

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
 Data File : BF098722.D
 Acq On : 23 Sep 2017 3:24
 Operator : SJ/JU
 Sample : I5340-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 23 04:53:08 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	141626	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	563680	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	230868	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	334405	20.00	ng	0.00
75) Chrysene-d12	14.09	240	293179	20.00	ng	0.00
86) Perylene-d12	15.59	264	244097	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	952383	102.11	ng	0.01
7) Phenol-d6	6.55	99	1144497	101.34	ng	0.00
23) Nitrobenzene-d5	7.49	82	687826	82.77	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	210489	99.69	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	1138930	78.50	ng	0.00
78) Terphenyl-d14	13.03	244	798760	58.50	ng	0.00
Target Compounds						
10) Phenol	6.56	94	26312	2.11	ng	# 72
19) n-Nitroso-di-n-propylamine	7.49	70	90475	12.93	ng	# 80
25) Isophorone	7.49	82	686902	37.90	ng	# 64
49) Dimethylphthalate	9.67	163	206610	11.93	ng	# 98
56) 2,4-Dinitrotoluene	9.96	165	28635	6.24	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.75	198	363	9.13	ng	# 1
66) 4-Bromophenyl-phenylether	10.75	248	13036	3.86	ng	# 1
74) Fluoranthene	12.66	202	49103	2.72	ng	# 98
77) Pyrene	12.89	202	49712	2.28	ng	# 98
87) Benzo(b)fluoranthene	15.14	252	41911	2.96	ng	# 95
88) Benzo(k)fluoranthene	15.14	252	41911	2.96	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: BF098722.D

Acq: 23 Sep 2017 3:24

Instrument :

BNA_F

ClientSampleId :

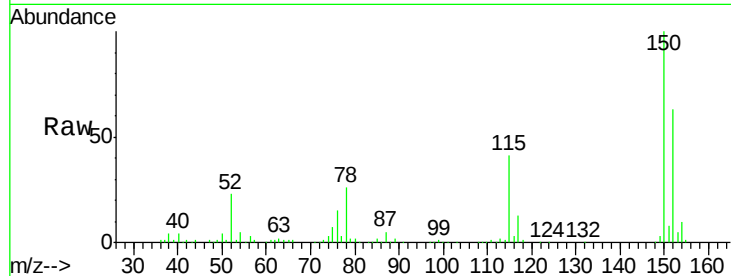
Tot Ion:152 Resp: 141626

Ion Ratio Lower Upper

152 100

150 157.6 124.6 186.8

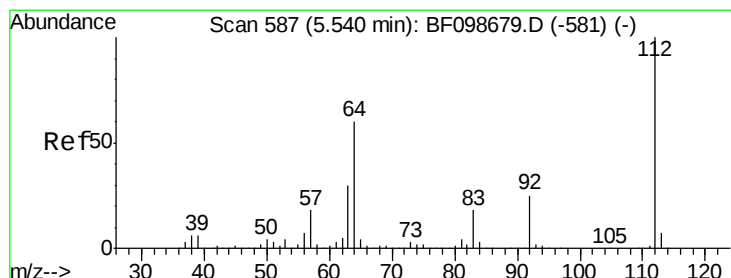
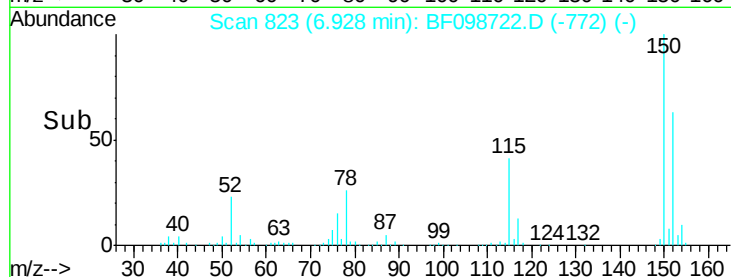
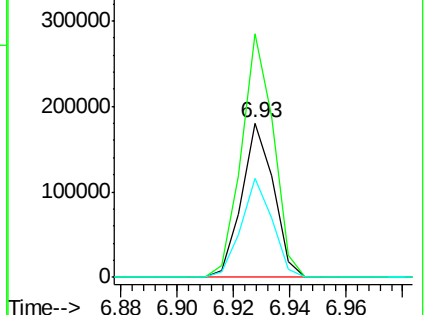
115 64.2 50.1 75.1



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: 102.11 ng

RT: 5.55 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF098722.D

Acq: 23 Sep 2017 3:24

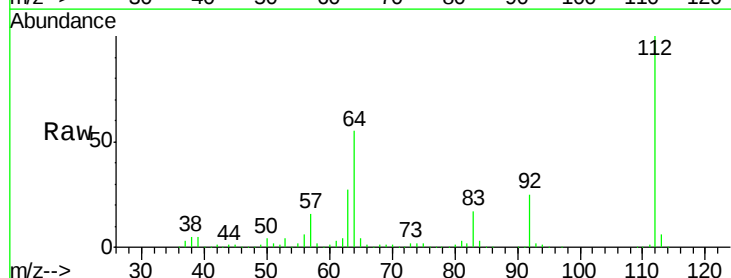
Tgt Ion:112 Resp: 952383

Ion Ratio Lower Upper

112 100

64 54.9 47.9 71.9

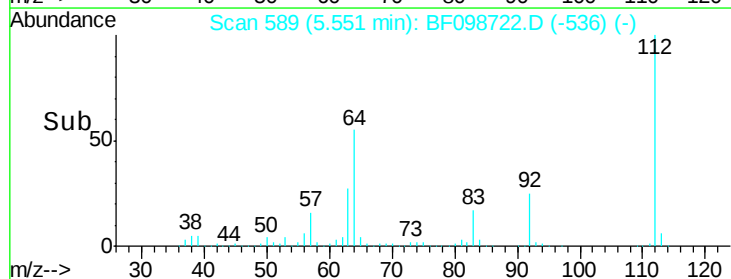
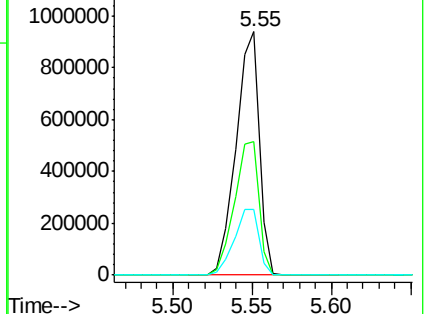
63 27.1 23.7 35.5



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: 101.34 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.01 min

Lab File: BF098722.D

Acq: 23 Sep 2017 3:24

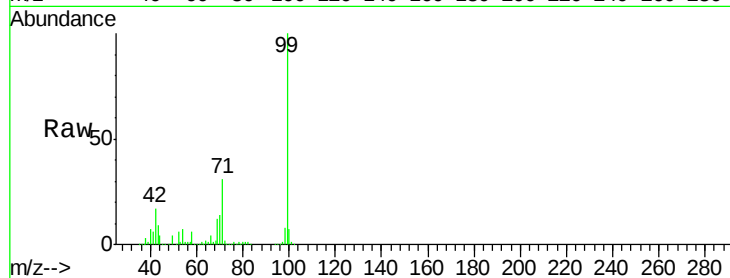
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1144497

