

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
 Data File : BF104084.D
 Acq On : 30 Mar 2018 7:02
 Operator : JU/SJ
 Sample : J2113-01
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 30 07:33:15 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

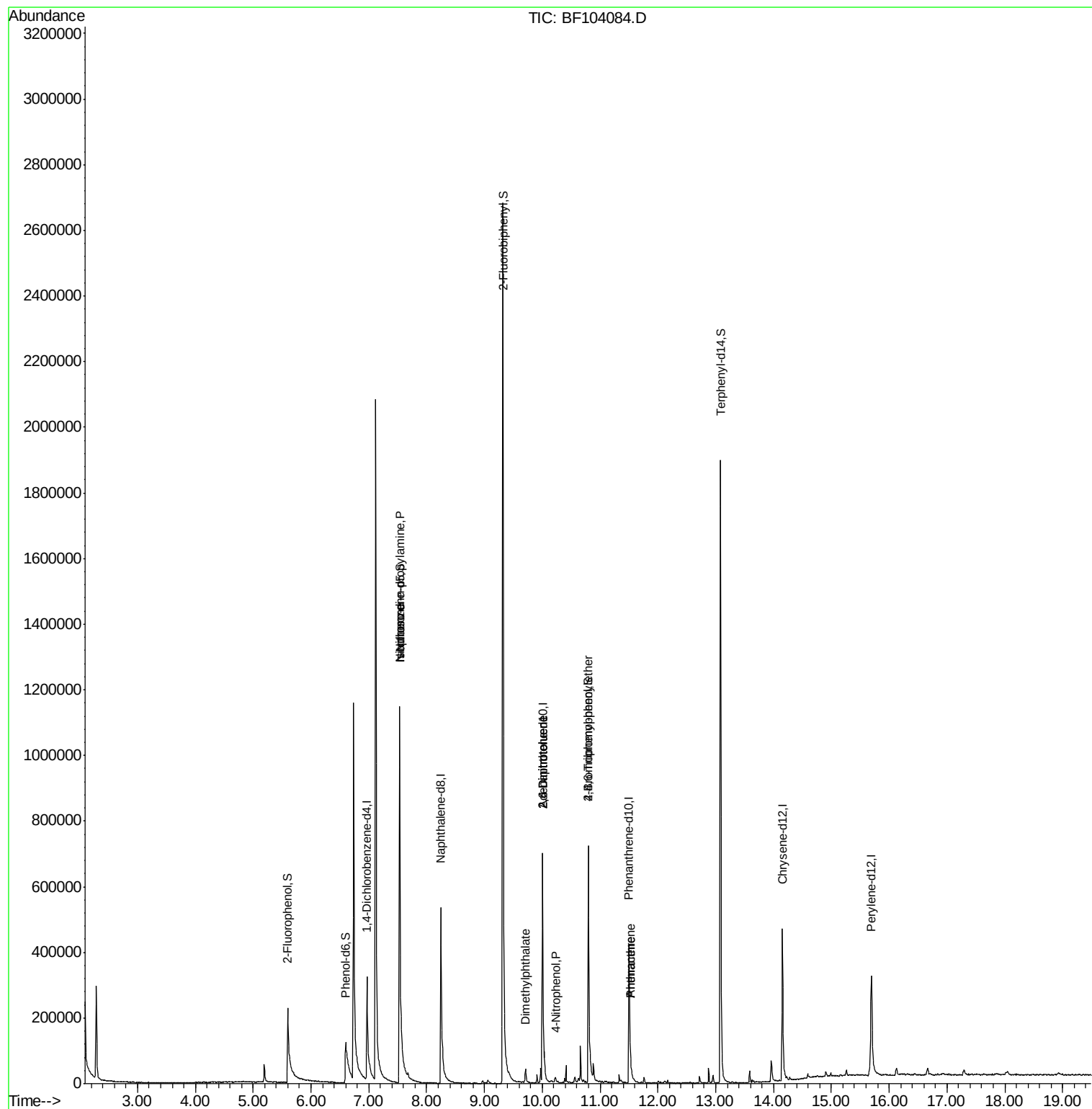
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	105568	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	435429	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	174832	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	250634	20.00	ng	0.00
75) Chrysene-d12	14.16	240	238838	20.00	ng	0.00
86) Perylene-d12	15.69	264	218915	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	224950	33.98	ng	0.00
7) Phenol-d6	6.60	99	174222	21.39	ng	0.00
23) Nitrobenzene-d5	7.53	82	676136	94.96	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	141939	72.91	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	1236958	111.57	ng	0.00
78) Terphenyl-d14	13.09	244	810946	78.40	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	81731	16.910	ng	# 73
25) Isophorone	7.53	82	676136	51.529	ng	# 64
49) Dimethylphthalate	9.71	163	28491	2.064	ng	# 98
50) 2,6-Dinitrotoluene	10.00	165	21592	7.271	ng	# 26
55) 4-Nitrophenol	10.22	139	5010	2.448	ng	# 9
56) 2,4-Dinitrotoluene	10.00	165	22125	5.839	ng	# 24
66) 4-Bromophenyl-phenylether	10.80	248	8387	3.128	ng	# 1
70) Phenanthrene	11.53	178	33804	2.491	ng	# 99
71) Anthracene	11.53	178	33804	2.385	ng	# 99

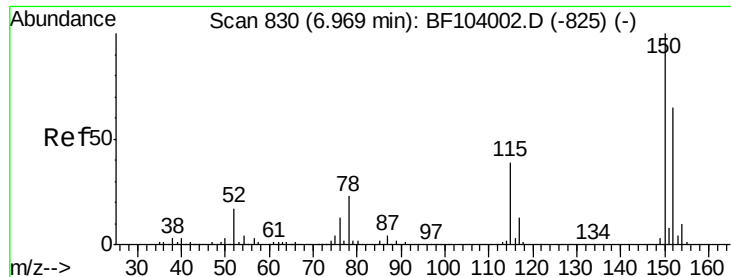
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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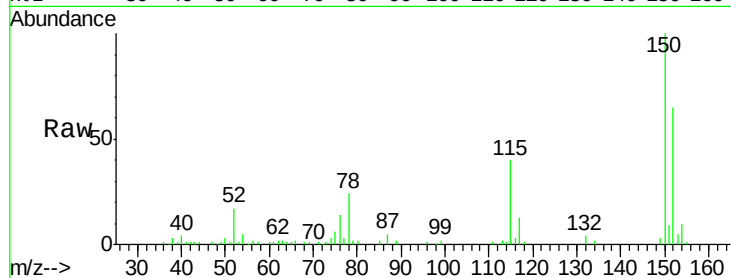


#1

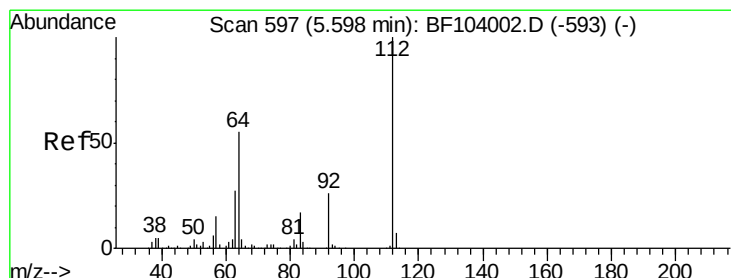
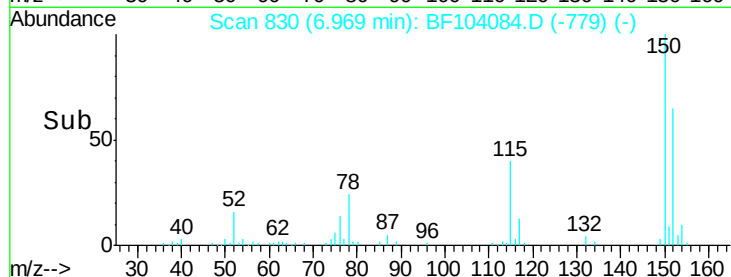
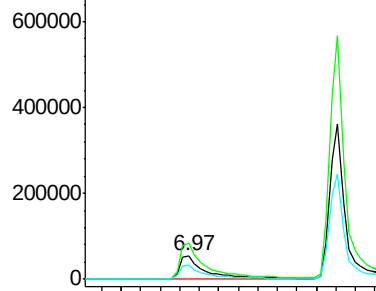
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.00 min
 Lab File: BF104084.D
 Acq: 30 Mar 2018 7:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 105568
 Ion Ratio Lower Upper
 152 100
 150 154.1 124.6 186.8
 115 60.9 50.1 75.1



