

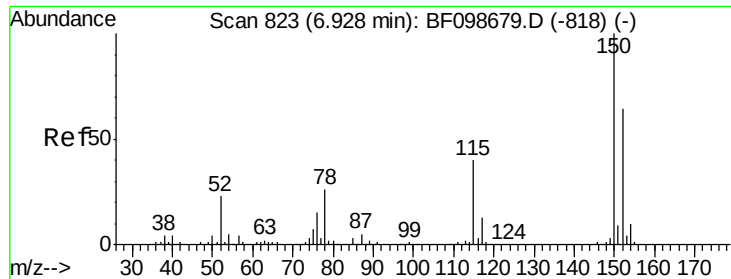
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
 Data File : BF098723.D
 Acq On : 23 Sep 2017 3:52
 Operator : SJ/JU
 Sample : I5340-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 23 04:53:27 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 22 10:38:37 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	155999	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	626386	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	253231	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	368151	20.00	ng	0.00
75) Chrysene-d12	14.09	240	313842	20.00	ng	0.00
86) Perylene-d12	15.59	264	263026	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1027340	100.00	ng	0.01
7) Phenol-d6	6.55	99	1235563	99.32	ng	0.00
23) Nitrobenzene-d5	7.49	82	736712	79.78	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	224386	96.89	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	1178455	74.05	ng	0.00
78) Terphenyl-d14	13.03	244	822241	56.26	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.70	77	22049	3.16	ng	85
10) Phenol	6.56	94	28455	2.07	ng	# 50
19) n-Nitroso-di-n-propylamine	7.49	70	97229	12.62	ng	# 76
25) Isophorone	7.49	82	734357	36.46	ng	# 64
49) Dimethylphthalate	9.67	163	223002	11.74	ng	99
56) 2,4-Dinitrotoluene	9.96	165	32195	6.40	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.75	198	529	9.18	ng	# 1
66) 4-Bromophenyl-phenylether	10.75	248	13775	3.71	ng	# 1
74) Fluoranthene	12.66	202	65900	3.31	ng	97
77) Pyrene	12.89	202	63969	2.75	ng	98
87) Benzo(b)fluoranthene	15.14	252	50914	3.34	ng	# 94
88) Benzo(k)fluoranthene	15.14	252	50914	3.34	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 823

Delta R.T. 0.00 min

Lab File: BF098723.D

Acq: 23 Sep 2017 3:52

Instrument :

BNA_F

ClientSampleId :

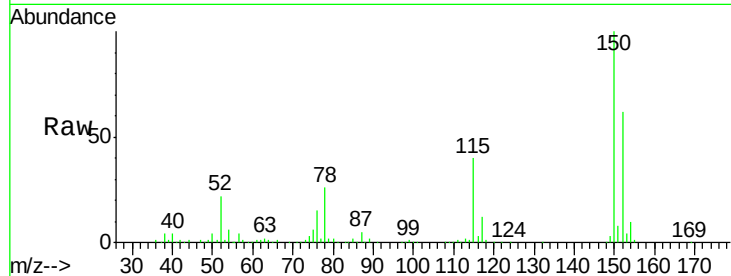
Tot Ion:152 Resp: 155999

Ion Ratio Lower Upper

152 100

150 161.5 124.6 186.8

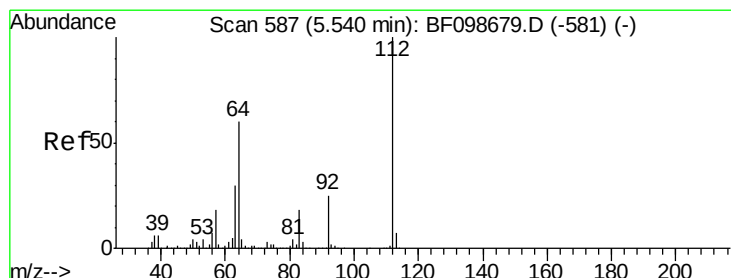
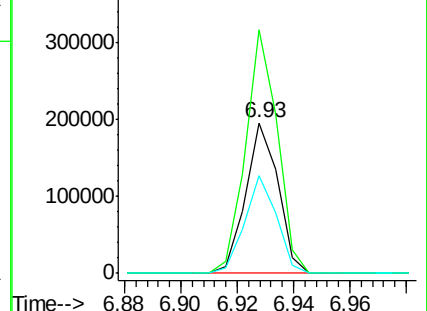
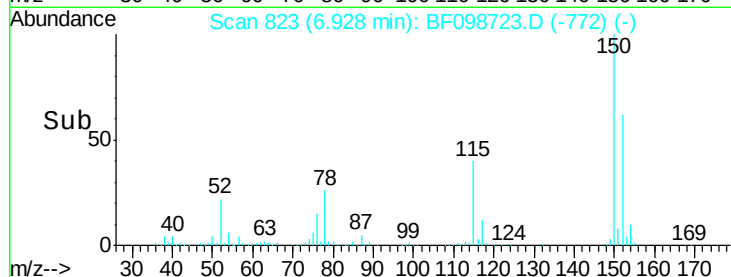
115 64.5 50.1 75.1



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: 100.00 ng

RT: 5.55 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF098723.D

Acq: 23 Sep 2017 3:52

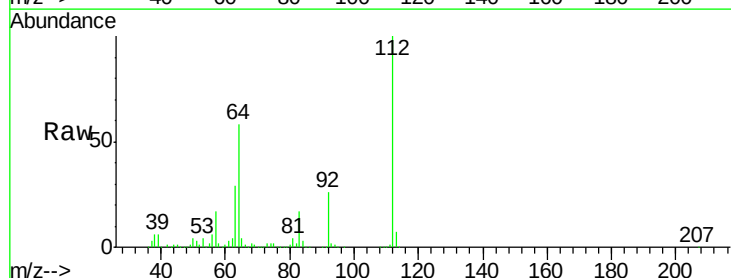
Tgt Ion:112 Resp: 1027340

Ion Ratio Lower Upper

112 100

64 58.4 47.9 71.9

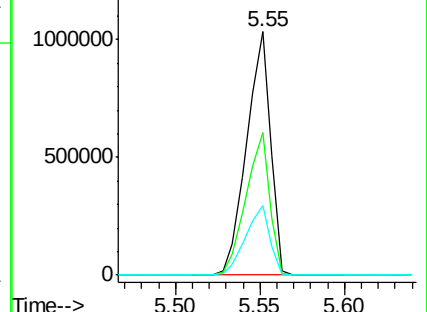
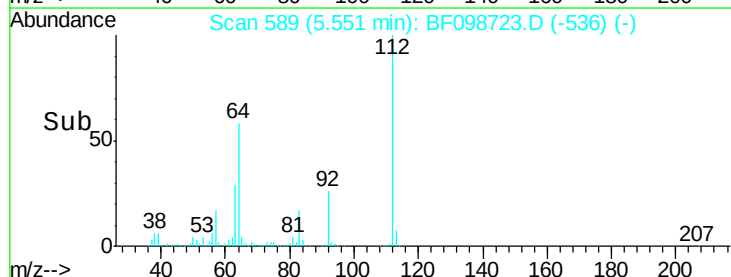
63 28.7 23.7 35.5

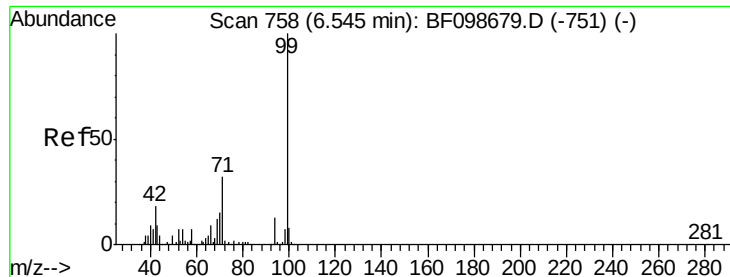


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 99.32 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.01 min

Lab File: BF098723.D

Acq: 23 Sep 2017 3:52

Instrument :

BNA_F

ClientSampleId :

