

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
 Data File : BF101810.D
 Acq On : 28 Dec 2017 18:46
 Operator : SJ/JU
 Sample : I6970-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 29 04:35:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

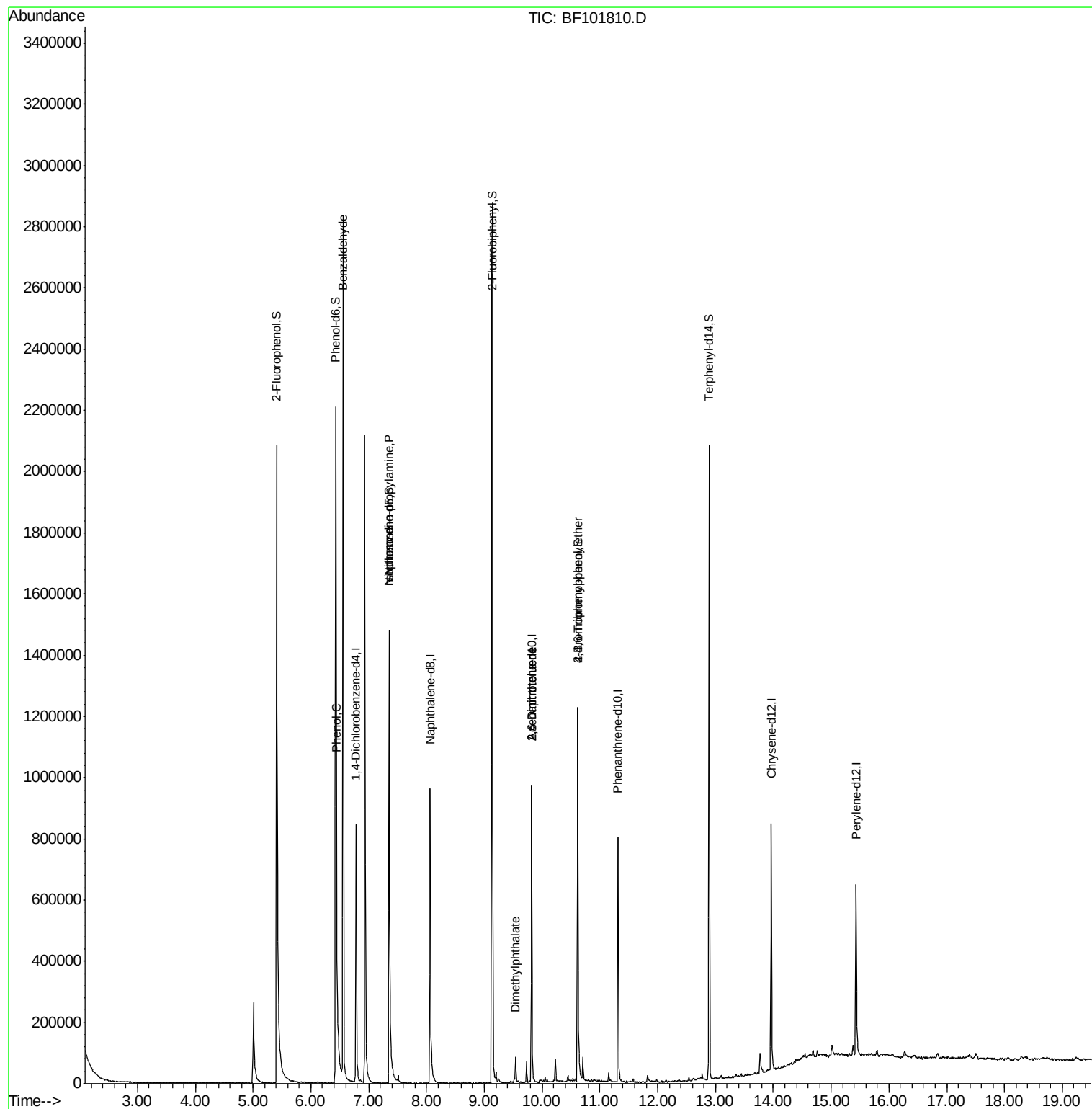
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	139780	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	539861	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	207308	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	319438	20.00	ng	0.00
75) Chrysene-d12	13.96	240	291317	20.00	ng	0.00
86) Perylene-d12	15.43	264	281452	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	903954	96.33	ng	0.00
7) Phenol-d6	6.43	99	1067461	91.40	ng	0.00
23) Nitrobenzene-d5	7.35	82	655599	67.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	171620	85.91	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	994502	74.42	ng	0.00
78) Terphenyl-d14	12.89	244	698956	57.84	ng	0.00
Target Compounds						
9) Benzaldehyde	6.56	77	18201	2.110	ng	82
10) Phenol	6.45	94	45769	3.438	ng	# 74
19) n-Nitroso-di-n-propylamine	7.35	70	84347	10.998	ng	# 82
25) Isophorone	7.35	82	655599	33.698	ng	# 64
49) Dimethylphthalate	9.54	163	38663	2.319	ng	# 99
50) 2,6-Dinitrotoluene	9.82	165	26270	7.751	ng	# 25
56) 2,4-Dinitrotoluene	9.82	165	26270	6.880	ng	# 22
66) 4-Bromophenyl-phenylether	10.62	248	10498	2.925	ng	# 1

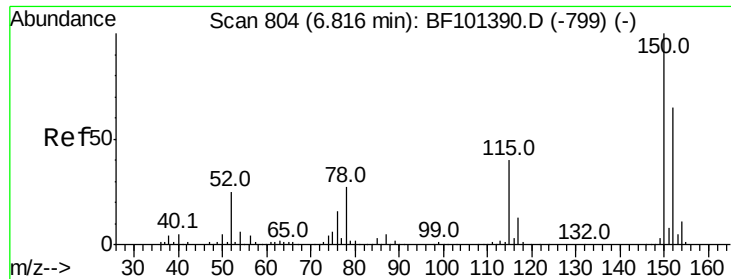
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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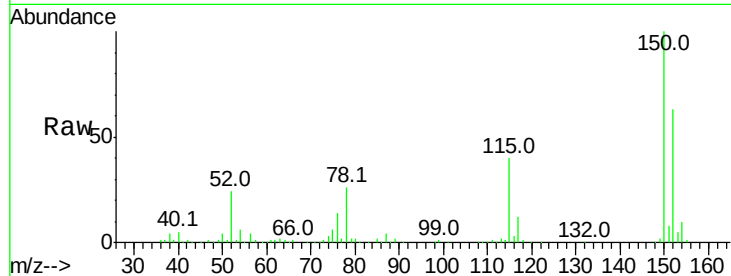


