

Data Path : Z:\HPCHEM1\BNA_F\Data\BF101217\
 Data File : BF099428.D
 Acq On : 13 Oct 2017 8:21
 Operator : SJ/JU
 Sample : I5777-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 100917-TIDO-F-D-S

Quant Time: Oct 13 12:20:47 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	108320	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	442345	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	176992	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	275788	20.00	ng	0.00
75) Chrysene-d12	14.02	240	225714	20.00	ng	0.00
86) Perylene-d12	15.49	264	174763	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	324751	47.73	ng	0.00
7) Phenol-d6	6.48	99	247286	29.46	ng	0.00
23) Nitrobenzene-d5	7.42	82	694056	100.62	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	121103	83.62	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1188631	112.11	ng	0.00
78) Terphenyl-d14	12.96	244	911528	91.84	ng	0.00

Target Compounds

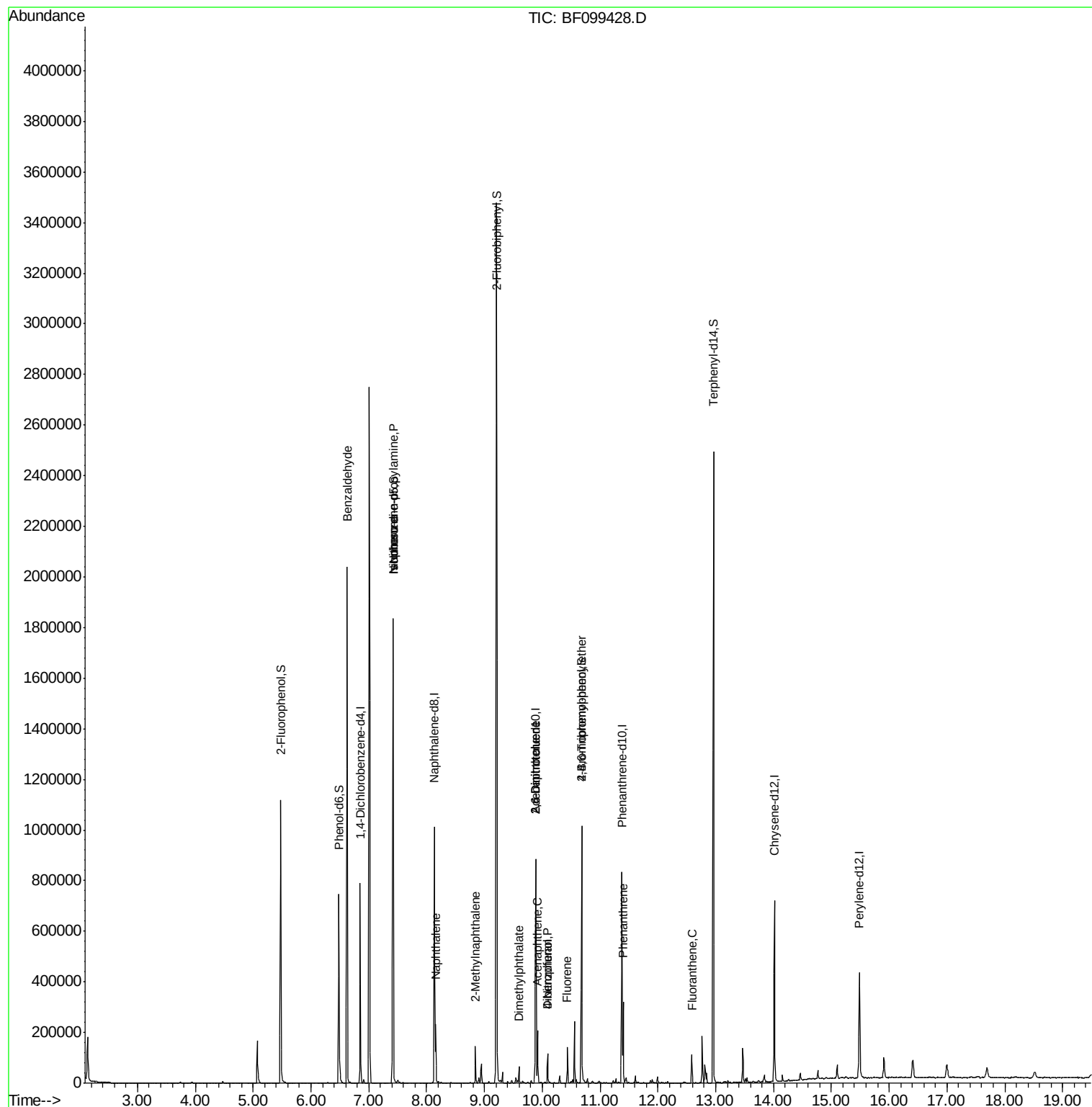
						Qvalue
9) Benzaldehyde	6.62	77	10651	2.187	ng	85
19) n-Nitroso-di-n-propylamine	7.42	70	88057	16.431	ng	# 73
25) Isophorone	7.42	82	694048	48.668	ng	# 64
31) Naphthalene	8.16	128	108505	5.223	ng	98
37) 2-Methylnaphthalene	8.85	142	38177	2.827	ng	98
49) Dimethylphthalate	9.60	163	27539	2.062	ng	99
50) 2,6-Dinitrotoluene	9.89	165	22819	7.846	ng	# 25
51) Acenaphthene	9.92	154	44149	3.986	ng	97
54) Dibenzofuran	10.09	168	45291	3.071	ng	100
55) 4-Nitrophenol	10.09	139	16465	5.742	ng	# 9
56) 2,4-Dinitrotoluene	9.89	165	22819	6.046	ng	# 22
57) Fluorene	10.43	166	37573	3.170	ng	98
66) 4-Bromophenyl-phenylether	10.68	248	8302	3.075	ng	# 1
70) Phenanthrene	11.40	178	108602	7.357	ng	97
74) Fluoranthene	12.59	202	41819	2.798	ng	97

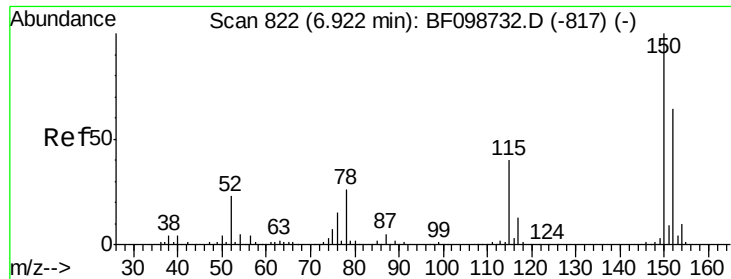
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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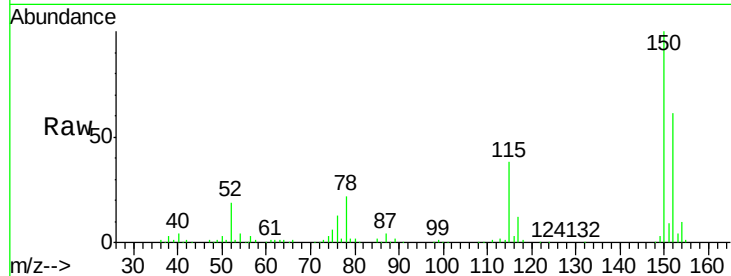


#1

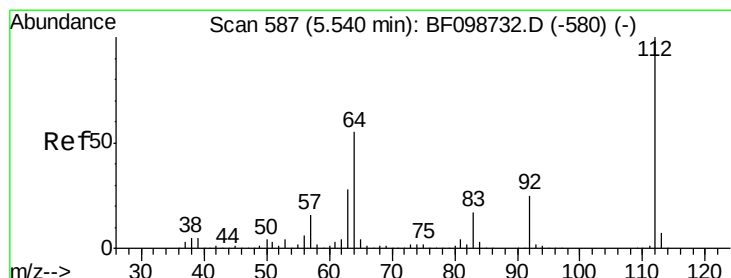
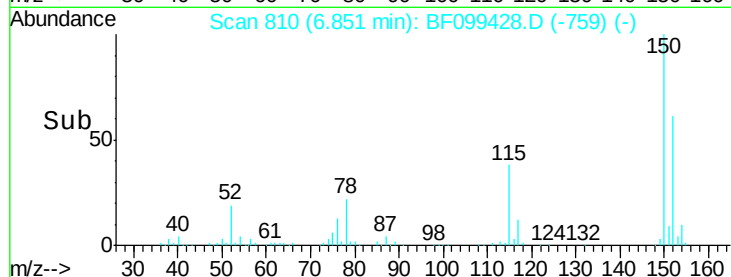
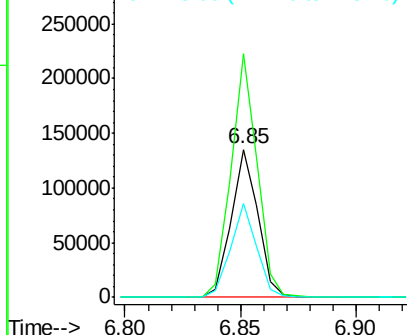
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF099428.D
Acq: 13 Oct 2017 8:21

Instrument :
BNA_F
ClientSampleId :
100917-TIDO-F-D-S

Tgt Ion	Ratio	Lower	Upper
152	100		
150	164.4	124.6	186.8
115	63.2	50.1	75.1



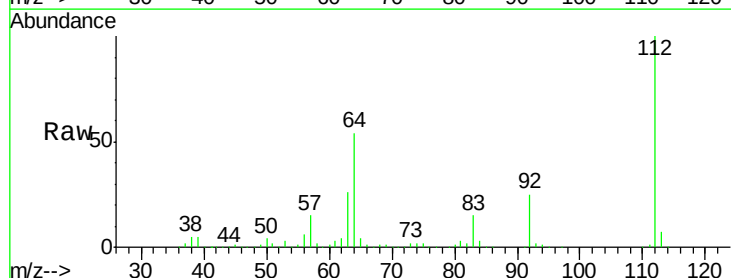
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



