

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
 Data File : BF096986.D
 Acq On : 24 Jul 2017 12:52
 Operator : SJ/JU
 Sample : I4370-03 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 24 14:02:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	139338	20.00	ng	-0.06
21) Naphthalene-d8	7.82	136	540299	20.00	ng	-0.06
38) Acenaphthene-d10	9.57	164	231329	20.00	ng	-0.06
63) Phenanthrene-d10	11.05	188	369847	20.00	ng	-0.06
75) Chrysene-d12	13.67	240	217302	20.00	ng	-0.06
86) Perylene-d12	15.03	264	201188	20.00	ng	-0.08

System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	176215	19.02	ng	-0.05
7) Phenol-d6	6.20	99	223653	20.11	ng	-0.05
23) Nitrobenzene-d5	7.10	82	122790	14.08	ng	-0.06
41) 2,4,6-Tribromophenol	10.36	330	34251	17.35	ng	-0.06
44) 2-Fluorobiphenyl	8.90	172	216705	14.80	ng	-0.06
78) Terphenyl-d14	12.63	244	125508	10.02	ng	-0.06

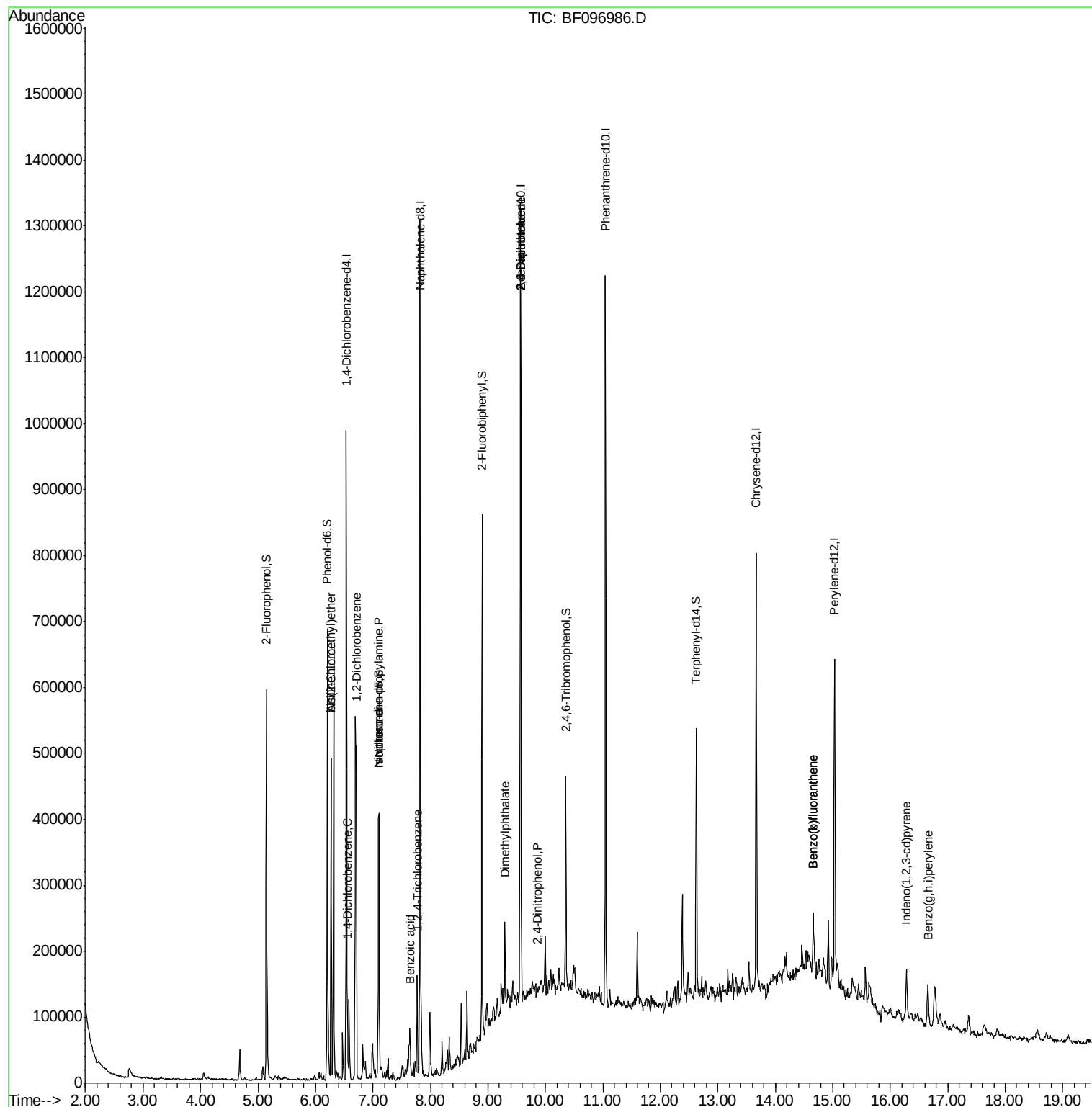
Target Compounds				Qvalue		
6) Aniline	6.27	93	133608	9.754	ng	# 52
11) bis(2-Chloroethyl)ether	6.27	93	133608	14.133	ng	92
13) 1,4-Dichlorobenzene	6.56	146	24691	2.294	ng	93
14) 1,2-Dichlorobenzene	6.71	146	111177	11.358	ng	96
19) n-Nitroso-di-n-propylamine	7.10	70	16251	2.426	ng	# 79
25) Isophorone	7.10	82	121322	7.477	ng	# 67
30) 1,2,4-Trichlorobenzene	7.77	180	24406	3.436	ng	95
32) Benzoic acid	7.65	122	24555	4.655	ng	# 15
49) Dimethylphthalate	9.30	163	44584	2.560	ng	99
50) 2,6-Dinitrotoluene	9.57	165	29769	7.890	ng	# 35
53) 2,4-Dinitrophenol	9.87	184	109	6.794	ng	# 5
56) 2,4-Dinitrotoluene	9.57	165	29769	6.140	ng	# 34
60) 4-Chlorophenyl-phenylether	10.10	204	310	Below Cal		# 58
85) Indeno(1,2,3-cd)pyrene	16.28	276	41840	6.583	ng	99
87) Benzo(b)fluoranthene	14.66	252	48878	4.028	ng	# 93
88) Benzo(k)fluoranthene	14.66	252	48878	4.254	ng	96
91) Benzo(a,h,i)perylene	16.66	276	43648	3.980	ng	97

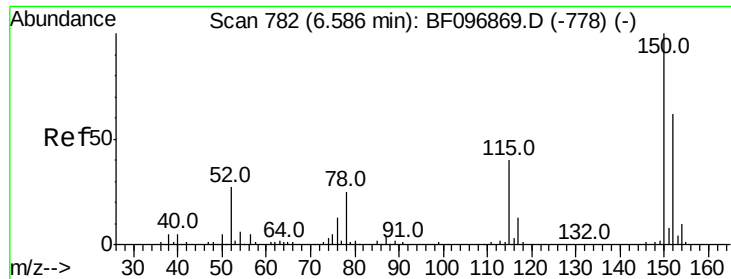
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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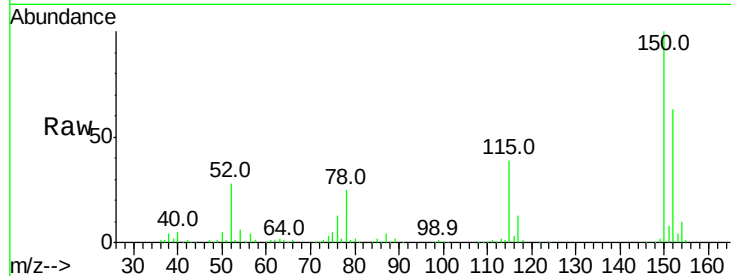


#1

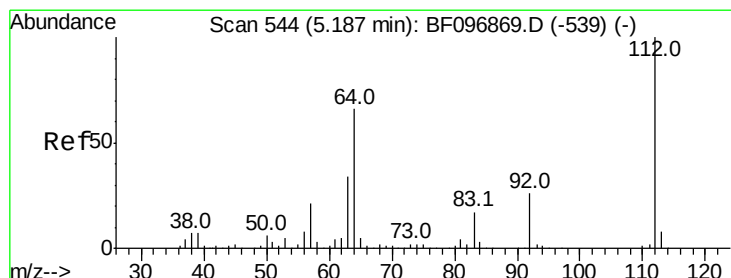
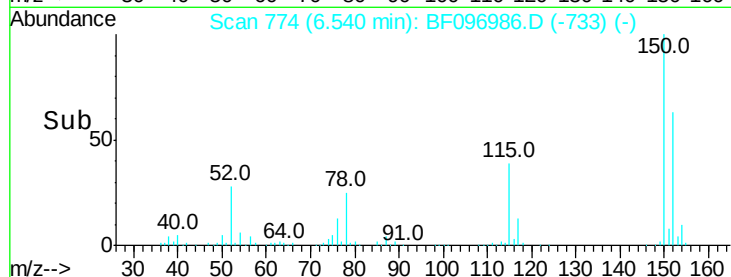
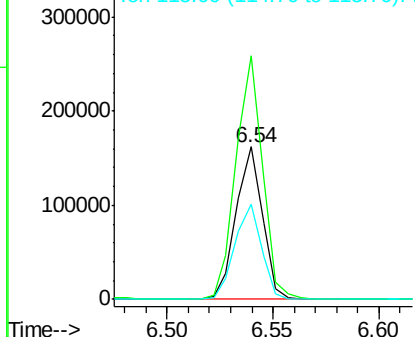
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.54 min Scan# 774
Delta R.T. -0.06 min
Lab File: BF096986.D
Acq: 24 Jul 2017 12:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 139338
Ion Ratio Lower Upper
152 100
150 159.7 126.2 189.2
115 62.1 52.2 78.2



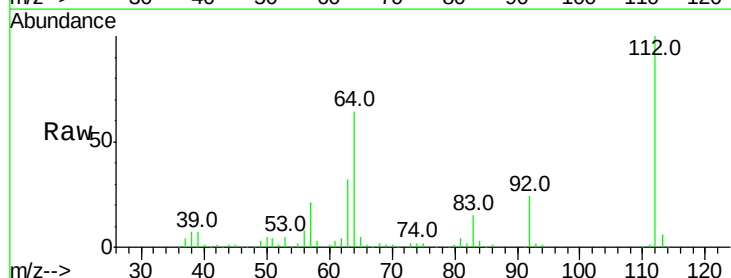
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