#1

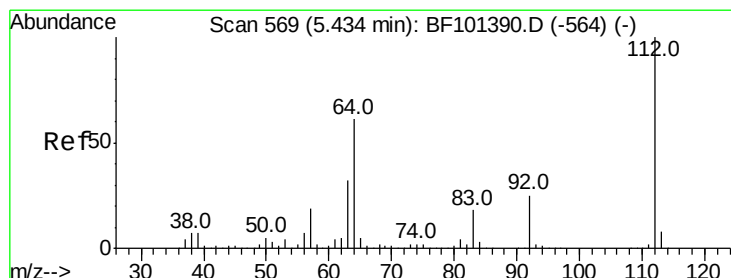
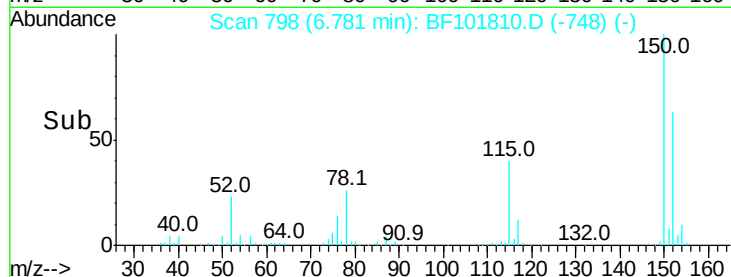
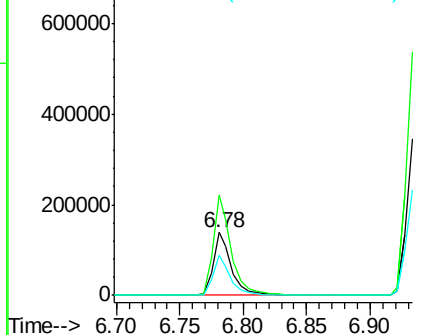
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF101810.D
Acq: 28 Dec 2017 18:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 139780
Ion Ratio Lower Upper
152 100
150 159.5 124.6 186.8
115 64.2 50.1 75.1



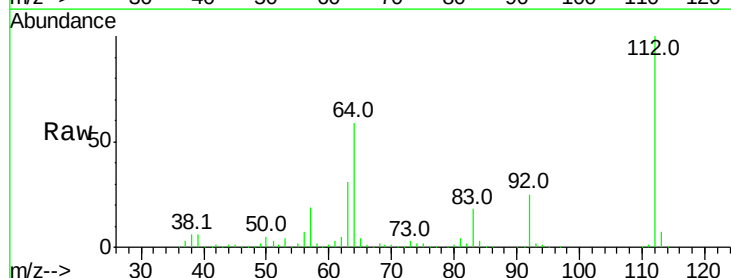
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



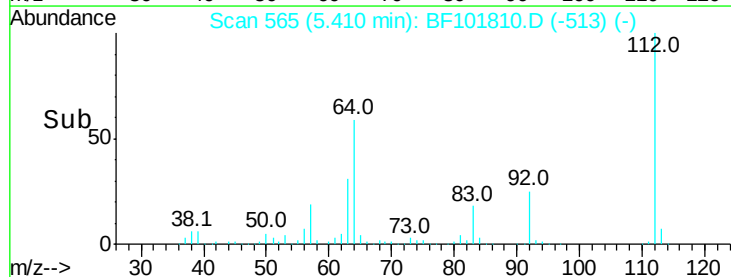
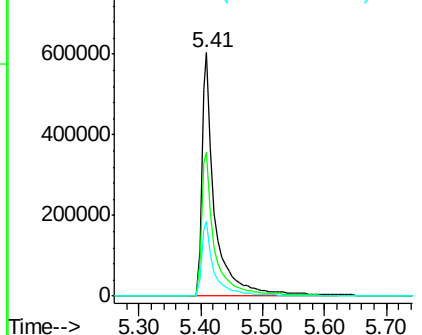
#5

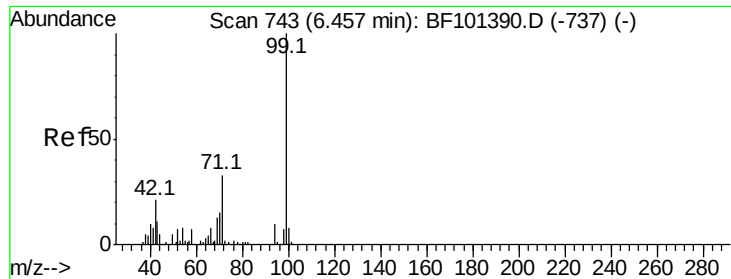
2-Fluorophenol
Concen: 96.331 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101810.D
Acq: 28 Dec 2017 18:46

Tgt Ion:112 Resp: 903954
Ion Ratio Lower Upper
112 100
64 58.9 47.9 71.9
63 30.7 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 91.403 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF101810.D

Acq: 28 Dec 2017 18:46

Instrument :

BNA_F

ClientSampled :

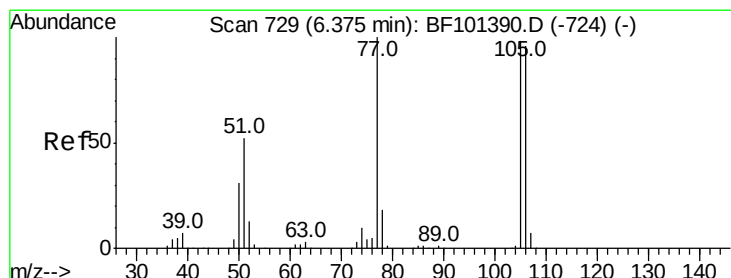
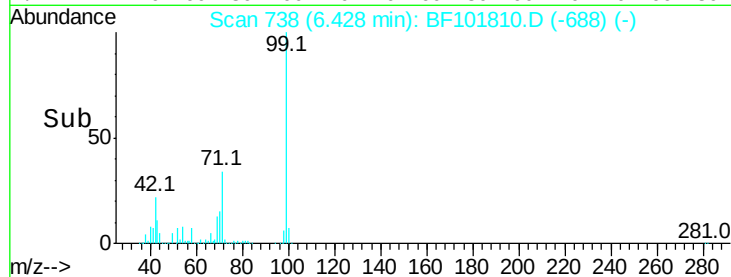
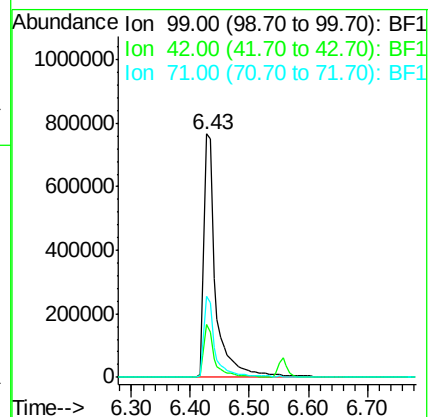
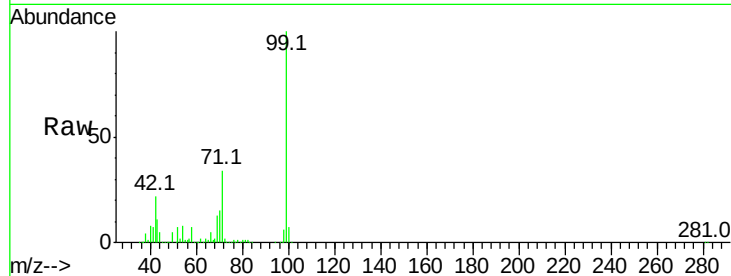
Tot Ion: 99 Resp: 1067461

