

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\
 Data File : BF098783.D
 Acq On : 25 Sep 2017 15:08
 Operator : SJ/JU
 Sample : I5364-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 05:15:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

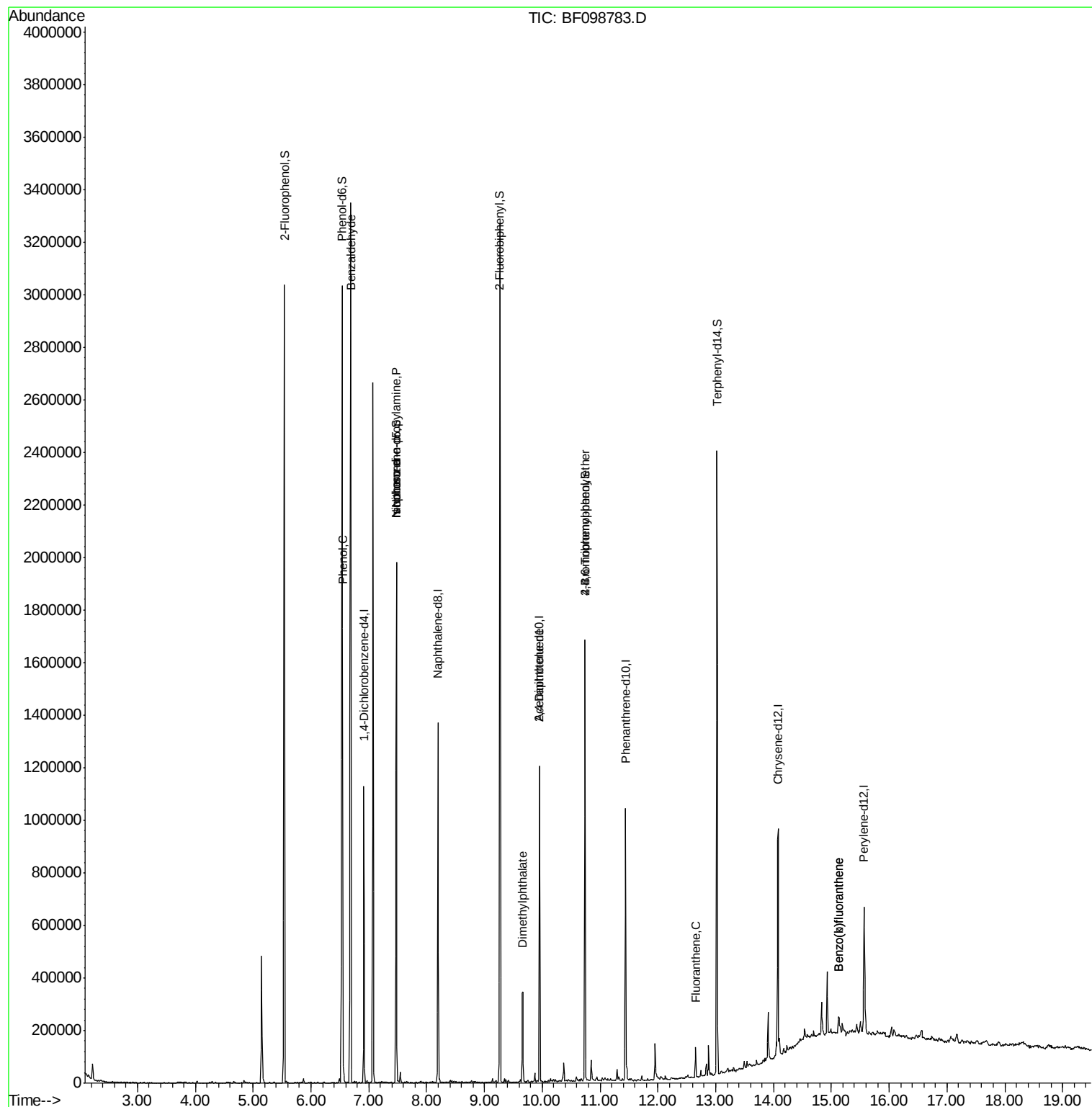
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	146080	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	572320	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	222299	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	318215	20.00	ng	0.00
75) Chrysene-d12	14.08	240	274085	20.00	ng	0.00
86) Perylene-d12	15.57	264	204555	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	940001	102.44	ng	0.00
7) Phenol-d6	6.54	99	1135775	100.33	ng	0.00
23) Nitrobenzene-d5	7.47	82	669248	74.99	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	162762	89.48	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	1040800	78.16	ng	0.00
78) Terphenyl-d14	13.02	244	683349	56.70	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.69	77	20001	3.046	ng	85
10) Phenol	6.55	94	28456	2.248	ng	97
19) n-Nitroso-di-n-propylamine	7.47	70	88999	12.314	ng	# 77
25) Isophorone	7.47	82	668302	36.220	ng	# 64
49) Dimethylphthalate	9.66	163	136299	8.124	ng	99
56) 2,4-Dinitrotoluene	9.95	165	28555	6.024	ng	# 23
66) 4-Bromophenyl-phenylether	10.74	248	11058	3.550	ng	# 1
74) Fluoranthene	12.65	202	38316	2.221	ng	97
87) Benzo(b)fluoranthene	15.13	252	37137	2.953	ng	# 85
88) Benzo(k)fluoranthene	15.13	252	37137	2.990	ng	# 88

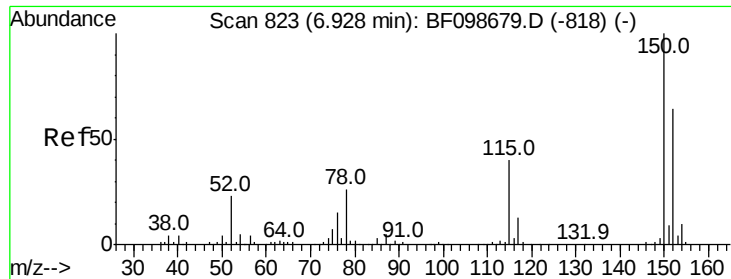
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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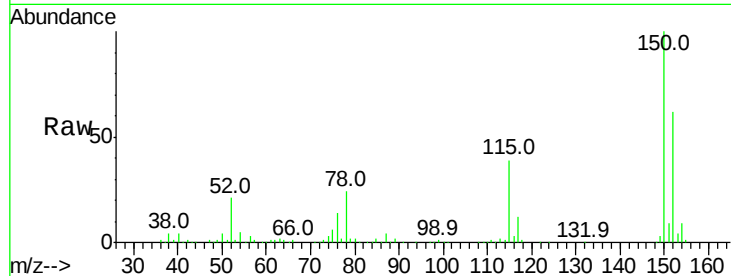


#1

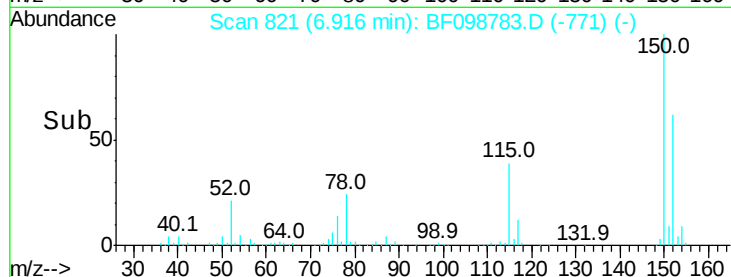
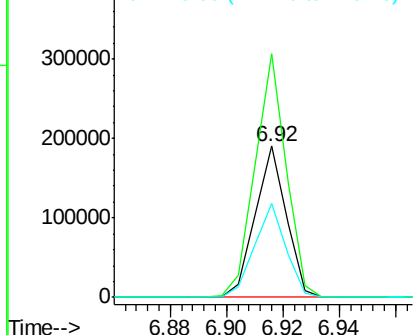
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098783.D
Acq: 25 Sep 2017 15:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 146080
Ion Ratio Lower Upper
152 100
150 161.0 124.6 186.8
115 62.2 50.1 75.1



