

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
 Data File : BF098720.D
 Acq On : 23 Sep 2017 2:27
 Operator : SJ/JU
 Sample : I5308-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 23 04:52:22 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

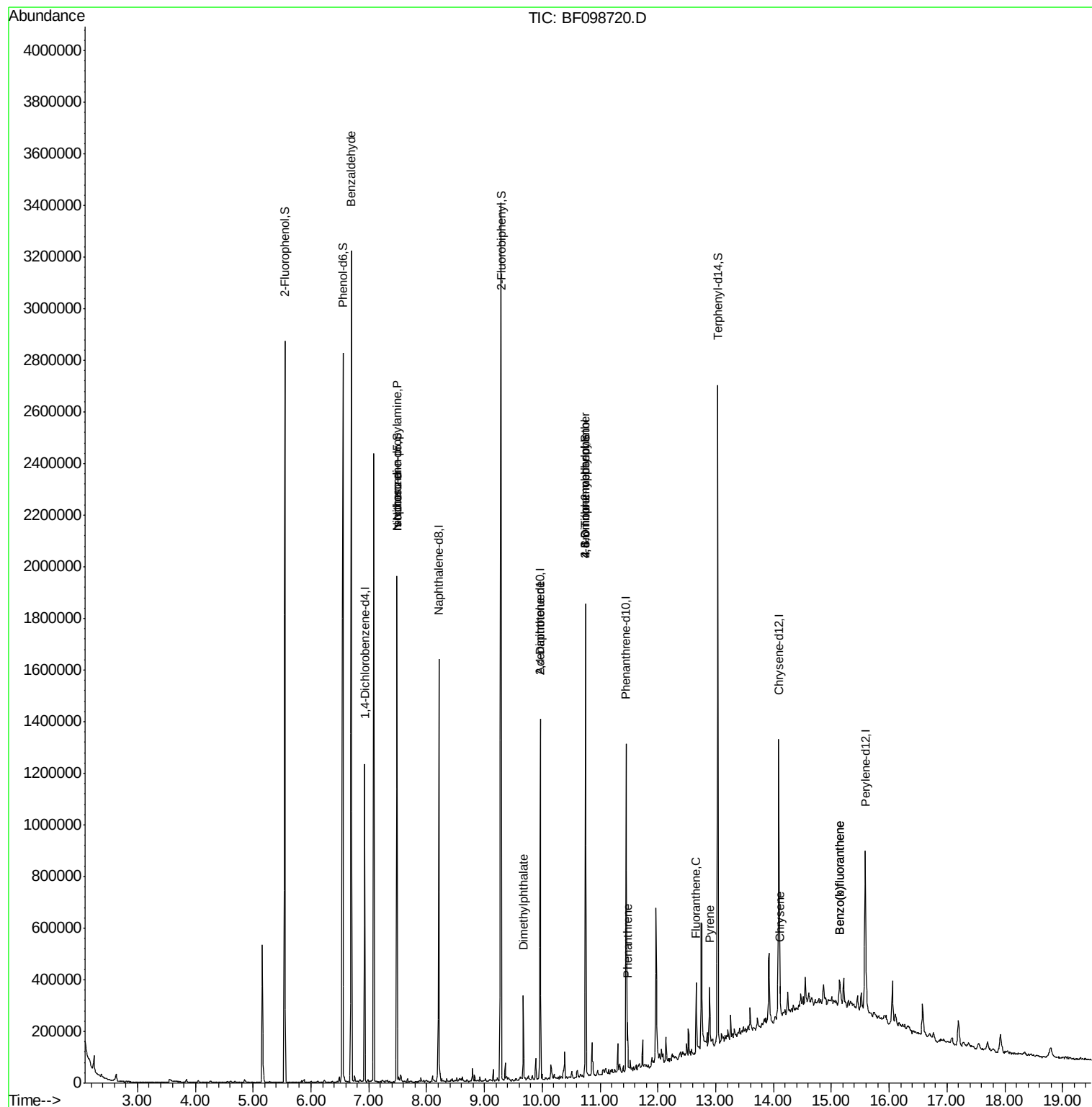
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	160857	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	660293	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	272970	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	394864	20.00	ng	0.00
75) Chrysene-d12	14.09	240	352012	20.00	ng	0.00
86) Perylene-d12	15.59	264	288350	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	866488	81.80	ng	0.00
7) Phenol-d6	6.55	99	1133658	88.38	ng	0.00
23) Nitrobenzene-d5	7.49	82	678615	69.71	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	195045	78.13	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	1079875	62.95	ng	0.00
78) Terphenyl-d14	13.03	244	817157	49.85	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.70	77	19509	2.71	ng	82
19) n-Nitroso-di-n-propylamine	7.49	70	90707	11.41	ng	# 78
25) Isophorone	7.49	82	677839	31.93	ng	# 64
49) Dimethylphthalate	9.67	163	113739	5.56	ng	100
56) 2,4-Dinitrotoluene	9.96	165	34264	6.31	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.75	198	421	9.12	ng	# 1
66) 4-Bromophenyl-phenylether	10.75	248	12295	3.08	ng	# 1
70) Phenanthrene	11.47	178	59398	2.77	ng	97
74) Fluoranthene	12.66	202	79931	3.74	ng	99
77) Pyrene	12.89	202	77447	2.96	ng	98
82) Chrysene	14.12	228	45875	2.24	ng	95
87) Benzo(b)fluoranthene	15.14	252	59911	3.58	ng	# 88
88) Benzo(k)fluoranthene	15.14	252	59911	3.59	ng	# 91

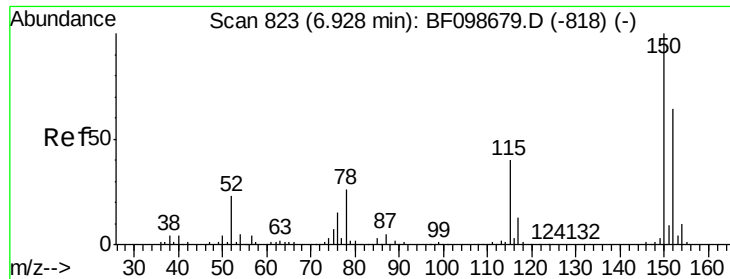
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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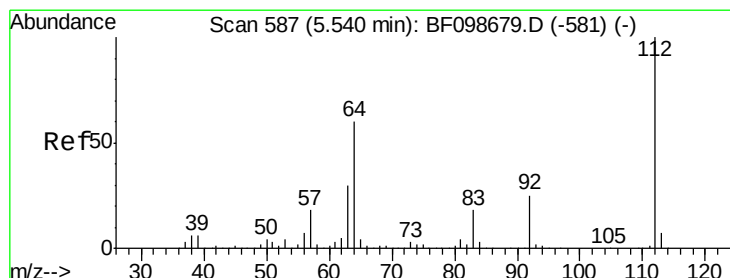
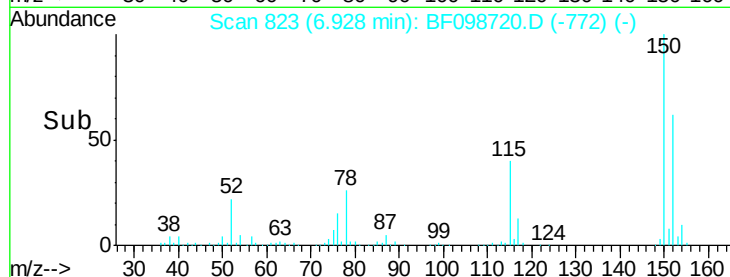
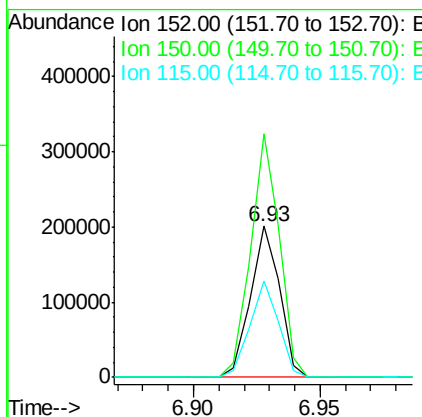
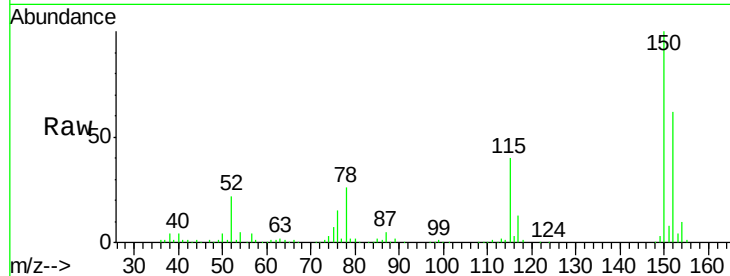


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.00 min
Lab File: BF098720.D
Acq: 23 Sep 2017 2:27

Instrument :
BNA_F
ClientSampleId :

