

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
 Data File : BF101630.D
 Acq On : 22 Dec 2017 3:07
 Operator : SJ/JU
 Sample : I6971-20
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 22 05:57:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

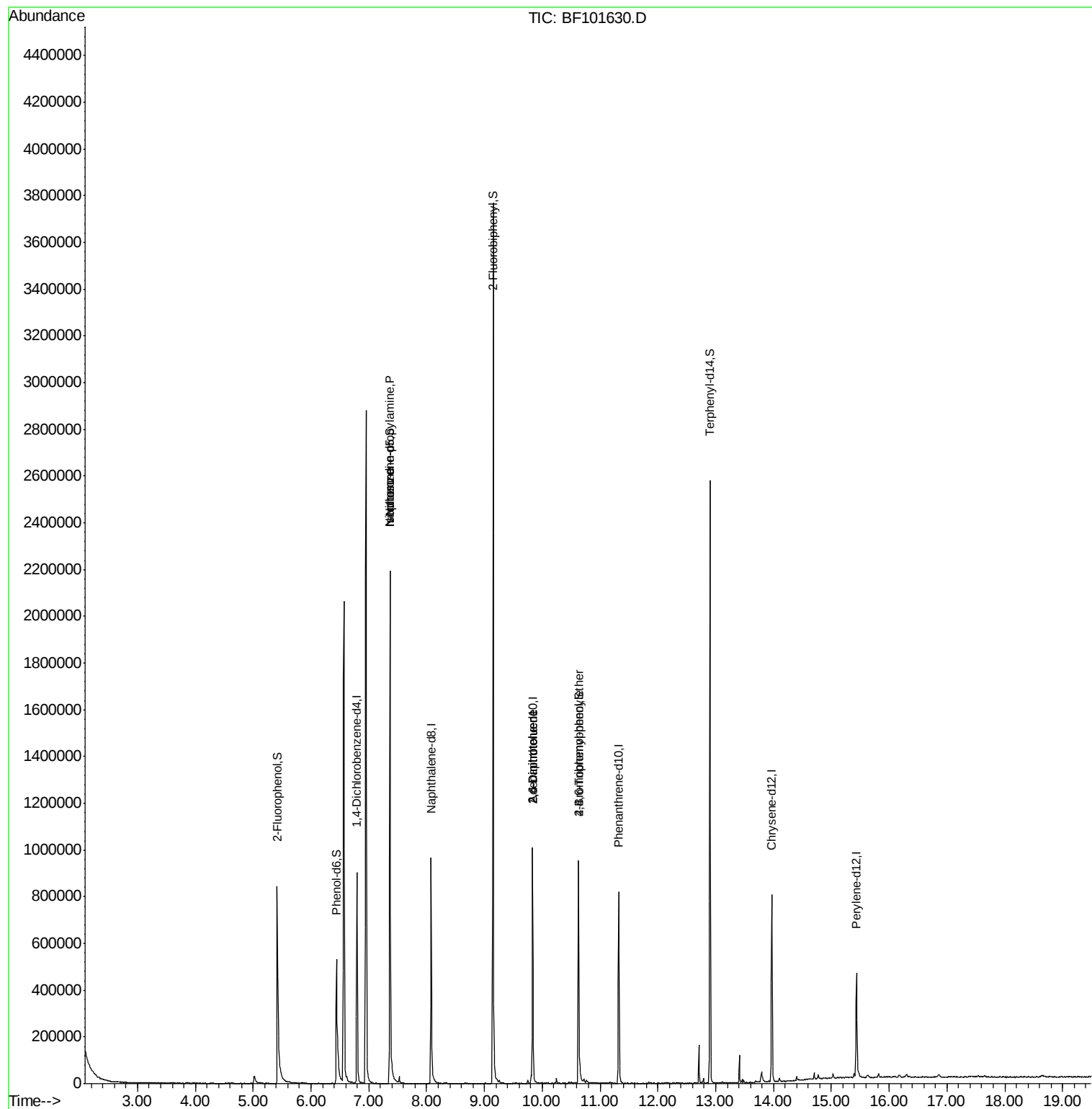
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	142696	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	538972	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	209781	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	311860	20.00	ng	0.00
75) Chrysene-d12	13.97	240	296278	20.00	ng	0.00
86) Perylene-d12	15.43	264	242479	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	382487	39.93	ng	0.00
7) Phenol-d6	6.44	99	294973	24.74	ng	0.00
23) Nitrobenzene-d5	7.37	82	826324	85.34	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	134561	66.57	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1267550	93.73	ng	0.00
78) Terphenyl-d14	12.90	244	865461	70.42	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	107066	13.675	ng	# 84
25) Isophorone	7.37	82	826324	42.543	ng	# 64
50) 2,6-Dinitrotoluene	9.83	165	25793	7.521	ng	# 26
56) 2,4-Dinitrotoluene	9.83	165	25793	6.675	ng	# 24
66) 4-Bromophenyl-phenylether	10.63	248	8646	2.467	ng	# 1

