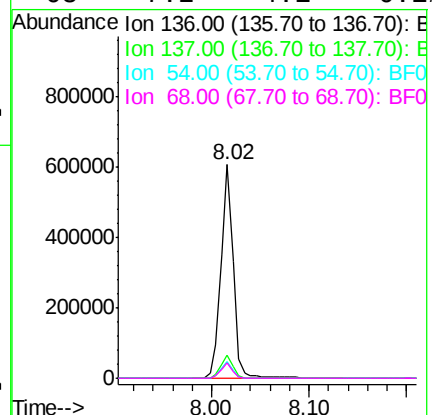
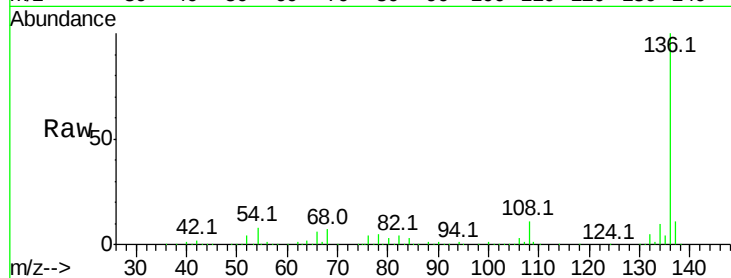




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BF098112.D
Acq: 29 Aug 2017 15:51

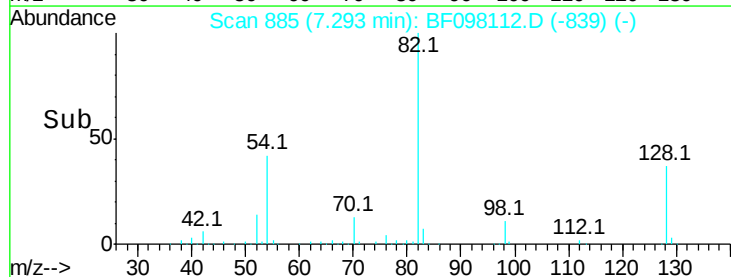
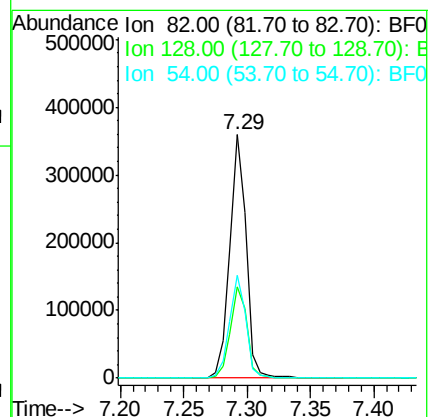
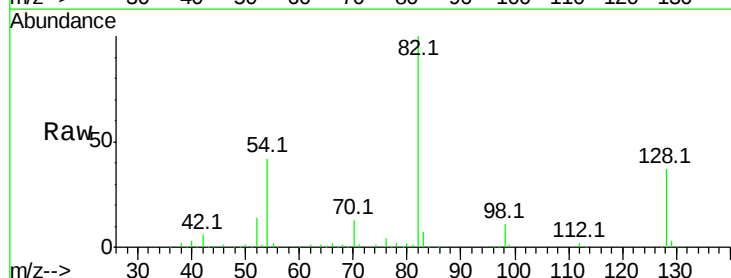
Instrument :
BNA_F
ClientSampleId :

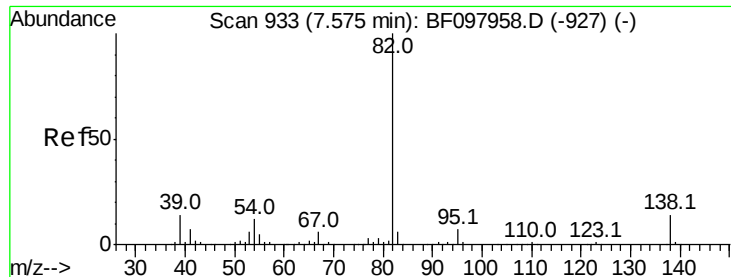
Tot Ion:	136	Resp:	536808
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	7.7	4.9	7.3#
68	7.2	4.1	6.1#



#23
Nitrobenzene-d5
Concen: 32.773 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.03 min
Lab File: BF098112.D
Acq: 29 Aug 2017 15:51