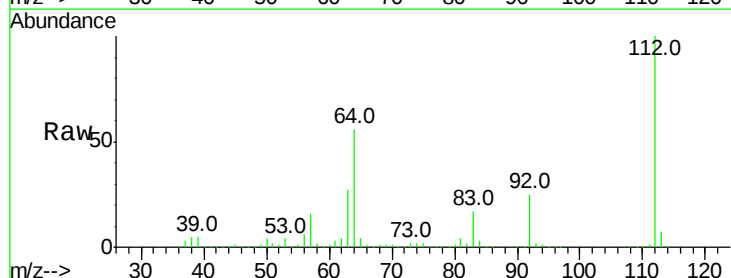
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



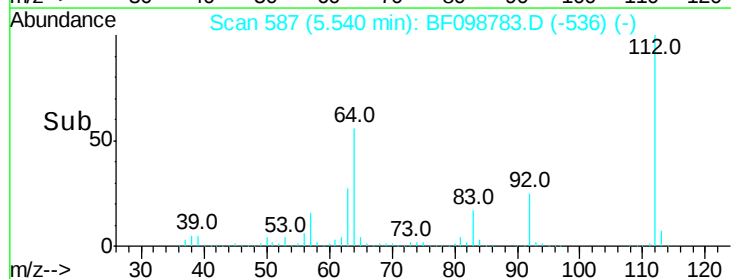
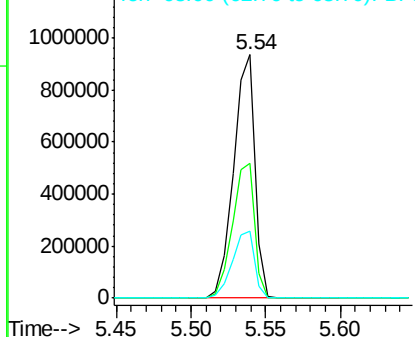
#5

2-Fluorophenol
Concen: 102.436 ng
RT: 5.54 min Scan# 587
Delta R.T. -0.00 min
Lab File: BF098783.D
Acq: 25 Sep 2017 15:08

Tgt Ion:112 Resp: 940001
Ion Ratio Lower Upper
112 100
64 55.6 47.9 71.9
63 27.4 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: 100.332 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF098783.D

Acq: 25 Sep 2017 15:08

Instrument :

BNA_F

ClientSampled :

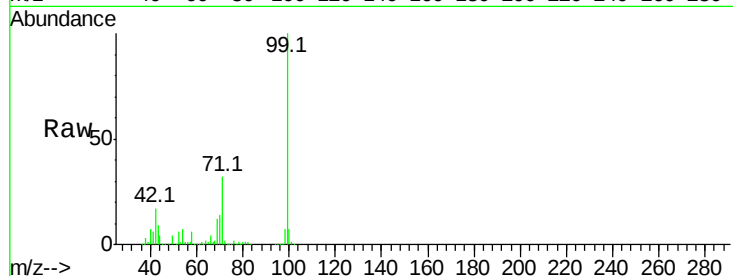
Tot Ion: 99 Resp: 1135775

Ion Ratio Lower Upper

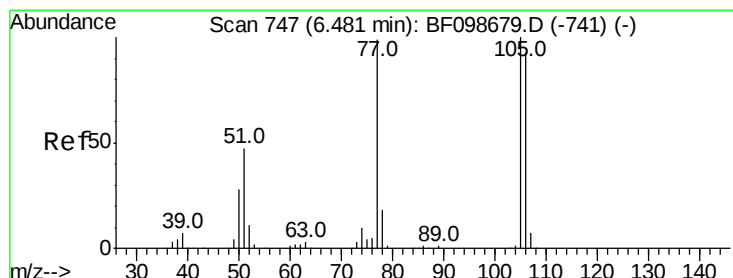
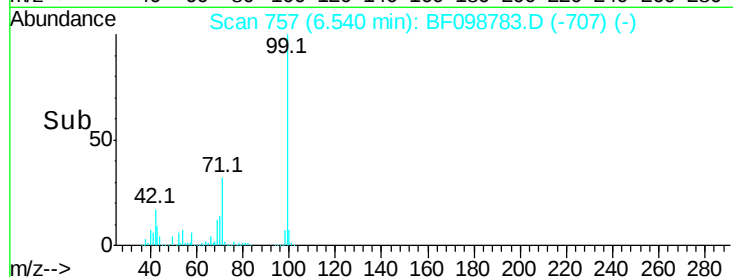
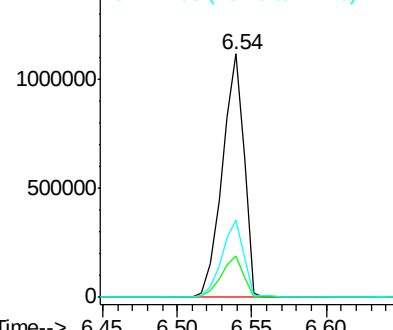
99 100

42 17.2 14.5 21.7

71 31.5 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: 3.046 ng

RT: 6.69 min Scan# 782

Delta R.T. 0.21 min

Lab File: BF098783.D

Acq: 25 Sep 2017 15:08

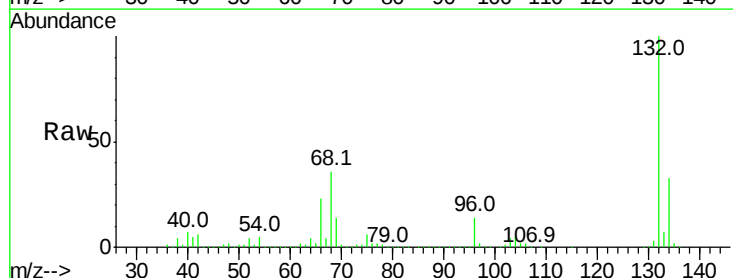
Tgt Ion: 77 Resp: 20001

Ion Ratio Lower Upper

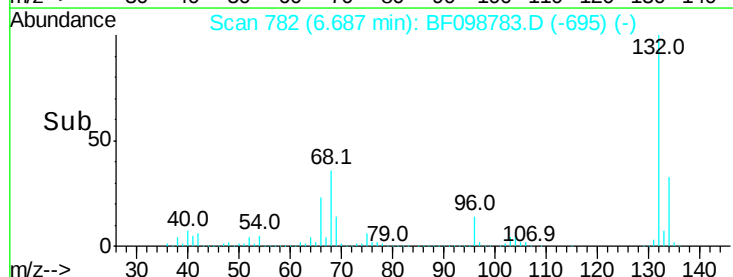
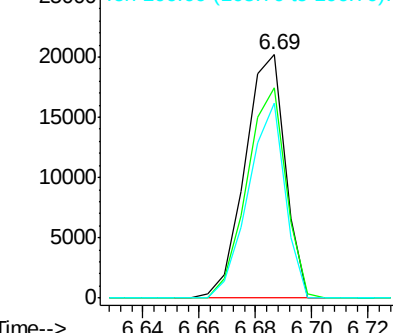
77 100

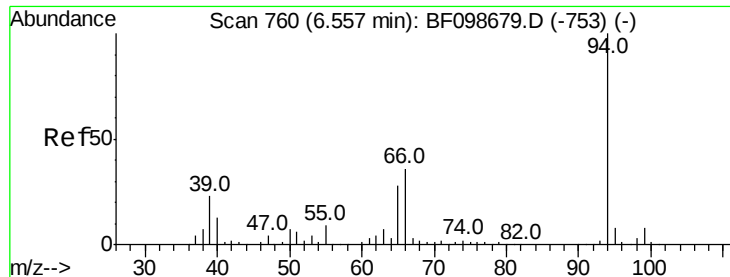
105 86.5 81.1 121.1

106 79.9 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





#10

Phenol

Concen: 2.248 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF098783.D

Acq: 25 Sep 2017 15:08

Instrument :