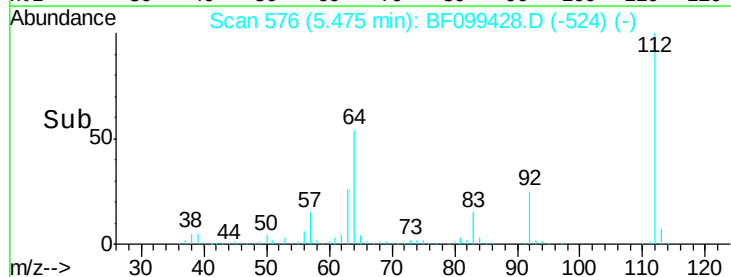
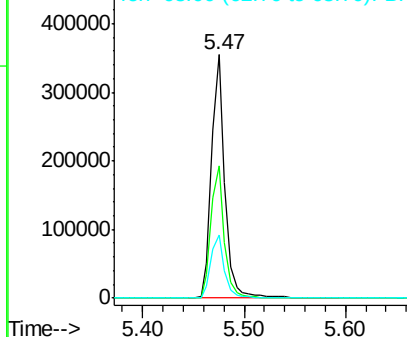
#5

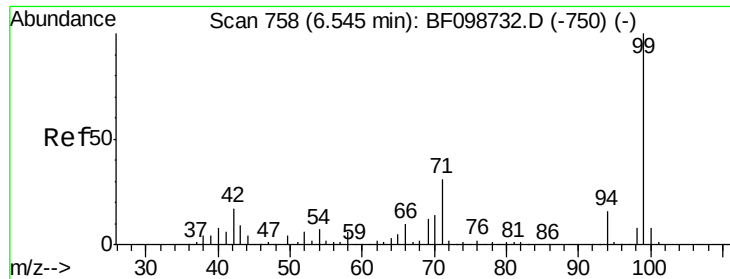
2-Fluorophenol
Concen: 47.726 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF099428.D
Acq: 13 Oct 2017 8:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	47.9	71.9
63	26.1	23.7	35.5



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: 29.460 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099428.D

Acq: 13 Oct 2017 8:21

Instrument :

BNA_F

ClientSampleId :

100917-TIDO-F-D-S

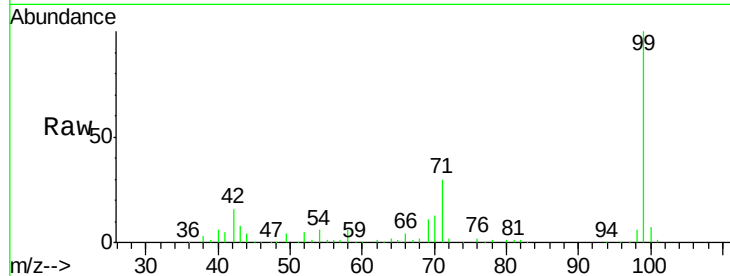
Tgt Ion: 99 Resp: 247286

Ion Ratio Lower Upper

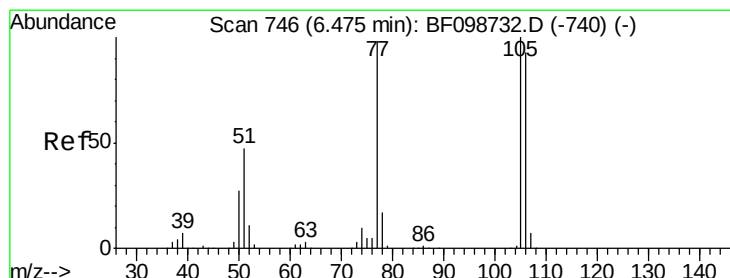
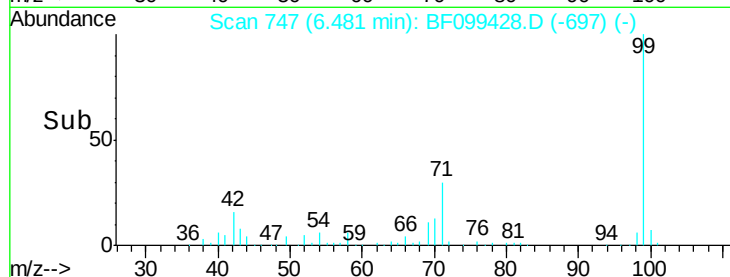
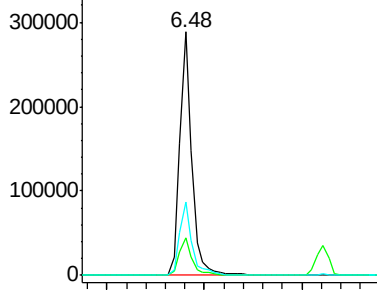
99 100

42 15.6 14.5 21.7

71 30.4 25.4 38.0



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: 2.187 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.21 min

Lab File: BF099428.D

Acq: 13 Oct 2017 8:21

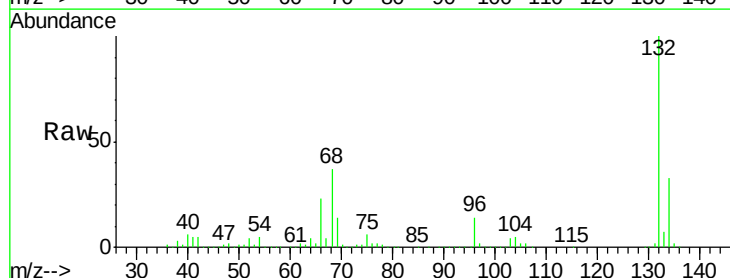
Tgt Ion: 77 Resp: 10651

Ion Ratio Lower Upper

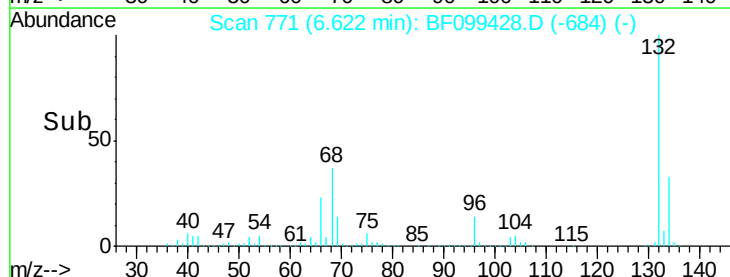
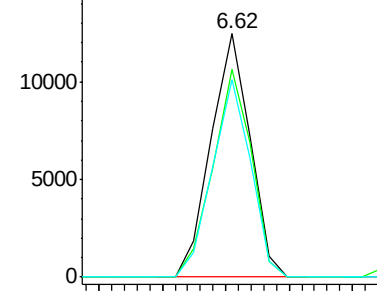
77 100

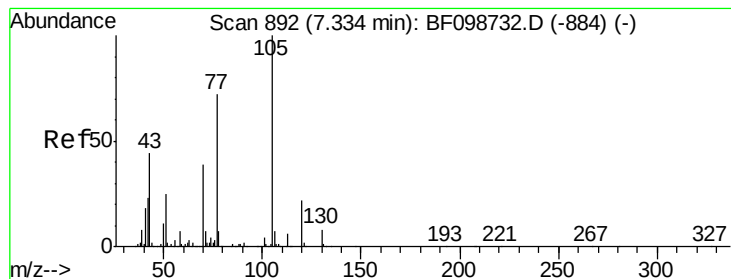
105 85.6 81.1 121.1

106 81.0 74.5 114.5



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: 16.431 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF099428.D

Acq: 13 Oct 2017 8:21

Instrument :

BNA_F

ClientSampleId :

100917-TIDO-F-D-S

Tgt Ion: 70 Resp: 88057

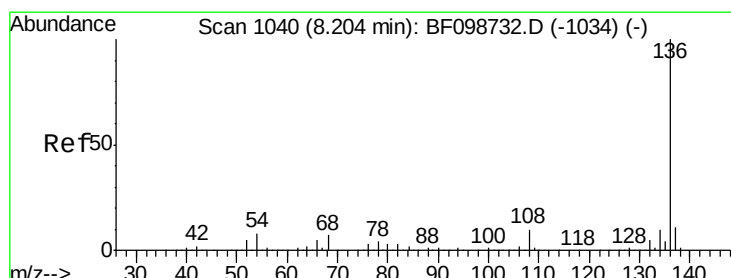
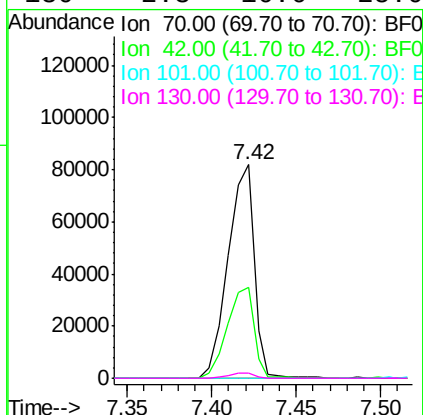
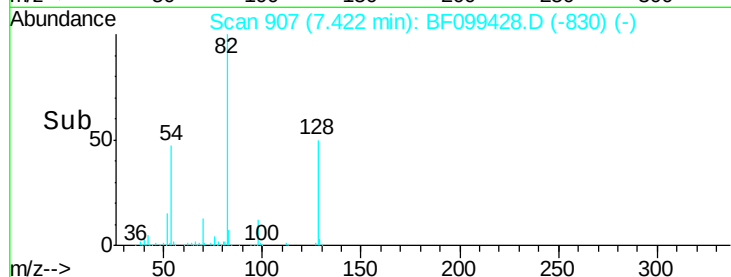
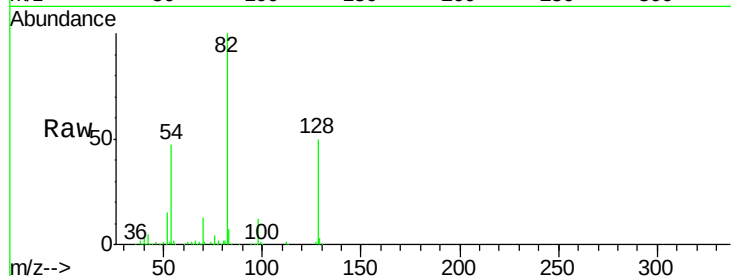
Ion Ratio Lower Upper