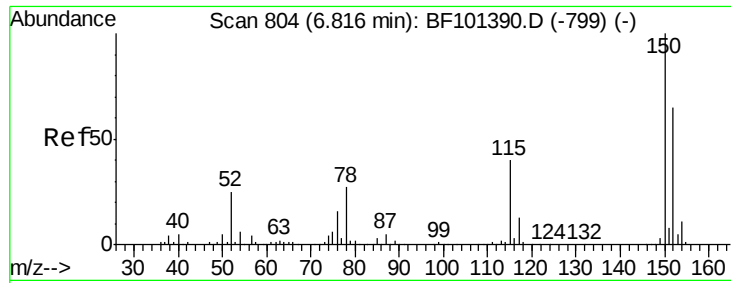
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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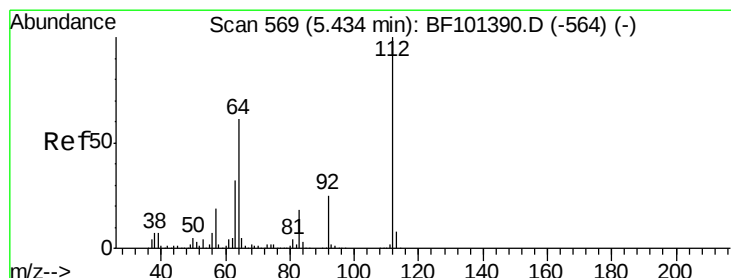
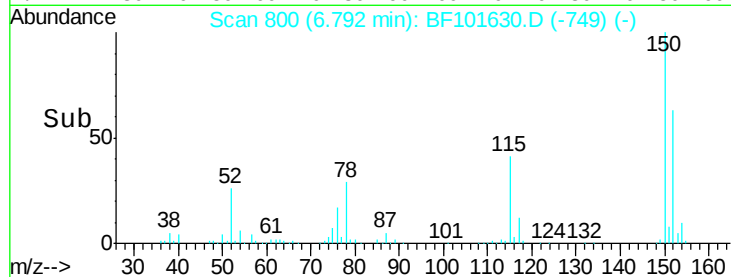
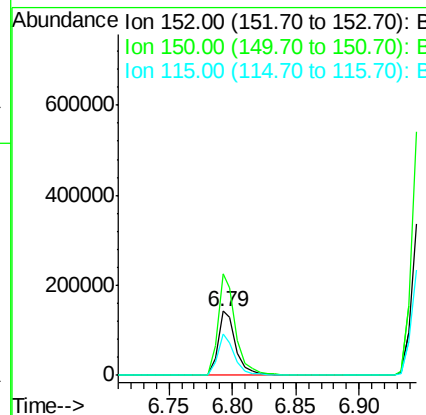
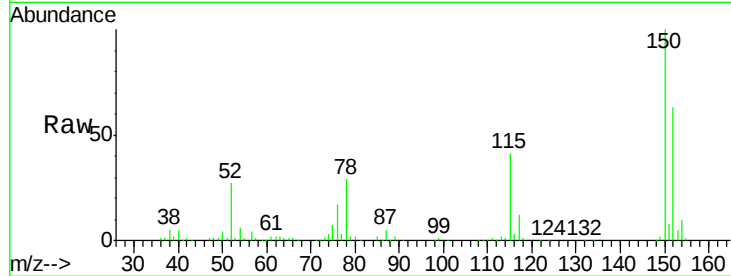


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF101630.D
Acq: 22 Dec 2017 3:07

Instrument :
BNA_F
ClientSampleId :

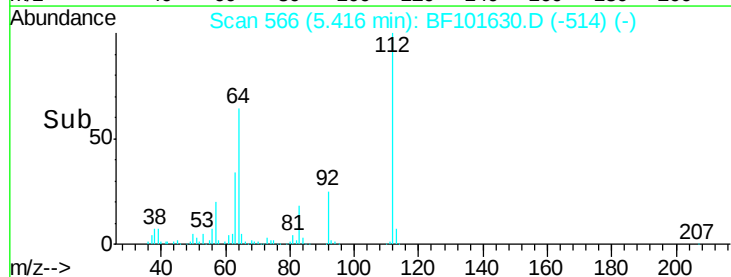
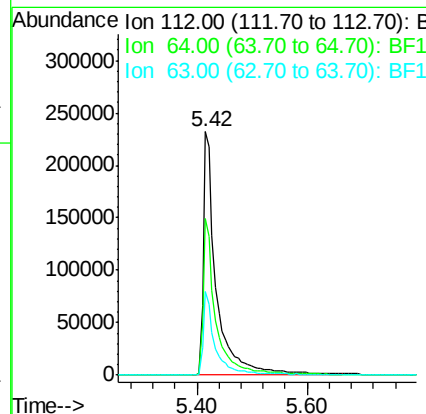
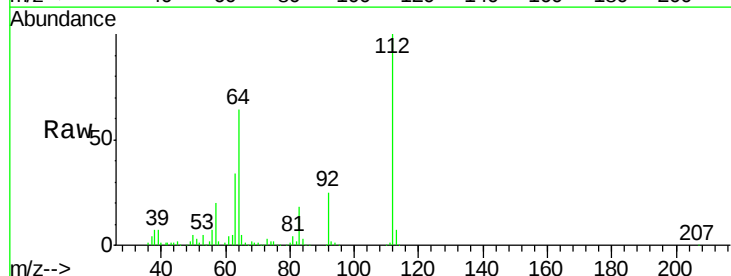
Tot Ion:152 Resp: 142696
Ion Ratio Lower Upper
152 100
150 158.4 124.6 186.8
115 65.0 50.1 75.1

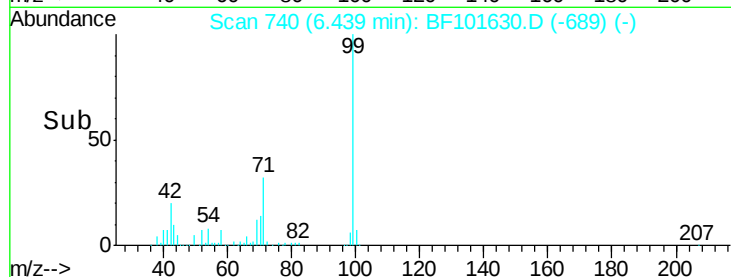
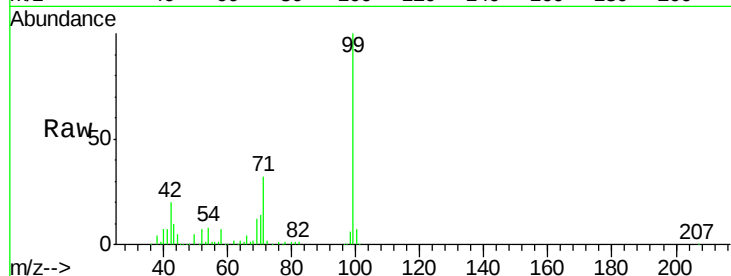
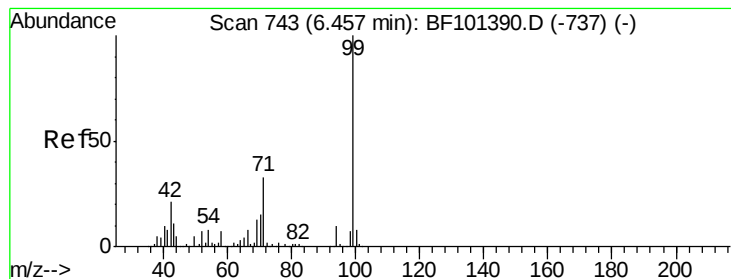


#5

2-Fluorophenol
Concen: 39.927 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF101630.D
Acq: 22 Dec 2017 3:07

Tgt Ion:112 Resp: 382487
Ion Ratio Lower Upper
112 100
64 64.3 47.9 71.9
63 34.3 23.7 35.5