Ion Ratio Lower Upper

99 100

42 21.6 14.5 21.7

71 33.5 25.4 38.0



#9

Benzaldehyde

Concen: 2.110 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.21 min

Lab File: BF101810.D

Acq: 28 Dec 2017 18:46

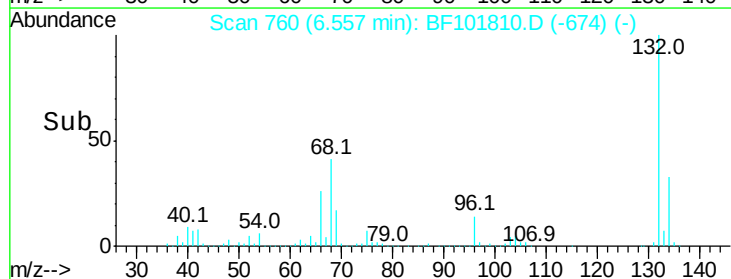
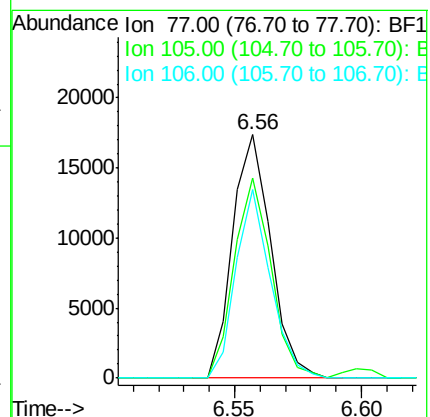
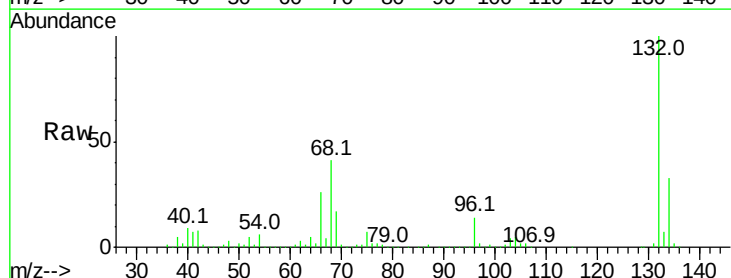
Tgt Ion: 77 Resp: 18201

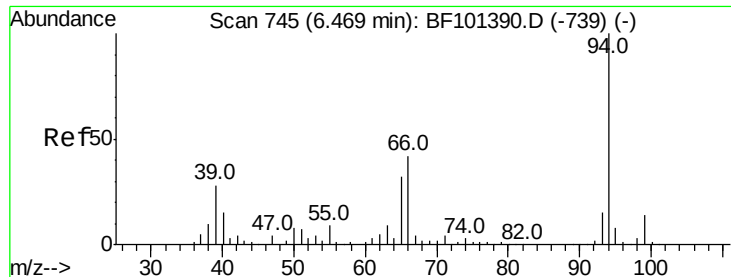
Ion Ratio Lower Upper

77 100

105 82.1 81.1 121.1

106 77.4 74.5 114.5

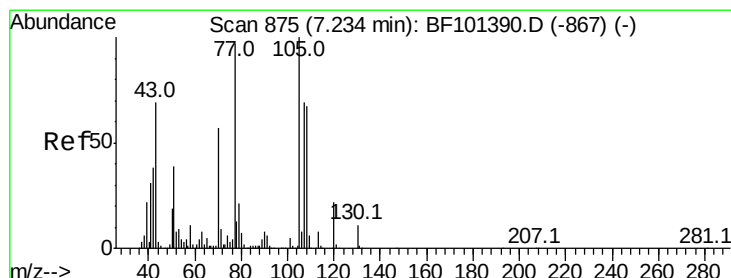
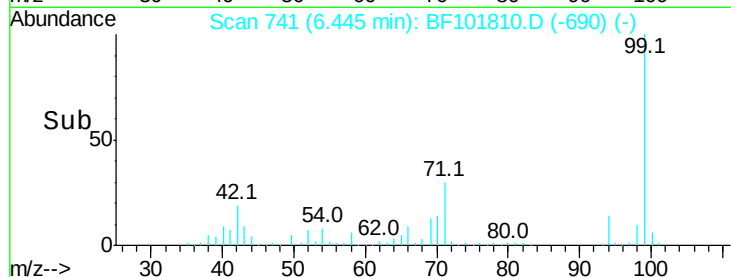
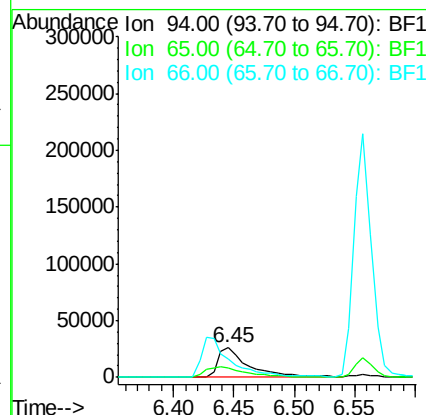
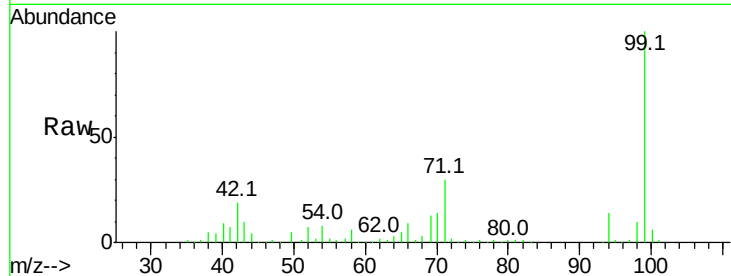




#10
Phenol
Concen: 3.438 ng
RT: 6.45 min Scan# 741
Delta R.T. -0.00 min
Lab File: BF101810.D
Acq: 28 Dec 2017 18:46

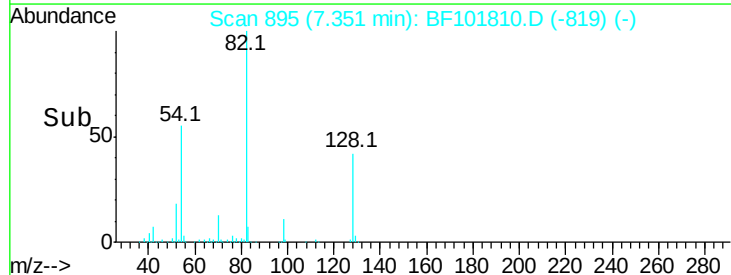
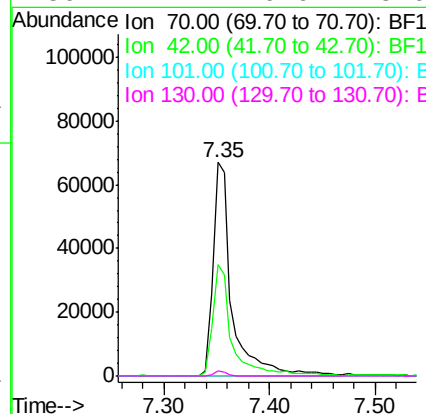
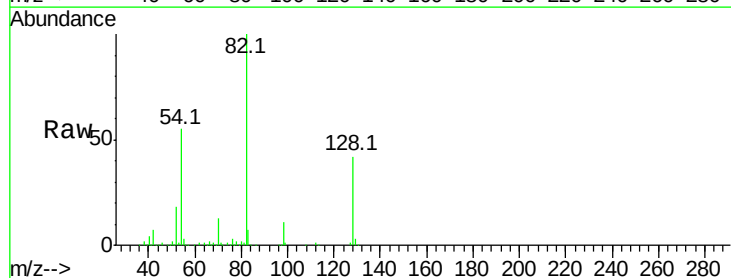
Instrument :
BNA_F
ClientSampleId :