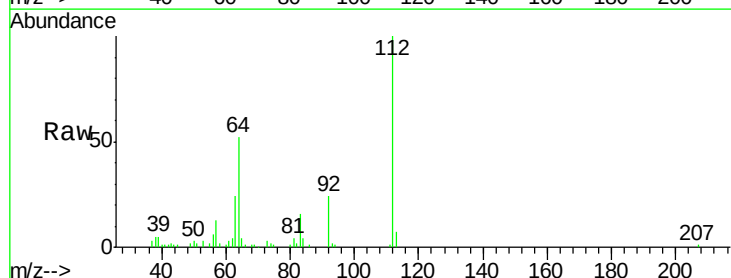
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



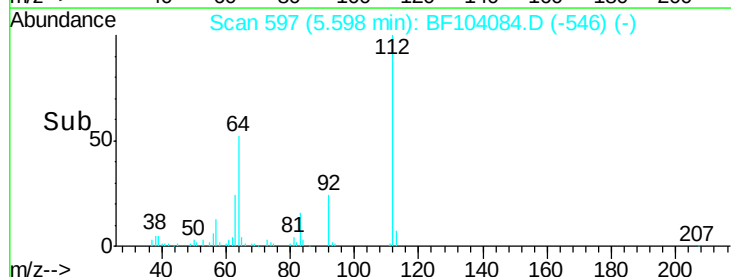
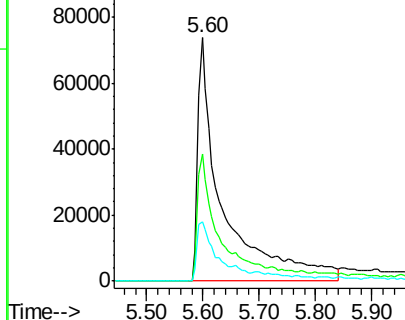
#5

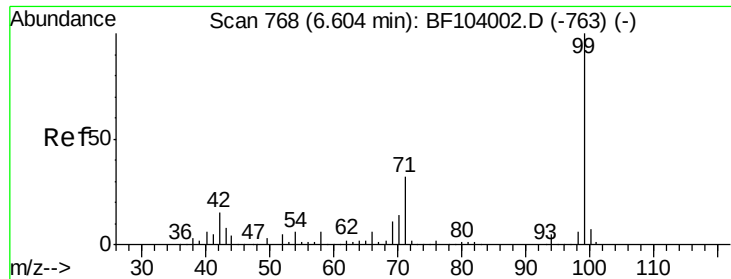
2-Fluorophenol
 Concen: 33.982 ng
 RT: 5.60 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: BF104084.D
 Acq: 30 Mar 2018 7:02

Tgt Ion:112 Resp: 224950
 Ion Ratio Lower Upper
 112 100
 64 52.4 47.9 71.9
 63 24.3 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: 21.392 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF104084.D

Acq: 30 Mar 2018 7:02

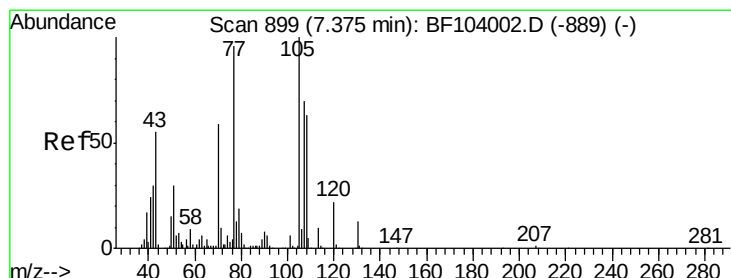
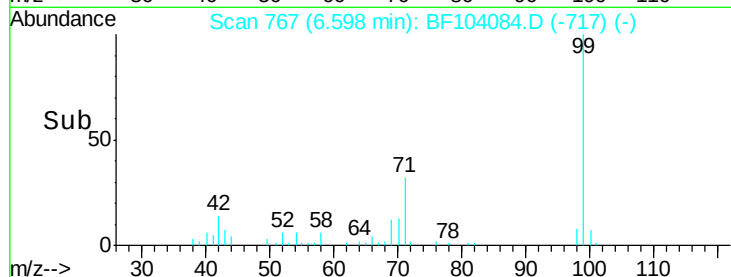
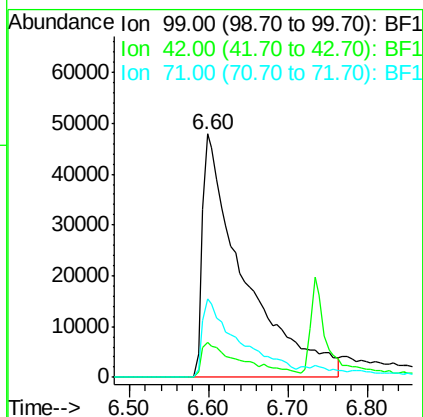
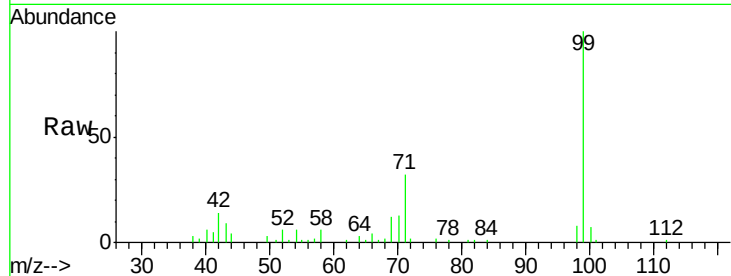
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 174222

Ion	Ratio	Lower	Upper
99	100		
42	14.3	14.5	21.7#
71	32.5	25.4	38.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.910 ng

RT: 7.53 min Scan# 926

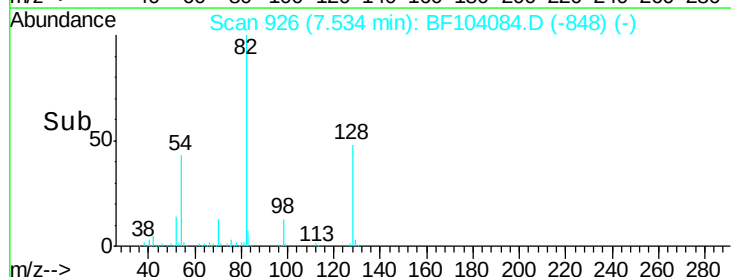
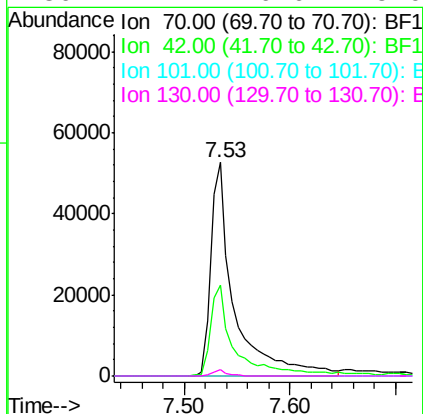
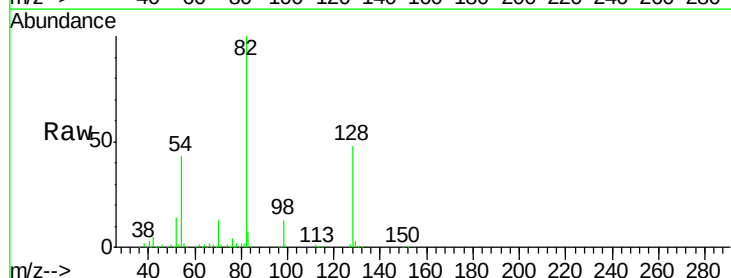
Delta R.T. 0.16 min