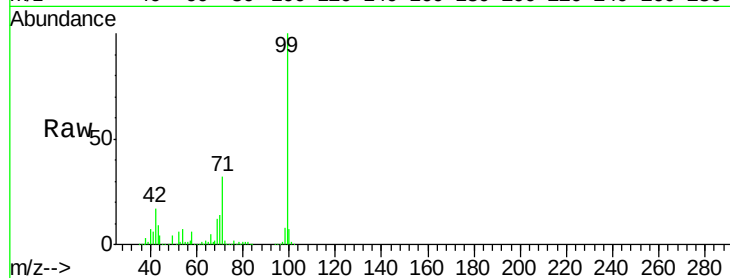
Tot Ion: 99 Resp: 1235563

Ion Ratio Lower Upper

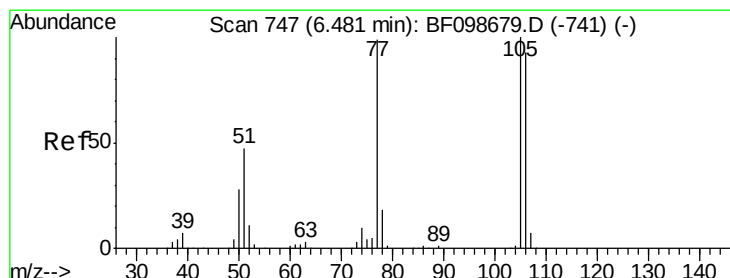
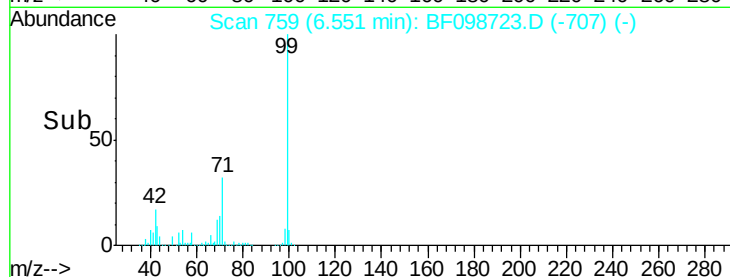
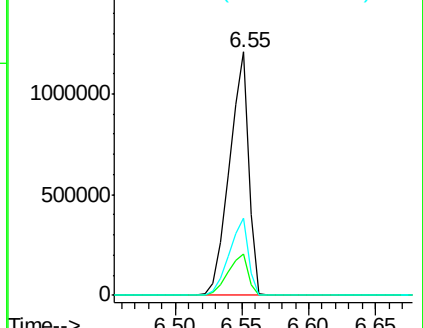
99 100

42 16.9 14.5 21.7

71 31.7 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: 3.16 ng

RT: 6.70 min Scan# 784

Delta R.T. 0.22 min

Lab File: BF098723.D

Acq: 23 Sep 2017 3:52

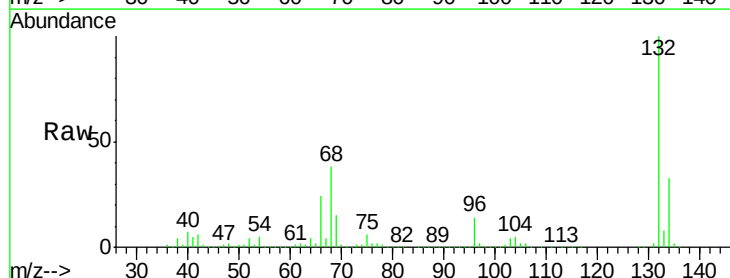
Tgt Ion: 77 Resp: 22049

Ion Ratio Lower Upper

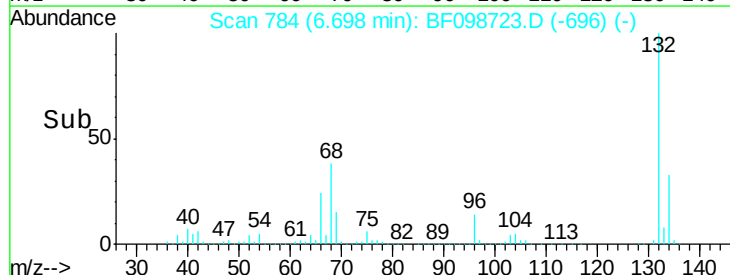
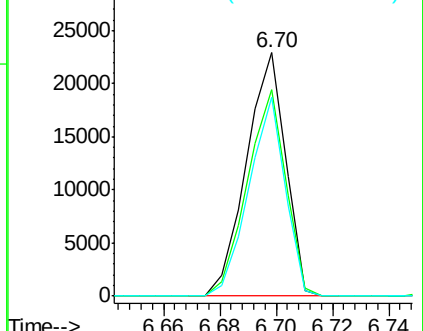
77 100

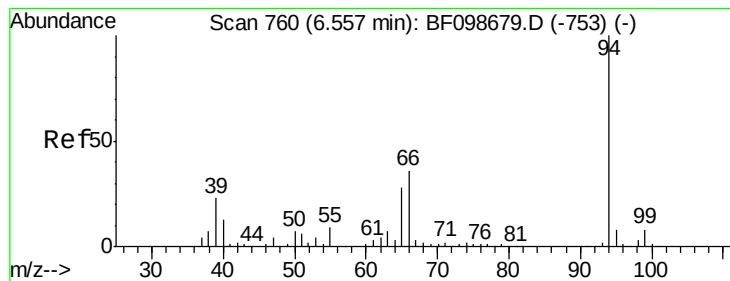
105 85.0 81.1 121.1

106 81.5 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 2.07 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.00 min

Lab File: BF098723.D

Acq: 23 Sep 2017 3:52

Instrument :

BNA_F

ClientSampleId :

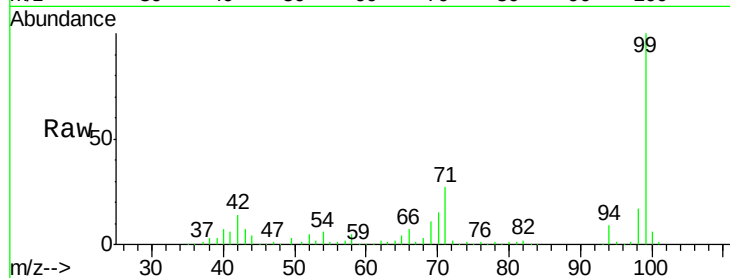
Tot Ion: 94 Resp: 28455

Ion Ratio Lower Upper

94 100

65 40.5 7.9 47.9

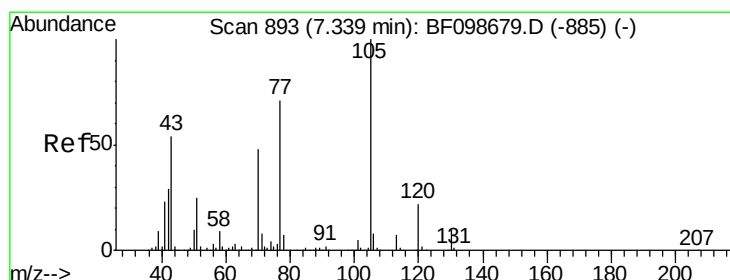
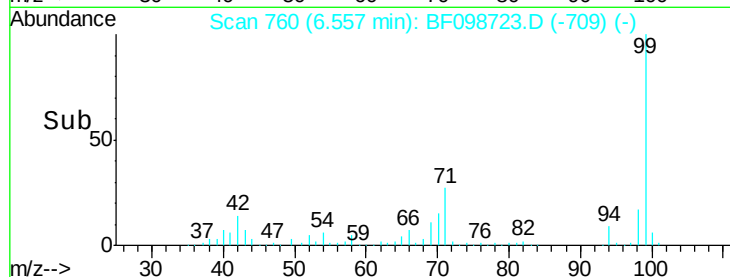
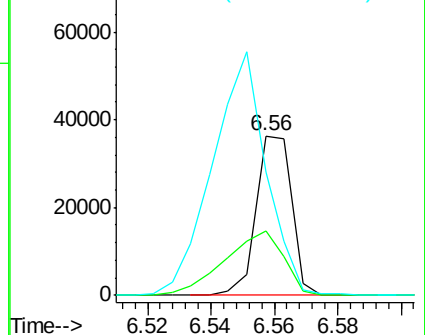
66 77.3 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 12.62 ng

