

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072717\
 Data File : BF097140.D
 Acq On : 27 Jul 2017 23:29
 Operator : SJ/JU
 Sample : I4444-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 28 00:46:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

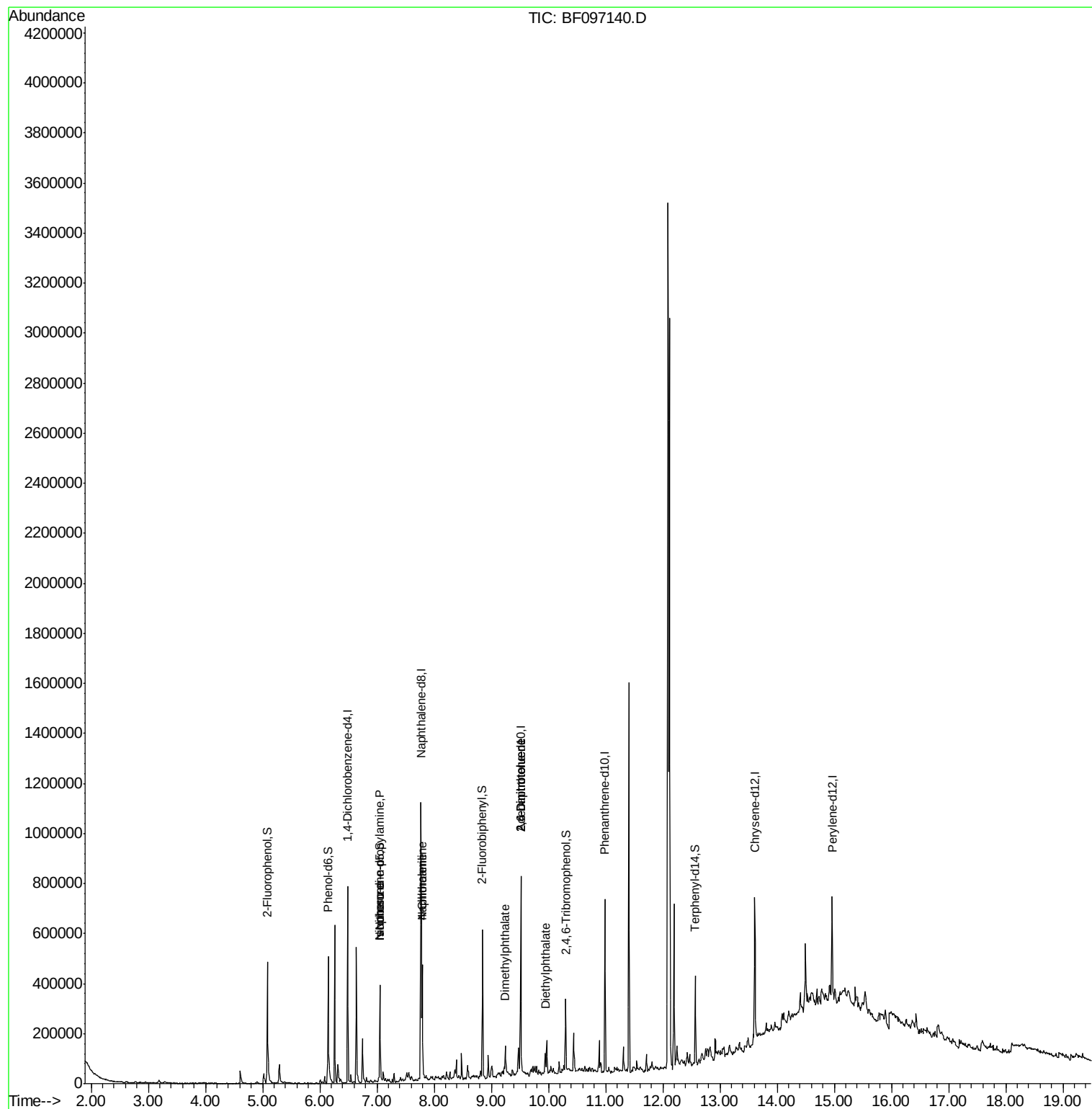
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	113638	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	441281	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	154941	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	219910	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	191814	20.00	ng	-0.02
86) Perylene-d12	14.96	264	160091	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	160454	21.29	ng	-0.02
7) Phenol-d6	6.15	99	184613	21.45	ng	-0.02
23) Nitrobenzene-d5	7.05	82	113547	15.09	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	26114	21.33	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	166712	18.26	ng	-0.02
78) Terphenyl-d14	12.57	244	94670	10.06	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.05	70	15139	2.67	ng	# 82
25) Isophorone	7.05	82	111152	7.55	ng	# 67
31) Naphthalene	7.79	128	210082	10.10	ng	98
33) 4-Chloroaniline	7.79	127	26537	3.14	ng	# 32
49) Dimethylphthalate	9.25	163	32769	2.79	ng	98
50) 2,6-Dinitrotoluene	9.51	165	21304	8.54	ng	# 34
56) 2,4-Dinitrotoluene	9.51	165	21304	7.43	ng	# 34
59) Diethylphthalate	9.94	149	26795	2.48	ng	97

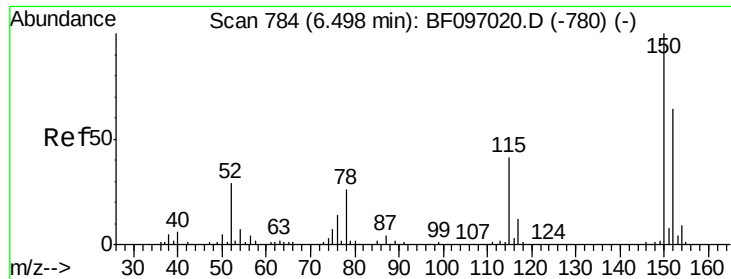
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072717\
Data File : BF097140.D
Acq On : 27 Jul 2017 23:29
Operator : SJ/JU
Sample : I4444-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jul 28 00:46:29 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 14:11:51 2017
Response via : Initial Calibration