#7

Phenol-d6

Concen: 24.741 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF101630.D

Acq: 22 Dec 2017 3:07

Instrument :

BNA_F

ClientSampled :

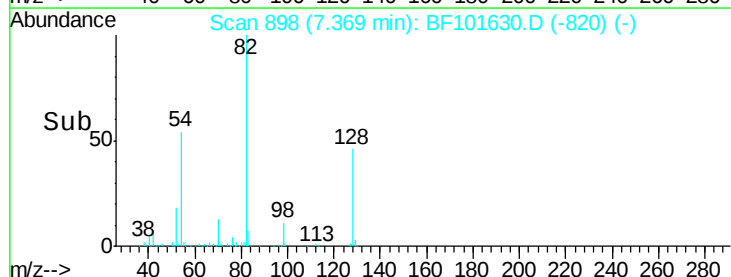
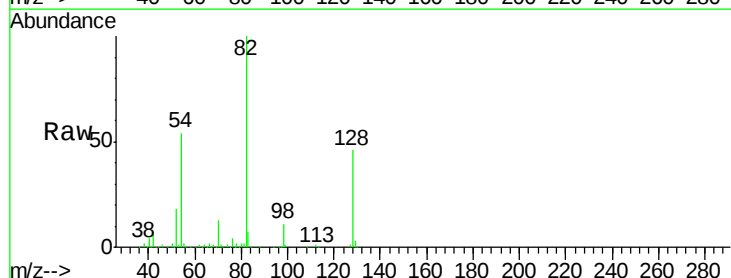
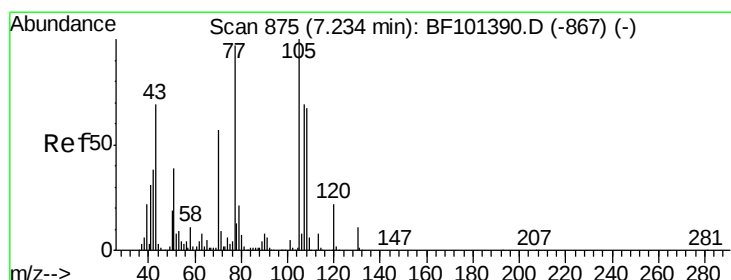
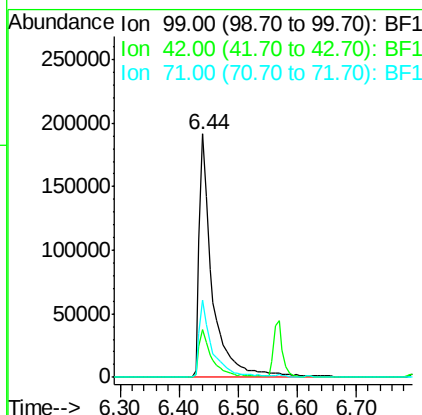
Tot Ion: 99 Resp: 294973

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

71 31.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.675 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.16 min

Lab File: BF101630.D

Acq: 22 Dec 2017 3:07

Tgt Ion: 70 Resp: 107066

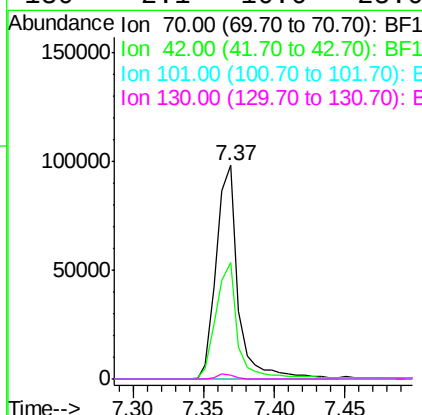
Ion Ratio Lower Upper

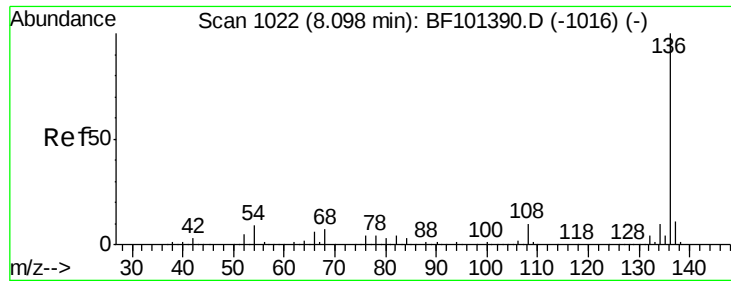
70 100

42 54.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

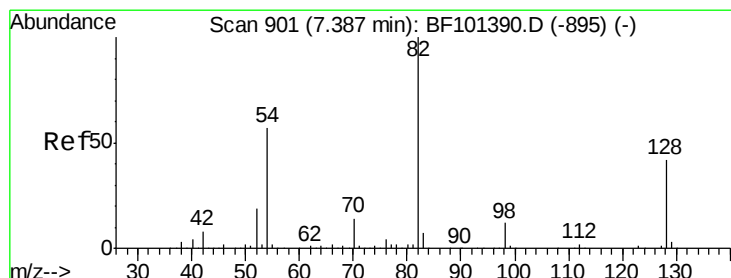
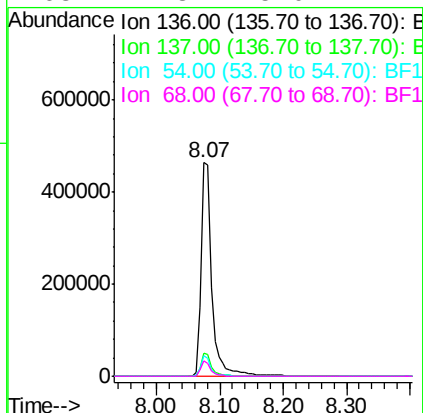
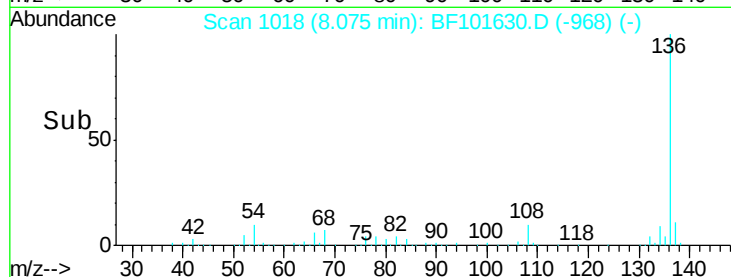
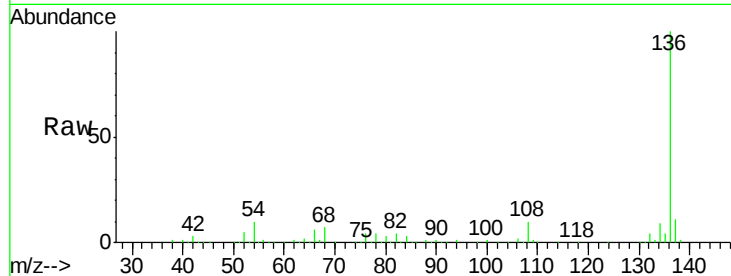