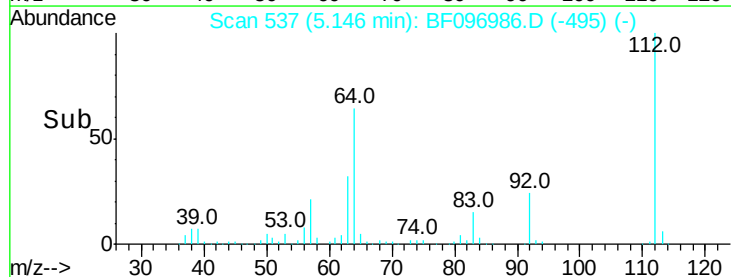
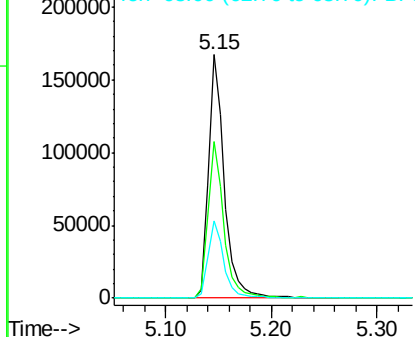
#5

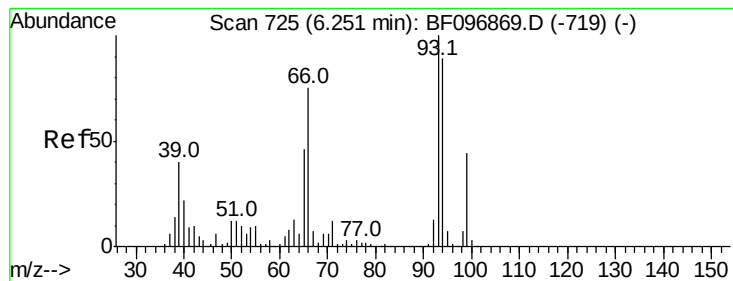
2-Fluorophenol
Concen: 19.015 ng
RT: 5.15 min Scan# 537
Delta R.T. -0.05 min
Lab File: BF096986.D
Acq: 24 Jul 2017 12:52

Tgt Ion:112 Resp: 176215
Ion Ratio Lower Upper
112 100
64 64.3 46.0 69.0
63 31.9 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





#6

Aniline

Concen: 9.754 ng

RT: 6.27 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF096986.D

Acq: 24 Jul 2017 12:52

Instrument :

BNA_F

ClientSampleId :

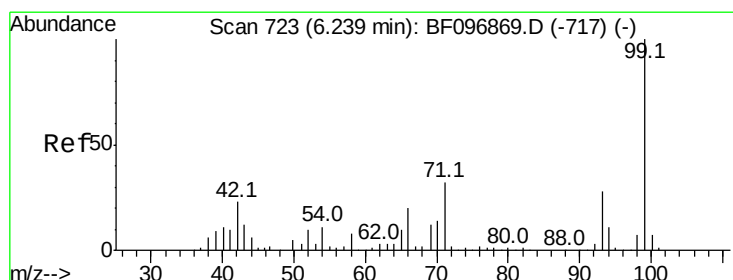
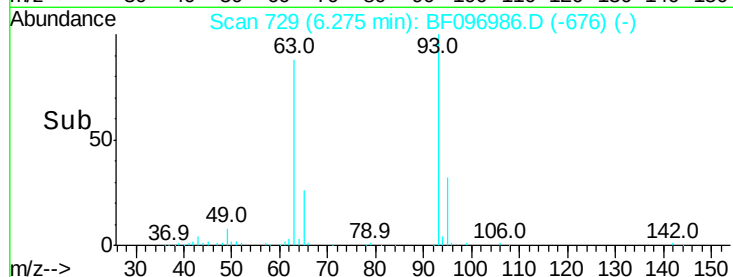
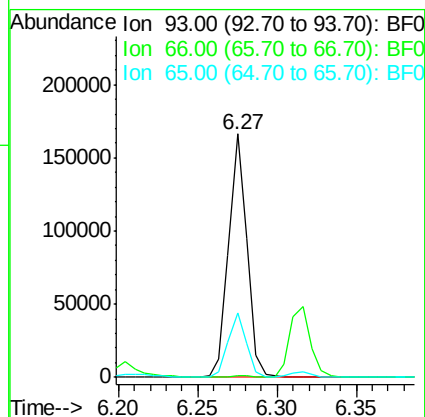
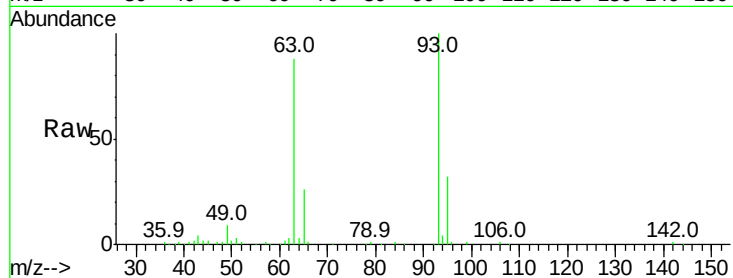
Tot Ion: 93 Resp: 133608

Ion Ratio Lower Upper

93 100

66 0.6 32.9 49.3#

65 26.4 16.0 24.0#



#7

Phenol-d6

Concen: 20.111 ng

RT: 6.20 min Scan# 717

Delta R.T. -0.05 min

Lab File: BF096986.D

Acq: 24 Jul 2017 12:52

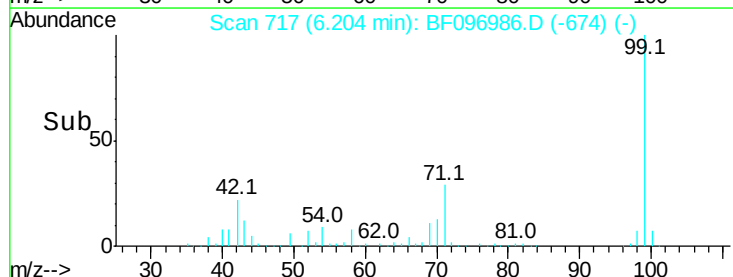
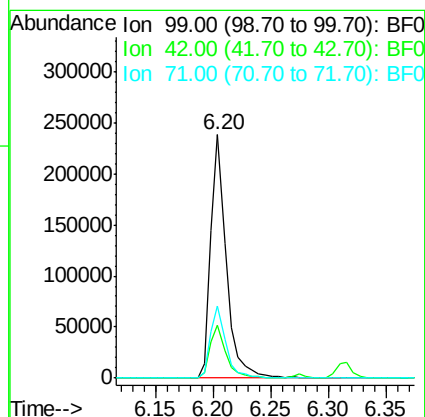
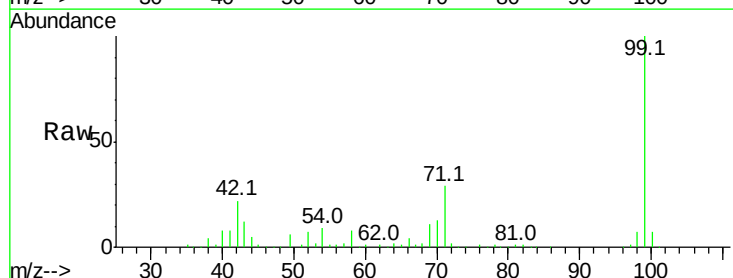
Tgt Ion: 99 Resp: 223653

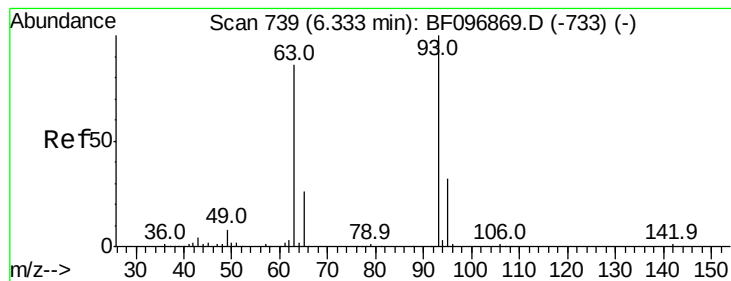
Ion Ratio Lower Upper

99 100

42 21.8 13.5 20.3#

71 29.4 24.5 36.7





#11

bis(2-Chloroethyl)ether

Concen: 14.133 ng

RT: 6.27 min Scan# 729

Delta R.T. -0.07 min

Lab File: BF096986.D

Acq: 24 Jul 2017 12:52

Instrument :

BNA_F

ClientSampleId :

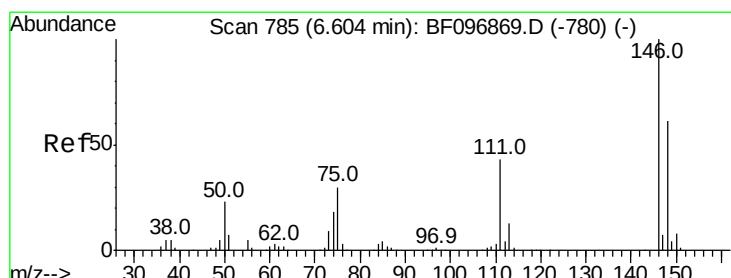
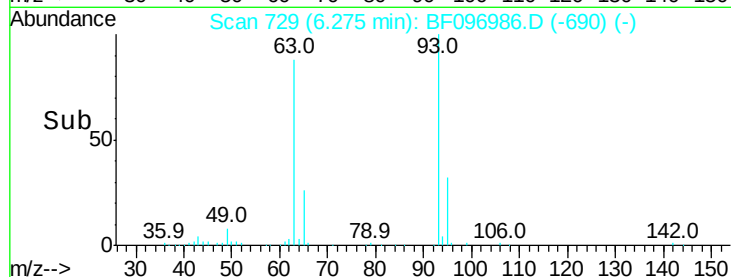
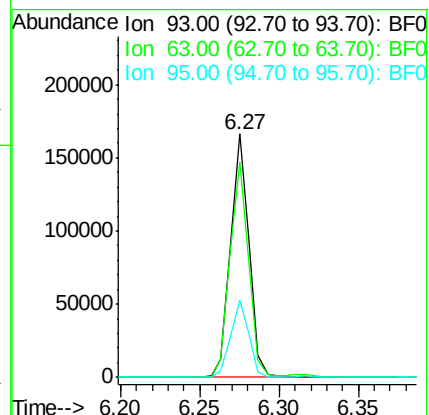
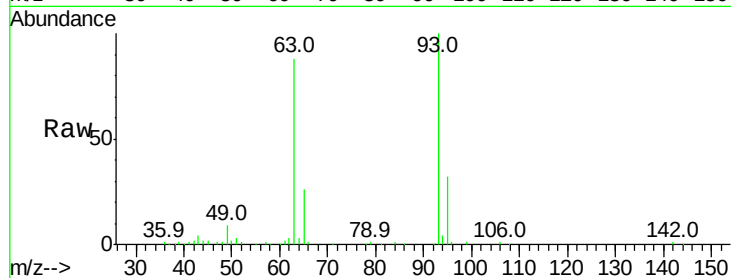
Tot Ion: 93 Resp: 133608