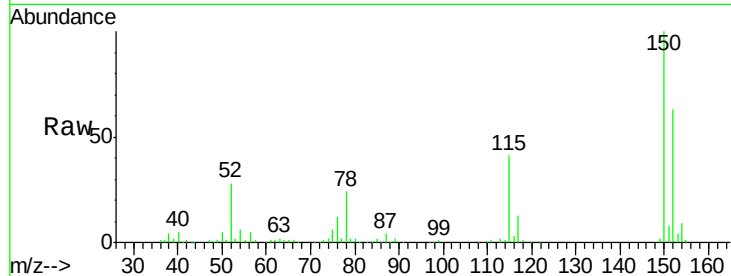


#1

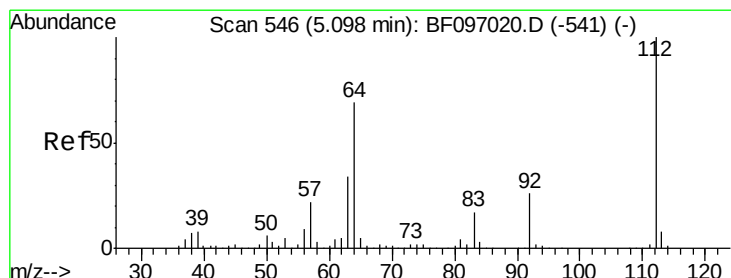
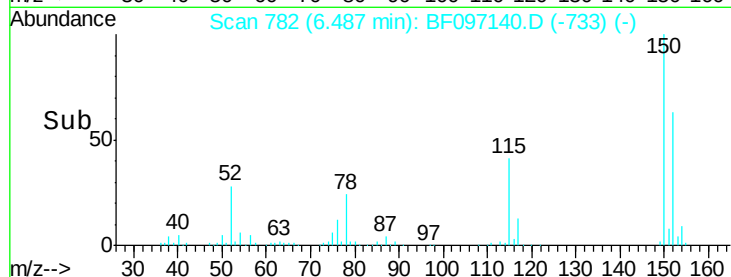
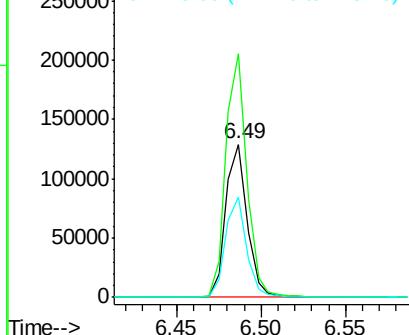
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF097140.D
Acq: 27 Jul 2017 23:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 113638
Ion Ratio Lower Upper
152 100
150 158.8 126.2 189.2
115 65.1 52.2 78.2



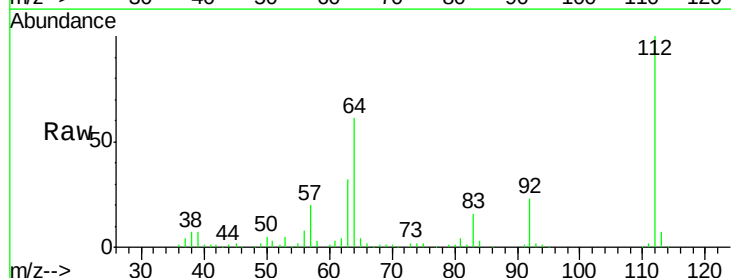
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



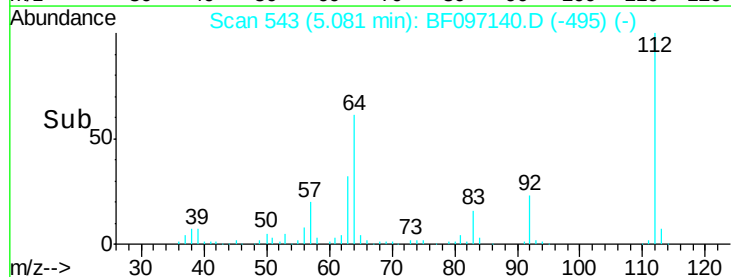
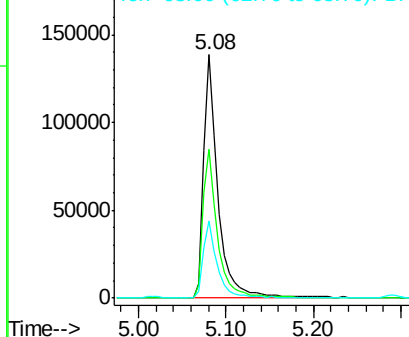
#5

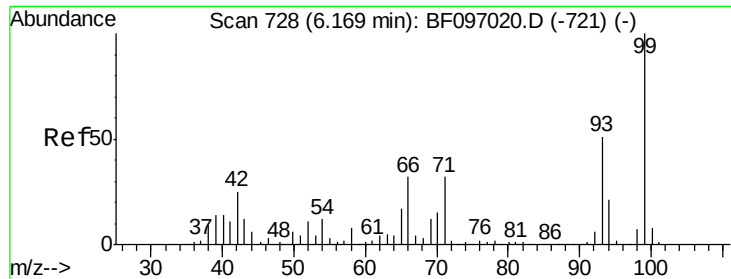
2-Fluorophenol
Concen: 21.29 ng
RT: 5.08 min Scan# 543
Delta R.T. -0.02 min
Lab File: BF097140.D
Acq: 27 Jul 2017 23:29

Tgt Ion:112 Resp: 160454
Ion Ratio Lower Upper
112 100
64 61.2 46.0 69.0
63 31.8 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: 21.45 ng

RT: 6.15 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF097140.D

Acq: 27 Jul 2017 23:29

Instrument :

BNA_F

ClientSampleId :

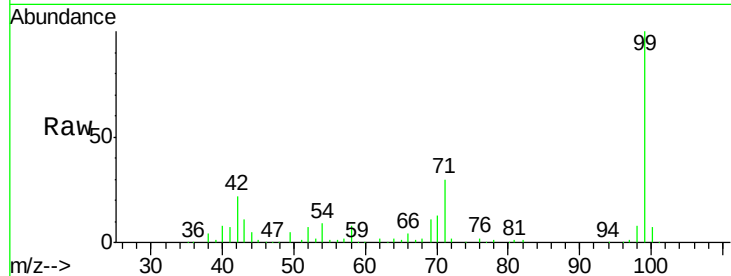
Tot Ion: 99 Resp: 184613

Ion Ratio Lower Upper

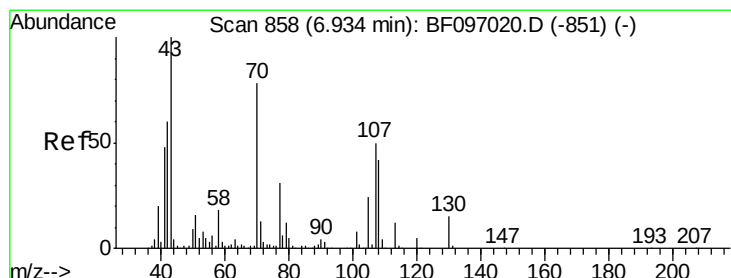
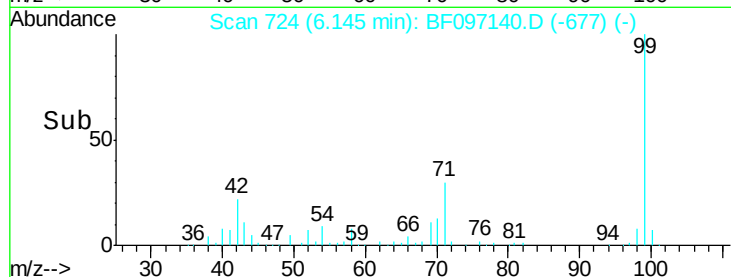
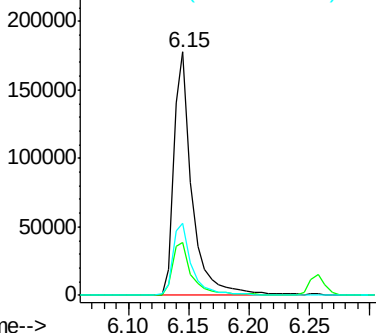
99 100