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF101630.D
Acq: 22 Dec 2017 3:07

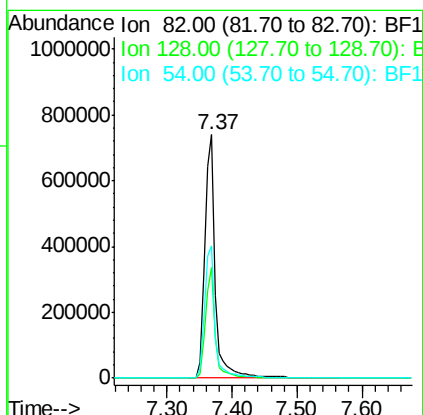
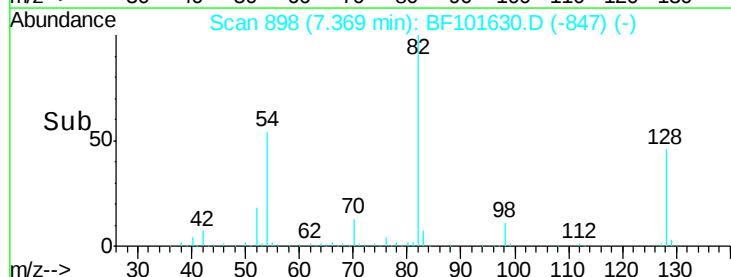
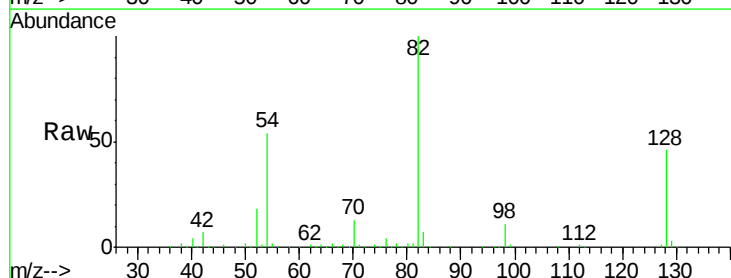
Instrument :
BNA_F
ClientSampleId :

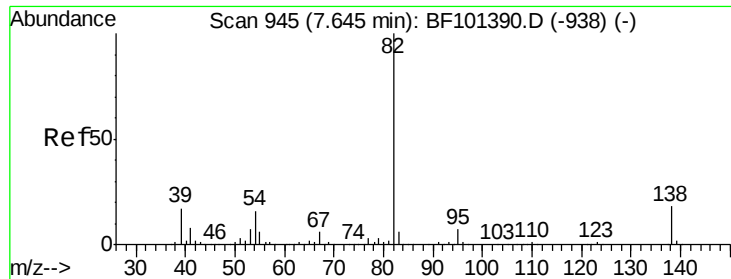
Tot Ion:136	Resp:	538972
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	9.7	6.6 9.8
68	7.3	5.0 7.4



#23
Nitrobenzene-d5
Concen: 85.344 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.00 min
Lab File: BF101630.D
Acq: 22 Dec 2017 3:07

Tgt Ion: 82	Resp:	826324
Ion Ratio	Lower	Upper
82	100	
128	45.5	36.1 54.1
54	54.5	41.4 62.2





#25

Isophorone

Concen: 42.543 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.25 min

Lab File: BF101630.D

Acq: 22 Dec 2017 3:07

Instrument :

BNA_F

ClientSampleId :

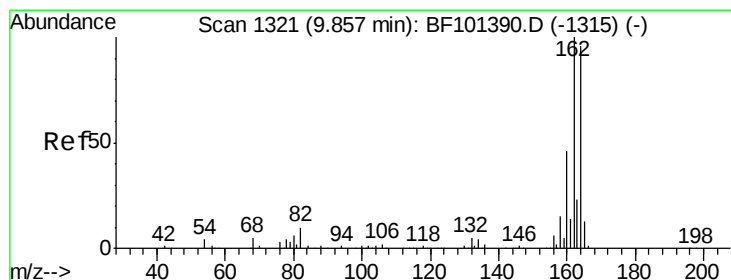
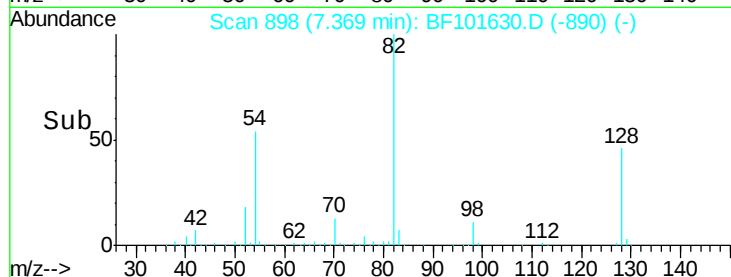
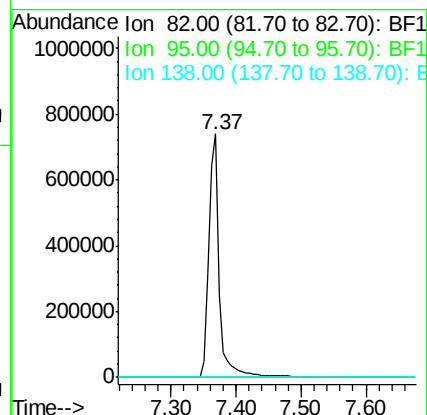
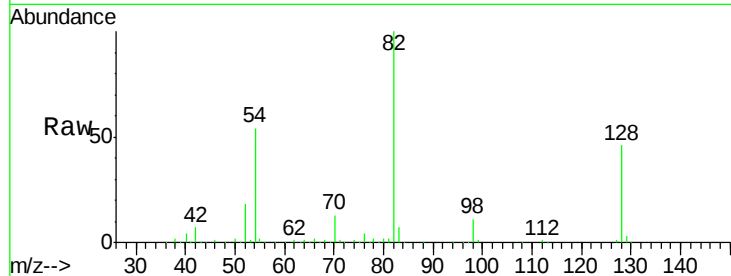
Tot Ion: 82 Resp: 826324