Ion Ratio Lower Upper

93 100

63 88.5 59.2 99.2

95 31.7 12.8 52.8



#13

1,4-Dichlorobenzene

Concen: 2.294 ng

RT: 6.56 min Scan# 777

Delta R.T. -0.06 min

Lab File: BF096986.D

Acq: 24 Jul 2017 12:52

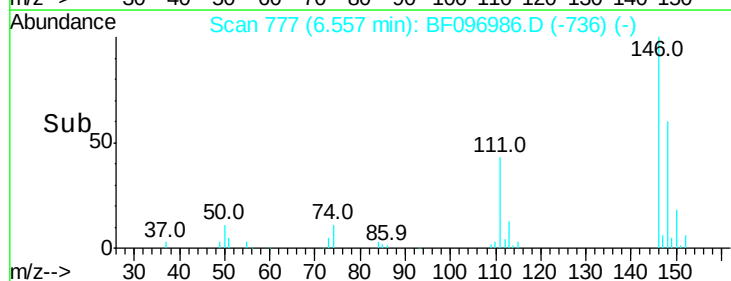
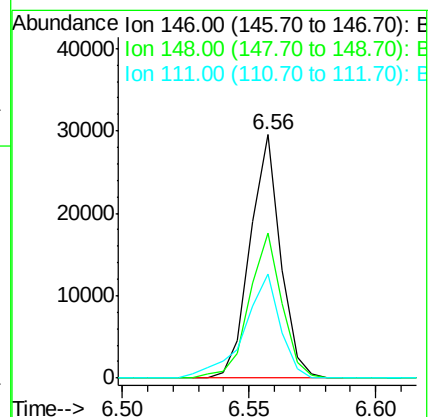
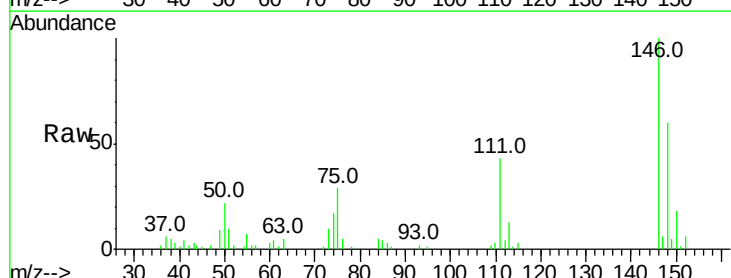
Tgt Ion:146 Resp: 24691

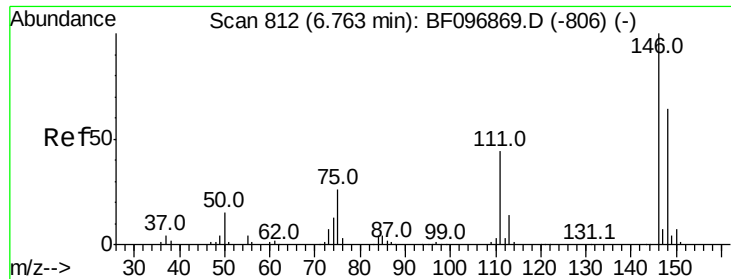
Ion Ratio Lower Upper

146 100

148 59.7 52.2 78.2

111 42.8 30.3 45.5

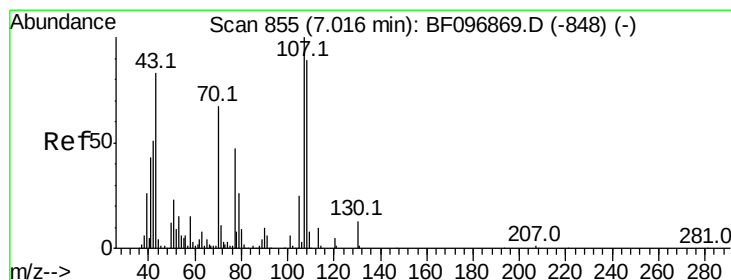
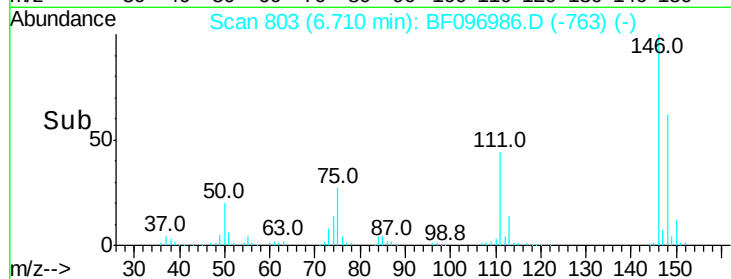
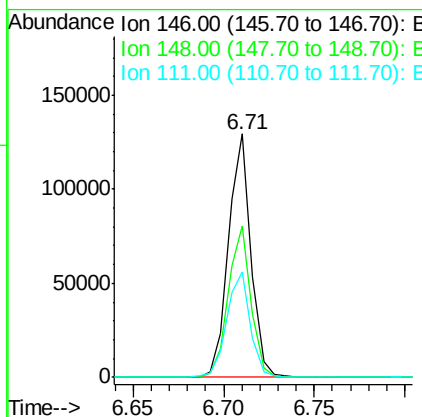
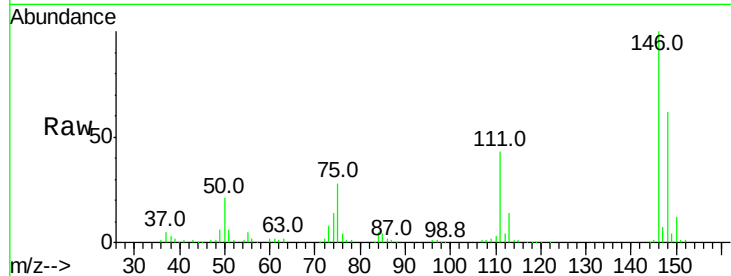




#14
 1,2-Dichlorobenzene
 Concen: 11.358 ng
 RT: 6.71 min Scan# 803
 Delta R.T. -0.06 min
 Lab File: BF096986.D
 Acq: 24 Jul 2017 12:52

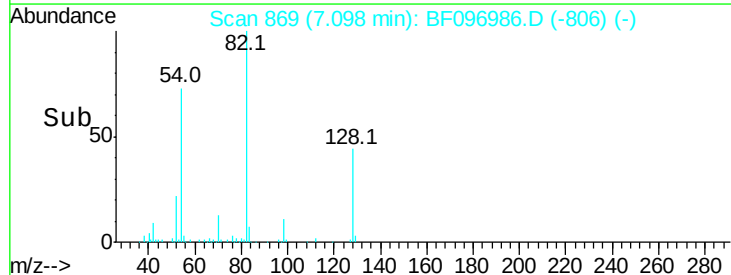
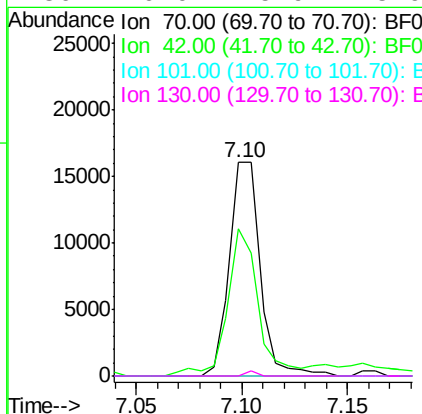
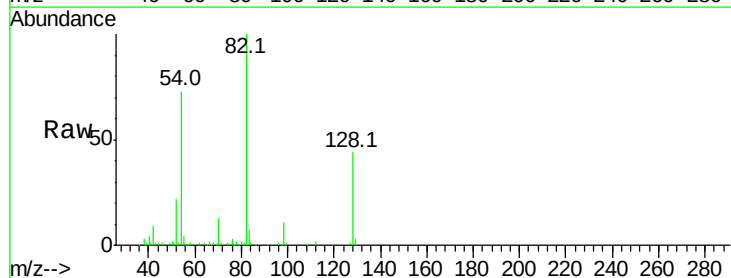
Instrument :
 BNA_F
 ClientSampleId :

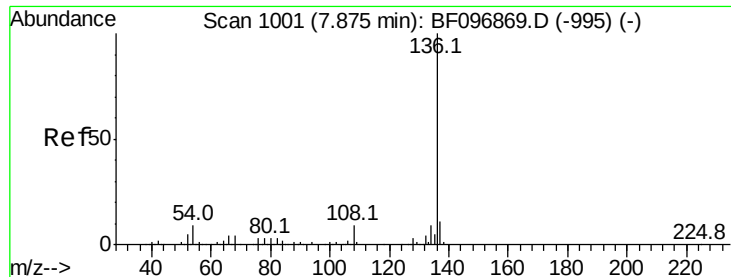
Tot Ion:146 Resp: 111177
 Ion Ratio Lower Upper
 146 100
 148 62.0 50.4 75.6
 111 43.1 38.2 57.4



#19
 n-Nitroso-di-n-propylamine
 Concen: 2.426 ng
 RT: 7.10 min Scan# 869
 Delta R.T. 0.07 min
 Lab File: BF096986.D
 Acq: 24 Jul 2017 12:52

Tgt Ion: 70 Resp: 16251
 Ion Ratio Lower Upper
 70 100
 42 68.9 47.2 70.8
 101 0.0 7.2 10.8#
 130 0.0 15.9 23.9#

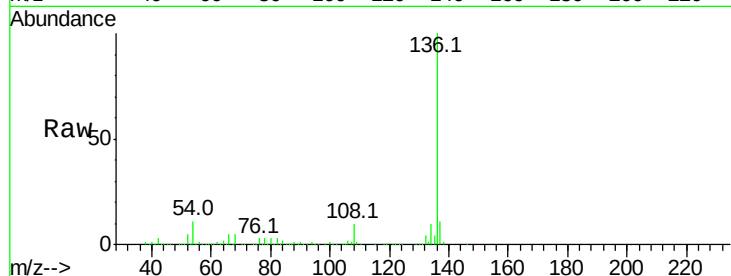




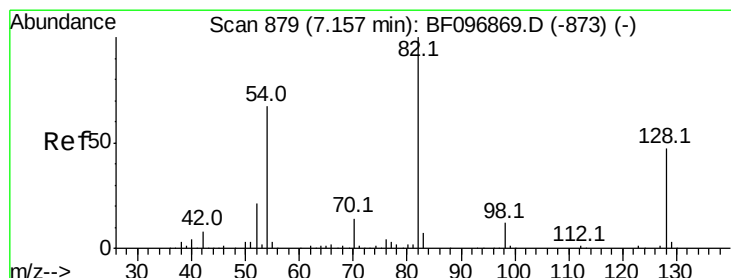
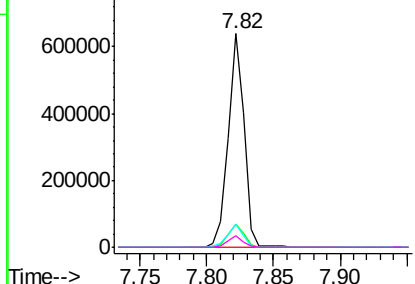
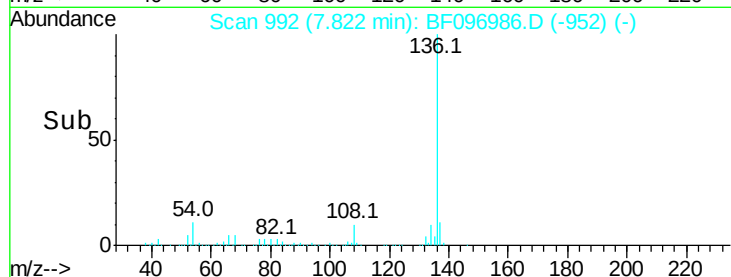
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.82 min Scan# 992
Delta R.T. -0.06 min
Lab File: BF096986.D
Acq: 24 Jul 2017 12:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	540299
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	10.7	4.9	7.3#
68	5.4	4.1	6.1