42 21.9 13.5 20.3#

71 29.9 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: 2.67 ng

RT: 7.05 min Scan# 878

Delta R.T. 0.12 min

Lab File: BF097140.D

Acq: 27 Jul 2017 23:29

Tgt Ion: 70 Resp: 15139

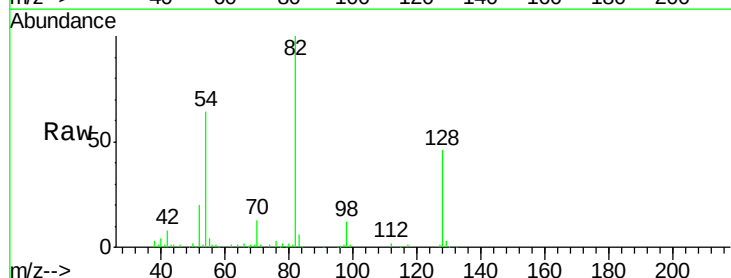
Ion Ratio Lower Upper

70 100

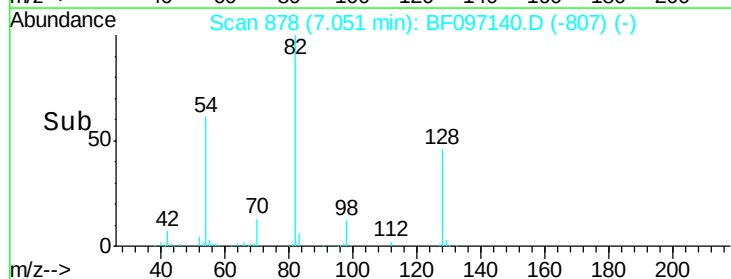
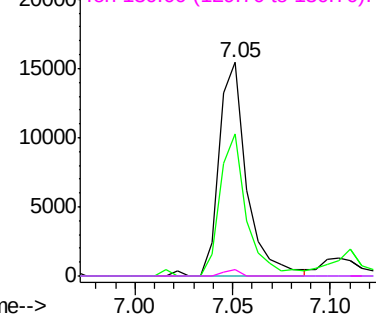
42 66.3 47.2 70.8

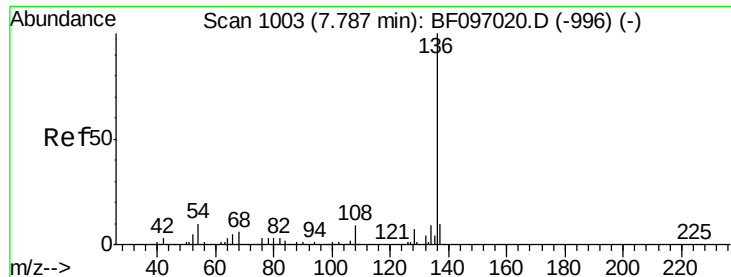
101 0.0 7.2 10.8#

130 2.8 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

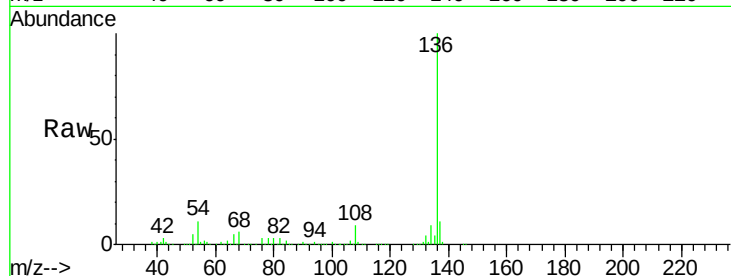




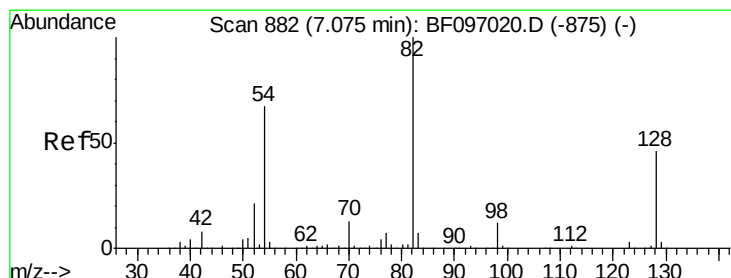
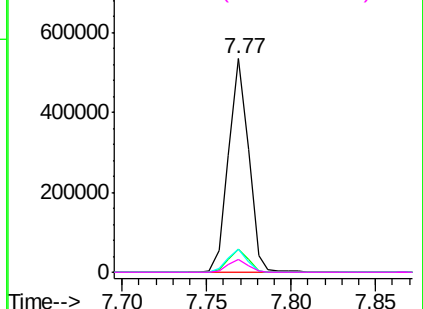
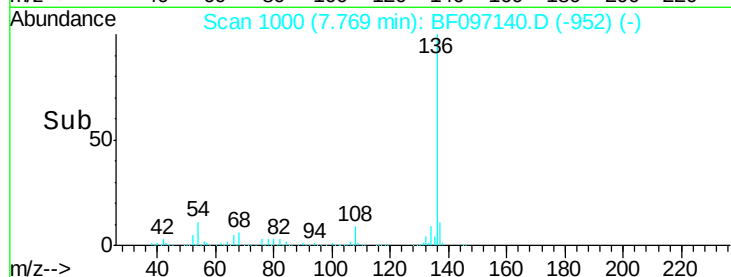
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.77 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF097140.D
Acq: 27 Jul 2017 23:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	441281
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.5 12.7
54	10.7	4.9 7.3#
68	6.2	4.1 6.1#

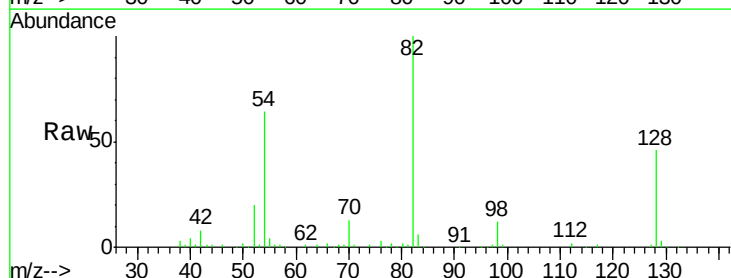


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

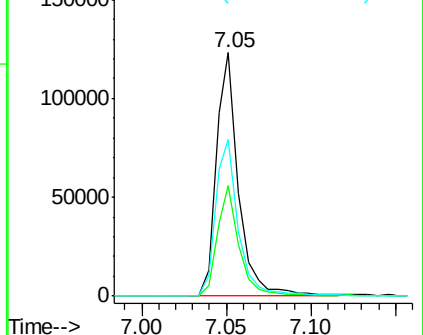
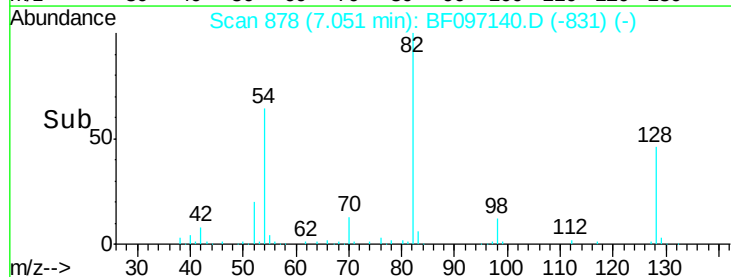


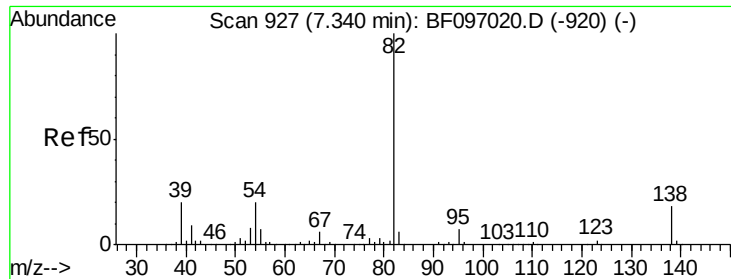
#23
Nitrobenzene-d5
Concen: 15.09 ng
RT: 7.05 min Scan# 878
Delta R.T. -0.02 min
Lab File: BF097140.D
Acq: 27 Jul 2017 23:29