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BF101630.D

Acq: 22 Dec 2017 3:07

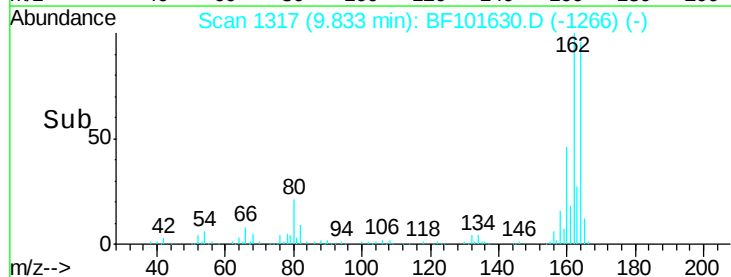
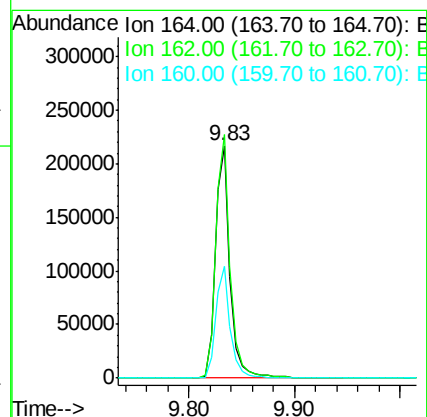
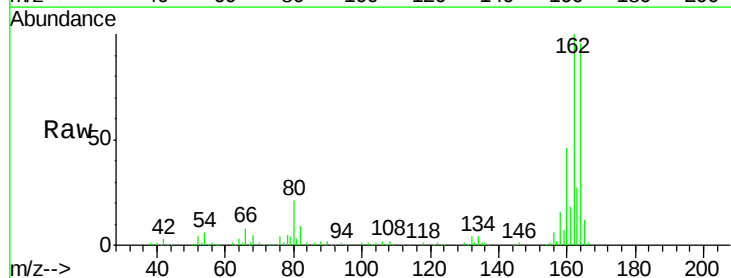
Tgt Ion: 164 Resp: 209781

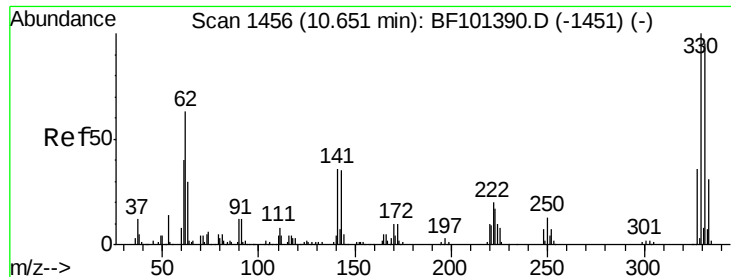
Ion Ratio Lower Upper

164 100

162 104.7 86.1 129.1

160 48.1 38.3 57.5

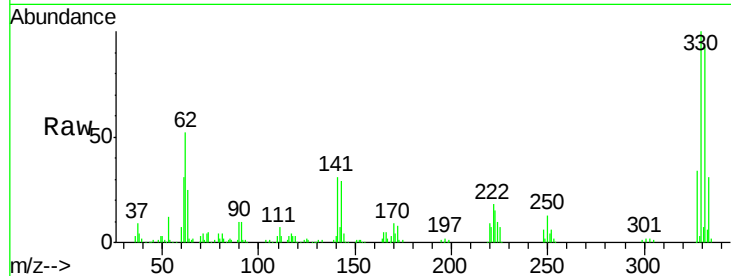




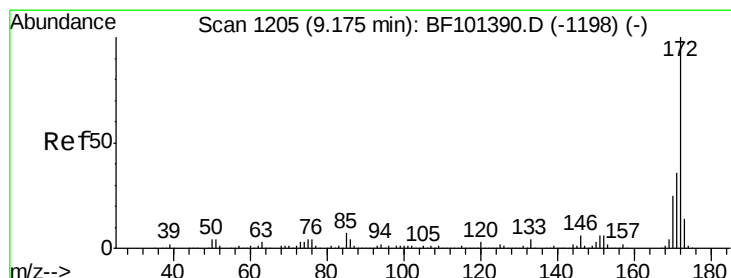
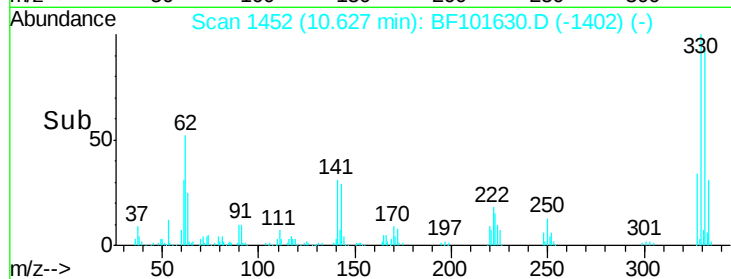
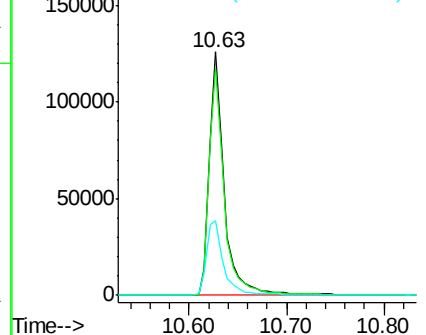
#41
 2,4,6-Tribromophenol
 Concen: 66.568 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF101630.D
 Acq: 22 Dec 2017 3:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	35.4	29.9	44.9