70 100

42 42.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF099428.D

Acq: 13 Oct 2017 8:21

Tgt Ion: 136 Resp: 442345

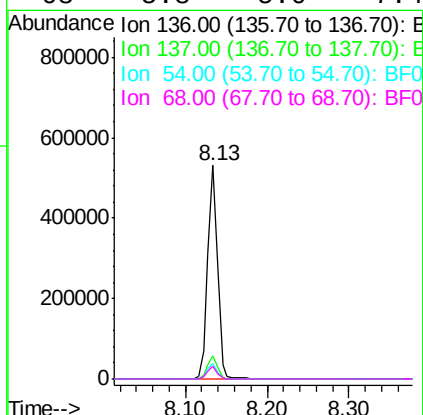
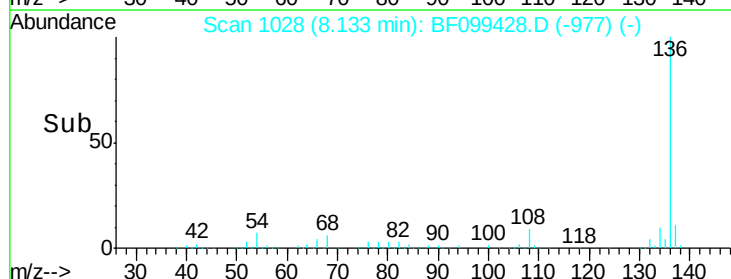
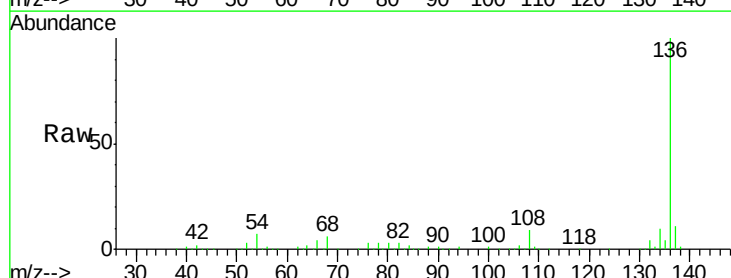
Ion Ratio Lower Upper

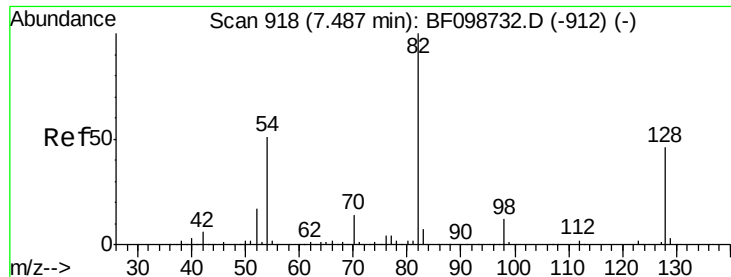
136 100

137 10.7 8.9 13.3

54 7.2 6.6 9.8

68 5.8 5.0 7.4

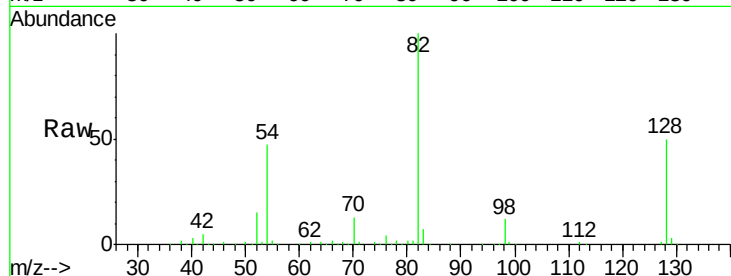




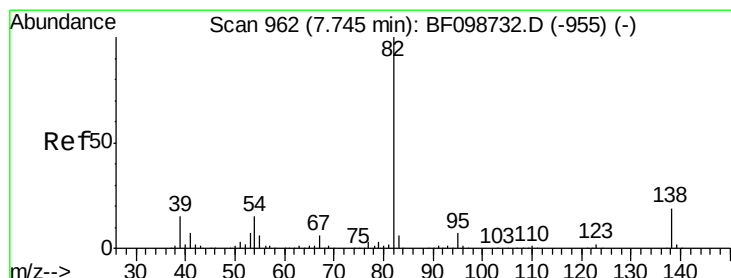
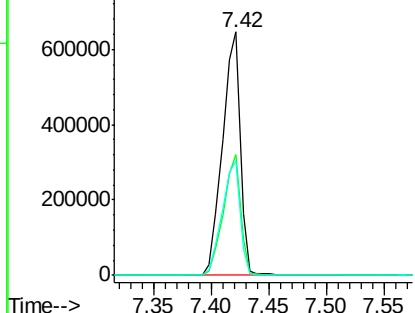
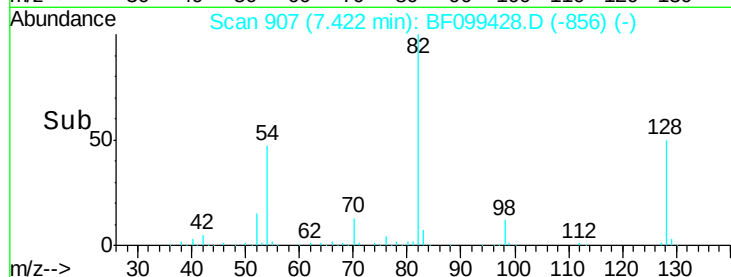
#23
 Nitrobenzene-d5
 Concen: 100.623 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.00 min
 Lab File: BF099428.D
 Acq: 13 Oct 2017 8:21

Instrument :
 BNA_F
 ClientSampleId :
 100917-TIDO-F-D-S

Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.7	36.1	54.1
54	46.7	41.4	62.2

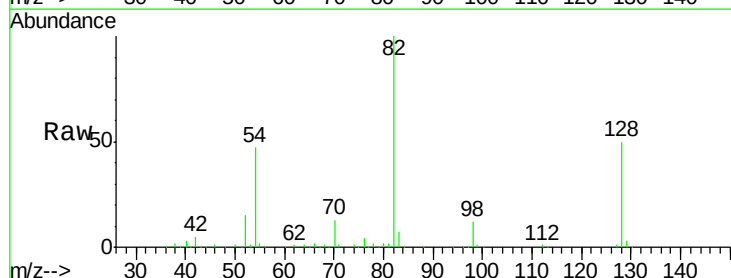


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

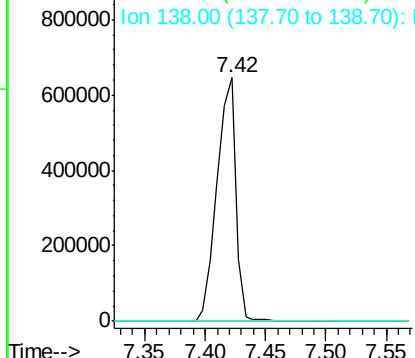
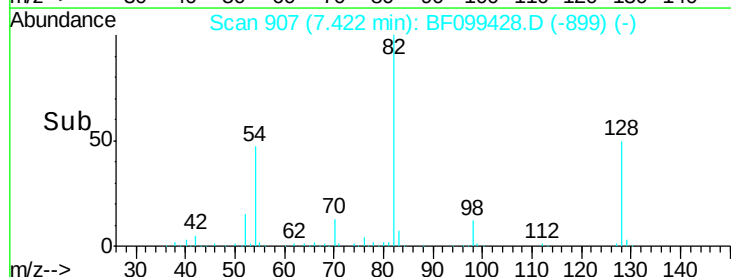


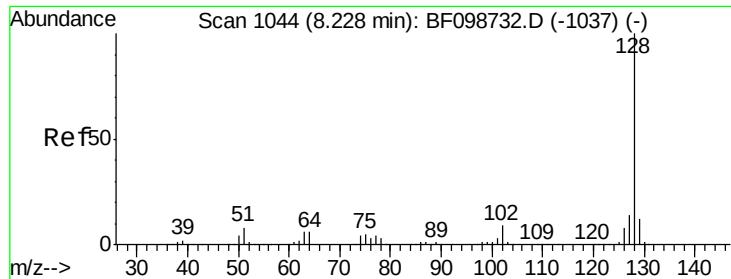
#25
 Isophorone
 Concen: 48.668 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.25 min
 Lab File: BF099428.D
 Acq: 13 Oct 2017 8:21

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



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

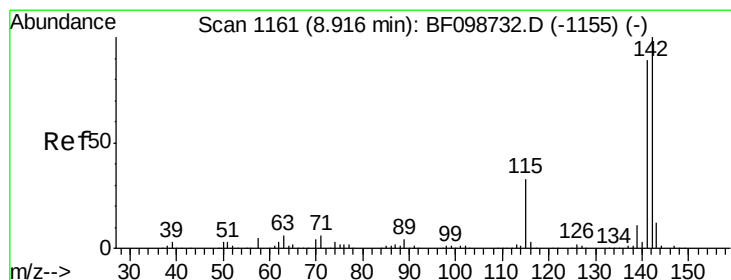
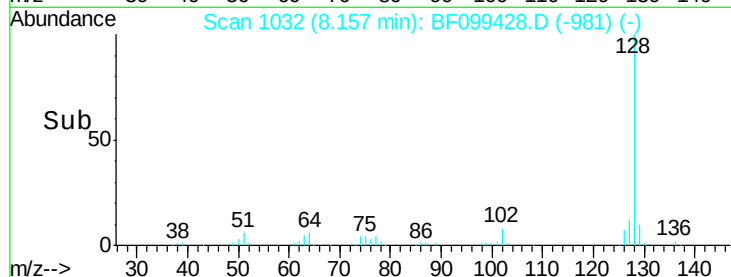
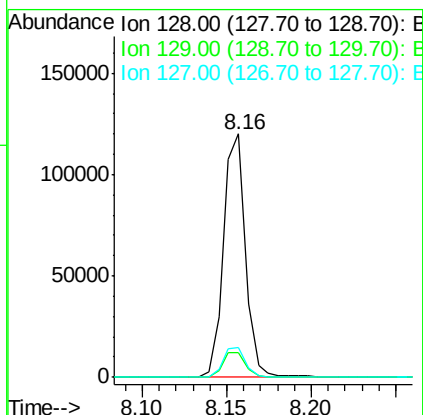
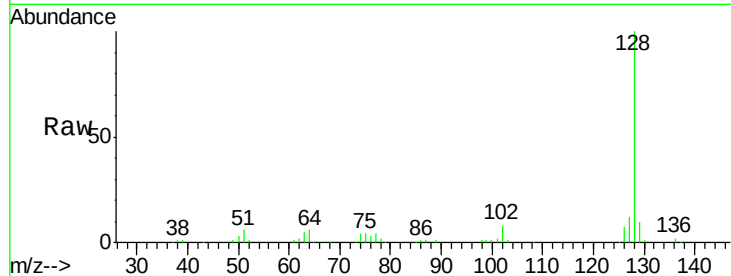




