

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090717\
 Data File : BF098343.D
 Acq On : 8 Sep 2017 5:33
 Operator : SJ/JU
 Sample : I5132-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 090617-TIDO-F-D-S

Quant Time: Sep 08 07:04:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 17:28:20 2017
 Response via : Initial Calibration

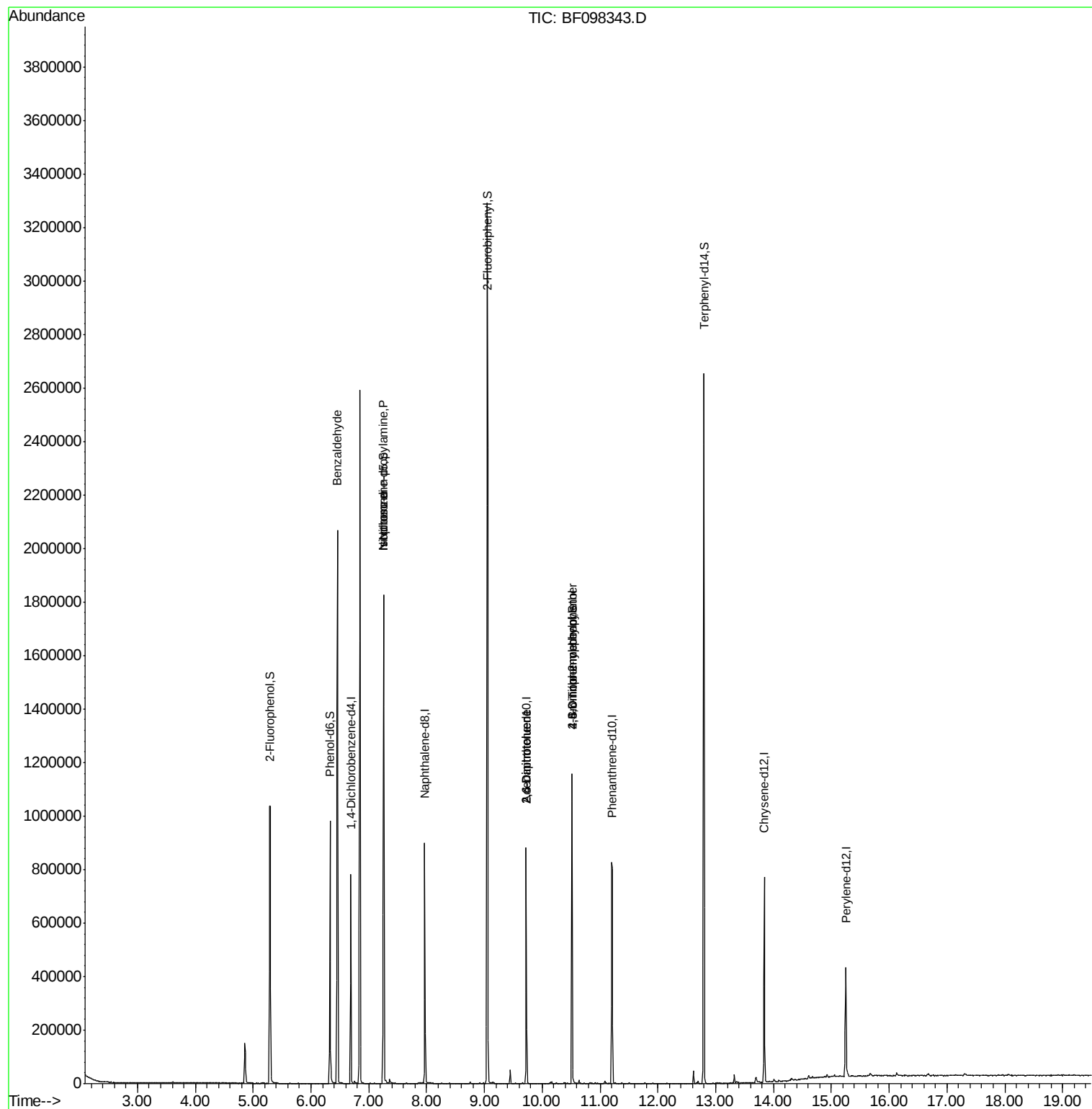
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	105156	20.00	ng	-0.02
21) Naphthalene-d8	7.97	136	396787	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	167582	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	306505	20.00	ng	-0.02
75) Chrysene-d12	13.84	240	253591	20.00	ng	-0.02
86) Perylene-d12	15.25	264	172982	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	325930	47.15	ng	-0.01
7) Phenol-d6	6.33	99	307086	32.69	ng	-0.02
23) Nitrobenzene-d5	7.26	82	737715	101.00	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	139111	95.67	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	1107033	97.05	ng	-0.02
78) Terphenyl-d14	12.80	244	873949	71.87	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.46	77	12602	2.118	ng	# 74
19) n-Nitroso-di-n-propylamine	7.26	70	96718	15.041	ng	# 71
25) Isophorone	7.26	82	737710	48.573	ng	# 67
50) 2,6-Dinitrotoluene	9.72	165	21808	8.919	ng	# 34
56) 2,4-Dinitrotoluene	9.72	165	21808	7.107	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.51	198	238	8.457	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	8957	2.814	ng	# 1

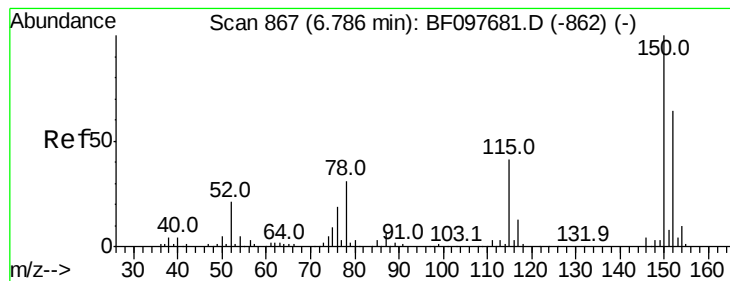
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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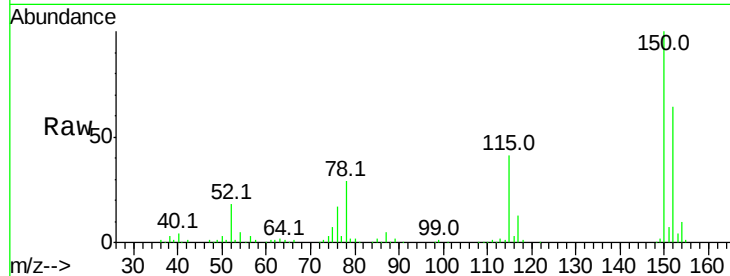