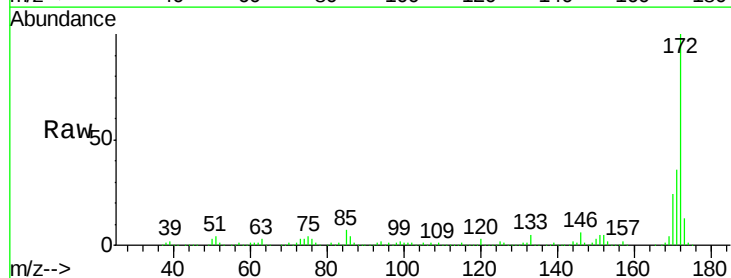


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

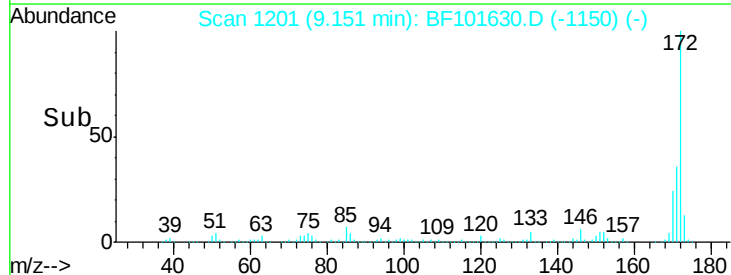
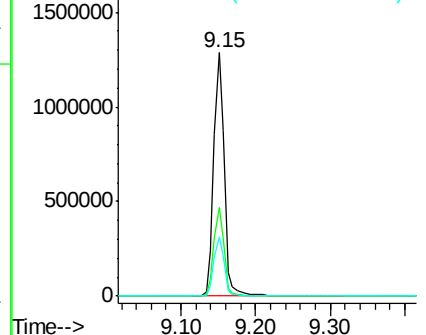


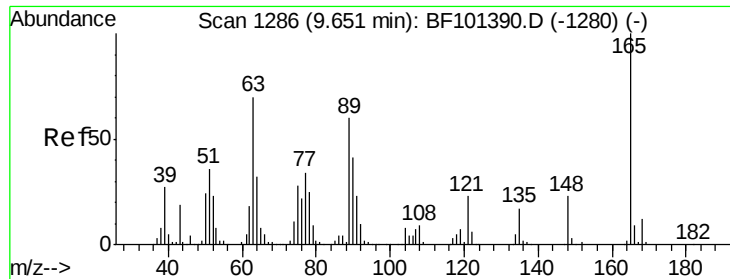
#44
 2-Fluorobiphenyl
 Concen: 93.730 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BF101630.D
 Acq: 22 Dec 2017 3:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.4	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

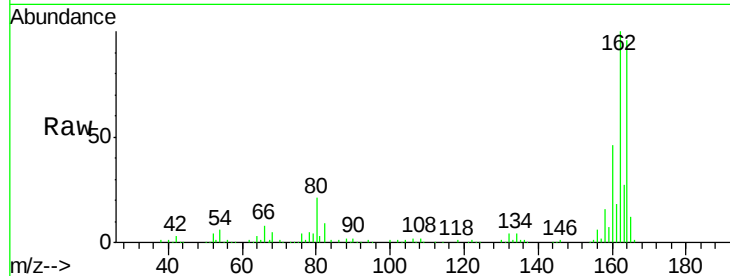




#50
 2,6-Dinitrotoluene
 Concen: 7.521 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.20 min
 Lab File: BF101630.D
 Acq: 22 Dec 2017 3:07

Instrument :
 BNA_F
 ClientSampleId :

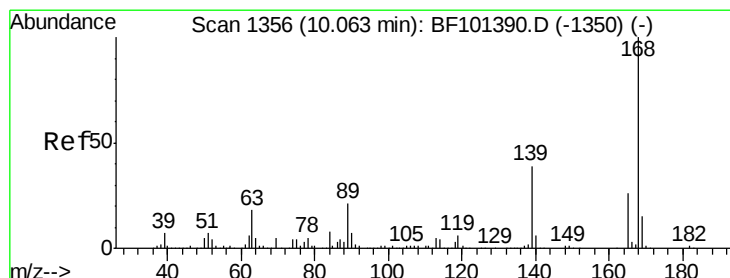
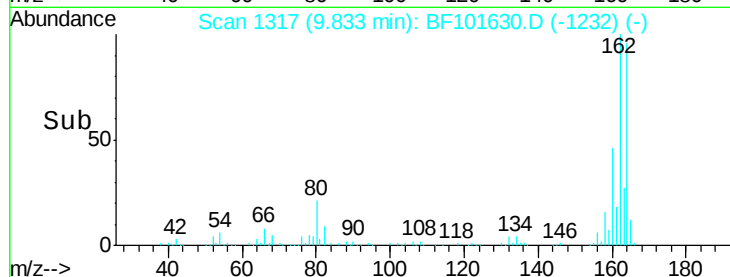
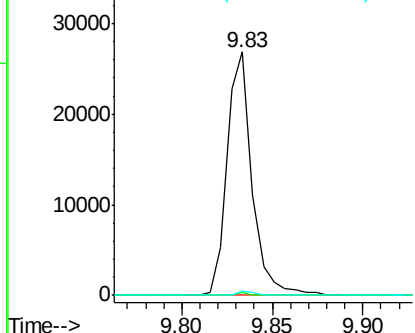
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	2.0	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

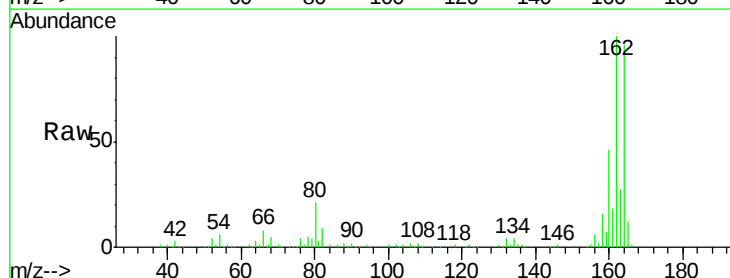
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56
 2,4-Dinitrotoluene
 Concen: 6.675 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.21 min
 Lab File: BF101630.D
 Acq: 22 Dec 2017 3:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	2.0	57.8	86.6#
182	0.0	1.6	2.4#

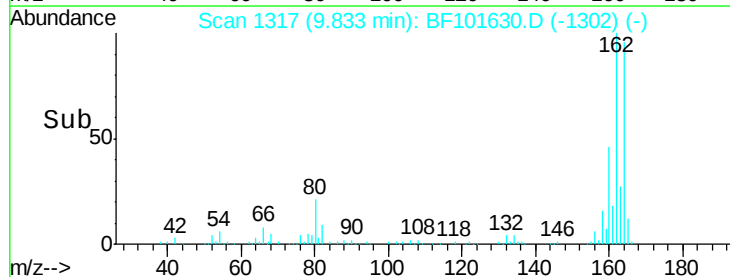
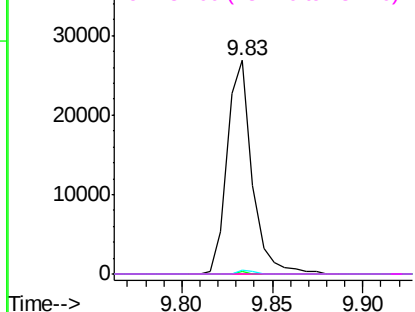


