

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060617\
 Data File : BF095705.D
 Acq On : 6 Jun 2017 13:00
 Operator : SJ/MA
 Sample : I3443-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 06 16:30:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

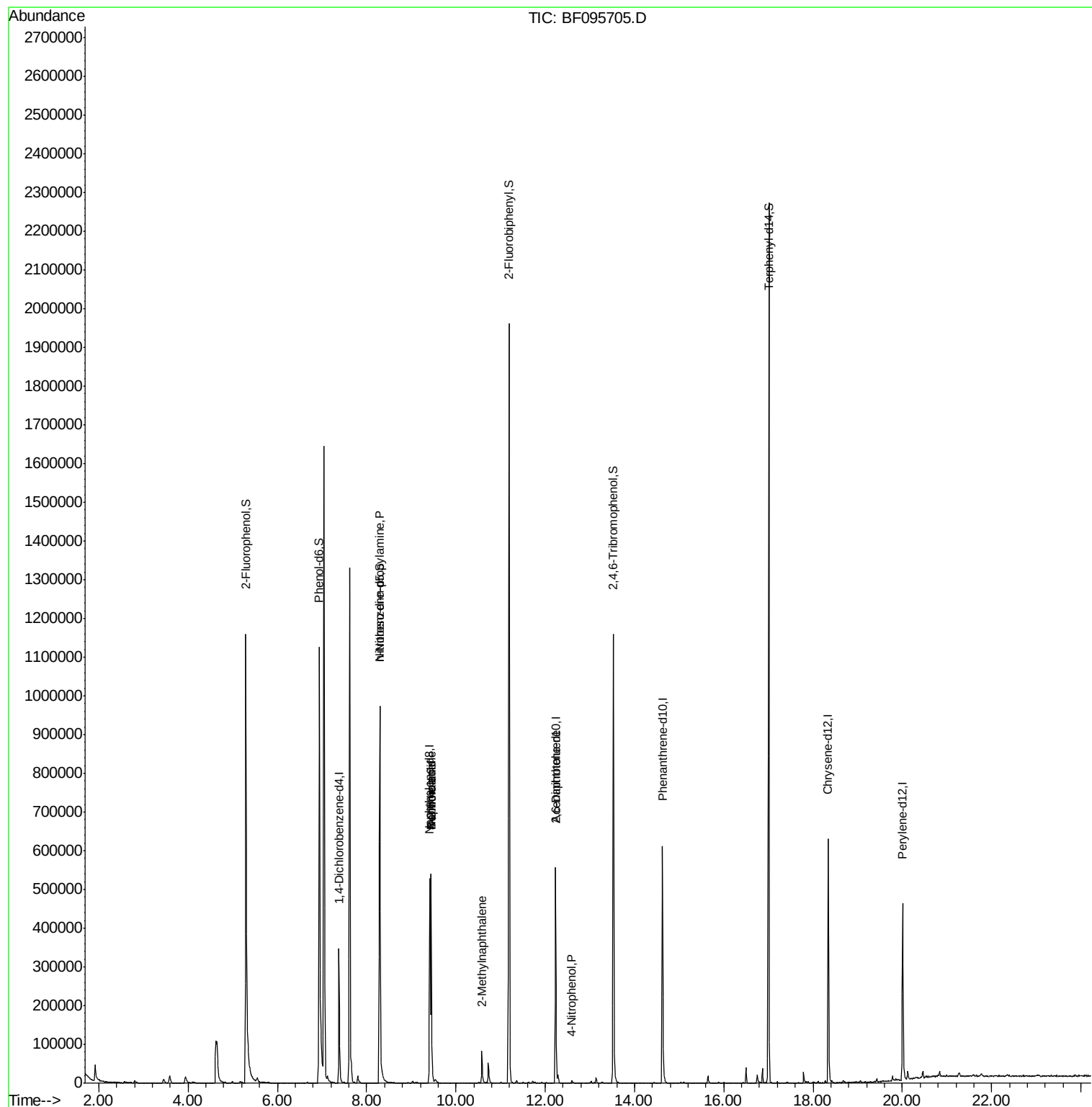
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	86503	20.00	ng	-0.02
21) Naphthalene-d8	9.41	136	353280	20.00	ng	-0.02
38) Acenaphthene-d10	12.23	164	169733	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	326781	20.00	ng	-0.02
75) Chrysene-d12	18.34	240	294689	20.00	ng	-0.02
86) Perylene-d12	20.01	264	232978	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	673210	124.01	ng	0.00
7) Phenol-d6	6.94	99	737874	113.54	ng	-0.02
23) Nitrobenzene-d5	8.30	82	504918	88.76	ng	-0.02
41) 2,4,6-Tribromophenol	13.53	330	213267	142.01	ng	-0.02
44) 2-Fluorobiphenyl	11.19	172	1033060	84.70	ng	-0.02
78) Terphenyl-d14	17.01	244	959336	80.79	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.30	70	63045	15.31	ng	# 77
31) Naphthalene	9.45	128	427893	24.13	ng	99
32) Benzoic acid	9.45	122	691	5.32	ng	# 1
33) 4-Chloroaniline	9.45	127	54699	7.89	ng	# 34
37) 2-Methylnaphthalene	10.58	142	38794	3.24	ng	95
50) 2,6-Dinitrotoluene	12.23	165	21533	7.66	ng	# 31
55) 4-Nitrophenol	12.60	139	2361	5.79	ng	# 25

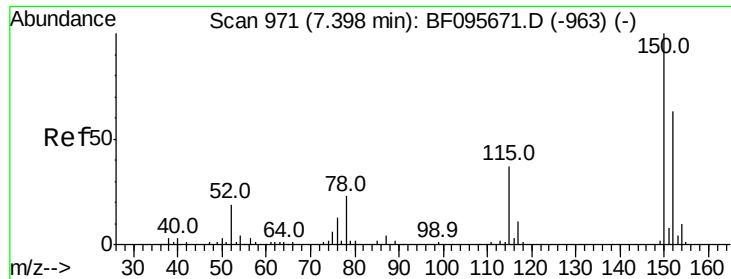
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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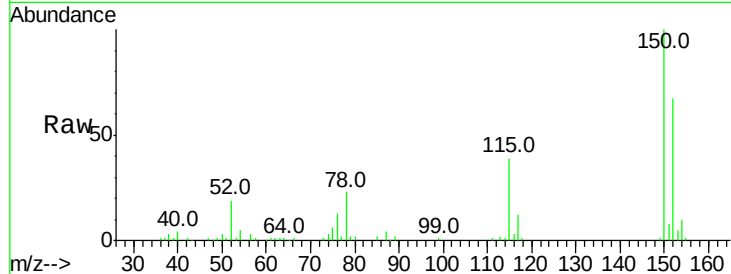