RT: 7.49 min Scan# 919

Delta R.T. 0.15 min

Lab File: BF098723.D

Acq: 23 Sep 2017 3:52

Tgt Ion: 70 Resp: 97229

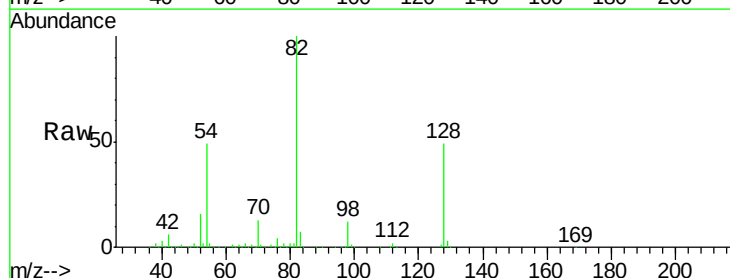
Ion Ratio Lower Upper

70 100

42 45.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

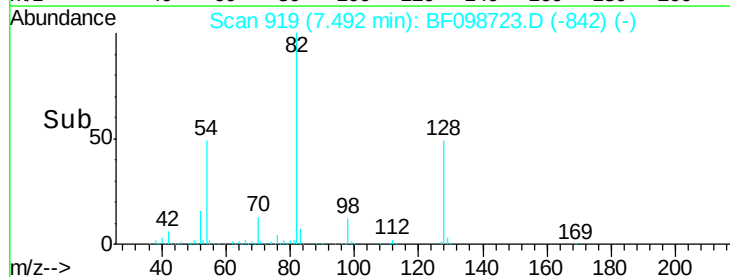
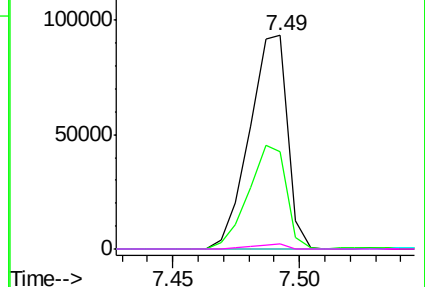


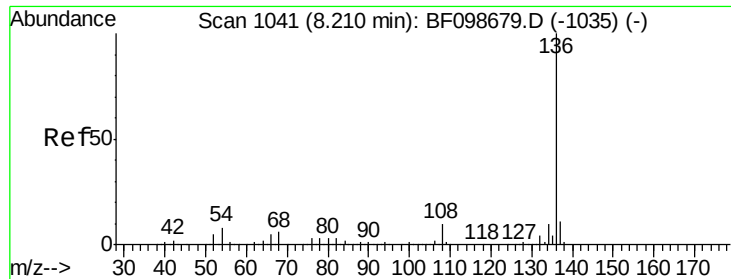
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

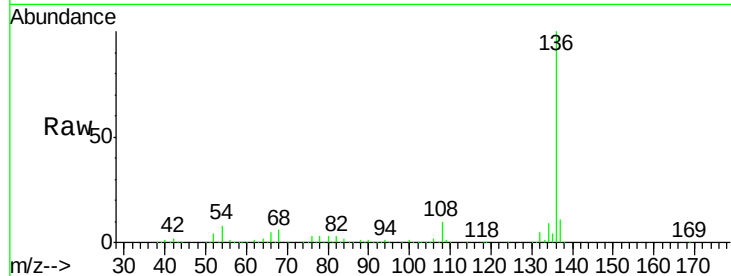




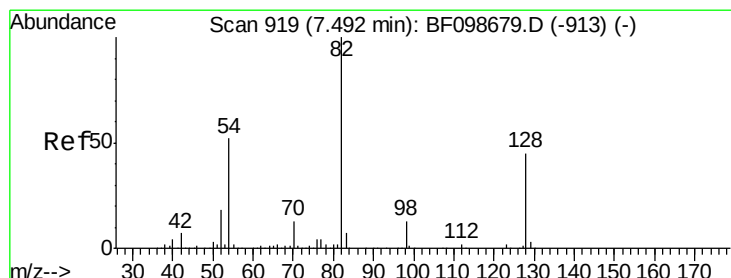
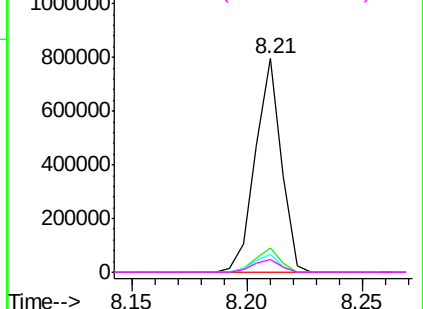
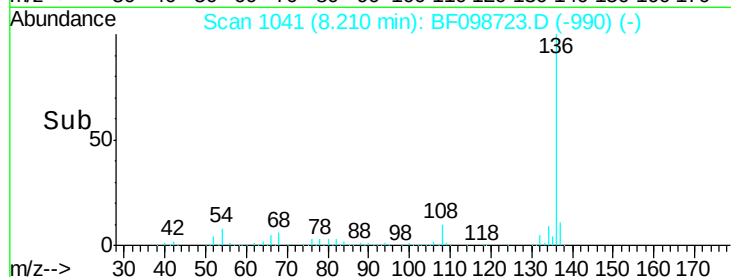
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.21 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF098723.D
Acq: 23 Sep 2017 3:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 626386
Ion Ratio	Lower Upper
136 100	
137 11.1	8.9 13.3
54 8.3	6.6 9.8
68 6.1	5.0 7.4

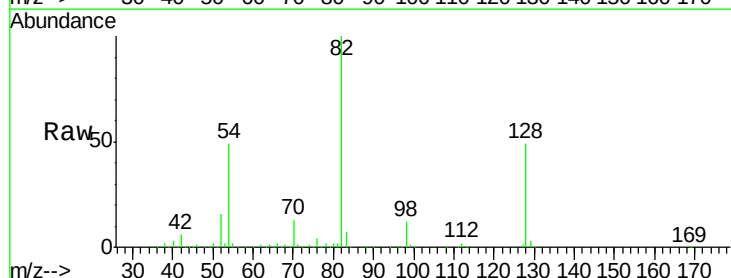


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

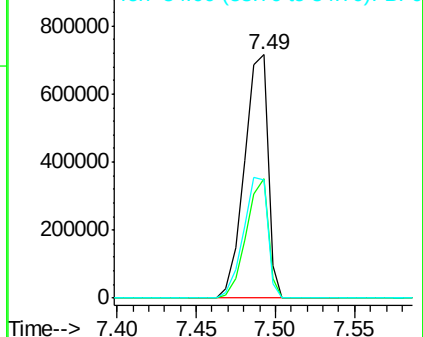
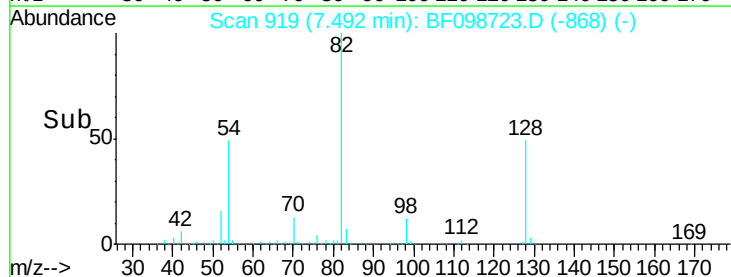


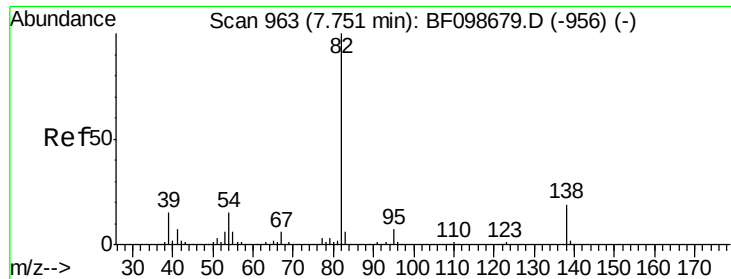
#23
Nitrobenzene-d5
Concen: 79.78 ng
RT: 7.49 min Scan# 919
Delta R.T. 0.00 min
Lab File: BF098723.D
Acq: 23 Sep 2017 3:52

Tgt	Ion: 82	Resp:	736712
Ion	Ratio	Lower	Upper
82	100		
128	48.8	36.1	54.1
54	48.6	41.4	62.2