Tgt Ion: 82	Resp:	113547
Ion Ratio	Lower	Upper
82	100	
128	45.5	34.0 51.0
54	64.3	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: 7.55 ng

RT: 7.05 min Scan# 878

Delta R.T. -0.29 min

Lab File: BF097140.D

Acq: 27 Jul 2017 23:29

Instrument :

BNA_F

ClientSampleId :

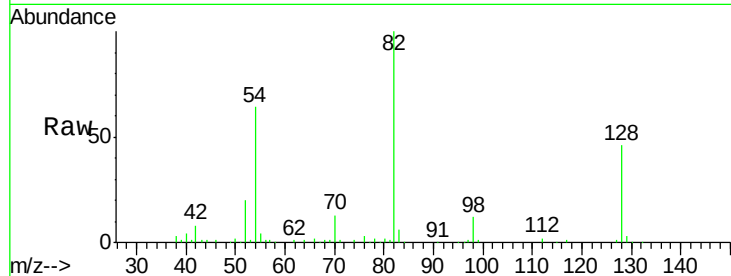
Tot Ion: 82 Resp: 111152

Ion Ratio Lower Upper

82 100

95 0.3 5.3 7.9#

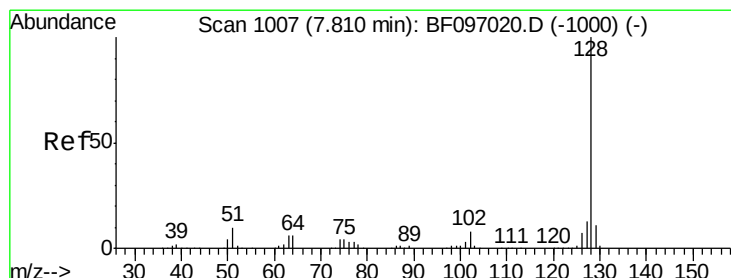
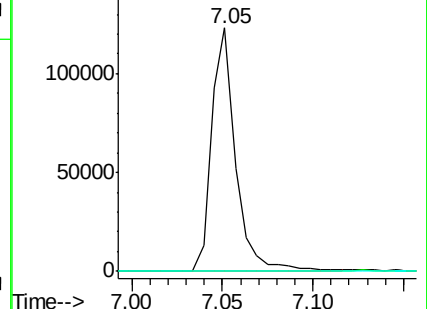
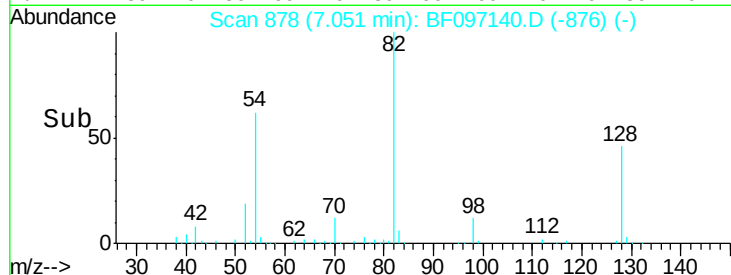
138 0.0 13.1 19.7#



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



#31

Naphthalene

Concen: 10.10 ng

RT: 7.79 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BF097140.D

Acq: 27 Jul 2017 23:29

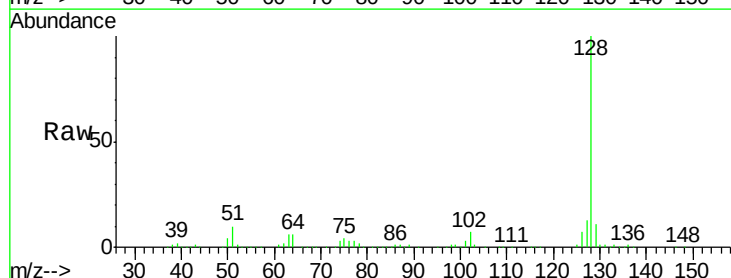
Tgt Ion:128 Resp: 210082

Ion Ratio Lower Upper

128 100

129 10.6 9.0 13.6

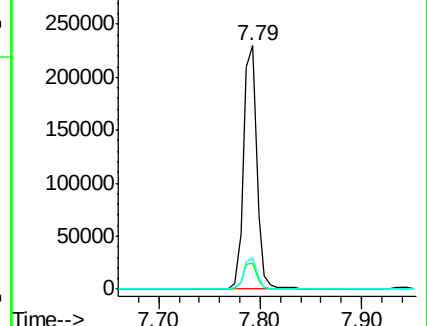
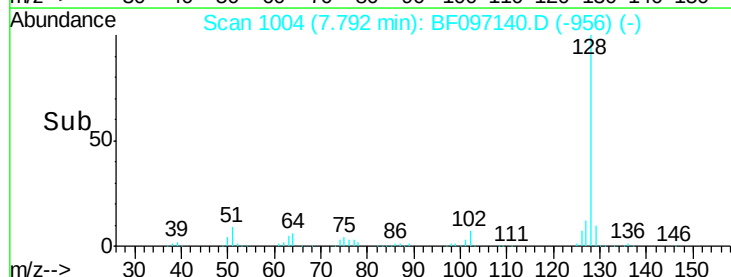
127 12.6 10.8 16.2

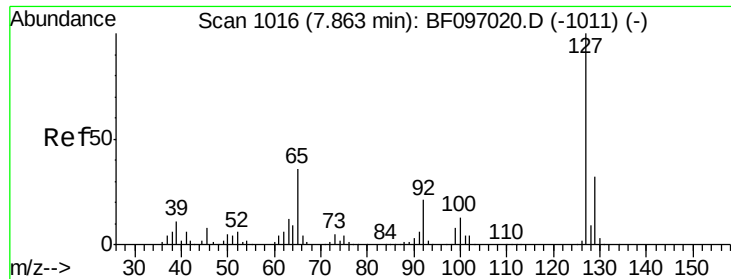


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

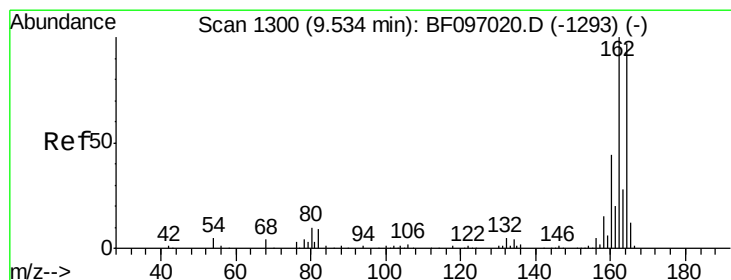
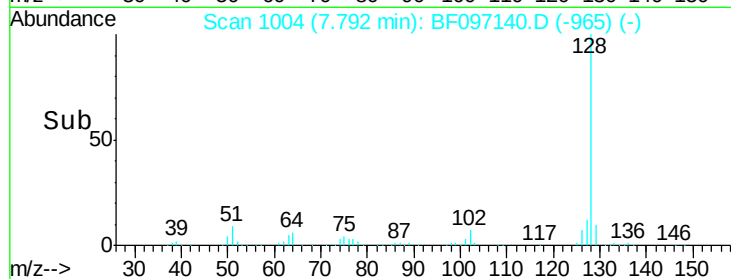
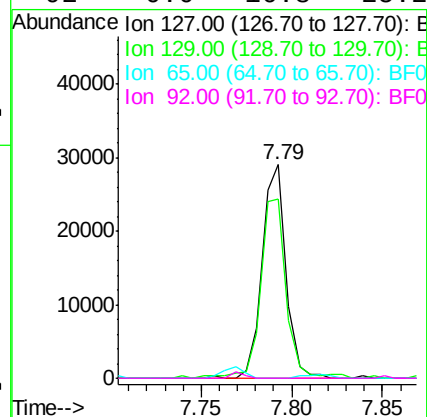
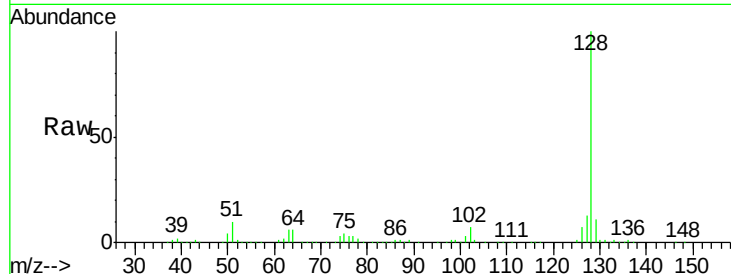