#1

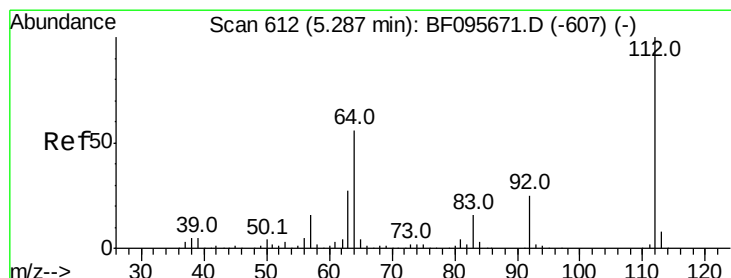
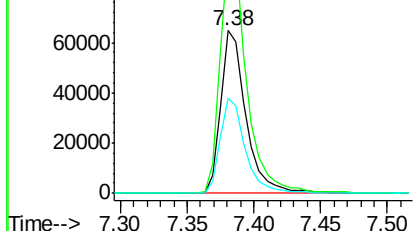
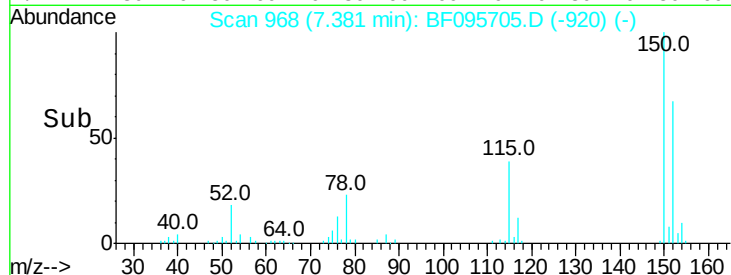
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.38 min Scan# 968
Delta R.T. -0.02 min
Lab File: BF095705.D
Acq: 6 Jun 2017 13:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 86503
Ion Ratio Lower Upper
152 100
150 149.9 126.2 189.2
115 58.8 52.2 78.2



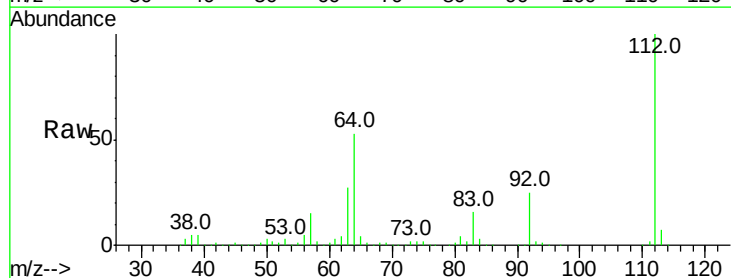
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



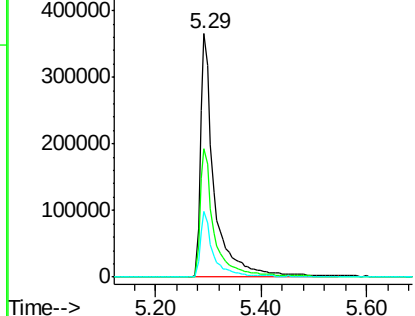
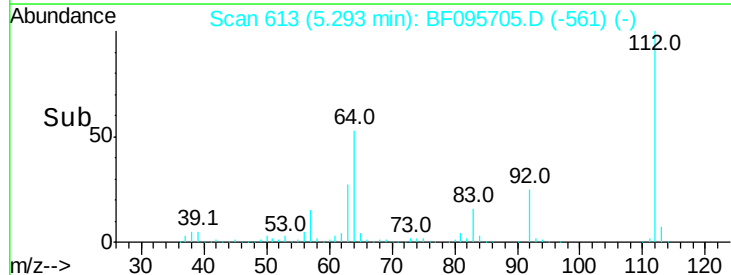
#5

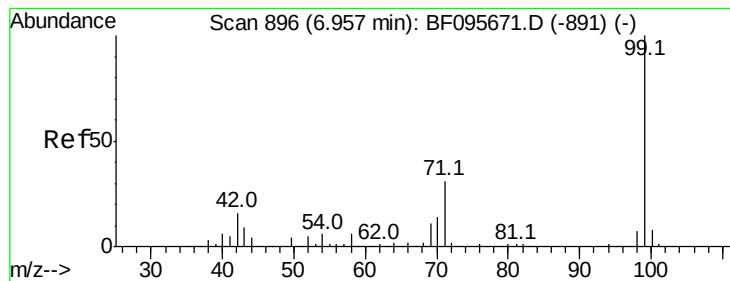
2-Fluorophenol
Concen: 124.01 ng
RT: 5.29 min Scan# 613
Delta R.T. 0.01 min
Lab File: BF095705.D
Acq: 6 Jun 2017 13:00

Tgt Ion:112 Resp: 673210
Ion Ratio Lower Upper
112 100
64 52.9 46.0 69.0
63 26.9 23.4 35.0



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: 113.54 ng

RT: 6.94 min Scan# 893

Delta R.T. -0.02 min

Lab File: BF095705.D

Acq: 6 Jun 2017 13:00

Instrument :

BNA_F

ClientSampled :

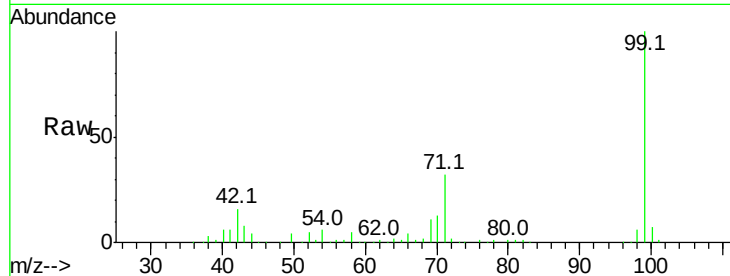
Tot Ion: 99 Resp: 737874

Ion Ratio Lower Upper

99 100

42 16.3 13.5 20.3

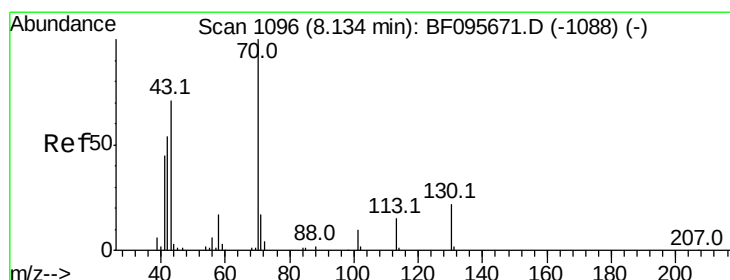
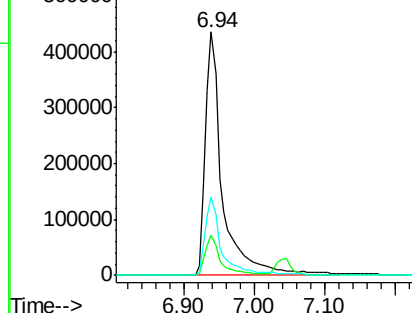
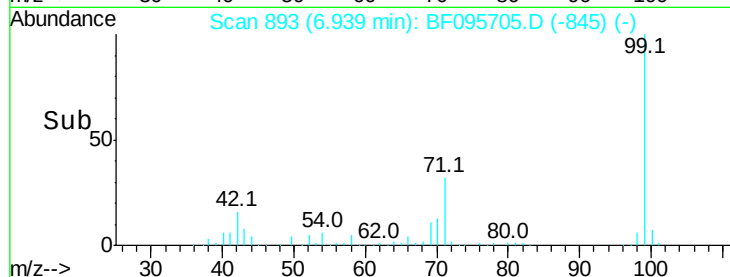
71 32.0 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.31 ng