#31
Naphthalene
Concen: 5.223 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF099428.D
Acq: 13 Oct 2017 8:21

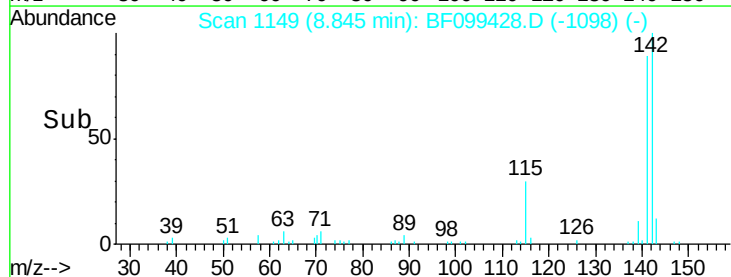
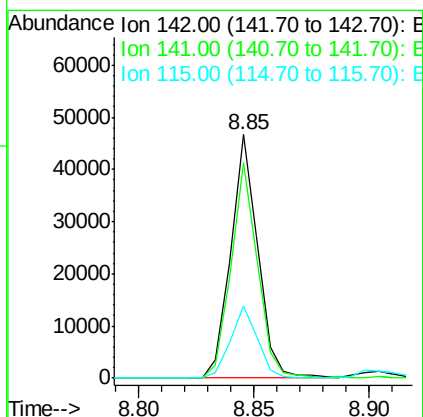
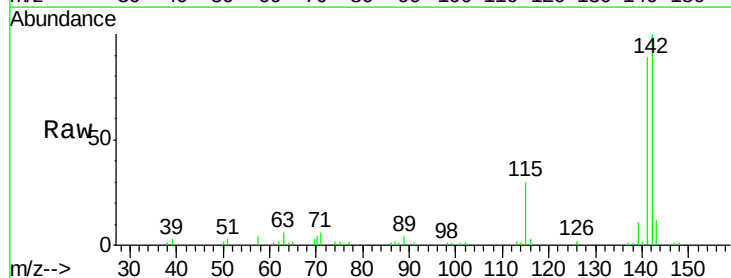
Instrument :
BNA_F
ClientSampleId :
100917-TIDO-F-D-S

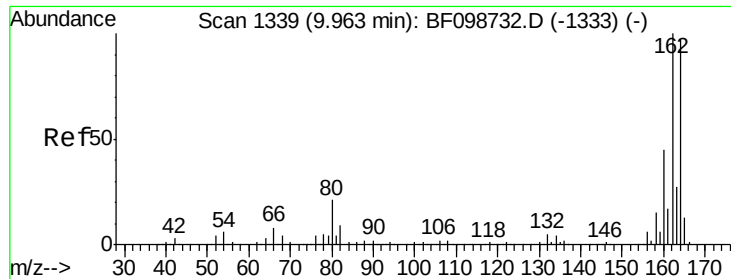
Tgt Ion:128 Resp: 108505
Ion Ratio Lower Upper
128 100
129 10.3 8.8 13.2
127 12.4 10.9 16.3



#37
2-Methylnaphthalene
Concen: 2.827 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF099428.D
Acq: 13 Oct 2017 8:21

Tgt Ion:142 Resp: 38177
Ion Ratio Lower Upper
142 100
141 88.7 70.8 106.2
115 29.7 26.1 39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF099428.D

Acq: 13 Oct 2017 8:21

Instrument :

BNA_F

ClientSampleId :

100917-TIDO-F-D-S

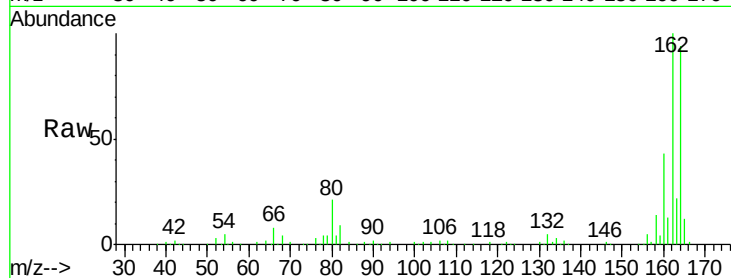
Tgt Ion:164 Resp: 176992

Ion Ratio Lower Upper

164 100

162 106.1 86.1 129.1

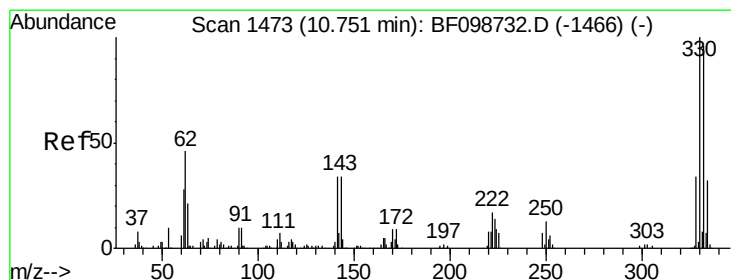
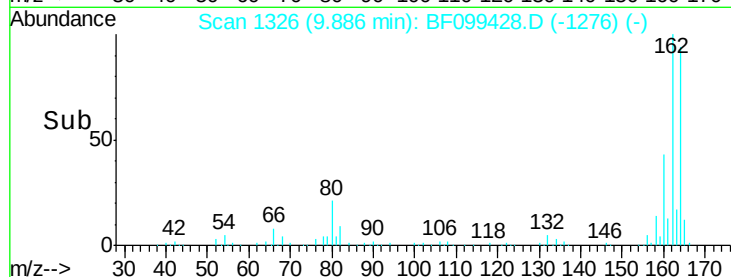
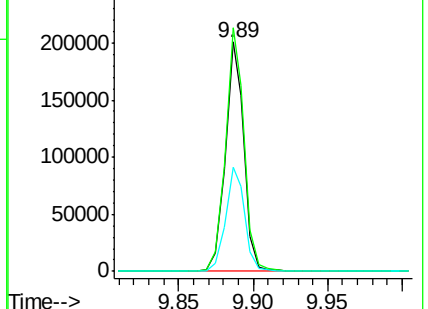
160 45.5 38.3 57.5



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: 83.619 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.00 min

Lab File: BF099428.D

Acq: 13 Oct 2017 8:21

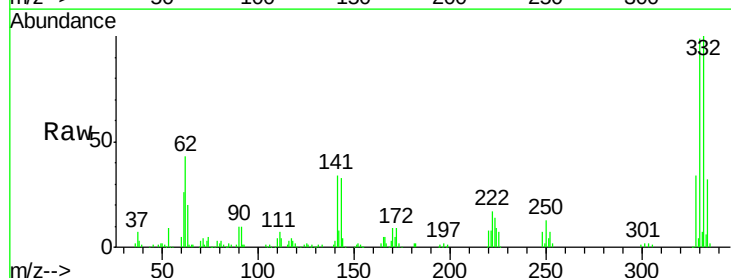
Tgt Ion:330 Resp: 121103

Ion Ratio Lower Upper

330 100

332 99.1 77.0 115.6

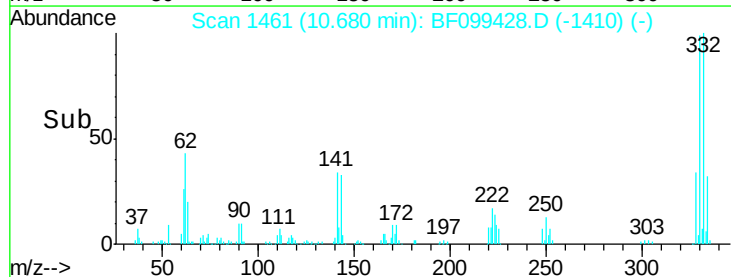
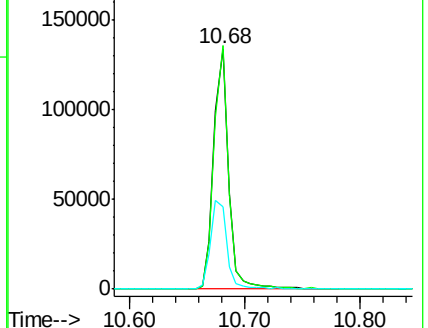
141 40.3 29.9 44.9