#33
4-Chloroaniline
Concen: 3.14 ng
RT: 7.79 min Scan# 1004
Delta R.T. -0.07 min
Lab File: BF097140.D
Acq: 27 Jul 2017 23:29

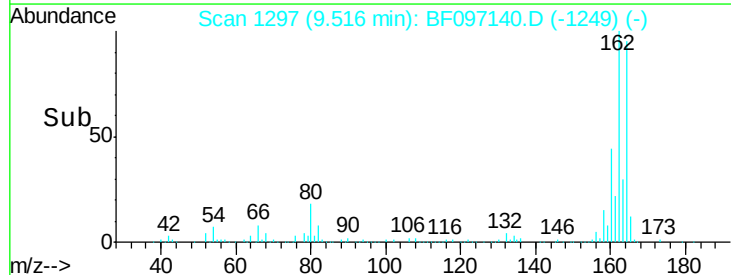
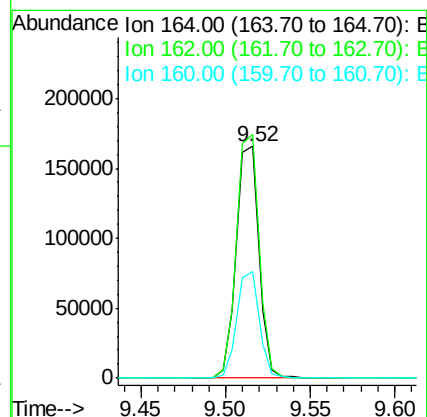
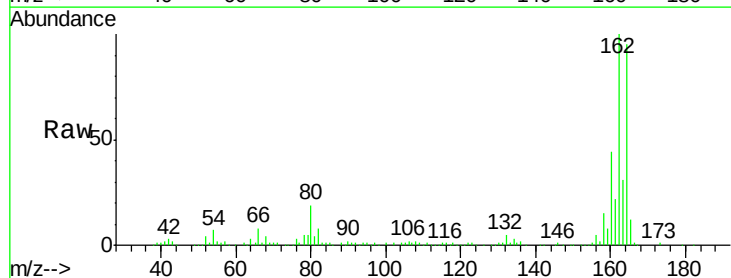
Instrument :
BNA_F
ClientSampleId :

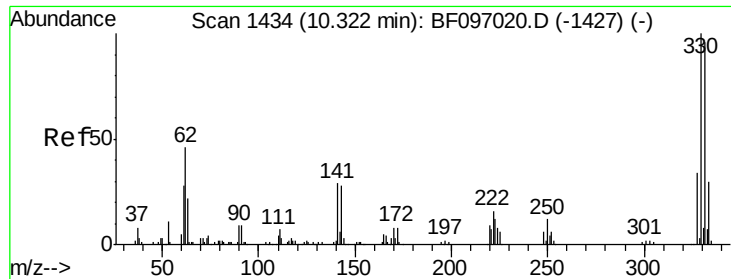
Tot Ion:	127	Resp:	26537
Ion	Ratio	Lower	Upper
127	100		
129	83.8	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.52 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF097140.D
Acq: 27 Jul 2017 23:29

Tgt Ion:	164	Resp:	154941
Ion	Ratio	Lower	Upper
164	100		
162	105.1	82.6	123.8
160	45.8	36.2	54.2

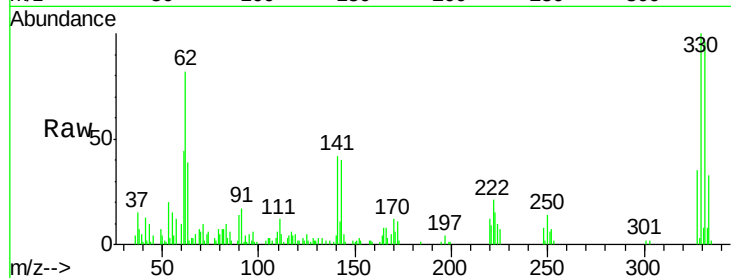




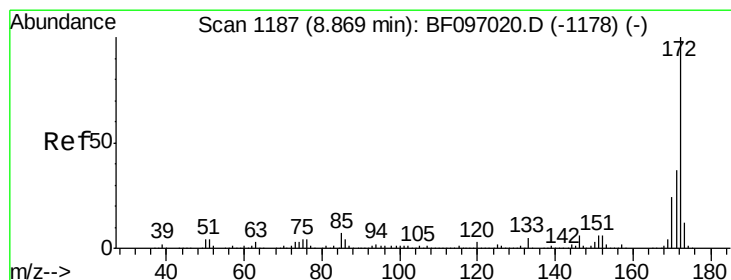
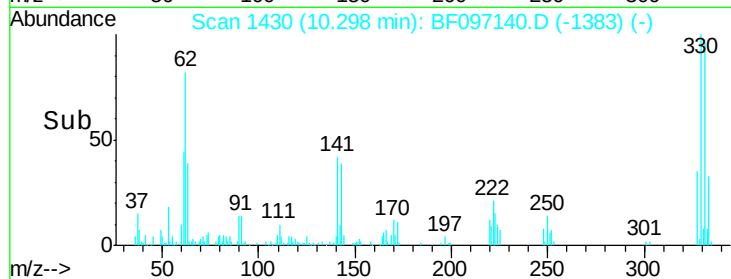
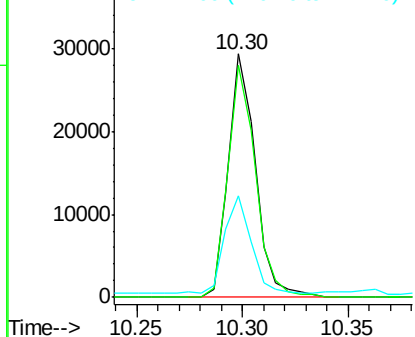
#41
 2,4,6-Tribromophenol
 Concen: 21.33 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF097140.D
 Acq: 27 Jul 2017 23:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.6	115.0
141	39.4	31.4	47.2