Tgt Ion:	82	Resp:	323846
Ion	Ratio	Lower	Upper
82	100		
128	37.4	34.0	51.0
54	42.2	42.2	63.2





#25

Isophorone

Concen: 15.413 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.29 min

Lab File: BF098112.D

Acq: 29 Aug 2017 15:51

Instrument :

BNA_F

ClientSampleId :

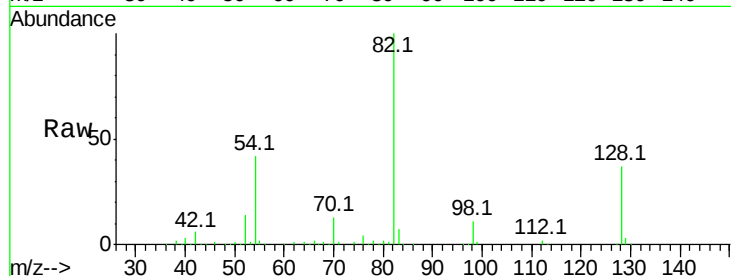
Tot Ion: 82 Resp: 316690

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

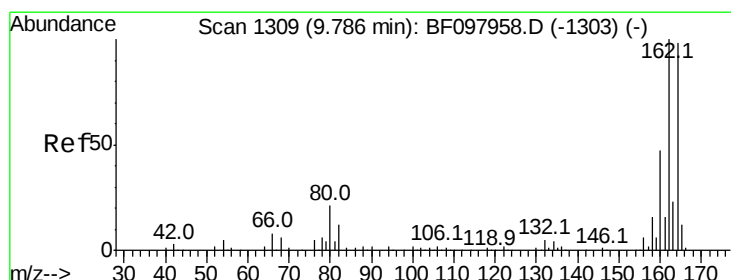
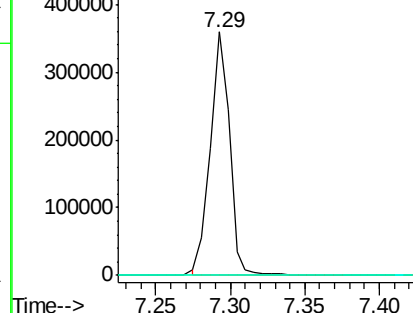
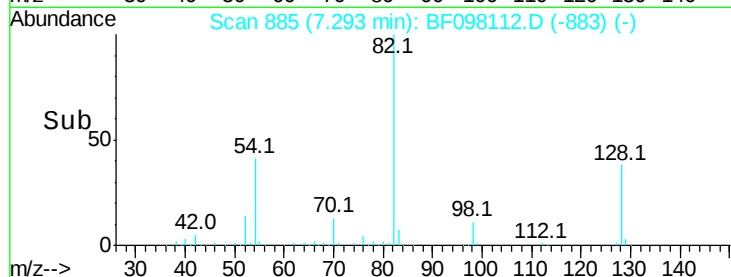
138 0.0 13.1 19.7#



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): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BF098112.D