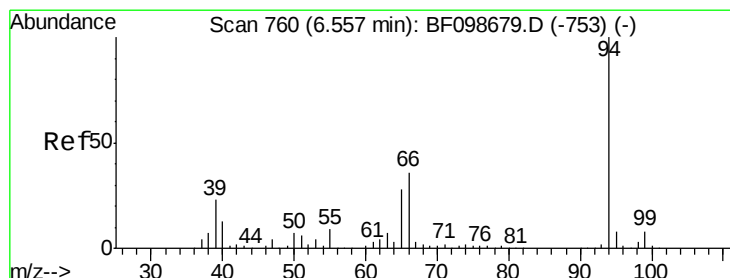
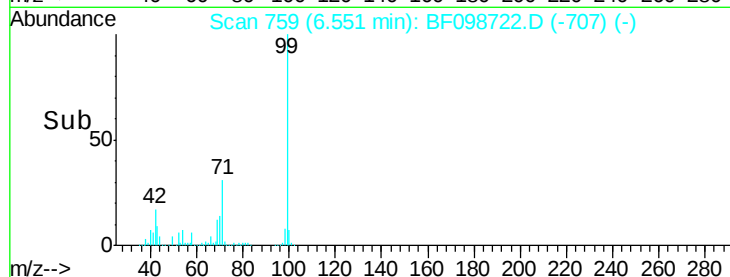
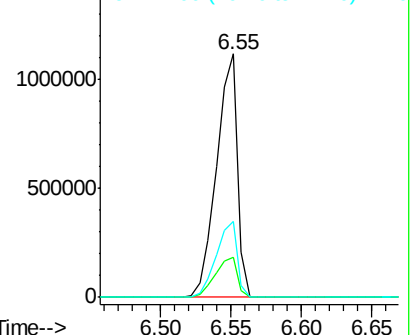
Ion	Ratio	Lower	Upper
99	100		
42	16.7	14.5	21.7
71	31.2	25.4	38.0



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



#10

Phenol

Concen: 2.11 ng

RT: 6.56 min Scan# 760

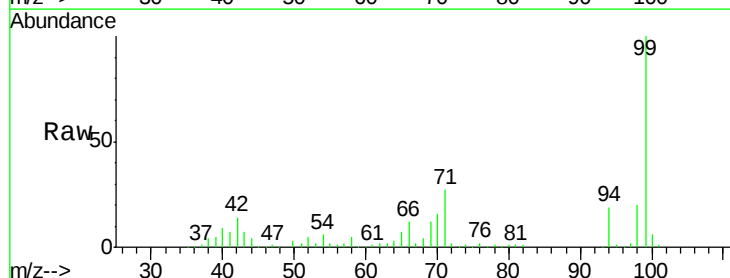
Delta R.T. -0.00 min

Lab File: BF098722.D

Acq: 23 Sep 2017 3:24

Tgt Ion: 94 Resp: 26312

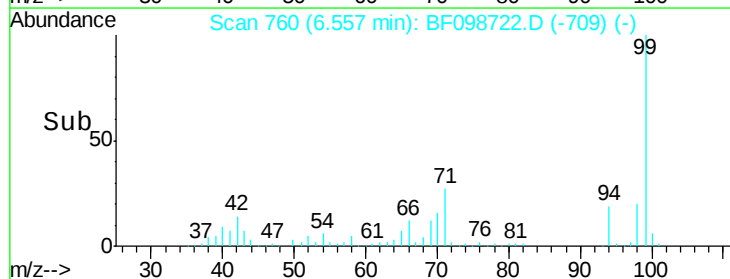
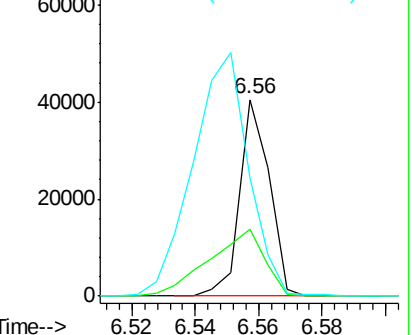
Ion	Ratio	Lower	Upper
94	100		
65	34.0	7.9	47.9
66	60.2	16.2	56.2



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

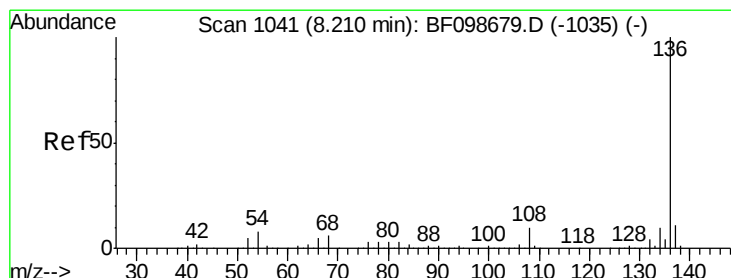
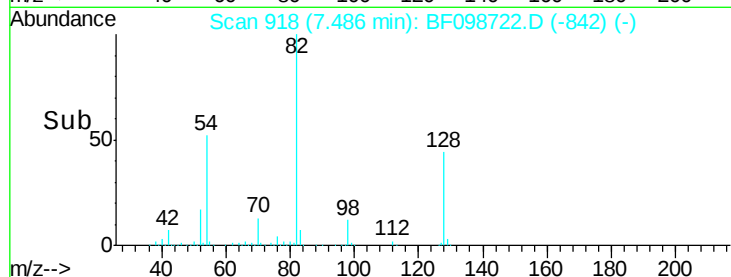
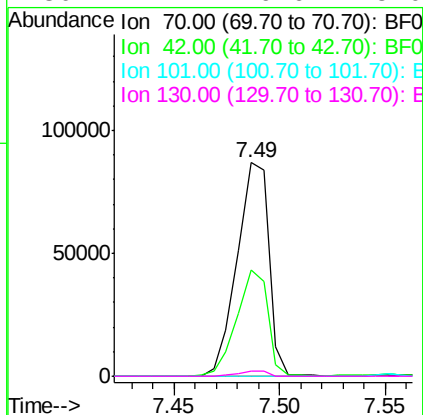
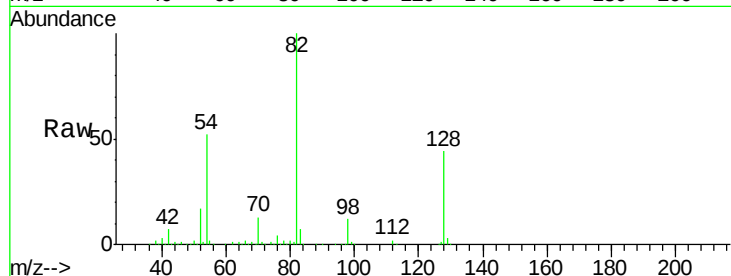




#19
n-Nitroso-di-n-propylamine
Concen: 12.93 ng
RT: 7.49 min Scan# 918
Delta R.T. 0.15 min
Lab File: BF098722.D
Acq: 23 Sep 2017 3:24

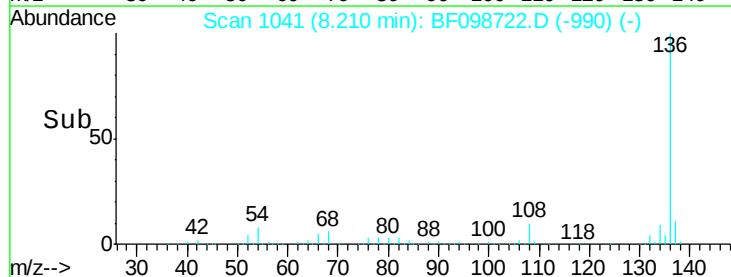
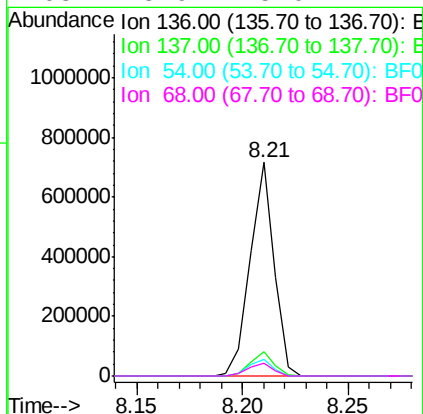
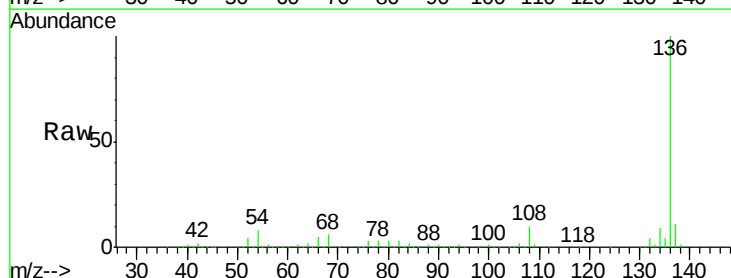
Instrument :
BNA_F
ClientSampleId :