BNA_F

ClientSampleId :

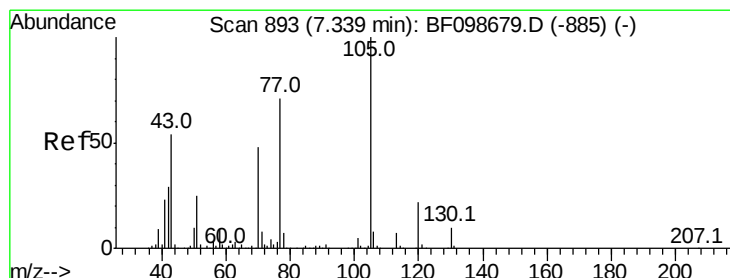
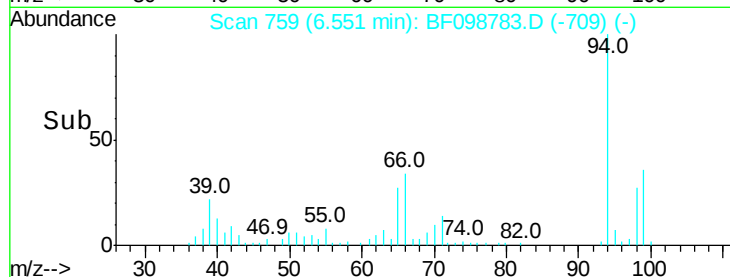
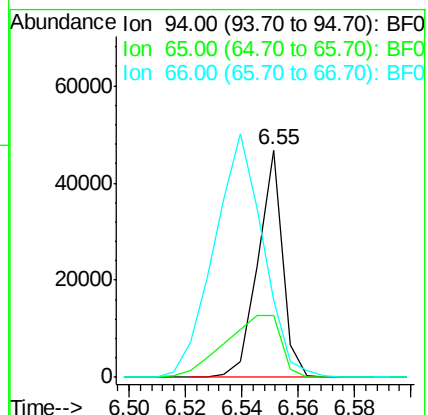
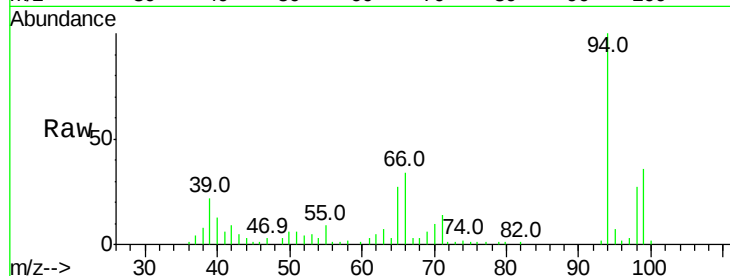
Tot Ion: 94 Resp: 28456

Ion Ratio Lower Upper

94 100

65 27.2 7.9 47.9

66 33.7 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.314 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF098783.D

Acq: 25 Sep 2017 15:08

Tgt Ion: 70 Resp: 88999

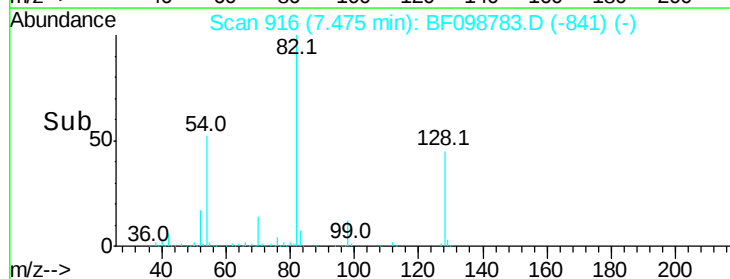
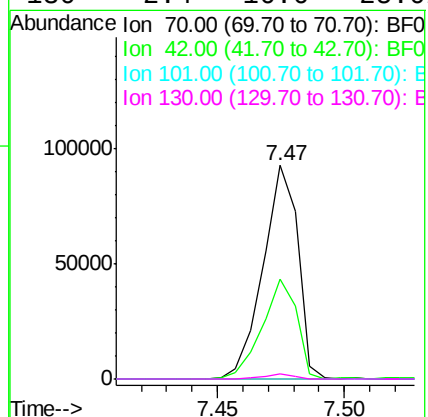
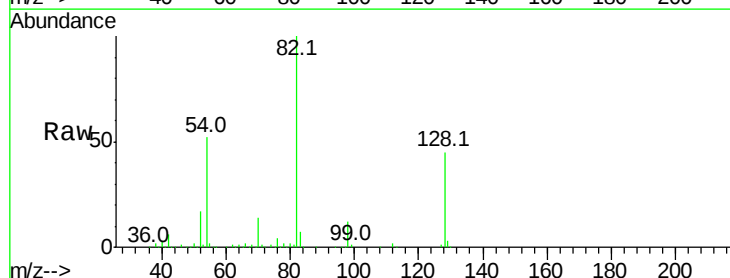
Ion Ratio Lower Upper

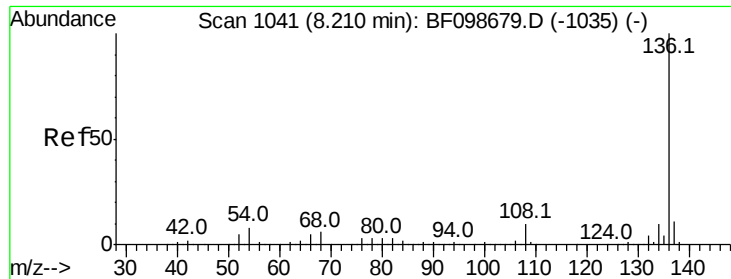
70 100

42 47.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

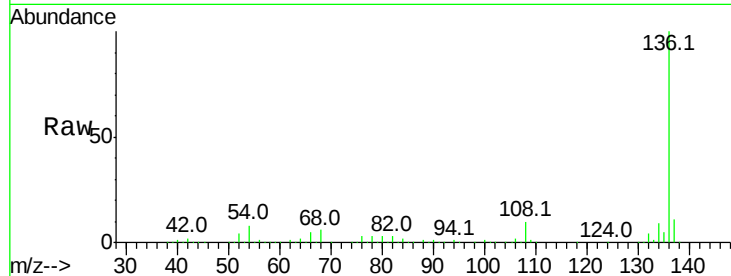




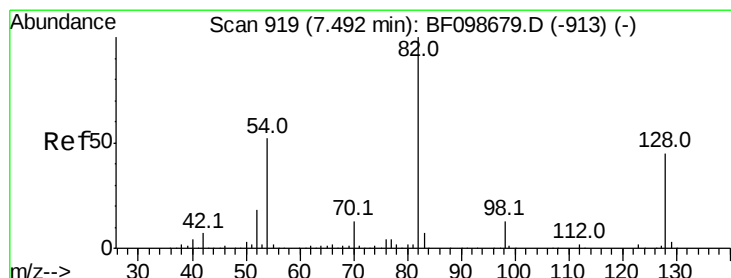
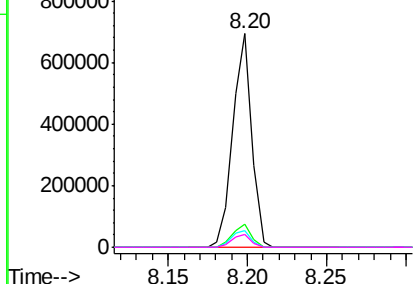
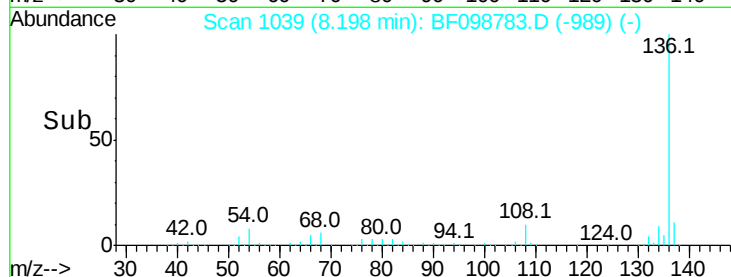
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098783.D
Acq: 25 Sep 2017 15:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	572320
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	7.6	6.6 9.8
68	6.1	5.0 7.4