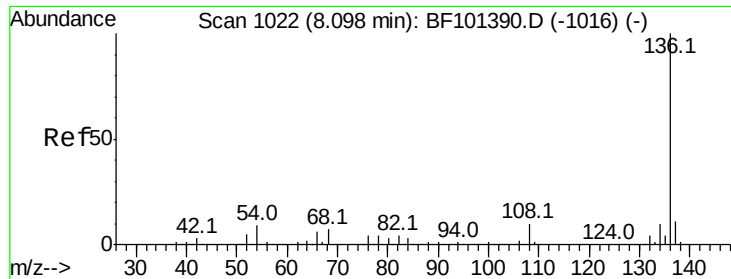
Tot Ion: 94 Resp: 45769
Ion Ratio Lower Upper
94 100
65 32.1 7.9 47.9
66 60.2 16.2 56.2#



#19
n-Nitroso-di-n-propylamine
Concen: 10.998 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.15 min
Lab File: BF101810.D
Acq: 28 Dec 2017 18:46

Tgt Ion: 70 Resp: 84347
Ion Ratio Lower Upper
70 100
42 52.0 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#

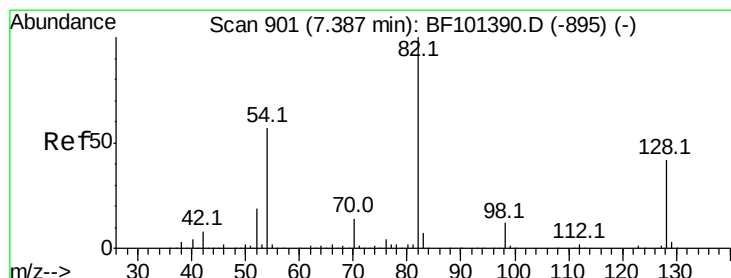
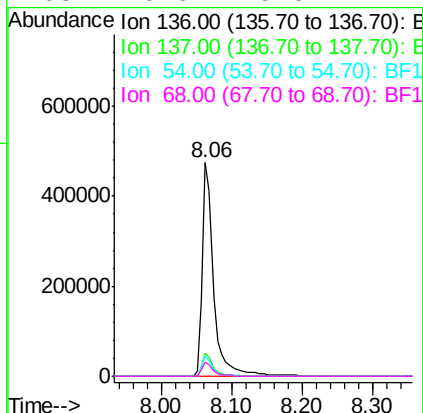
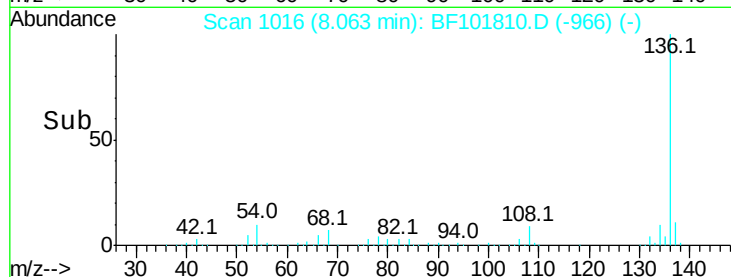
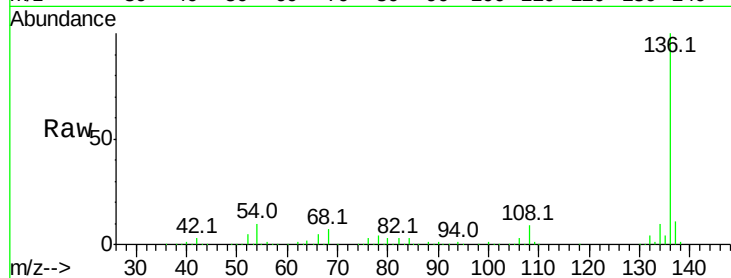




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF101810.D
Acq: 28 Dec 2017 18:46

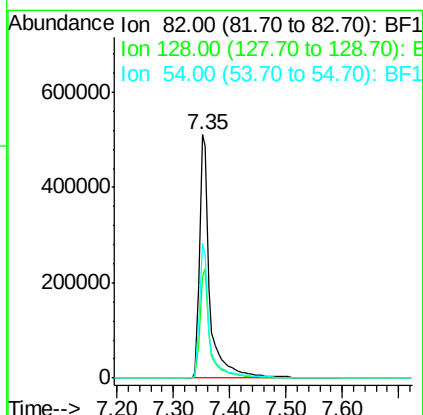
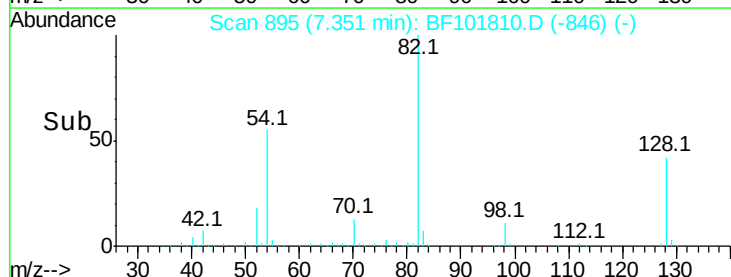
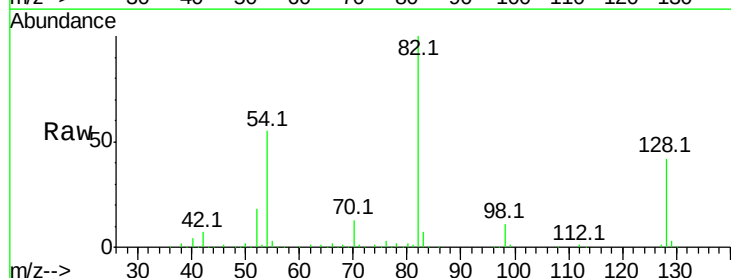
Instrument :
BNA_F
ClientSampleId :

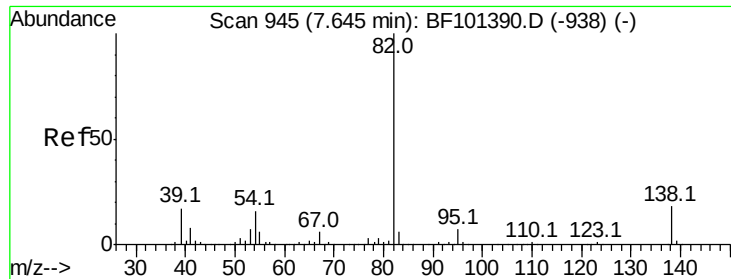
Tot Ion:	136	Resp:	539861
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.6	6.6	9.8
68	6.6	5.0	7.4



#23
Nitrobenzene-d5
Concen: 67.600 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF101810.D
Acq: 28 Dec 2017 18:46

Tgt Ion:	82	Resp:	655599
Ion	Ratio	Lower	Upper
82	100		
128	41.8	36.1	54.1
54	55.1	41.4	62.2





#25

Isophorone

Concen: 33.698 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.26 min

Lab File: BF101810.D

Acq: 28 Dec 2017 18:46

Instrument :

BNA_F

ClientSampleId :