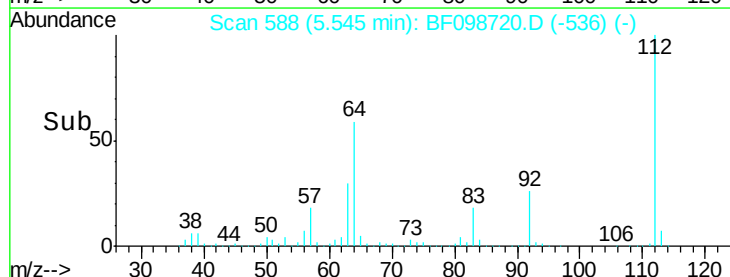
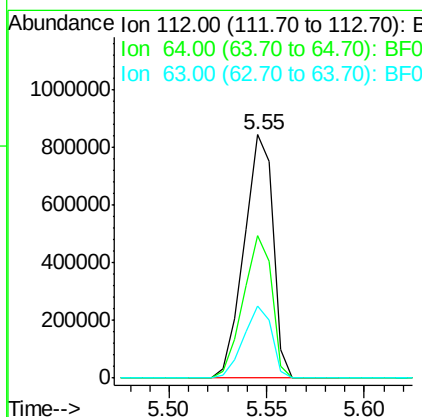
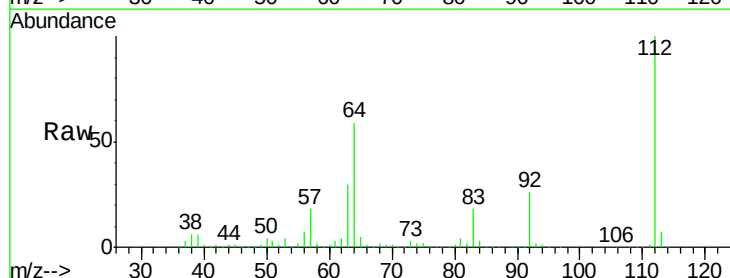
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.9	124.6	186.8
115	63.8	50.1	75.1

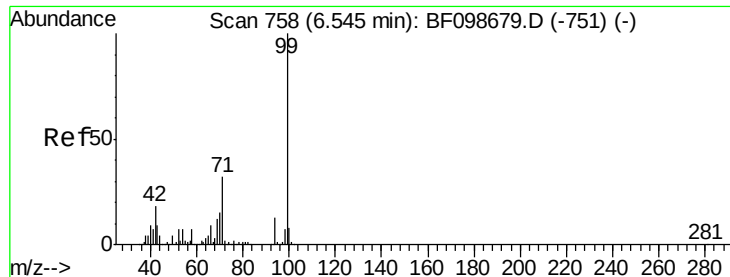


#5

2-Fluorophenol
Concen: 81.80 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.01 min
Lab File: BF098720.D
Acq: 23 Sep 2017 2:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	47.9	71.9
63	29.6	23.7	35.5





#7

Phenol-d6

Concen: 88.38 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.01 min

Lab File: BF098720.D

Acq: 23 Sep 2017 2:27

Instrument :

BNA_F

ClientSampled :

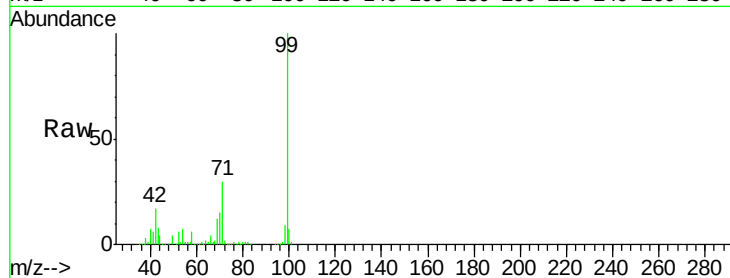
Tot Ion: 99 Resp: 1133658

Ion Ratio Lower Upper

99 100

42 16.8 14.5 21.7

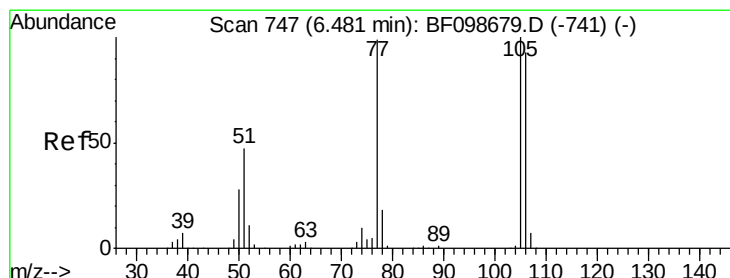
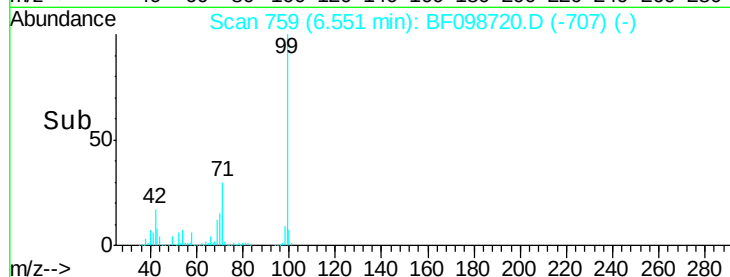
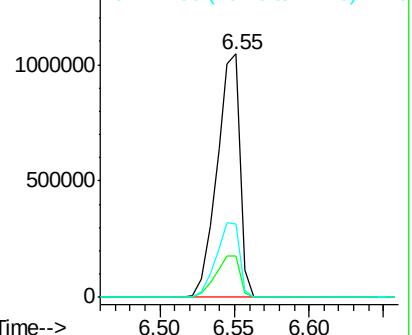
71 30.2 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.71 ng

RT: 6.70 min Scan# 784

Delta R.T. 0.22 min

Lab File: BF098720.D

Acq: 23 Sep 2017 2:27

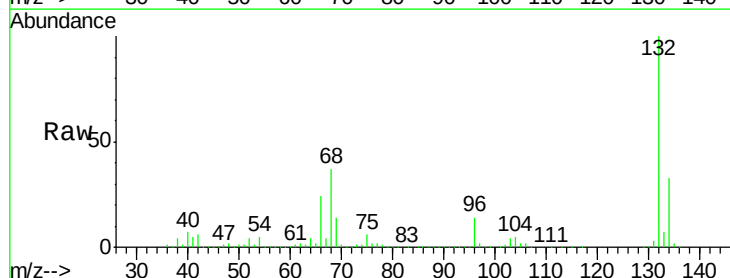
Tgt Ion: 77 Resp: 19509

Ion Ratio Lower Upper

77 100

105 83.8 81.1 121.1

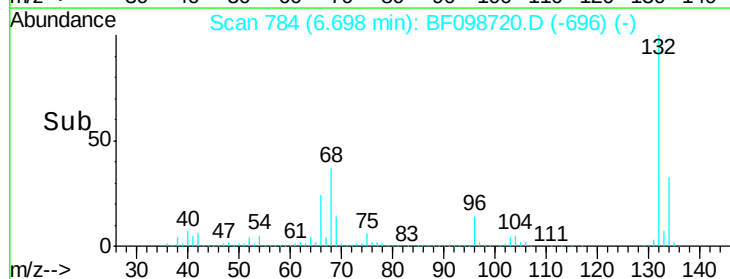
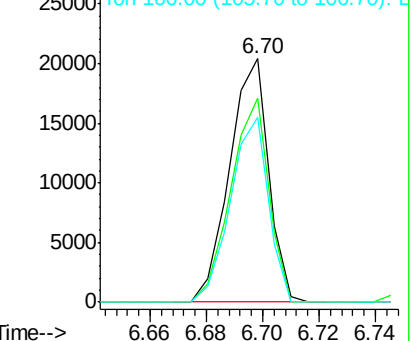
106 76.0 74.5 114.5