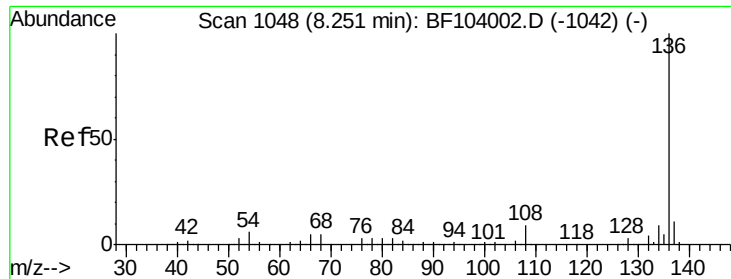
Lab File: BF104084.D

Acq: 30 Mar 2018 7:02

Tgt Ion: 70 Resp: 81731

Ion	Ratio	Lower	Upper
70	100		
42	42.3	47.5	71.3#
101	0.0	7.4	11.2#
130	2.7	16.6	25.0#

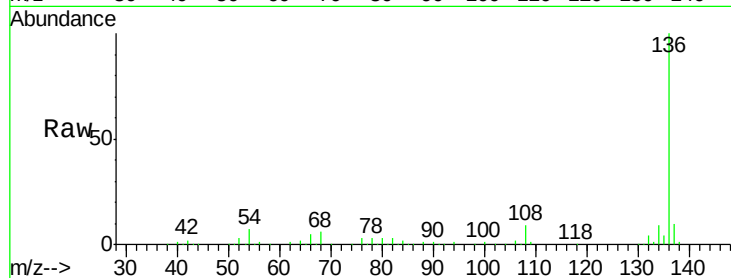




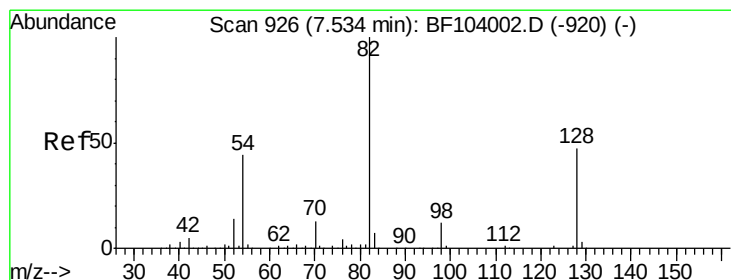
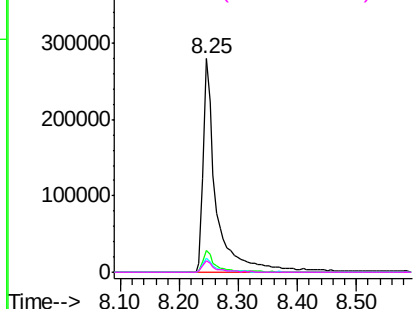
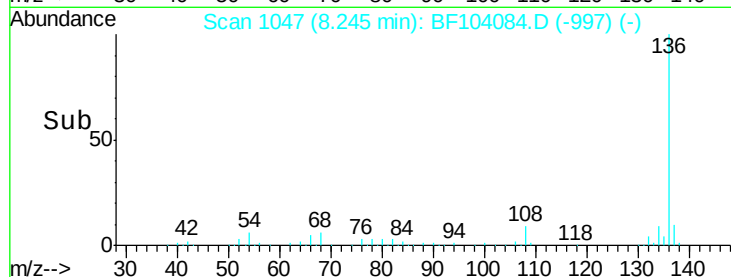
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF104084.D
Acq: 30 Mar 2018 7:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	435429	
Ion Ratio	Lower	Upper	
136 100			
137 10.5	8.9	13.3	
54 6.7	6.6	9.8	
68 5.6	5.0	7.4	

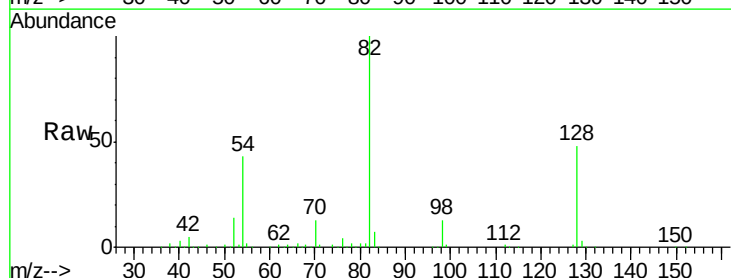


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

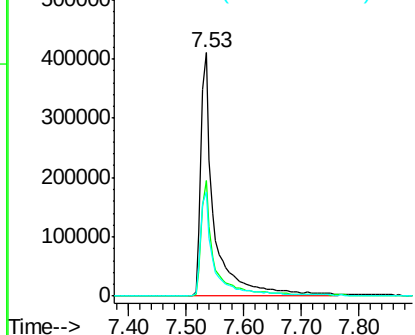
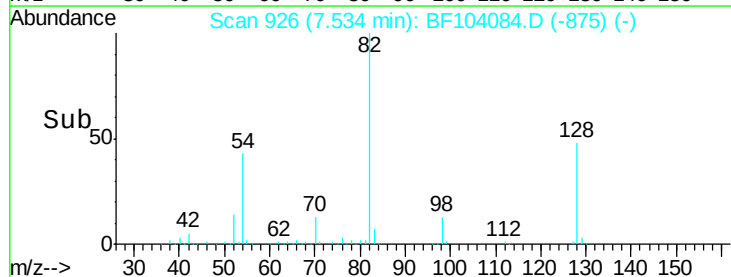


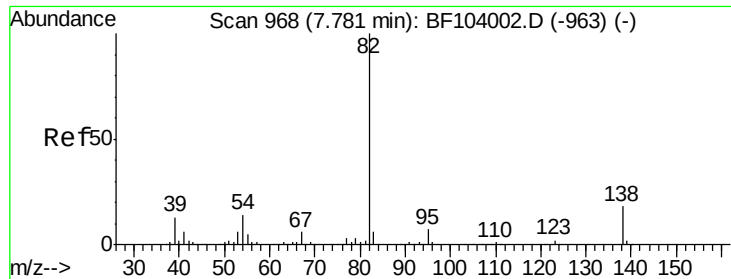
#23
Nitrobenzene-d5
Concen: 94.963 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.00 min
Lab File: BF104084.D
Acq: 30 Mar 2018 7:02

Tgt Ion: 82	Resp: 676136
Ion Ratio	Lower Upper
82 100	
128 47.6	36.1 54.1
54 42.7	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: 51.529 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.25 min

Lab File: BF104084.D

Acq: 30 Mar 2018 7:02

Instrument :

BNA_F

ClientSampled :