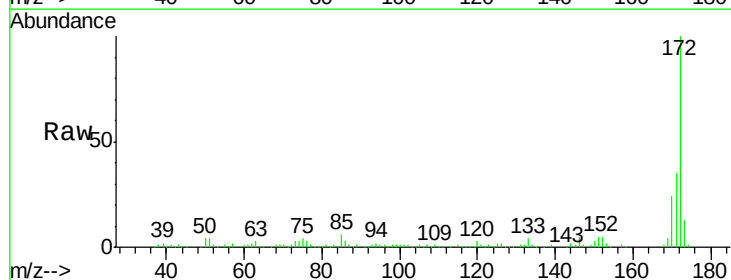


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

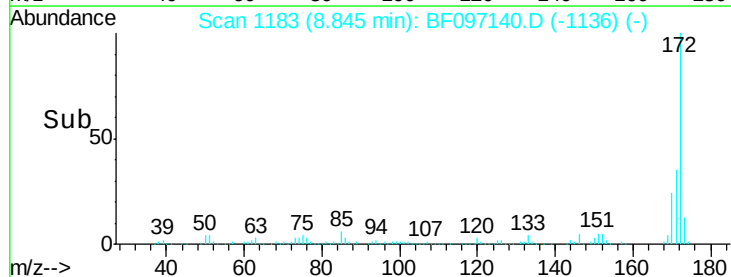
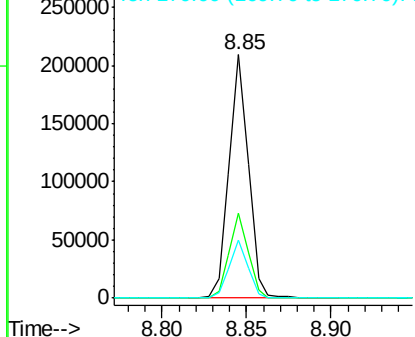


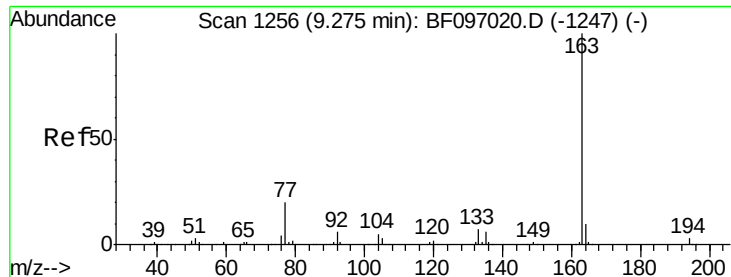
#44
 2-Fluorobiphenyl
 Concen: 18.26 ng
 RT: 8.85 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF097140.D
 Acq: 27 Jul 2017 23:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.6	44.4
170	23.6	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

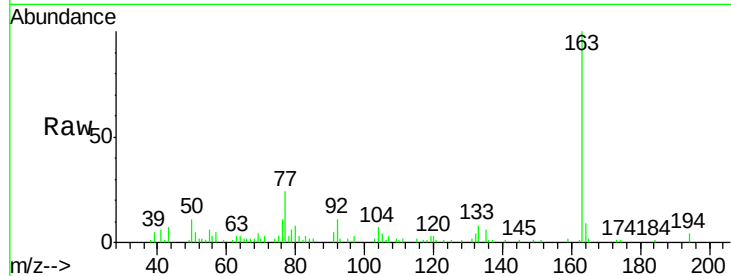




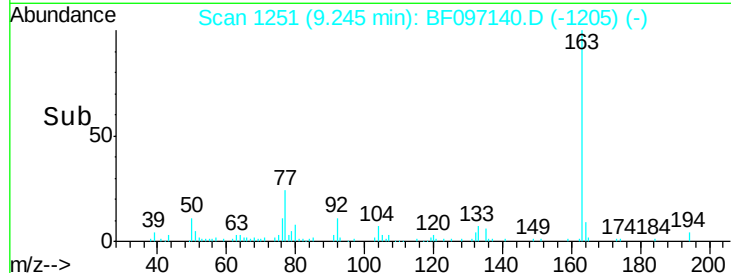
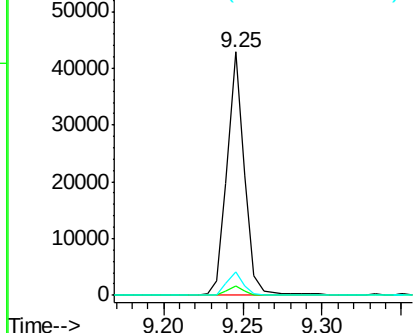
#49
Dimethylphthalate
Concen: 2.79 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF097140.D
Acq: 27 Jul 2017 23:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 32769
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 9.5 8.4 12.6

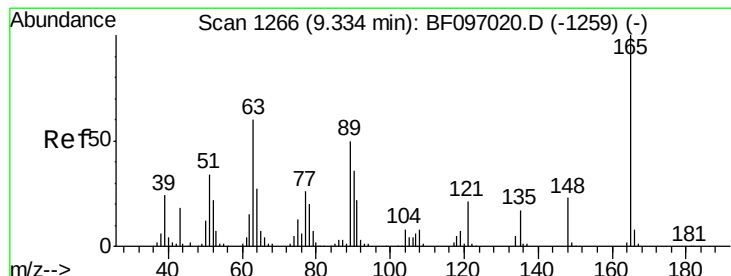


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

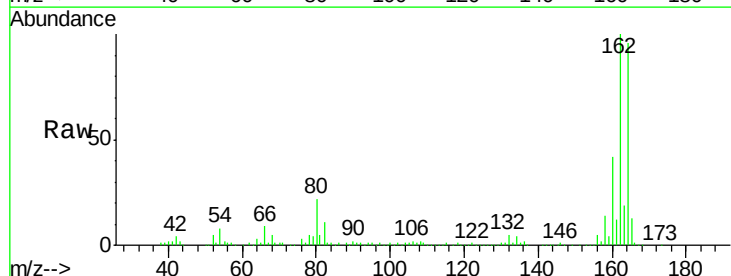
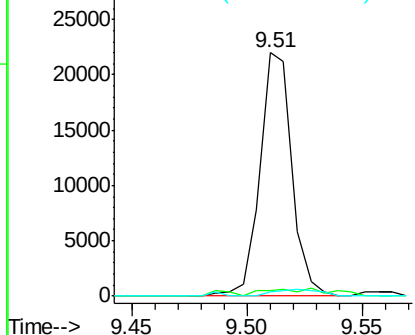


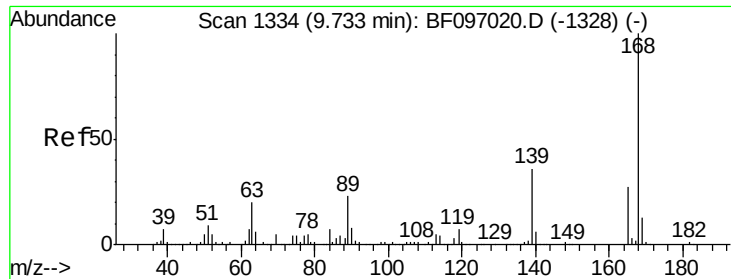
#50
2,6-Dinitrotoluene
Concen: 8.54 ng
RT: 9.51 min Scan# 1296
Delta R.T. 0.18 min
Lab File: BF097140.D
Acq: 27 Jul 2017 23:29

Tgt Ion:165 Resp: 21304
Ion Ratio Lower Upper
165 100
63 2.2 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

