

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011718\
 Data File : BF102170.D
 Acq On : 18 Jan 2018 00:21
 Operator : SJ/JU
 Sample : J1169-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 18 01:14:16 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 17 15:28:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	158873	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	629294	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	261283	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	381321	20.00	ng	0.00
75) Chrysene-d12	13.87	240	259898	20.00	ng	0.00
86) Perylene-d12	15.28	264	263158	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1163340	103.40	ng	0.02
7) Phenol-d6	6.36	99	1356022	101.02	ng	0.00
23) Nitrobenzene-d5	7.29	82	878870	82.07	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	256887	112.66	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1451778	86.81	ng	0.00
78) Terphenyl-d14	12.82	244	919344	73.44	ng	0.00

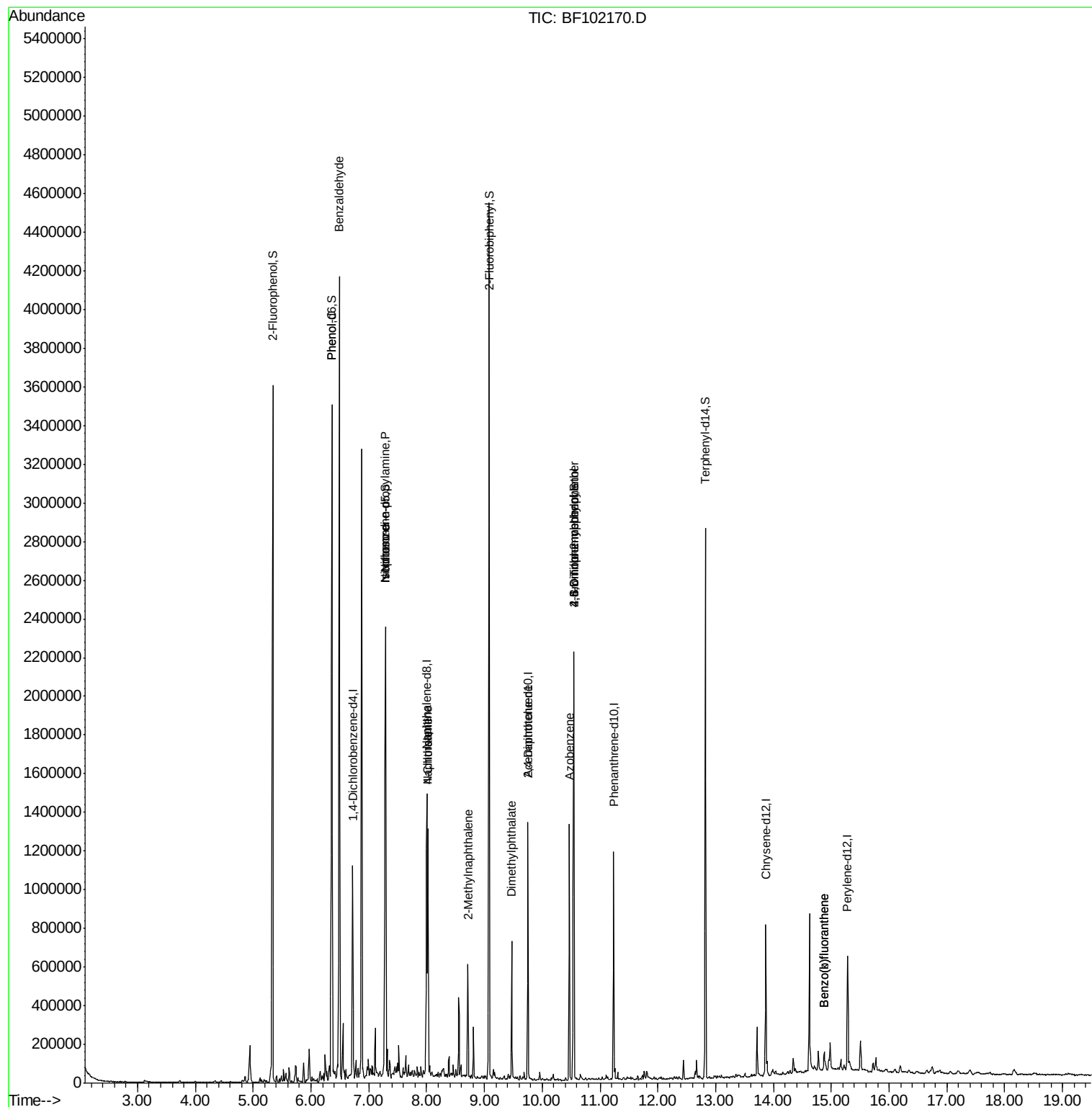
Target Compounds				Qvalue		
9) Benzaldehyde	6.49	77	25894	2.778	ng	91
10) Phenol	6.37	94	59656	3.932	ng	# 73
19) n-Nitroso-di-n-propylamine	7.29	70	119763	13.614	ng	# 80
25) Isophorone	7.29	82	861834	40.730	ng	# 65
31) Naphthalene	8.02	128	517891	16.470	ng	99
33) 4-Chloroaniline	8.02	127	69718	5.195	ng	# 37
37) 2-Methylnaphthalene	8.72	142	162733	7.861	ng	99
49) Dimethylphthalate	9.47	163	263020	12.549	ng	99
56) 2,4-Dinitrotoluene	9.75	165	33775	6.436	ng	# 23
62) Azobenzene	10.47	77	218336	10.525	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.55	198	578	5.908	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	16484	4.093	ng	# 1
87) Benzo(b)fluoranthene	14.87	252	57107	3.328	ng	# 98
88) Benzo(k)fluoranthene	14.87	252	57107	3.450	ng	98

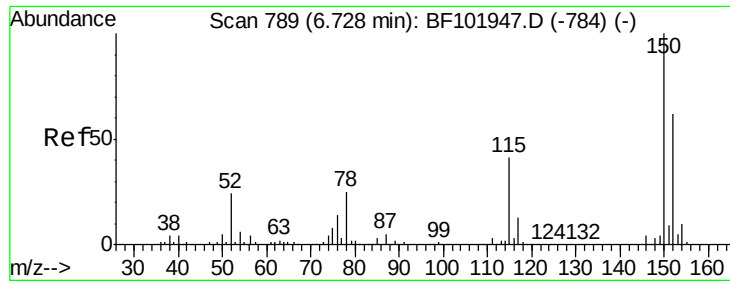
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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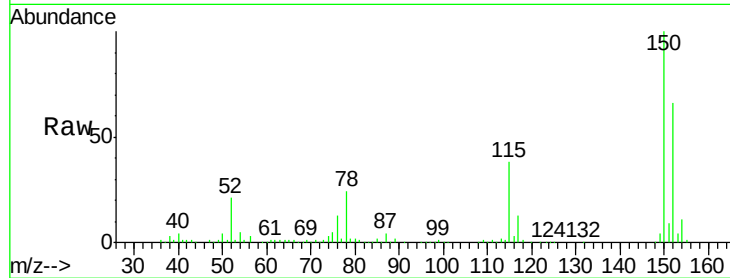


#1

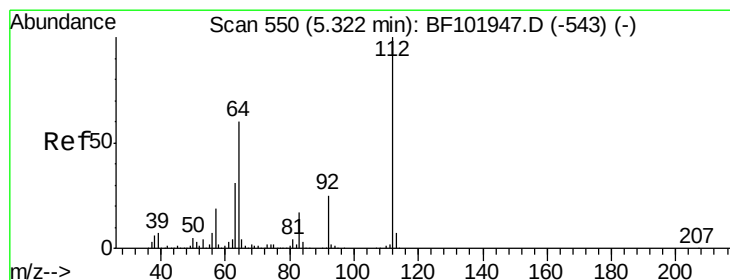
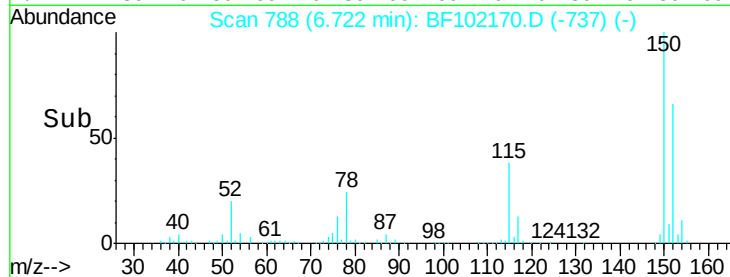
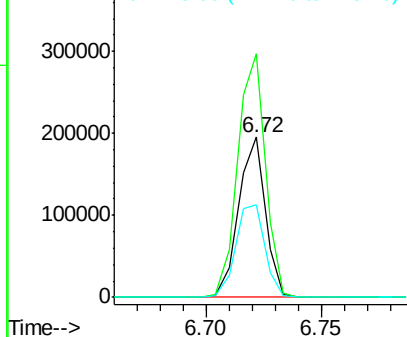
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF102170.D
Acq: 18 Jan 2018 00:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 158873
Ion Ratio Lower Upper
152 100
150 152.3 124.6 186.8
115 58.0 50.1 75.1



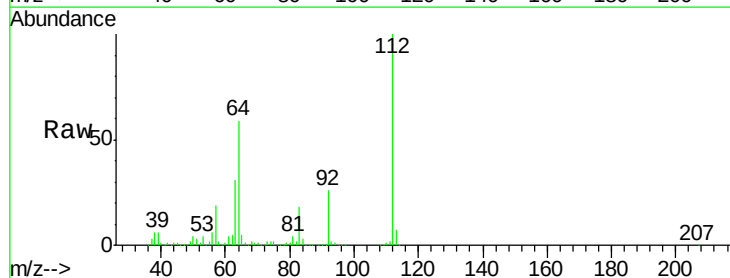
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