RT: 8.30 min Scan# 1124

Delta R.T. 0.16 min

Lab File: BF095705.D

Acq: 6 Jun 2017 13:00

Tgt Ion: 70 Resp: 63045

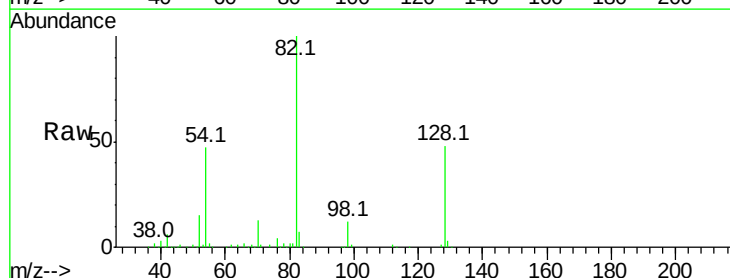
Ion Ratio Lower Upper

70 100

42 46.0 47.2 70.8#

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

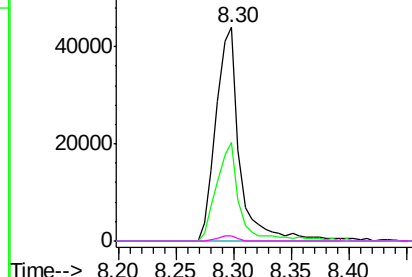
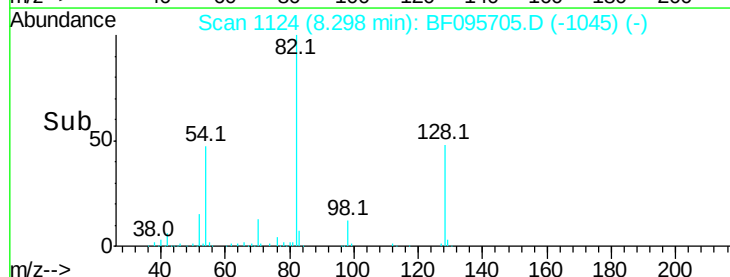


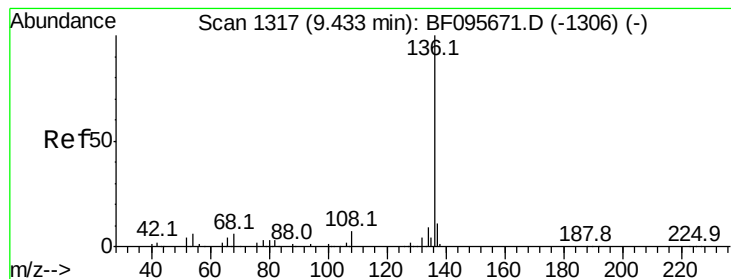
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.41 min Scan# 1313

Delta R.T. -0.02 min

Lab File: BF095705.D

Acq: 6 Jun 2017 13:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 353280

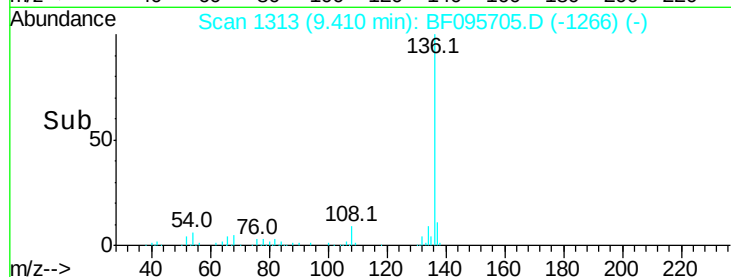
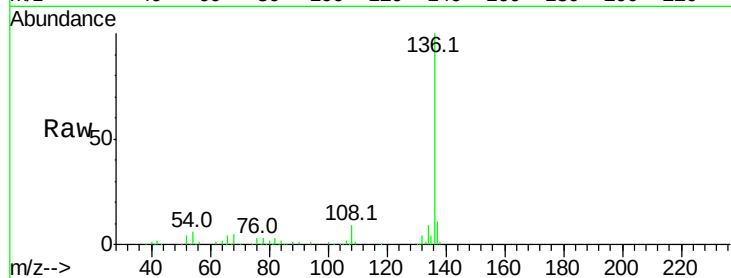
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 6.4 4.9 7.3

68 5.3 4.1 6.1



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

Time-->

9.35 9.40 9.45 9.50

400000

300000

200000

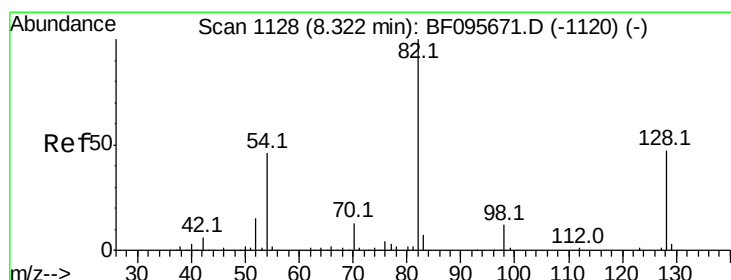
100000

0

9.41

Time-->

9.35 9.40 9.45 9.50



#23

Nitrobenzene-d5

Concen: 88.76 ng

RT: 8.30 min Scan# 1124

Delta R.T. -0.02 min

Lab File: BF095705.D

Acq: 6 Jun 2017 13:00

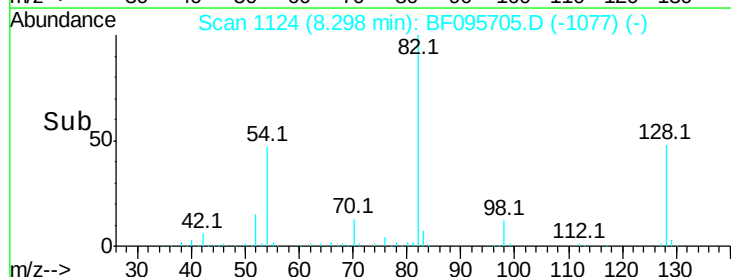
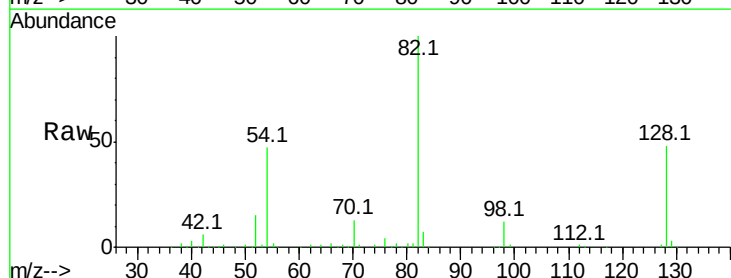
Tgt Ion: 82 Resp: 504918