Acq: 29 Aug 2017 15:51

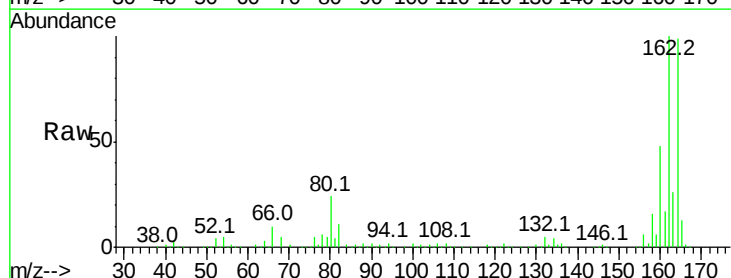
Tgt Ion:164 Resp: 247011

Ion Ratio Lower Upper

164 100

162 100.8 82.6 123.8

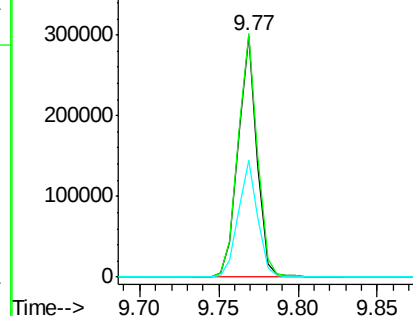
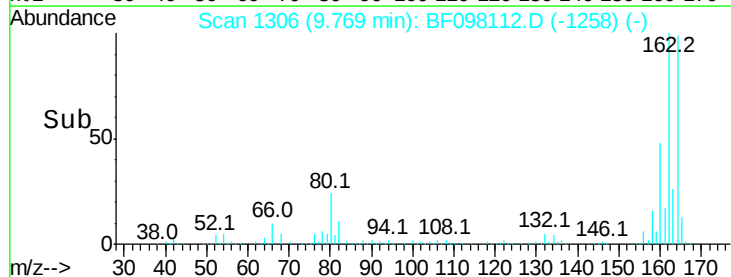
160 48.2 36.2 54.2



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

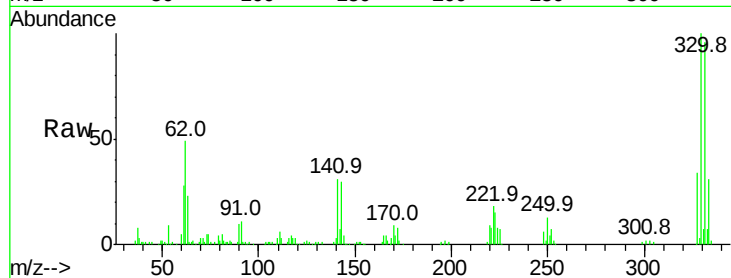




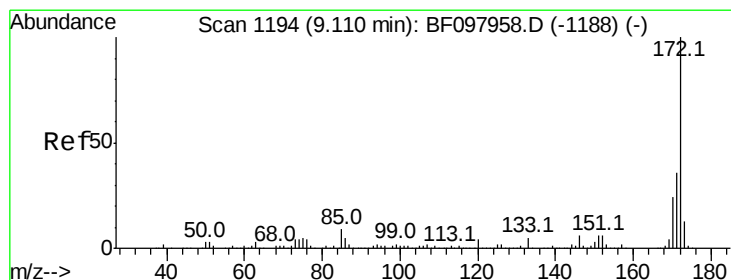
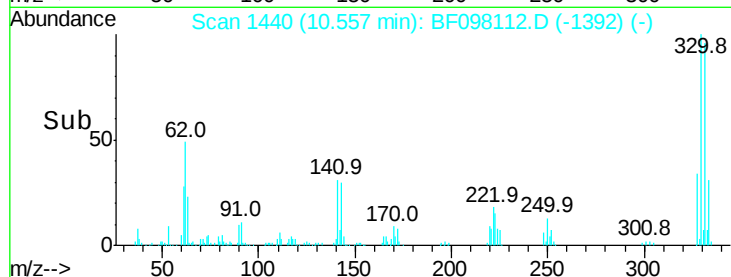
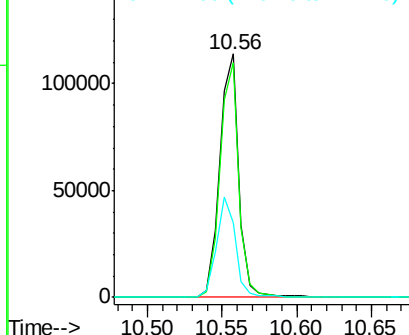
#41
 2,4,6-Tribromophenol
 Concen: 48.058 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF098112.D
 Acq: 29 Aug 2017 15:51