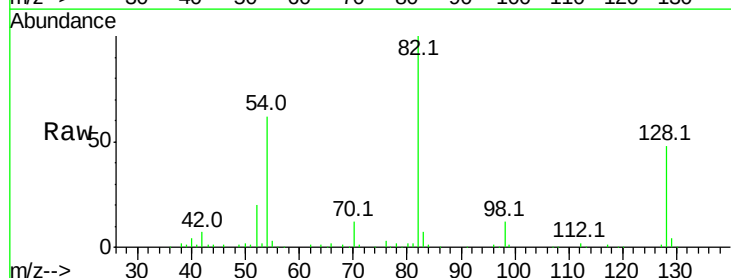


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

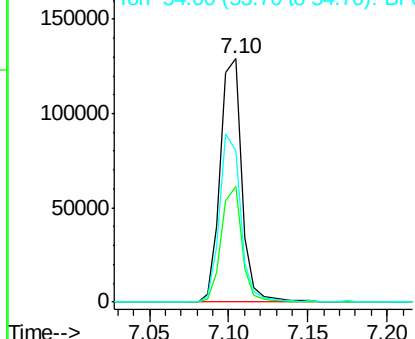
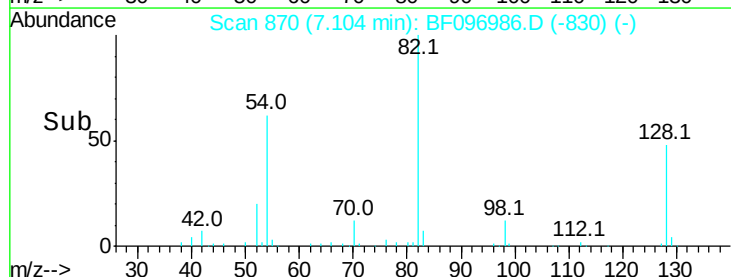


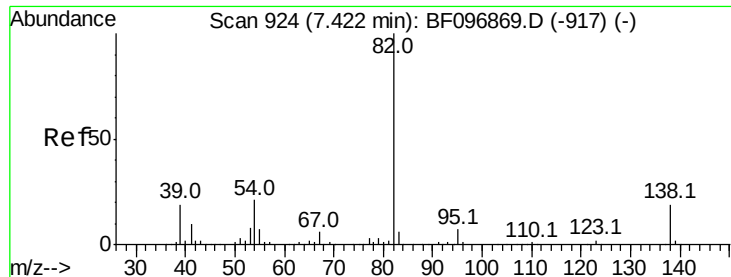
#23
Nitrobenzene-d5
Concen: 14.077 ng
RT: 7.10 min Scan# 870
Delta R.T. -0.06 min
Lab File: BF096986.D
Acq: 24 Jul 2017 12:52

Tgt Ion:	82	Resp:	122790
Ion	Ratio	Lower	Upper
82	100		
128	47.7	34.0	51.0
54	62.3	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

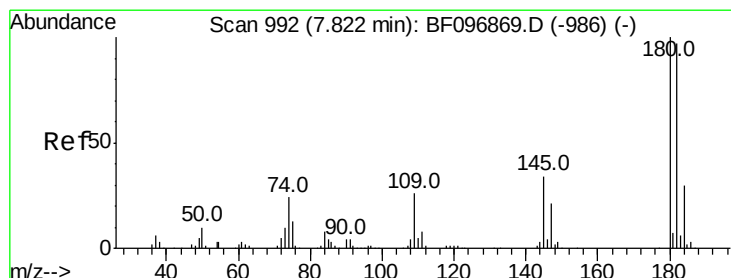
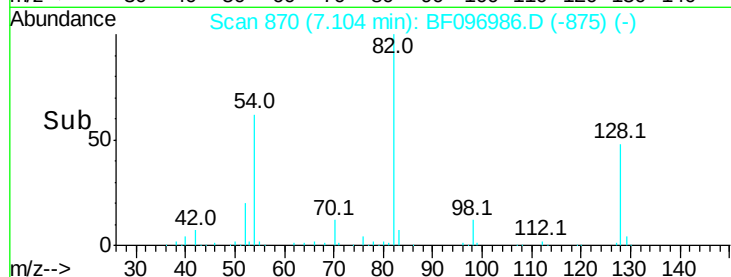
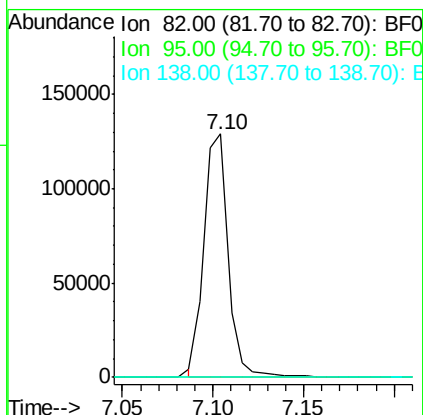
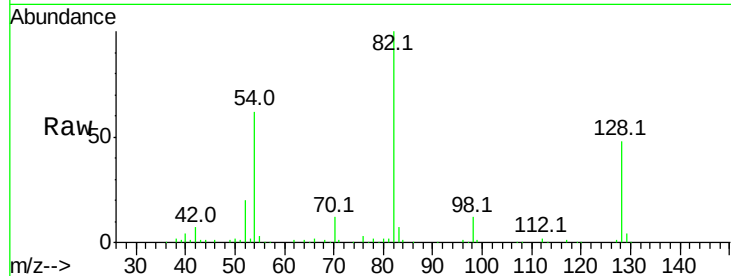




#25
Isophorone
Concen: 7.477 ng
RT: 7.10 min Scan# 870
Delta R.T. -0.33 min
Lab File: BF096986.D
Acq: 24 Jul 2017 12:52

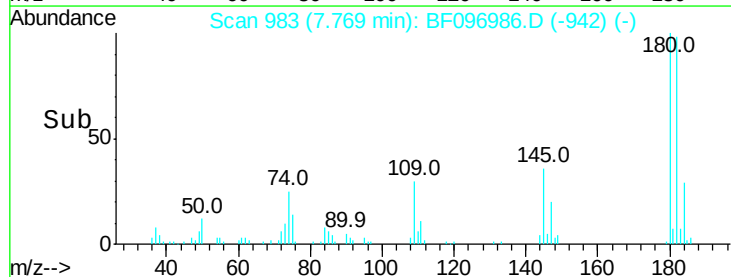
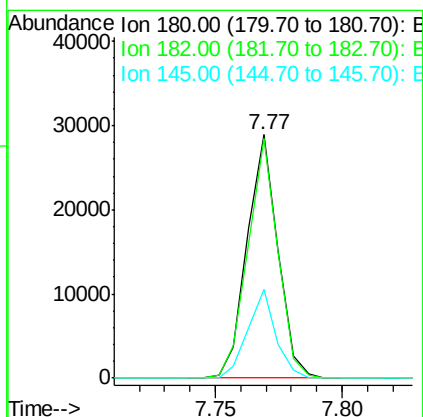
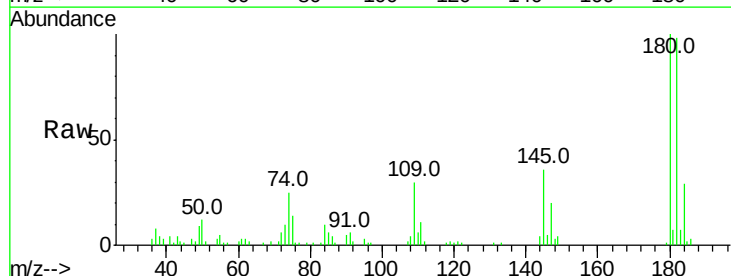
Instrument :
BNA_F
ClientSampled :

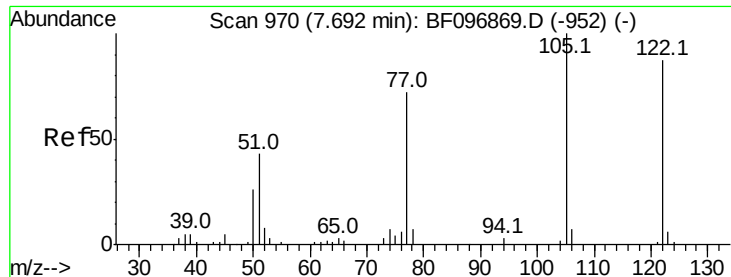
Tot Ion: 82 Resp: 121322
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#



#30
1,2,4-Trichlorobenzene
Concen: 3.436 ng
RT: 7.77 min Scan# 983
Delta R.T. -0.06 min
Lab File: BF096986.D
Acq: 24 Jul 2017 12:52

Tgt Ion:180 Resp: 24406
Ion Ratio Lower Upper
180 100
182 98.5 75.8 113.6
145 36.4 25.3 37.9