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

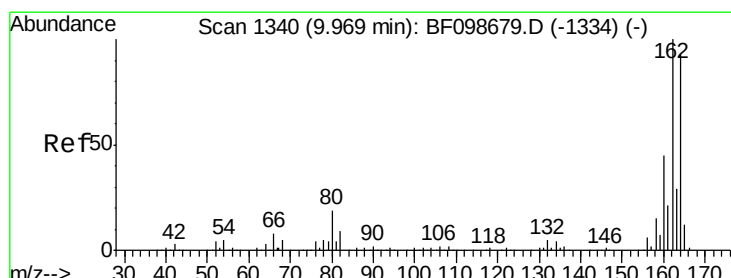
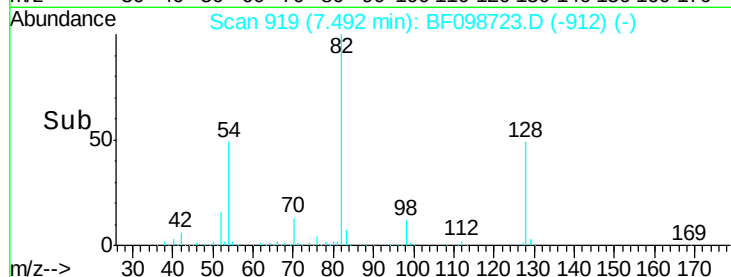
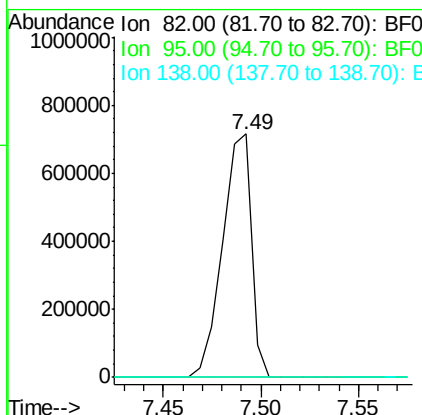
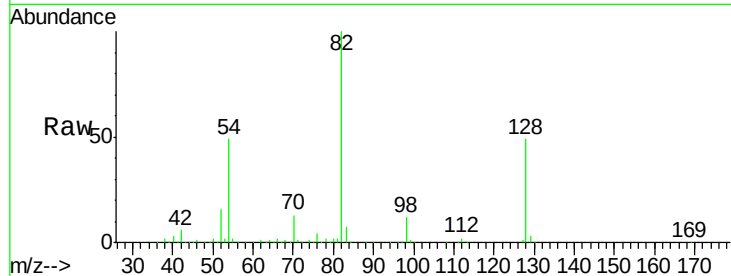




#25
Isophorone
Concen: 36.46 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.26 min
Lab File: BF098723.D
Acq: 23 Sep 2017 3:52

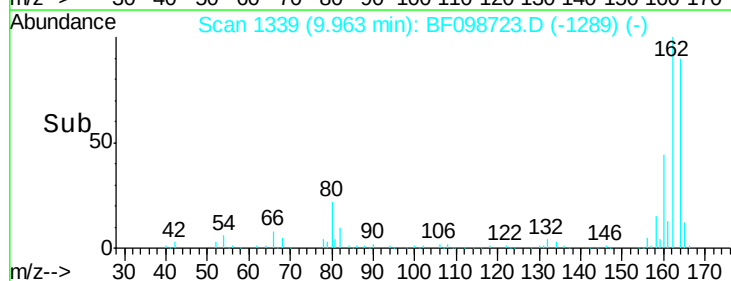
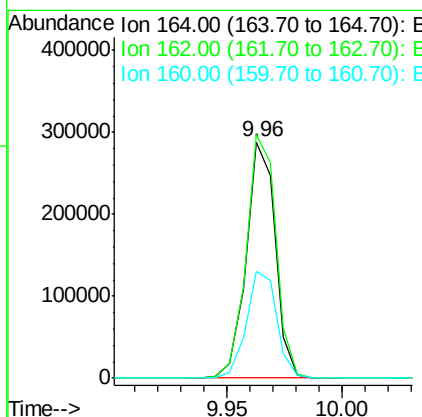
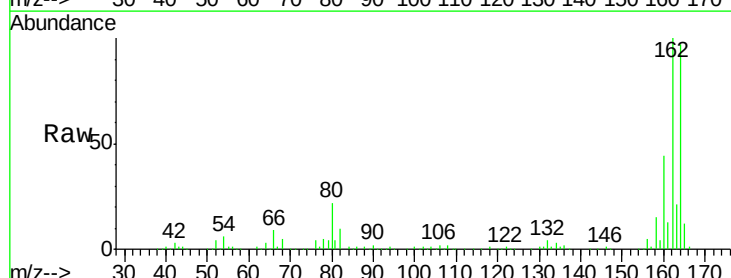
Instrument :
BNA_F
ClientSampled :

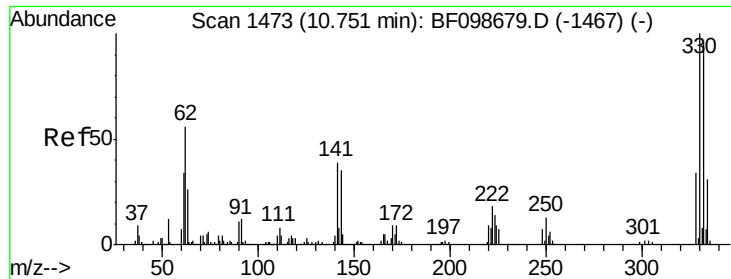
Tot Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF098723.D
Acq: 23 Sep 2017 3:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	86.1	129.1
160	45.3	38.3	57.5

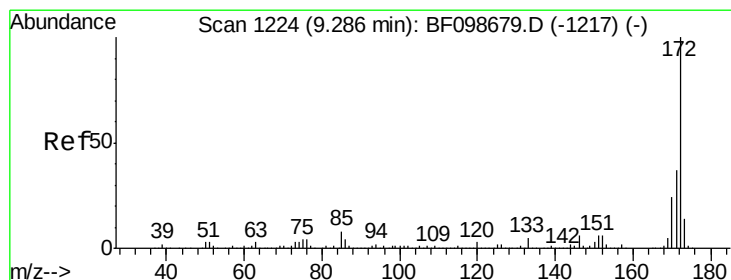
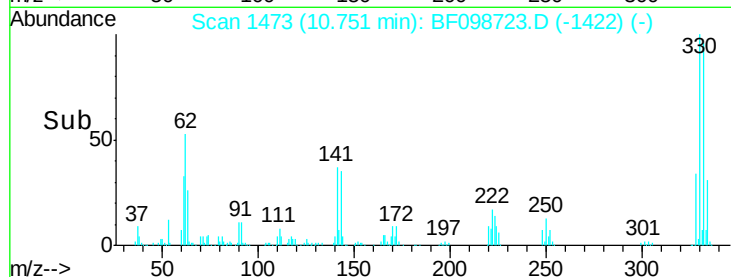
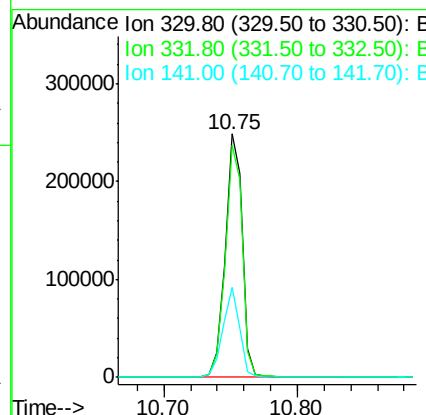
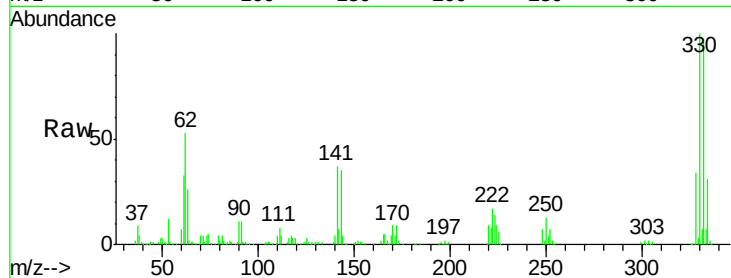




#41
 2,4,6-Tribromophenol
 Concen: 96.89 ng
 RT: 10.75 min Scan# 1473
 Delta R.T. 0.00 min
 Lab File: BF098723.D
 Acq: 23 Sep 2017 3:52