#1

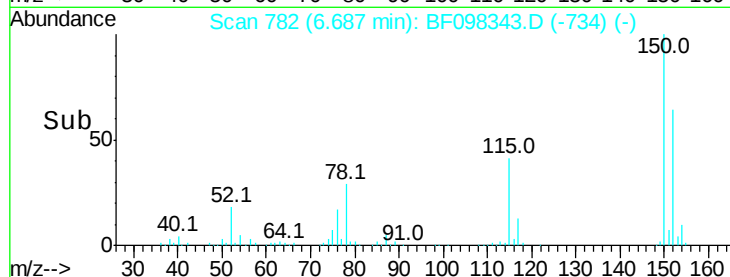
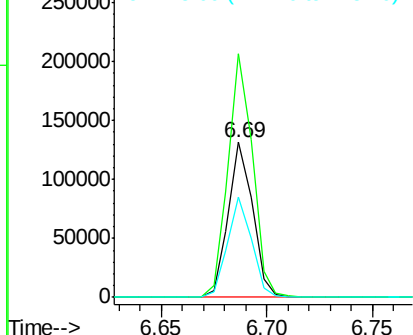
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 782
 Delta R.T. -0.02 min
 Lab File: BF098343.D
 Acq: 8 Sep 2017 5:33

Instrument :
 BNA_F
 ClientSampleId :
 090617-TIDO-F-D-S

Tot Ion:152 Resp: 105156
 Ion Ratio Lower Upper
 152 100
 150 156.9 126.2 189.2
 115 64.6 52.2 78.2



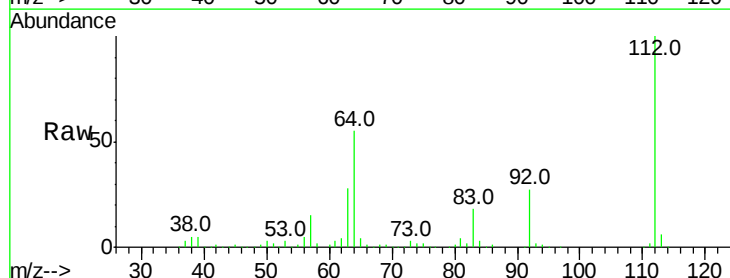
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



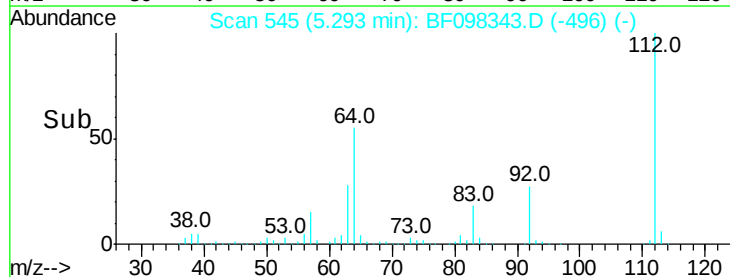
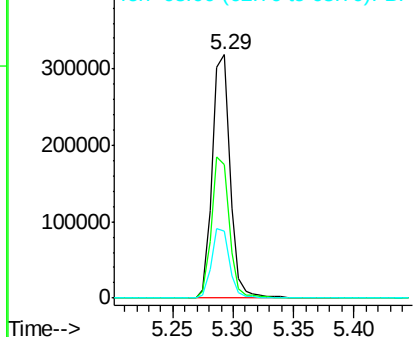
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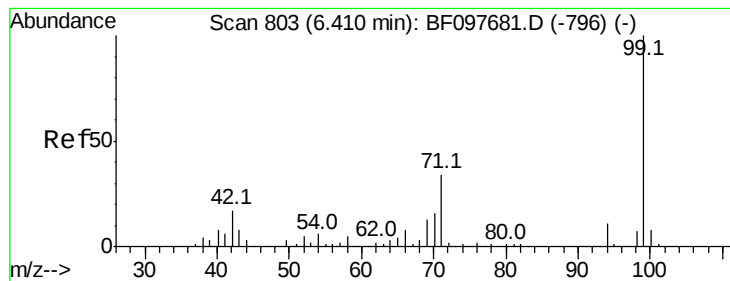
2-Fluorophenol
 Concen: 47.146 ng
 RT: 5.29 min Scan# 545
 Delta R.T. -0.01 min
 Lab File: BF098343.D
 Acq: 8 Sep 2017 5:33

Tgt Ion:112 Resp: 325930
 Ion Ratio Lower Upper
 112 100
 64 55.1 46.0 69.0
 63 27.7 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: 32.693 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF098343.D

Acq: 8 Sep 2017 5:33

Instrument :

BNA_F

ClientSampleId :

090617-TIDO-F-D-S

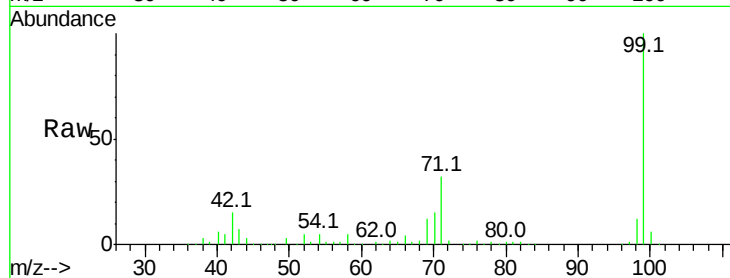
Tot Ion: 99 Resp: 307086

Ion Ratio Lower Upper

99 100

42 14.6 13.5 20.3

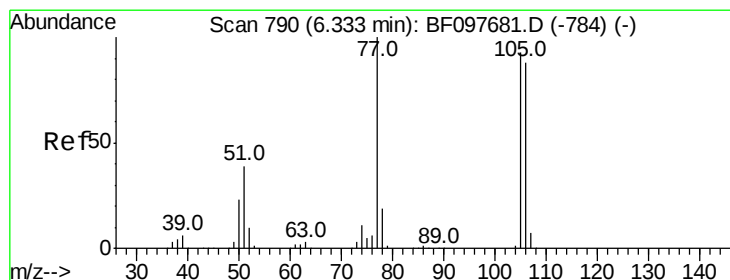
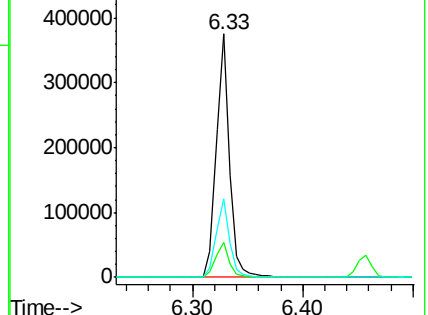
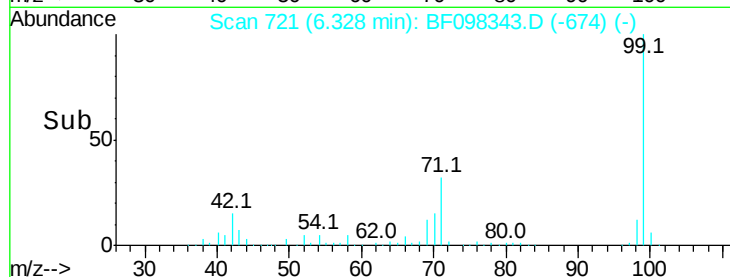
71 32.2 24.5 36.7