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.6	115.0
141	40.7	31.4	47.2

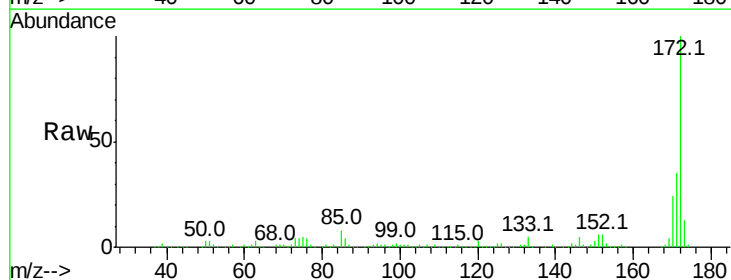


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

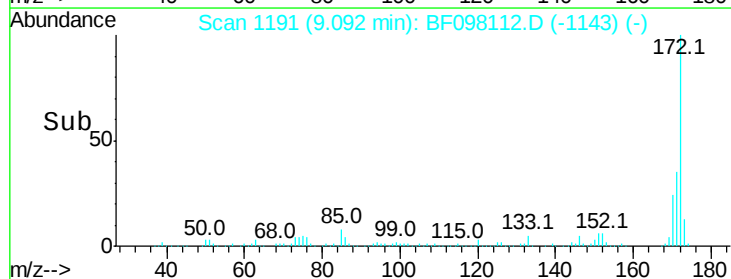
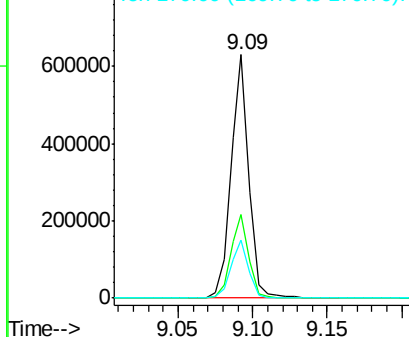


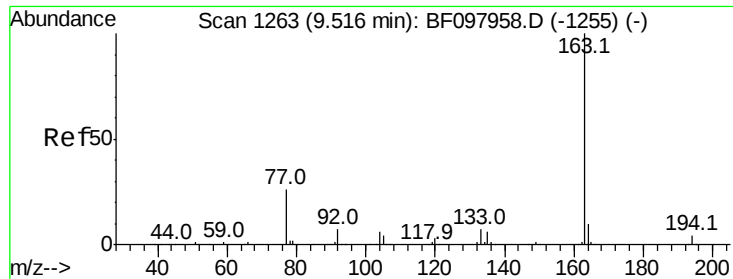
#44
 2-Fluorobiphenyl
 Concen: 31.608 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF098112.D
 Acq: 29 Aug 2017 15:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.6	44.4
170	23.9	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

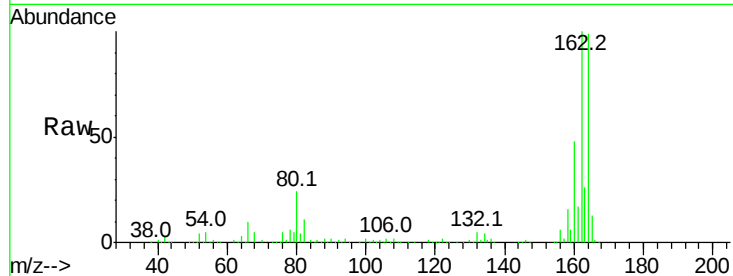




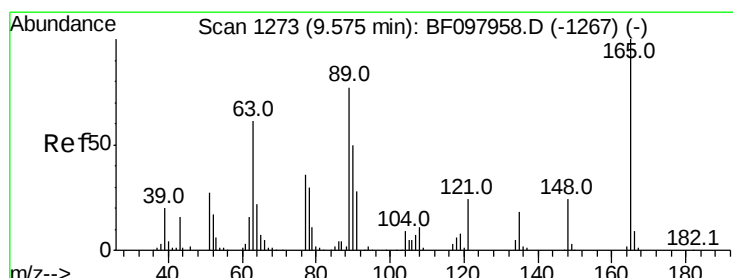
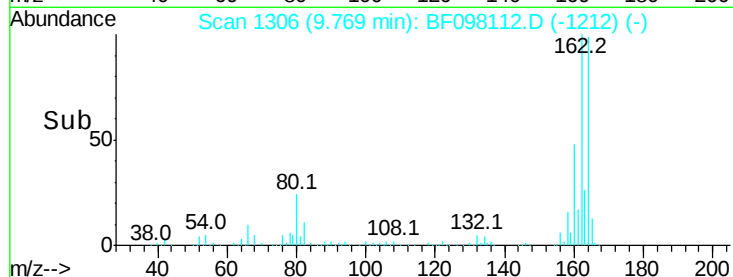
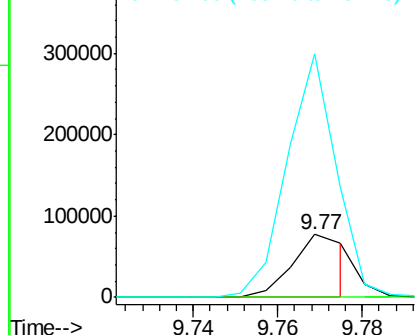
#49
Dimethylphthalate
Concen: 3.681 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.25 min
Lab File: BF098112.D
Acq: 29 Aug 2017 15:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 66470
Ion Ratio Lower Upper
163 100
194 0.0 2.6 4.0#
164 387.9 8.4 12.6#