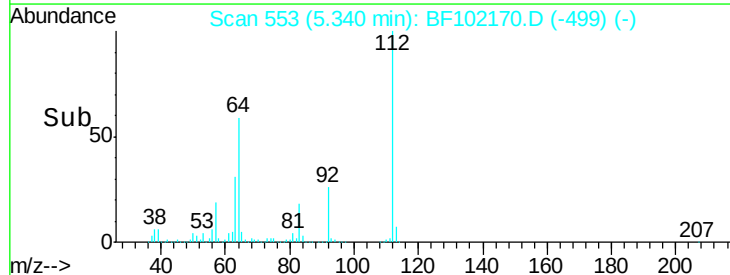
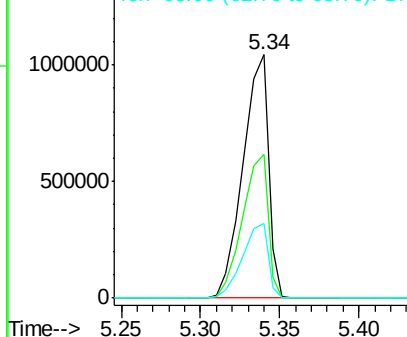
#5

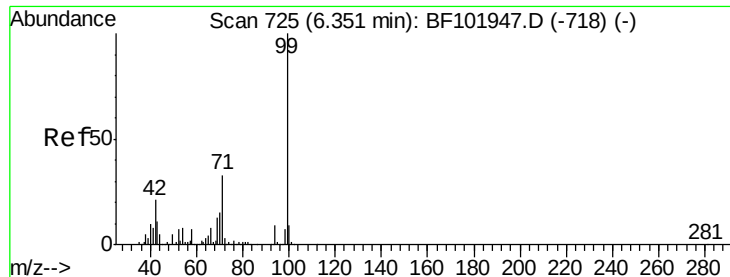
2-Fluorophenol
Concen: 103.399 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.02 min
Lab File: BF102170.D
Acq: 18 Jan 2018 00:21

Tgt Ion:112 Resp: 1163340
Ion Ratio Lower Upper
112 100
64 58.8 47.9 71.9
63 30.6 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: 101.018 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF102170.D

Acq: 18 Jan 2018 00:21

Instrument :

BNA_F

ClientSampleId :

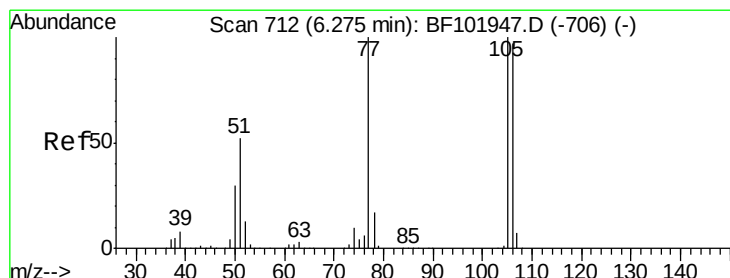
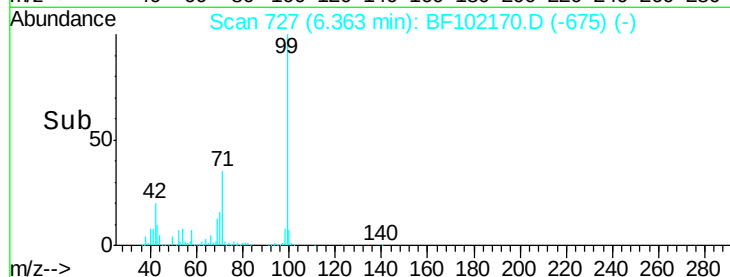
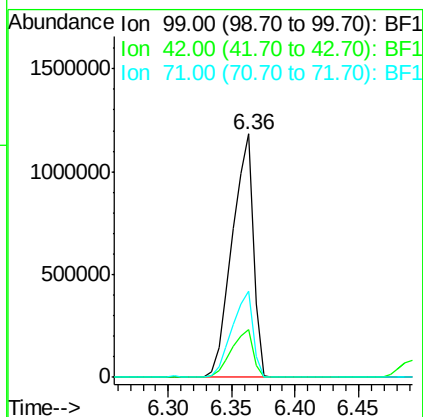
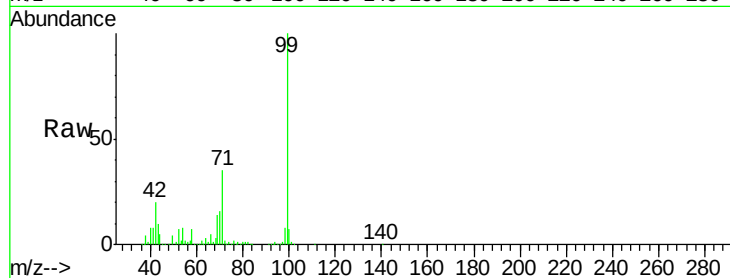
Tot Ion: 99 Resp: 1356022

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

71 35.5 25.4 38.0



#9

Benzaldehyde

Concen: 2.778 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102170.D

Acq: 18 Jan 2018 00:21

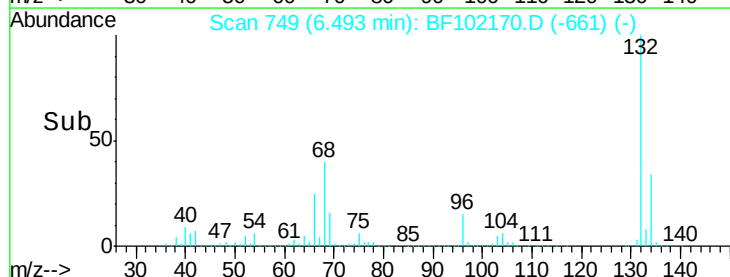
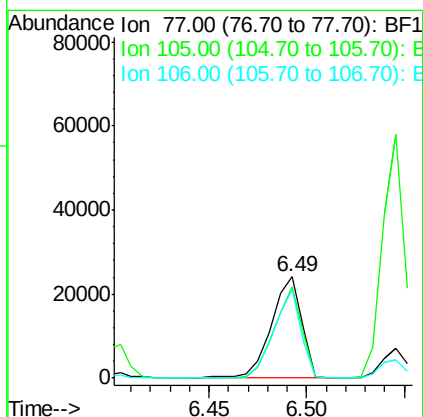
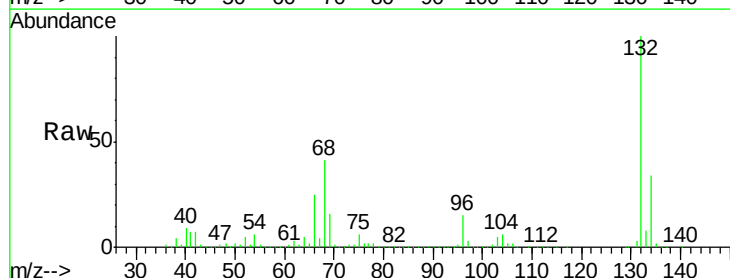
Tgt Ion: 77 Resp: 25894

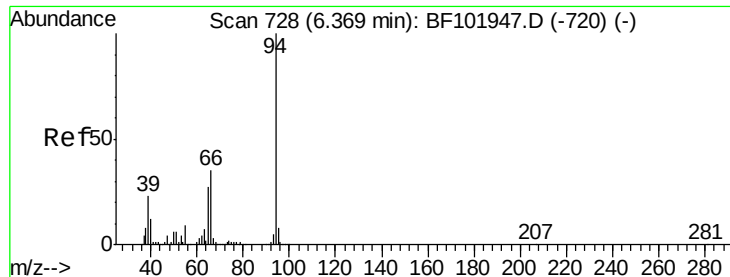
Ion Ratio Lower Upper

77 100

105 89.8 81.1 121.1

106 87.3 74.5 114.5

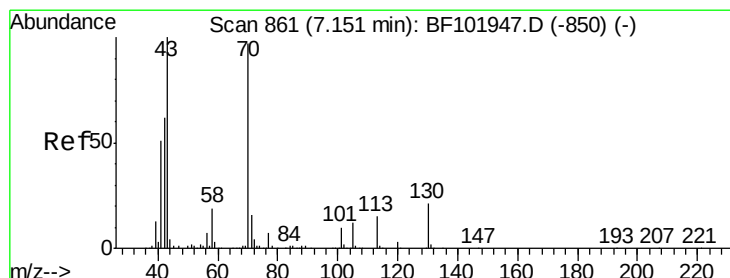
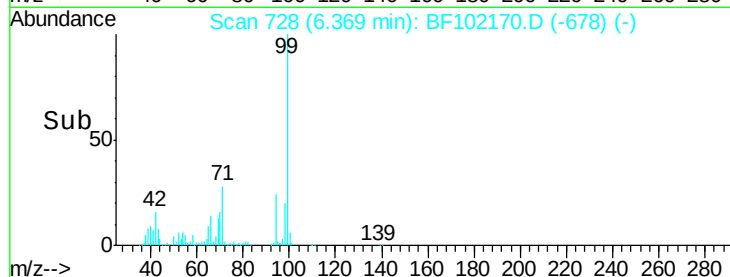
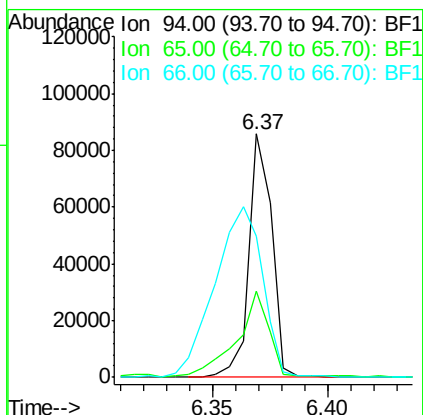
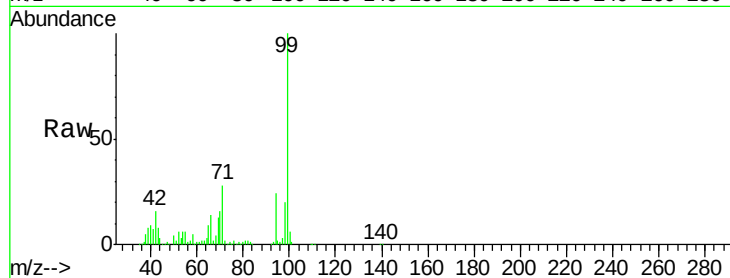