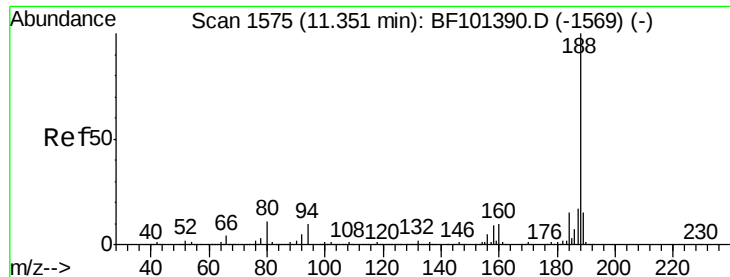
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF101630.D

Acq: 22 Dec 2017 3:07

Instrument :

BNA_F

ClientSampleId :

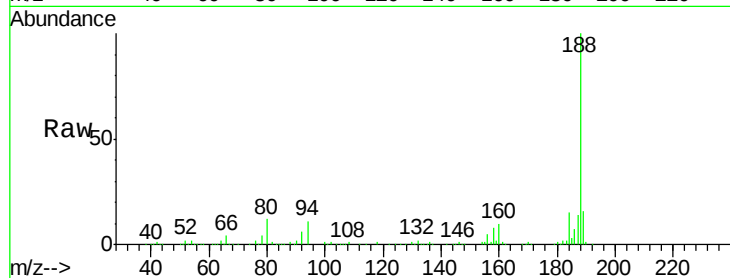
Tot Ion:188 Resp: 311860

Ion Ratio Lower Upper

188 100

94 10.5 8.5 12.7

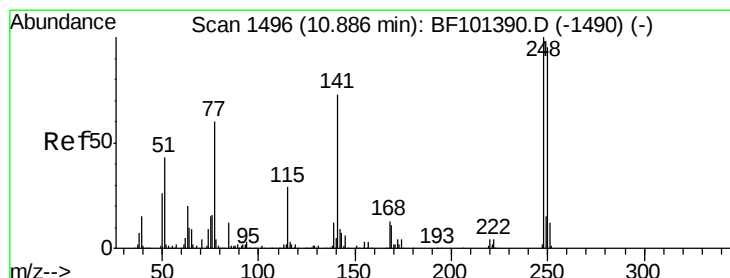
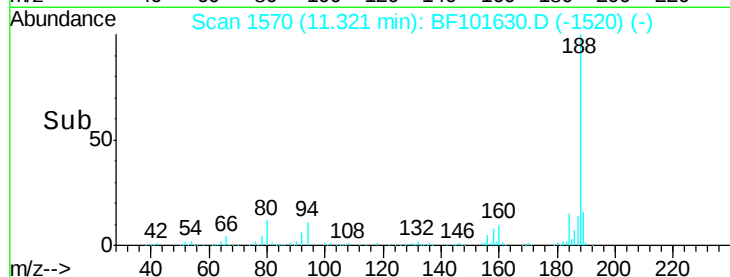
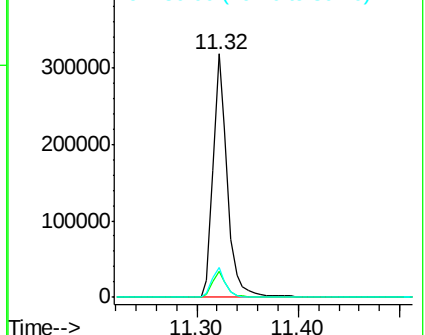
80 12.3 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#66

4-Bromophenyl-phenylether

Concen: 2.467 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.24 min

Lab File: BF101630.D

Acq: 22 Dec 2017 3:07

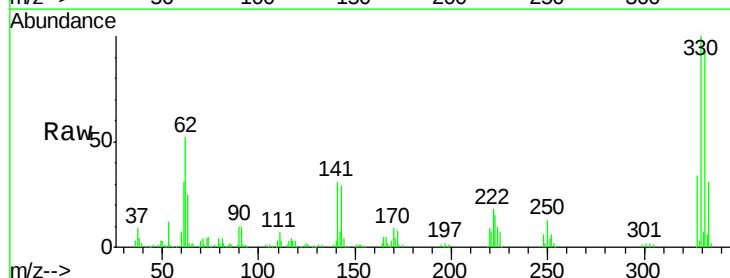
Tgt Ion:248 Resp: 8646

Ion Ratio Lower Upper

248 100

250 213.1 76.9 115.3#

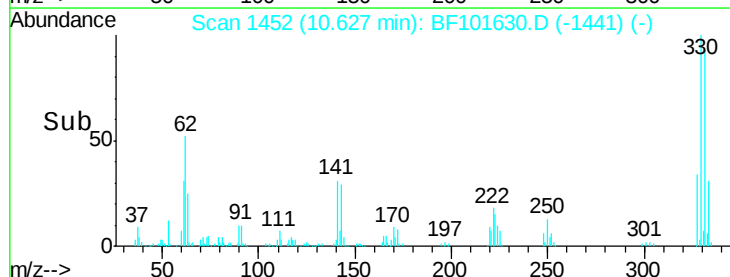
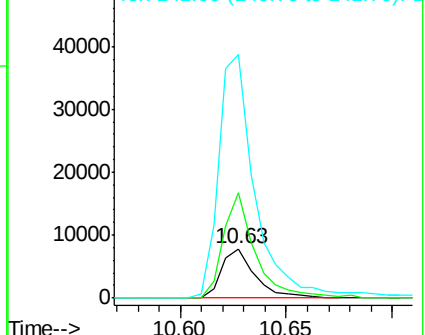
141 490.3 74.4 111.6#

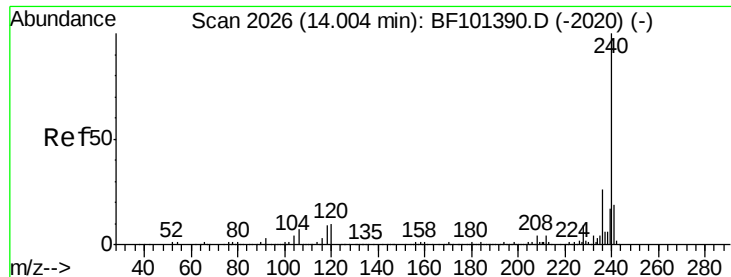


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF101630.D

Acq: 22 Dec 2017 3:07

Instrument :