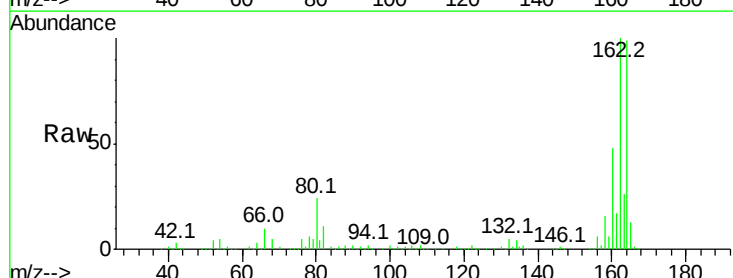


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

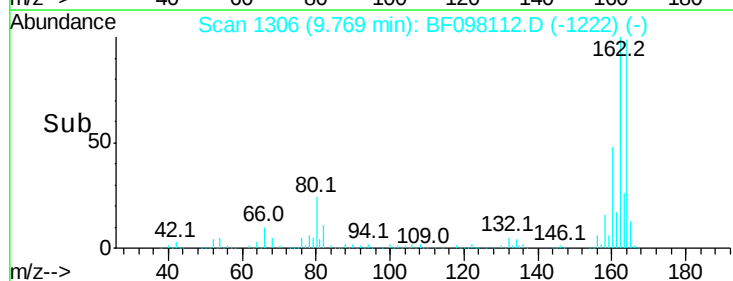
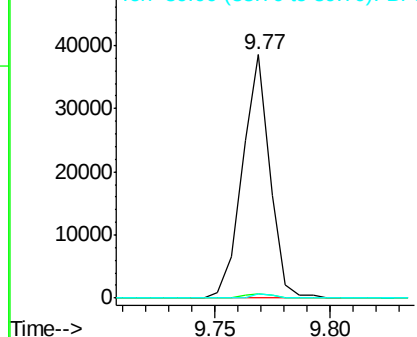


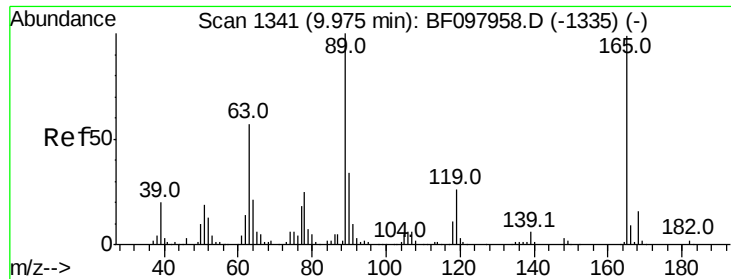
#50
2,6-Dinitrotoluene
Concen: 8.831 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.19 min
Lab File: BF098112.D
Acq: 29 Aug 2017 15:51

Tgt Ion:165 Resp: 31826
Ion Ratio Lower Upper
165 100
63 1.7 34.3 51.5#
89 1.7 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