#10
Phenol
Concen: 3.932 ng
RT: 6.37 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF102170.D
Acq: 18 Jan 2018 00:21

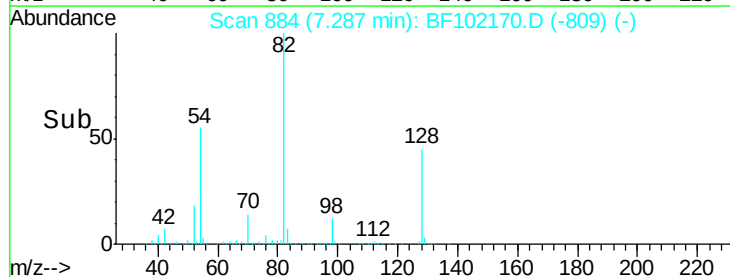
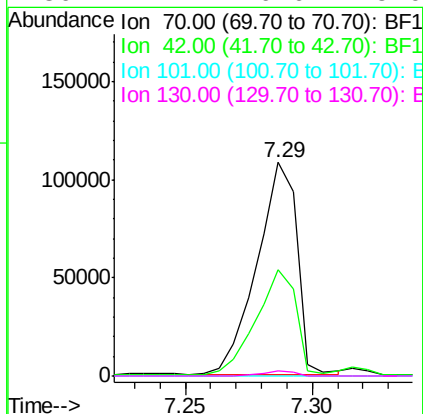
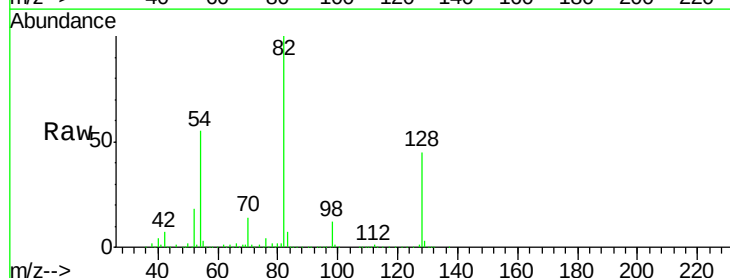
Instrument :
BNA_F
ClientSampled :

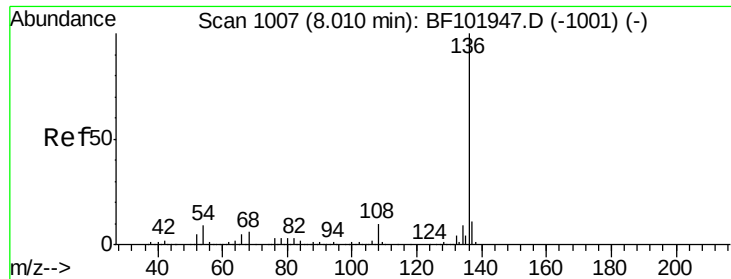
Tot Ion: 94 Resp: 59656
Ion Ratio Lower Upper
94 100
65 35.6 7.9 47.9
66 58.1 16.2 56.2#



#19
n-Nitroso-di-n-propylamine
Concen: 13.614 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.14 min
Lab File: BF102170.D
Acq: 18 Jan 2018 00:21

Tgt Ion: 70 Resp: 119763
Ion Ratio Lower Upper
70 100
42 49.9 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#

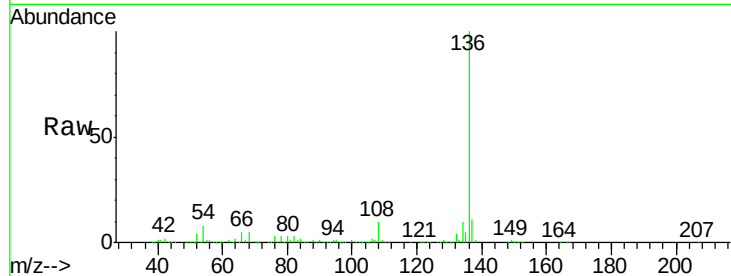




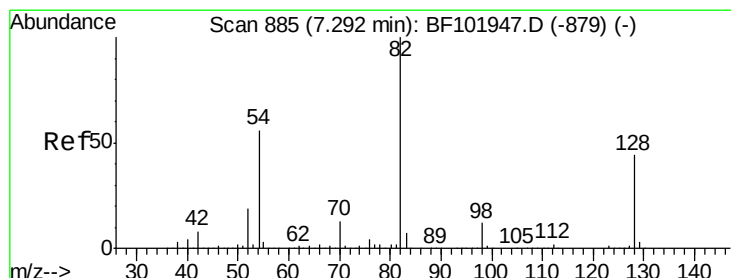
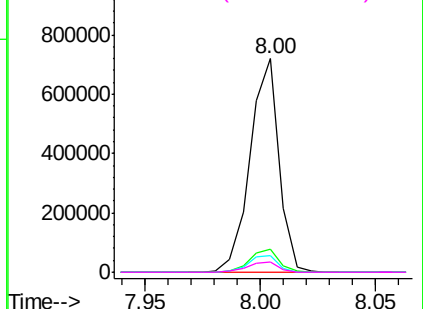
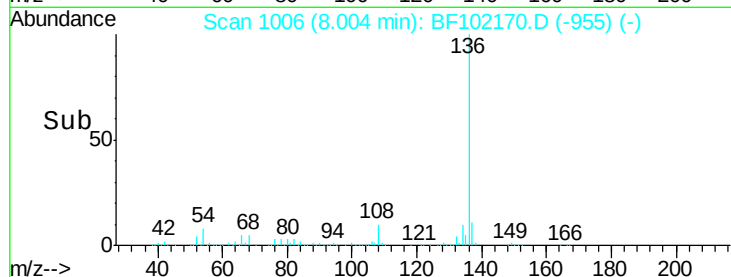
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. 0.00 min
Lab File: BF102170.D
Acq: 18 Jan 2018 00:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	629294	
Ion Ratio	Lower	Upper	
136 100			
137 10.7	8.9	13.3	
54 7.6	6.6	9.8	
68 5.1	5.0	7.4	

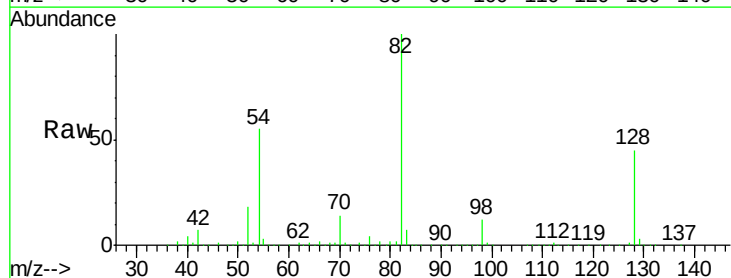


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

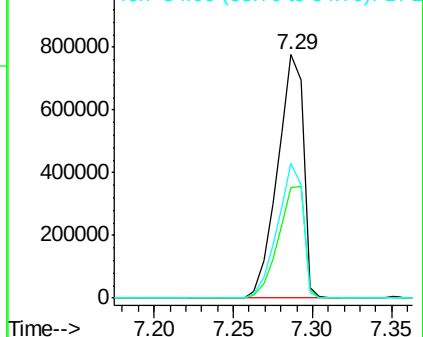
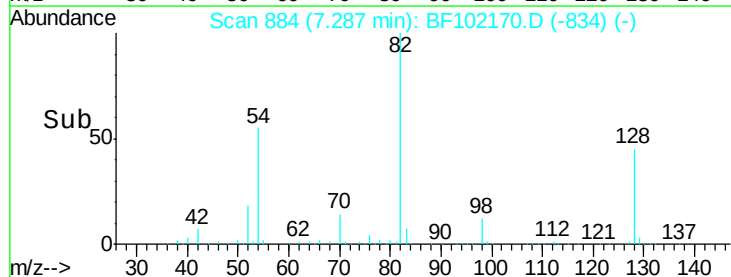


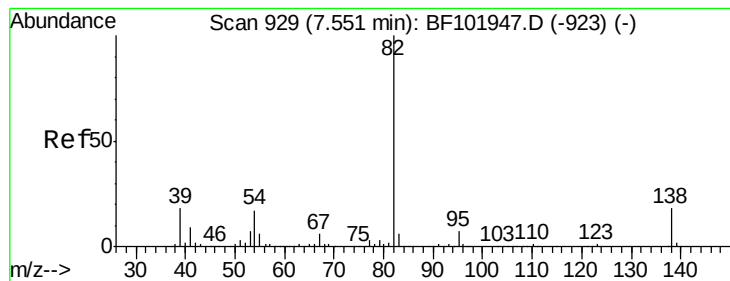
#23
Nitrobenzene-d5
Concen: 82.070 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102170.D
Acq: 18 Jan 2018 00:21