BNA_F

ClientSampleId :

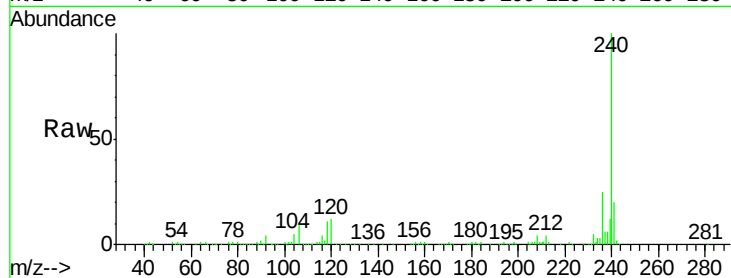
Tot Ion:240 Resp: 296278

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

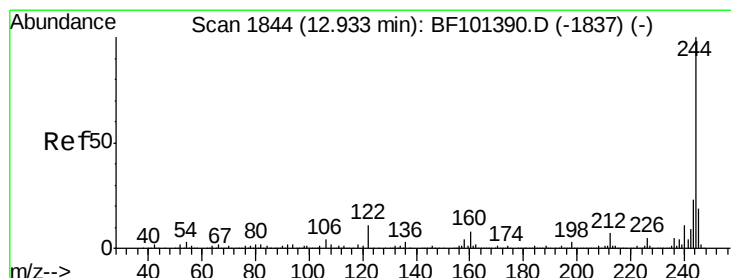
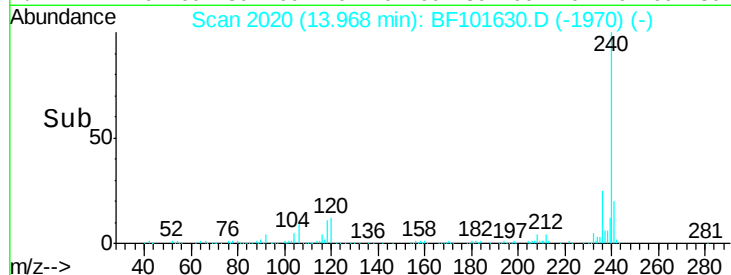
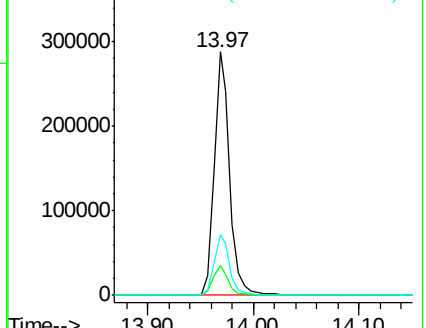
236 25.1 20.7 31.1



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: 70.421 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF101630.D

Acq: 22 Dec 2017 3:07

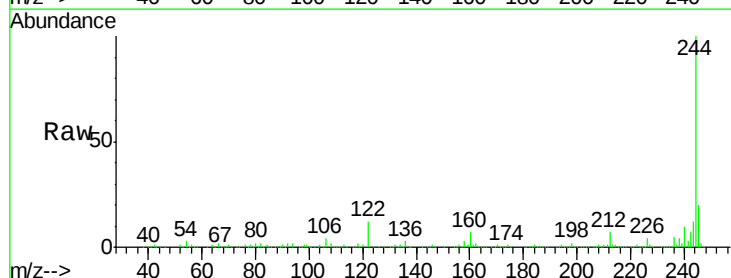
Tgt Ion:244 Resp: 865461

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

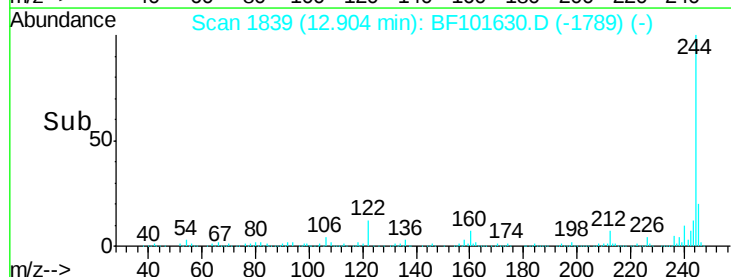
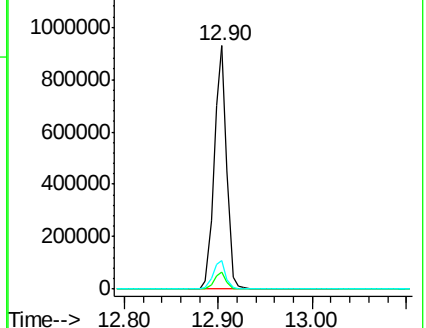
122 11.9 11.0 16.4

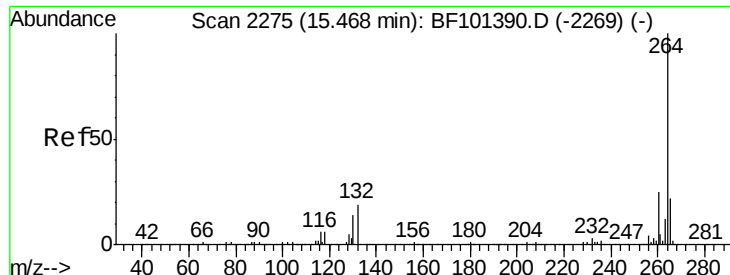


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

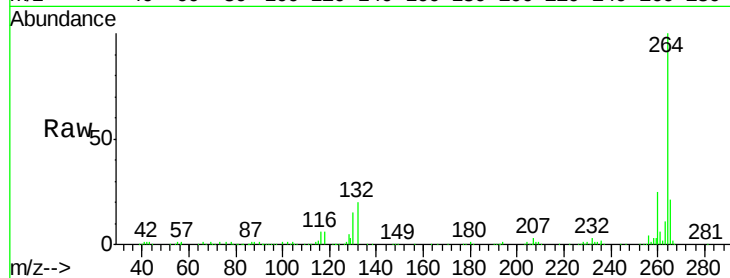




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF101630.D
Acq: 22 Dec 2017 3:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	21.3	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