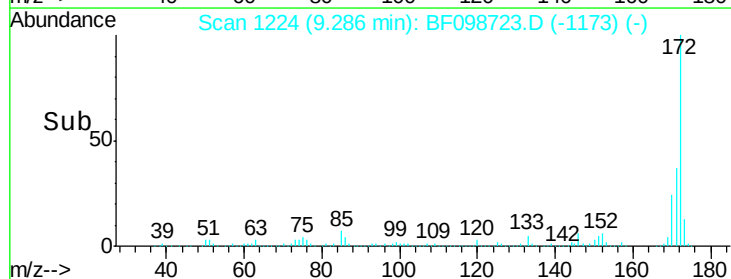
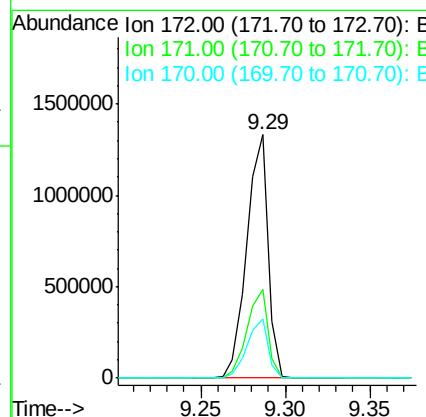
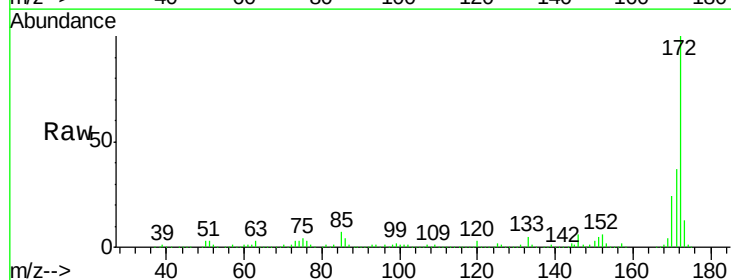
Instrument :
 BNA_F
 ClientSampleId :

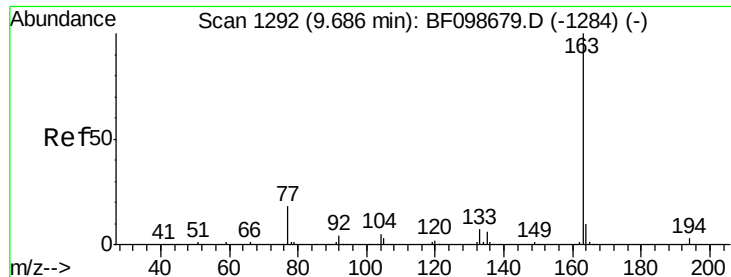
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	36.3	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 74.05 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: BF098723.D
 Acq: 23 Sep 2017 3:52

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

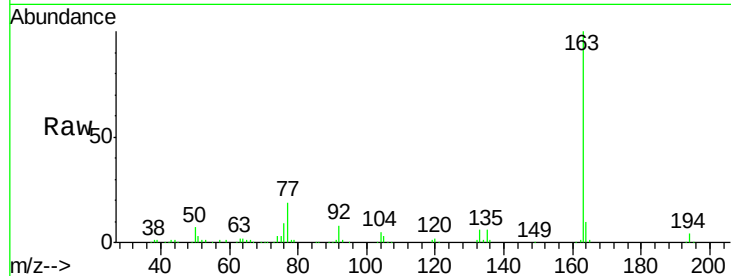




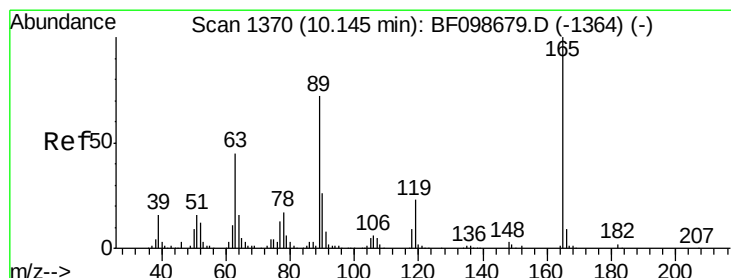
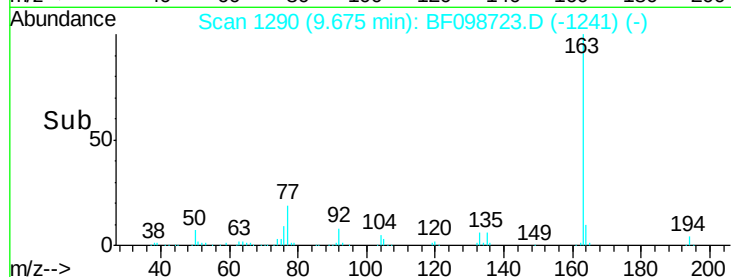
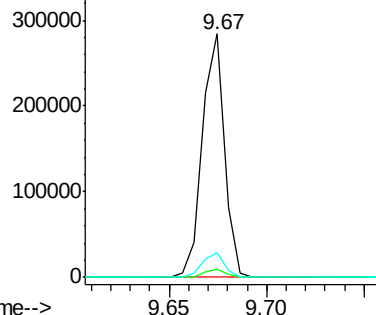
#49
Dimethylphthalate
Concen: 11.74 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BF098723.D
Acq: 23 Sep 2017 3:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.0	8.2	12.2

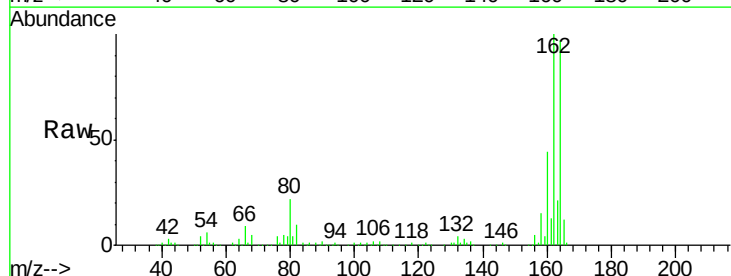


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

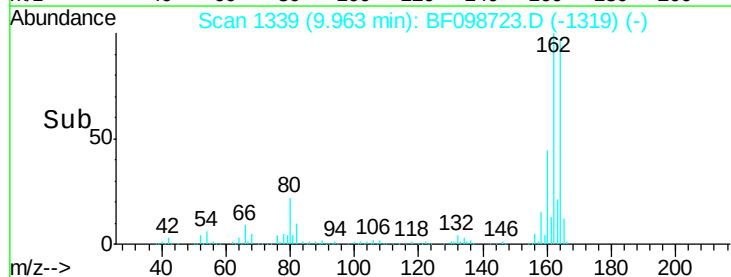
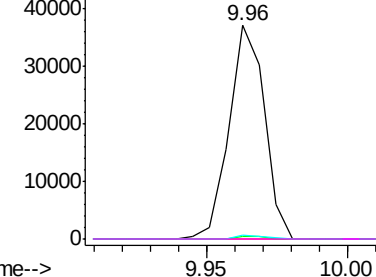


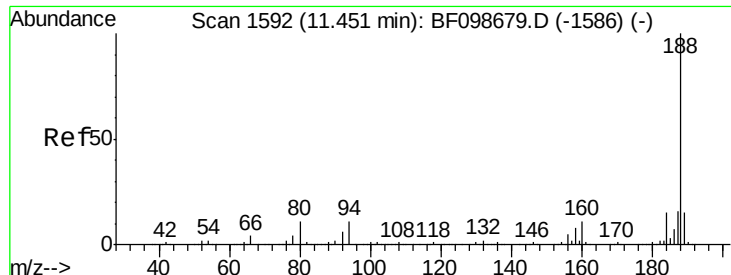
#56
2,4-Dinitrotoluene
Concen: 6.40 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.18 min
Lab File: BF098723.D
Acq: 23 Sep 2017 3:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.7	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): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