Tgt Ion: 82	Resp: 878870
Ion Ratio	Lower Upper
82 100	
128 45.2	36.1 54.1
54 55.2	41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 40.730 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102170.D

Acq: 18 Jan 2018 00:21

Instrument :

BNA_F

ClientSampleId :

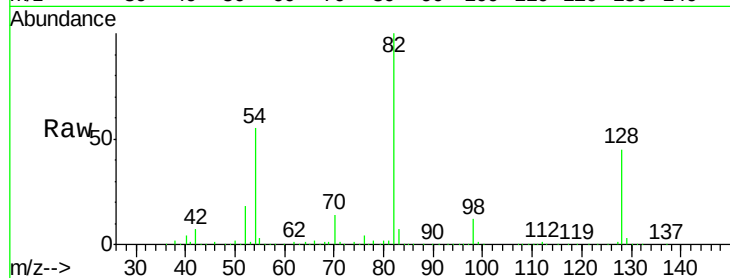
Tot Ion: 82 Resp: 861834

Ion Ratio Lower Upper

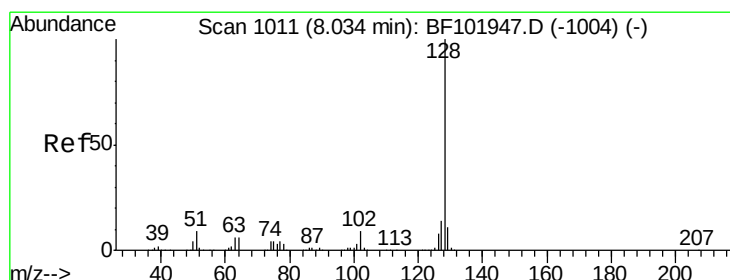
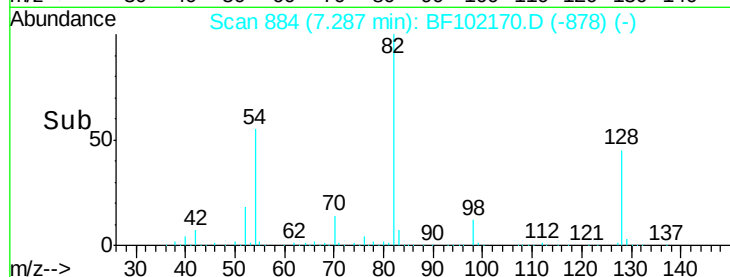
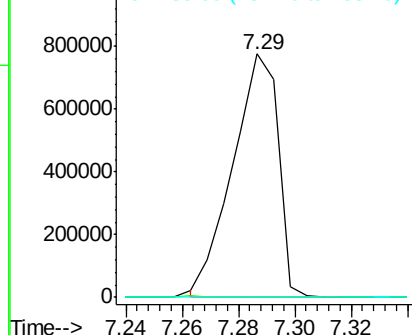
82 100

95 0.4 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 16.470 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF102170.D

Acq: 18 Jan 2018 00:21

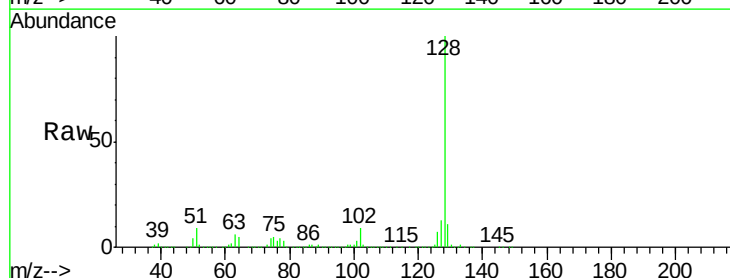
Tgt Ion: 128 Resp: 517891

Ion Ratio Lower Upper

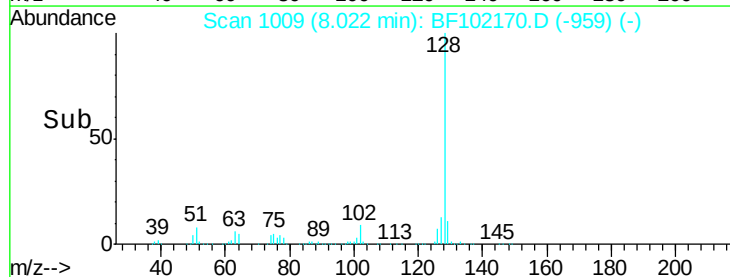
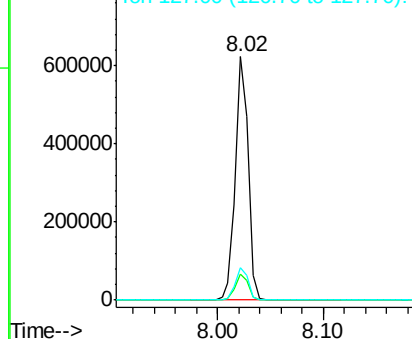
128 100

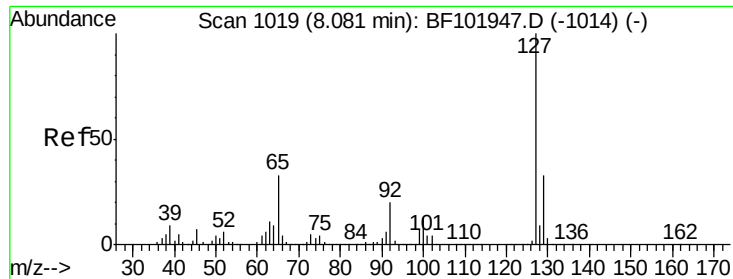
129 10.5 8.8 13.2

127 13.3 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): BF1
Ion 129.00 (128.70 to 129.70): BF1
Ion 127.00 (126.70 to 127.70): BF1

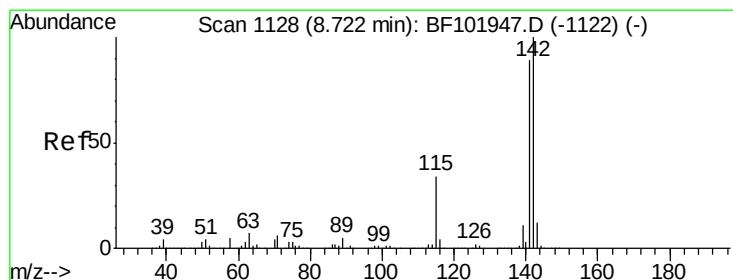
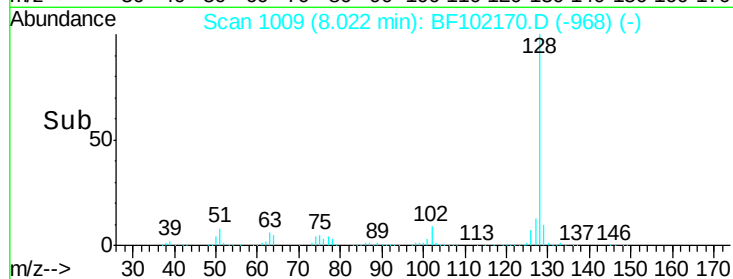
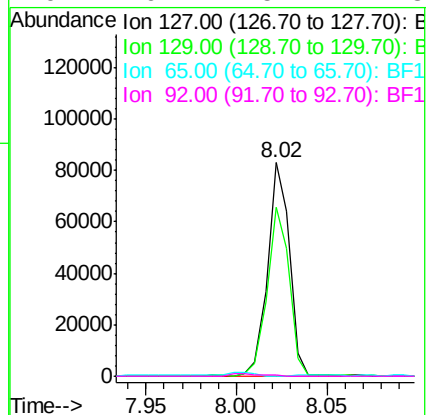
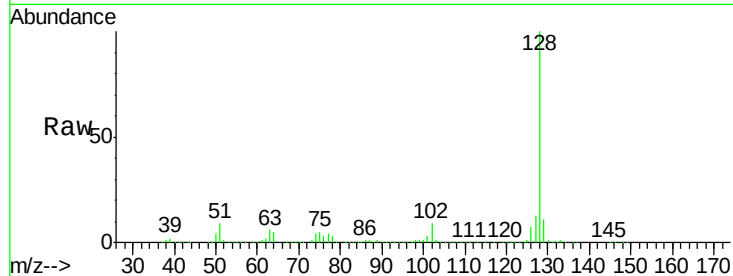




#33
4-Chloroaniline
Concen: 5.195 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.06 min
Lab File: BF102170.D
Acq: 18 Jan 2018 00:21