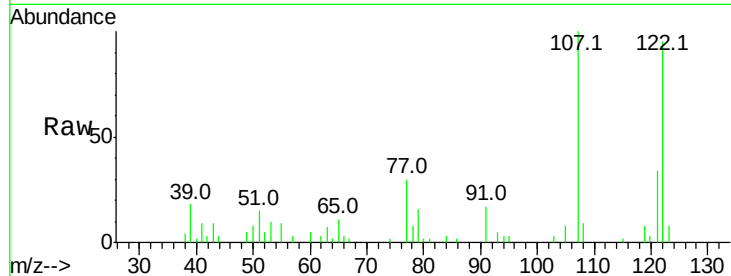




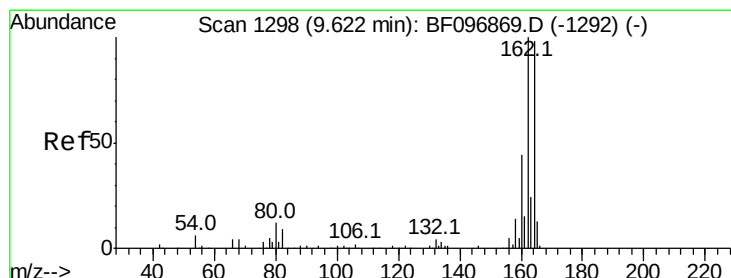
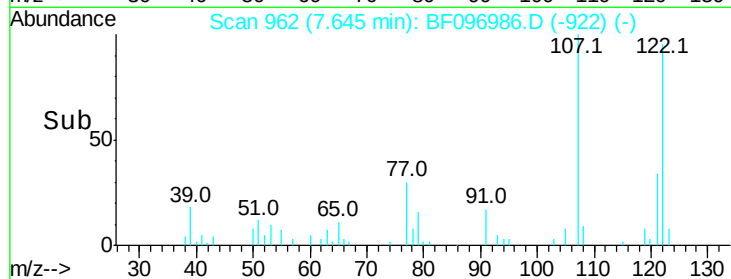
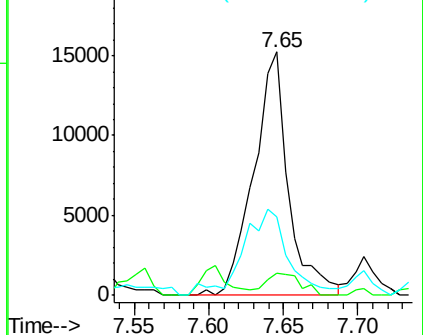
#32
Benzoic acid
Concen: 4.655 ng
RT: 7.65 min Scan# 962
Delta R.T. -0.06 min
Lab File: BF096986.D
Acq: 24 Jul 2017 12:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 24555
Ion Ratio Lower Upper
122 100
105 8.9 103.3 143.3#
77 32.1 73.7 113.7#

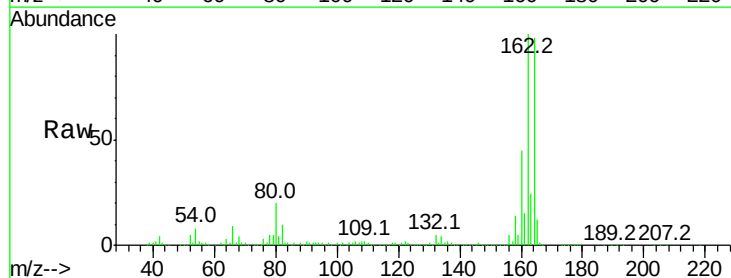


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

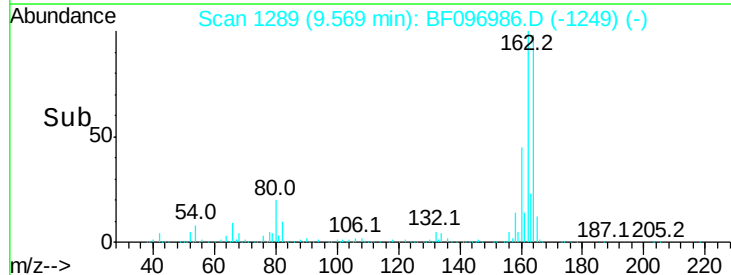
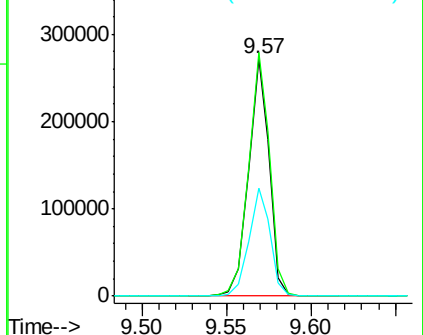


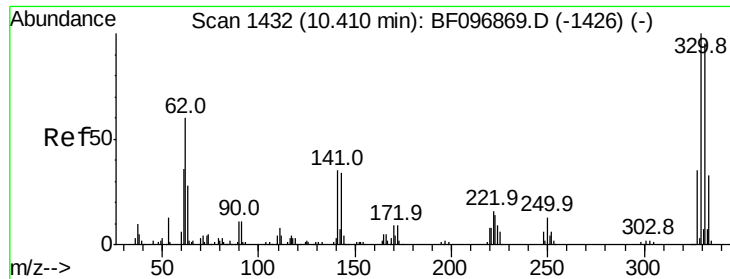
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.57 min Scan# 1289
Delta R.T. -0.06 min
Lab File: BF096986.D
Acq: 24 Jul 2017 12:52

Tgt Ion:164 Resp: 231329
Ion Ratio Lower Upper
164 100
162 102.4 82.6 123.8
160 45.6 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

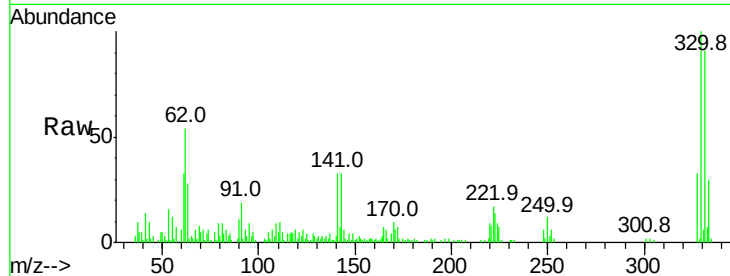




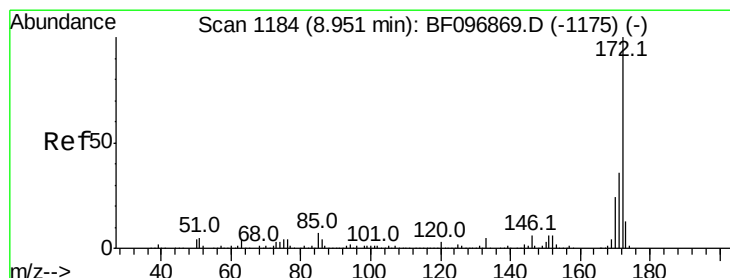
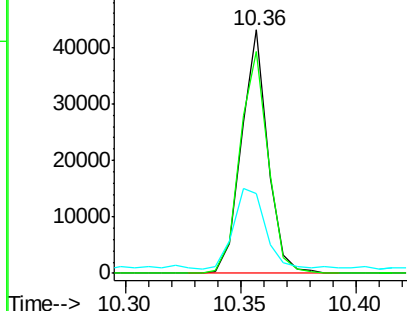
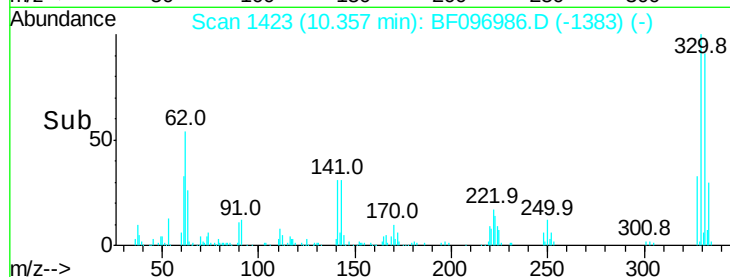
#41
 2,4,6-Tribromophenol
 Concen: 17.346 ng
 RT: 10.36 min Scan# 1423
 Delta R.T. -0.06 min
 Lab File: BF096986.D
 Acq: 24 Jul 2017 12:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 34251
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.6 115.0
 141 42.7 31.4 47.2

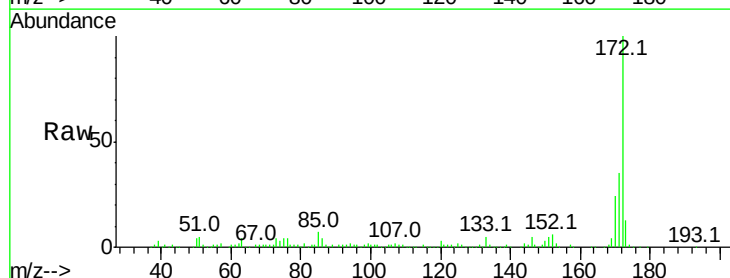


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

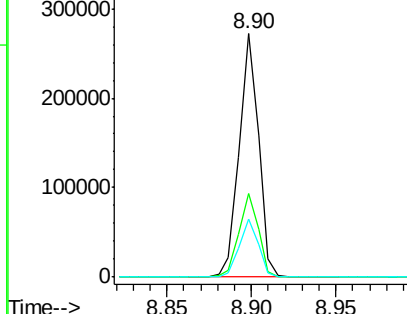
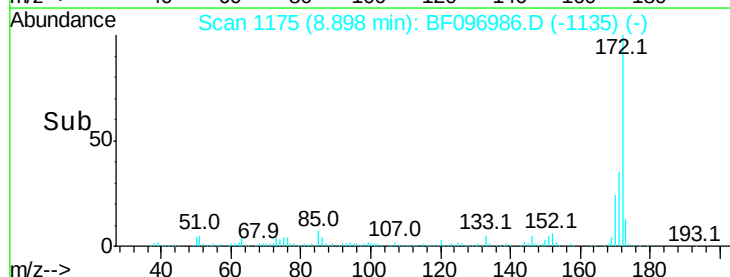


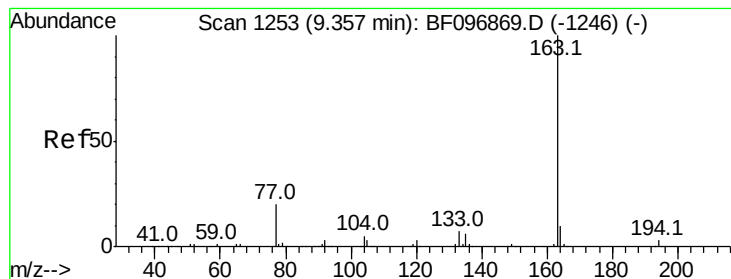
#44
 2-Fluorobiphenyl
 Concen: 14.800 ng
 RT: 8.90 min Scan# 1175
 Delta R.T. -0.06 min
 Lab File: BF096986.D
 Acq: 24 Jul 2017 12:52

Tgt Ion:172 Resp: 216705
 Ion Ratio Lower Upper
 172 100
 171 34.5 29.6 44.4
 170 23.8 19.8 29.8



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: 2.560 ng

RT: 9.30 min Scan# 1243

Delta R.T. -0.07 min

Lab File: BF096986.D

Acq: 24 Jul 2017 12:52

Instrument :

BNA_F

ClientSampleId :