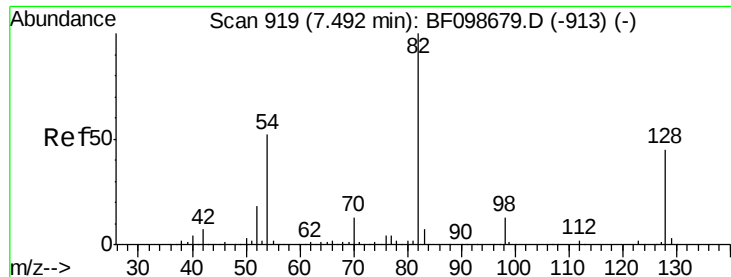
Tot Ion: 70 Resp: 90475
Ion Ratio Lower Upper
70 100
42 49.7 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BF098722.D
Acq: 23 Sep 2017 3:24

Tgt Ion: 136 Resp: 563680
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.5 6.6 9.8
68 5.9 5.0 7.4

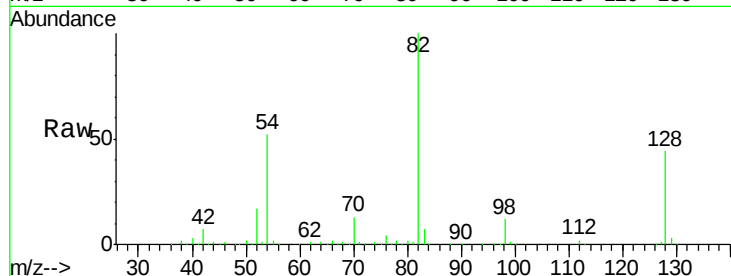




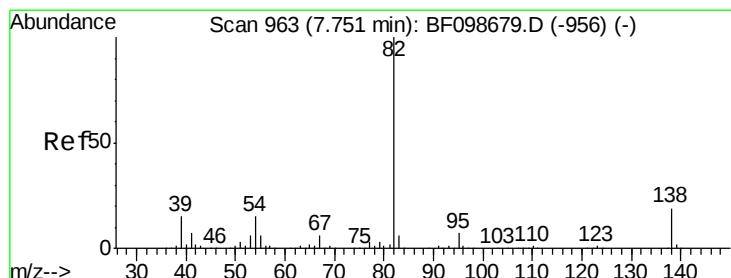
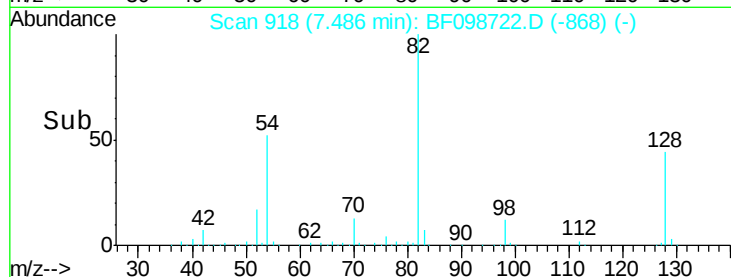
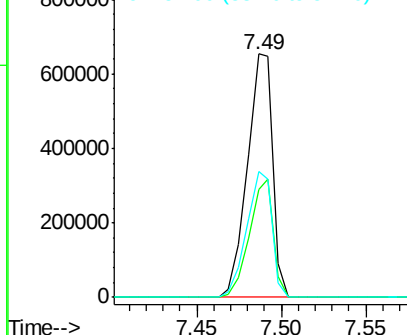
#23
 Nitrobenzene-d5
 Concen: 82.77 ng
 RT: 7.49 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: BF098722.D
 Acq: 23 Sep 2017 3:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	687826
Ion Ratio	Lower	Upper	
82	100		
128	44.4	36.1	54.1
54	51.7	41.4	62.2

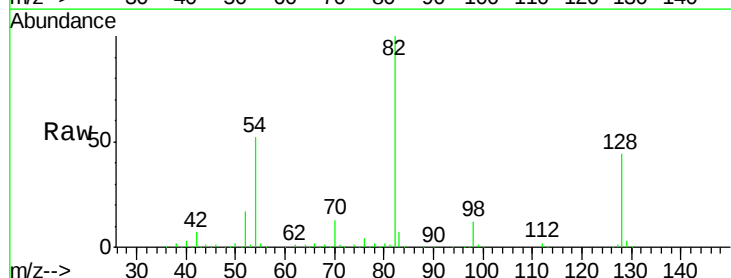


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

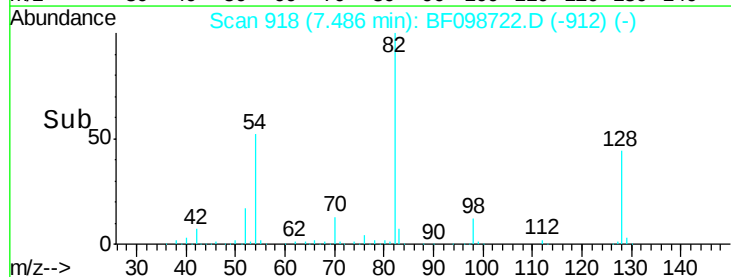
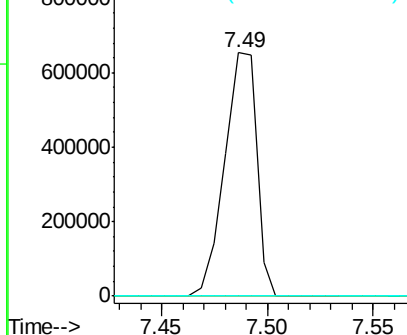


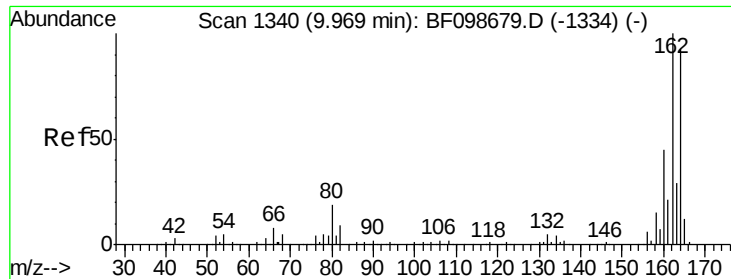
#25
 Isophorone
 Concen: 37.90 ng
 RT: 7.49 min Scan# 918
 Delta R.T. -0.26 min
 Lab File: BF098722.D
 Acq: 23 Sep 2017 3:24

Tgt Ion	82	Resp	686902
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): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF098722.D

Acq: 23 Sep 2017 3:24

Instrument :

BNA_F

ClientSampleId :