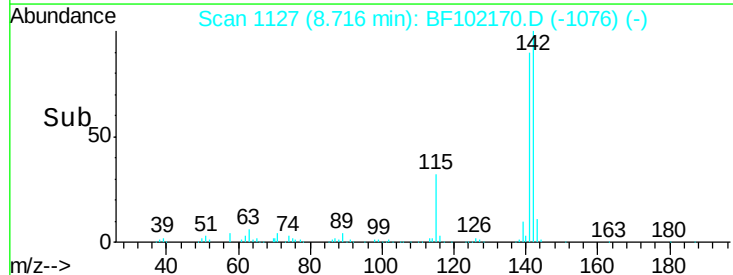
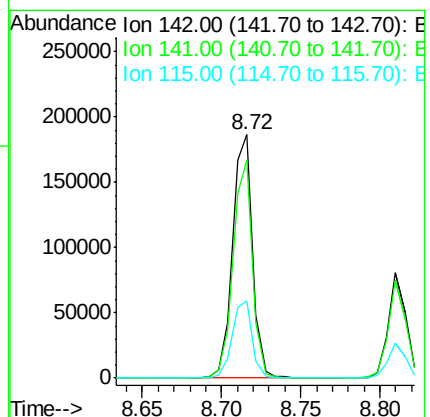
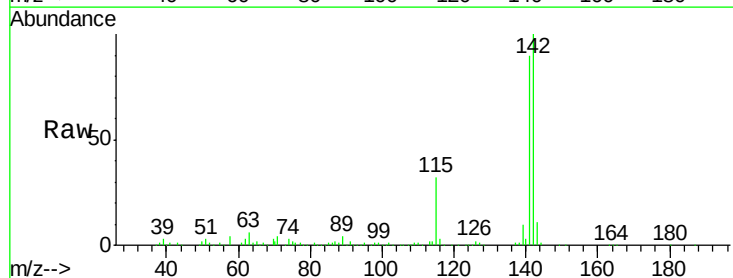
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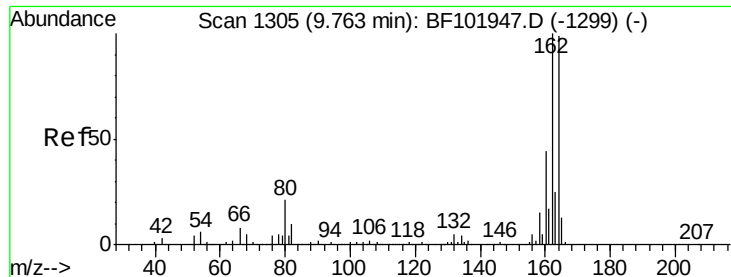
Tot Ion:127 Resp: 69718
Ion Ratio Lower Upper
127 100
129 78.9 25.9 38.9#
65 0.0 25.0 37.4#
92 0.4 15.2 22.8#



#37
2-Methylnaphthalene
Concen: 7.861 ng
RT: 8.72 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BF102170.D
Acq: 18 Jan 2018 00:21

Tgt Ion:142 Resp: 162733
Ion Ratio Lower Upper
142 100
141 89.7 70.8 106.2
115 31.8 26.1 39.1

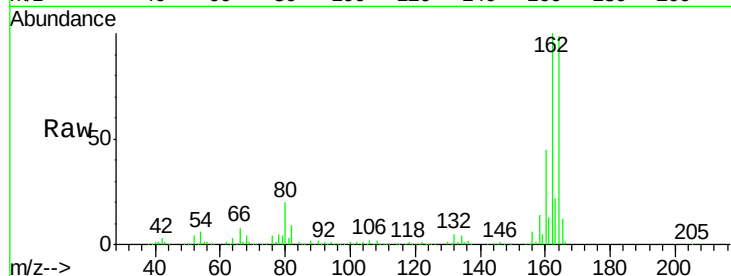




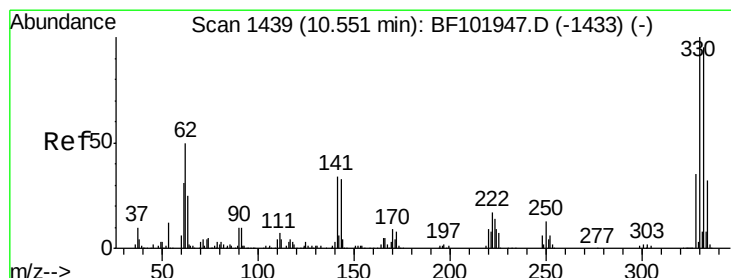
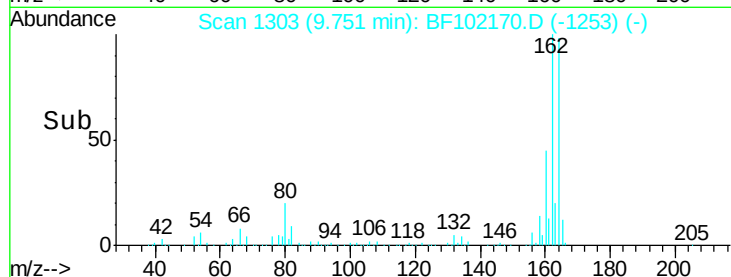
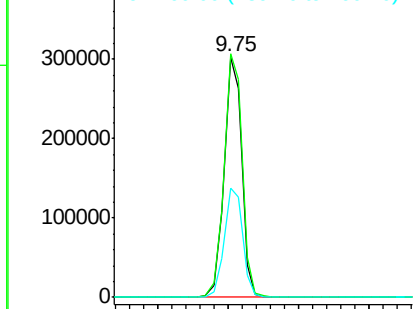
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF102170.D
 Acq: 18 Jan 2018 00:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.5	86.1	129.1
160	45.3	38.3	57.5

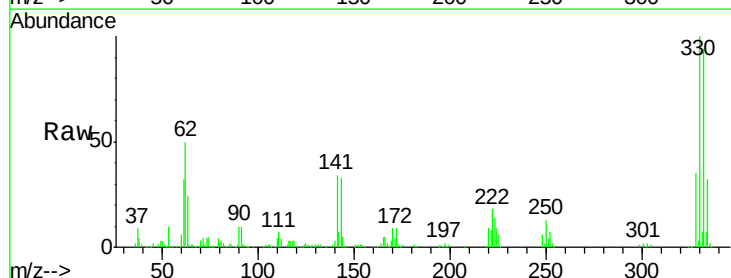


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

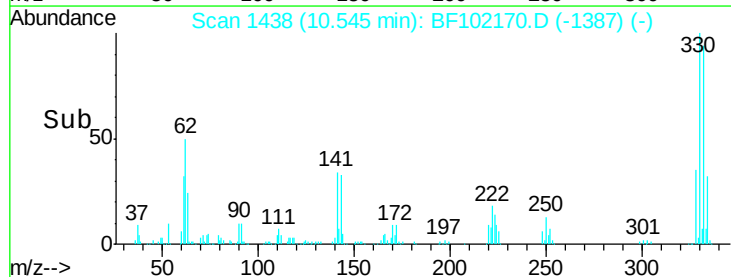
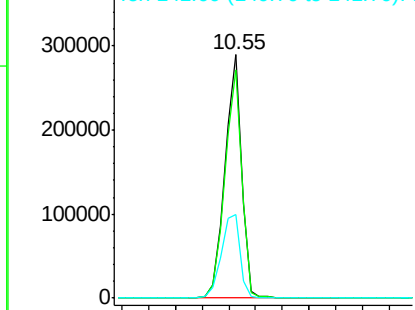


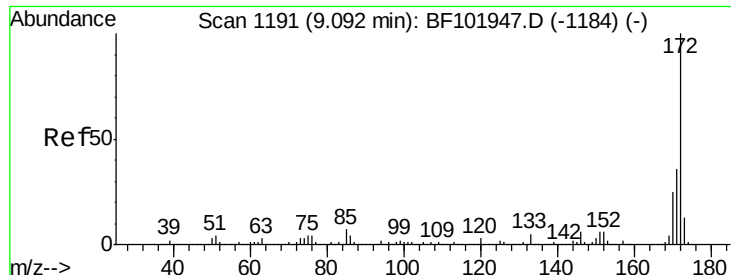
#41
 2,4,6-Tribromophenol
 Concen: 112.661 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BF102170.D
 Acq: 18 Jan 2018 00:21

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	38.8	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

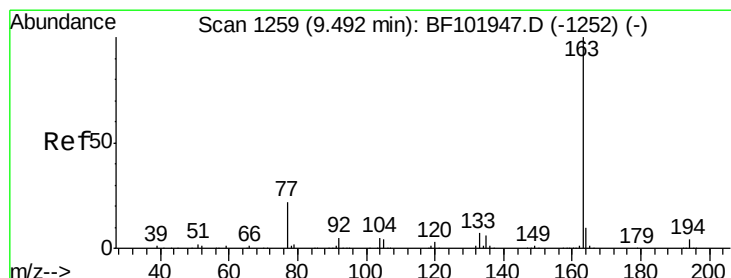
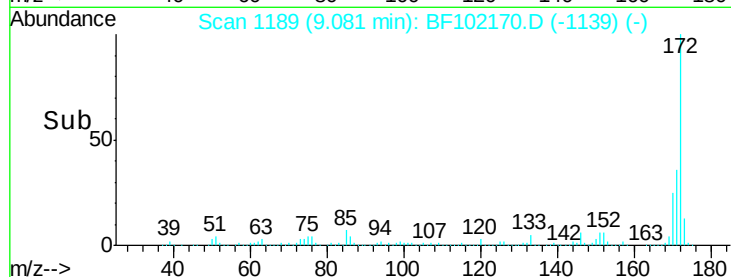
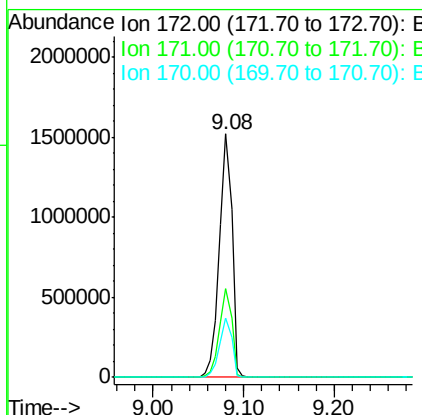
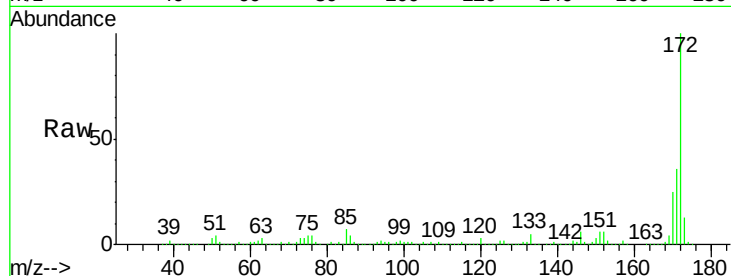