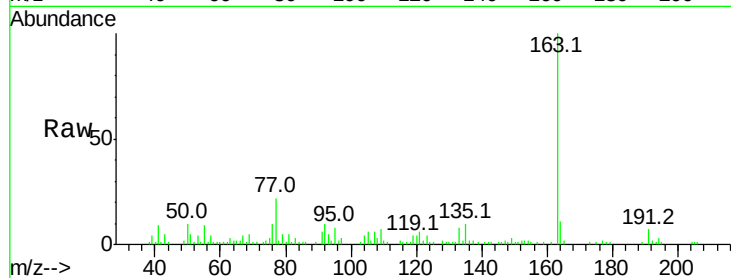
Tot Ion:163 Resp: 44584

Ion Ratio Lower Upper

163 100

194 2.9 2.6 4.0

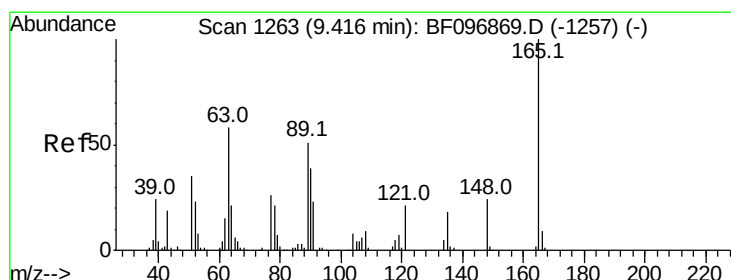
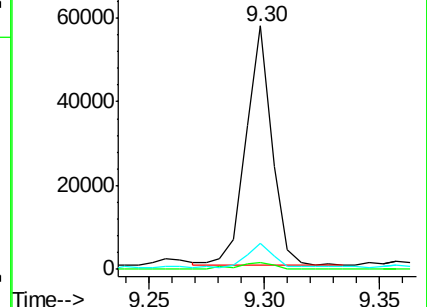
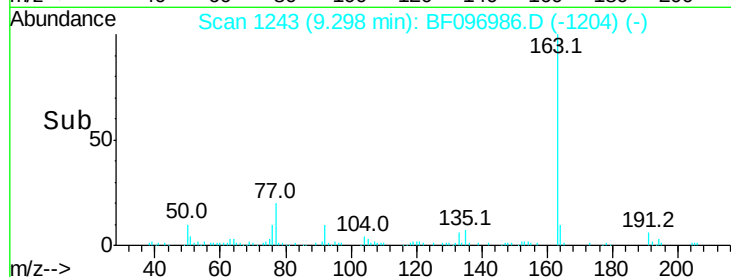
164 10.7 8.4 12.6



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



#50

2,6-Dinitrotoluene

Concen: 7.890 ng

RT: 9.57 min Scan# 1289

Delta R.T. 0.14 min

Lab File: BF096986.D

Acq: 24 Jul 2017 12:52

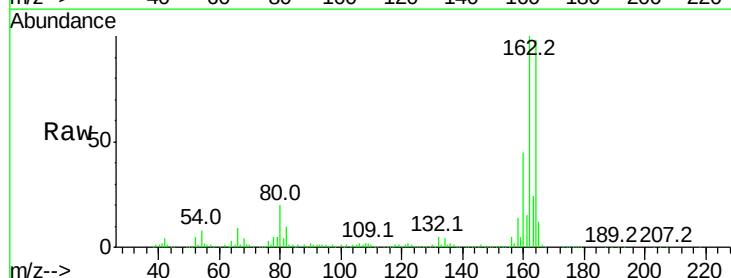
Tgt Ion:165 Resp: 29769

Ion Ratio Lower Upper

165 100

63 2.0 34.3 51.5#

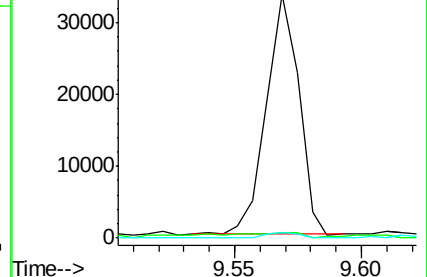
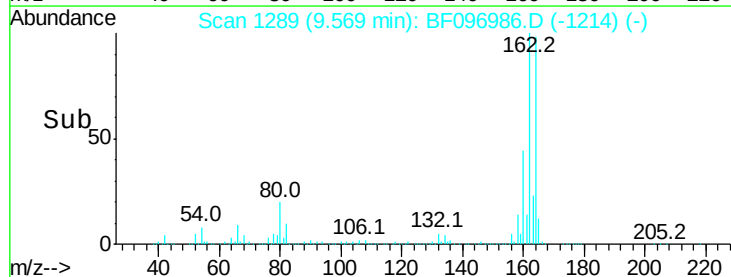
89 2.2 37.1 55.7#

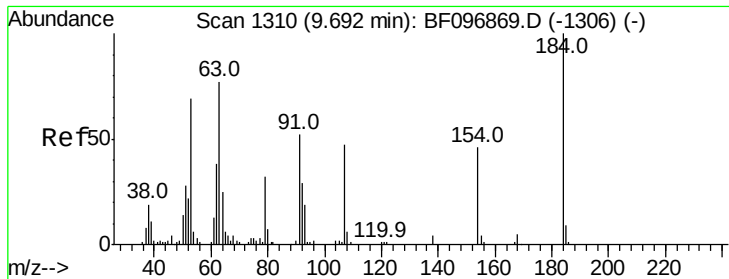


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

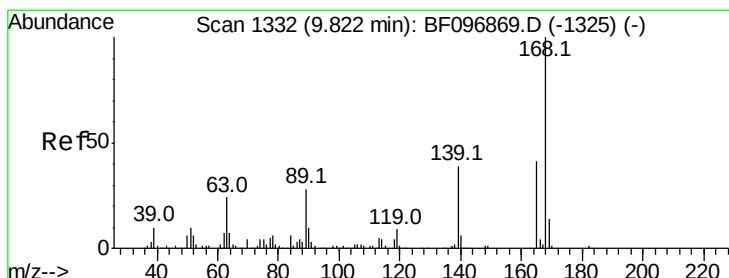
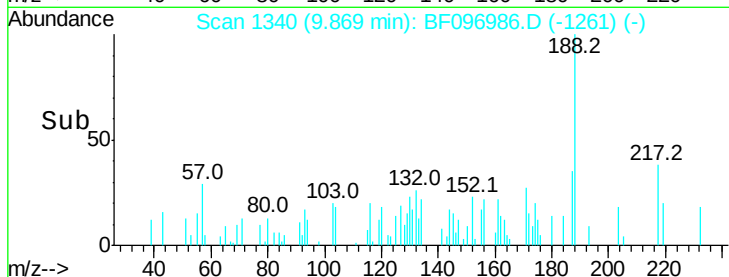
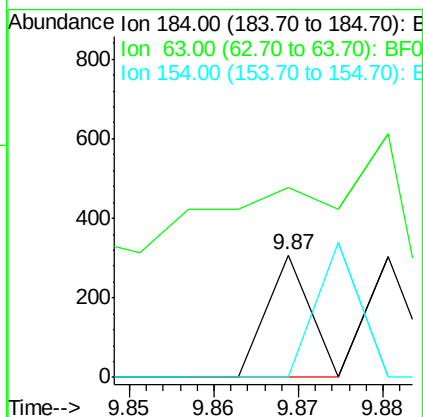
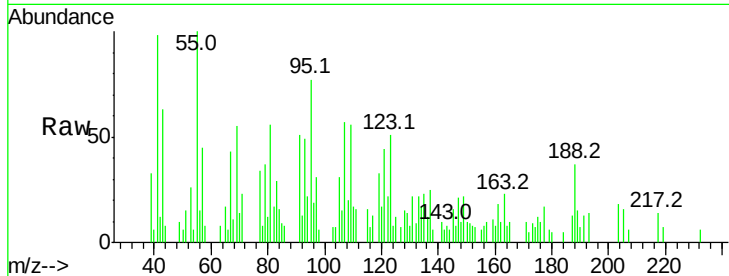




#53
2,4-Dinitrophenol
Concen: 6.794 ng
RT: 9.87 min Scan# 1340
Delta R.T. 0.16 min
Lab File: BF096986.D
Acq: 24 Jul 2017 12:52

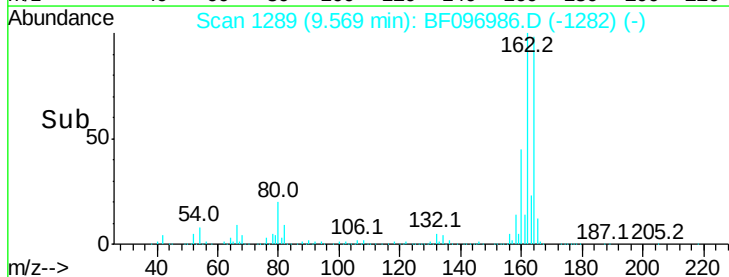
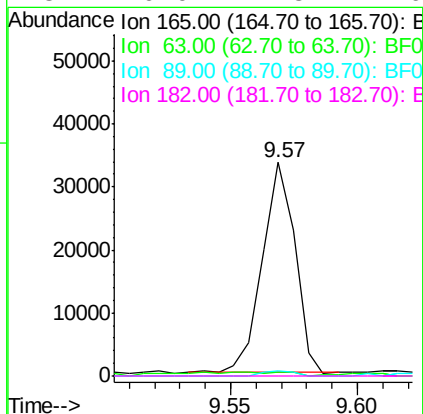
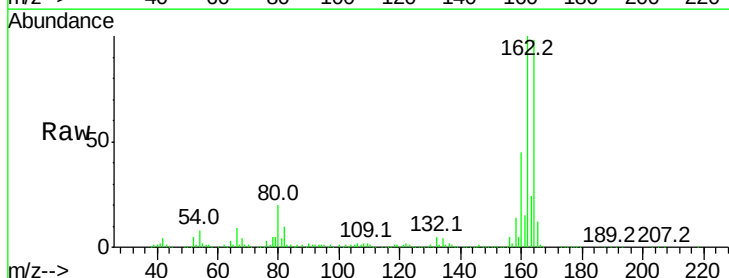
Instrument :
BNA_F
ClientSampleId :

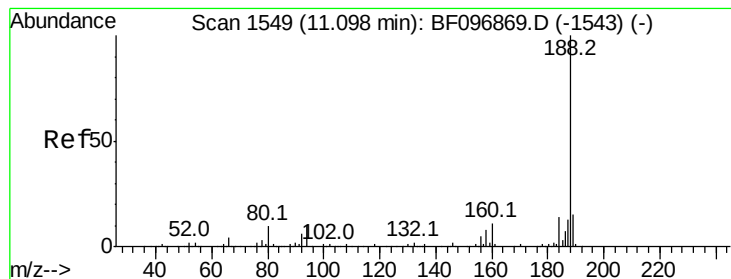
Tot Ion:184 Resp: 109
Ion Ratio Lower Upper
184 100
63 154.9 62.7 94.1#
154 0.0 81.1 121.7#