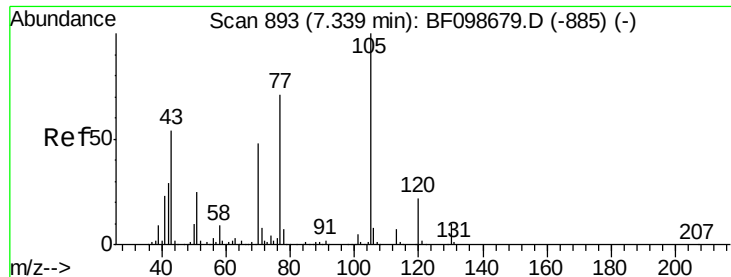


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

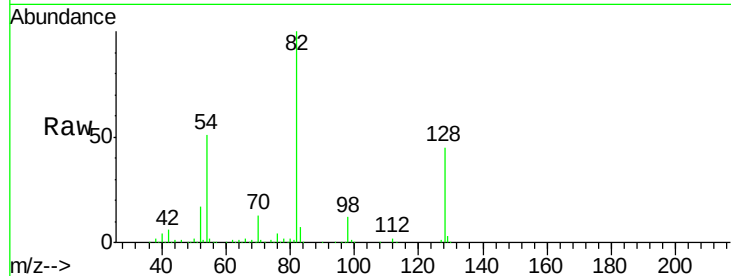




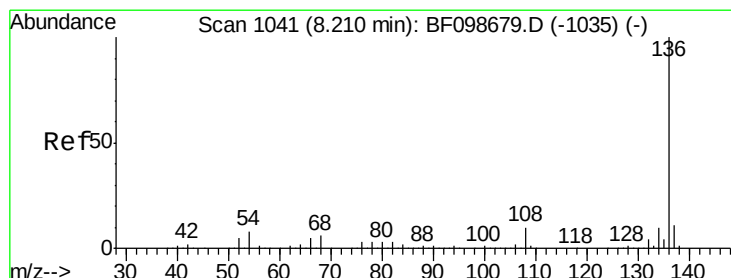
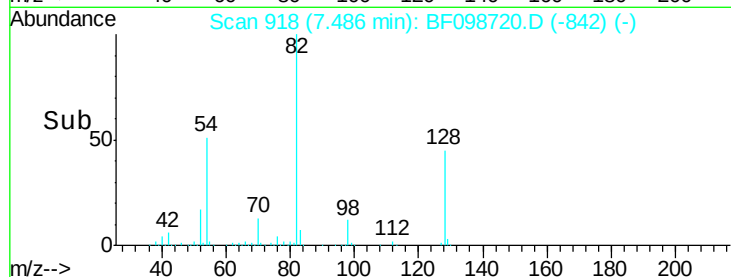
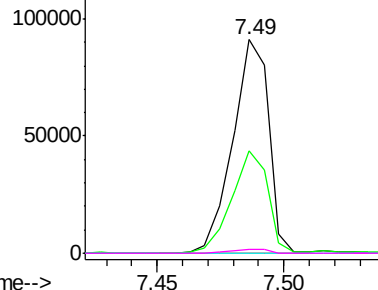
#19
n-Nitroso-di-n-propylamine
Concen: 11.41 ng
RT: 7.49 min Scan# 918
Delta R.T. 0.15 min
Lab File: BF098720.D
Acq: 23 Sep 2017 2:27

Instrument :
BNA_F
ClientSampled :

Tot Ion: 70 Resp: 90707
Ion Ratio Lower Upper
70 100
42 47.8 47.5 71.3
101 0.0 7.4 11.2#
130 2.0 16.6 25.0#

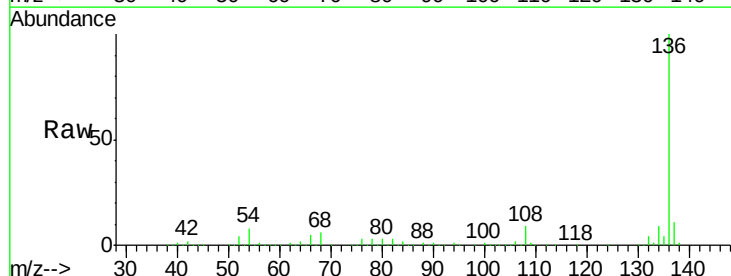


Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

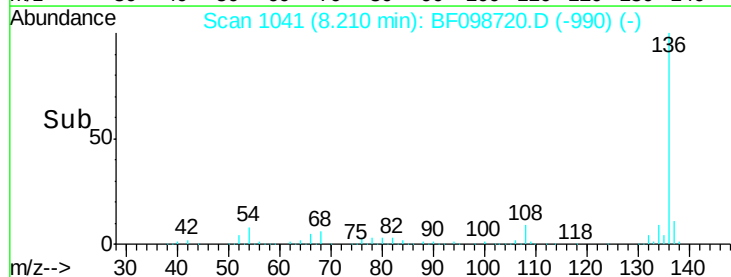
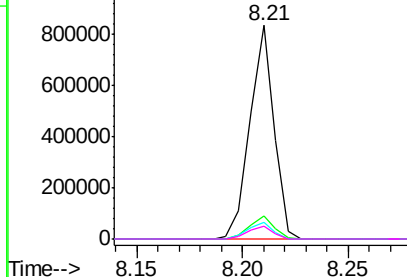


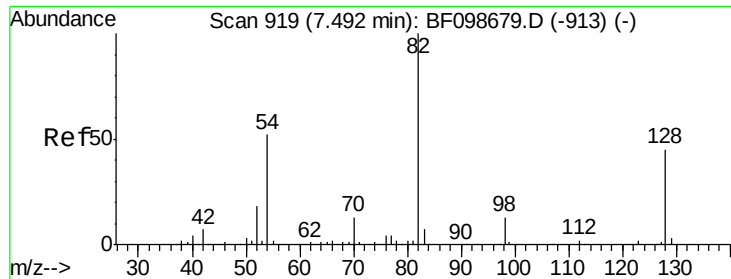
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BF098720.D
Acq: 23 Sep 2017 2:27

Tgt Ion: 136 Resp: 660293
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.7 6.6 9.8
68 6.0 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

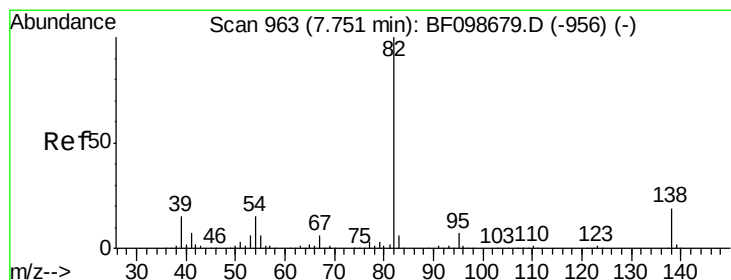
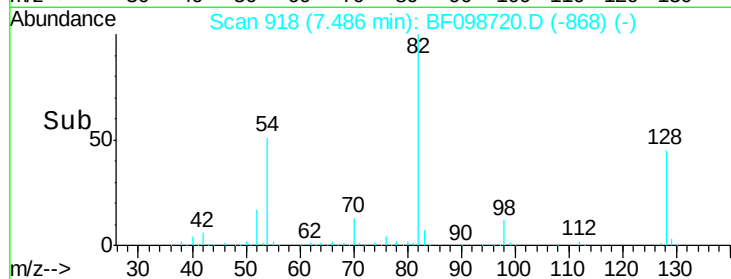
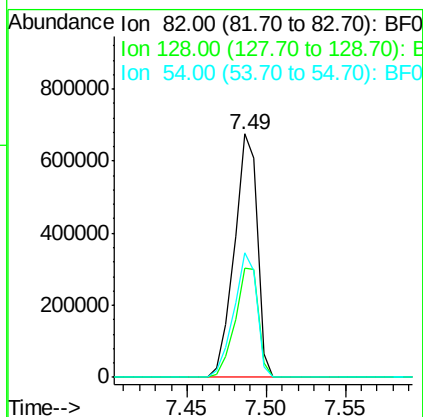
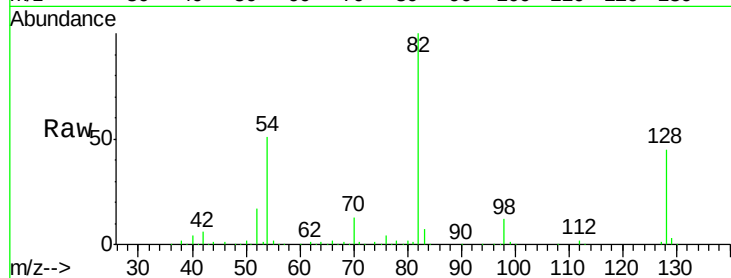




#23
Nitrobenzene-d5
Concen: 69.71 ng
RT: 7.49 min Scan# 918
Delta R.T. -0.01 min
Lab File: BF098720.D
Acq: 23 Sep 2017 2:27

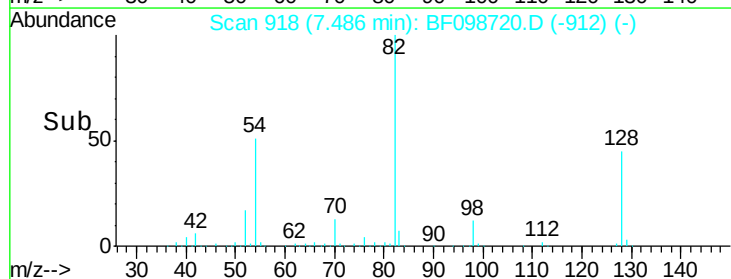
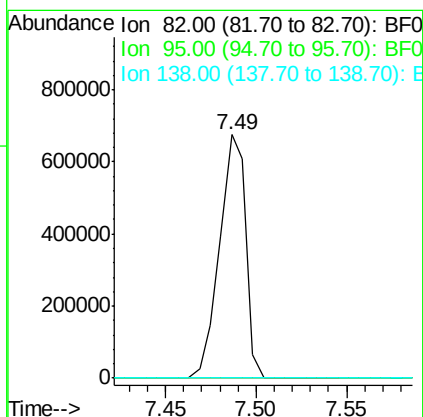
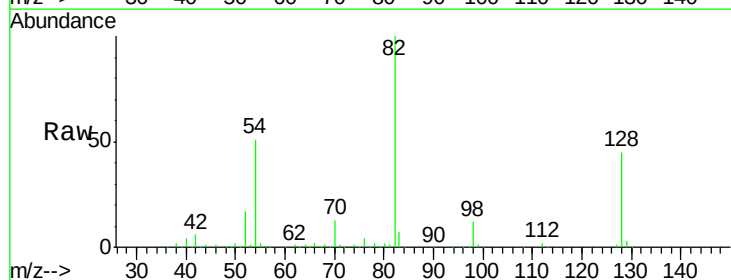
Instrument :
BNA_F
ClientSampleId :