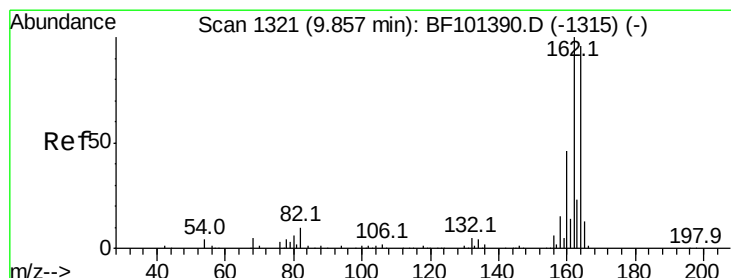
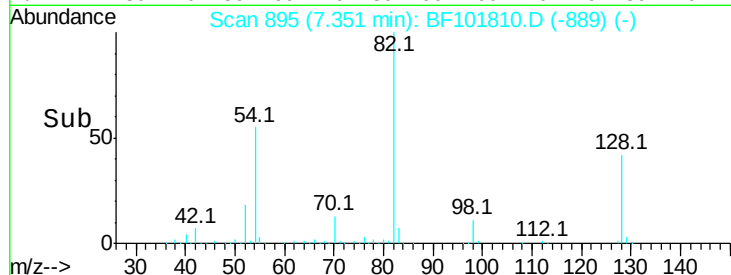
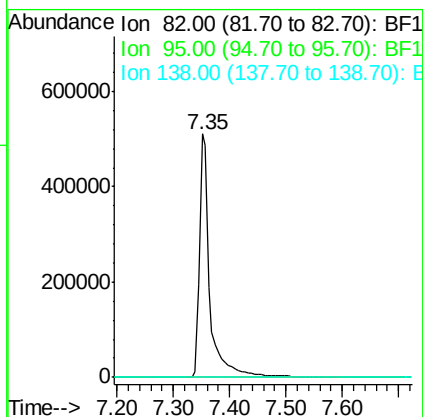
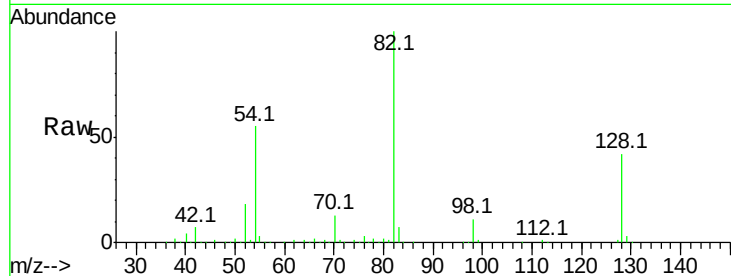
Tot Ion: 82 Resp: 655599

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: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF101810.D

Acq: 28 Dec 2017 18:46

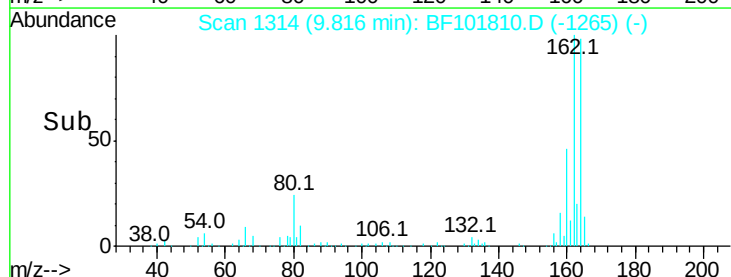
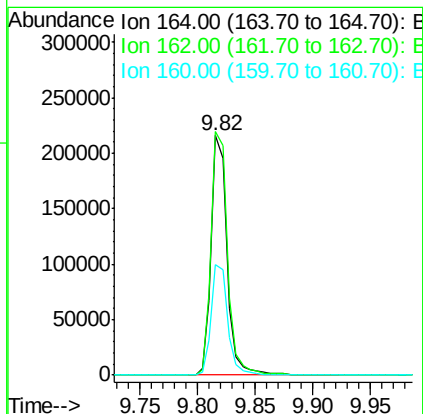
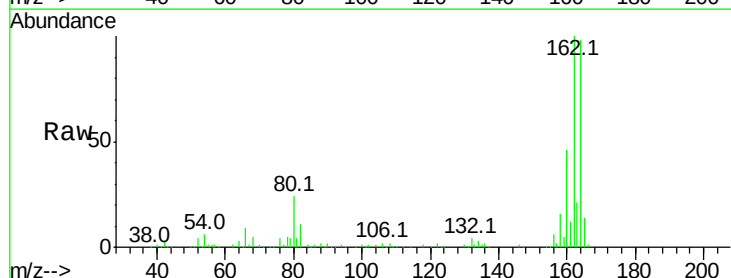
Tgt Ion: 164 Resp: 207308

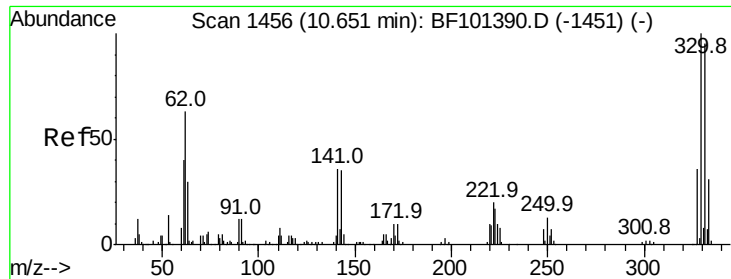
Ion Ratio Lower Upper

164 100

162 101.6 86.1 129.1

160 46.3 38.3 57.5

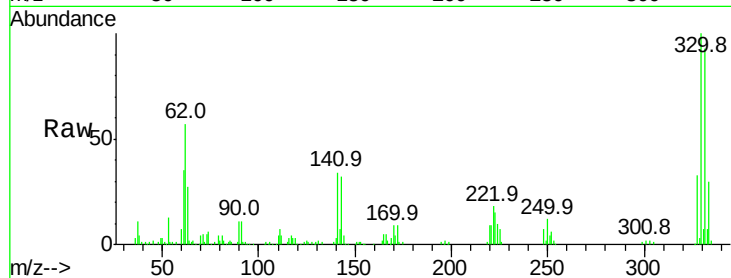




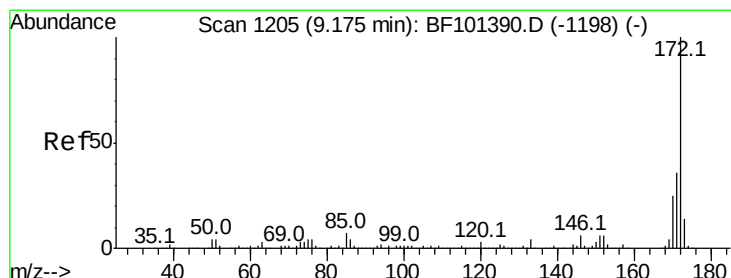
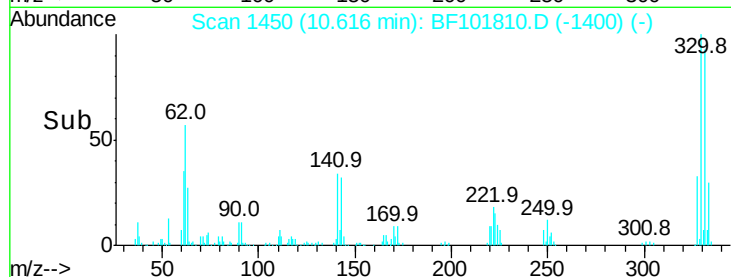
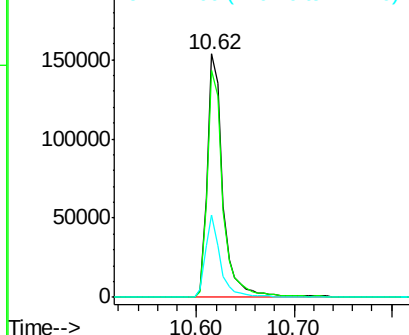
#41
 2,4,6-Tribromophenol
 Concen: 85.914 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF101810.D
 Acq: 28 Dec 2017 18:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.9	77.0	115.6
141	32.1	29.9	44.9