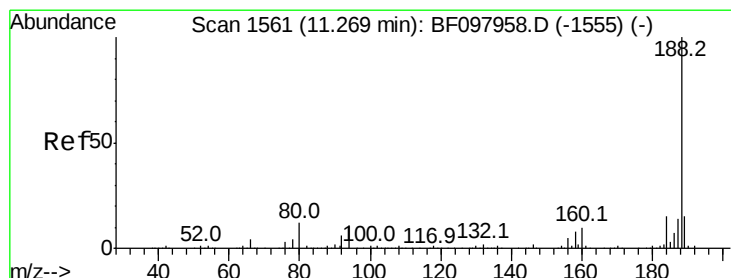
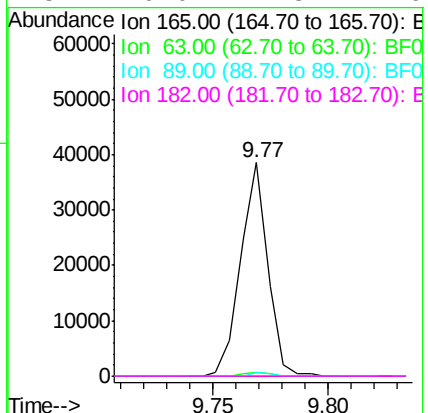
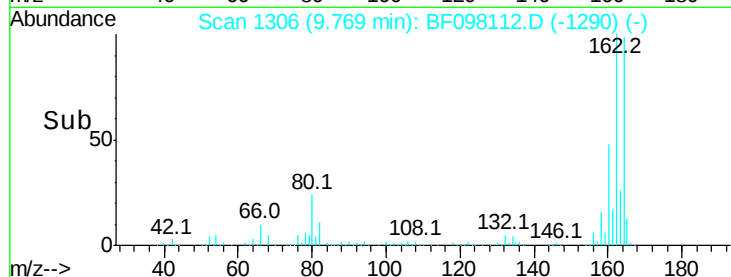
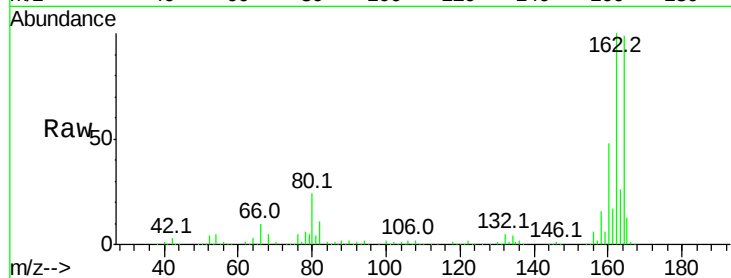




#56
 2,4-Dinitrotoluene
 Concen: 7.036 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.21 min
 Lab File: BF098112.D
 Acq: 29 Aug 2017 15:51

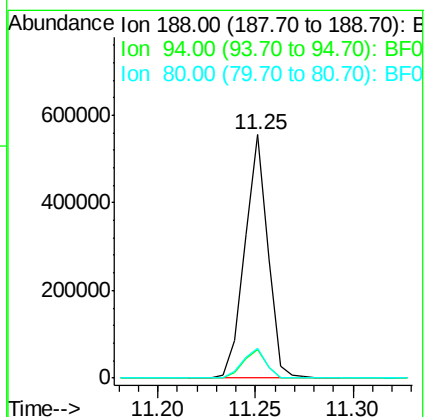
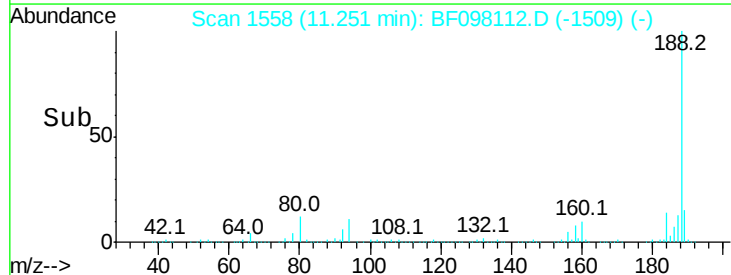
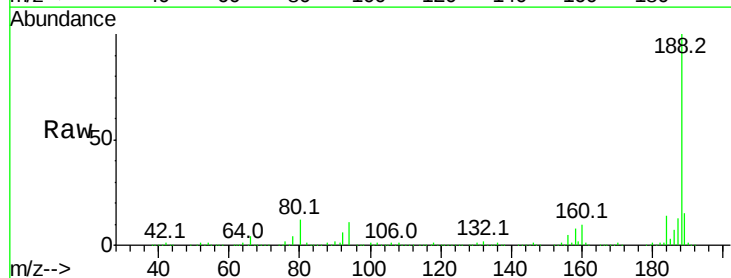
Instrument :
 BNA_F
 ClientSampleId :

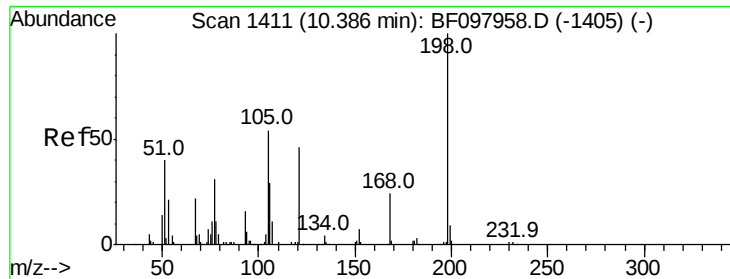
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	1.7	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF098112.D
 Acq: 29 Aug 2017 15:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	9.4	14.2
80	12.4	10.2	15.2