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



#9

Benzaldehyde

Concen: 2.118 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.21 min

Lab File: BF098343.D

Acq: 8 Sep 2017 5:33

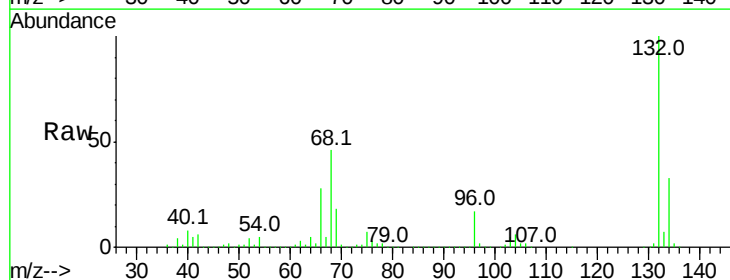
Tgt Ion: 77 Resp: 12602

Ion Ratio Lower Upper

77 100

105 77.5 83.8 123.8#

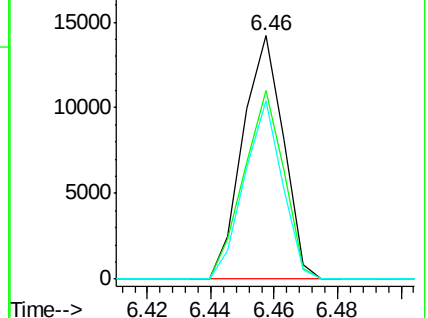
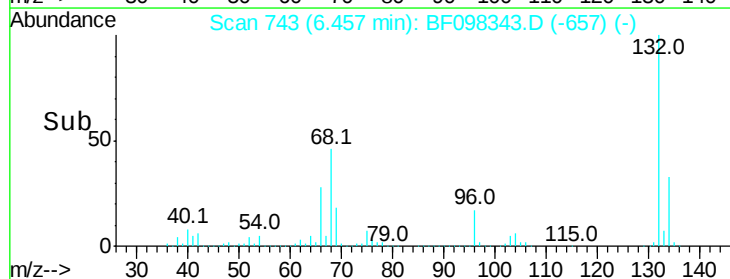
106 73.2 79.1 119.1#

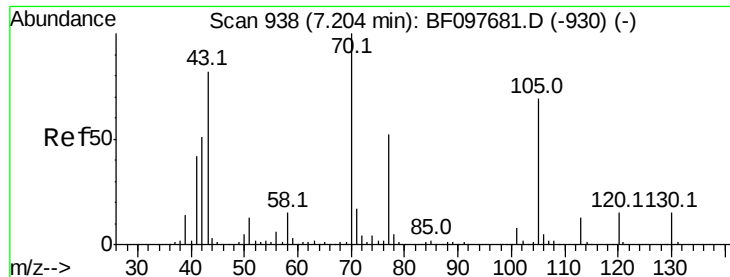


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

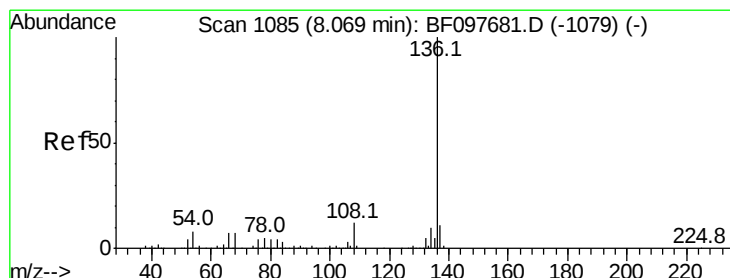
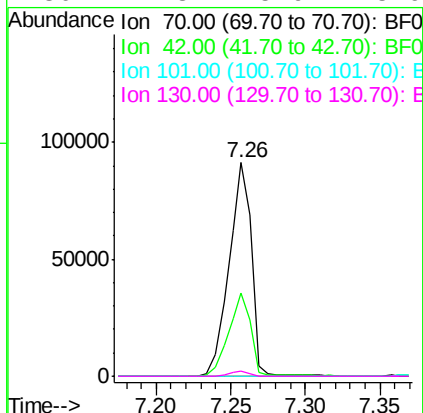
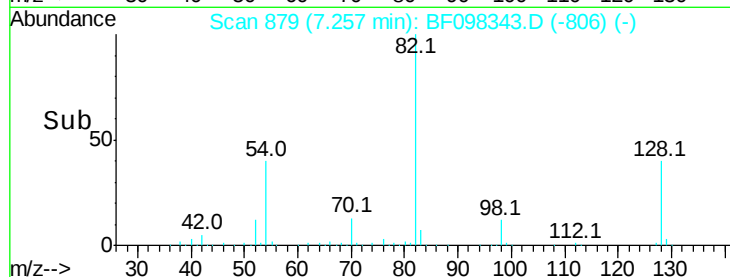
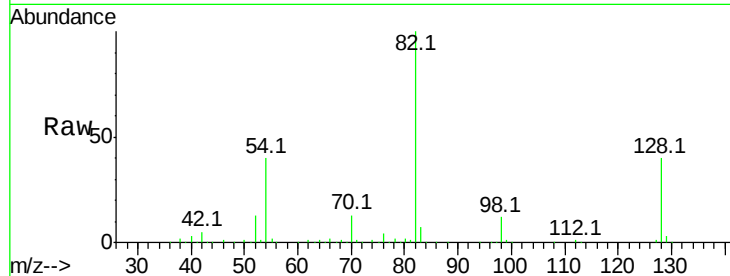




#19
n-Nitroso-di-n-propylamine
Concen: 15.041 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.13 min
Lab File: BF098343.D
Acq: 8 Sep 2017 5:33

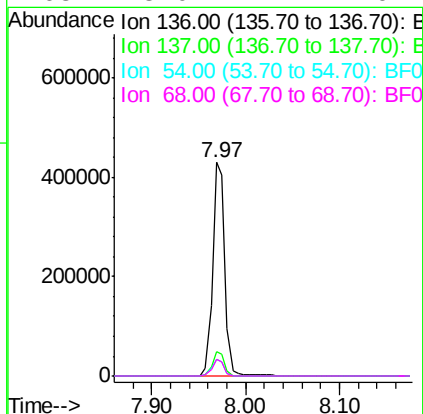
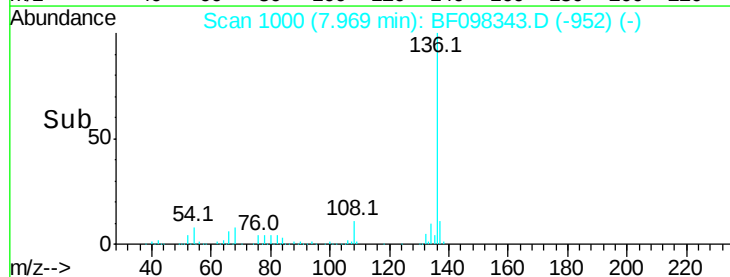
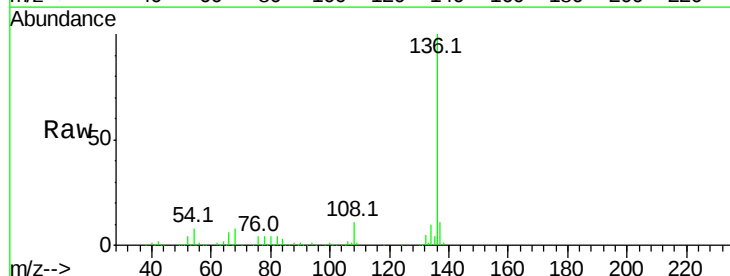
Instrument :
BNA_F
ClientSampleId :
090617-TIDO-F-D-S