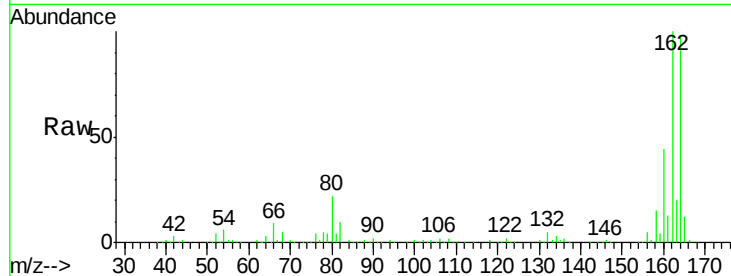
Tot Ion:164 Resp: 230868

Ion Ratio Lower Upper

164 100

162 102.4 86.1 129.1

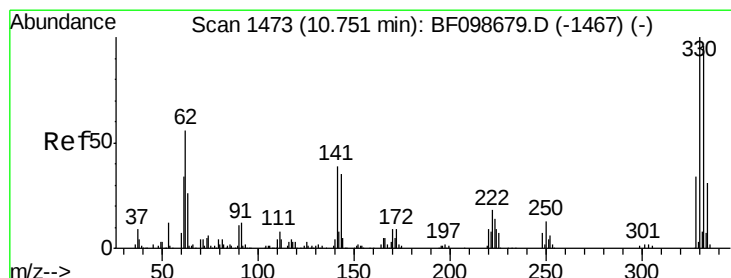
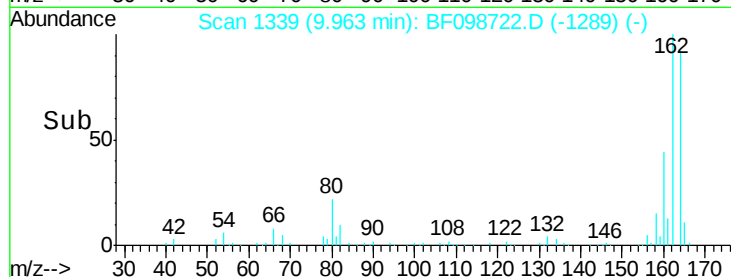
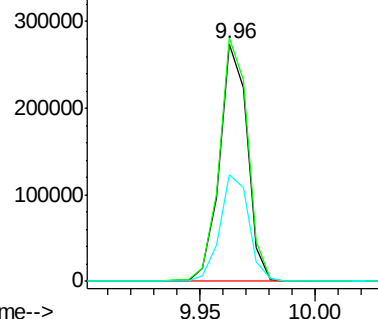
160 44.7 38.3 57.5



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: 99.69 ng

RT: 10.75 min Scan# 1473

Delta R.T. -0.00 min

Lab File: BF098722.D

Acq: 23 Sep 2017 3:24

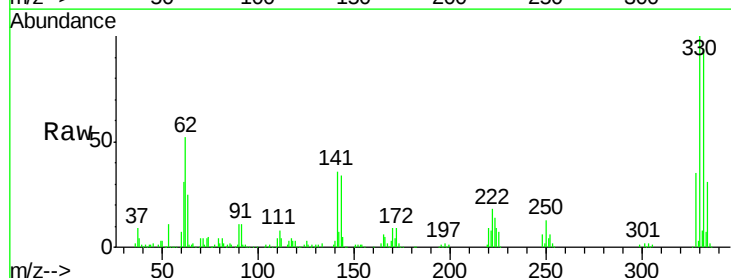
Tgt Ion:330 Resp: 210489

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

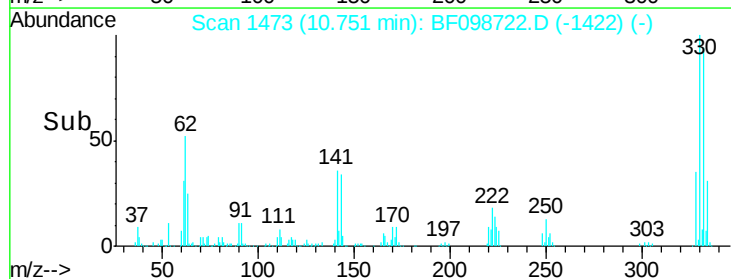
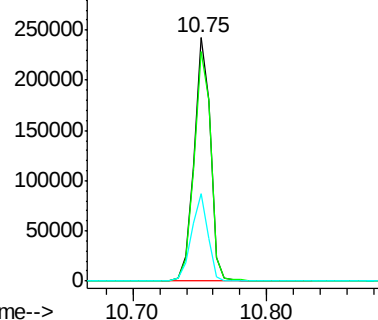
141 36.2 29.9 44.9

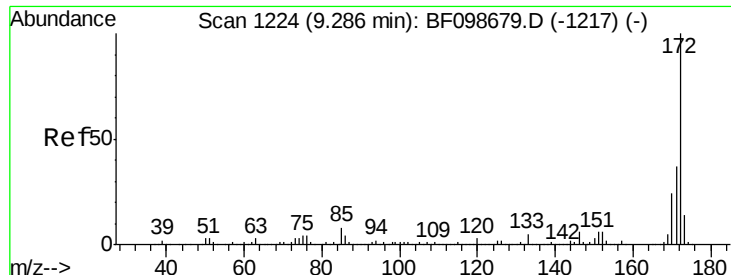


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

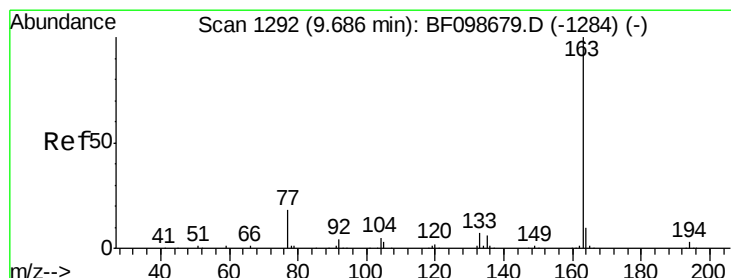
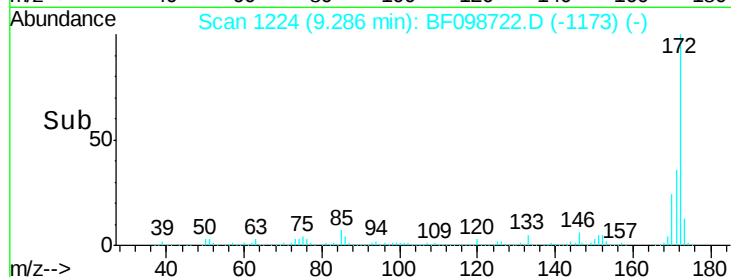
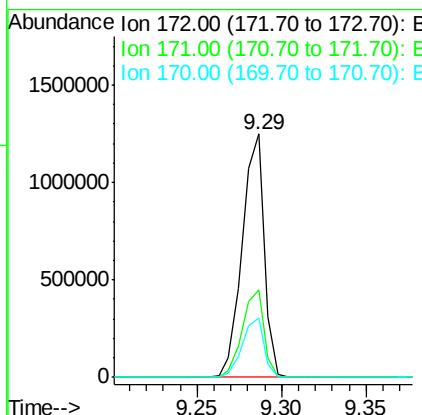
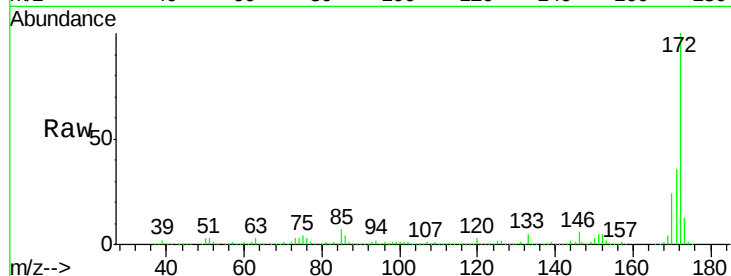




#44
2-Fluorobiphenyl
Concen: 78.50 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.00 min
Lab File: BF098722.D
Acq: 23 Sep 2017 3:24