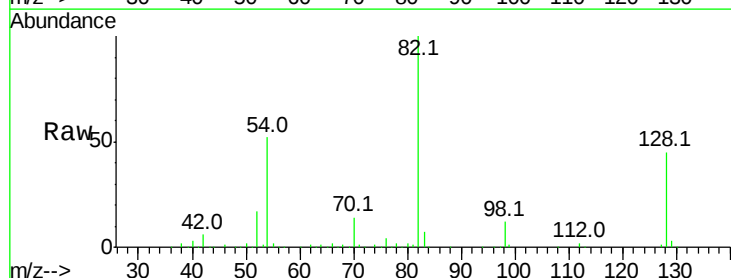


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

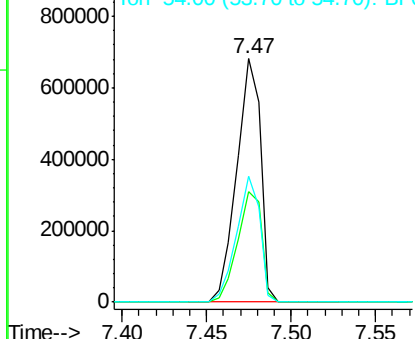
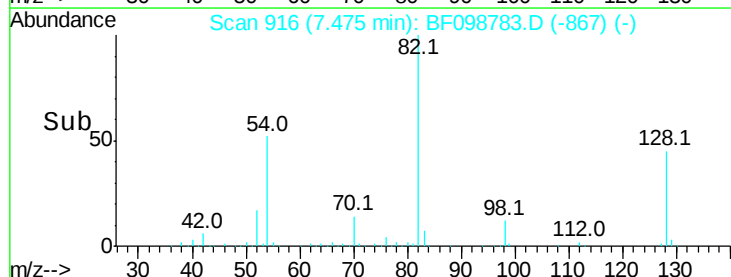


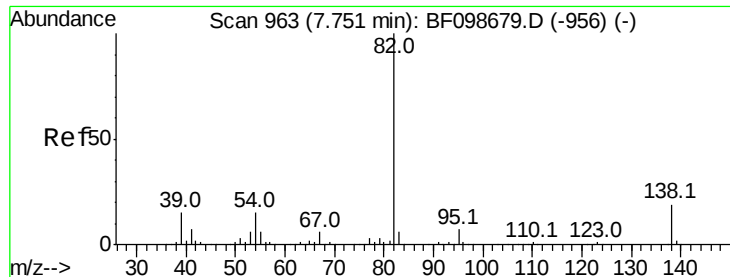
#23
Nitrobenzene-d5
Concen: 74.991 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098783.D
Acq: 25 Sep 2017 15:08

Tgt Ion: 82	Resp:	669248
Ion Ratio	Lower	Upper
82	100	
128	45.2	36.1 54.1
54	51.8	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: 36.220 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.27 min

Lab File: BF098783.D

Acq: 25 Sep 2017 15:08

Instrument :

BNA_F

ClientSampled :

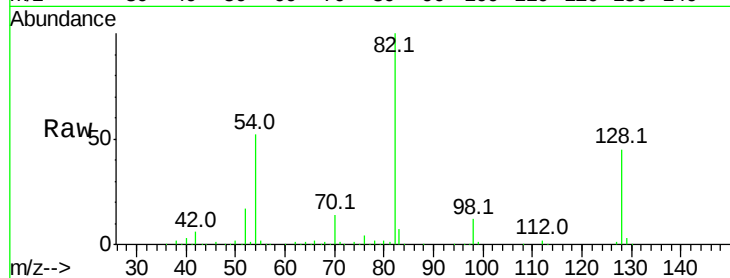
Tot Ion: 82 Resp: 668302

Ion Ratio Lower Upper

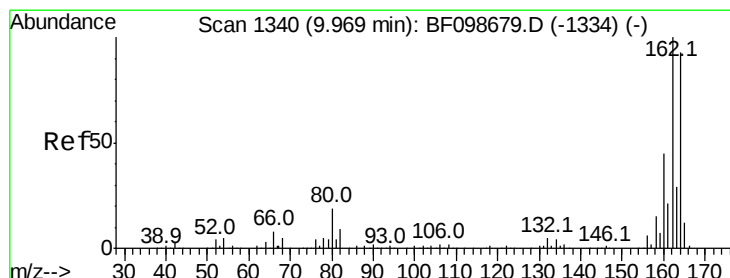
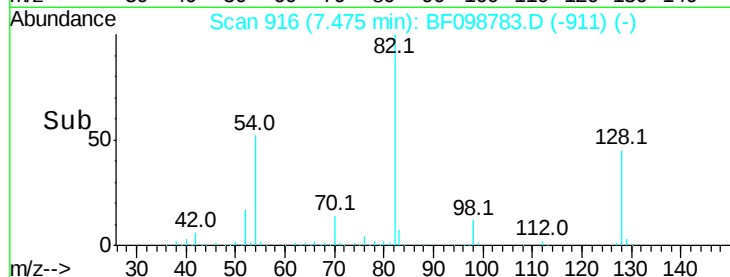
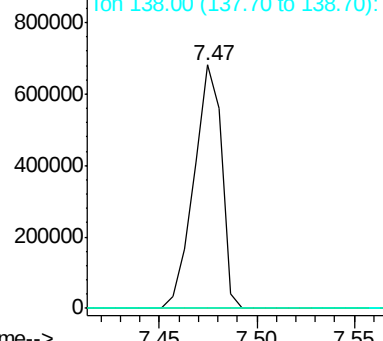
82 100

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: 20.000 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF098783.D

Acq: 25 Sep 2017 15:08

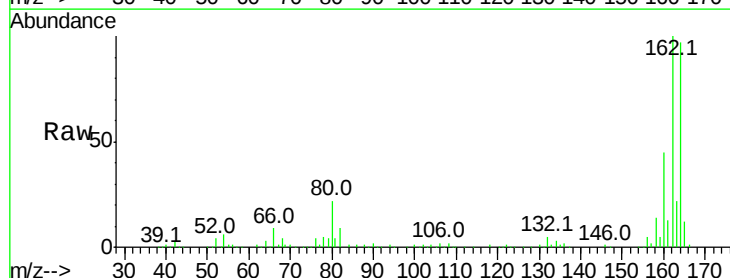
Tgt Ion:164 Resp: 222299

Ion Ratio Lower Upper

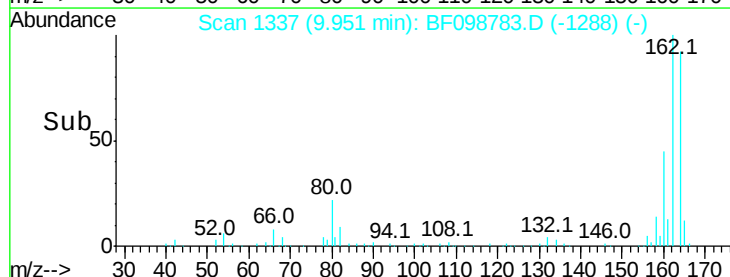
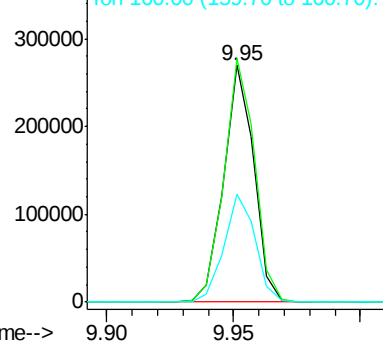
164 100