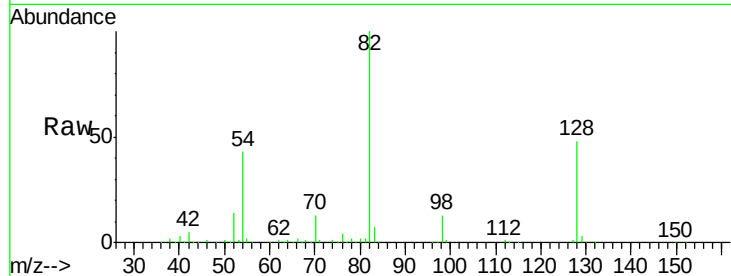
Tot Ion: 82 Resp: 676136

Ion Ratio Lower Upper

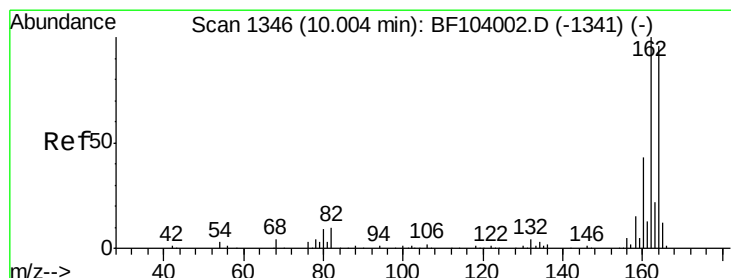
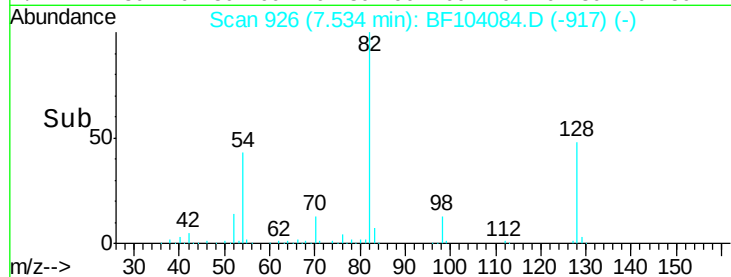
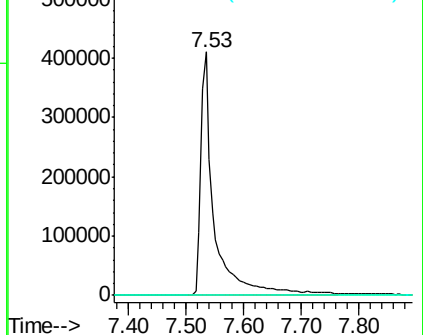
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1346

Delta R.T. -0.00 min

Lab File: BF104084.D

Acq: 30 Mar 2018 7:02

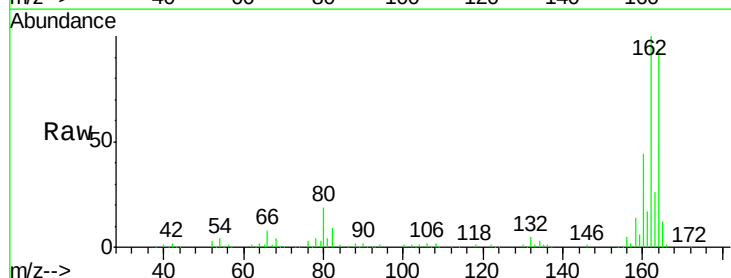
Tgt Ion:164 Resp: 174832

Ion Ratio Lower Upper

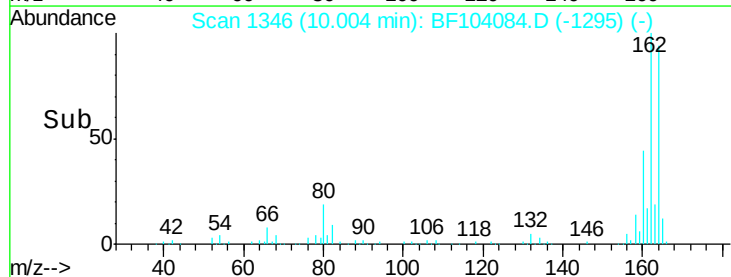
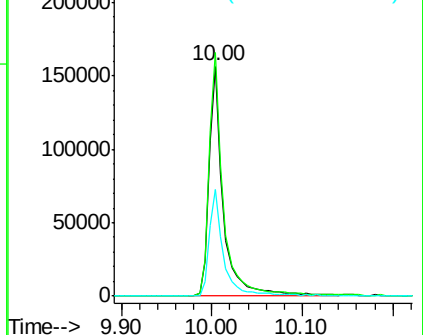
164 100

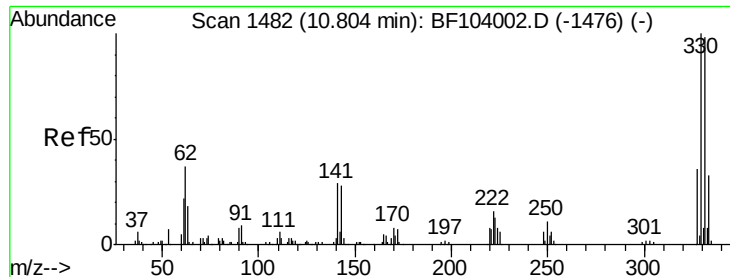
162 105.9 86.1 129.1

160 46.2 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

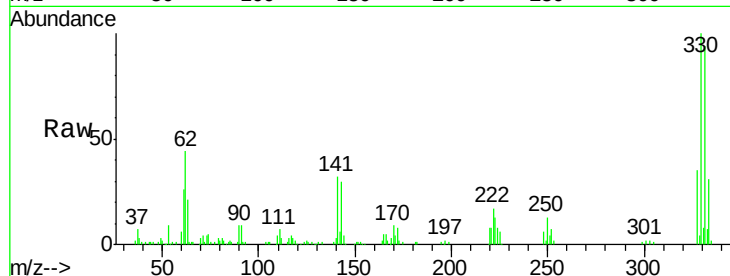




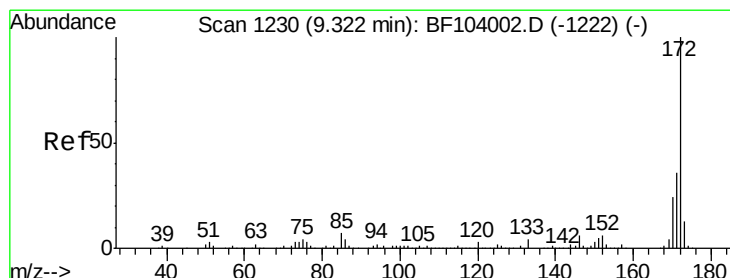
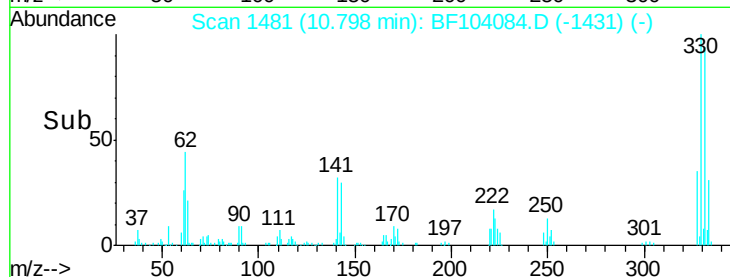
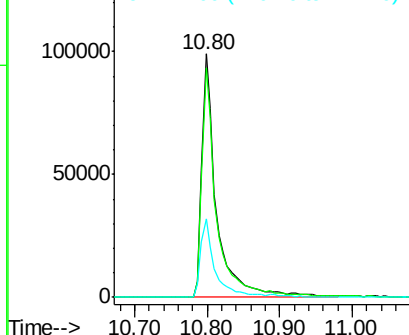
#41
 2,4,6-Tribromophenol
 Concen: 72.910 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104084.D
 Acq: 30 Mar 2018 7:02