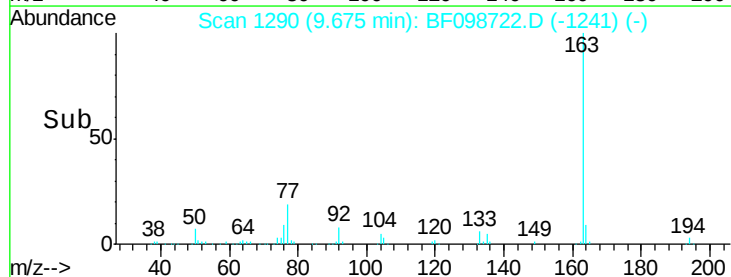
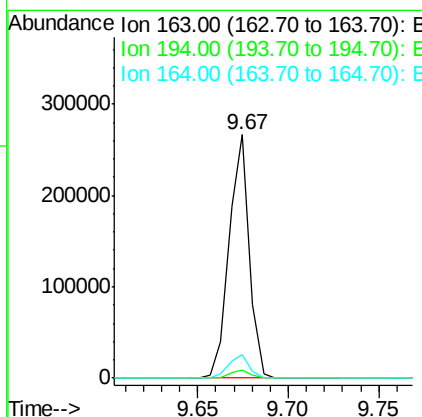
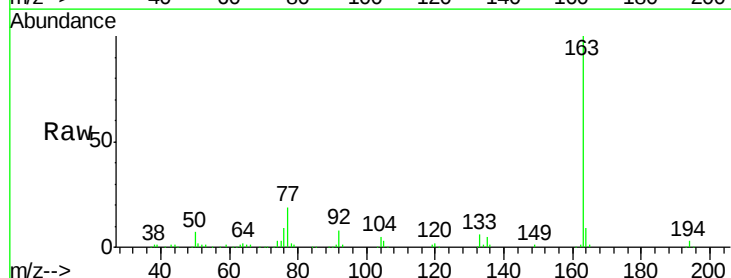
Instrument :
BNA_F
ClientSampleId :

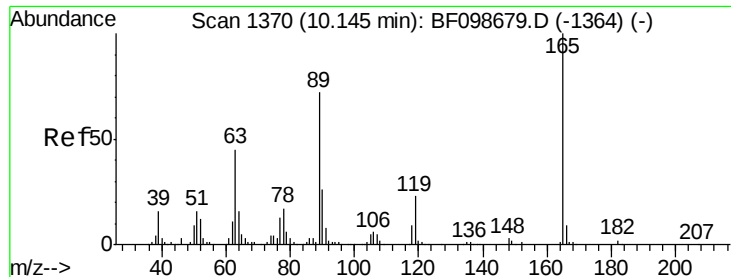
Tot Ion:172 Resp: 1138930
Ion Ratio Lower Upper
172 100
171 35.8 29.7 44.5
170 24.2 19.6 29.4



#49
Dimethylphthalate
Concen: 11.93 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BF098722.D
Acq: 23 Sep 2017 3:24

Tgt Ion:163 Resp: 206610
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 9.4 8.2 12.2

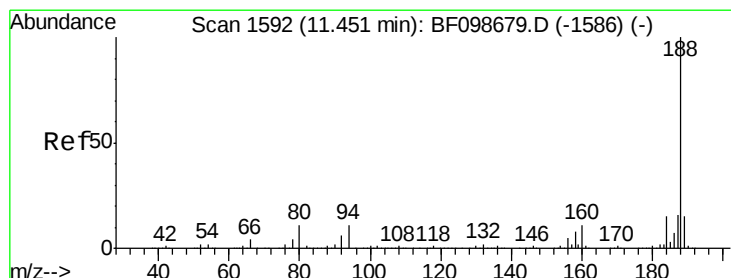
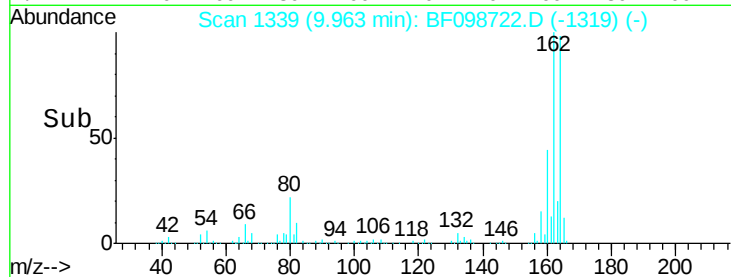
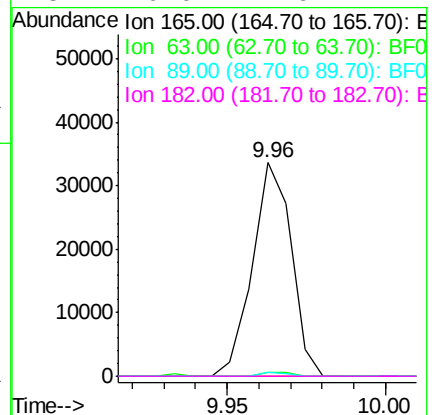
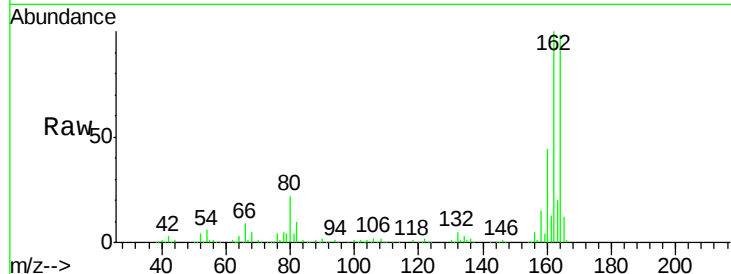




#56
 2,4-Dinitrotoluene
 Concen: 6.24 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. -0.18 min
 Lab File: BF098722.D
 Acq: 23 Sep 2017 3:24

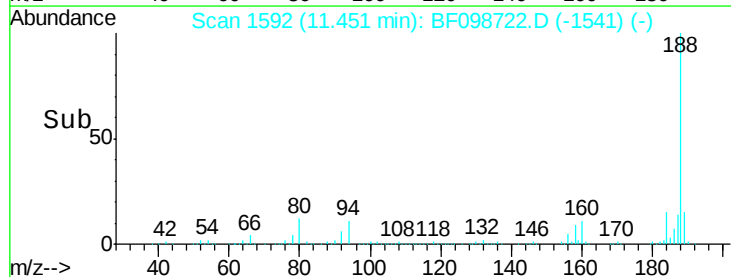
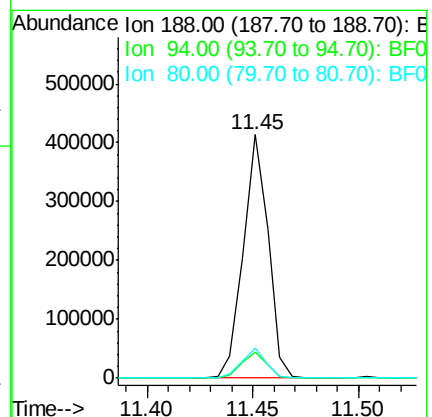
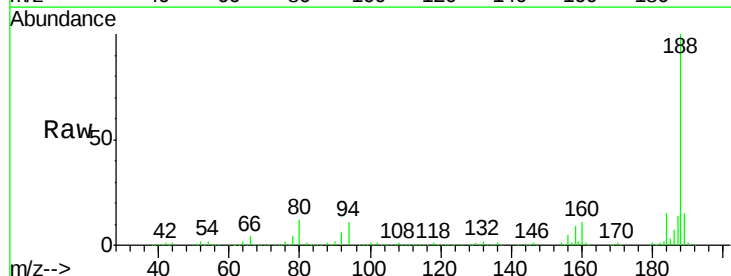
Instrument :
 BNA_F
 ClientSampleId :

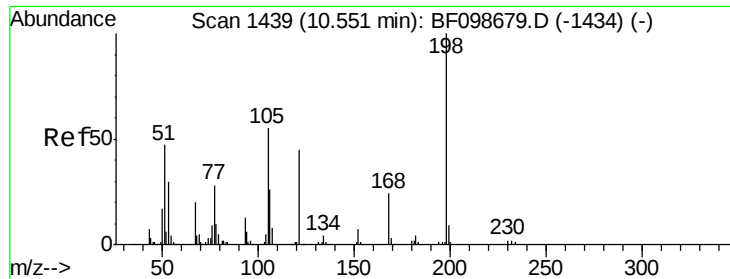
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: BF098722.D
 Acq: 23 Sep 2017 3:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.5	12.7
80	12.0	9.2	13.8