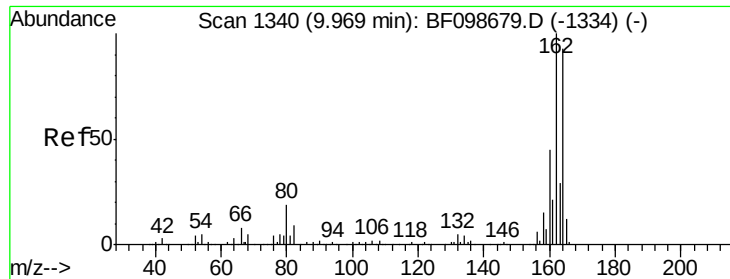
Tot Ion: 82 Resp: 678615
Ion Ratio Lower Upper
82 100
128 44.7 36.1 54.1
54 51.0 41.4 62.2



#25
Isophorone
Concen: 31.93 ng
RT: 7.49 min Scan# 918
Delta R.T. -0.26 min
Lab File: BF098720.D
Acq: 23 Sep 2017 2:27

Tgt Ion: 82 Resp: 677839
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: BF098720.D

Acq: 23 Sep 2017 2:27

Instrument :

BNA_F

ClientSampleId :

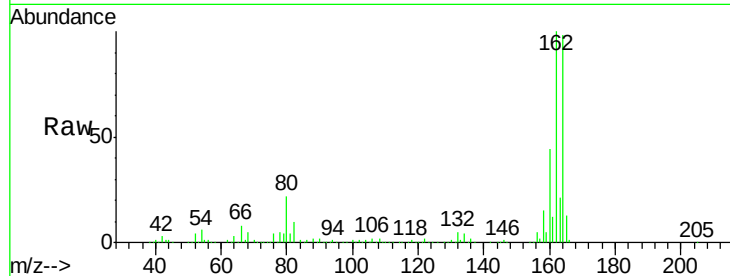
Tot Ion:164 Resp: 272970

Ion Ratio Lower Upper

164 100

162 102.5 86.1 129.1

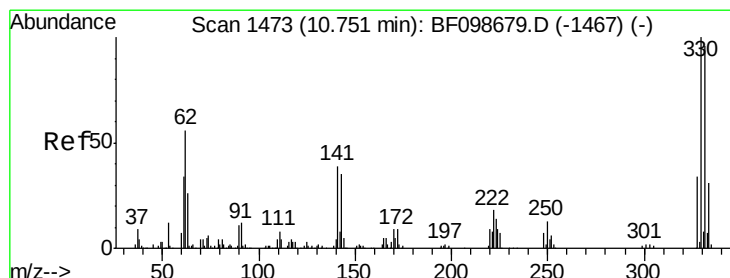
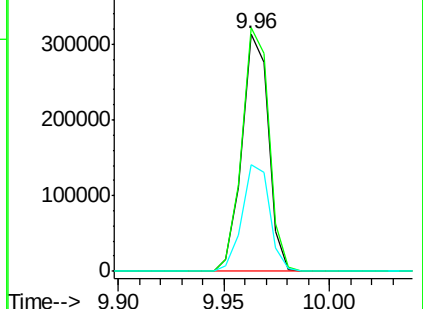
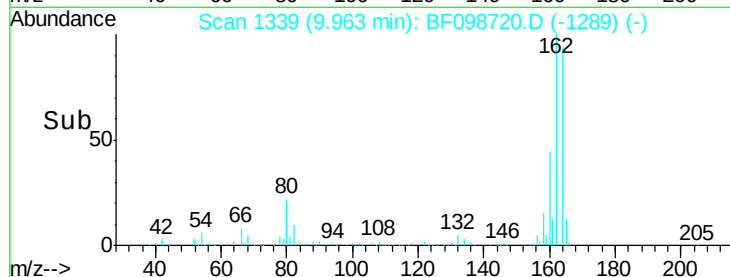
160 44.9 38.3 57.5



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: 78.13 ng

RT: 10.75 min Scan# 1473

Delta R.T. -0.00 min

Lab File: BF098720.D

Acq: 23 Sep 2017 2:27

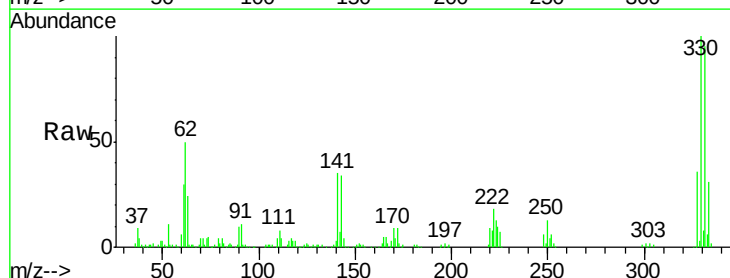
Tgt Ion:330 Resp: 195045

Ion Ratio Lower Upper

330 100

332 94.9 77.0 115.6

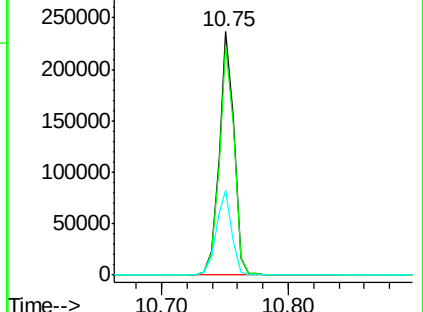
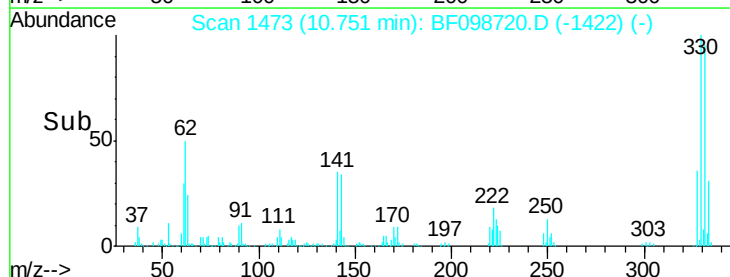
141 36.9 29.9 44.9

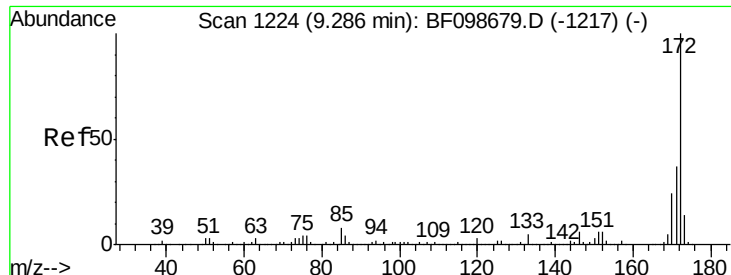


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

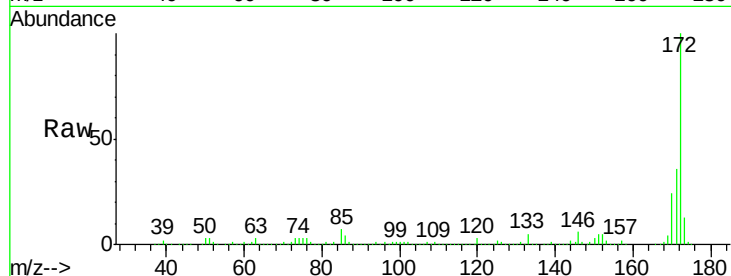




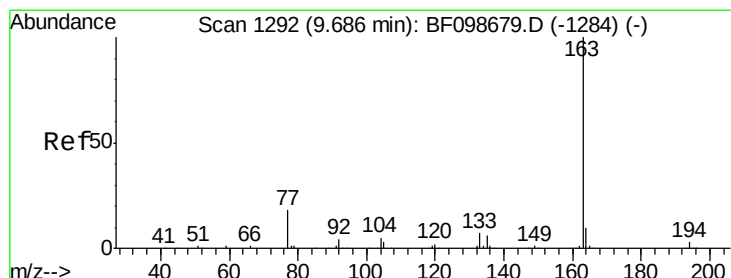
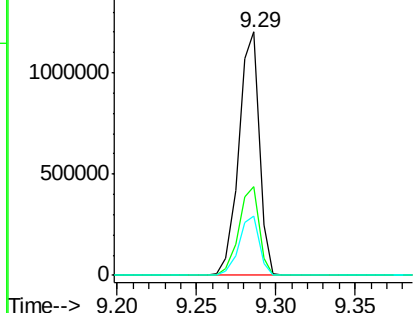
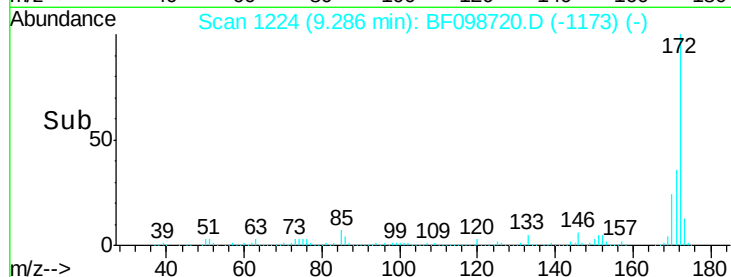
#44
2-Fluorobiphenyl
Concen: 62.95 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.00 min
Lab File: BF098720.D
Acq: 23 Sep 2017 2:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1079875
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 24.1 19.6 29.4