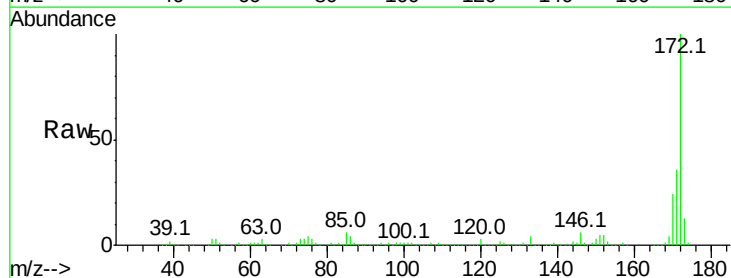


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

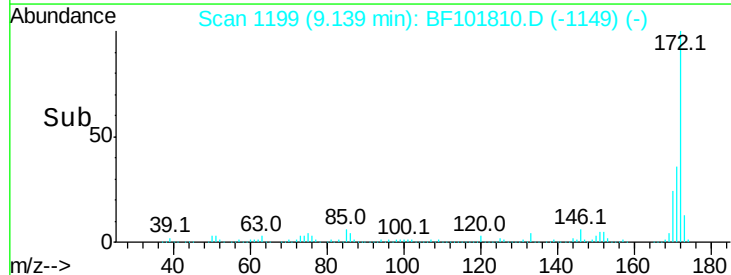
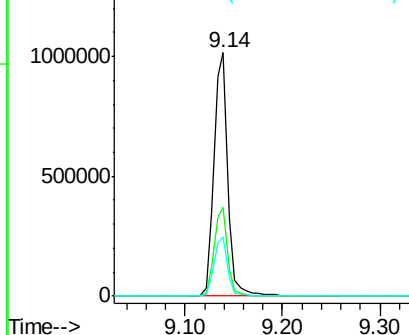


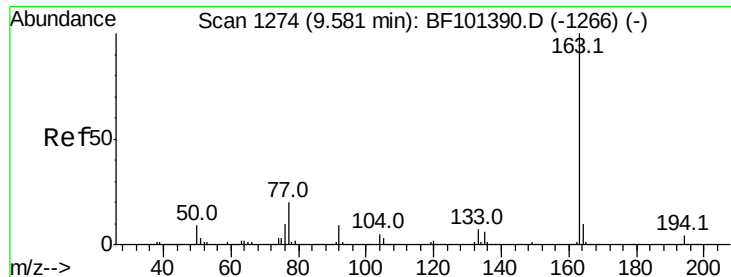
#44
 2-Fluorobiphenyl
 Concen: 74.416 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF101810.D
 Acq: 28 Dec 2017 18:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.2	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

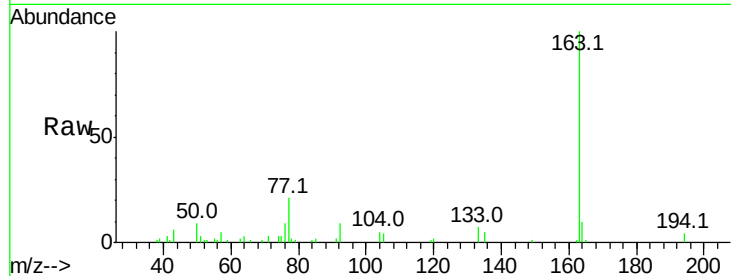




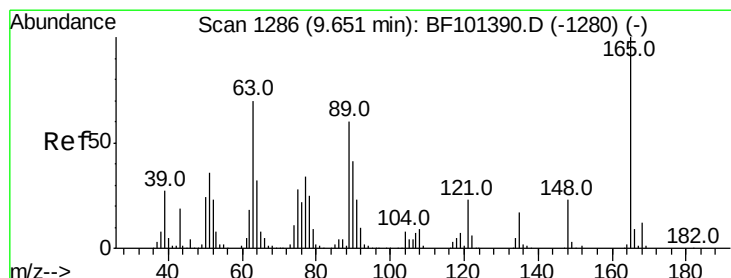
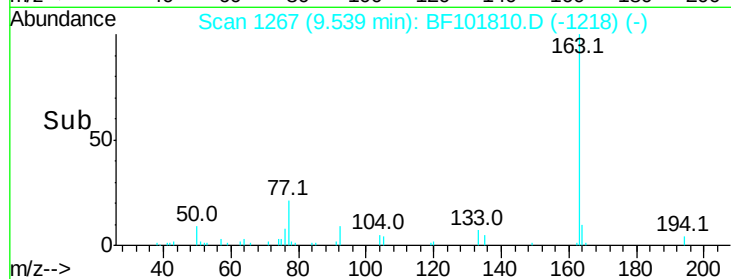
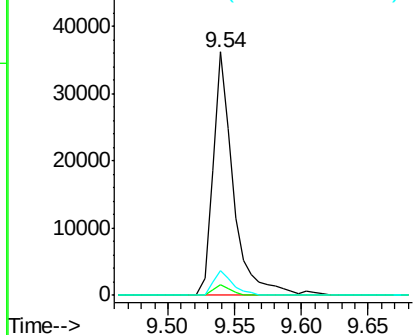
#49
 Dimethylphthalate
 Concen: 2.319 ng
 RT: 9.54 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BF101810.D
 Acq: 28 Dec 2017 18:46

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:	163	Resp:	38663
Ion	Ratio	Lower	Upper
163	100		
194	4.5	2.7	4.1#
164	10.4	8.2	12.2

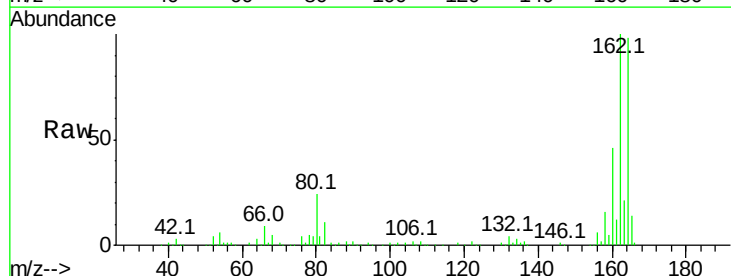


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

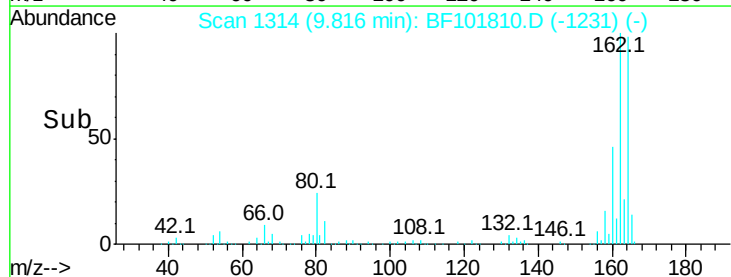
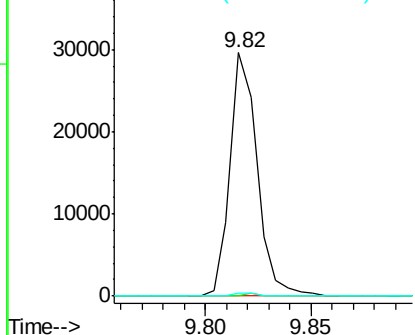