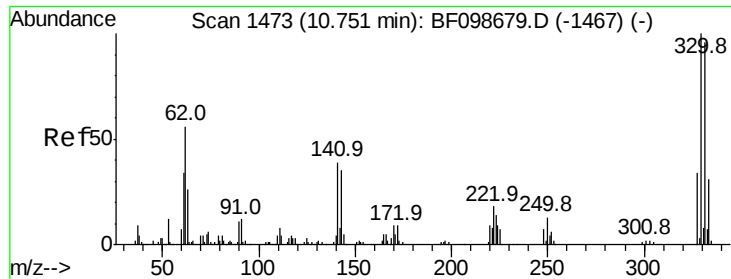
162 102.8 86.1 129.1

160 45.8 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

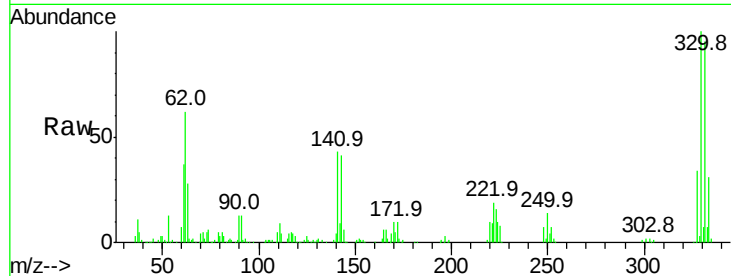




#41
 2,4,6-Tribromophenol
 Concen: 89.478 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098783.D
 Acq: 25 Sep 2017 15:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.0	115.6
141	42.9	29.9	44.9

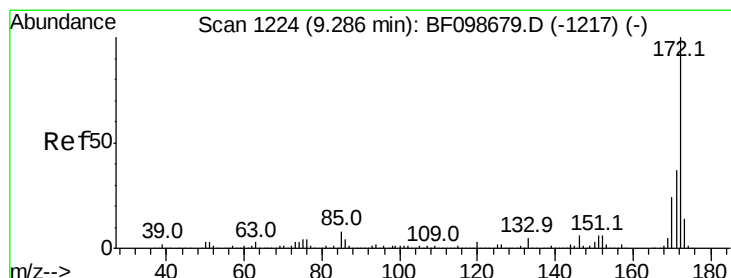
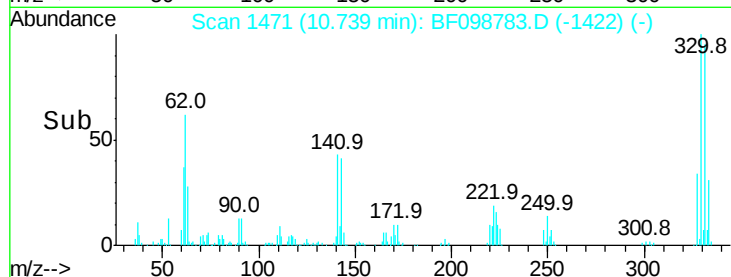
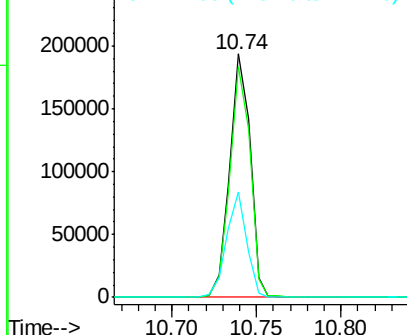


Abundance

Ion 329.80 (329.50 to 330.50): E

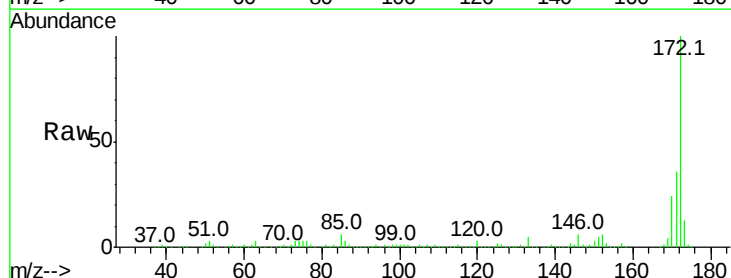
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 78.162 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: BF098783.D
 Acq: 25 Sep 2017 15:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.9	19.6	29.4

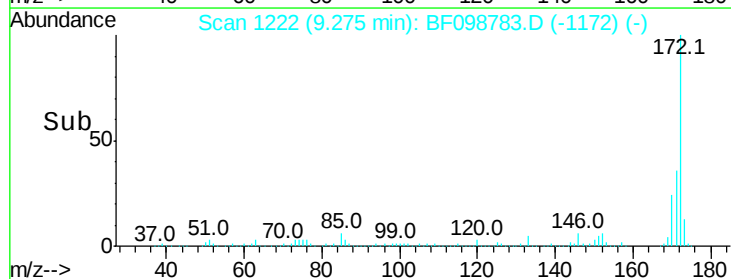
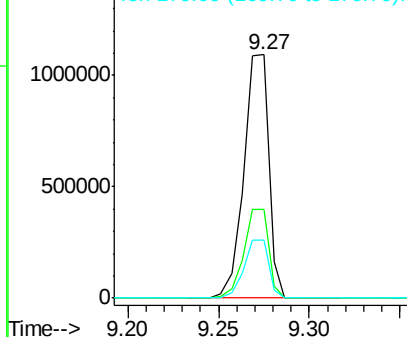


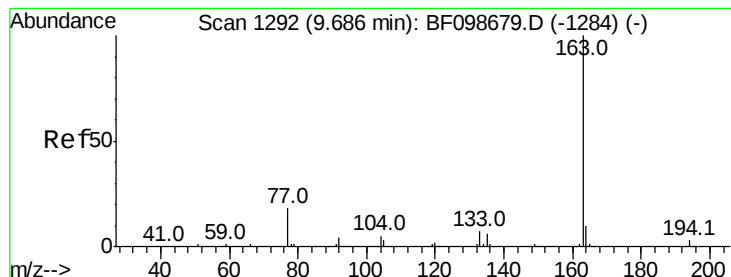
Abundance

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: 8.124 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.02 min

Lab File: BF098783.D

Acq: 25 Sep 2017 15:08

Instrument :

BNA_F

ClientSampleId :

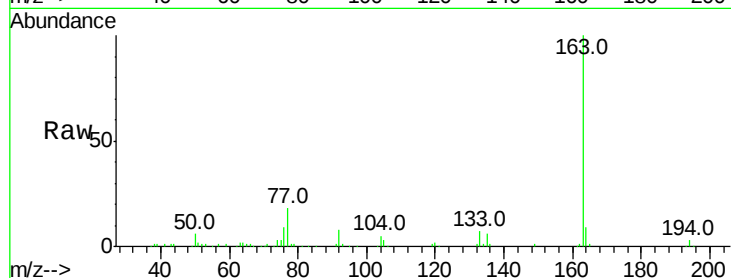
Tot Ion:163 Resp: 136299

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

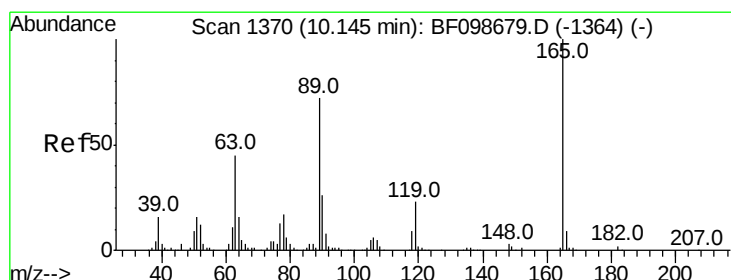
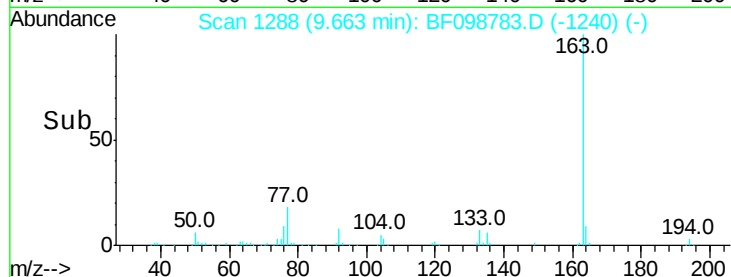
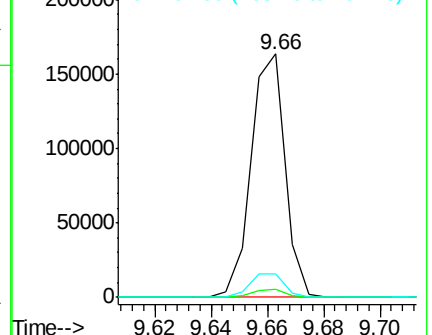
164 9.5 8.2 12.2