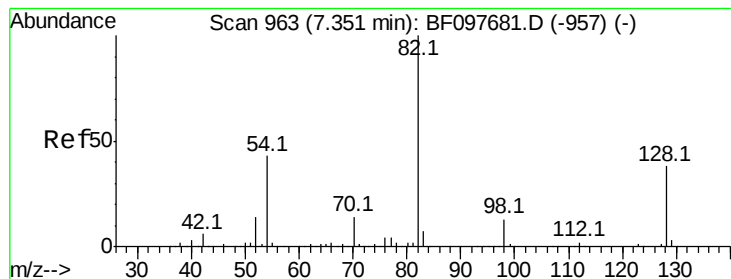
Tot Ion: 70 Resp: 96718
Ion Ratio Lower Upper
70 100
42 39.1 47.2 70.8#
101 0.0 7.2 10.8#
130 2.3 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF098343.D
Acq: 8 Sep 2017 5:33

Tgt Ion: 136 Resp: 396787
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 7.9 4.9 7.3#
68 8.0 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 101.001 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.02 min

Lab File: BF098343.D

Acq: 8 Sep 2017 5:33

Instrument :

BNA_F

ClientSampleId :

090617-TIDO-F-D-S

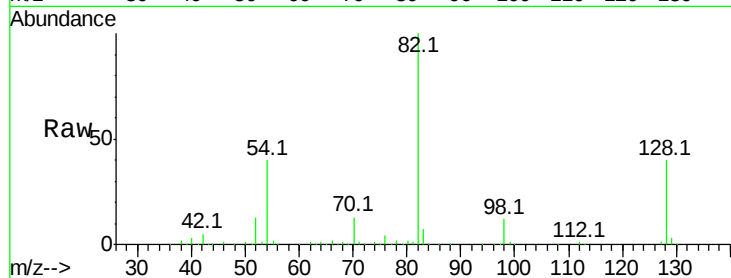
Tot Ion: 82 Resp: 737715

Ion Ratio Lower Upper

82 100

128 40.0 34.0 51.0

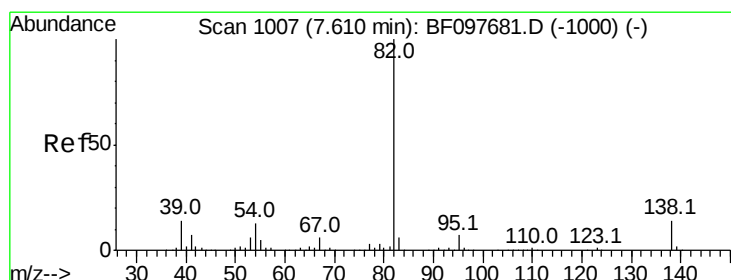
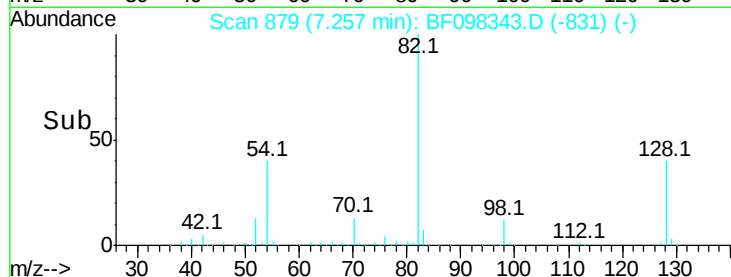
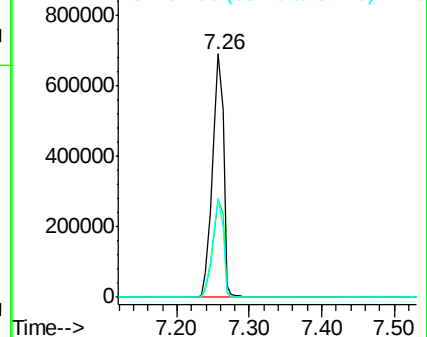
54 40.5 42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 48.573 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.28 min

Lab File: BF098343.D

Acq: 8 Sep 2017 5:33

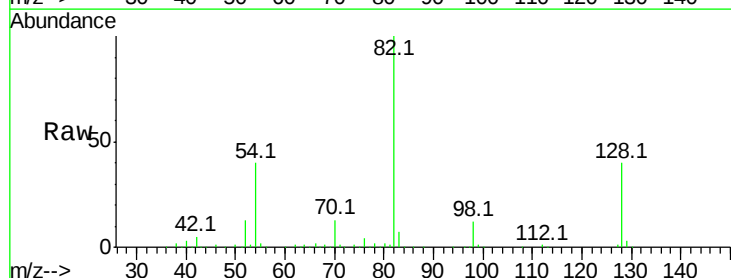
Tgt Ion: 82 Resp: 737710

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

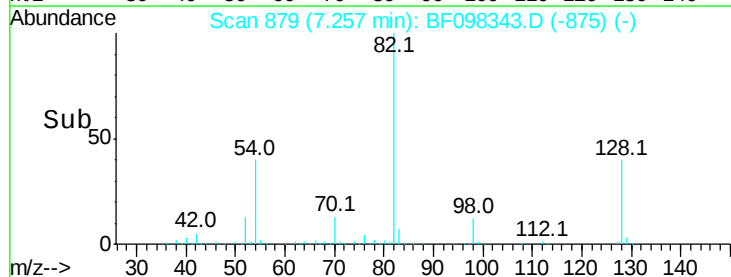
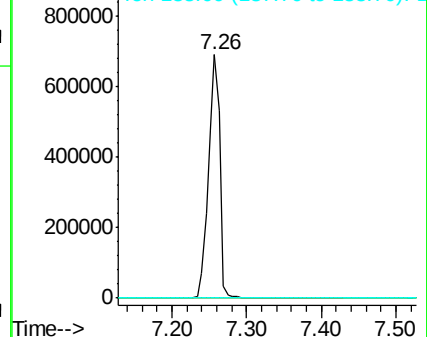
138 0.0 13.1 19.7#

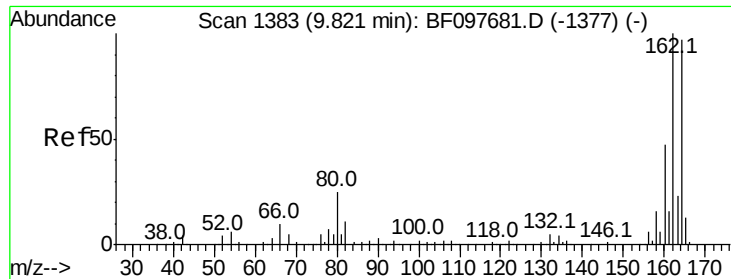


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BF098343.D

Acq: 8 Sep 2017 5:33

Instrument :

BNA_F

ClientSampleId :