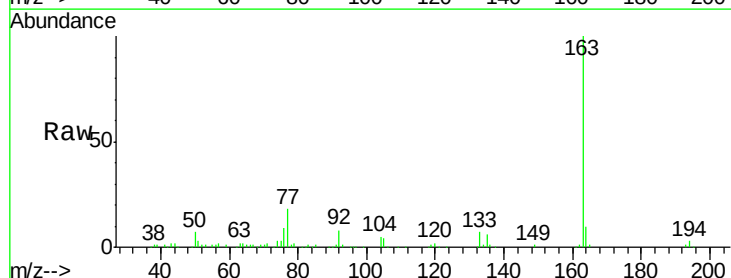


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

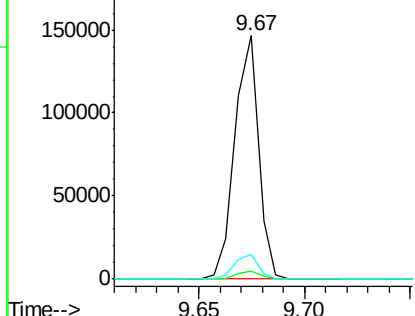
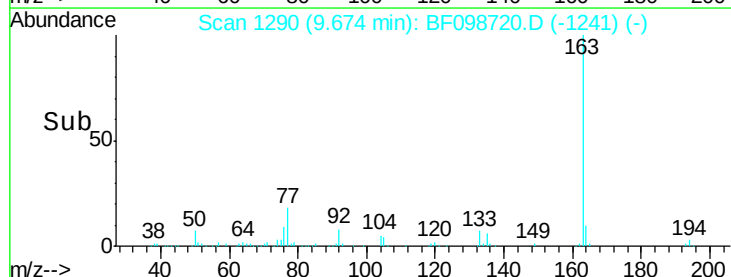


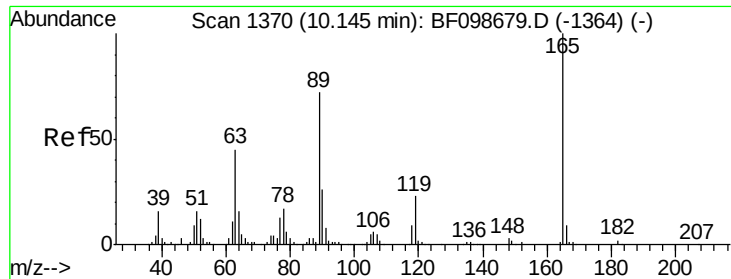
#49
Dimethylphthalate
Concen: 5.56 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BF098720.D
Acq: 23 Sep 2017 2:27

Tgt Ion:163 Resp: 113739
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.4 8.2 12.2



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

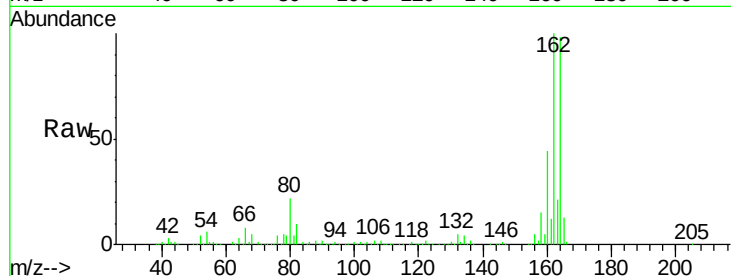




#56
 2,4-Dinitrotoluene
 Concen: 6.31 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. -0.18 min
 Lab File: BF098720.D
 Acq: 23 Sep 2017 2:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#



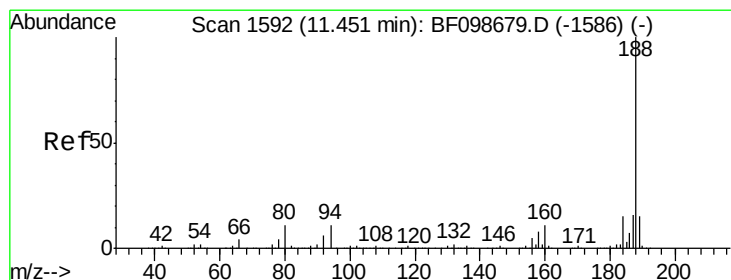
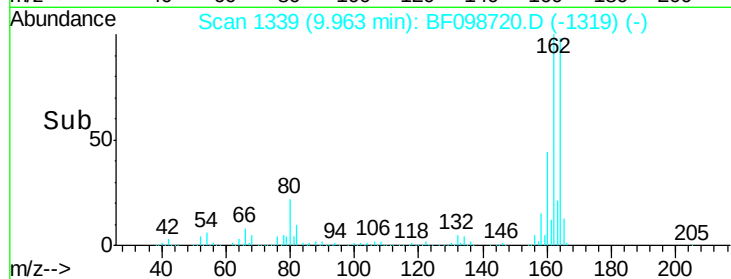
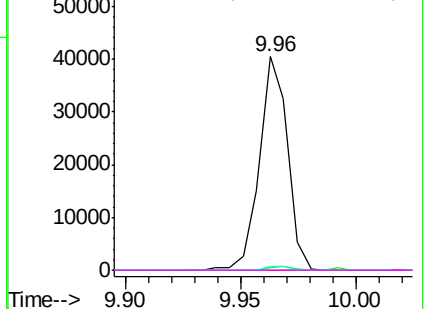
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

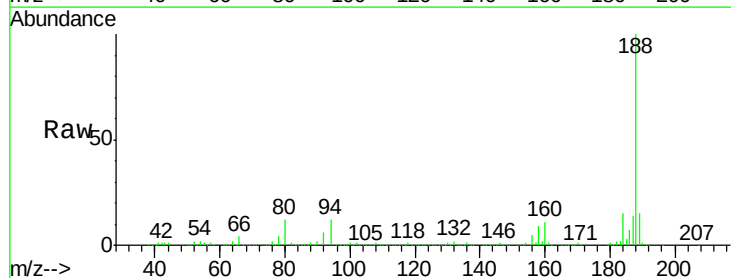
Ion 89.00 (88.70 to 89.70): BF0

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: BF098720.D
 Acq: 23 Sep 2017 2:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.7	8.5	12.7
80	12.1	9.2	13.8

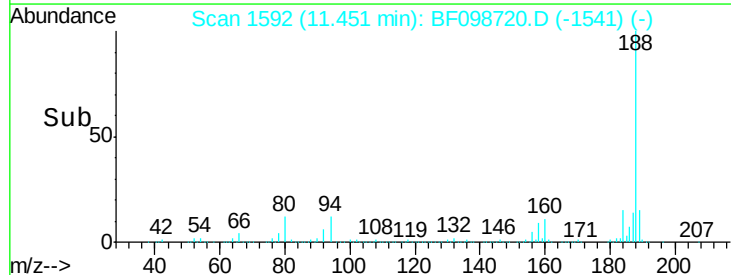
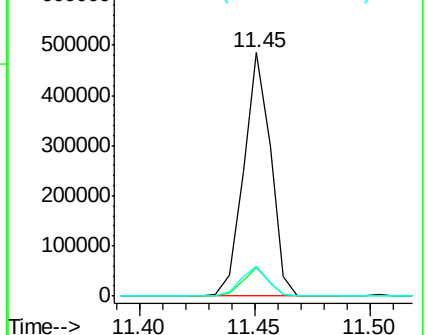


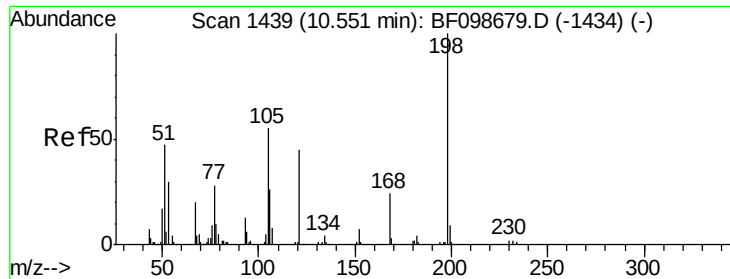
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