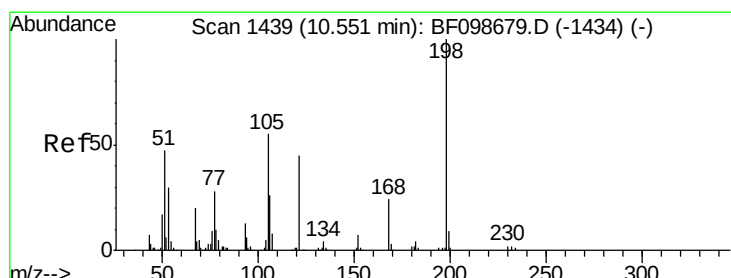
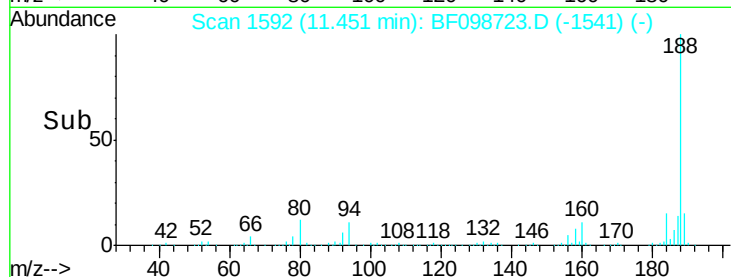
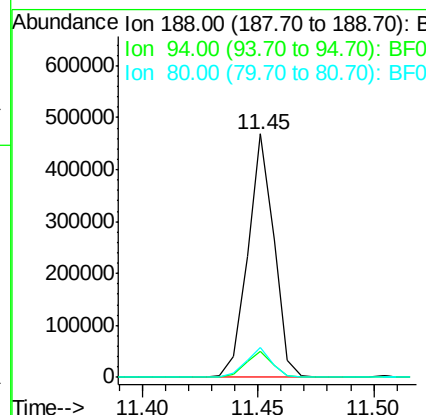
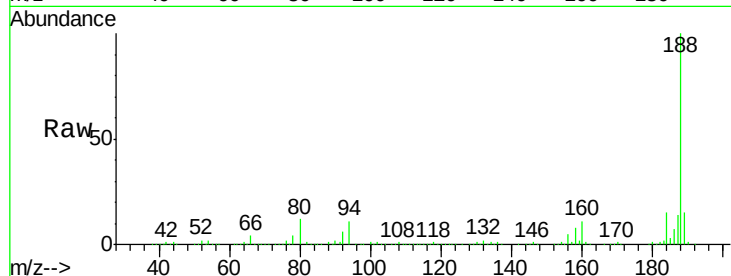




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. 0.00 min
 Lab File: BF098723.D
 Acq: 23 Sep 2017 3:52

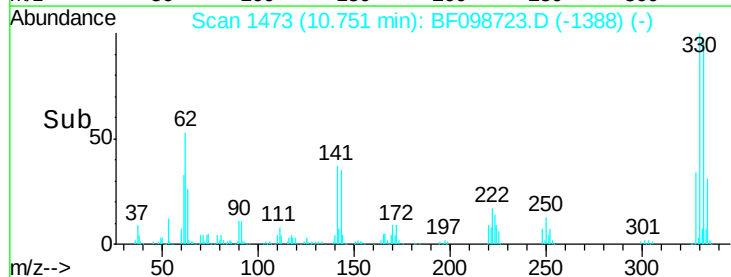
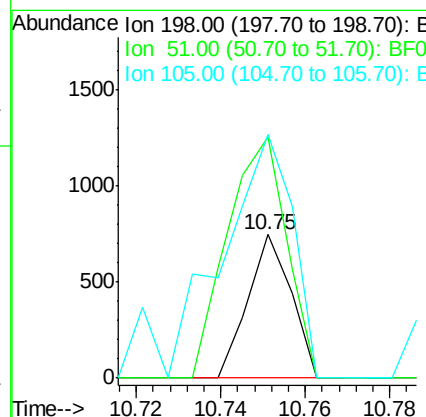
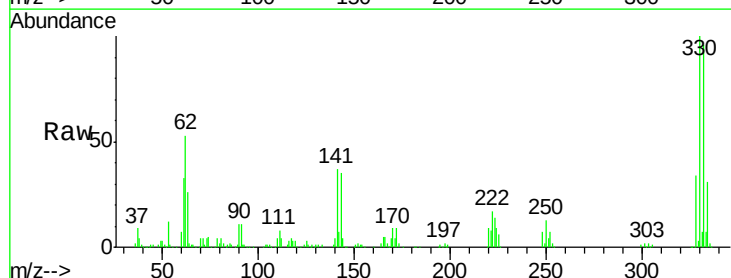
Instrument :
 BNA_F
 ClientSampleId :

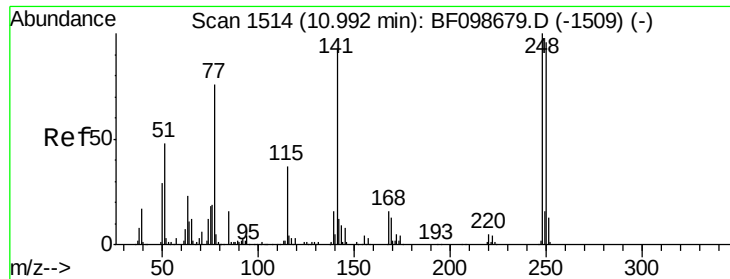
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.5	12.7
80	12.0	9.2	13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.18 ng
 RT: 10.75 min Scan# 1473
 Delta R.T. 0.20 min
 Lab File: BF098723.D
 Acq: 23 Sep 2017 3:52

Tgt Ion	Ratio	Lower	Upper
198	100		
51	168.1	37.7	77.7#
105	169.5	36.3	76.3#

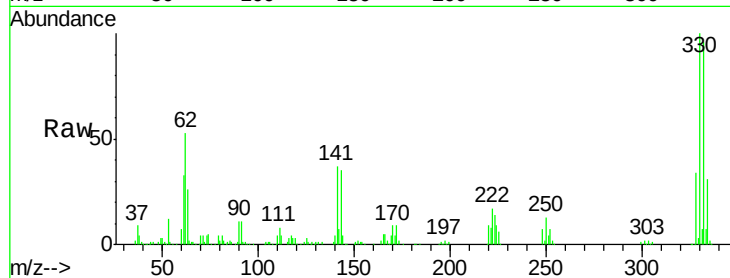




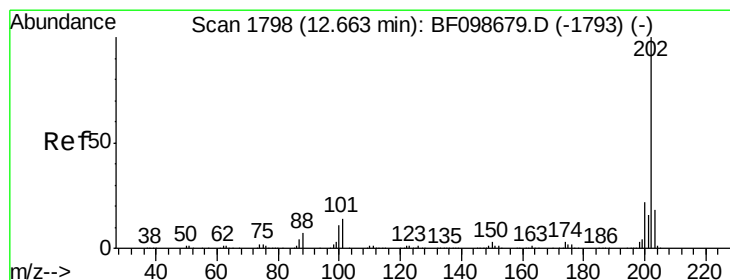
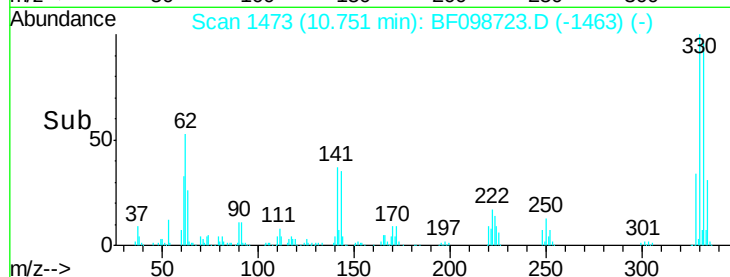
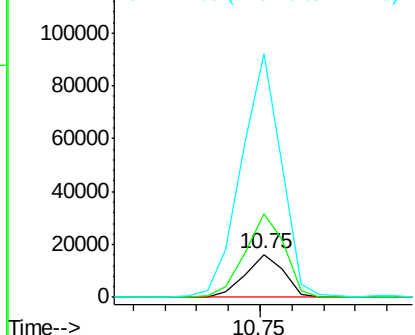
#66
 4-Bromophenyl-phenylether
 Concen: 3.71 ng
 RT: 10.75 min Scan# 1473
 Delta R.T. -0.24 min
 Lab File: BF098723.D
 Acq: 23 Sep 2017 3:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 13775
 Ion Ratio Lower Upper
 248 100
 250 193.9 76.9 115.3#
 141 563.7 74.4 111.6#