090617-TIDO-F-D-S

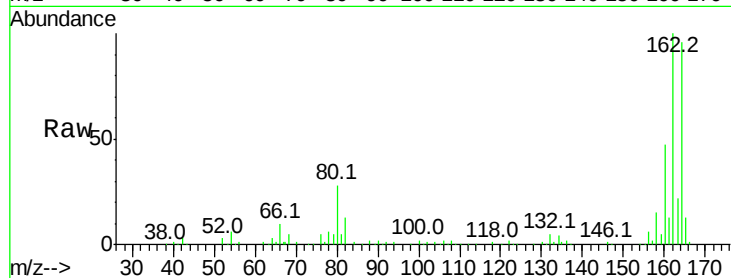
Tot Ion:164 Resp: 167582

Ion Ratio Lower Upper

164 100

162 104.7 82.6 123.8

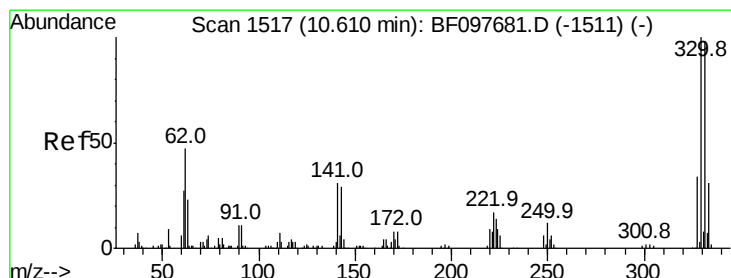
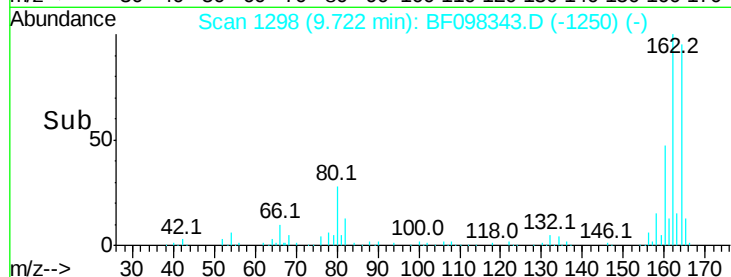
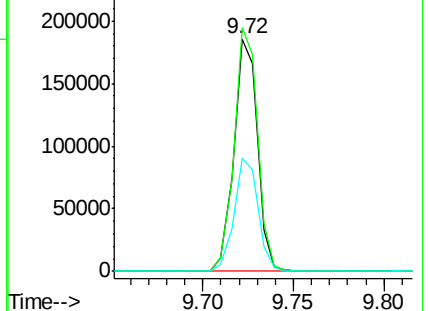
160 48.8 36.2 54.2



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: 95.672 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.02 min

Lab File: BF098343.D

Acq: 8 Sep 2017 5:33

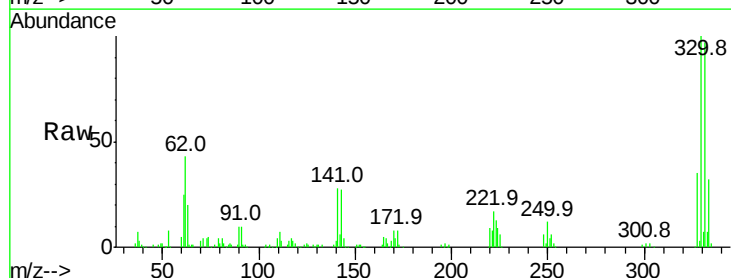
Tgt Ion:330 Resp: 139111

Ion Ratio Lower Upper

330 100

332 96.8 76.6 115.0

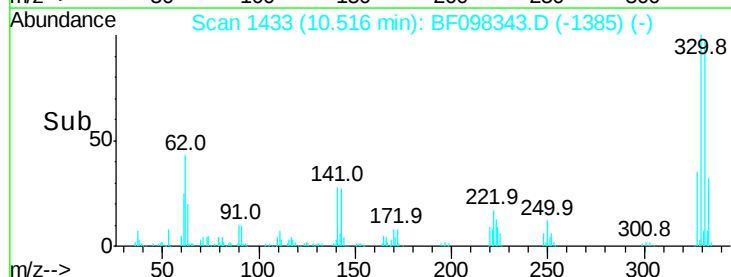
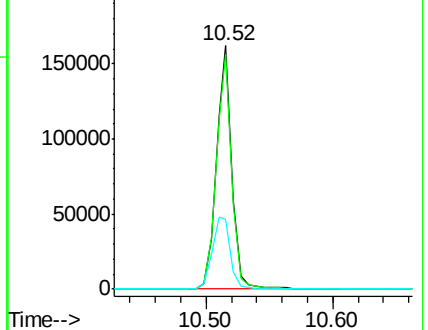
141 34.7 31.4 47.2

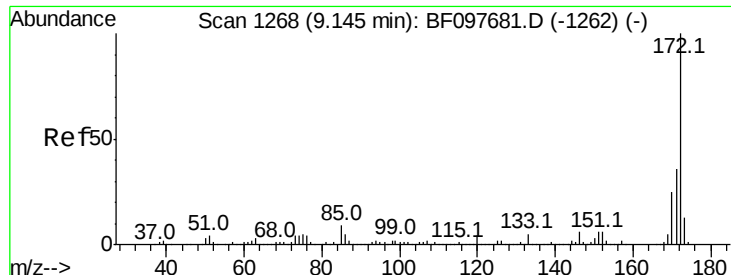


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



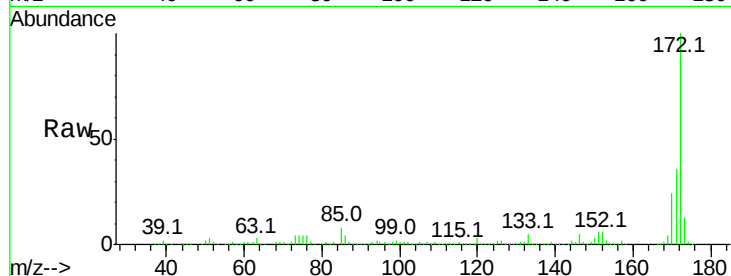


#44
 2-Fluorobiphenyl
 Concen: 97.055 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF098343.D
 Acq: 8 Sep 2017 5:33

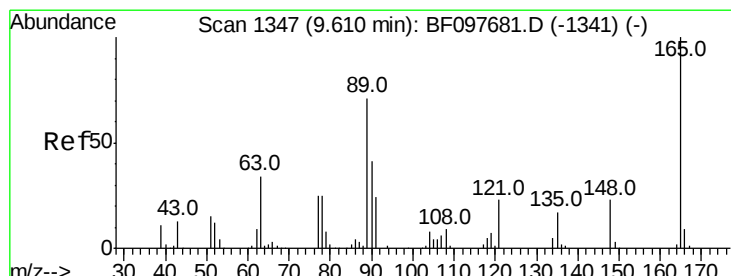
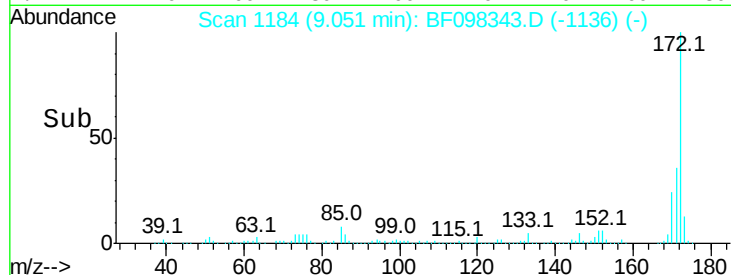
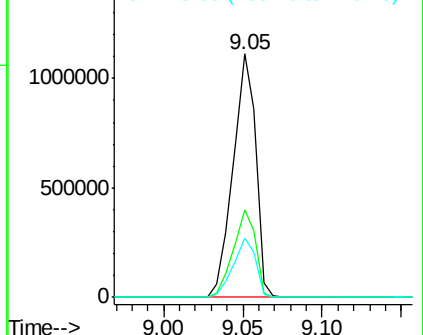
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Tot Ion:172 Resp: 1107033