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	30.7	29.9	44.9

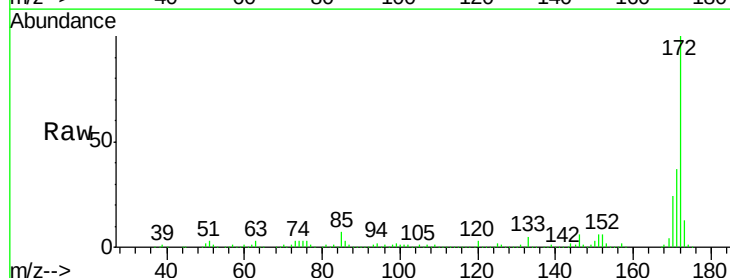


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

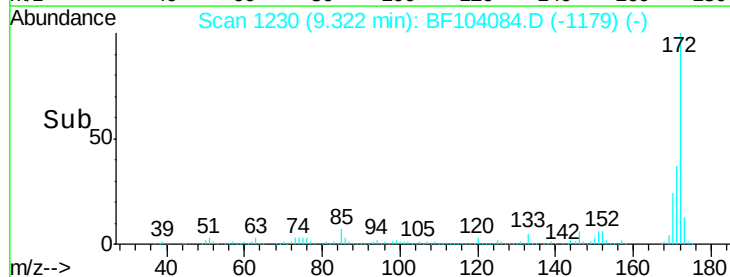
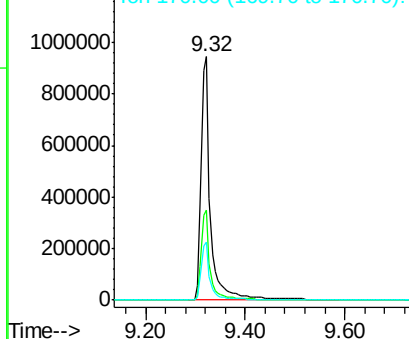


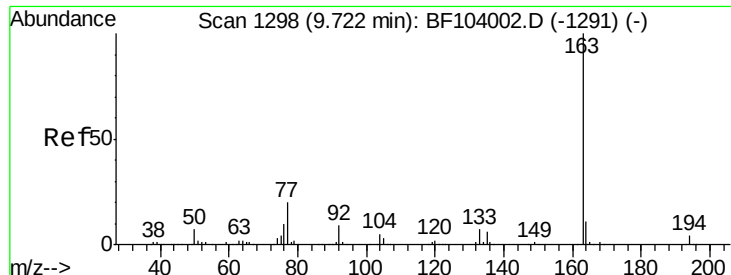
#44
 2-Fluorobiphenyl
 Concen: 111.569 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: BF104084.D
 Acq: 30 Mar 2018 7:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	23.8	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

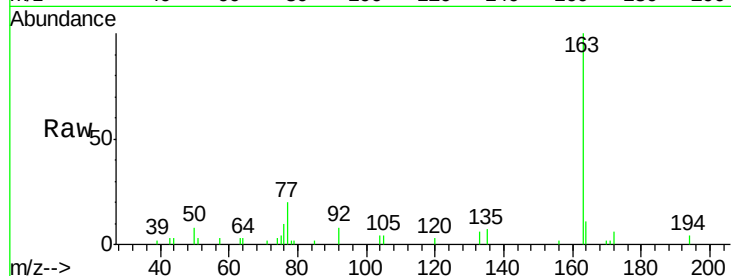




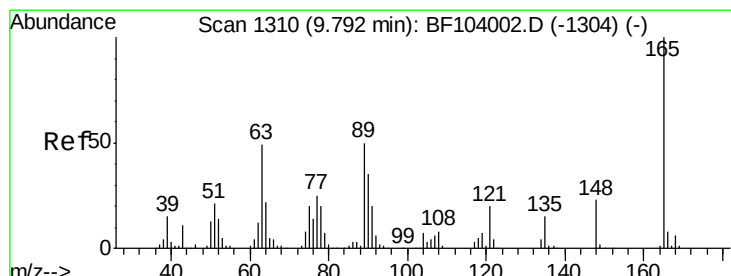
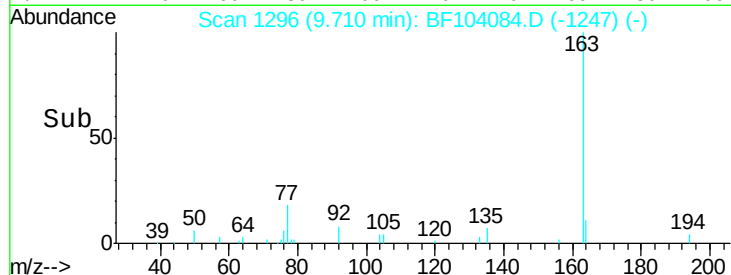
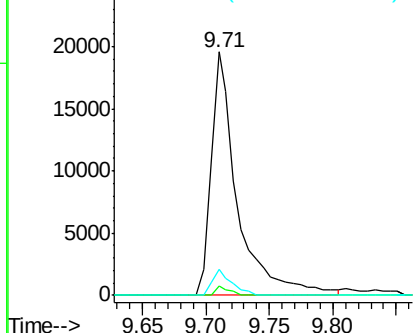
#49
Dimethylphthalate
Concen: 2.064 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF104084.D
Acq: 30 Mar 2018 7:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 28491
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 10.8 8.2 12.2

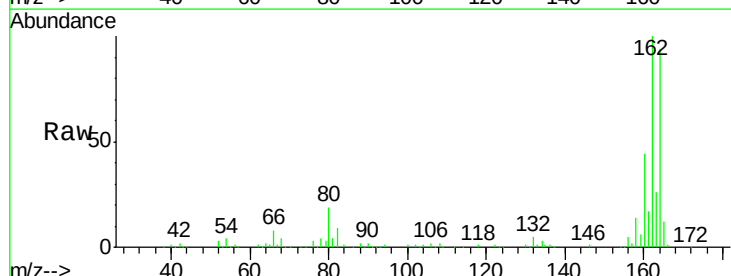


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

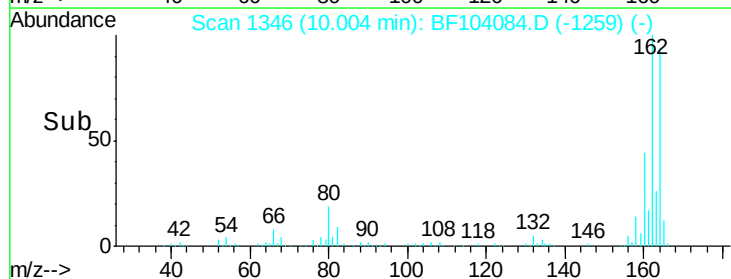
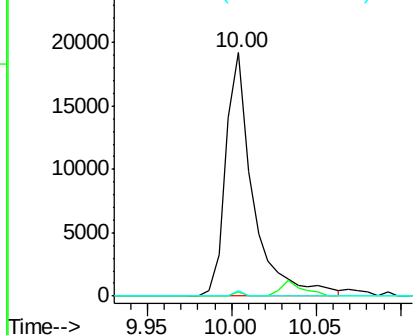


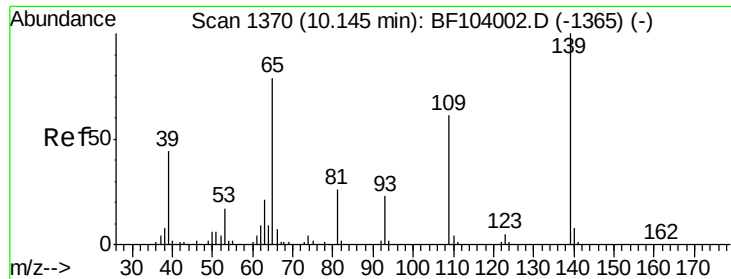
#50
2,6-Dinitrotoluene
Concen: 7.271 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.21 min
Lab File: BF104084.D
Acq: 30 Mar 2018 7:02