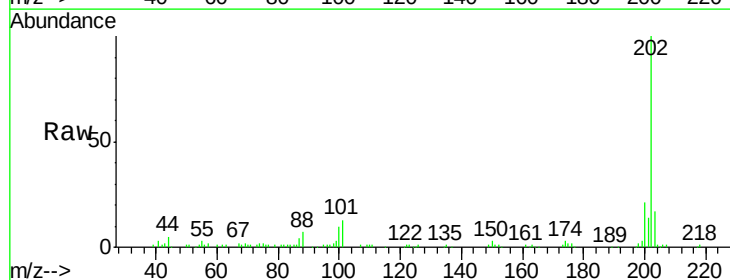


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

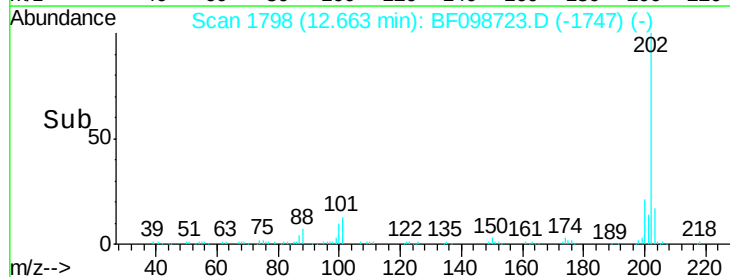
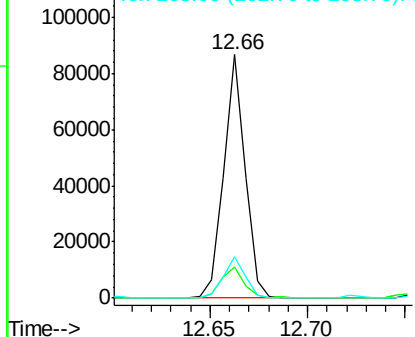


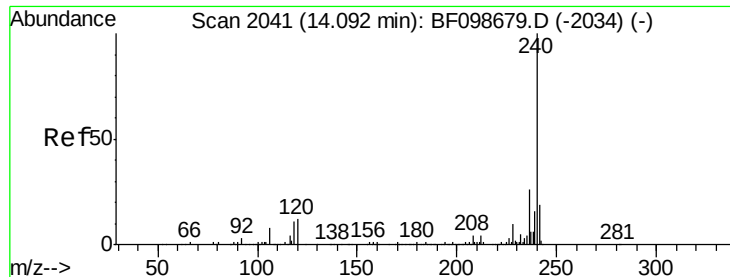
#74
 Fluoranthene
 Concen: 3.31 ng
 RT: 12.66 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: BF098723.D
 Acq: 23 Sep 2017 3:52

Tgt Ion:202 Resp: 65900
 Ion Ratio Lower Upper
 202 100
 101 13.0 0.0 34.1
 203 16.8 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.09 min Scan# 2041

Delta R.T. 0.00 min

Lab File: BF098723.D

Acq: 23 Sep 2017 3:52

Instrument :

BNA_F

ClientSampleId :

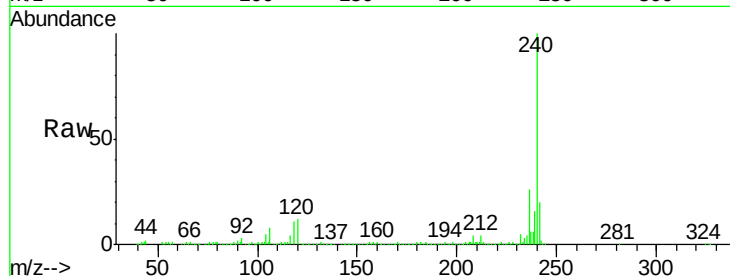
Tot Ion:240 Resp: 313842

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

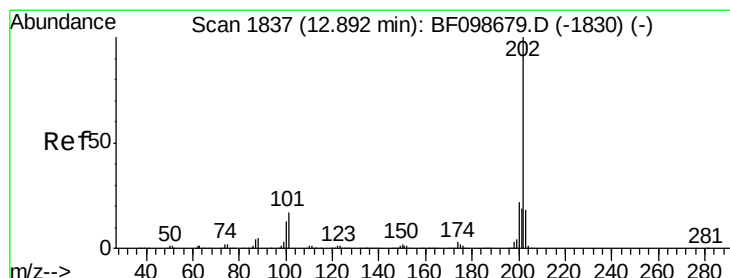
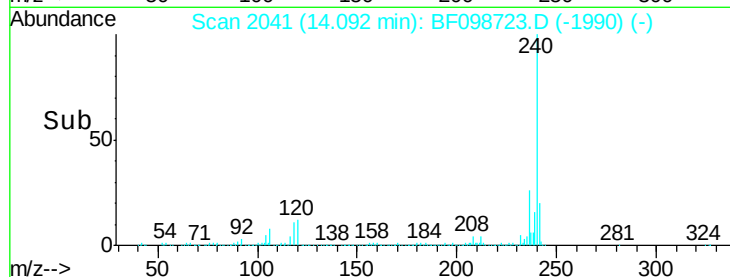
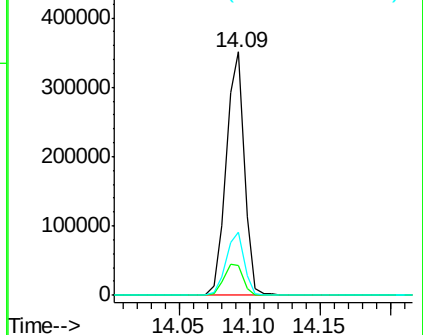
236 26.1 20.7 31.1



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



#77

Pyrene

Concen: 2.75 ng

RT: 12.89 min Scan# 1837

Delta R.T. 0.00 min

Lab File: BF098723.D

Acq: 23 Sep 2017 3:52

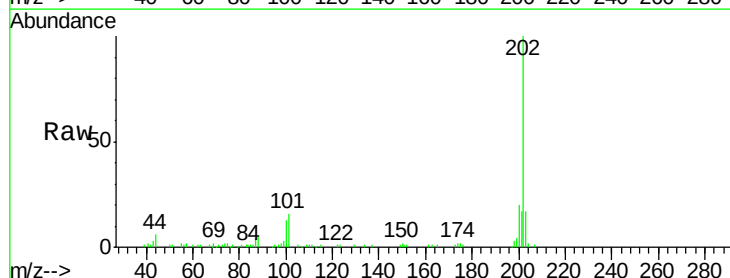
Tgt Ion:202 Resp: 63969

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

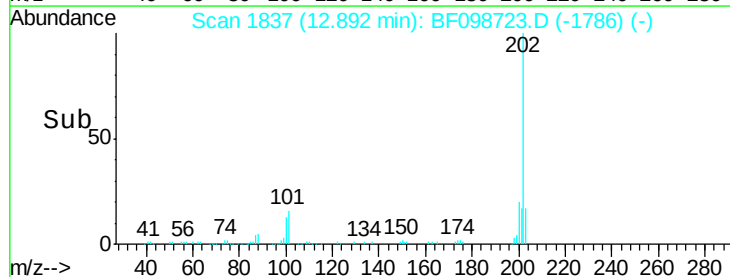
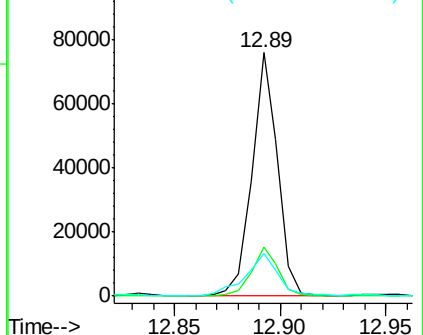
203 17.3 14.3 21.5

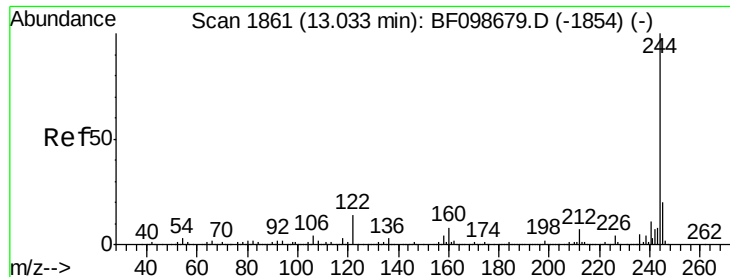


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 56.26 ng

RT: 13.03 min Scan# 1861

Delta R.T. 0.00 min

Lab File: BF098723.D

Acq: 23 Sep 2017 3:52

Instrument :