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	24.3	19.8	29.8



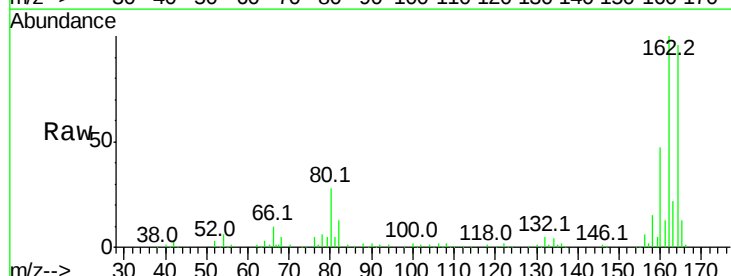
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



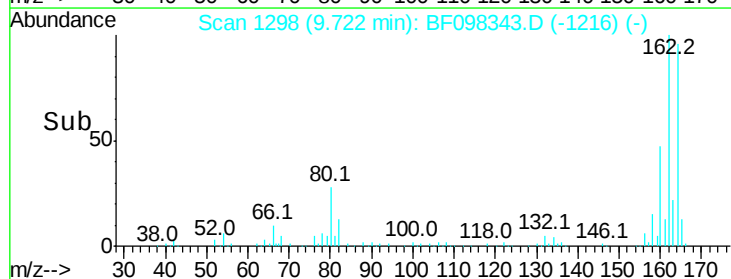
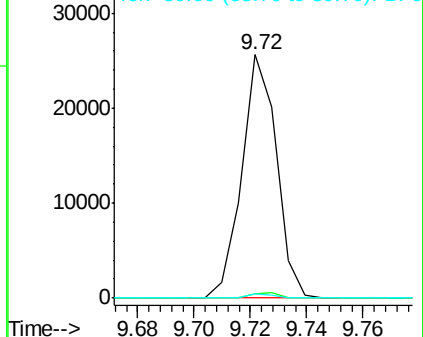
#50
 2,6-Dinitrotoluene
 Concen: 8.919 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. 0.18 min
 Lab File: BF098343.D
 Acq: 8 Sep 2017 5:33

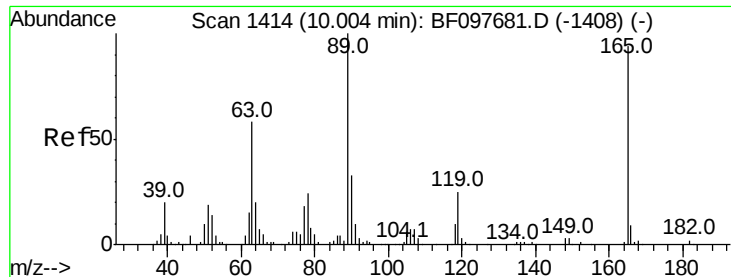
Tgt Ion:165 Resp: 21808

Ion	Ratio	Lower	Upper
165	100		
63	1.5	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

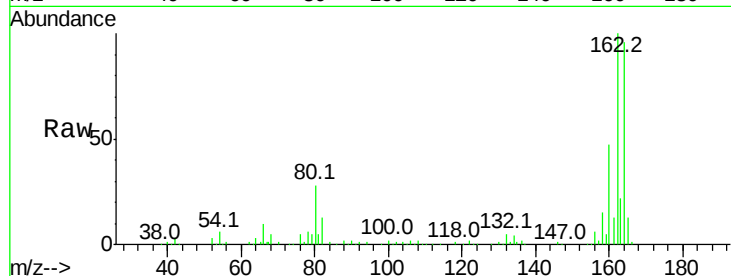




#56
 2,4-Dinitrotoluene
 Concen: 7.107 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.22 min
 Lab File: BF098343.D
 Acq: 8 Sep 2017 5:33

Instrument :
 BNA_F
 ClientSampleId :
 090617-TIDO-F-D-S

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	25.4	38.0#
89	1.7	46.4	69.6#
182	0.0	1.8	2.6#

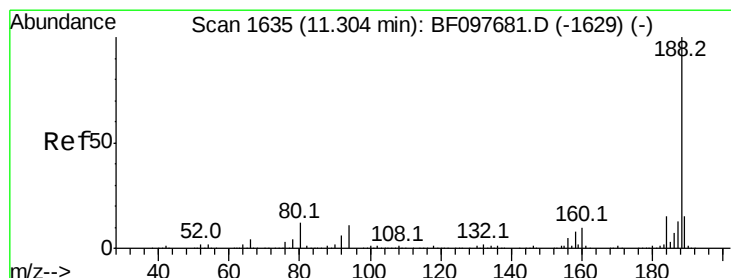
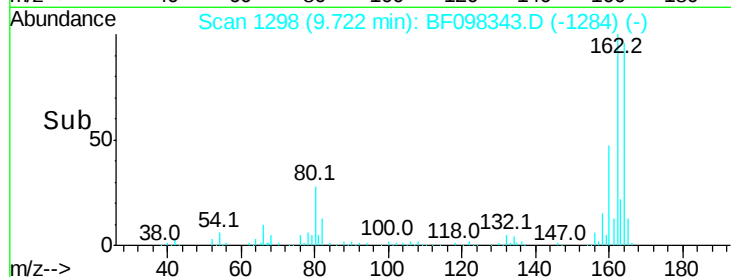
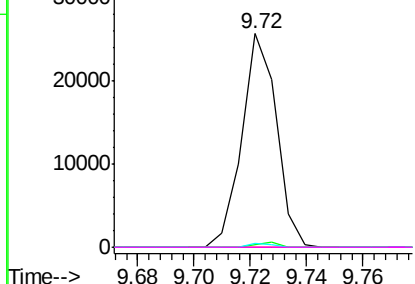