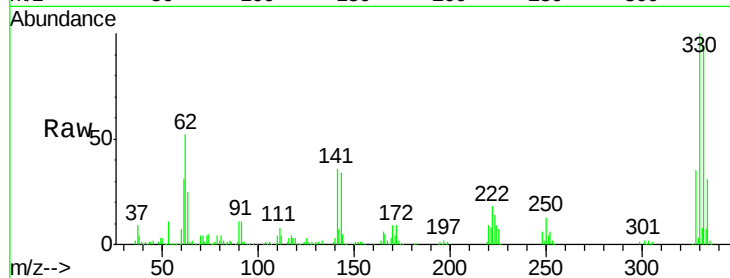




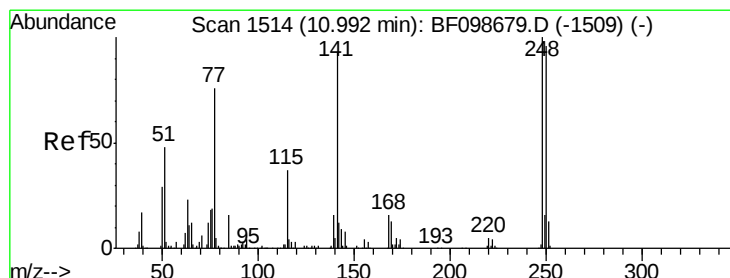
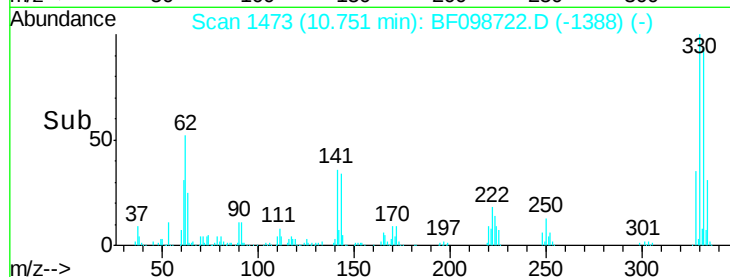
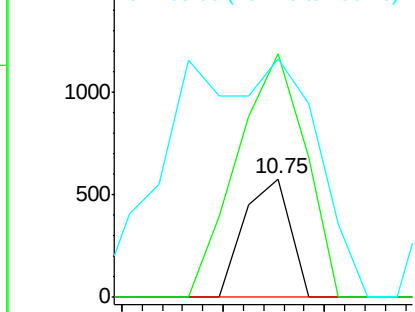
#64
4,6-Dinitro-2-methylphenol
Concen: 9.13 ng
RT: 10.75 min Scan# 1473
Delta R.T. 0.20 min
Lab File: BF098722.D
Acq: 23 Sep 2017 3:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 363
Ion Ratio Lower Upper
198 100
51 205.4 37.7 77.7#
105 201.0 36.3 76.3#

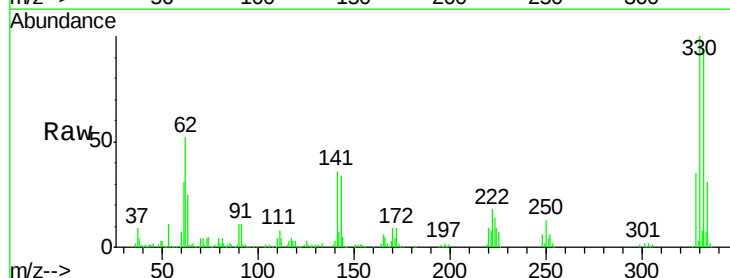


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

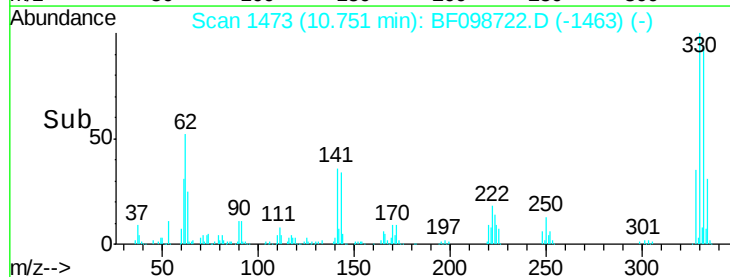
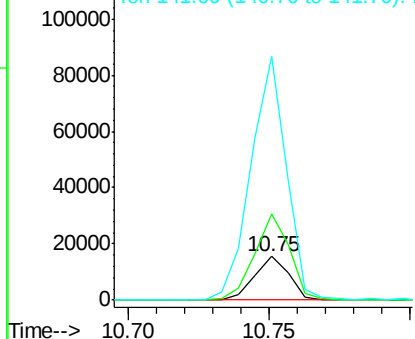


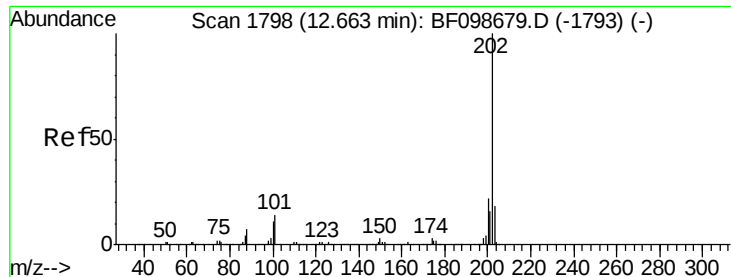
#66
4-Bromophenyl-phenylether
Concen: 3.86 ng
RT: 10.75 min Scan# 1473
Delta R.T. -0.24 min
Lab File: BF098722.D
Acq: 23 Sep 2017 3:24

Tgt Ion:248 Resp: 13036
Ion Ratio Lower Upper
248 100
250 199.9 76.9 115.3#
141 561.7 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: 2.72 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.00 min

Lab File: BF098722.D

Acq: 23 Sep 2017 3:24

Instrument :

BNA_F

ClientSampleId :

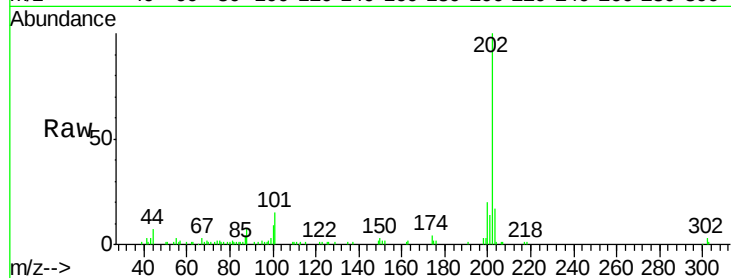
Tot Ion:202 Resp: 49103

Ion Ratio Lower Upper

202 100

101 14.7 0.0 34.1

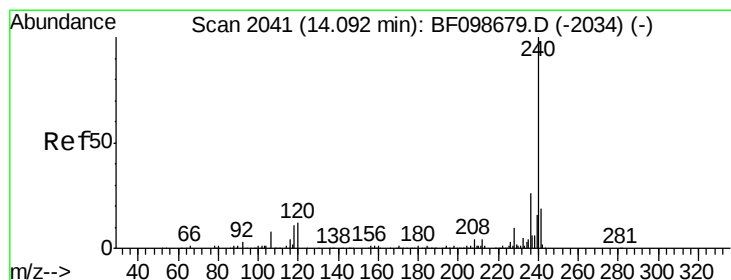
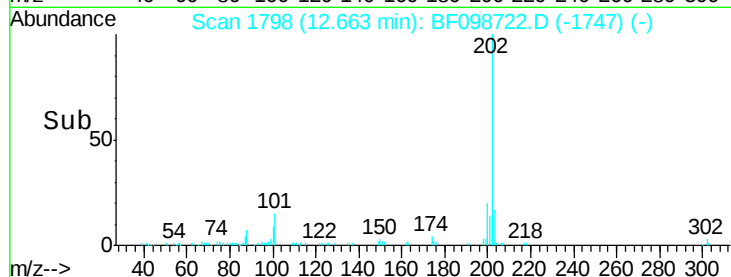
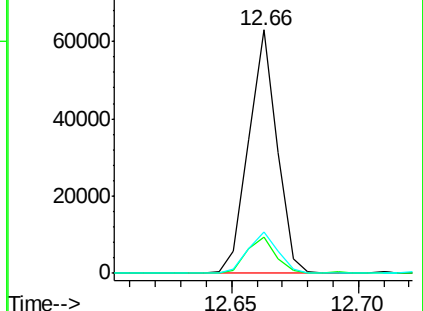
203 16.9 0.0 38.1