BNA_F

ClientSampled :

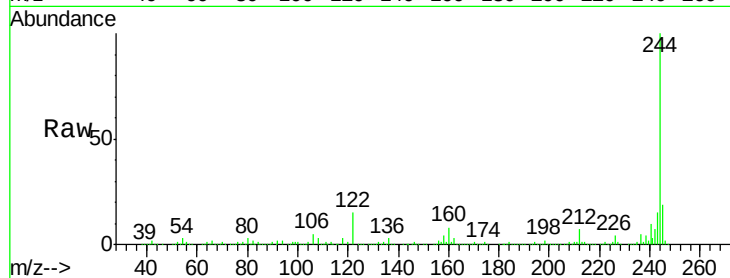
Tot Ion:244 Resp: 822241

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

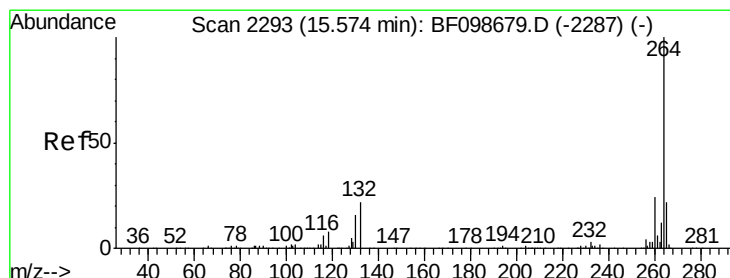
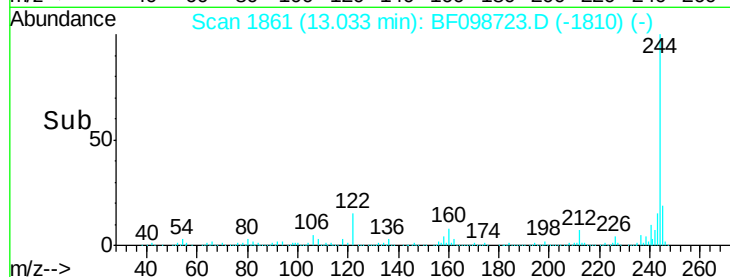
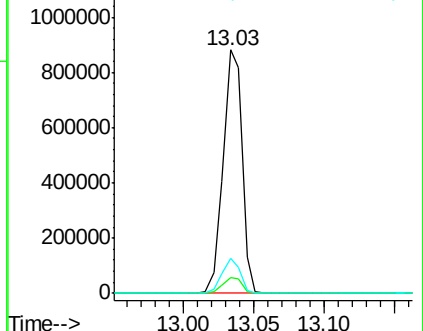
122 14.6 11.0 16.4



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: 20.00 ng

RT: 15.59 min Scan# 2295

Delta R.T. 0.01 min

Lab File: BF098723.D

Acq: 23 Sep 2017 3:52

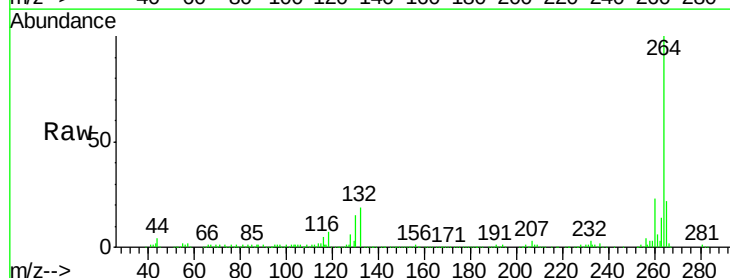
Tgt Ion:264 Resp: 263026

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

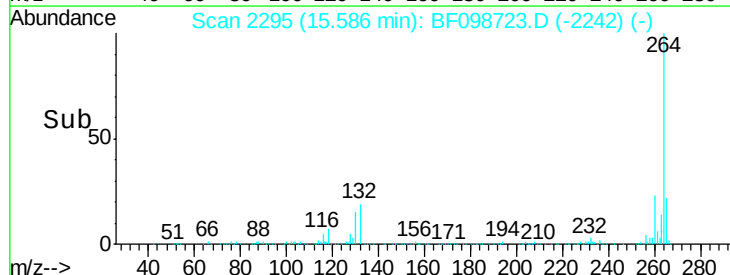
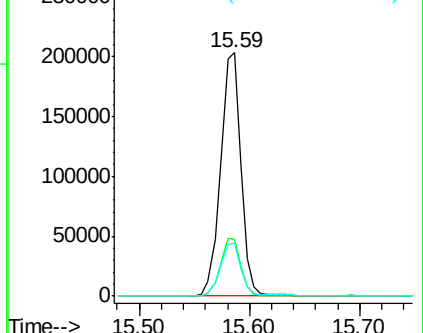
265 21.5 17.5 26.3

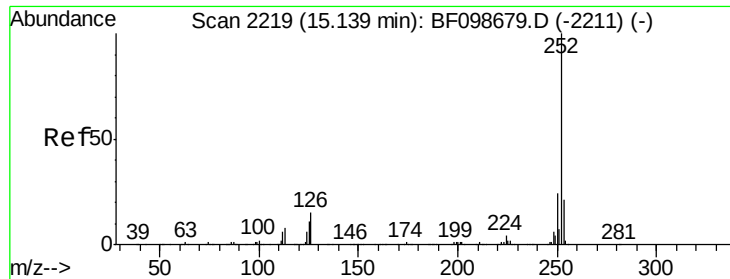


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

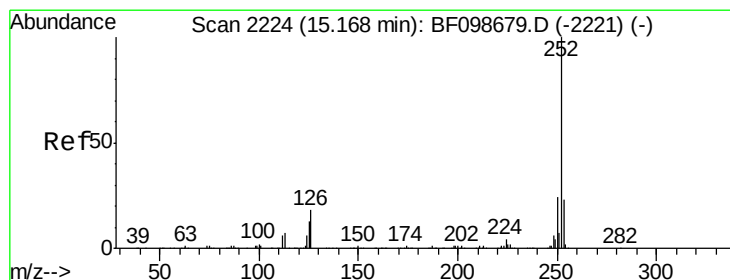
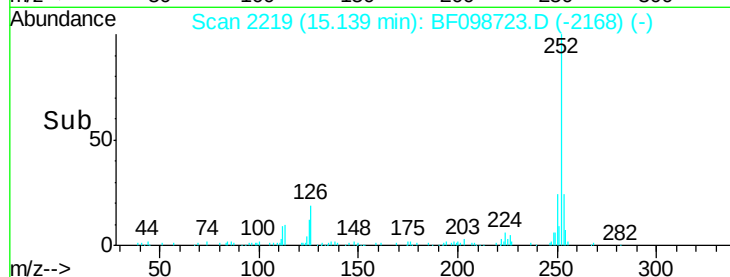
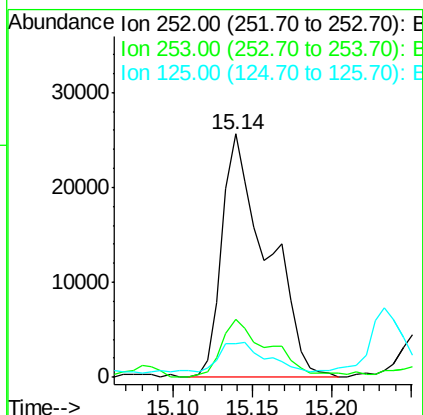
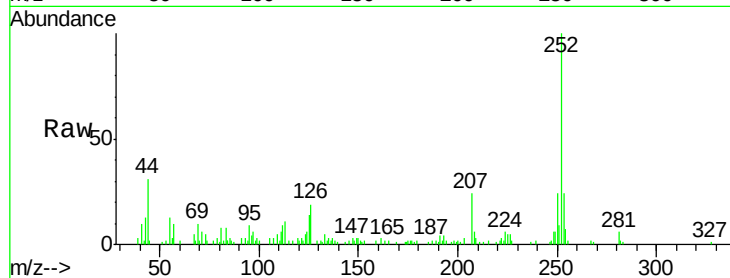




#87
Benzo(b)fluoranthene
Concen: 3.34 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.00 min
Lab File: BF098723.D
Acq: 23 Sep 2017 3:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	14.0	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 3.34 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.03 min
Lab File: BF098723.D
Acq: 23 Sep 2017 3:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	14.0	10.2	15.2