#56
2,4-Dinitrotoluene
Concen: 6.140 ng
RT: 9.57 min Scan# 1289
Delta R.T. -0.26 min
Lab File: BF096986.D
Acq: 24 Jul 2017 12:52

Tgt Ion:165 Resp: 29769
Ion Ratio Lower Upper
165 100
63 2.0 25.4 38.0#
89 2.2 46.4 69.6#
182 0.0 1.8 2.6#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.05 min Scan# 1540

Delta R.T. -0.06 min

Lab File: BF096986.D

Acq: 24 Jul 2017 12:52

Instrument :

BNA_F

ClientSampleId :

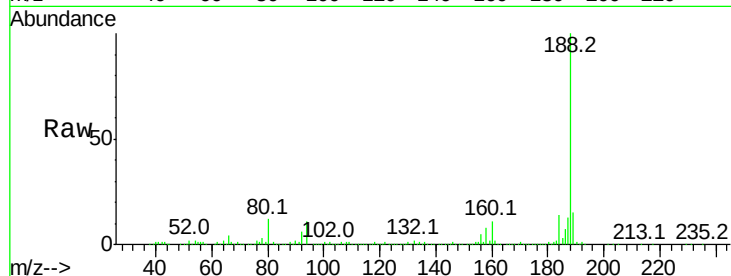
Tot Ion:188 Resp: 369847

Ion Ratio Lower Upper

188 100

94 11.2 9.4 14.2

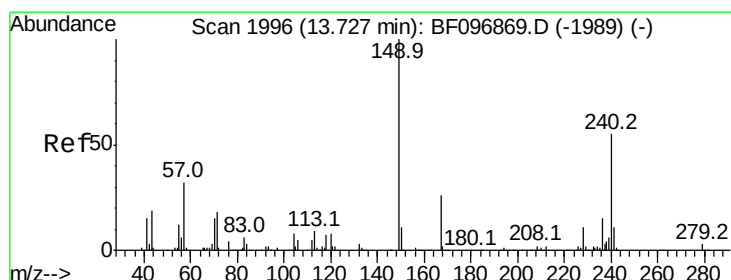
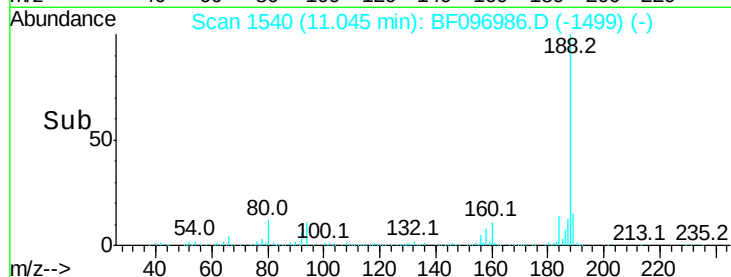
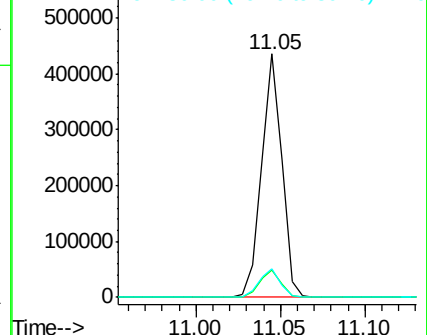
80 11.9 10.2 15.2



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: 20.000 ng

RT: 13.67 min Scan# 1986

Delta R.T. -0.06 min

Lab File: BF096986.D

Acq: 24 Jul 2017 12:52

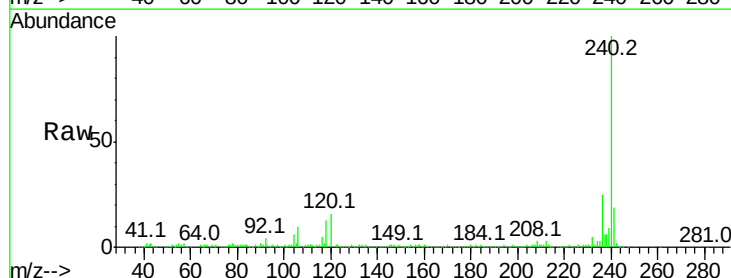
Tgt Ion:240 Resp: 217302

Ion Ratio Lower Upper

240 100

120 16.2 5.8 8.8#

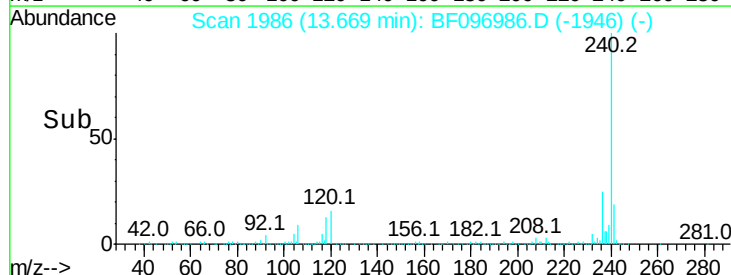
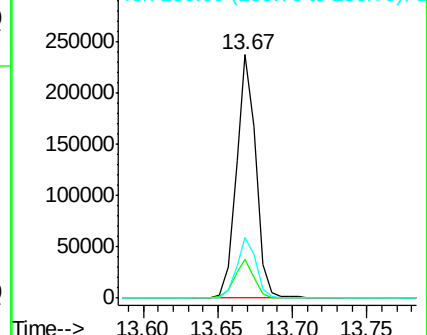
236 24.9 20.5 30.7

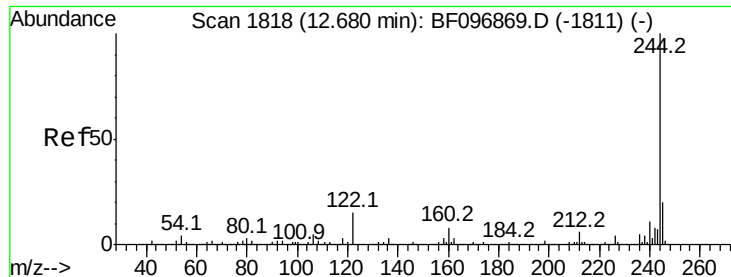


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 10.017 ng

RT: 12.63 min Scan# 1809

Delta R.T. -0.06 min

Lab File: BF096986.D

Acq: 24 Jul 2017 12:52

Instrument :

BNA_F

ClientSampleId :

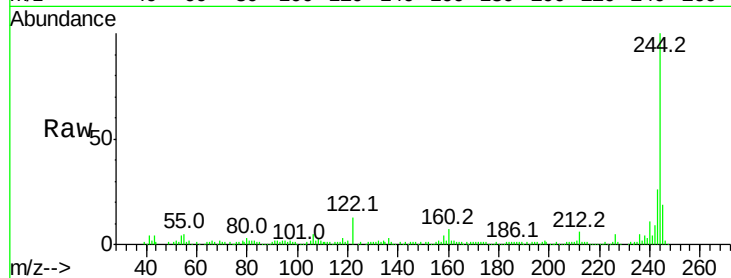
Tot Ion:244 Resp: 125508

Ion Ratio Lower Upper

244 100

212 6.3 6.0 9.0

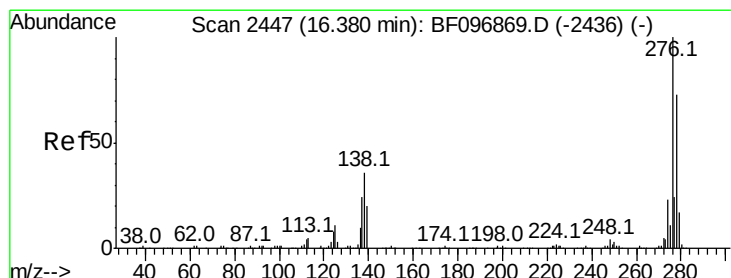
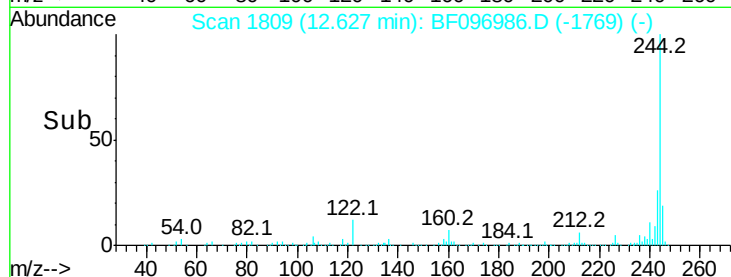
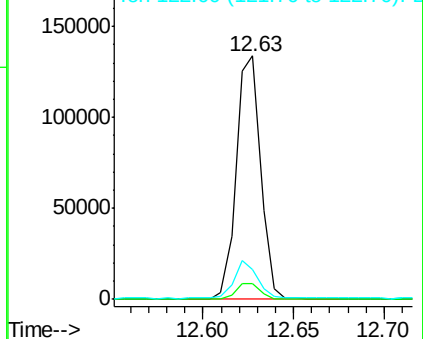
122 12.5 10.3 15.5



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.583 ng

RT: 16.28 min Scan# 2430

Delta R.T. -0.11 min

Lab File: BF096986.D

Acq: 24 Jul 2017 12:52

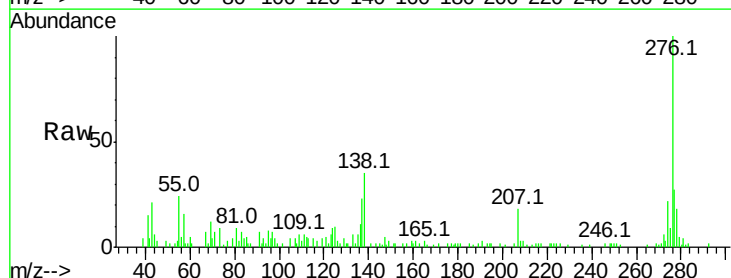
Tgt Ion:276 Resp: 41840

Ion Ratio Lower Upper

276 100

138 35.6 27.8 41.6

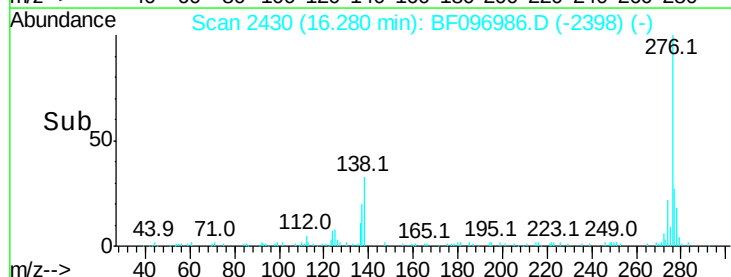
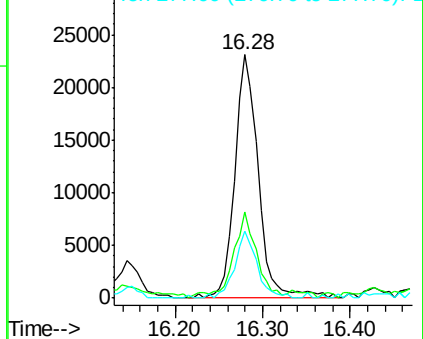
277 25.9 20.2 30.4