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: 6.024 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.19 min

Lab File: BF098783.D

Acq: 25 Sep 2017 15:08

Tgt Ion:165 Resp: 28555

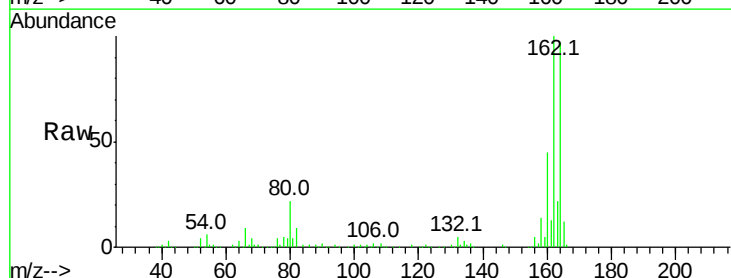
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 1.1 57.8 86.6#

182 0.0 1.6 2.4#

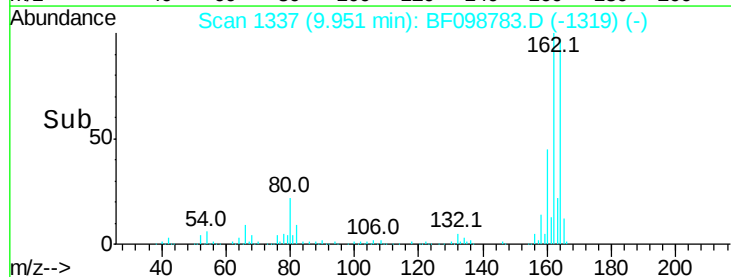
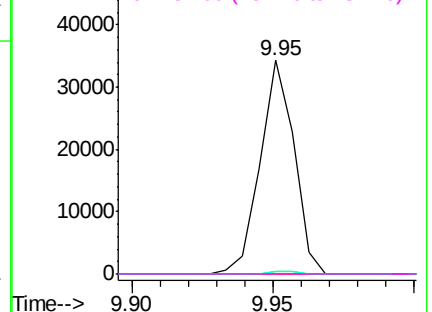


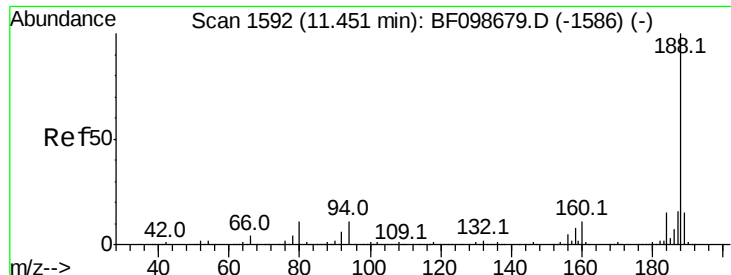
Abundance Ion 165.00 (164.70 to 165.70): E

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

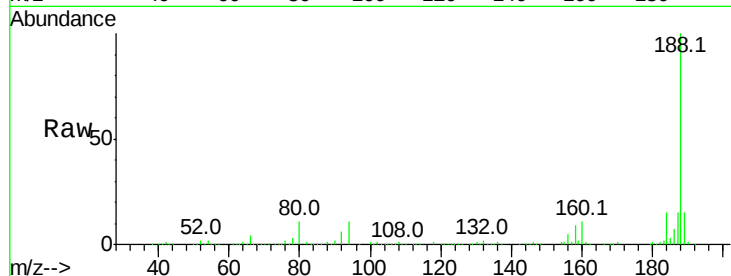




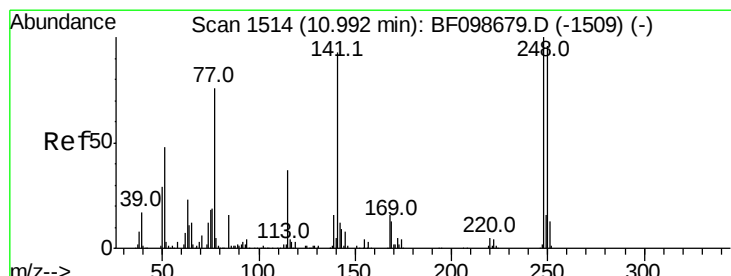
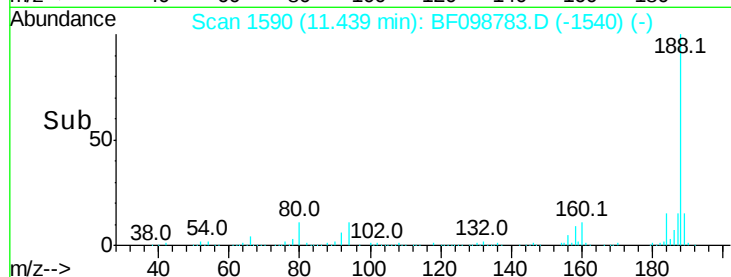
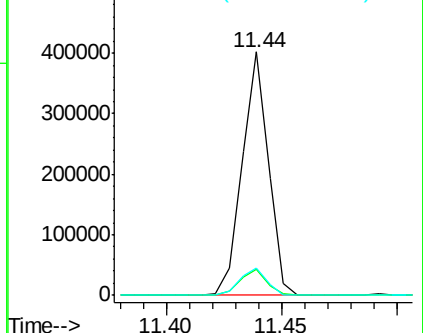
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098783.D
Acq: 25 Sep 2017 15:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 318215
Ion Ratio Lower Upper
188 100
94 10.8 8.5 12.7
80 11.3 9.2 13.8

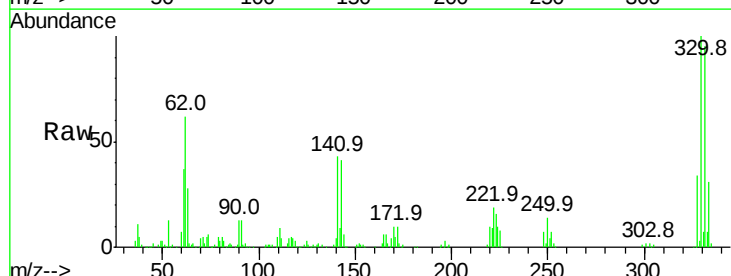


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

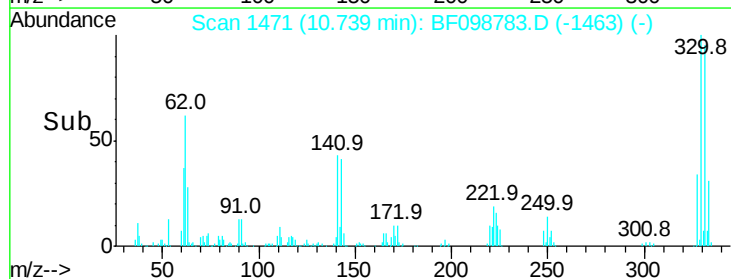
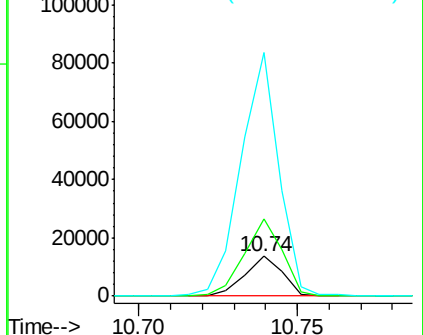