Ion Ratio Lower Upper

82 100

128 48.4 34.0 51.0

54 46.7 42.2 63.2



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

Time-->

8.20 8.40 8.60

400000

300000

200000

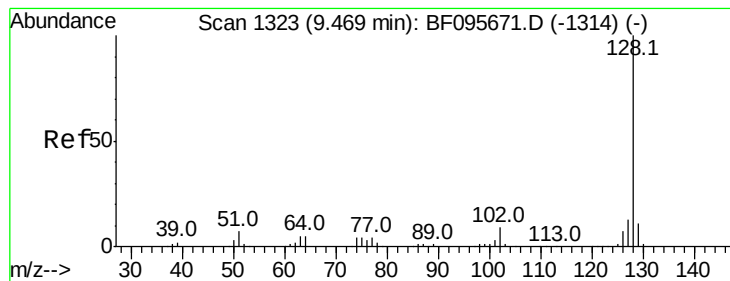
100000

0

8.30

Time-->

8.20 8.40 8.60



#31

Naphthalene

Concen: 24.13 ng

RT: 9.45 min Scan# 1319

Delta R.T. -0.02 min

Lab File: BF095705.D

Acq: 6 Jun 2017 13:00

Instrument :

BNA_F

ClientSampleId :

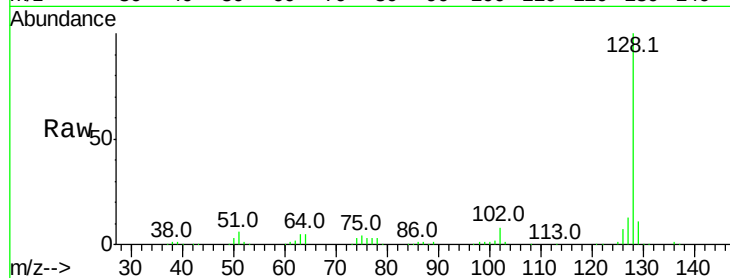
Tot Ion:128 Resp: 427893

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.6

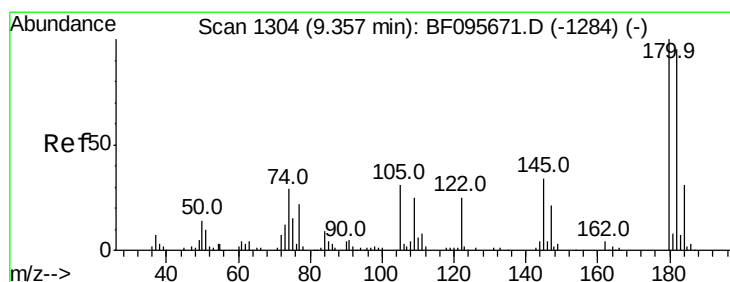
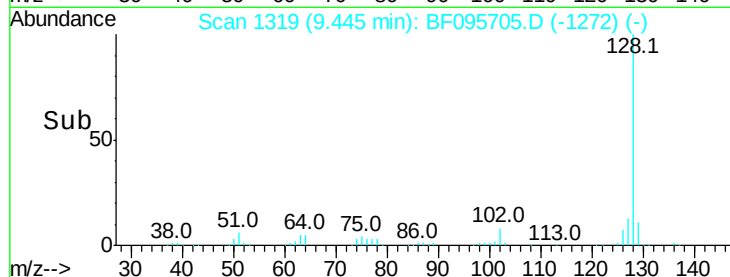
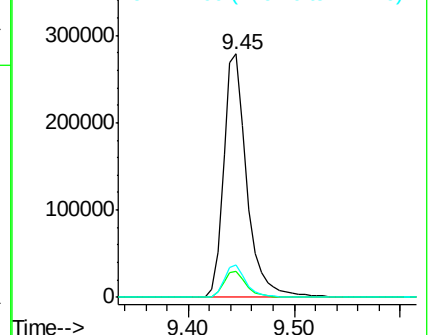
127 13.1 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 5.32 ng

RT: 9.45 min Scan# 1319

Delta R.T. 0.09 min

Lab File: BF095705.D

Acq: 6 Jun 2017 13:00

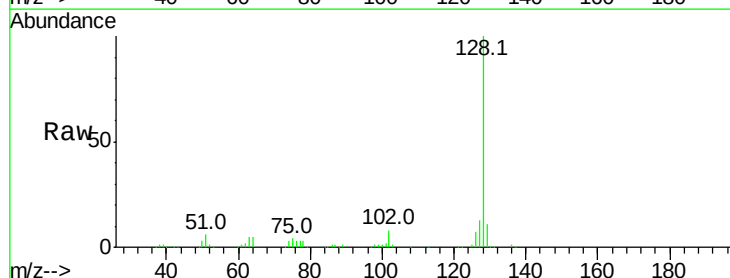
Tgt Ion:122 Resp: 691

Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

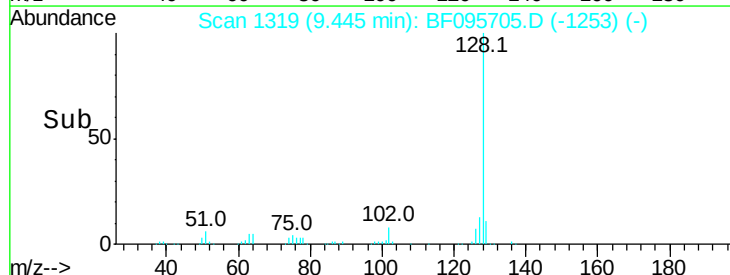
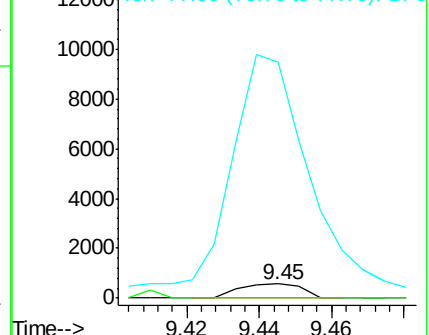
77 1646.0 73.7 113.7#