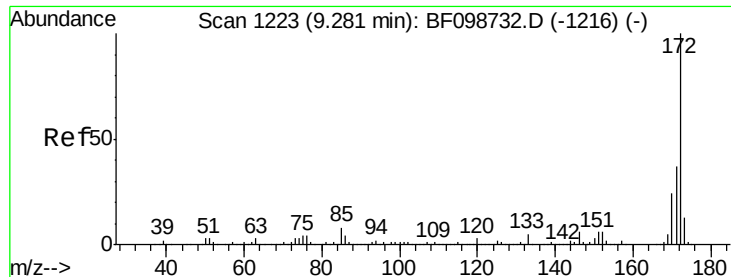


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

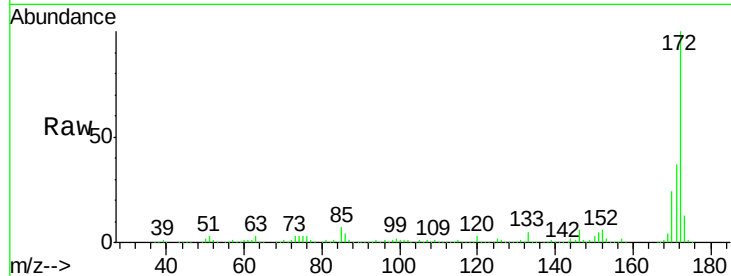




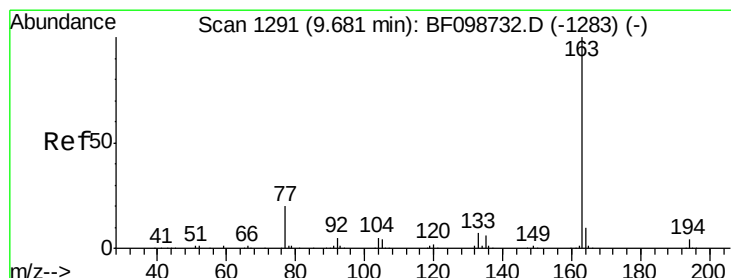
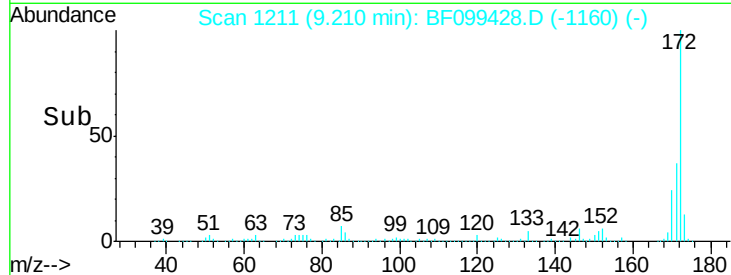
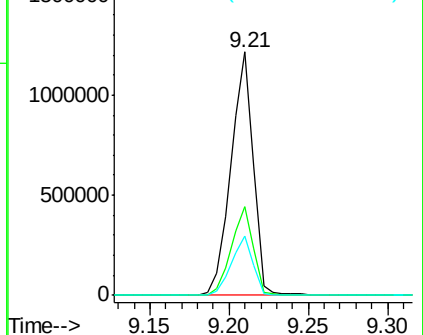
#44
 2-Fluorobiphenyl
 Concen: 112.114 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: BF099428.D
 Acq: 13 Oct 2017 8:21

Instrument :
 BNA_F
 ClientSampleId :
 100917-TIDO-F-D-S

Tgt Ion:172 Resp: 1188631
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.7 44.5
 170 24.3 19.6 29.4

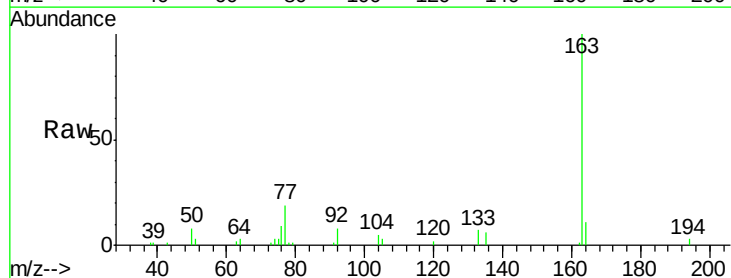


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

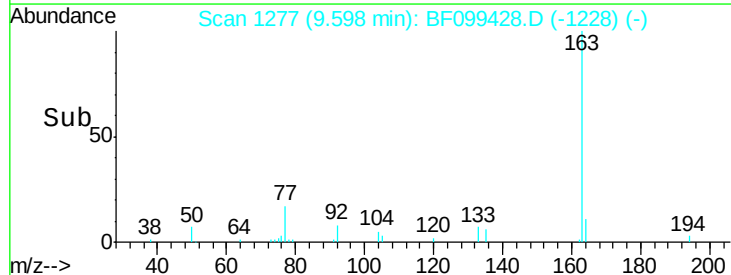
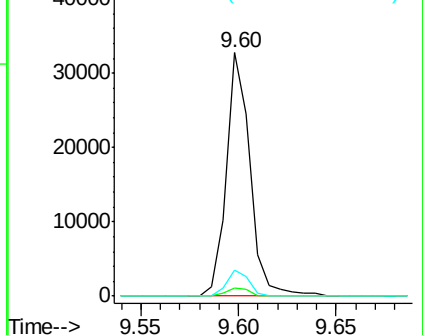


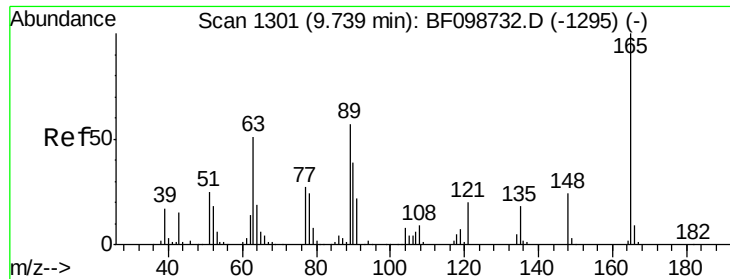
#49
 Dimethylphthalate
 Concen: 2.062 ng
 RT: 9.60 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: BF099428.D
 Acq: 13 Oct 2017 8:21

Tgt Ion:163 Resp: 27539
 Ion Ratio Lower Upper
 163 100
 194 3.2 2.7 4.1
 164 10.6 8.2 12.2



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

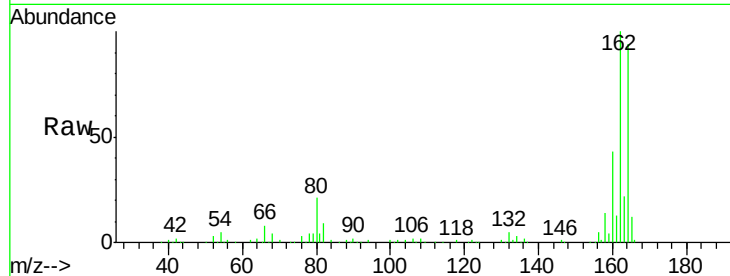




#50
2,6-Dinitrotoluene
Concen: 7.846 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.21 min
Lab File: BF099428.D
Acq: 13 Oct 2017 8:21

Instrument :
BNA_F
ClientSampleId :
100917-TIDO-F-D-S

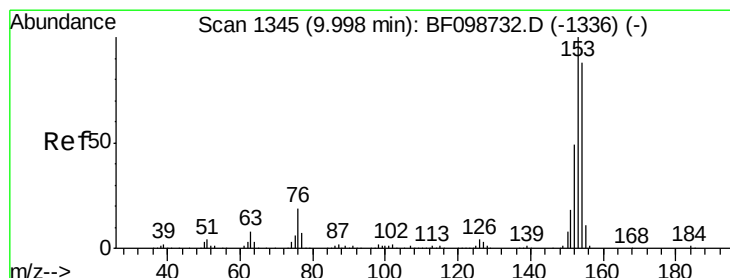
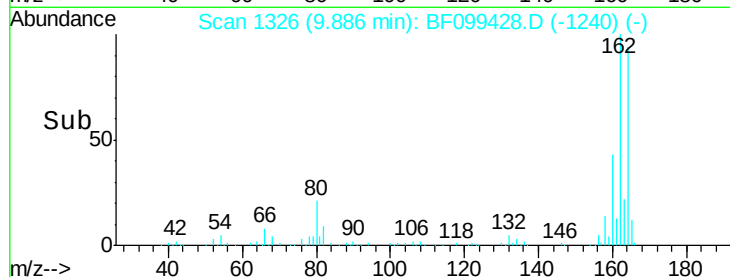
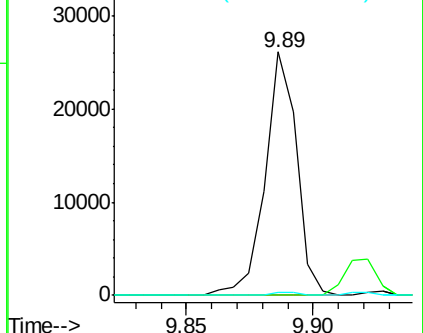
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.4	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

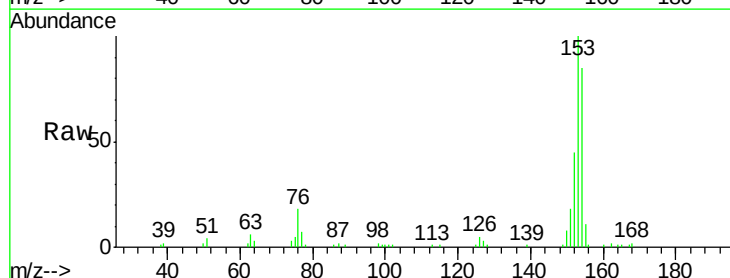
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#51
Acenaphthene
Concen: 3.986 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF099428.D
Acq: 13 Oct 2017 8:21

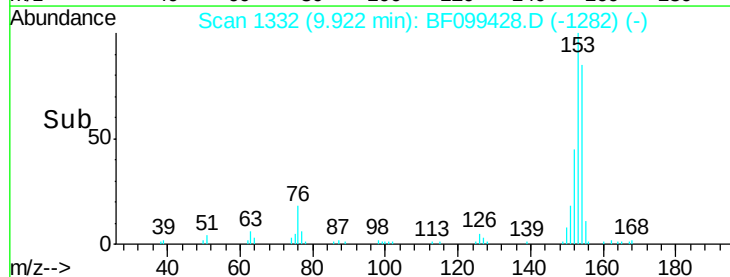
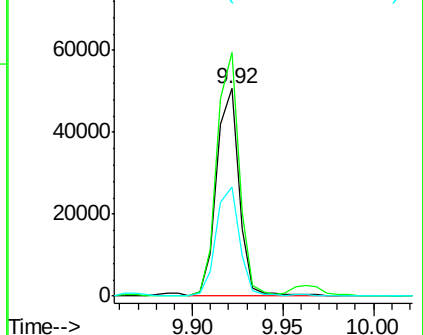
Tgt Ion	Ratio	Lower	Upper
154	100		
153	117.5	91.2	136.8
152	52.6	43.8	65.8