Tgt Ion:165 Resp: 21592
Ion Ratio Lower Upper
165 100
63 2.0 44.7 67.1#
89 2.1 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

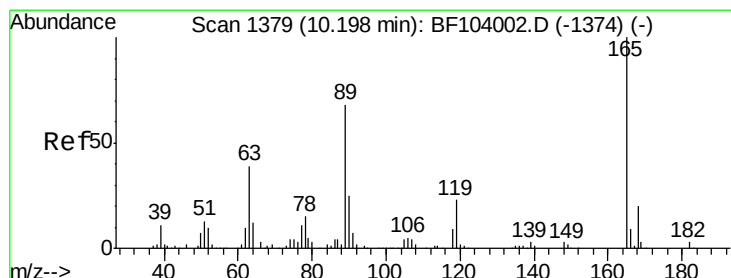
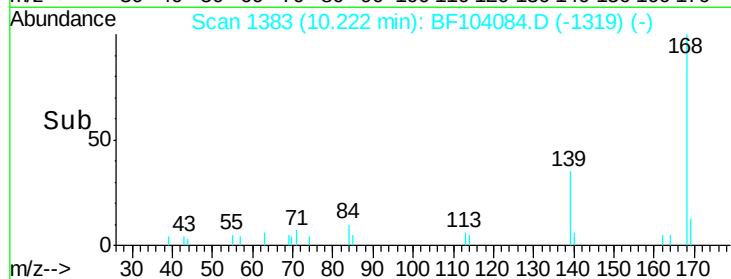
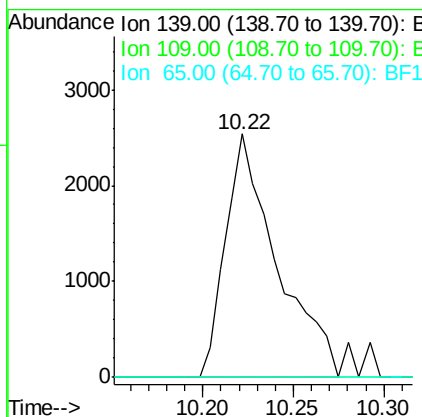
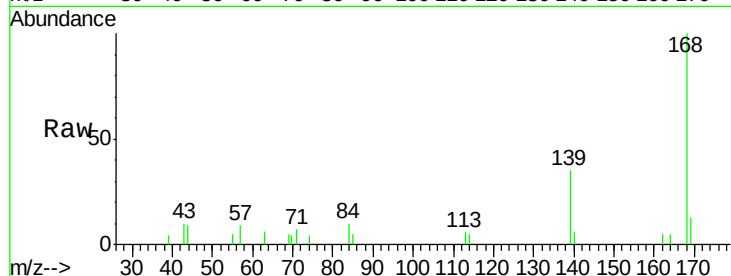




#55
4-Nitrophenol
Concen: 2.448 ng
RT: 10.22 min Scan# 1383
Delta R.T. 0.08 min
Lab File: BF104084.D
Acq: 30 Mar 2018 7:02

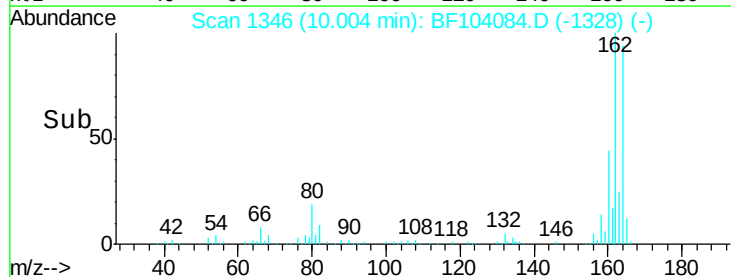
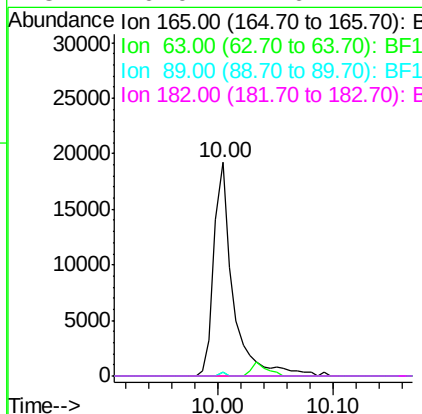
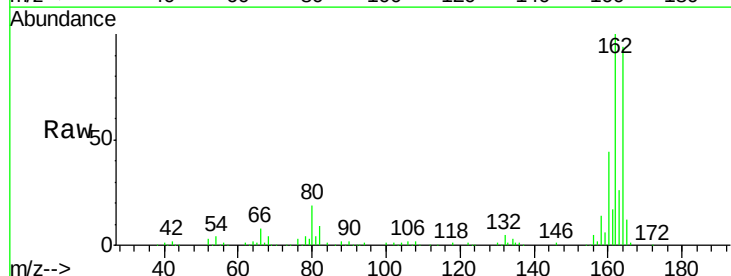
Instrument :
BNA_F
ClientSampleId :

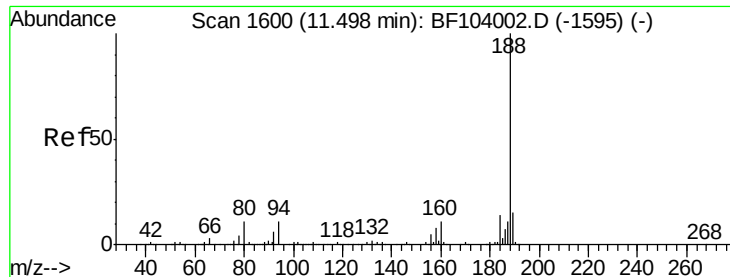
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#



#56
2,4-Dinitrotoluene
Concen: 5.839 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.19 min
Lab File: BF104084.D
Acq: 30 Mar 2018 7:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	36.4	54.6#
89	2.1	57.8	86.6#
182	0.0	1.6	2.4#

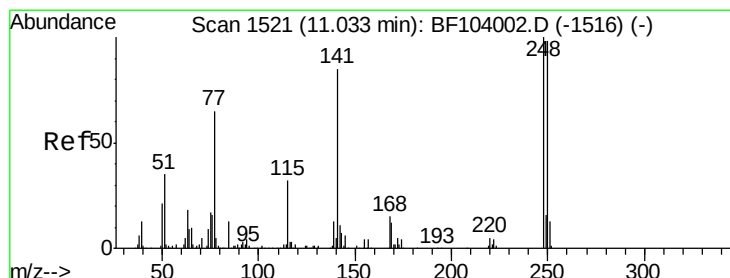
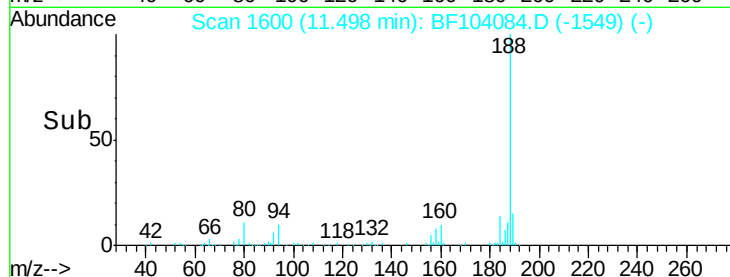
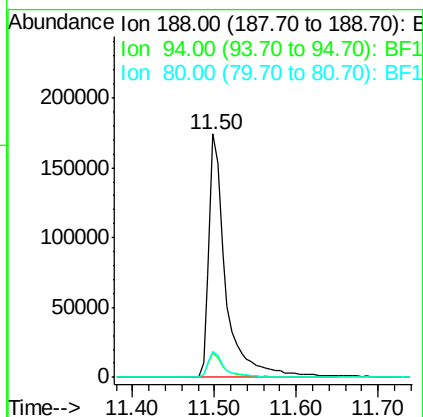
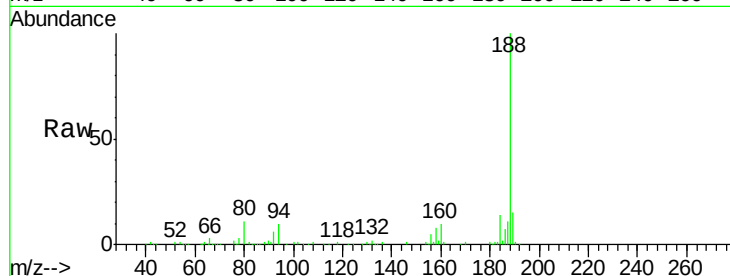