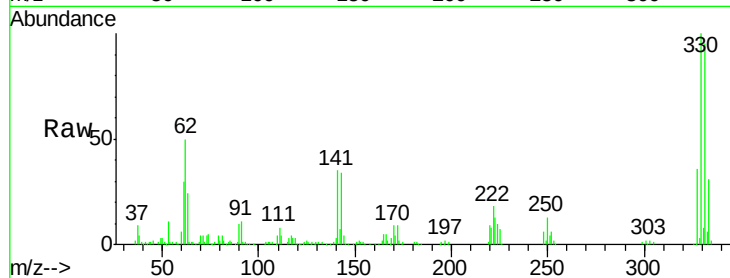




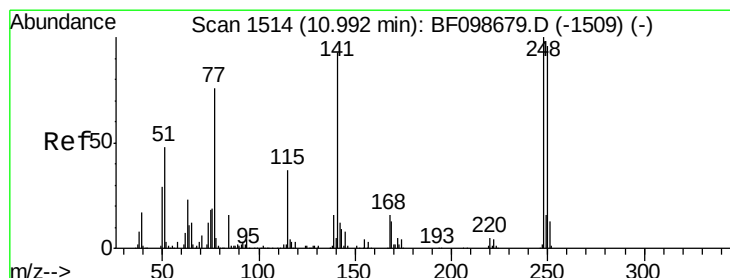
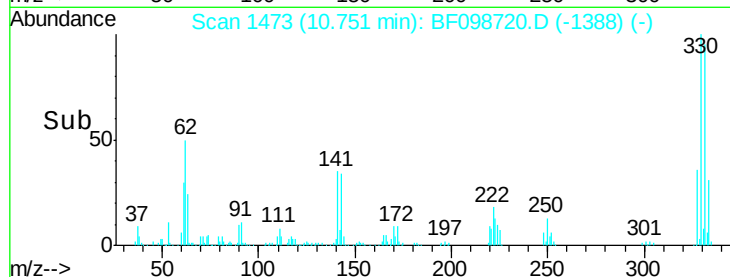
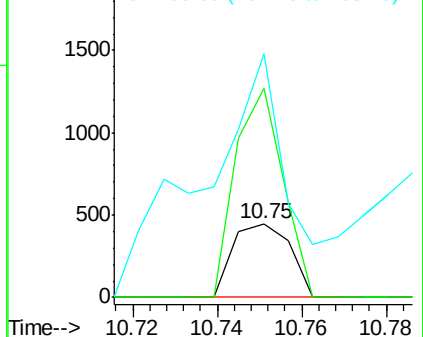
#64
4,6-Dinitro-2-methylphenol
Concen: 9.12 ng
RT: 10.75 min Scan# 1473
Delta R.T. 0.20 min
Lab File: BF098720.D
Acq: 23 Sep 2017 2:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 421
Ion Ratio Lower Upper
198 100
51 281.6 37.7 77.7#
105 328.7 36.3 76.3#

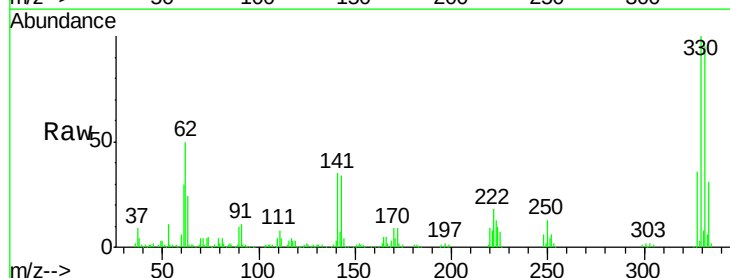


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

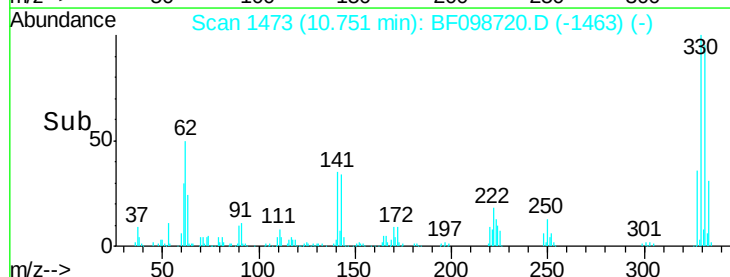
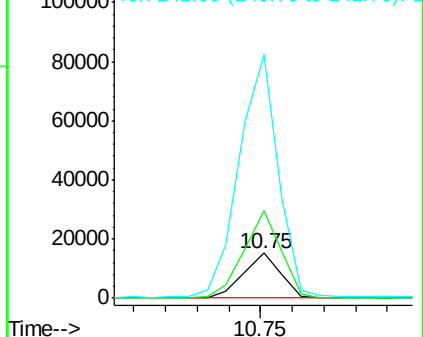


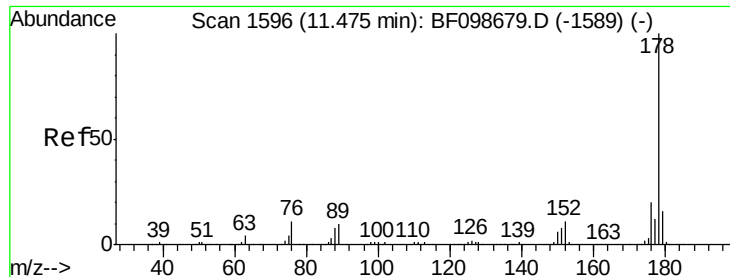
#66
4-Bromophenyl-phenylether
Concen: 3.08 ng
RT: 10.75 min Scan# 1473
Delta R.T. -0.24 min
Lab File: BF098720.D
Acq: 23 Sep 2017 2:27

Tgt Ion:248 Resp: 12295
Ion Ratio Lower Upper
248 100
250 194.6 76.9 115.3#
141 539.3 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





#70

Phenanthrene

Concen: 2.77 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.00 min

Lab File: BF098720.D

Acq: 23 Sep 2017 2:27

Instrument :

BNA_F

ClientSampleId :

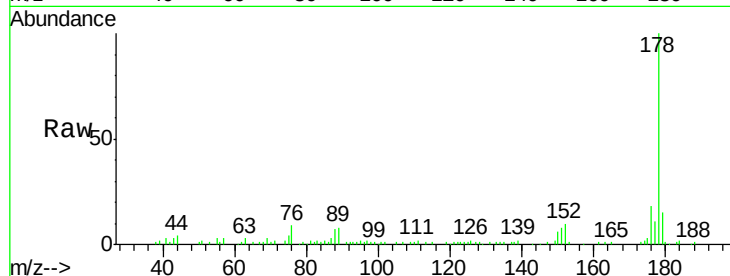
Tot Ion:178 Resp: 59398

Ion Ratio Lower Upper

178 100

176 18.2 15.8 23.8

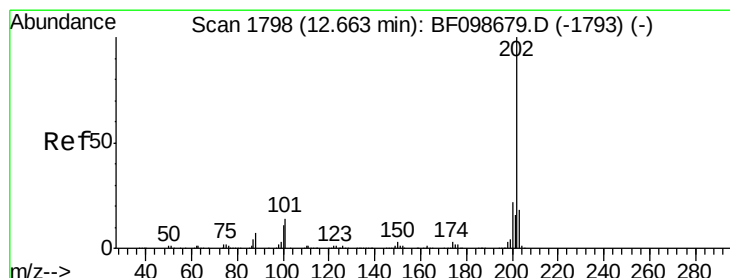
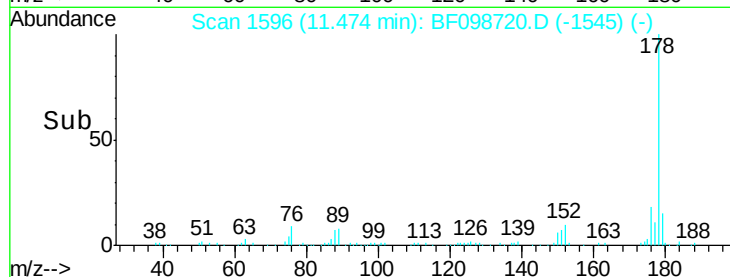
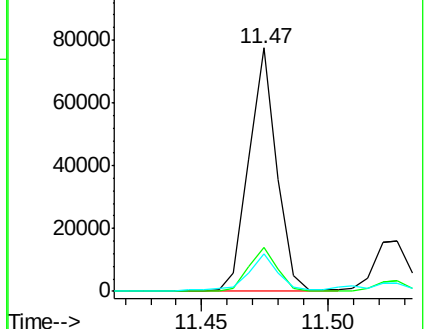
179 15.4 13.0 19.6



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



#74

Fluoranthene

Concen: 3.74 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.00 min

Lab File: BF098720.D

Acq: 23 Sep 2017 2:27

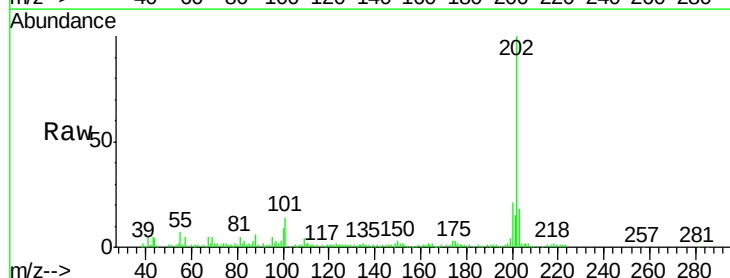
Tgt Ion:202 Resp: 79931

Ion Ratio Lower Upper

202 100

101 14.4 0.0 34.1

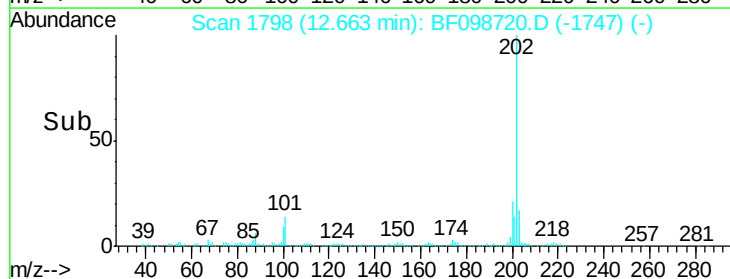
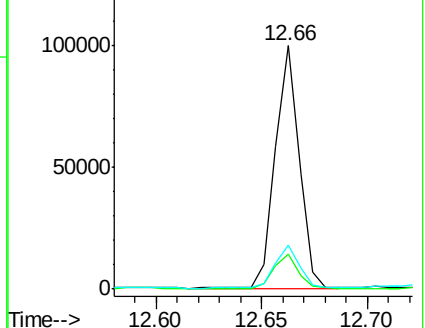
203 17.9 0.0 38.1