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: BF098722.D

Acq: 23 Sep 2017 3:24

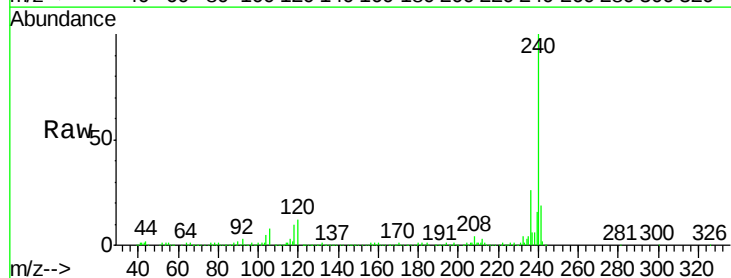
Tgt Ion:240 Resp: 293179

Ion Ratio Lower Upper

240 100

120 11.8 9.5 14.3

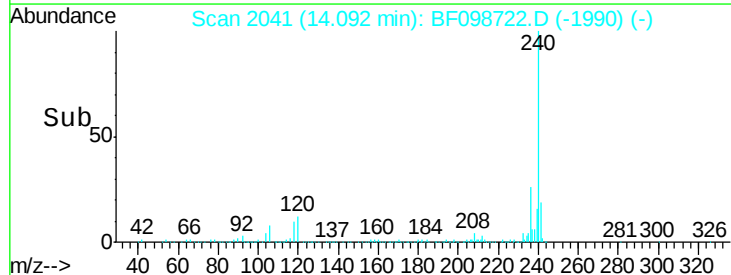
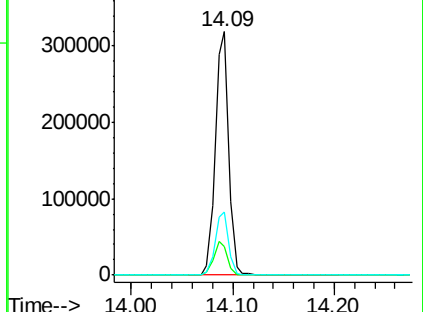
236 25.8 20.7 31.1

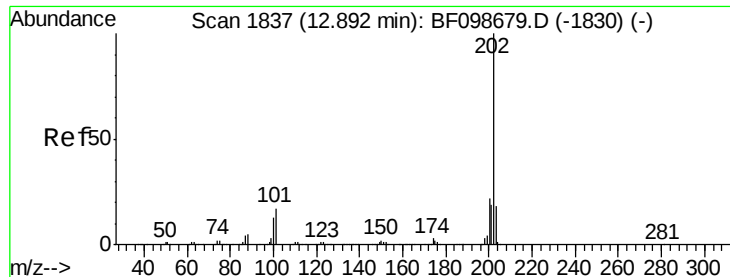


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.28 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.00 min

Lab File: BF098722.D

Acq: 23 Sep 2017 3:24

Instrument :

BNA_F

ClientSampleId :

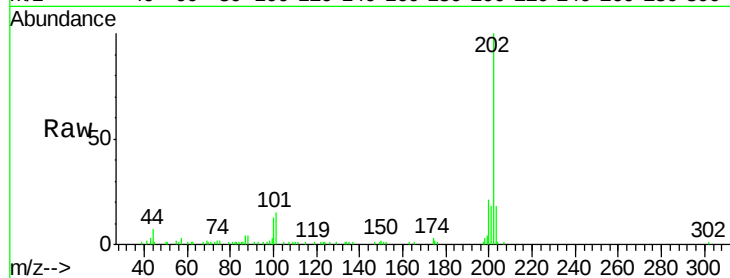
Tot Ion:202 Resp: 49712

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

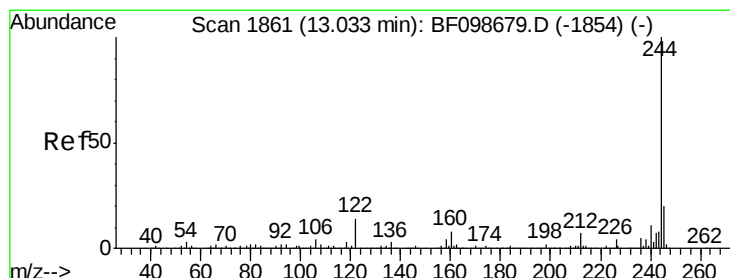
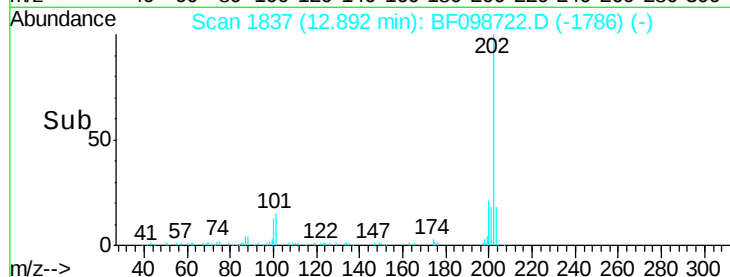
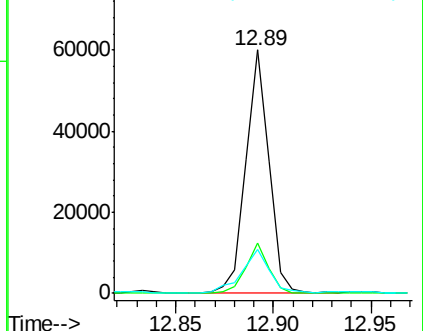
203 18.2 14.3 21.5



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: 58.50 ng

RT: 13.03 min Scan# 1861

Delta R.T. -0.00 min

Lab File: BF098722.D

Acq: 23 Sep 2017 3:24

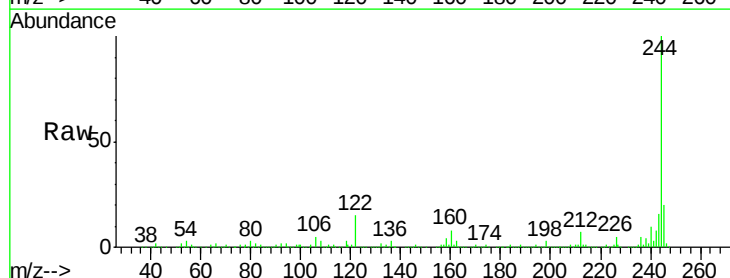
Tgt Ion:244 Resp: 798760

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

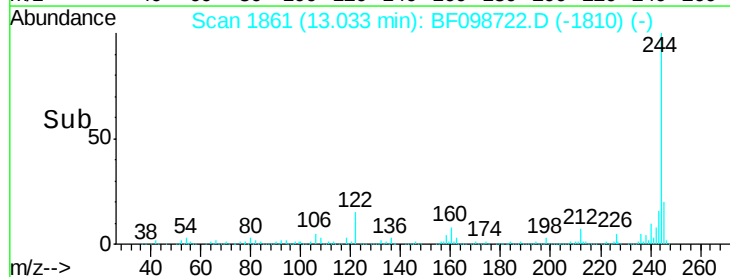
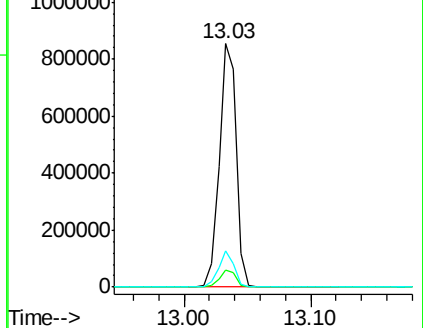
122 14.7 11.0 16.4