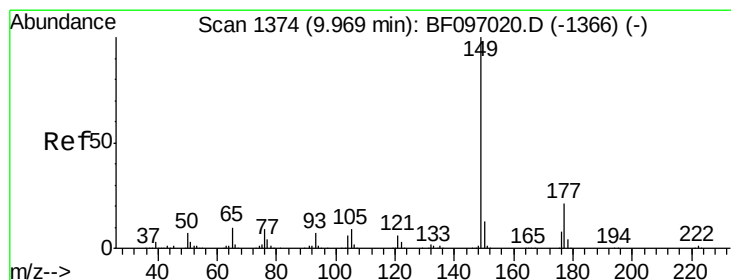
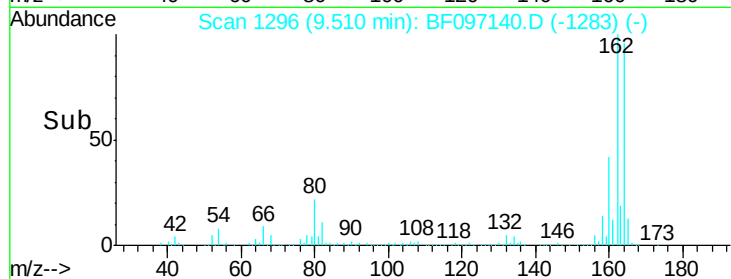
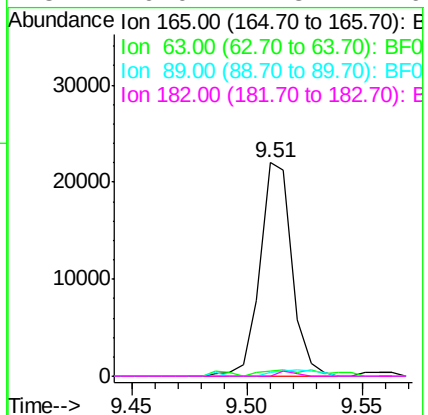
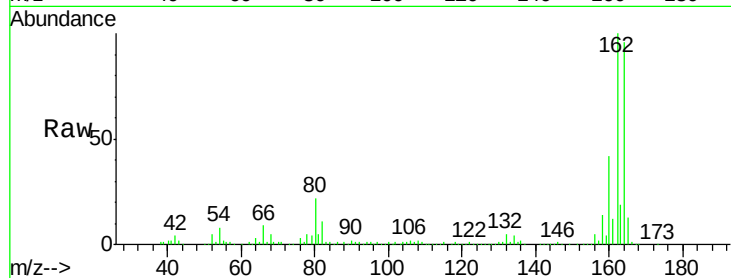




#56
 2,4-Dinitrotoluene
 Concen: 7.43 ng
 RT: 9.51 min Scan# 1296
 Delta R.T. -0.22 min
 Lab File: BF097140.D
 Acq: 27 Jul 2017 23:29

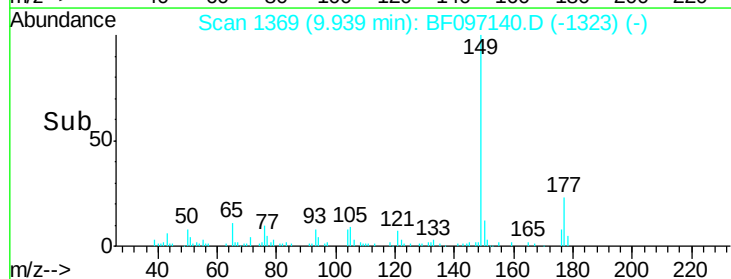
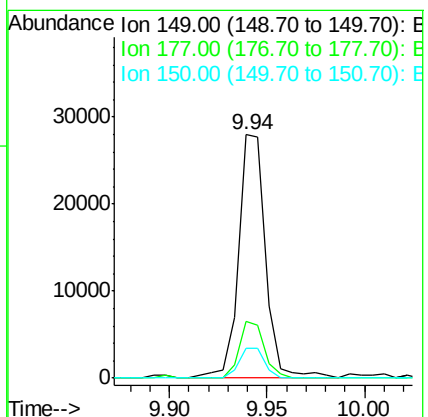
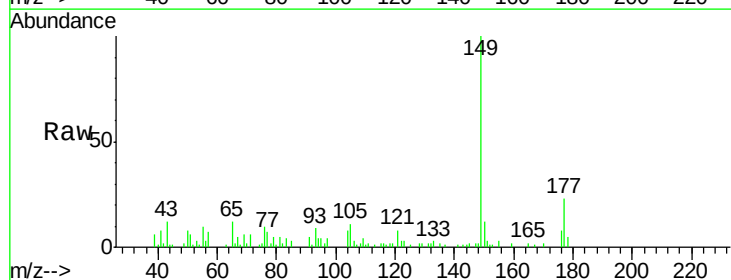
Instrument :
 BNA_F
 ClientSampleId :

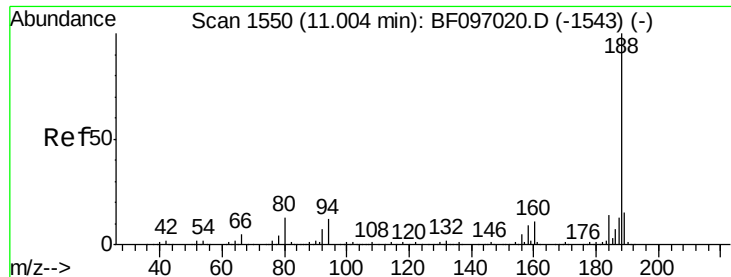
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.2	25.4	38.0#
89	1.8	46.4	69.6#
182	0.0	1.8	2.6#



#59
 Diethylphthalate
 Concen: 2.48 ng
 RT: 9.94 min Scan# 1369
 Delta R.T. -0.03 min
 Lab File: BF097140.D
 Acq: 27 Jul 2017 23:29

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.2	16.7	25.1
150	12.2	10.2	15.2

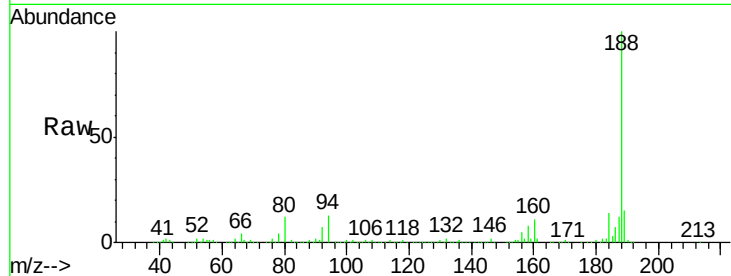




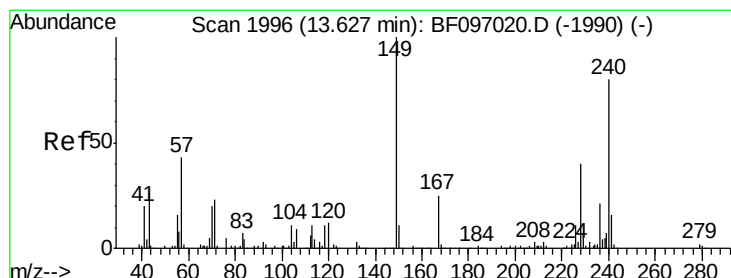
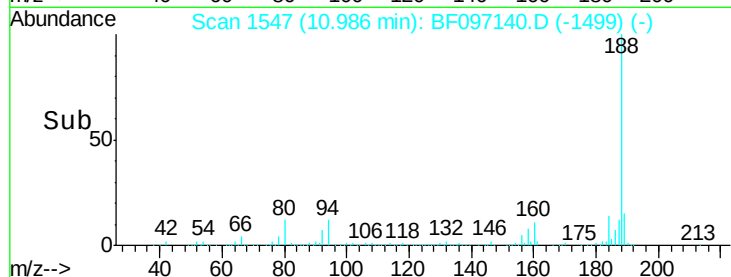
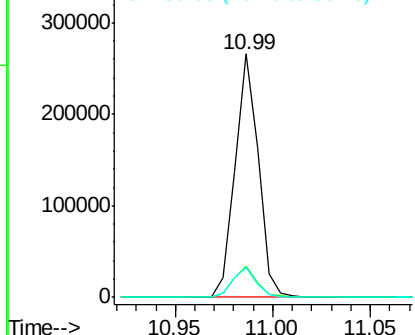
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.99 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF097140.D
Acq: 27 Jul 2017 23:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 219910
Ion Ratio Lower Upper
188 100
94 12.6 9.4 14.2
80 12.5 10.2 15.2