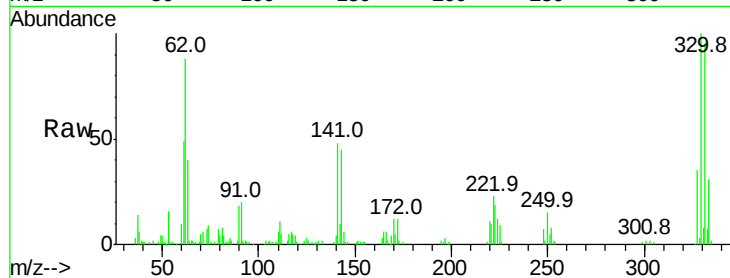




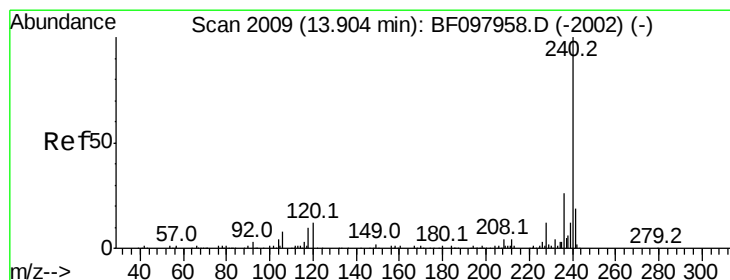
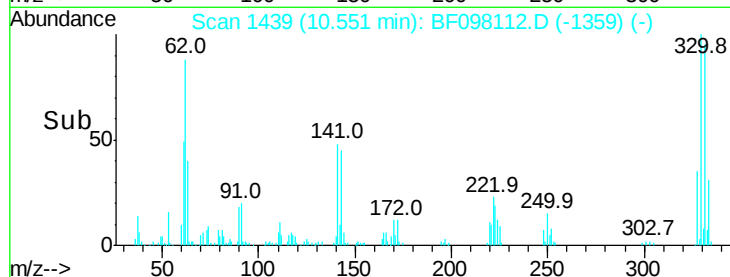
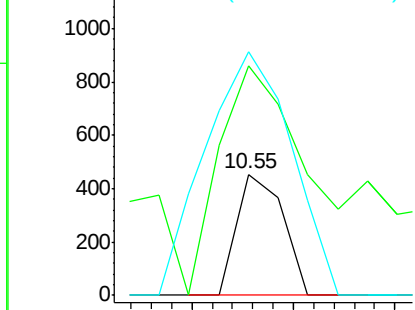
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.432 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.17 min
 Lab File: BF098112.D
 Acq: 29 Aug 2017 15:51

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
198	100		
51	189.4	53.2	93.2#
105	200.9	45.8	85.8#

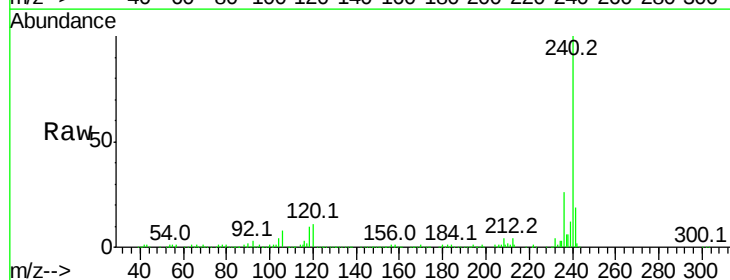


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

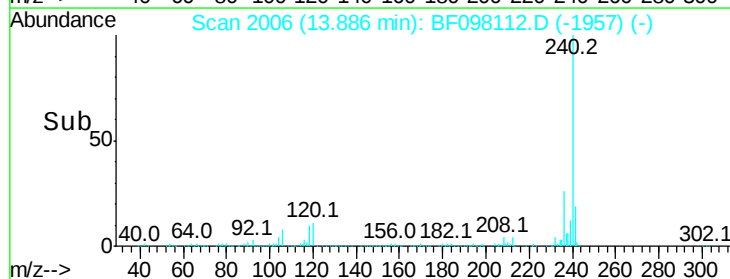
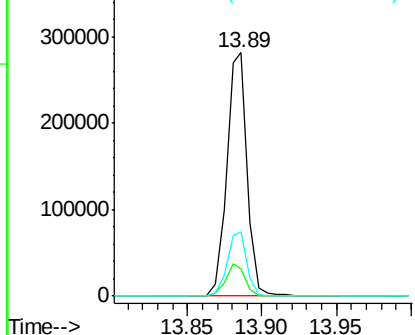