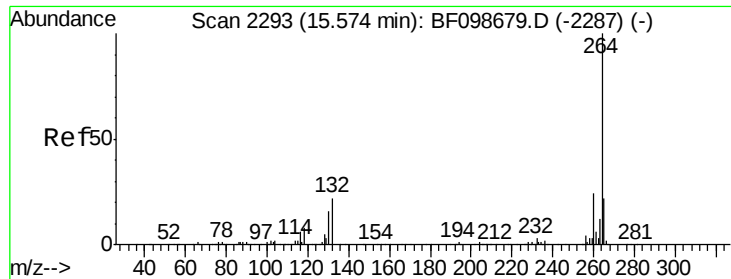


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

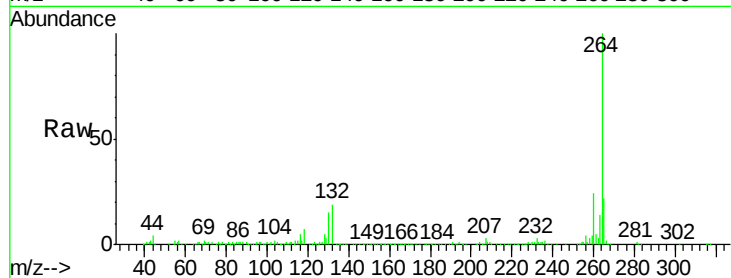




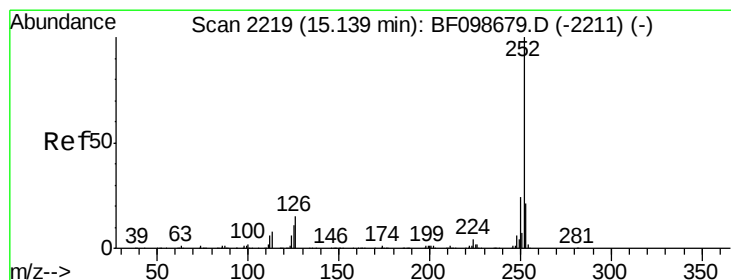
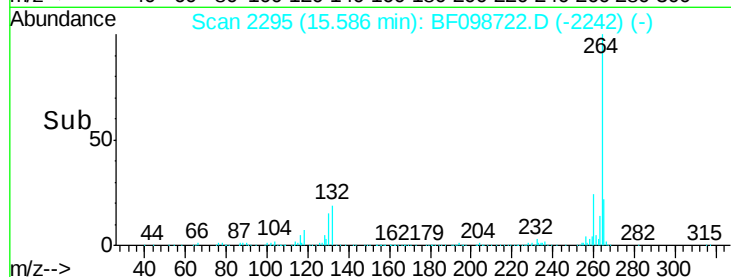
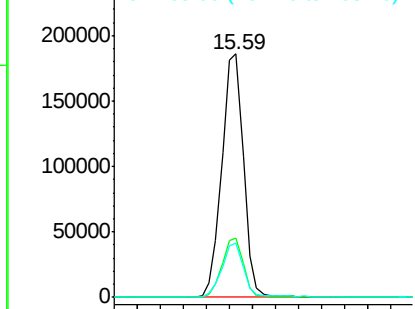
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.01 min
Lab File: BF098722.D
Acq: 23 Sep 2017 3:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 244097
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 22.3 17.5 26.3

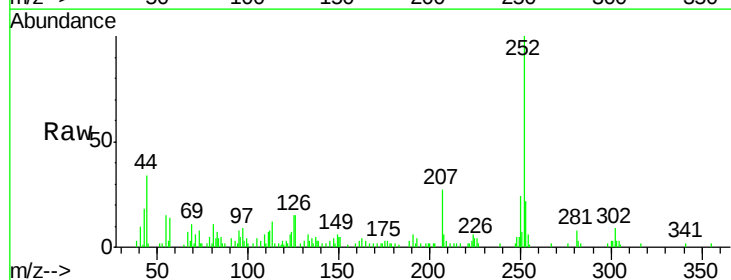


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

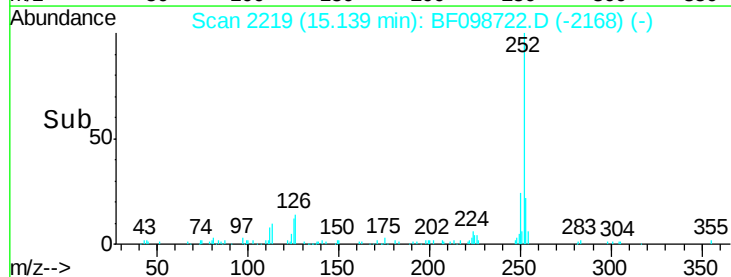
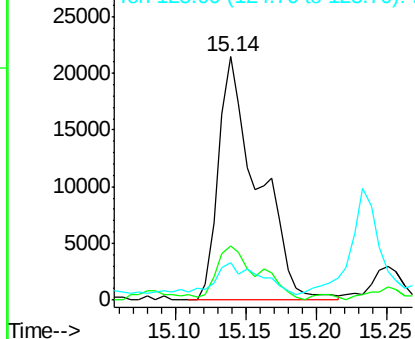


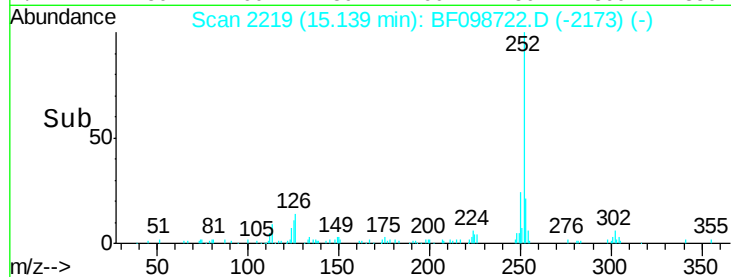
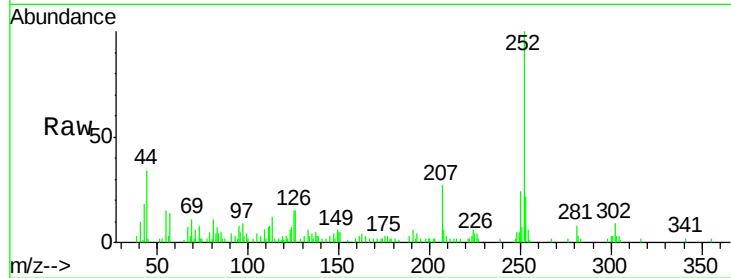
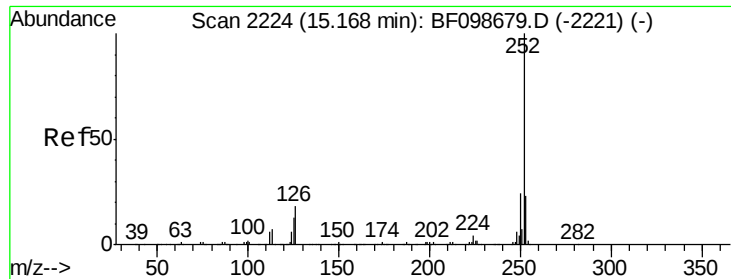
#87
Benzo(b)fluoranthene
Concen: 2.96 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.00 min
Lab File: BF098722.D
Acq: 23 Sep 2017 3:24

Tgt Ion:252 Resp: 41911
Ion Ratio Lower Upper
252 100
253 22.1 17.0 25.6
125 15.4 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 2.96 ng

RT: 15.14 min Scan# 2219

Delta R.T. -0.03 min

Lab File: BF098722.D

Acq: 23 Sep 2017 3:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	41911
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.9	26.9
125	15.4	10.2	15.2#