#44
2-Fluorobiphenyl
Concen: 86.805 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF102170.D
Acq: 18 Jan 2018 00:21

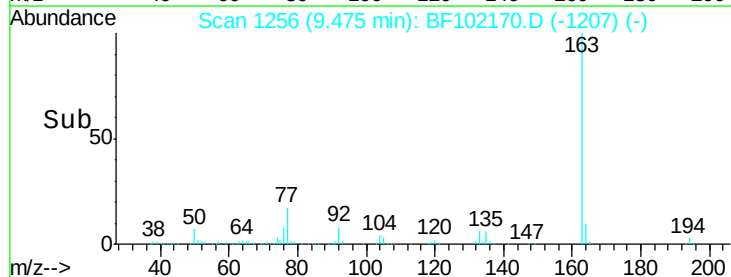
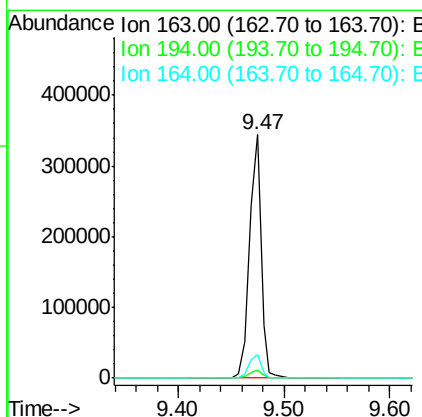
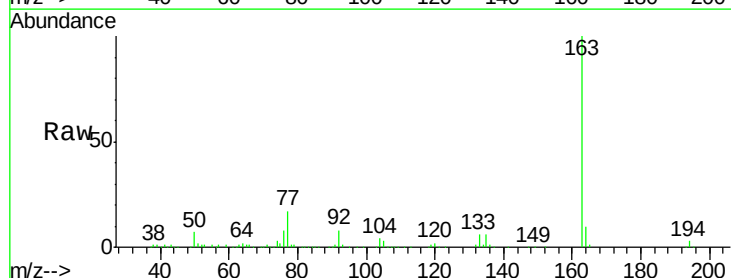
Instrument :
BNA_F
ClientSampleId :

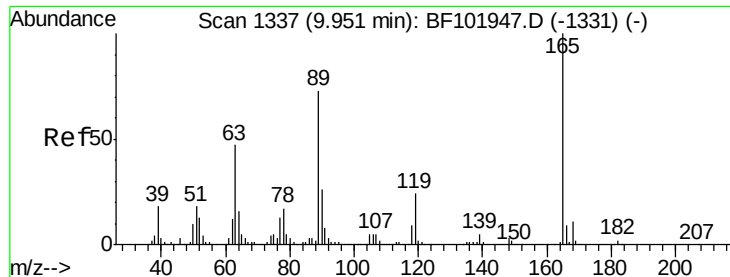
Tot Ion:172 Resp: 1451778
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 24.5 19.6 29.4



#49
Dimethylphthalate
Concen: 12.549 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF102170.D
Acq: 18 Jan 2018 00:21

Tgt Ion:163 Resp: 263020
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.7 8.2 12.2

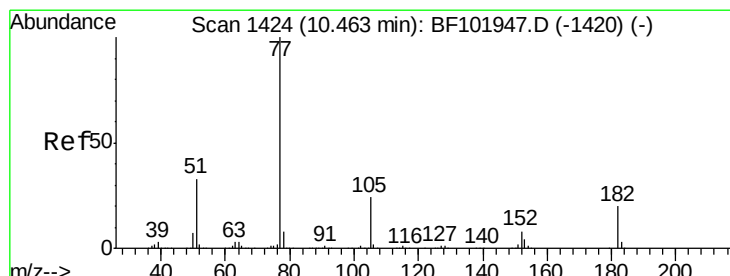
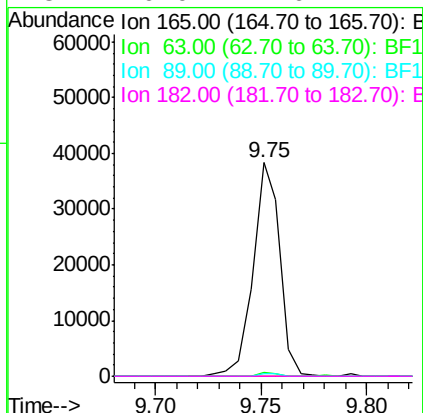
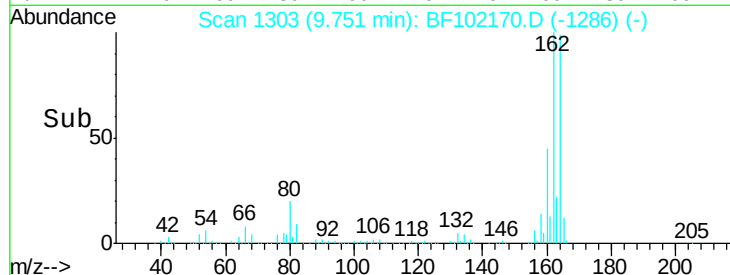
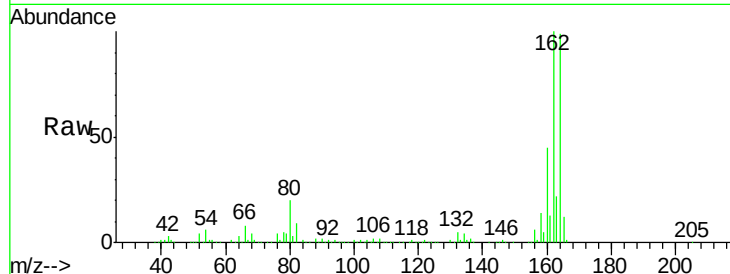




#56
 2,4-Dinitrotoluene
 Concen: 6.436 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.20 min
 Lab File: BF102170.D
 Acq: 18 Jan 2018 00:21

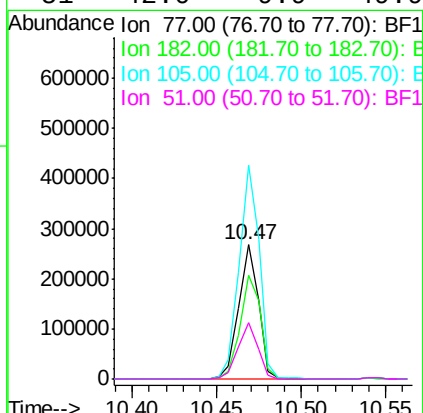
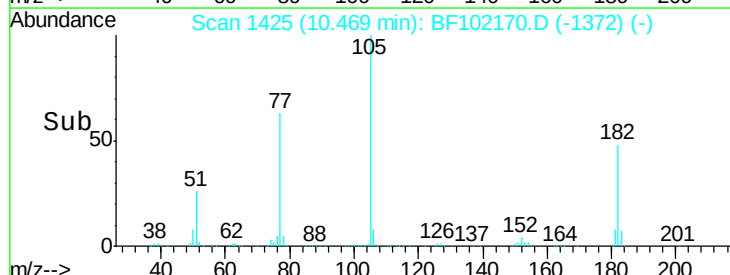
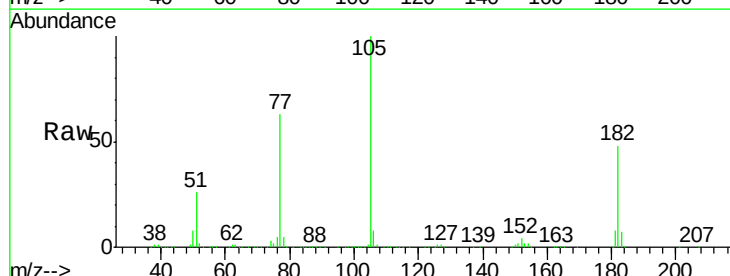
Instrument :
 BNA_F
 ClientSampleId :

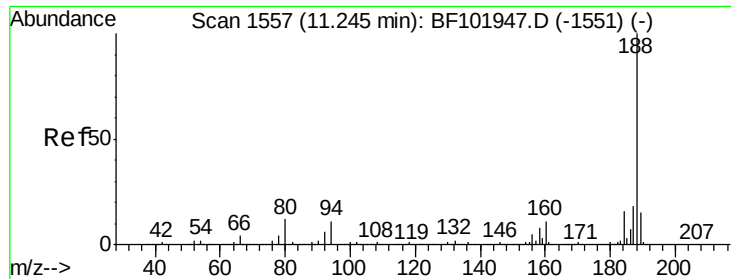
Tot Ion:	165	Resp:	33775
Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#



#62
 Azobenzene
 Concen: 10.525 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. 0.01 min
 Lab File: BF102170.D
 Acq: 18 Jan 2018 00:21

Tgt Ion:	77	Resp:	218336
Ion	Ratio	Lower	Upper
77	100		
182	77.1	1.7	41.7#
105	159.2	3.0	43.0#
51	42.0	9.9	49.9