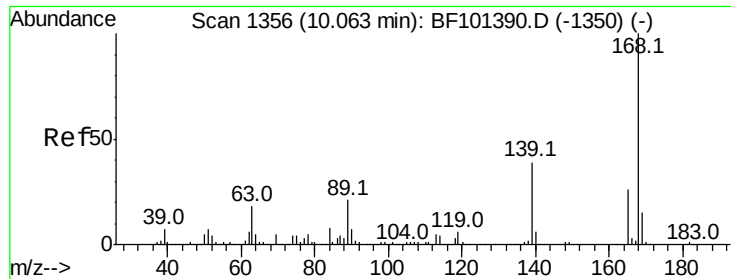
#50
 2,6-Dinitrotoluene
 Concen: 7.751 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.19 min
 Lab File: BF101810.D
 Acq: 28 Dec 2017 18:46

Tgt Ion:	165	Resp:	26270
Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.3	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

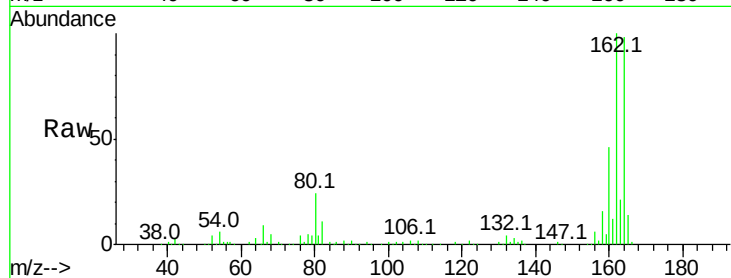




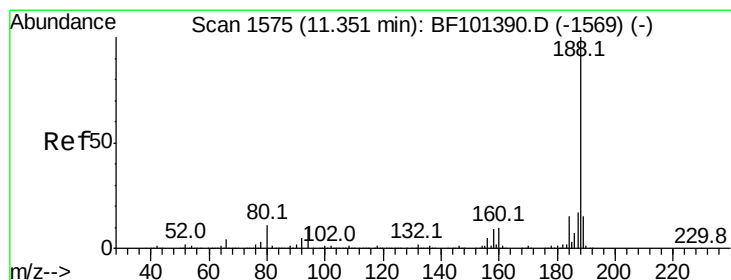
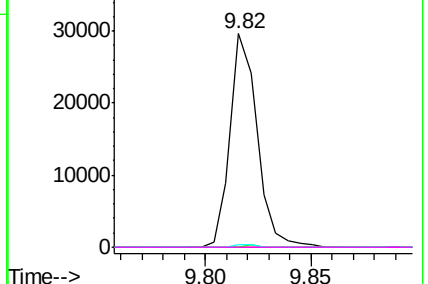
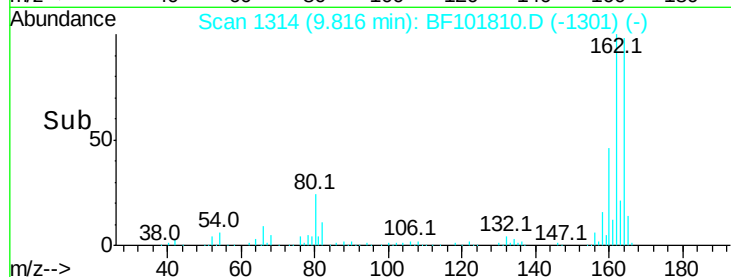
#56
 2,4-Dinitrotoluene
 Concen: 6.880 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.22 min
 Lab File: BF101810.D
 Acq: 28 Dec 2017 18:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 26270
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 1.3 57.8 86.6#
 182 0.0 1.6 2.4#

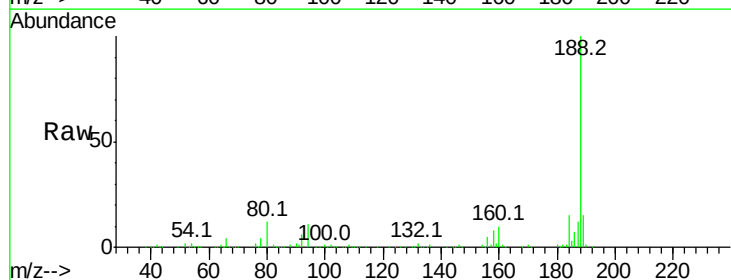


Abundance Ion 165.00 (164.70 to 165.70): E

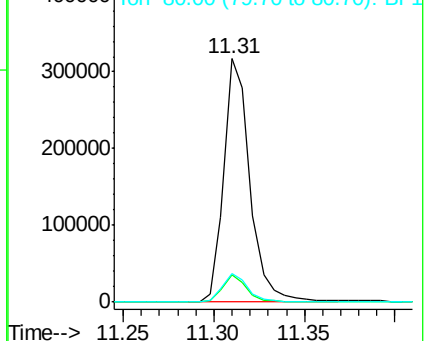
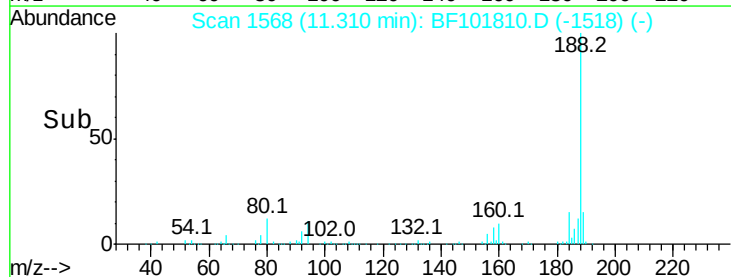


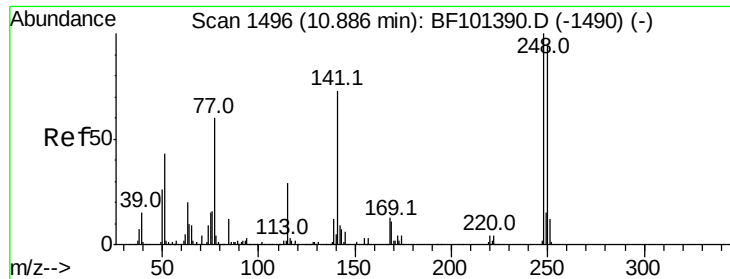
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF101810.D
 Acq: 28 Dec 2017 18:46

Tgt Ion:188 Resp: 319438
 Ion Ratio Lower Upper
 188 100
 94 11.4 8.5 12.7
 80 11.8 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