Abundance Ion 165.00 (164.70 to 165.70): E

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



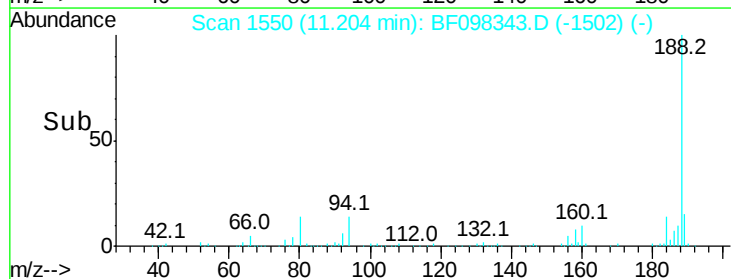
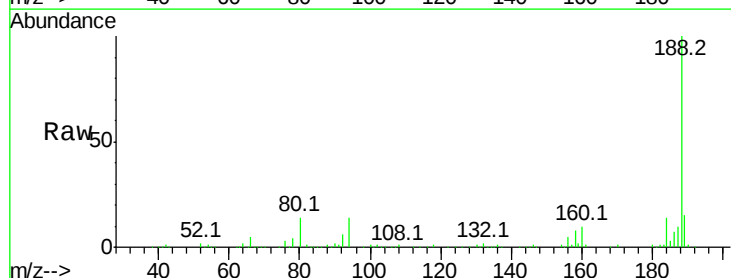
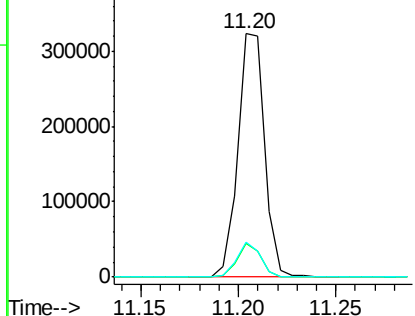
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1550
 Delta R.T. -0.02 min
 Lab File: BF098343.D
 Acq: 8 Sep 2017 5:33

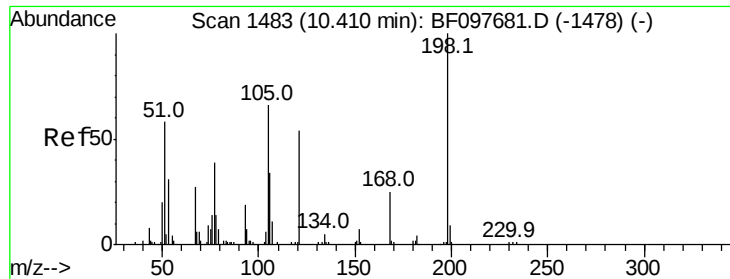
Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.7	9.4	14.2
80	14.3	10.2	15.2

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

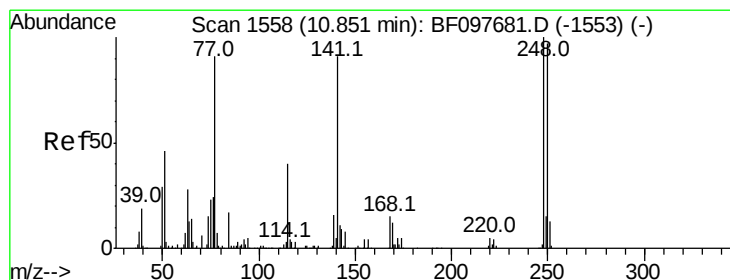
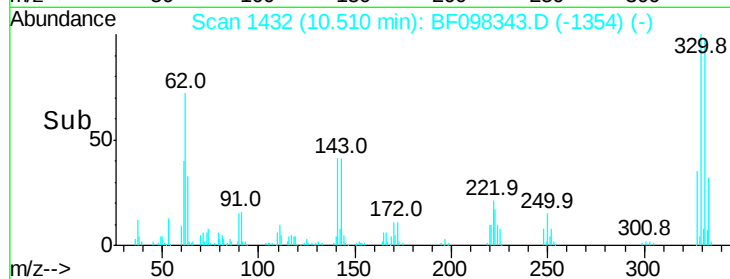
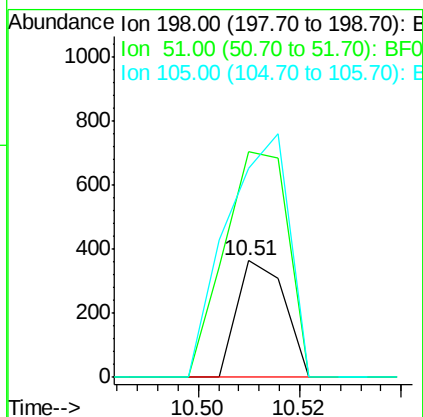
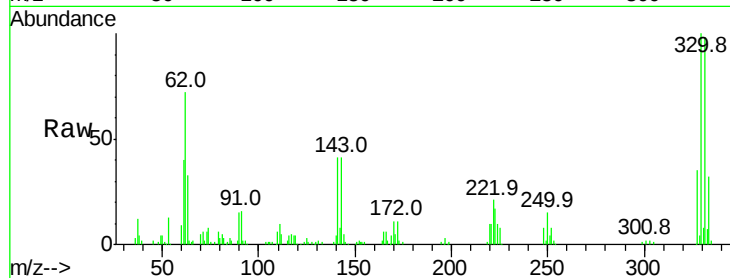




#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.457 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. 0.16 min
 Lab File: BF098343.D
 Acq: 8 Sep 2017 5:33

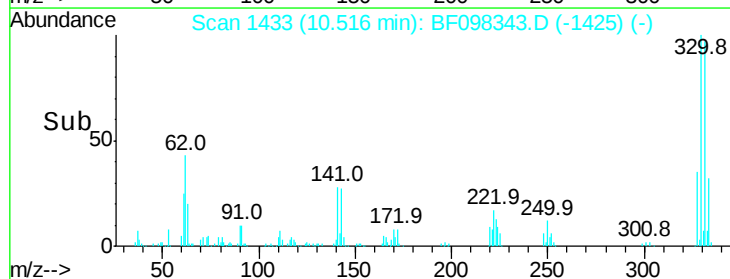
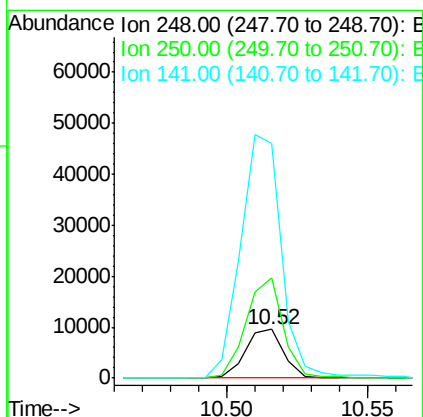
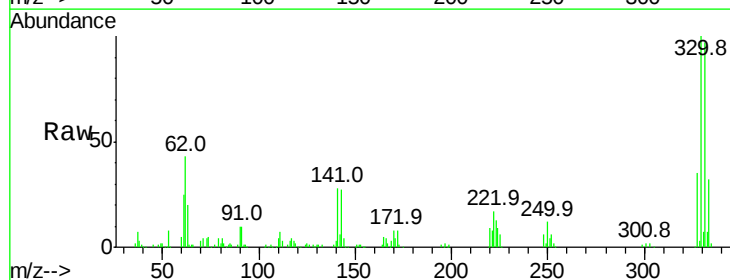
Instrument :
 BNA_F
 ClientSampleId :
 090617-TIDO-F-D-S