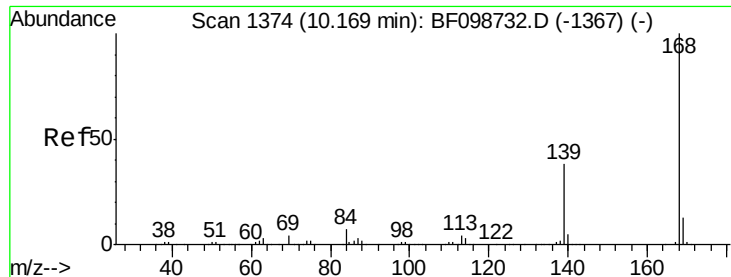


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

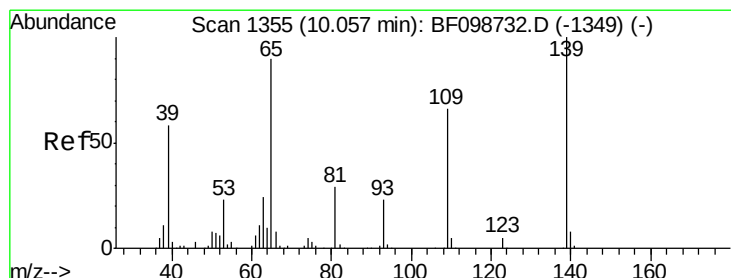
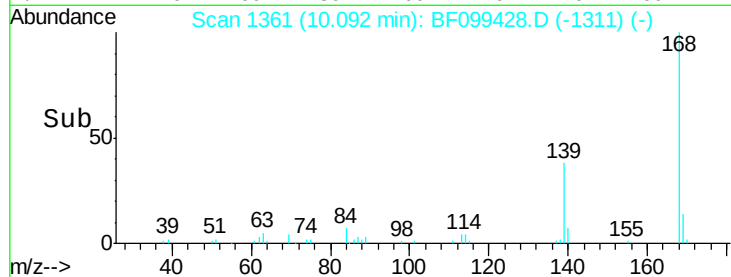
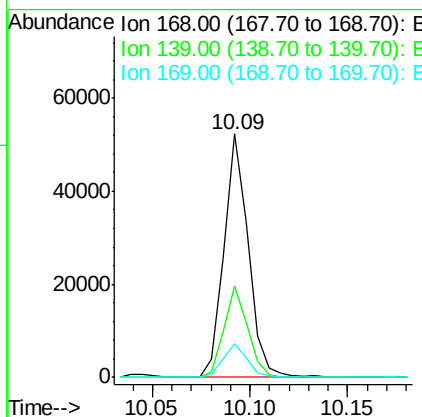
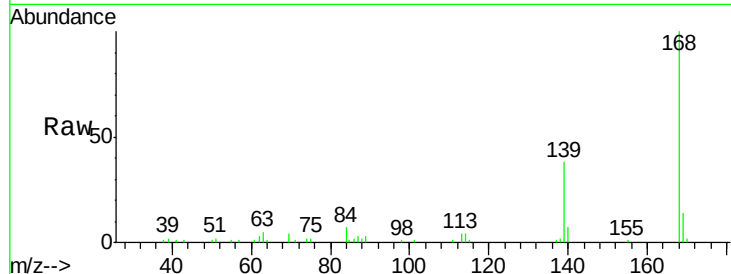




#54
Dibenzofuran
Concen: 3.071 ng
RT: 10.09 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BF099428.D
Acq: 13 Oct 2017 8:21

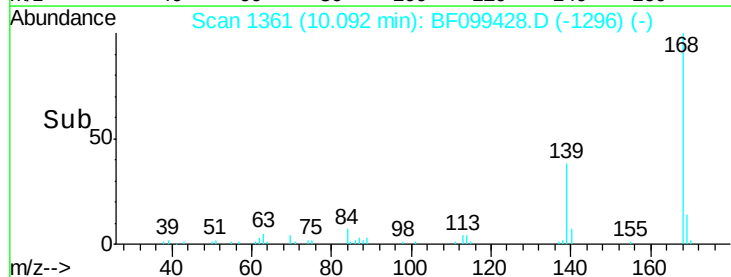
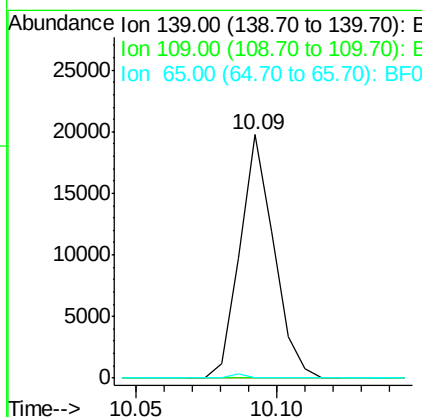
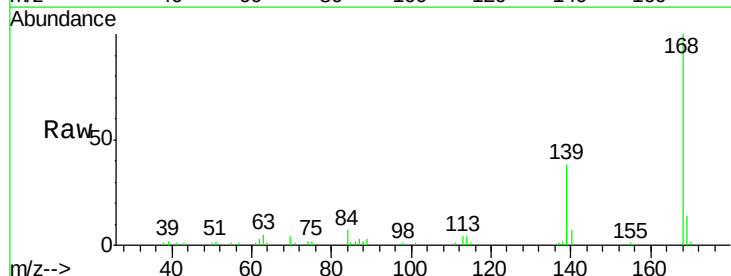
Instrument :
BNA_F
ClientSampleId :
100917-TIDO-F-D-S

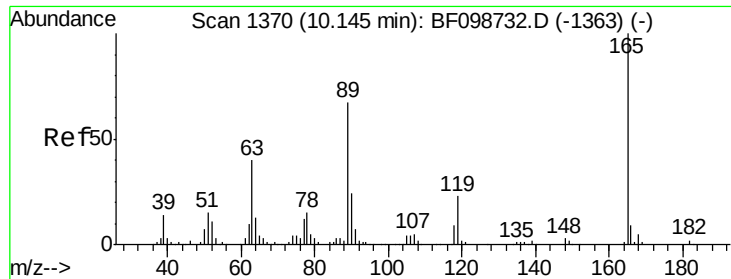
Tgt Ion:168 Resp: 45291
Ion Ratio Lower Upper
168 100
139 37.8 30.1 45.1
169 14.0 10.9 16.3



#55
4-Nitrophenol
Concen: 5.742 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.08 min
Lab File: BF099428.D
Acq: 13 Oct 2017 8:21

Tgt Ion:139 Resp: 16465
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

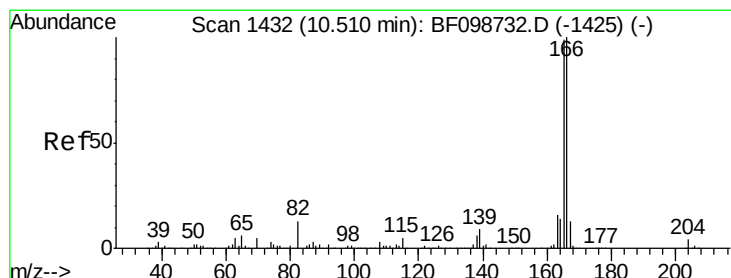
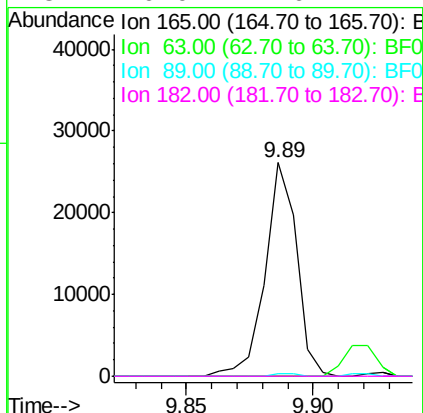
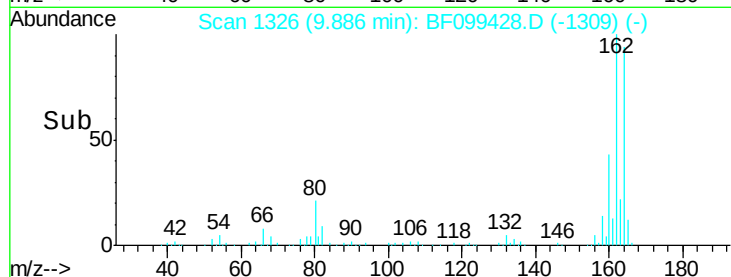
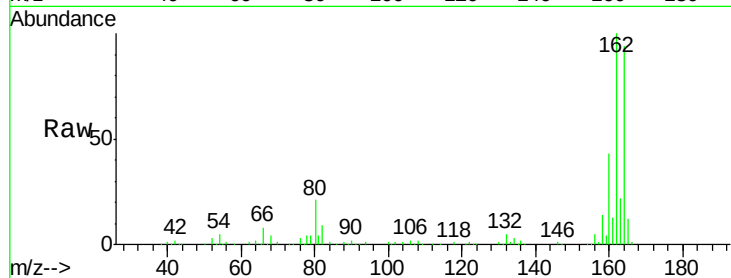




#56
2,4-Dinitrotoluene
Concen: 6.046 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.20 min
Lab File: BF099428.D
Acq: 13 Oct 2017 8:21