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF104084.D
Acq: 30 Mar 2018 7:02

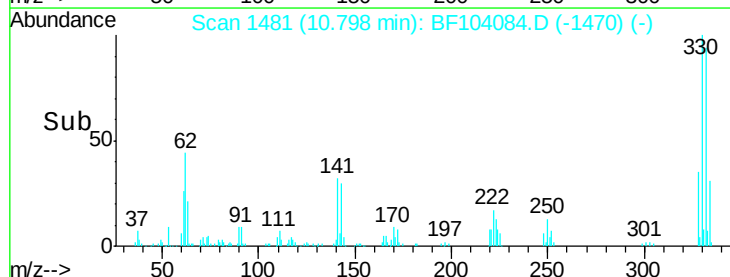
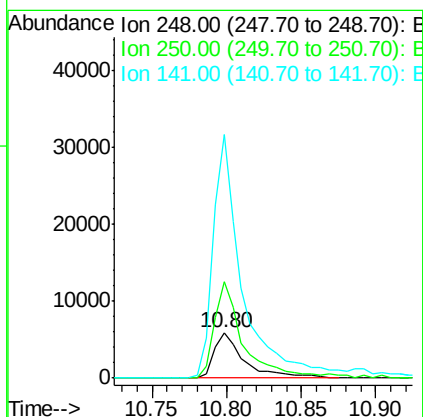
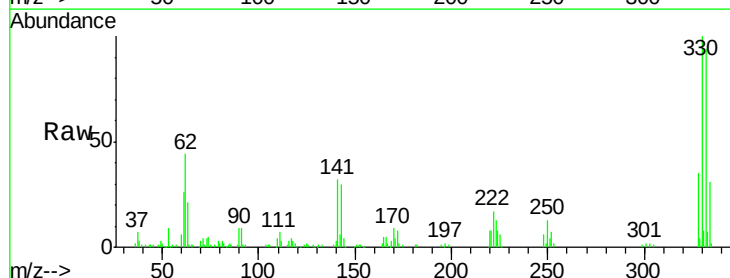
Instrument :
BNA_F
ClientSampleId :

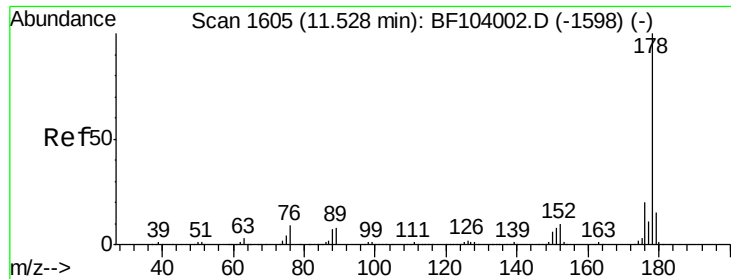
Tot Ion:188 Resp: 250634
Ion Ratio Lower Upper
188 100
94 10.2 8.5 12.7
80 10.8 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.128 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.24 min
Lab File: BF104084.D
Acq: 30 Mar 2018 7:02

Tgt Ion:248 Resp: 8387
Ion Ratio Lower Upper
248 100
250 213.6 76.9 115.3#
141 536.6 74.4 111.6#

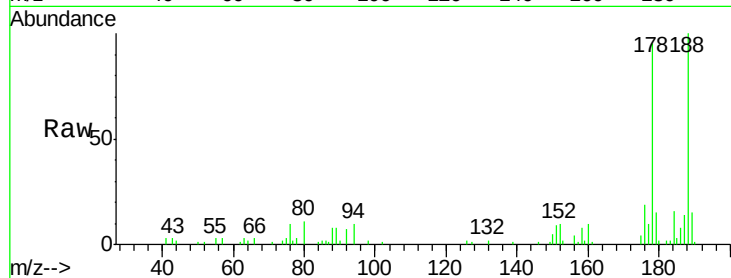




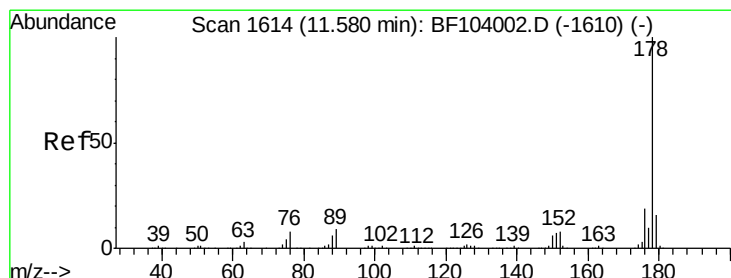
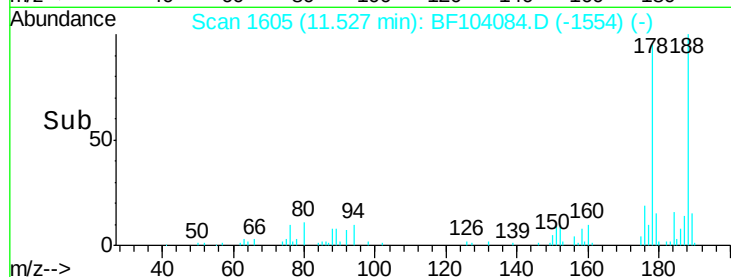
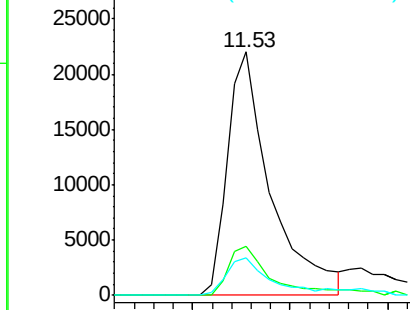
#70
Phenanthrene
Concen: 2.491 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF104084.D
Acq: 30 Mar 2018 7:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 33804
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.8
179 15.7 13.0 19.6

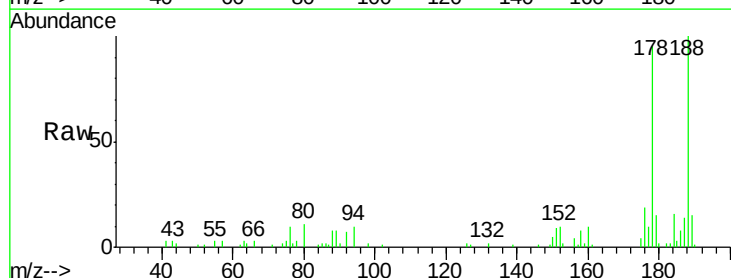


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

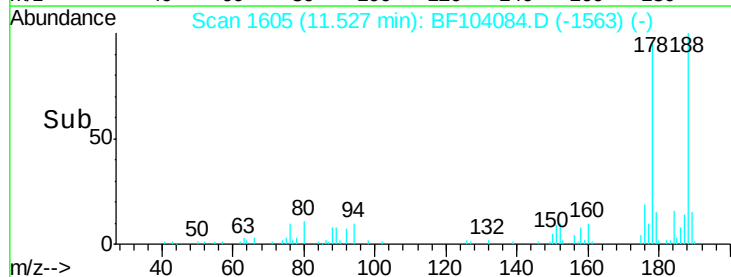
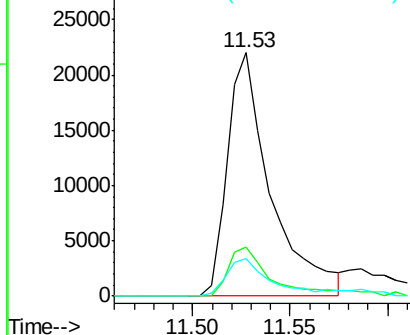