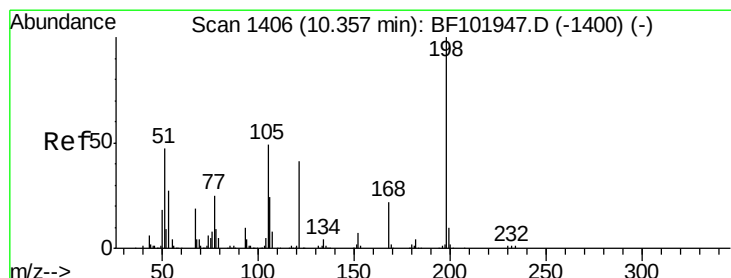
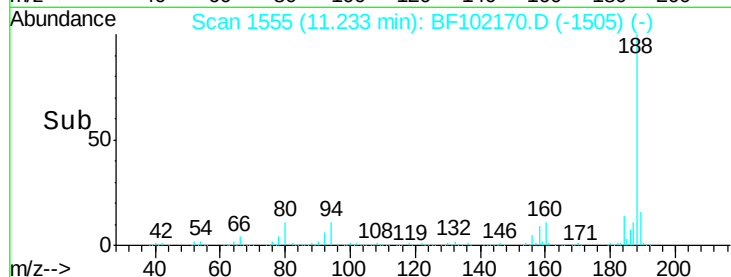
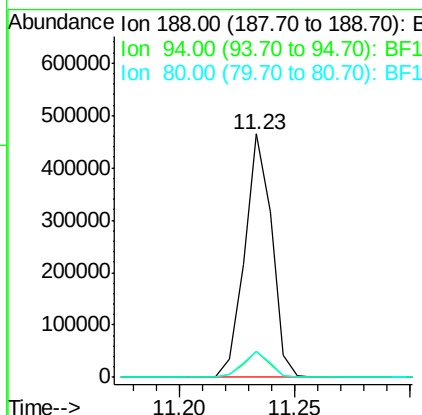
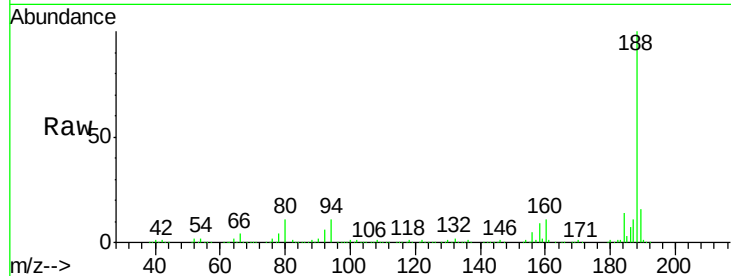




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF102170.D
 Acq: 18 Jan 2018 00:21

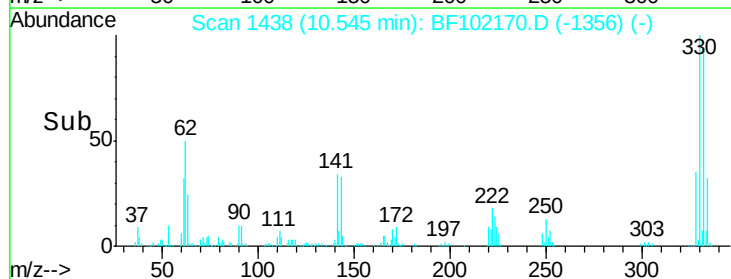
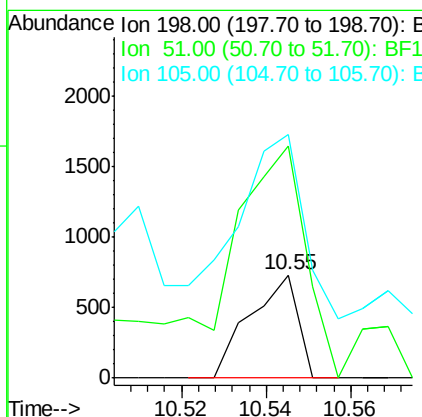
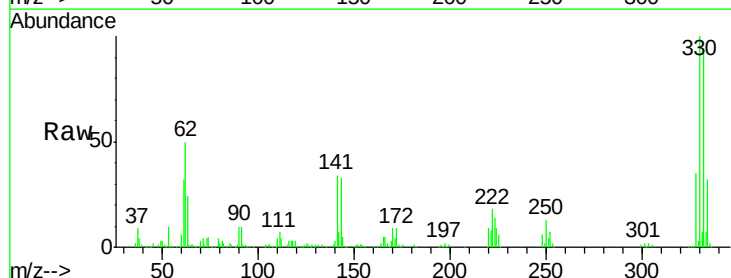
Instrument :
 BNA_F
 ClientSampleId :

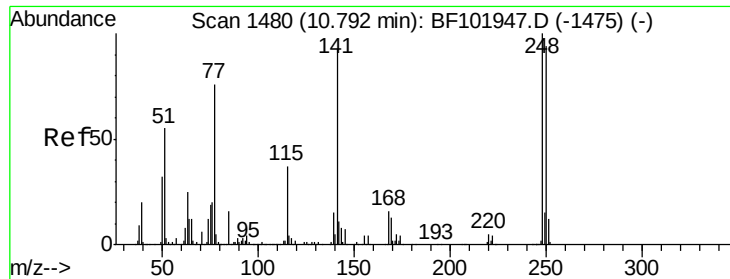
Tot Ion:188 Resp: 381321
 Ion Ratio Lower Upper
 188 100
 94 10.7 8.5 12.7
 80 10.5 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.908 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.18 min
 Lab File: BF102170.D
 Acq: 18 Jan 2018 00:21

Tgt Ion:198 Resp: 578
 Ion Ratio Lower Upper
 198 100
 51 225.5 37.7 77.7#
 105 236.4 36.3 76.3#

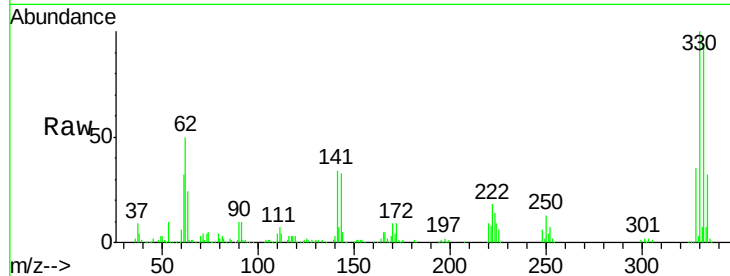




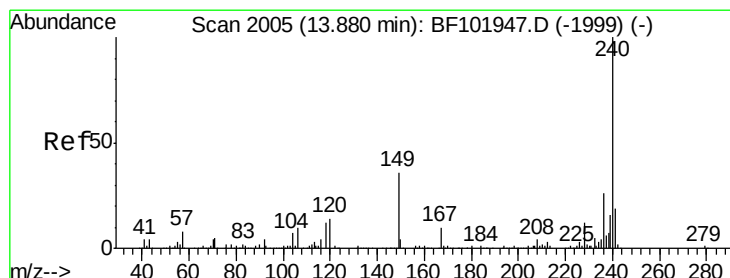
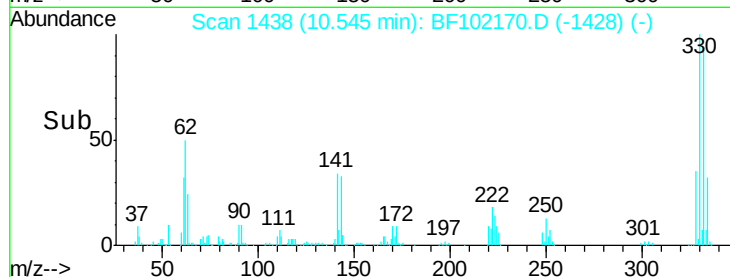
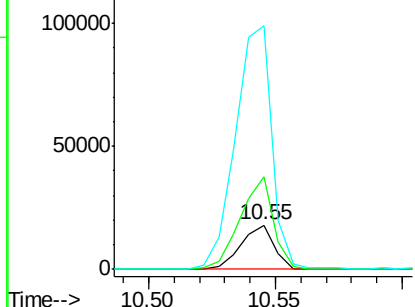
#66
 4-Bromophenyl-phenylether
 Concen: 4.093 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.24 min
 Lab File: BF102170.D
 Acq: 18 Jan 2018 00:21

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 16484
 Ion Ratio Lower Upper
 248 100
 250 210.7 76.9 115.3#
 141 554.1 74.4 111.6#

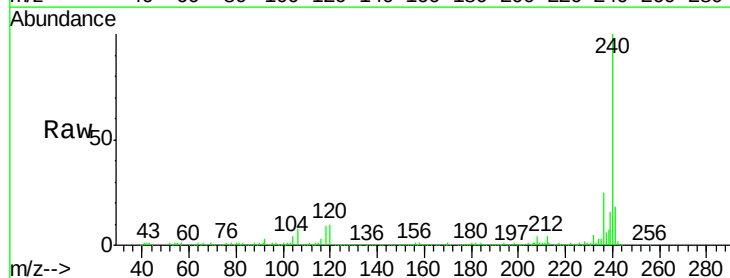


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

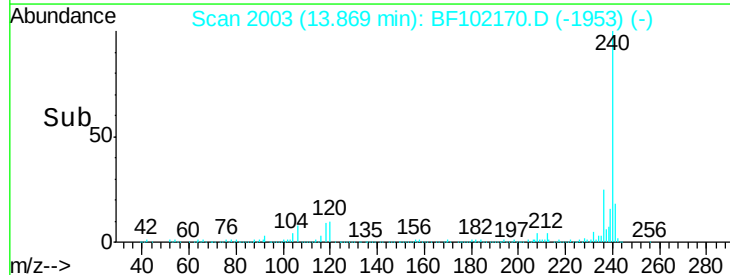
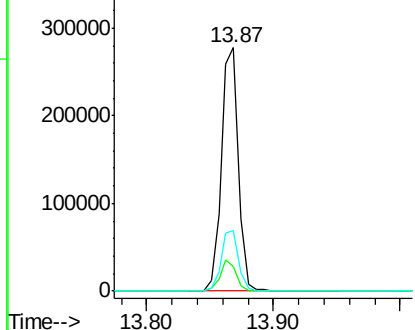