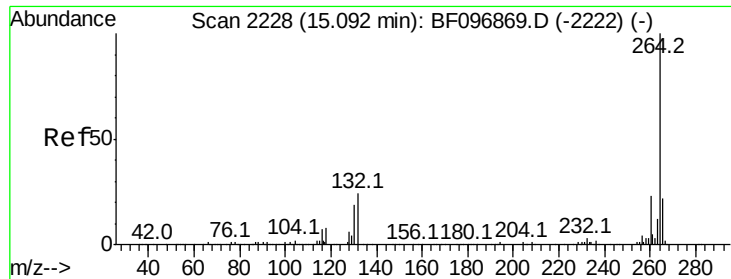


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

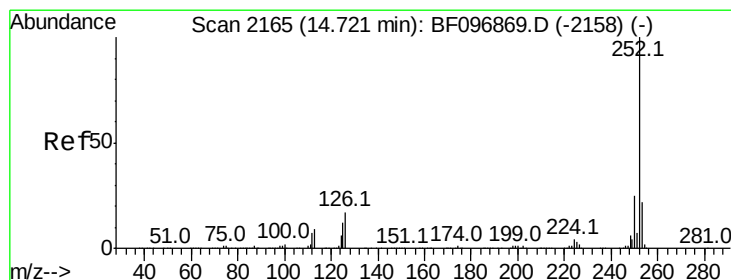
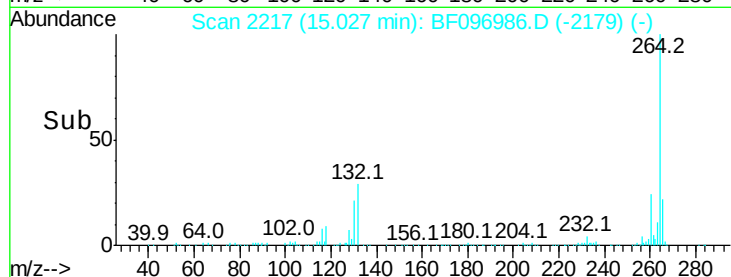
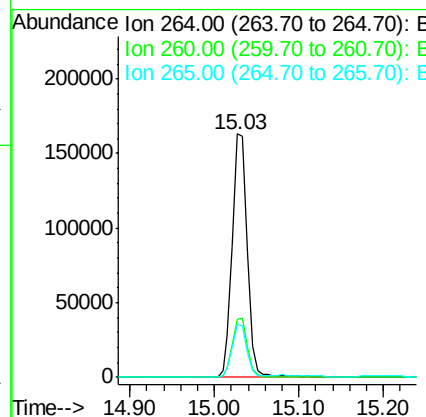
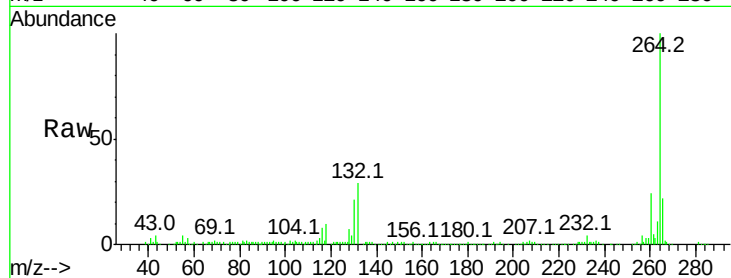




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.03 min Scan# 2217
Delta R.T. -0.08 min
Lab File: BF096986.D
Acq: 24 Jul 2017 12:52

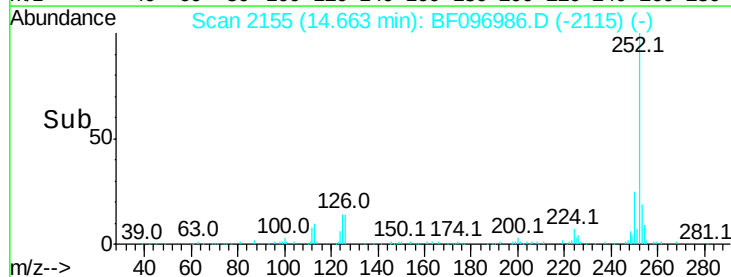
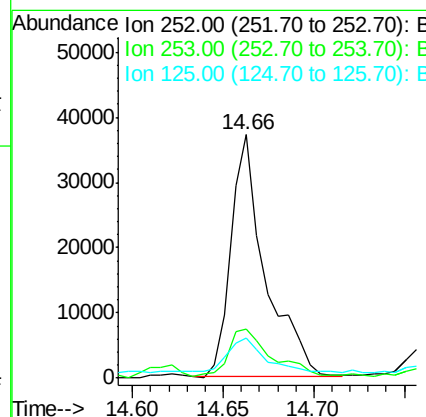
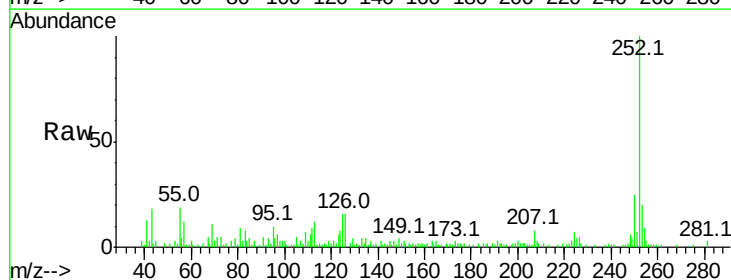
Instrument :
BNA_F
ClientSampleId :

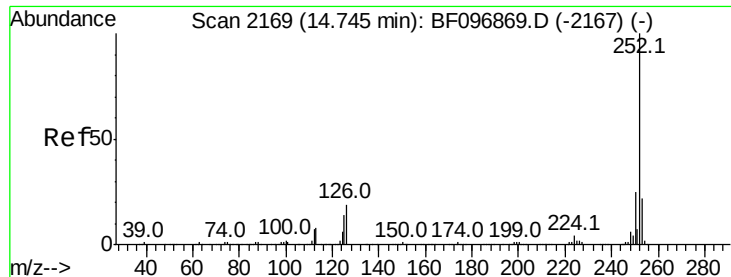
Tot Ion:264 Resp: 201188
Ion Ratio Lower Upper
264 100
260 24.0 19.5 29.3
265 21.9 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 4.028 ng
RT: 14.66 min Scan# 2155
Delta R.T. -0.06 min
Lab File: BF096986.D
Acq: 24 Jul 2017 12:52

Tgt Ion:252 Resp: 48878
Ion Ratio Lower Upper
252 100
253 19.9 18.1 27.1
125 16.2 9.8 14.8#

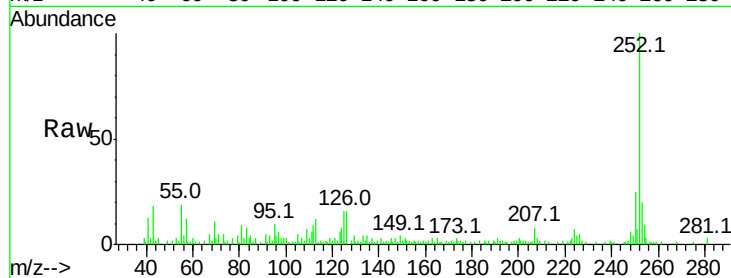




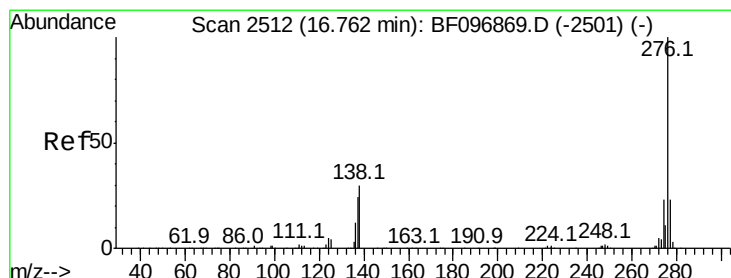
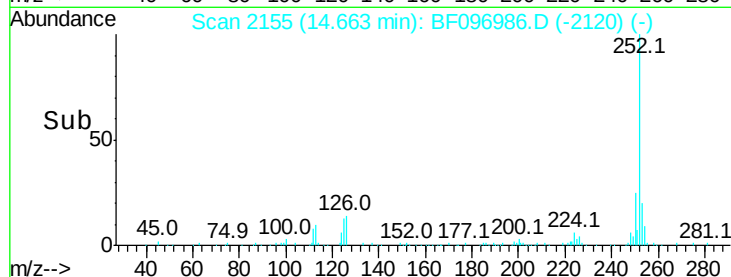
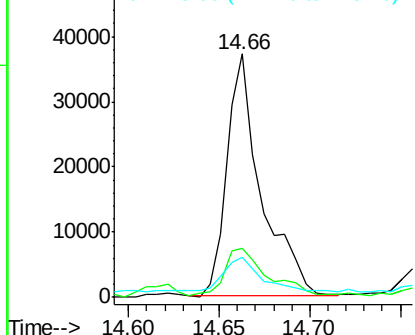
#88
Benzo(k)fluoranthene
Concen: 4.254 ng
RT: 14.66 min Scan# 2155
Delta R.T. -0.09 min
Lab File: BF096986.D
Acq: 24 Jul 2017 12:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	19.9	18.4	27.6
125	16.2	13.1	19.7

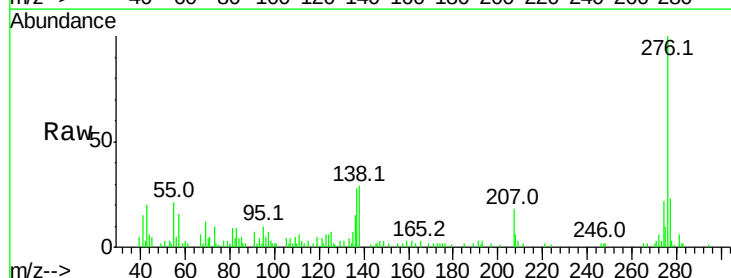


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.980 ng
RT: 16.66 min Scan# 2494
Delta R.T. -0.12 min
Lab File: BF096986.D
Acq: 24 Jul 2017 12:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.6	28.0
138	29.4	25.4	38.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