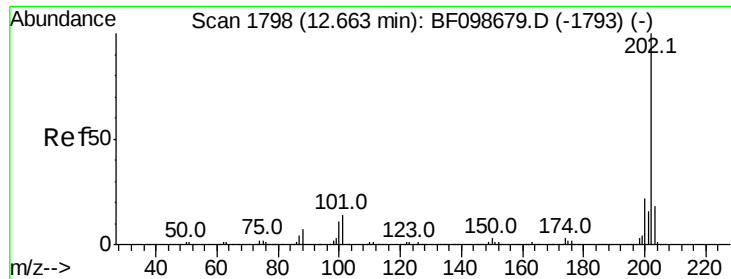
#66
4-Bromophenyl-phenylether
Concen: 3.550 ng
RT: 10.74 min Scan# 1471
Delta R.T. -0.25 min
Lab File: BF098783.D
Acq: 25 Sep 2017 15:08

Tgt Ion:248 Resp: 11058
Ion Ratio Lower Upper
248 100
250 193.9 76.9 115.3#
141 615.1 74.4 111.6#



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





#74

Fluoranthene

Concen: 2.221 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098783.D

Acq: 25 Sep 2017 15:08

Instrument :

BNA_F

ClientSampleId :

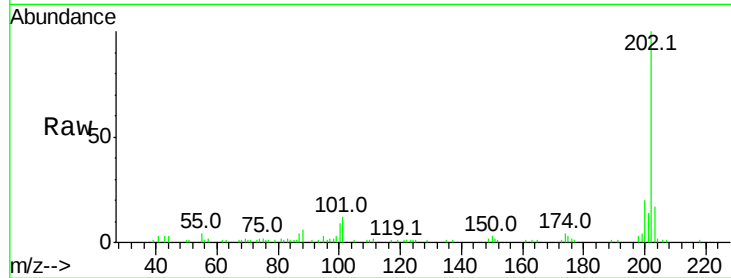
Tot Ion:202 Resp: 38316

Ion Ratio Lower Upper

202 100

101 12.1 0.0 34.1

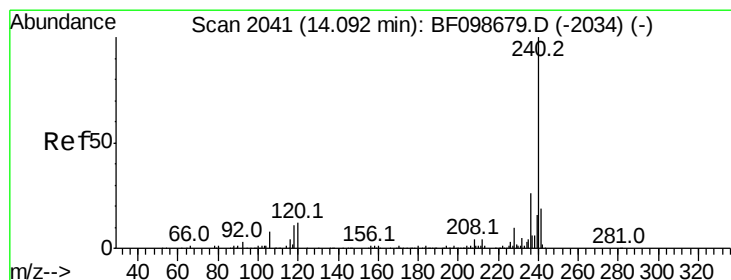
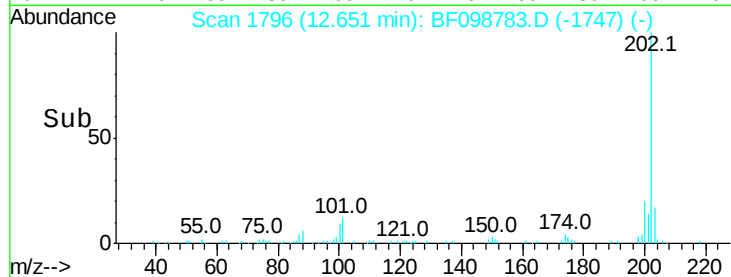
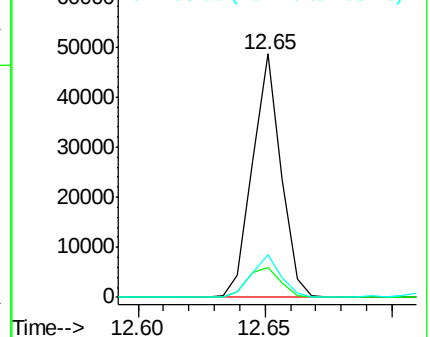
203 17.3 0.0 38.1



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: 20.000 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098783.D

Acq: 25 Sep 2017 15:08

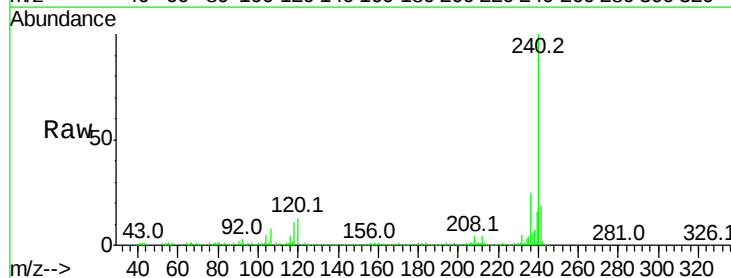
Tgt Ion:240 Resp: 274085

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

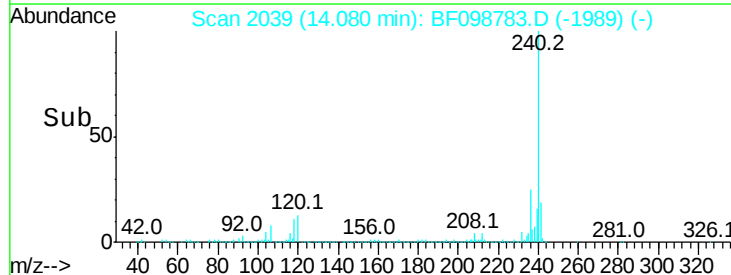
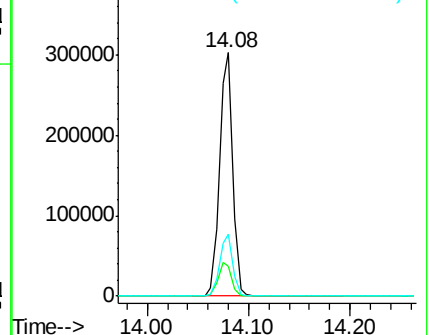
236 25.3 20.7 31.1

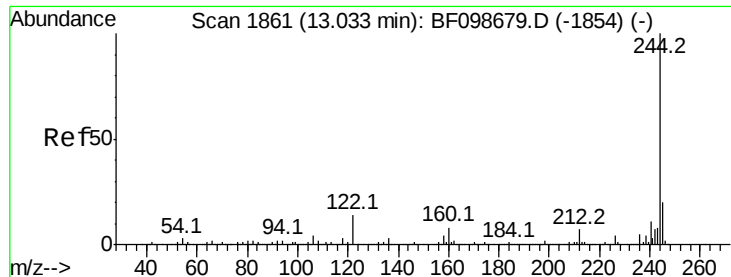


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 56.700 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098783.D

Acq: 25 Sep 2017 15:08

Instrument :

BNA_F

ClientSampleId :