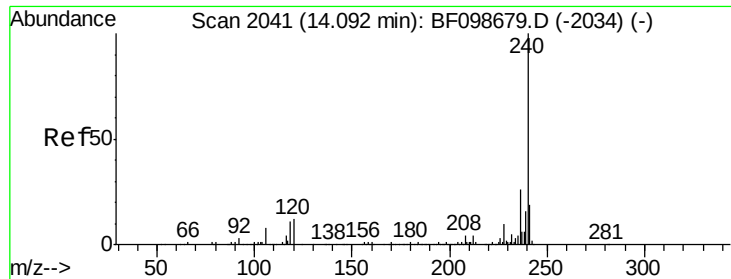


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF098720.D

Acq: 23 Sep 2017 2:27

Instrument :

BNA_F

ClientSampleId :

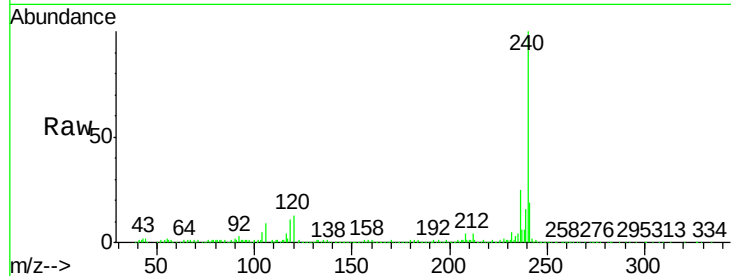
Tot Ion:240 Resp: 352012

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

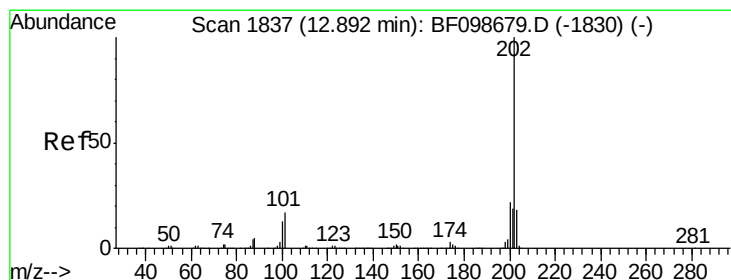
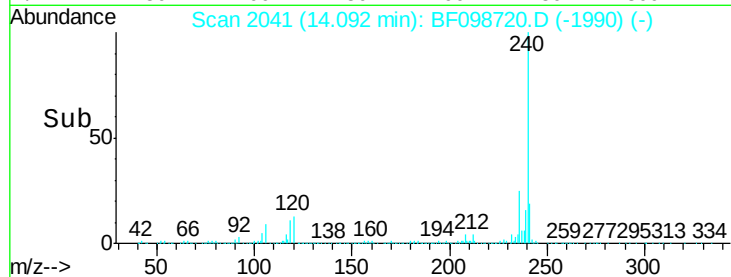
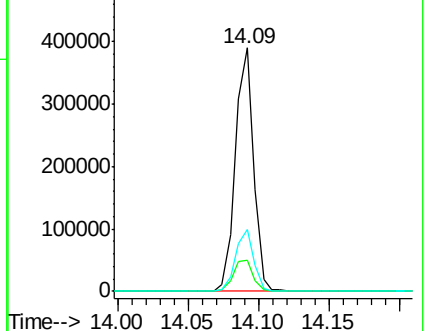
236 25.5 20.7 31.1



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: 2.96 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.00 min

Lab File: BF098720.D

Acq: 23 Sep 2017 2:27

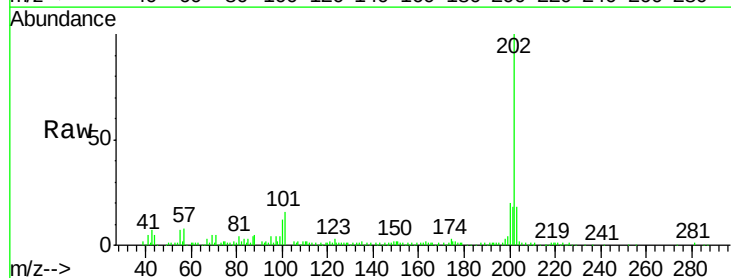
Tgt Ion:202 Resp: 77447

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

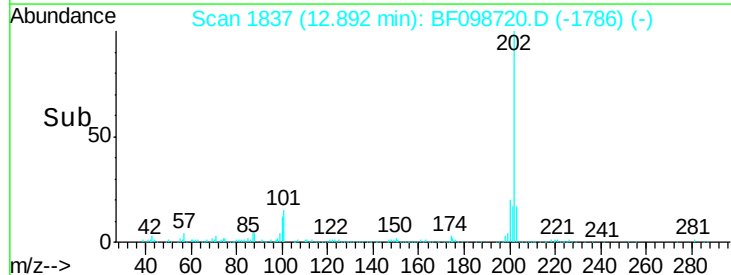
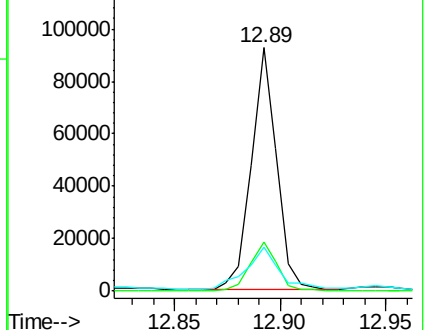
203 18.1 14.3 21.5

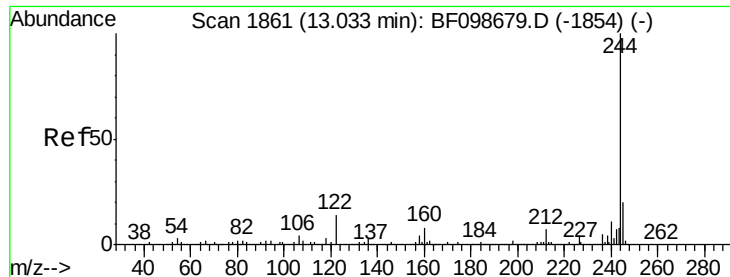


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 49.85 ng

RT: 13.03 min Scan# 1861

Delta R.T. -0.00 min

Lab File: BF098720.D

Acq: 23 Sep 2017 2:27

Instrument :

BNA_F

ClientSampleId :

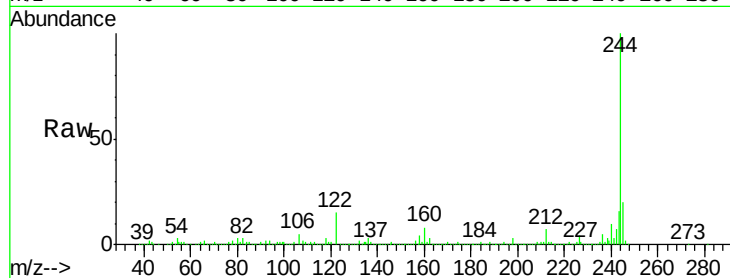
Tot Ion:244 Resp: 817157

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

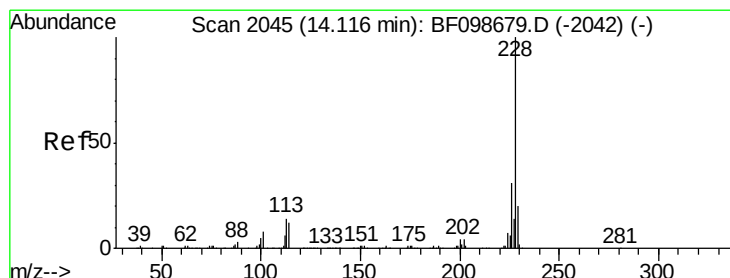
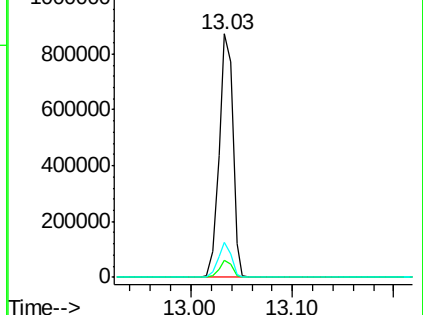
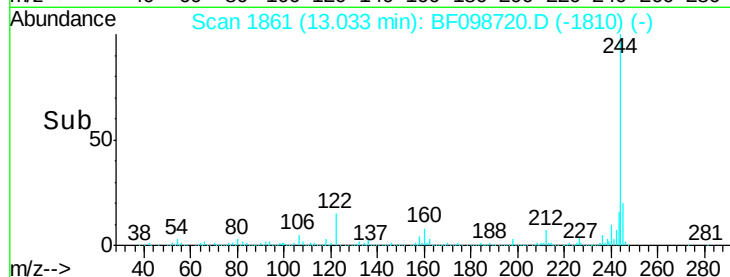
122 14.6 11.0 16.4