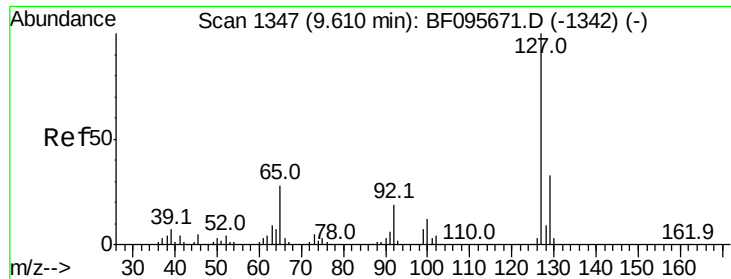


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

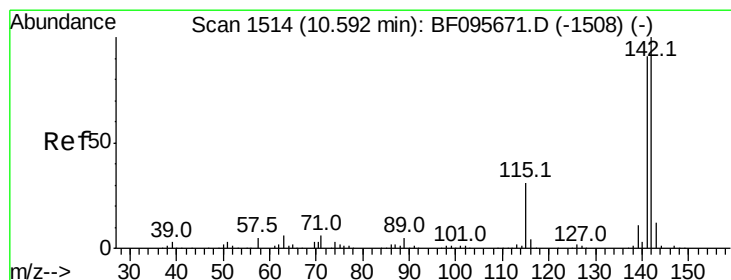
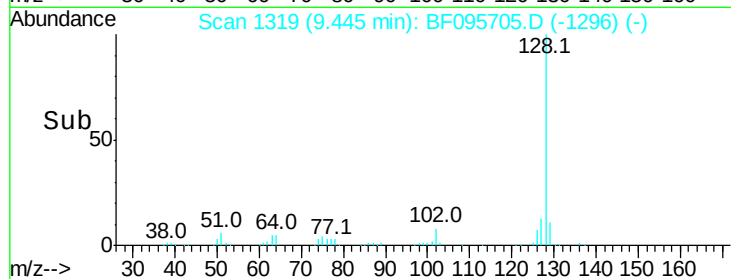
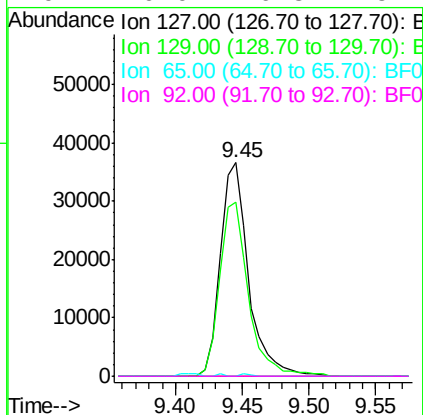
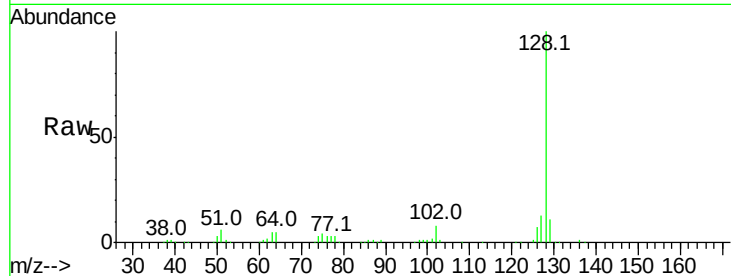




#33
4-Chloroaniline
Concen: 7.89 ng
RT: 9.45 min Scan# 1319
Delta R.T. -0.16 min
Lab File: BF095705.D
Acq: 6 Jun 2017 13:00

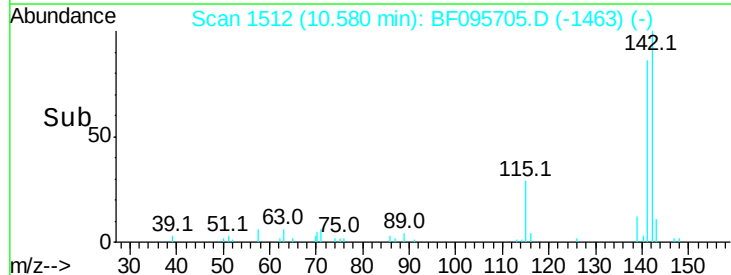
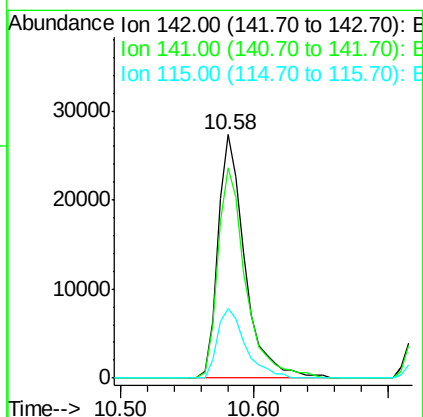
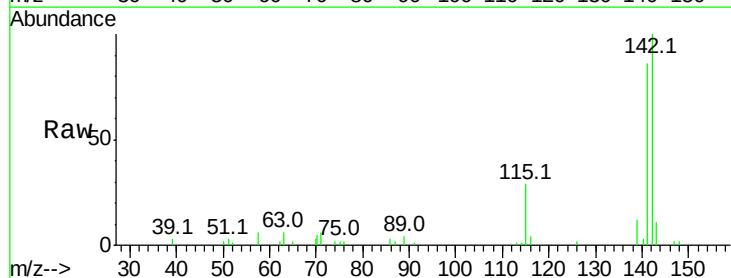
Instrument :
BNA_F
ClientSampleId :

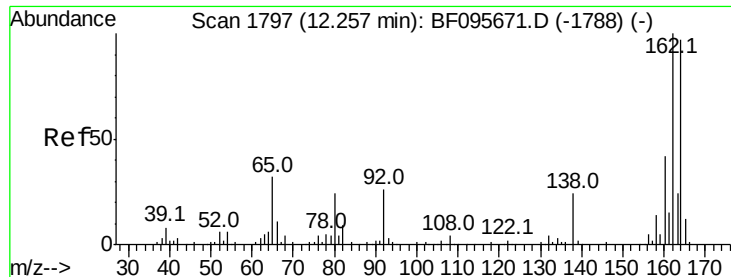
Tot Ion:127 Resp: 54699
Ion Ratio Lower Upper
127 100
129 81.2 26.2 39.2#
65 0.0 27.8 41.8#
92 0.0 16.8 25.2#



#37
2-Methylnaphthalene
Concen: 3.24 ng
RT: 10.58 min Scan# 1512
Delta R.T. -0.01 min
Lab File: BF095705.D
Acq: 6 Jun 2017 13:00

Tgt Ion:142 Resp: 38794
Ion Ratio Lower Upper
142 100
141 86.2 71.3 106.9
115 28.6 27.1 40.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.23 min Scan# 1793

Delta R.T. -0.02 min

Lab File: BF095705.D

Acq: 6 Jun 2017 13:00

Instrument :

BNA_F

ClientSampleId :

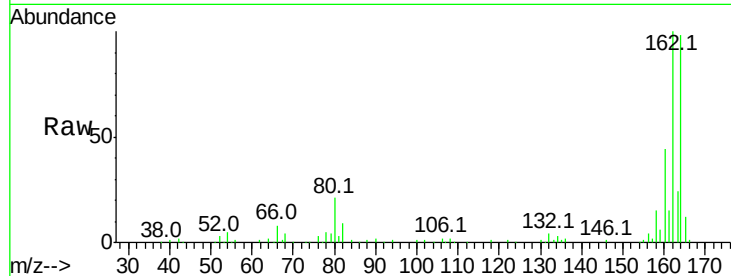
Tot Ion:164 Resp: 169733

Ion Ratio Lower Upper

164 100

162 101.5 82.6 123.8

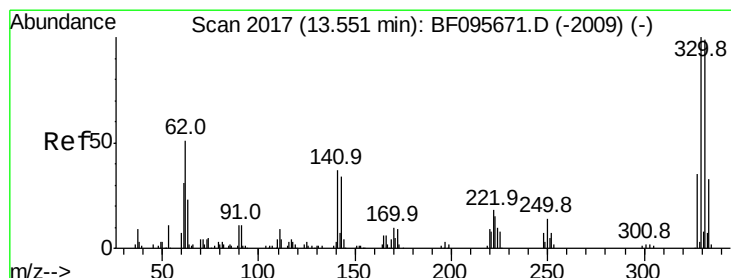
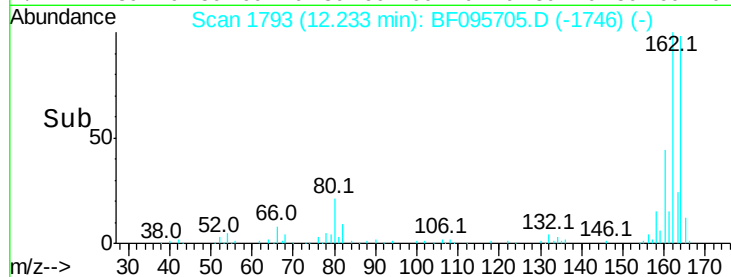
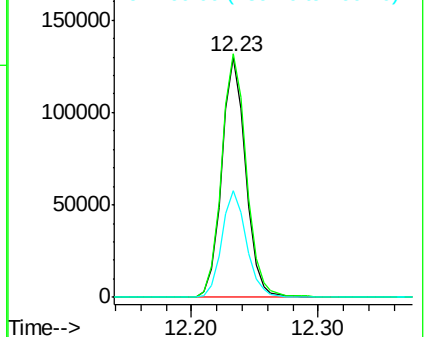
160 44.5 36.2 54.2