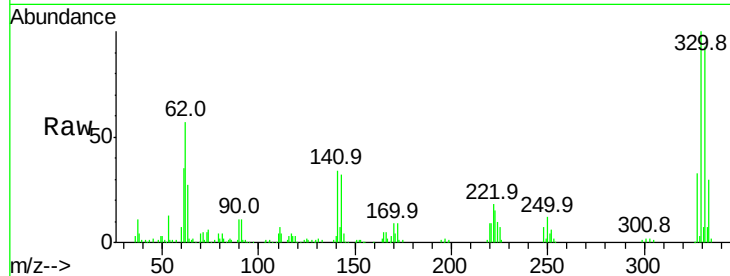




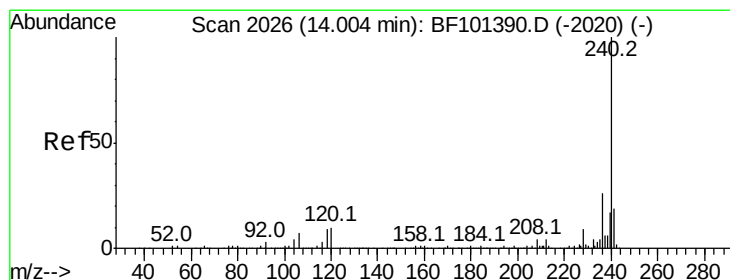
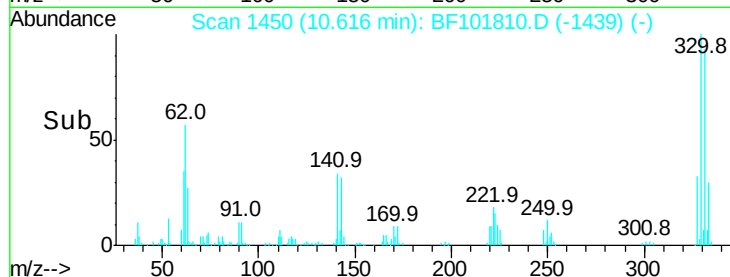
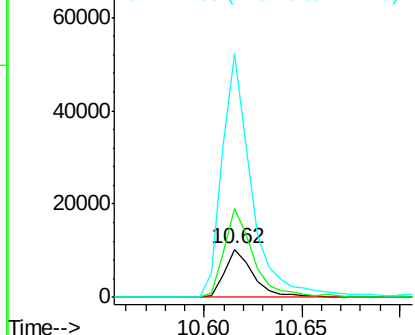
#66
4-Bromophenyl-phenylether
Concen: 2.925 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.24 min
Lab File: BF101810.D
Acq: 28 Dec 2017 18:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10498
Ion Ratio Lower Upper
248 100
250 184.8 76.9 115.3#
141 506.7 74.4 111.6#

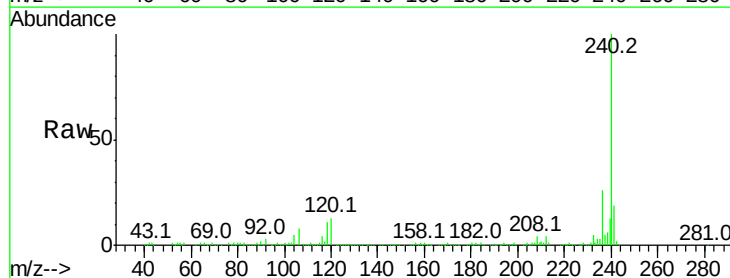


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

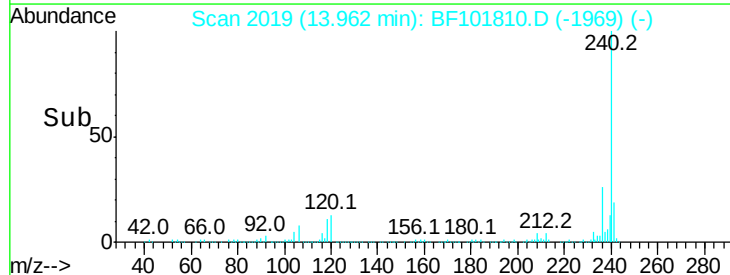
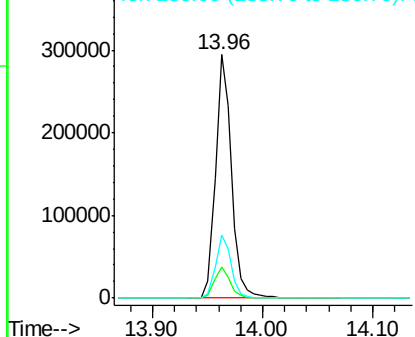


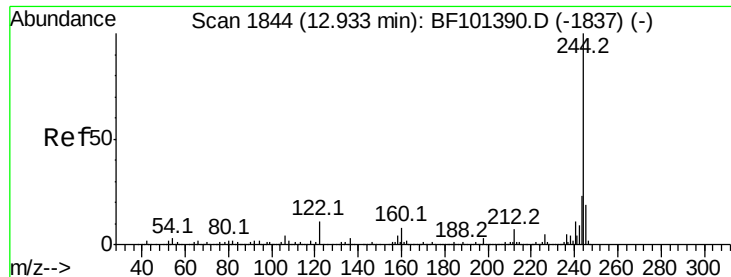
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF101810.D
Acq: 28 Dec 2017 18:46

Tgt Ion:240 Resp: 291317
Ion Ratio Lower Upper
240 100
120 12.5 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: 57.842 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF101810.D

Acq: 28 Dec 2017 18:46

Instrument :

BNA_F

ClientSampleId :

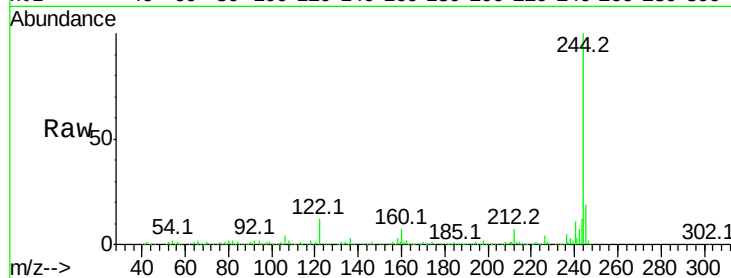
Tot Ion:244 Resp: 698956

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

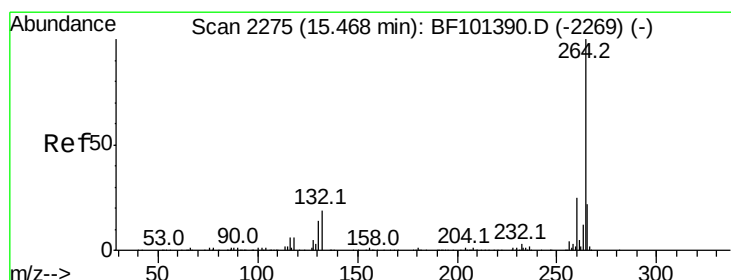
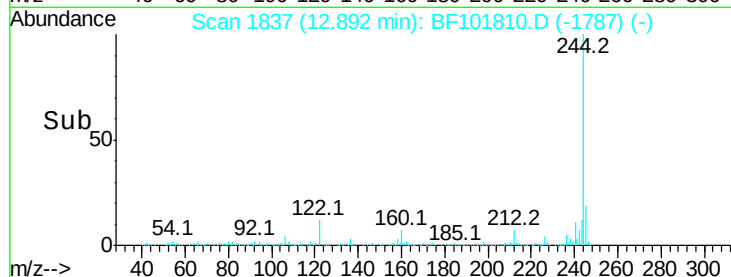
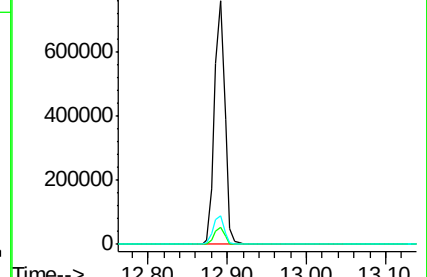
122 11.9 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2269

Delta R.T. -0.00 min

Lab File: BF101810.D

Acq: 28 Dec 2017 18:46

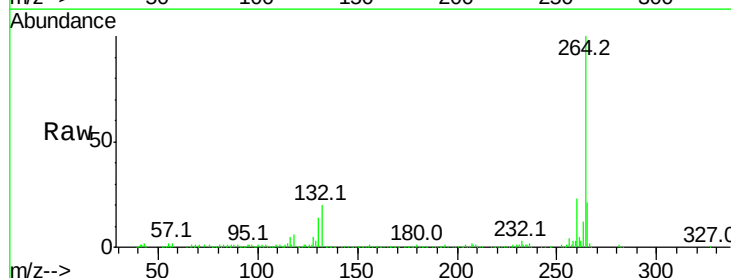
Tgt Ion:264 Resp: 281452

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.5 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