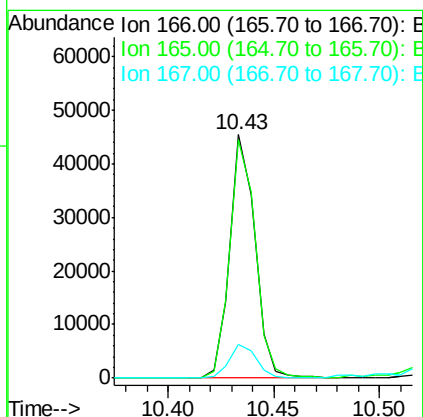
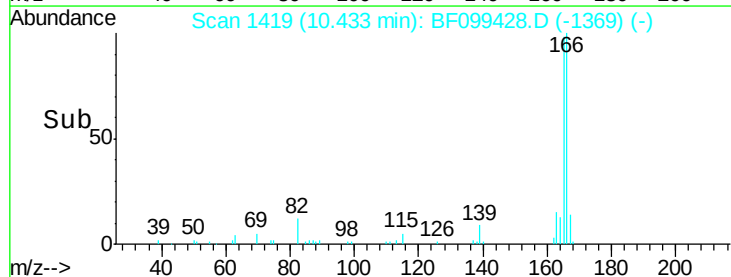
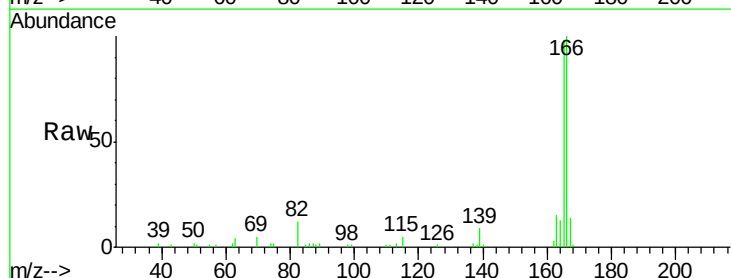
Instrument :
BNA_F
ClientSampleId :
100917-TIDO-F-D-S

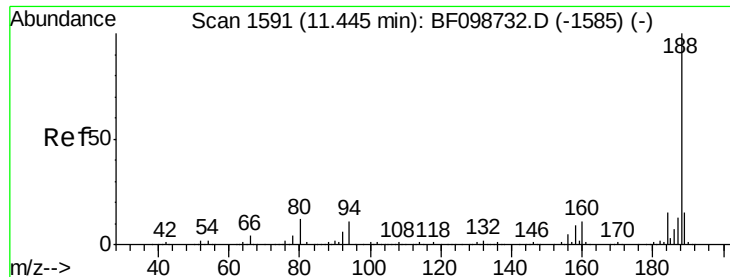
Tgt Ion:	165	Resp:	22819
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#57
Fluorene
Concen: 3.170 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF099428.D
Acq: 13 Oct 2017 8:21

Tgt Ion:	166	Resp:	37573
Ion	Ratio	Lower	Upper
166	100		
165	98.1	79.8	119.8
167	14.0	10.6	16.0

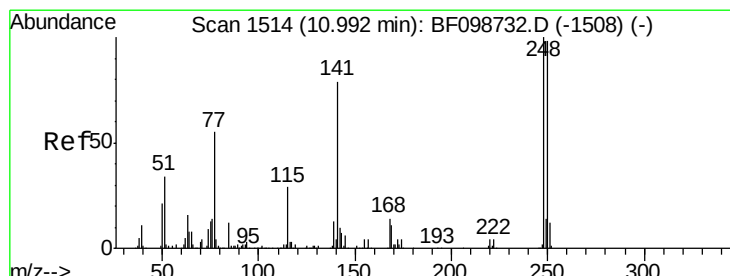
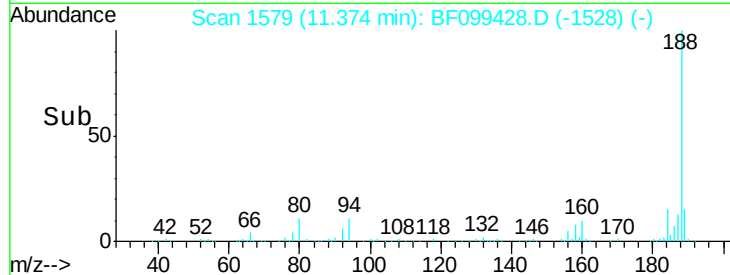
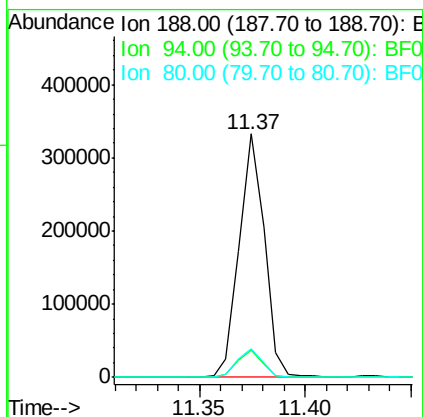
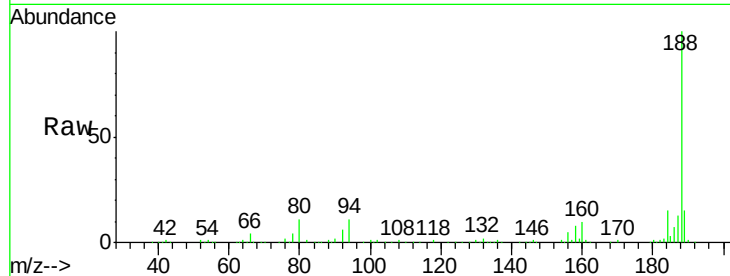




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.00 min
Lab File: BF099428.D
Acq: 13 Oct 2017 8:21

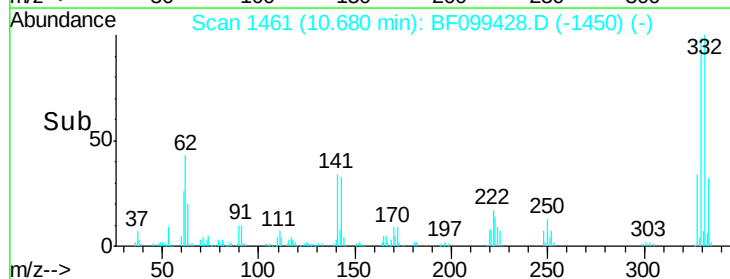
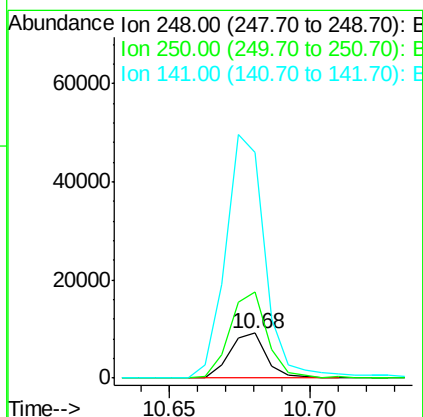
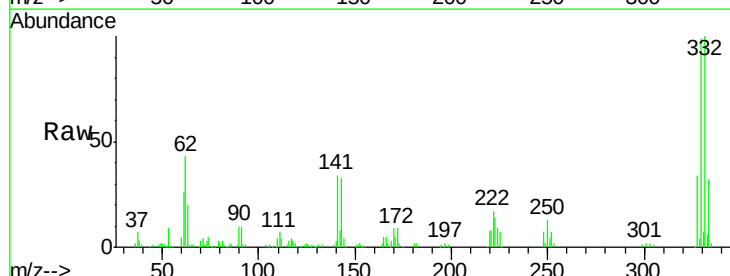
Instrument :
BNA_F
ClientSampleId :
100917-TIDO-F-D-S

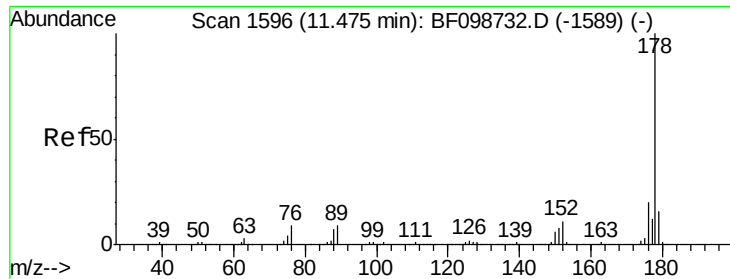
Tgt Ion:188 Resp: 275788
Ion Ratio Lower Upper
188 100
94 11.1 8.5 12.7
80 11.5 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.075 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.24 min
Lab File: BF099428.D
Acq: 13 Oct 2017 8:21

Tgt Ion:248 Resp: 8302
Ion Ratio Lower Upper
248 100
250 192.1 76.9 115.3#
141 500.8 74.4 111.6#

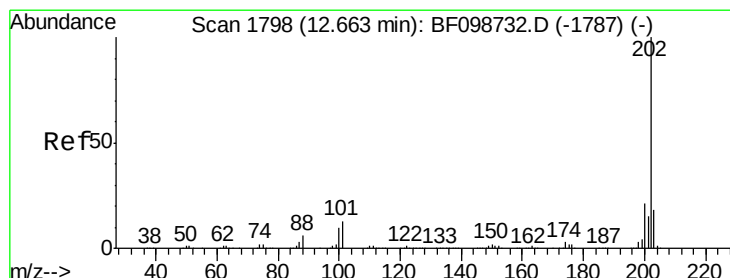
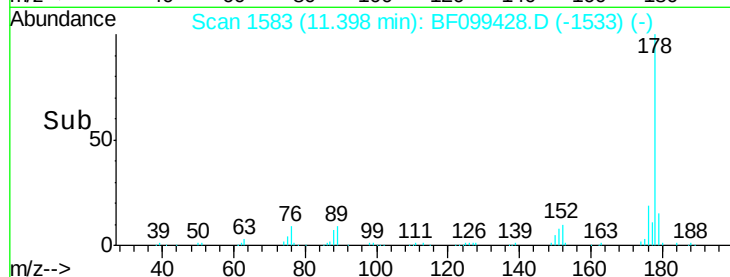
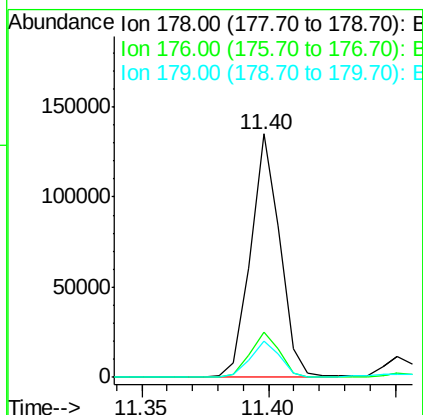
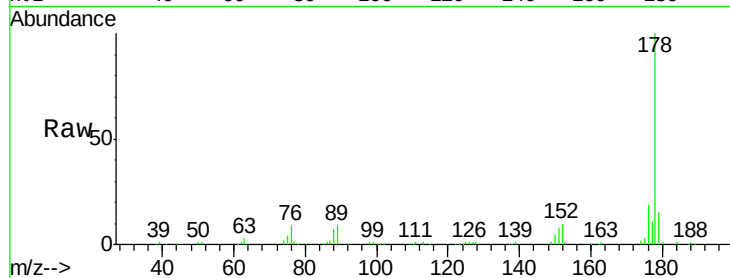