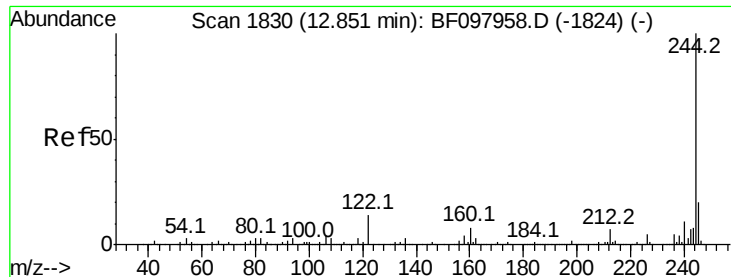
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF098112.D
 Acq: 29 Aug 2017 15:51

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.4	5.8	8.8#
236	26.2	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

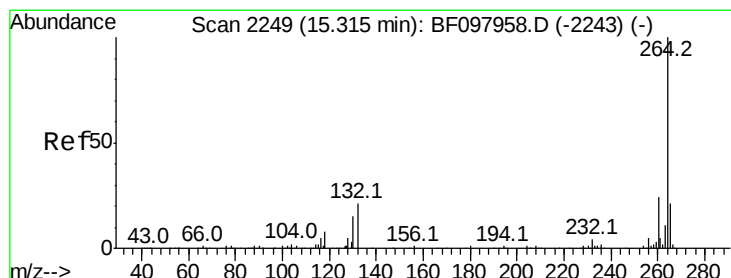
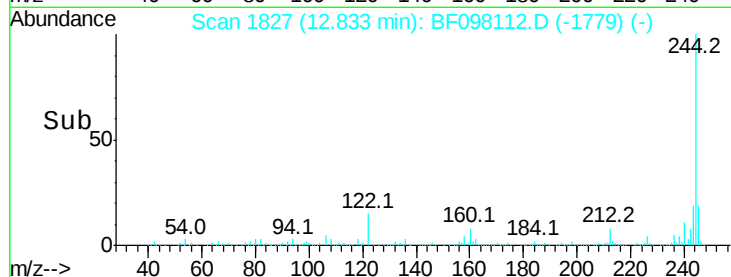
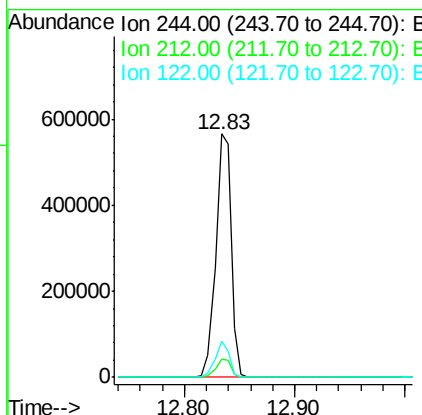
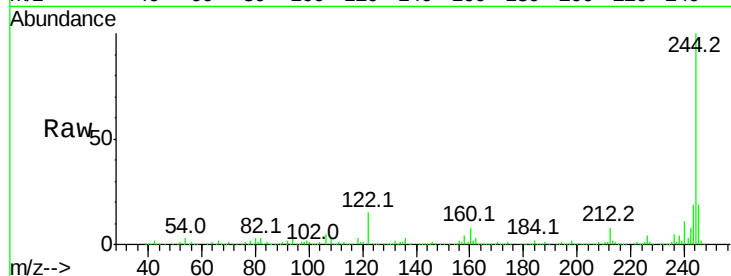




#78
 Terphenyl-d14
 Concen: 41.989 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. -0.02 min
 Lab File: BF098112.D
 Acq: 29 Aug 2017 15:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 545930
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.0 9.0
 122 14.6 10.3 15.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. -0.01 min
 Lab File: BF098112.D
 Acq: 29 Aug 2017 15:51

Tgt Ion:264 Resp: 246450
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.5 29.3
 265 21.2 17.2 25.8