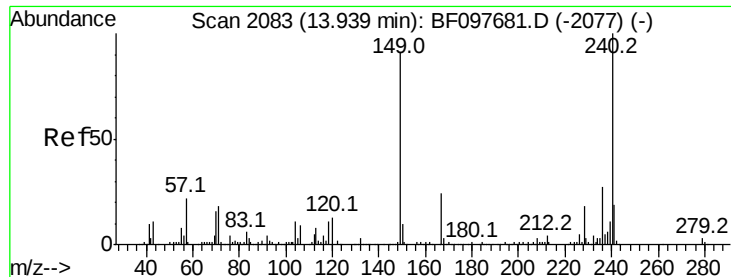
Tot Ion	Ratio	Lower	Upper
198	100		
51	193.4	53.2	93.2#
105	179.9	45.8	85.8#



#66
 4-Bromophenyl-phenylether
 Concen: 2.814 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.25 min
 Lab File: BF098343.D
 Acq: 8 Sep 2017 5:33

Tgt Ion	Ratio	Lower	Upper
248	100		
250	205.2	76.8	115.2#
141	479.2	68.6	103.0#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BF098343.D

Acq: 8 Sep 2017 5:33

Instrument :

BNA_F

ClientSampleId :

090617-TIDO-F-D-S

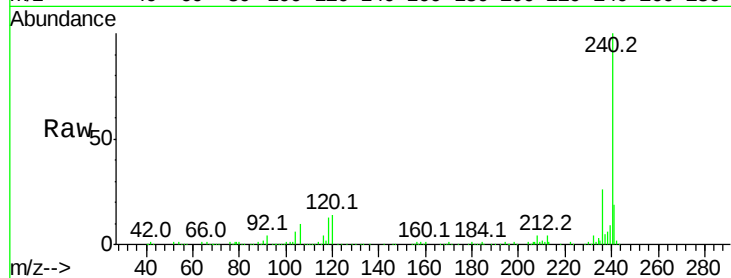
Tot Ion:240 Resp: 253591

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

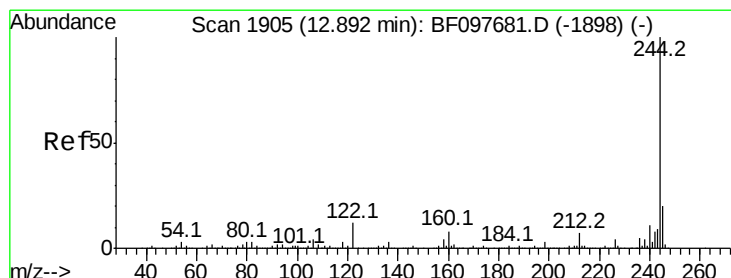
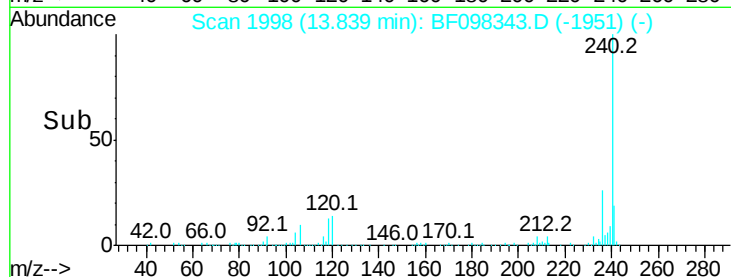
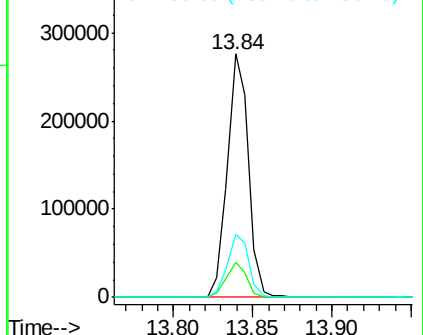
236 26.0 20.5 30.7



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: 71.867 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF098343.D

Acq: 8 Sep 2017 5:33

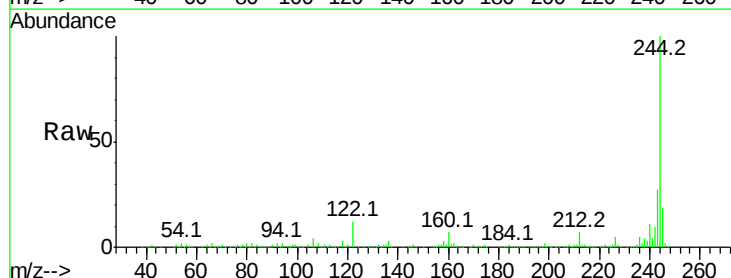
Tgt Ion:244 Resp: 873949

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

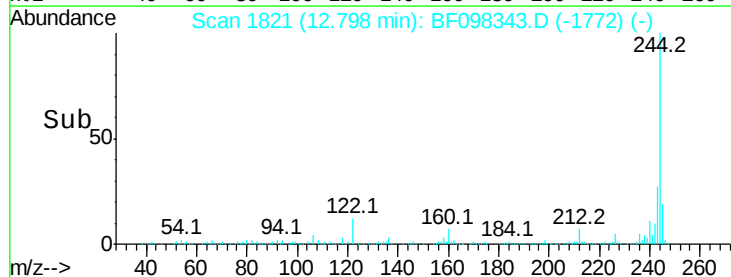
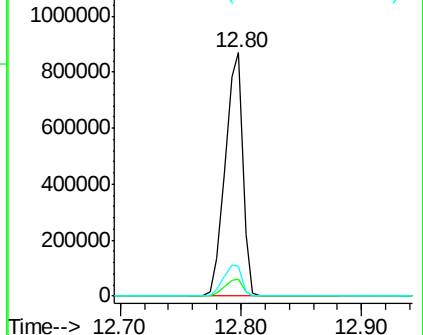
122 12.1 10.3 15.5

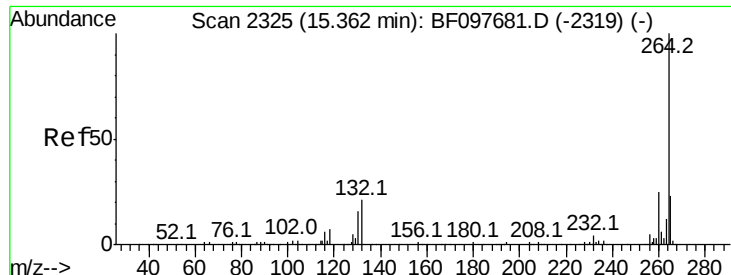


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

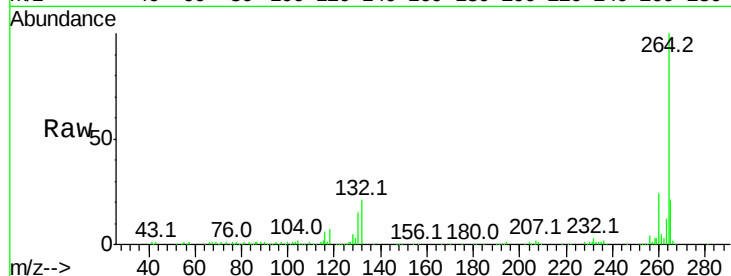




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.25 min Scan# 2238
 Delta R.T. -0.01 min
 Lab File: BF098343.D
 Acq: 8 Sep 2017 5:33

Instrument :
 BNA_F
 ClientSampleId :
 090617-TIDO-F-D-S

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.1	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