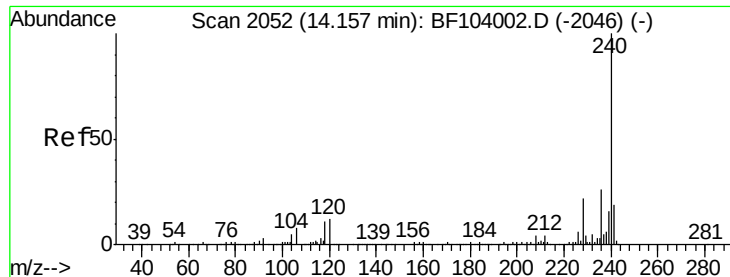
#71
Anthracene
Concen: 2.385 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.05 min
Lab File: BF104084.D
Acq: 30 Mar 2018 7:02

Tgt Ion:178 Resp: 33804
Ion Ratio Lower Upper
178 100
176 20.0 15.4 23.2
179 15.7 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BF104084.D

Acq: 30 Mar 2018 7:02

Instrument :

BNA_F

ClientSampleId :

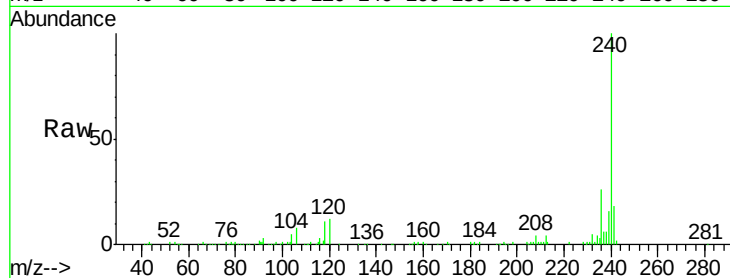
Tot Ion:240 Resp: 238838

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

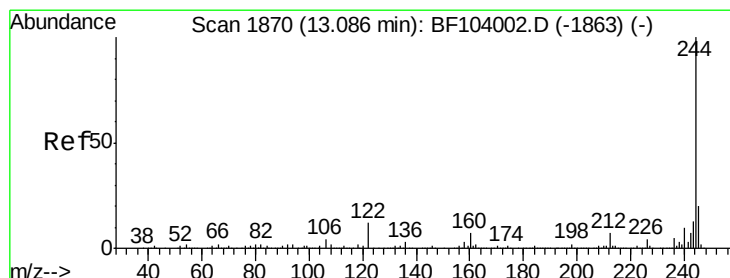
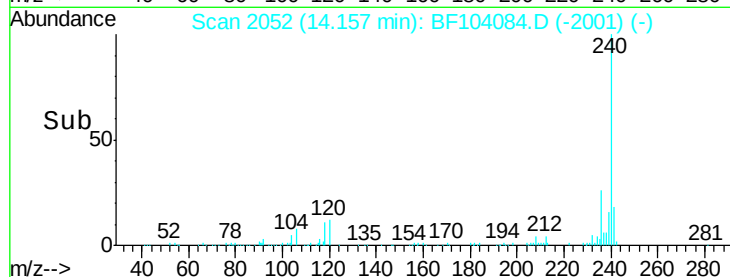
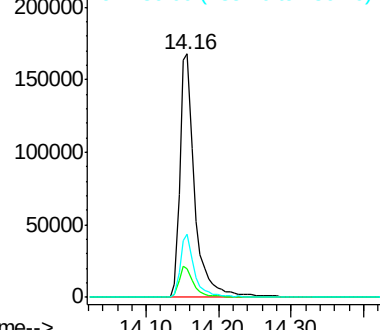
236 26.0 20.7 31.1



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: 78.398 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.00 min

Lab File: BF104084.D

Acq: 30 Mar 2018 7:02

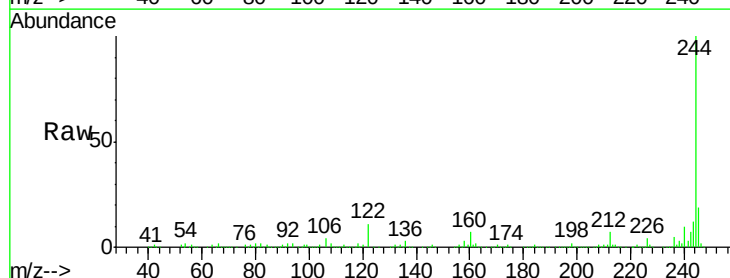
Tgt Ion:244 Resp: 810946

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

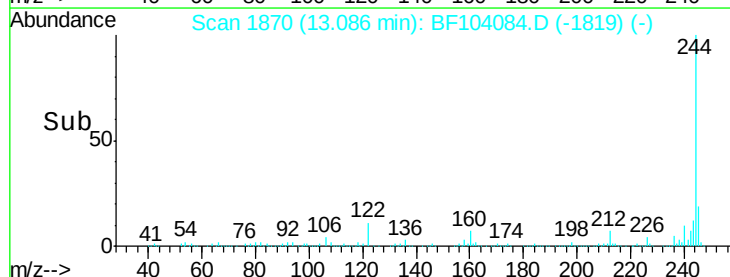
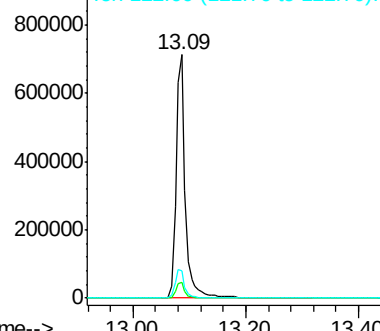
122 11.4 11.0 16.4

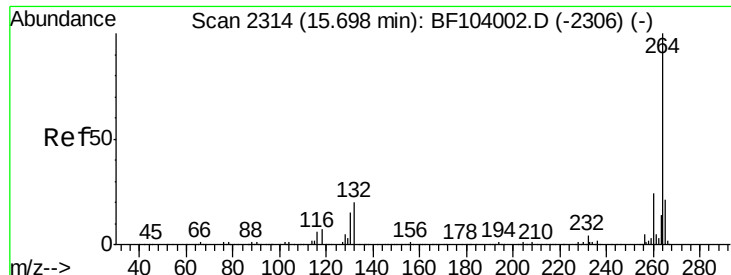


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

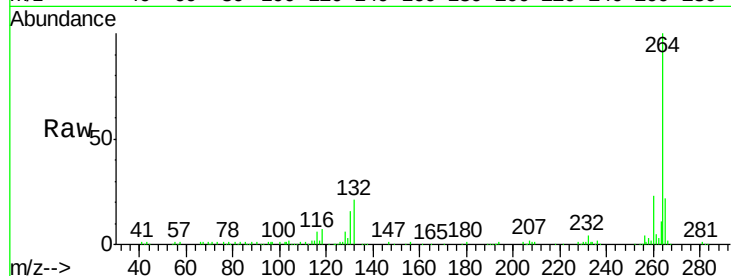




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2313
 Delta R.T. -0.01 min
 Lab File: BF104084.D
 Acq: 30 Mar 2018 7:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	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