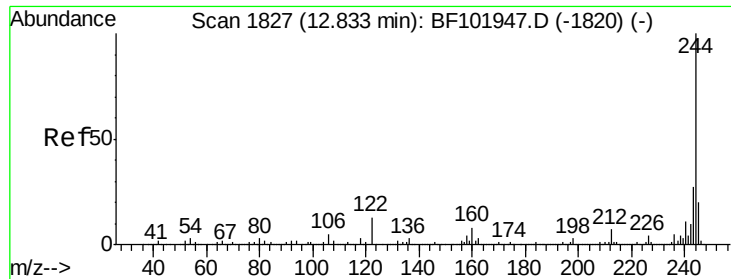
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. -0.01 min
 Lab File: BF102170.D
 Acq: 18 Jan 2018 00:21

Tgt Ion:240 Resp: 259898
 Ion Ratio Lower Upper
 240 100
 120 10.4 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

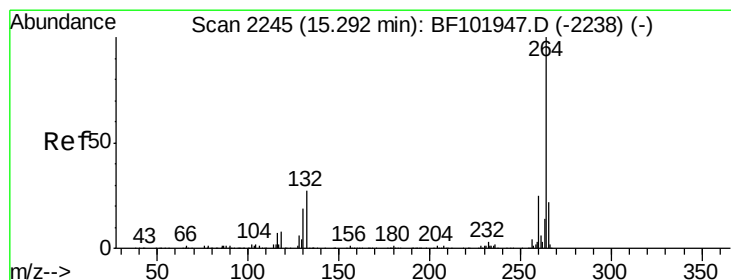
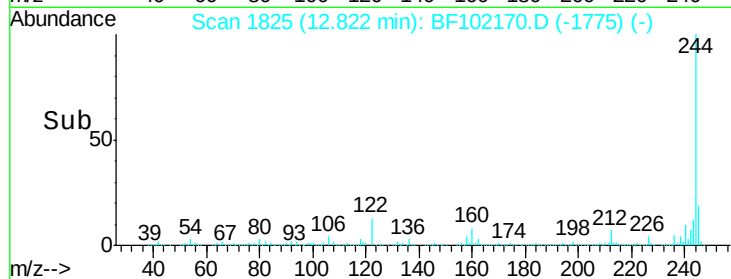
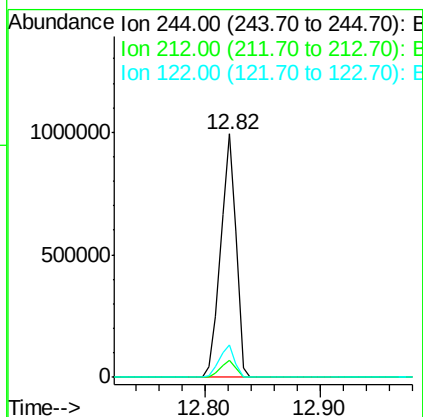
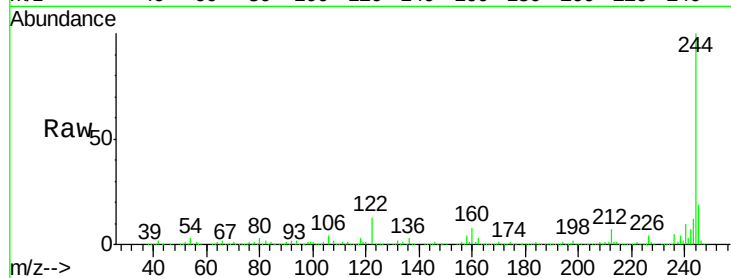




#78
 Terphenyl-d14
 Concen: 73.444 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF102170.D
 Acq: 18 Jan 2018 00:21

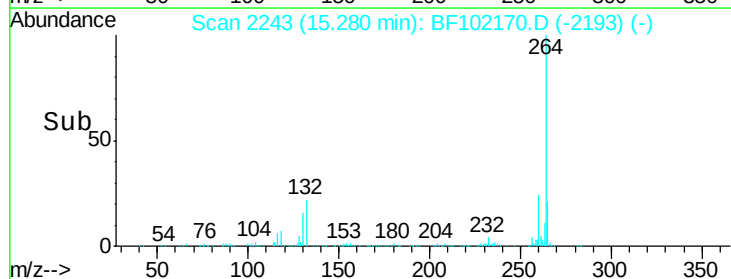
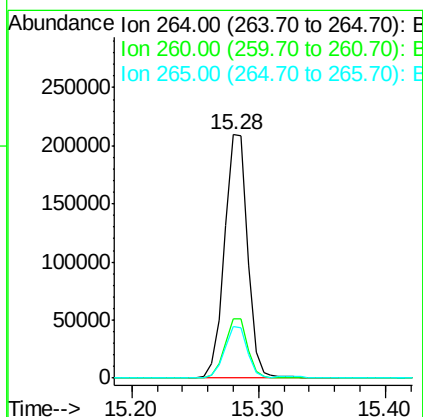
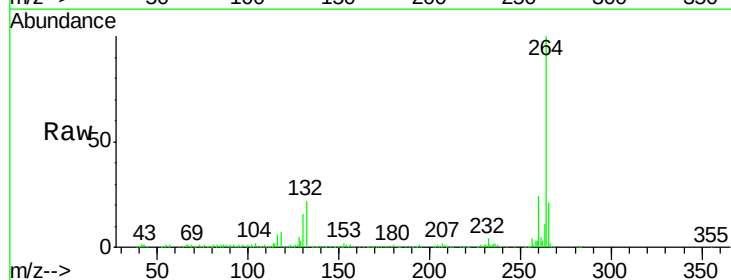
Instrument :
 BNA_F
 ClientSampled :

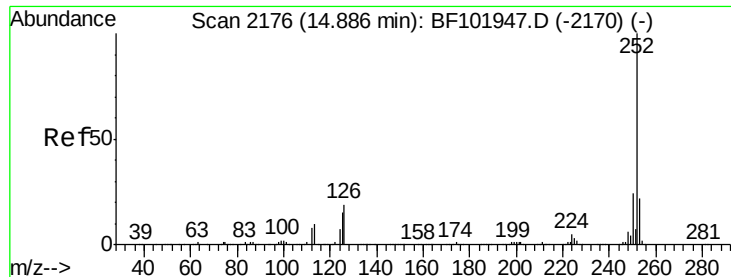
Tot Ion:244 Resp: 919344
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 13.5 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.28 min Scan# 2243
 Delta R.T. -0.01 min
 Lab File: BF102170.D
 Acq: 18 Jan 2018 00:21

Tgt Ion:264 Resp: 263158
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 21.4 17.5 26.3

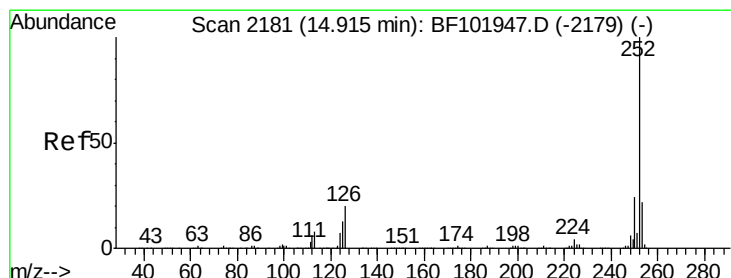
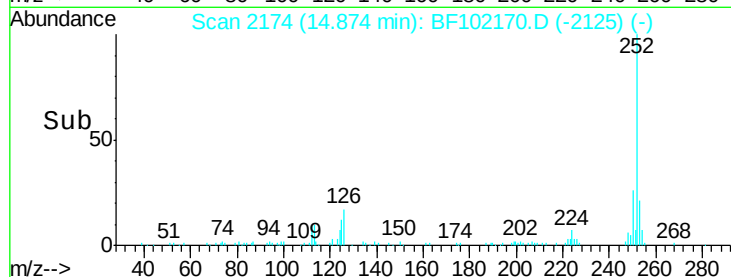
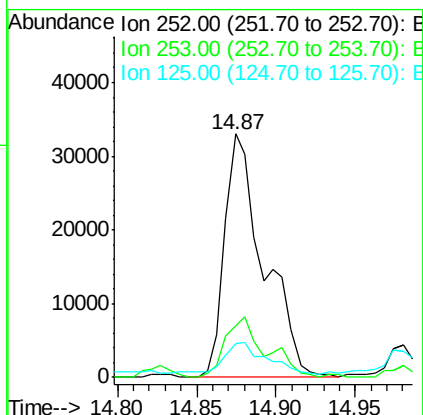
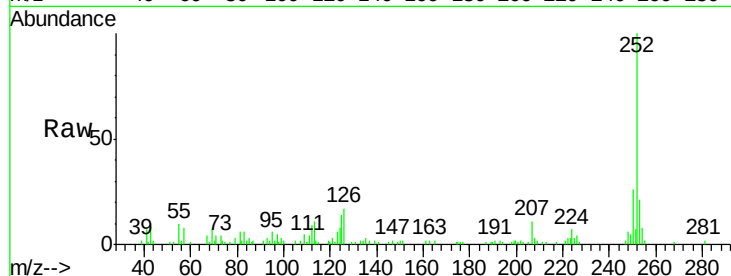




#87
Benzo(b)fluoranthene
Concen: 3.328 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BF102170.D
Acq: 18 Jan 2018 00:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 57107
Ion Ratio Lower Upper
252 100
253 21.2 17.0 25.6
125 13.7 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 3.450 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.04 min
Lab File: BF102170.D
Acq: 18 Jan 2018 00:21

Tgt Ion:252 Resp: 57107
Ion Ratio Lower Upper
252 100
253 21.2 17.9 26.9
125 13.7 10.2 15.2