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



#82

Chrysene

Concen: 2.24 ng

RT: 14.12 min Scan# 2045

Delta R.T. -0.00 min

Lab File: BF098720.D

Acq: 23 Sep 2017 2:27

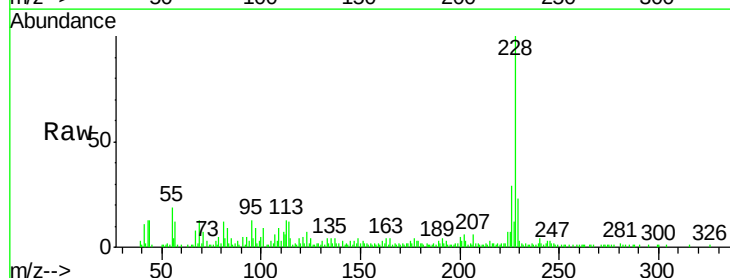
Tgt Ion:228 Resp: 45875

Ion Ratio Lower Upper

228 100

226 29.2 25.0 37.6

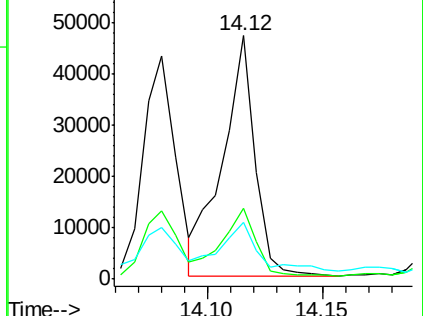
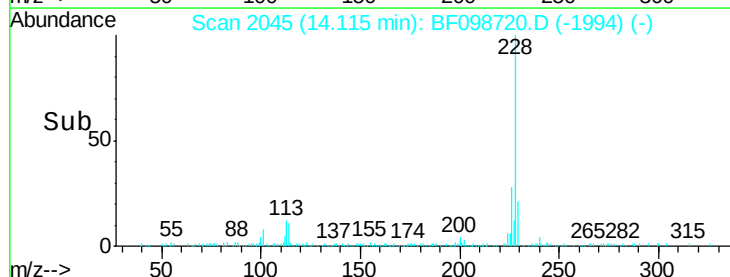
229 23.5 16.2 24.4

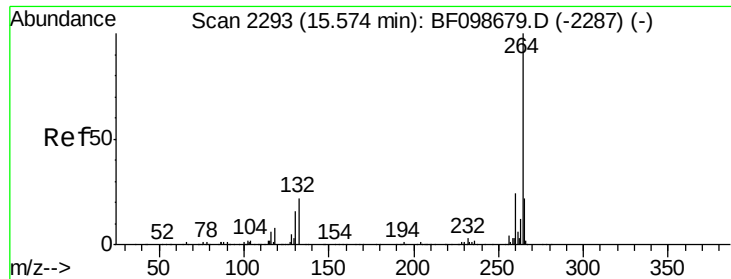


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

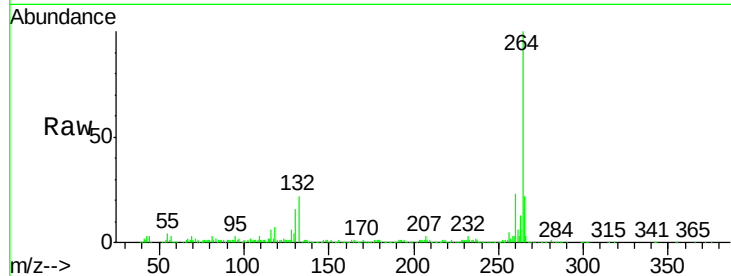




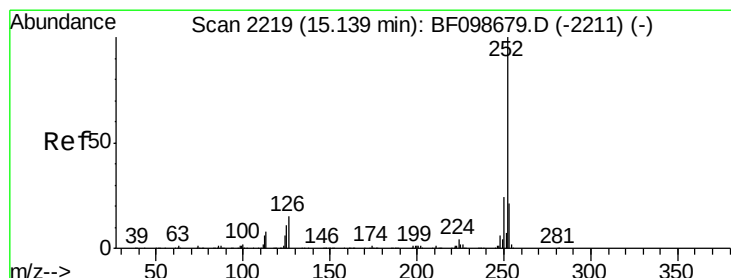
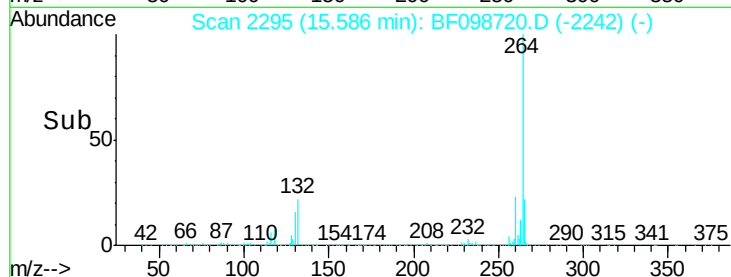
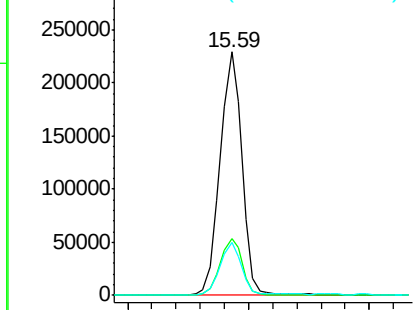
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.01 min
Lab File: BF098720.D
Acq: 23 Sep 2017 2:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.8	17.5	26.3

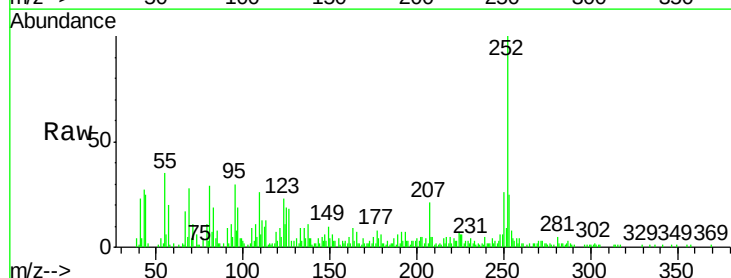


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

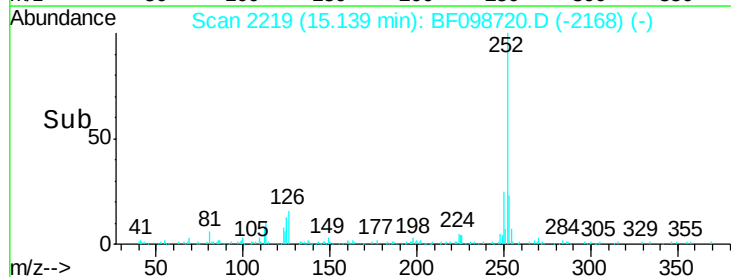
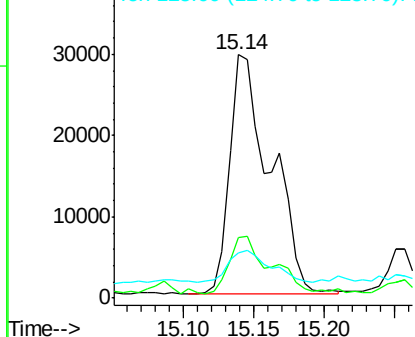


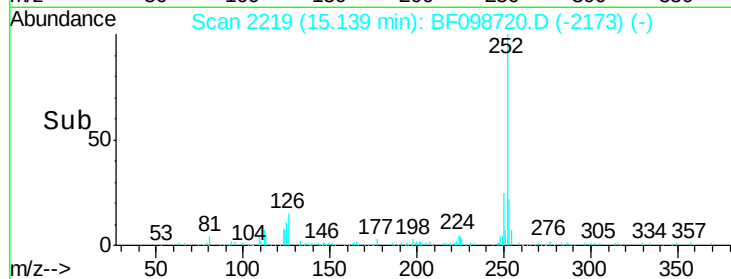
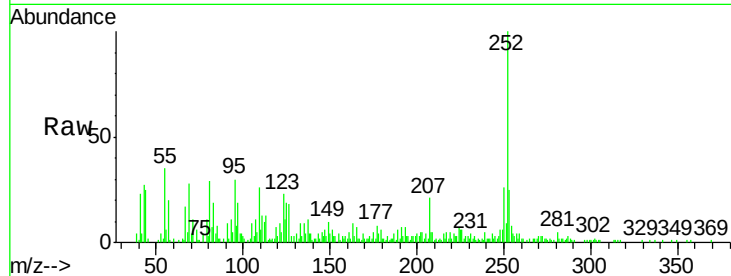
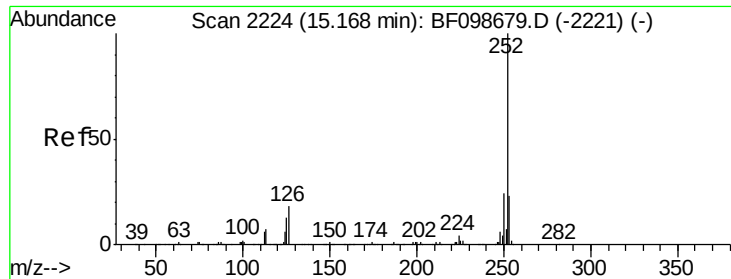
#87
Benzo(b)fluoranthene
Concen: 3.58 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.00 min
Lab File: BF098720.D
Acq: 23 Sep 2017 2:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.0	25.6
125	18.8	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: 3.59 ng

RT: 15.14 min Scan# 2219

Delta R.T. -0.03 min

Lab File: BF098720.D

Acq: 23 Sep 2017 2:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	59911
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.9	26.9
125	18.8	10.2	15.2#