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: 142.01 ng

RT: 13.53 min Scan# 2014

Delta R.T. -0.02 min

Lab File: BF095705.D

Acq: 6 Jun 2017 13:00

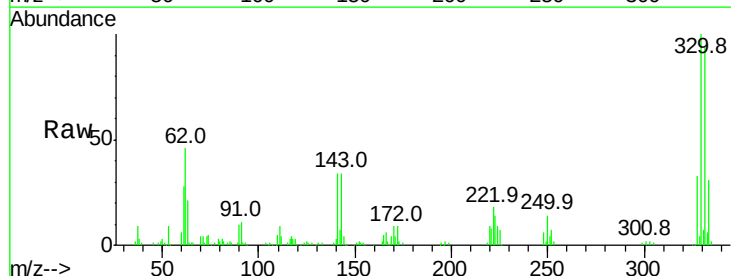
Tgt Ion:330 Resp: 213267

Ion Ratio Lower Upper

330 100

332 94.5 76.6 115.0

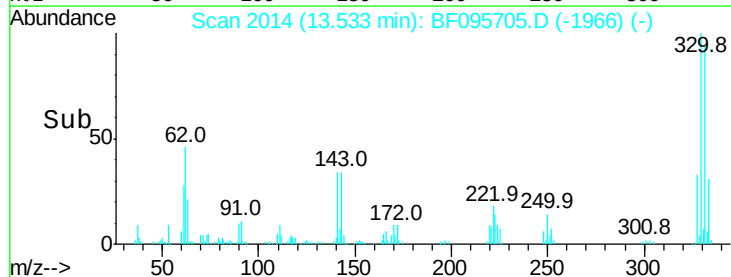
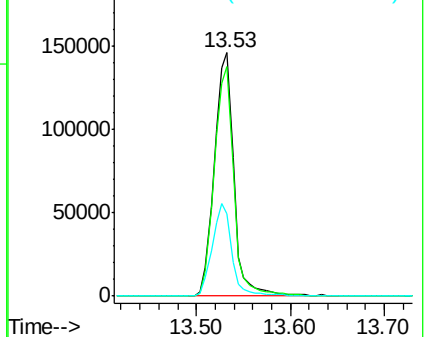
141 38.3 31.4 47.2

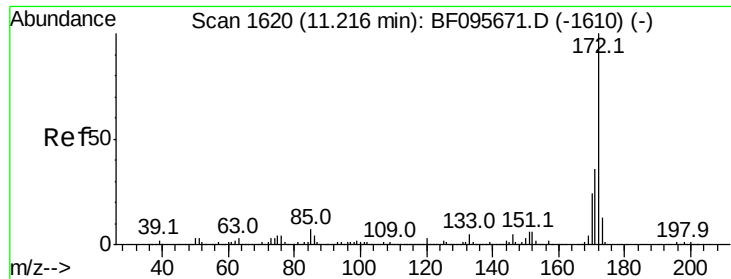


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

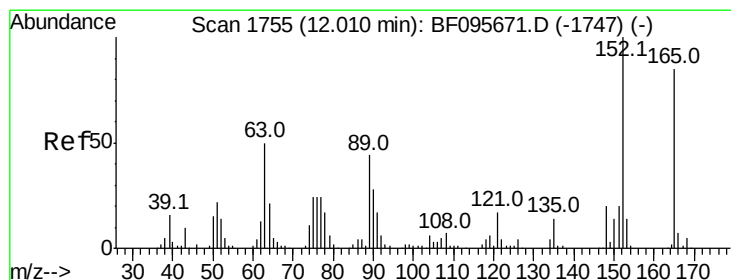
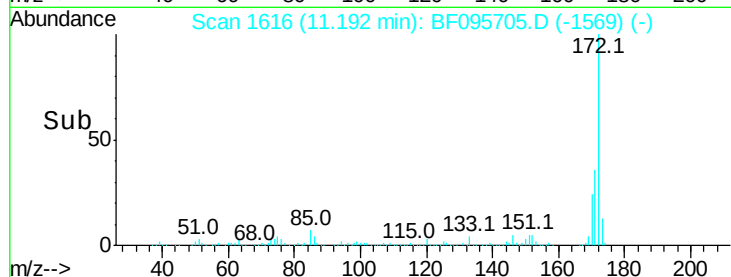
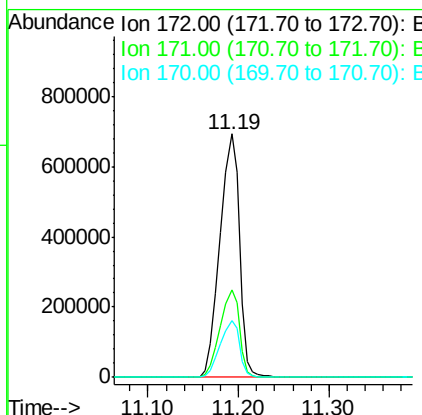
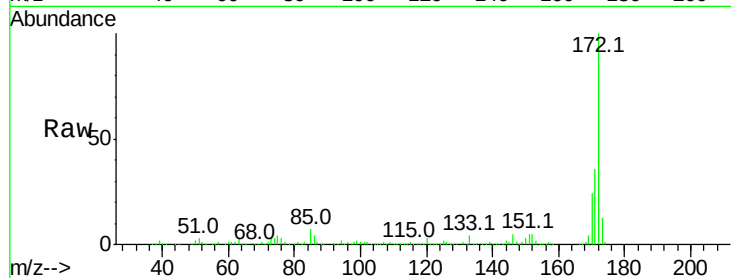




#44
2-Fluorobiphenyl
Concen: 84.70 ng
RT: 11.19 min Scan# 1616
Delta R.T. -0.02 min
Lab File: BF095705.D
Acq: 6 Jun 2017 13:00