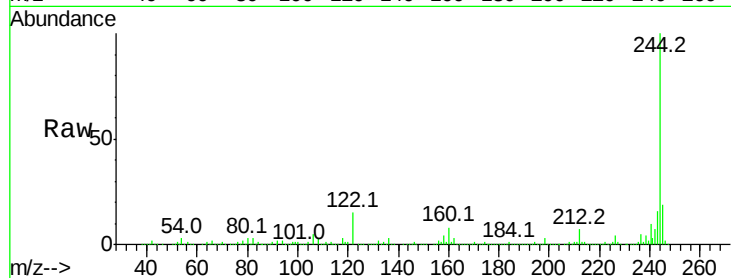
Tot Ion:244 Resp: 683349

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

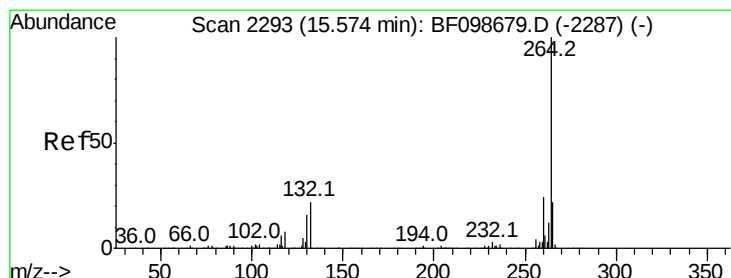
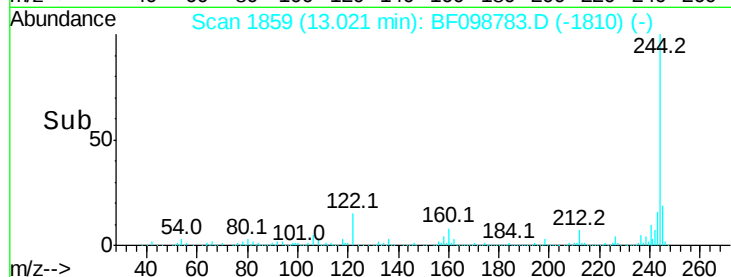
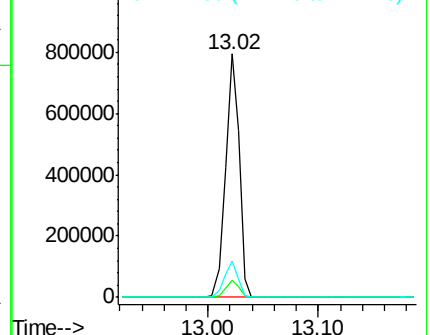
122 14.7 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.57 min Scan# 2292

Delta R.T. -0.01 min

Lab File: BF098783.D

Acq: 25 Sep 2017 15:08

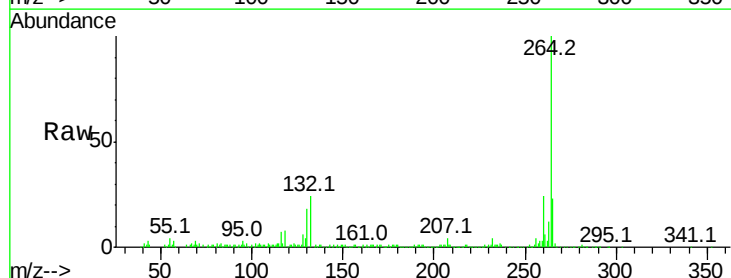
Tgt Ion:264 Resp: 204555

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

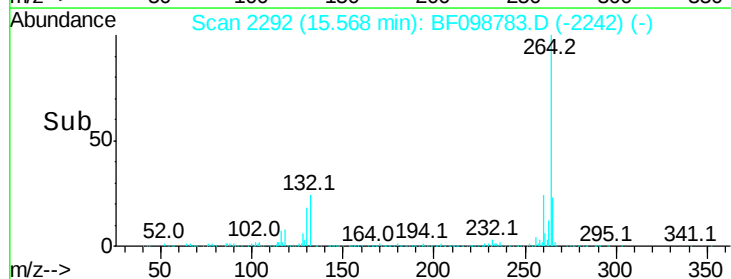
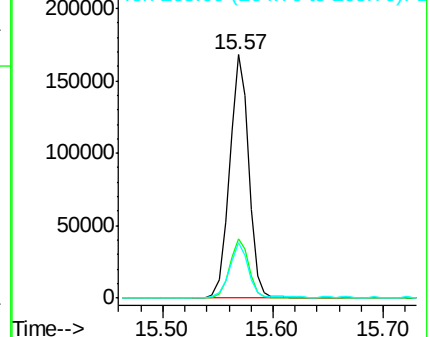
265 22.8 17.5 26.3

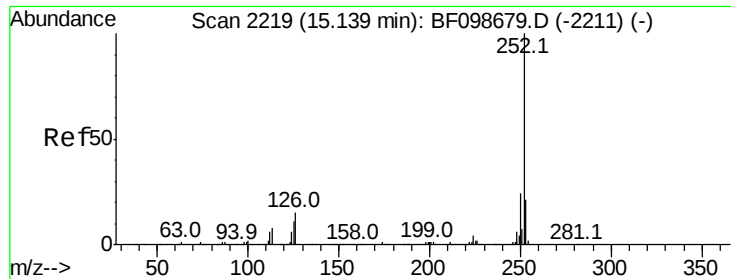


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

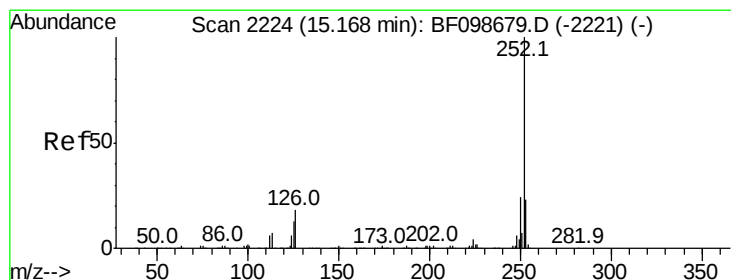
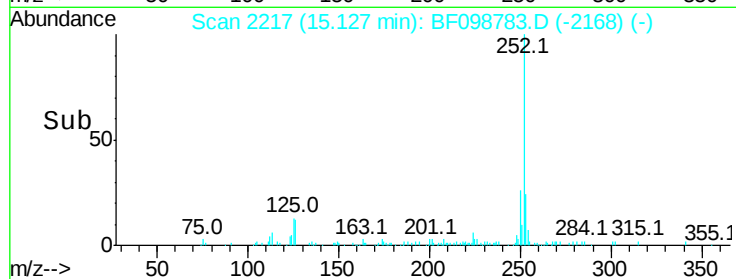
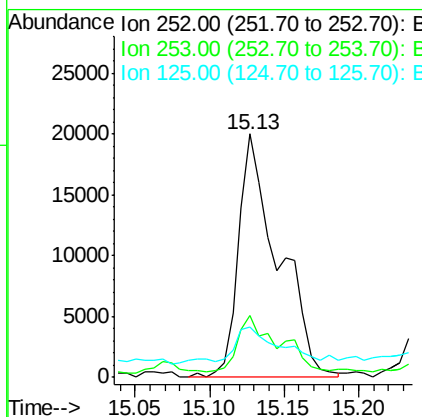
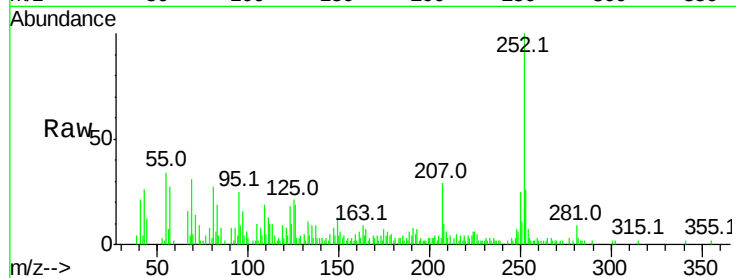




#87
Benzo(b)fluoranthene
Concen: 2.953 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF098783.D
Acq: 25 Sep 2017 15:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 37137
Ion Ratio Lower Upper
252 100
253 25.5 17.0 25.6
125 20.9 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 2.990 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.04 min
Lab File: BF098783.D
Acq: 25 Sep 2017 15:08

Tgt Ion:252 Resp: 37137
Ion Ratio Lower Upper
252 100
253 25.5 17.9 26.9
125 20.9 10.2 15.2#