#70
 Phenanthrene
 Concen: 7.357 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF099428.D
 Acq: 13 Oct 2017 8:21

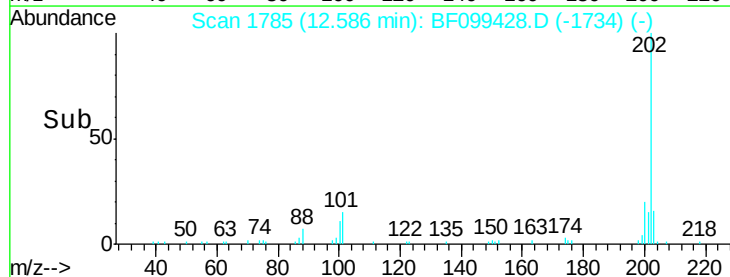
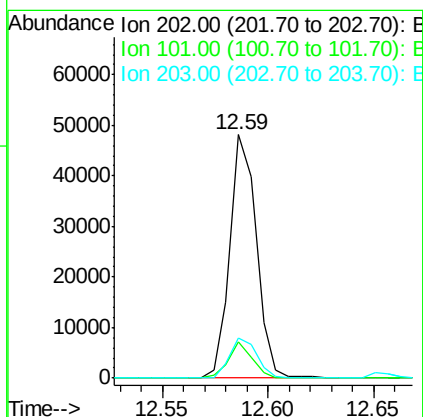
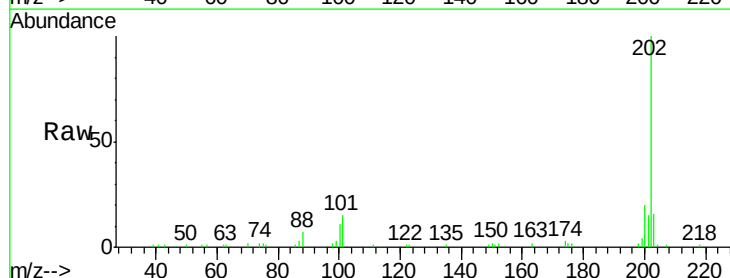
Instrument :
 BNA_F
 ClientSampleId :
 100917-TIDO-F-D-S

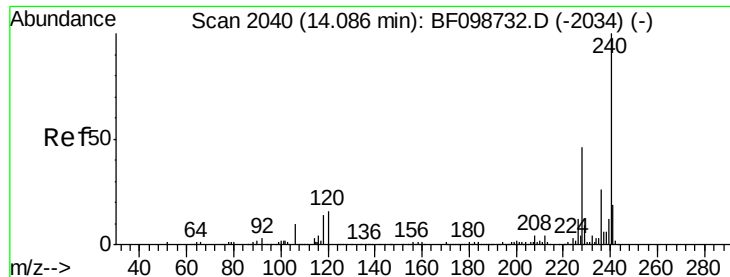
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	14.9	13.0	19.6



#74
 Fluoranthene
 Concen: 2.798 ng
 RT: 12.59 min Scan# 1785
 Delta R.T. -0.00 min
 Lab File: BF099428.D
 Acq: 13 Oct 2017 8:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.7	0.0	34.1
203	16.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BF099428.D

Acq: 13 Oct 2017 8:21

Instrument :

BNA_F

ClientSampleId :

100917-TIDO-F-D-S

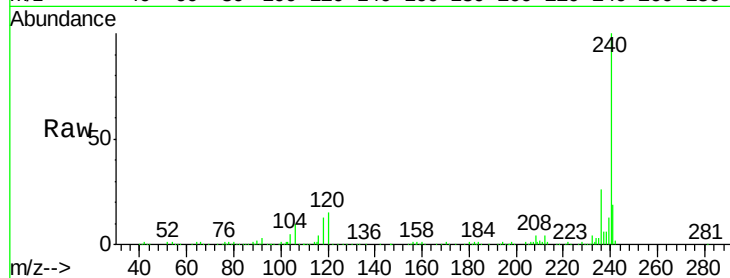
Tgt Ion:240 Resp: 225714

Ion Ratio Lower Upper

240 100

120 14.7 9.5 14.3#

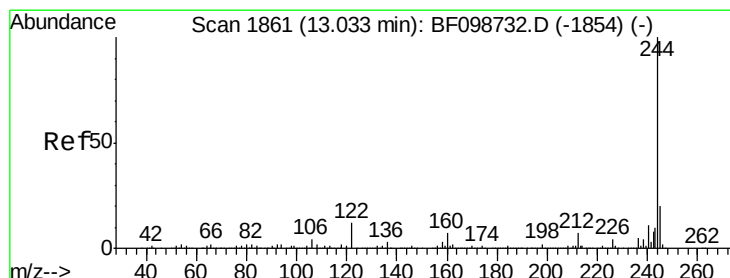
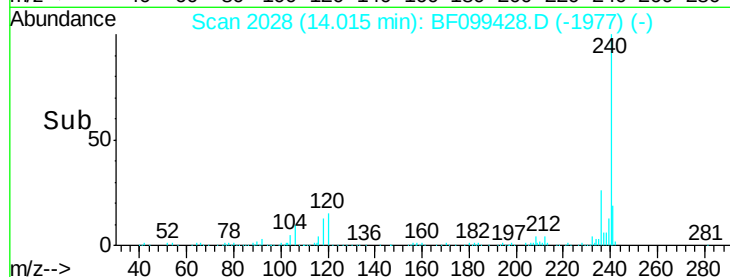
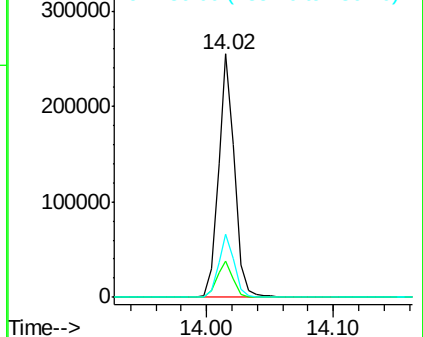
236 25.8 20.7 31.1



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: 91.842 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.01 min

Lab File: BF099428.D

Acq: 13 Oct 2017 8:21

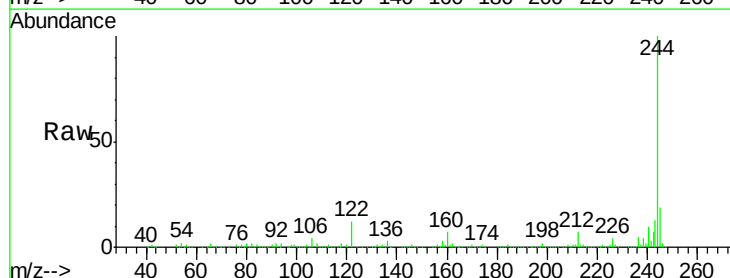
Tgt Ion:244 Resp: 911528

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

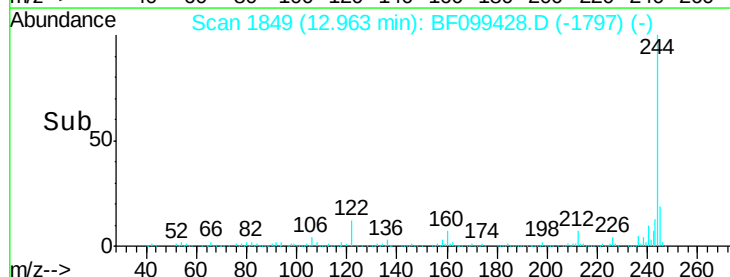
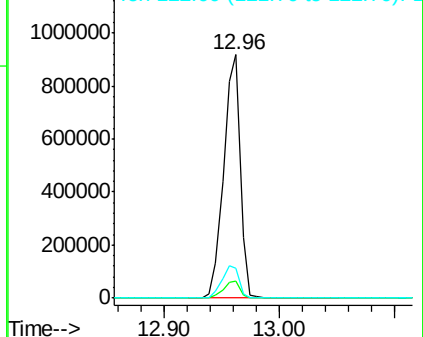
122 12.1 11.0 16.4

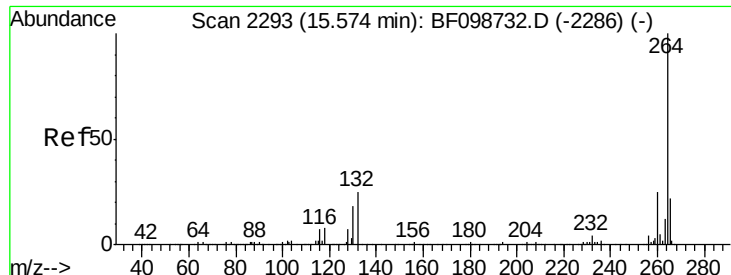


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

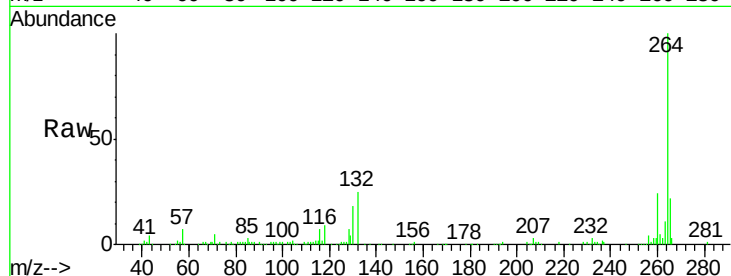




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF099428.D
Acq: 13 Oct 2017 8:21

Instrument :
BNA_F
ClientSampleId :
100917-TIDO-F-D-S

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.0	17.5	26.3



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