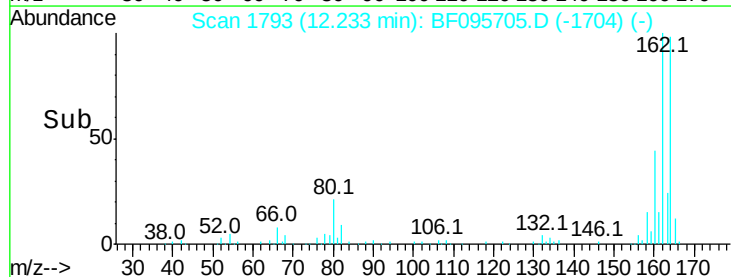
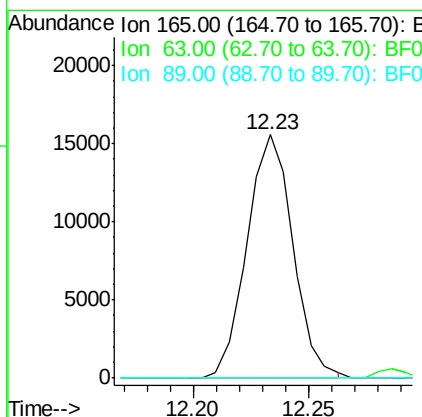
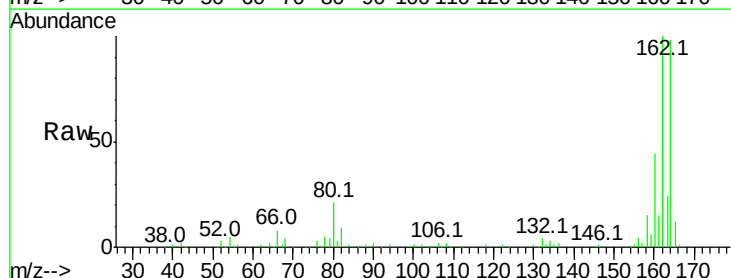
Instrument :
BNA_F
ClientSampleId :

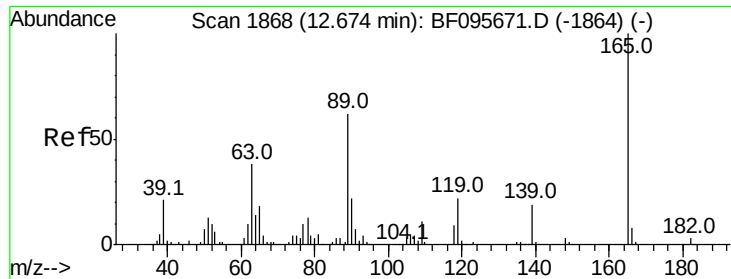
Tot Ion:172 Resp: 1033060
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 23.6 19.8 29.8



#50
2,6-Dinitrotoluene
Concen: 7.66 ng
RT: 12.23 min Scan# 1793
Delta R.T. 0.22 min
Lab File: BF095705.D
Acq: 6 Jun 2017 13:00

Tgt Ion:165 Resp: 21533
Ion Ratio Lower Upper
165 100
63 0.0 34.3 51.5#
89 0.0 37.1 55.7#

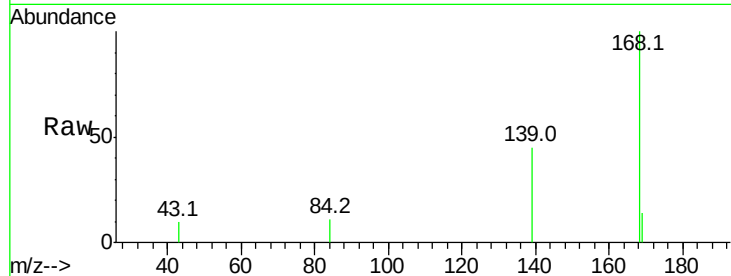




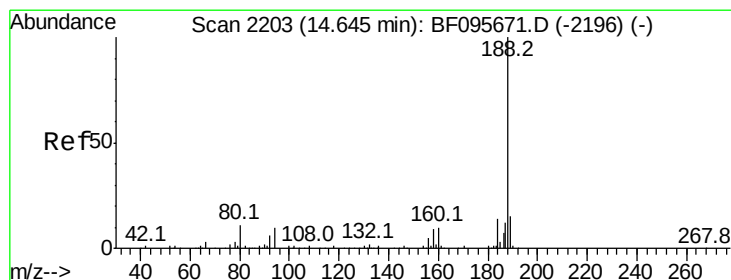
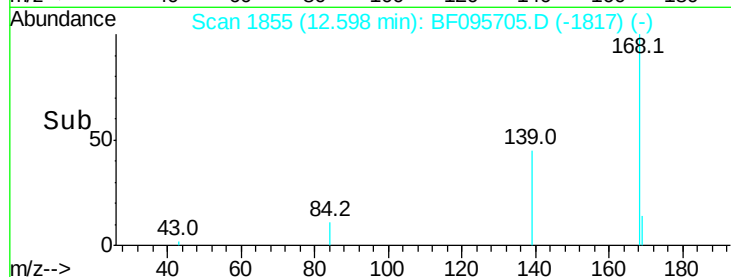
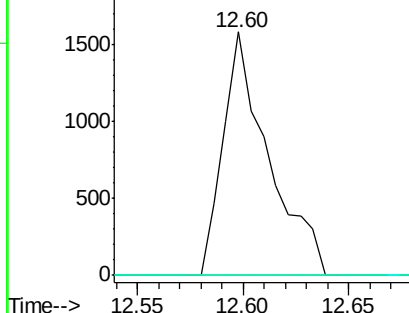
#55
4-Nitrophenol
Concen: 5.79 ng
RT: 12.60 min Scan# 1855
Delta R.T. -0.08 min
Lab File: BF095705.D
Acq: 6 Jun 2017 13:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 2361
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

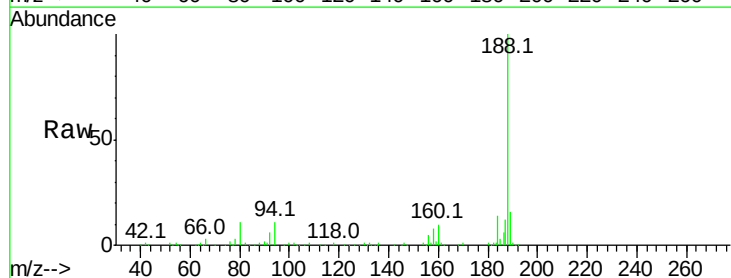


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

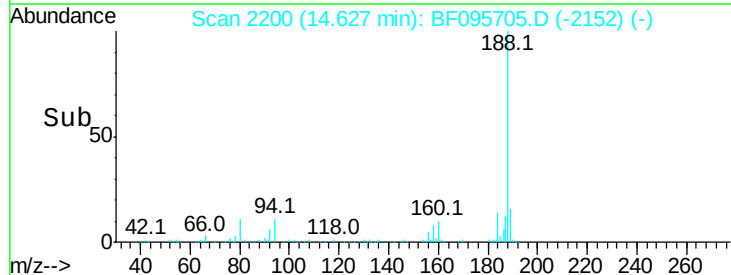
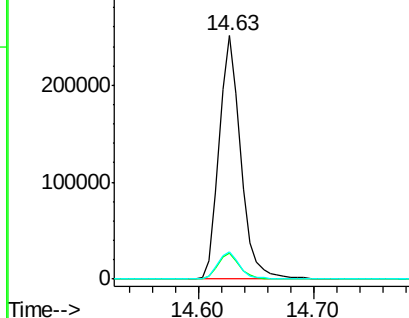