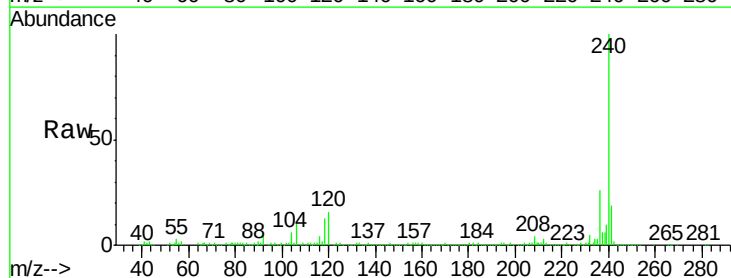


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

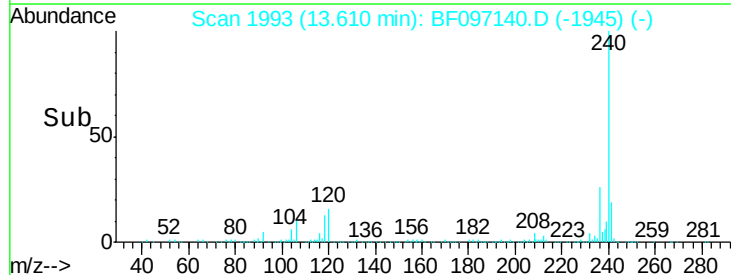
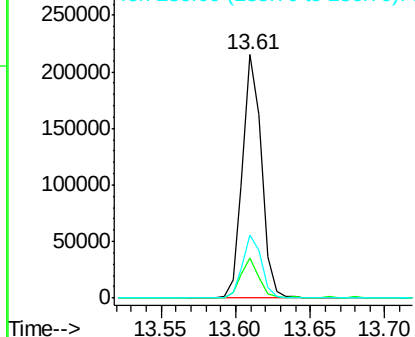


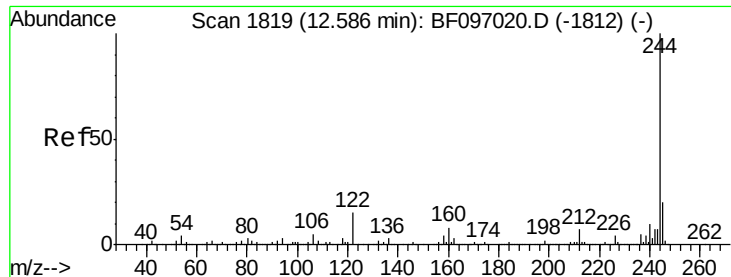
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.61 min Scan# 1993
Delta R.T. -0.02 min
Lab File: BF097140.D
Acq: 27 Jul 2017 23:29

Tgt Ion:240 Resp: 191814
Ion Ratio Lower Upper
240 100
120 16.5 5.8 8.8#
236 25.9 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: 10.06 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF097140.D

Acq: 27 Jul 2017 23:29

Instrument :

BNA_F

ClientSampleId :

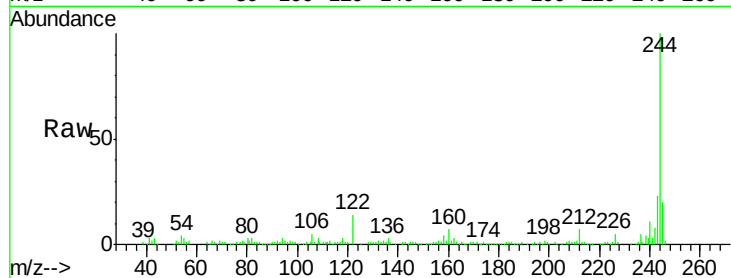
Tot Ion:244 Resp: 94670

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

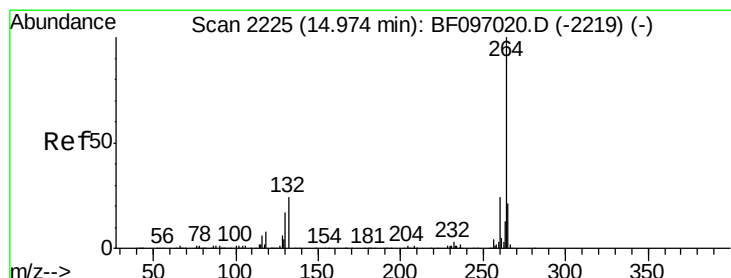
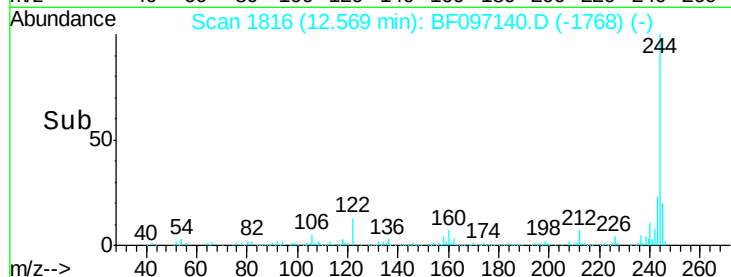
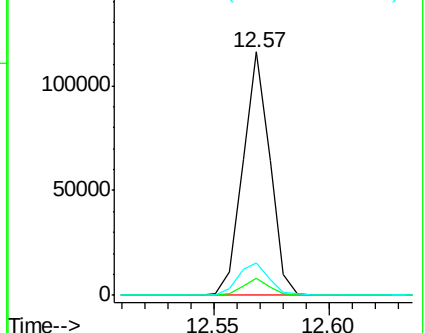
122 13.5 10.3 15.5



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: 20.00 ng

RT: 14.96 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BF097140.D

Acq: 27 Jul 2017 23:29

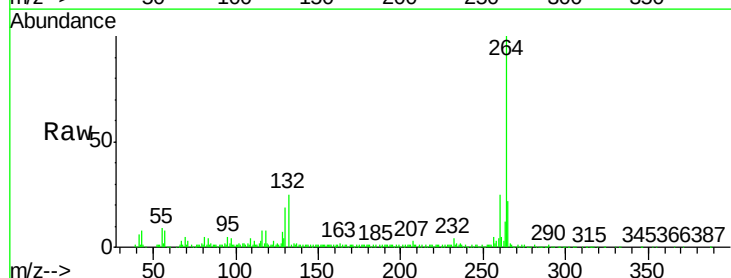
Tgt Ion:264 Resp: 160091

Ion Ratio Lower Upper

264 100

260 24.8 19.5 29.3

265 22.1 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