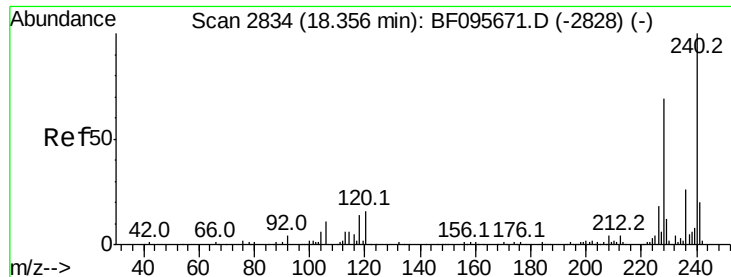
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.63 min Scan# 2200
Delta R.T. -0.02 min
Lab File: BF095705.D
Acq: 6 Jun 2017 13:00

Tgt Ion:188 Resp: 326781
Ion Ratio Lower Upper
188 100
94 10.7 9.4 14.2
80 11.3 10.2 15.2



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.34 min Scan# 2831

Delta R.T. -0.02 min

Lab File: BF095705.D

Acq: 6 Jun 2017 13:00

Instrument :

BNA_F

ClientSampleId :

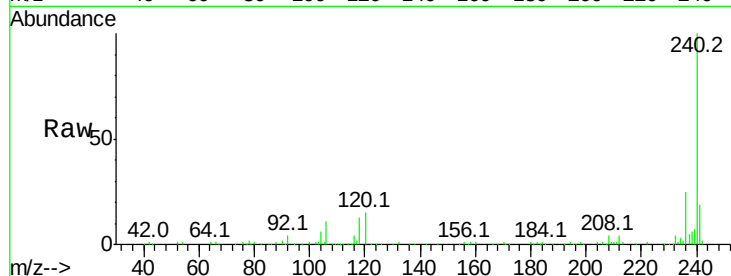
Tot Ion:240 Resp: 294689

Ion Ratio Lower Upper

240 100

120 15.3 5.8 8.8#

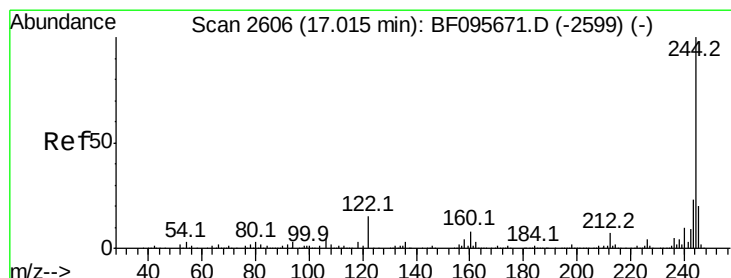
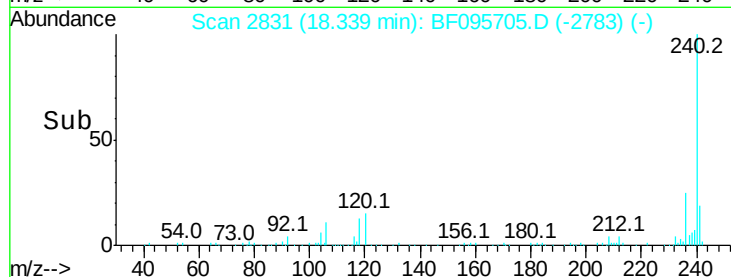
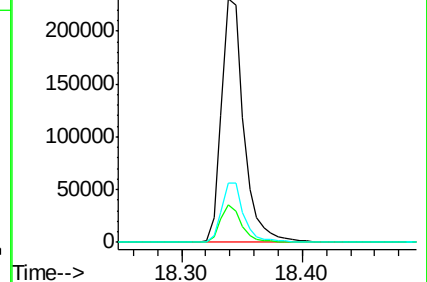
236 24.6 20.5 30.7



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: 80.79 ng

RT: 17.01 min Scan# 2605

Delta R.T. -0.01 min

Lab File: BF095705.D

Acq: 6 Jun 2017 13:00

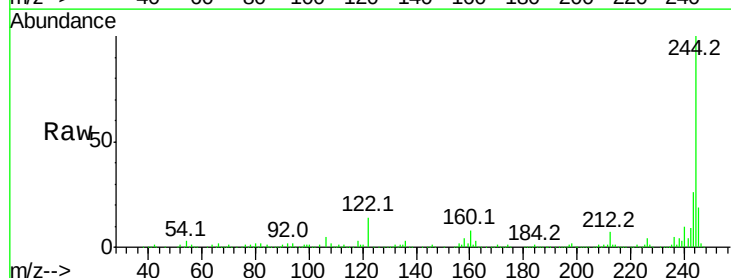
Tgt Ion:244 Resp: 959336

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

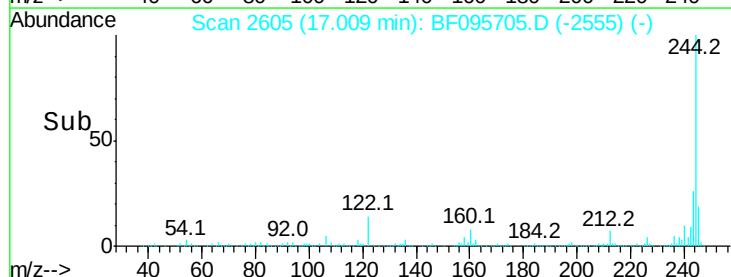
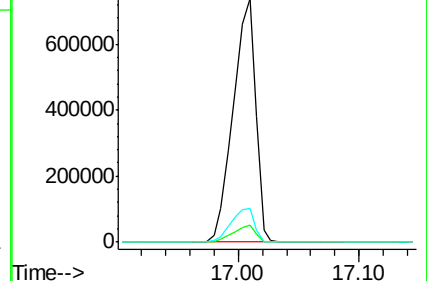
122 13.7 10.3 15.5

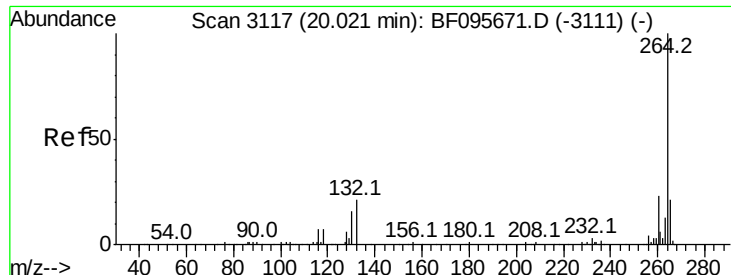


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

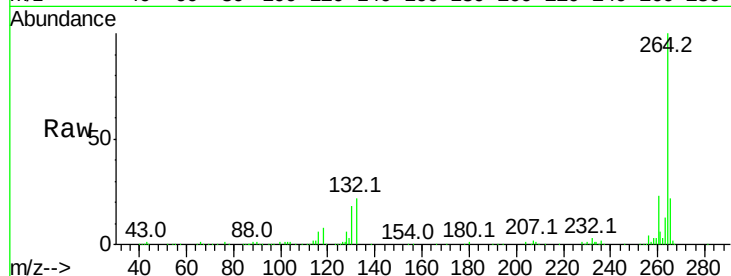




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 20.01 min Scan# 3115
 Delta R.T. -0.01 min
 Lab File: BF095705.D
 Acq: 6 Jun 2017 13:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264 Resp: 232978
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.5 29.3
 265 22.1 17.2 25.8



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

